



336 Pacific Avenue, Shafter, CA 93263
Meeting Held In-Person and Via Zoom and Livestream on YouTube.

**AGENDA
REGULAR MEETING
SHAFTER CITY COUNCIL
TUESDAY, NOVEMBER 5, 2024**

NOTICE TO THE PUBLIC:

Any documents produced by the City and distributed to a majority of the City Council regarding any item on this agenda will be made available in the City Clerk's Office during normal business hours at City Hall located at 336 Pacific Avenue, Shafter CA. In addition, such documents will be posted on the City's website at www.shafter.com.

CALL TO ORDER: 6:00 PM

ROLL CALL: Mayor Givens
Mayor Pro Tem Prout
Council Member Alvarado
Council Member Espinoza
Council Member Olvera

PLEDGE OF ALLEGIANCE: Council Member Espinoza

INVOCATION: Council Member Olvera

APPROVAL OF AGENDA:

PRESENTATION:

1. Introduction of City Employee: Community Services Supervisor Rebecca Bernal
2. Shafter High Students Drug & Alcohol Prevention Presentation

PUBLIC COMMENT:

Those persons wishing to speak on any item included on the agenda, or on any matter within the subject matter jurisdiction of the City Council, are invited to speak from the podium and address the City Council. Speakers are limited to five minutes unless additional time is needed for translation. Please state your name and address for the record before making your presentation.

COUNCIL ANNOUNCEMENTS AND REPORTS:

On their own initiative, Council Members may make a brief announcement or a brief report on their own activities. Council Members may ask a question for clarification,

make a referral to staff, or take action to have staff place a matter of business on a future agenda. No formal action by the Council will be taken unless an item is identified on the Agenda.

CONSENT CALENDAR:

All items on the consent calendar are considered routine and non-controversial by staff and will be approved by one motion if no member of the Council or public wishes to comment or ask questions. If comment or discussion is desired by anyone, the item will be removed from the consent calendar and will be considered in the listed sequence with an opportunity for any member of the public to address the Council concerning the item before action is taken.

1. Approve General Checks: October 17, 2024, October 24, 2024, October 25, 2024, October 31, 2024.
2. Approve Payroll: October 15, 2024, October 18, 2024.
3. Approve Overtime Report: October 2024.
4. Approve Special Event Permit: Shafter Chamber of Commerce, Avila's Barber Shop Ribbon Cutting, 161 Central Avenue, November 16, 2024.
5. Council find the action is not defined as a "project" per Section 15378(b)(4) of the CEQA Guidelines; accept two (2) bids received for the purchase of a new refrigerated trailer for edible food transportation; and authorize the Deputy Public Works Director to award the purchase of one (1) refrigerated trailer to High Level Enterprises in the amount of \$55,425.
6. Council find the action is not defined as a "project" per Section 15378(b)(5) of the CEQA Guidelines; approve the plans and specifications for the North Park North Shafter Community Park project (#PK00008); and authorize their release for public bidding.
7. Council find that the action is exempt from California Environmental Quality Act; approve the plans and specifications for the Shafter Aquatics Center - Modular Building (#PF00004); and authorize release of said plans and specifications for public bidding.
8. Council find that this action is exempt from the California Environmental Quality Act; approve the plans and specifications for the Police Department Substation Modular Building Project (#PD00001); and authorize the project to be released for public bidding.
9. Council find that the action is not defined as a "project" under CEQA, as defined in Section 15378(b)(5) of the CEQA Guidelines: accept the public improvements completed for the 7th Standard #2 Lane Reconstruction (#ST00032) - Friant Kern Canal to Zachary Ave.; and authorize the deputy public works director to file a notice of completion and acceptance of work for said public improvements.

MANAGEMENT REPORT:

1. **CALIFORNIA MUNICIPAL FINANCE AUTHORITY'S BOND OPPORTUNITIES FOR LAND DEVELOPMENT PROGRAM DISCUSSION:** Council receive and file. This item is for informational purposes only.

ROLL CALL

2. **CIVIC ENGAGEMENT WITH STUDENT COUNCILS:** Council find that the action is not defined as a “project” under Section 15378(b)(5) of the CEQA Guidelines; approve the invitation for student councils from Grow Academy, Richland Junior High, and a subset of Shafter High School (6 students) to meet with City staff, shadow City Council at a meeting, receive City polo shirts, and participate in a trip to Sacramento to meet elected officials and tour the Capitol. Confirm that this expenditure does not constitute a gift of public funds.

ROLL CALL

3. **FOLLOW-UP DISCUSSION ON ANNUAL ALLOCATION OPTIONS FOR COMMUNITY EVENTS FUNDING:** Council find the action is not defined as a “project” per Section 15378(b)(4) of the CEQA Guidelines; that the City Council should review and consider the options for funding community events, providing direction to the management team on the preferred allocation approach.

ROLL CALL

4. **REPORT ON THE AMERICAN RESCUE PLAN ACT FUNDED VETERANS PARK PUBLIC SAFETY CAMERAS AND WIRELESS PROJECT:** Council receive and file. This item is for informational purposes only.

ROLL CALL

5. **RECLASSIFICATION OF DEPARTMENT HEADS TO DIRECTORS AND APPROVAL OF SALARY ADJUSTMENTS:** Council approve the reclassification of the HR and IT Managers to Directors commensurate with the responsibilities of the positions; and approve salary adjustments for HR, IT, and Planning Directors to Range 384 of the Non-Represented/Non-Sworn pay schedule; and authorize a budget amendment for FY 24/25 in the amount of \$44,736 (\$14,912 per department).

ROLL CALL

6. **SALE OF 5.42 ACRES OF SURPLUS PROPERTY (NORTHERN SECTION OF CITY'S OLD CORPORATION YARD):** Council find the action is not defined as a “project” per Section 15378(b)(4) of the CEQA Guidelines; and authorize the City Manager to take all necessary actions to complete the sale of the subject property.

ROLL CALL

CITY MANAGER COMMENTS AND REPORTS:

DEPARTMENT DIRECTOR COMMENTS AND REPORTS:

RECESS:

CLOSED SESSION:

1. **CONFERENCE WITH REAL PROPERTY NEGOTIATORS:** Pursuant to California Government Code, Section 54956.8
Property: Assessor's Parcel Numbers 027-240-02, 027-240-06, 027-240-07, 027-240-15, 027-240-16
Agency Negotiator: Lance Lippincott, City Manager. Negotiating Parties: Andy Russell, Frank Russell Inc. Under Negotiation: Price and Terms.

2. **CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION:** Pursuant to California Government Code, Section 54956.9(a). Name of Case: California Department of Tax and Fee Administration Petitions of the Cities of Alameda, et al (Williams-Sonoma DTC, Inc. Case IDs: 757063, 284-450, 20127075.
3. **CONFERENCE WITH LEGAL COUNSEL – SIGNIFICANT EXPOSURE TO LITIGATION:** Pursuant to California Government Code, Section 54956.9(d)(2)/(e)(1). One Potential Case

ADJOURNMENT:

Pursuant to the Americans with Disabilities Act, if you need special assistance to participate in a City Council Meeting, please contact the City Clerk at (661) 746-5000 at least three (3) days prior to the meeting or time the special services are needed to allow City staff in making reasonable arrangements to provide you with access to the meeting. Any public record, relating to an open session agenda item, that is distributed within 72 hours prior to the meeting is available for public inspection in the City Clerk's Office at Shafter City Hall, 336 Pacific Ave., Shafter, CA 93263. This is to certify that this Agenda notice was posted at City Hall and Police Dept. by 5:00 p.m., November 1, 2024. Yazmina Pallares, S/S, City Clerk

REMOTE PUBLIC PARTICIPATION IS ALLOWED IN THE FOLLOWING WAYS, SEE BELOW FOR INSTRUCTIONS.

1. You are strongly encouraged to observe the City Council meetings live via YouTube <https://www.youtube.com/user/CityofShafter/>
2. If you wish to make a comment on a specific agenda item or public comment, please submit your comment via email by **6:00 PM on November 5, 2024** to the City Clerk at CityClerk@shafter.com
3. If you wish to make a written comment to the City Clerk, 336 Pacific Avenue, Shafter, CA 93263.
4. If you wish to make a comment during the live meeting, callers must first register with the City Clerk at 661-746-5012 before the meeting begins to receive instructions and the call-in number and code. Please call by 5:00pm on the Monday prior to the City Council meeting to allow ample time for sign up. You will need to provide your name, phone number and the item number you wish to address.
5. All public comments are provided to the City Council and applicable Staff, for review and consideration by the Board prior to taking action on any matters listed on the agenda and are incorporated into the official record of the City Council meeting.

City of Shafter A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
15	10/17/2024	EFT	378 AMERICAN REFUSE INC	59732 58149	328256		09/30/2024		101724	101,630.87
Invoice: 328256				101,630.87	5001-40-400-22-00-510114-		REFUSE-HOMES ALLEY/CURBSIDE PICKUP SEPTEMBER 2024	Contract Services		
				59742 58158	327431		10/01/2024		101724	279.49
Invoice: 327431				279.49	5100-50-405-28-90-510706-		336 PACIFIC AVE REFUSE SERVICES	Refuse		
				59773 58189	327430		10/01/2024		101724	262.00
Invoice: 327430				262.00	0100-30-400-25-55-510706-		VETERAN'S HALL - REFUSE SERVICES - OCTOBER 2024	Refuse		
				59776 58192	328065		10/01/2024		101724	519.48
Invoice: 328065				519.48	5100-50-405-28-20-510706-		SHAFTER EQUIPMENT CHARGE - 720 COMMERCE WAY	Refuse		
				59777 58193	327483		10/01/2024		101724	943.24
Invoice: 327483				943.24	5100-50-405-28-20-510706-		ALL PW'S & ENGINEERING REFUSE SERVICES - OCT 2024	Refuse		
				59778 58194	327314		10/01/2024		101724	6,401.22
Invoice: 327314				6,401.22	5001-40-400-22-00-510114-		VARIOUS LOCATIONS - OCTOBER 2024	Contract Services		
				59846 58261	327688		10/01/2024		101724	315.36
Invoice: 327688				315.36	0100-20-200-14-00-510706-		POLICE-Range refuse Oct 24	Refuse		
				59847 58262	327679		10/01/2024		101724	218.46
Invoice: 327679				218.46	0100-20-200-14-00-510706-		POLICE-Refuse Oct 24	Refuse		
								CHECK	15 TOTAL:	110,570.12
16	10/17/2024	EFT	15101 WEX BANK - ACCOUNT 0	59536 57955	NOINV 10/01/24		10/01/2024		101724	42.60
Invoice: NOINV 10/01/24				42.60	0100-20-200-14-00-510302-		POLICE-Fuel #315	vehicle Operations - Fuel		
				59805 58220	NOINV 10/06/24		10/06/2024		101724	57.69
Invoice: NOINV 10/06/24				57.69	0100-20-200-14-00-510302-		POLICE-Fuel # 234	vehicle Operations - Fuel		

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CASH ACCOUNT: 0000-00-000-00-00-100010-					Cash10755				
CHECK NO	CHK DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
DOCUMENT						INVOICE DTL DESC			
				59806 58221	NOINV 10/11/24	10/11/2024		101724	50.00
Invoice: NOINV 10/11/24		50.00	0100-20-200-14-00-510302-			POLICE-Fuel # 234		Vehicle Operations - Fuel	
				59807 58222	NOINV- 10/11/24	10/11/2024		101724	48.39
Invoice: NOINV- 10/11/24		48.39	0100-20-200-14-00-510302-			POLICE-Fuel # 234		Vehicle Operations - Fuel	
				59904 58318	NOINV 10/14/24	10/14/2024		101724	35.73
Invoice: NOINV 10/14/24		35.73	0100-20-200-14-00-510302-FENT			POLICE-Fuel #315		Vehicle Operations - Fuel	
				59906 58320	10/06/2024	10/06/2024		101724	75.00
Invoice: 10/06/2024		75.00	0100-20-200-14-00-510302-			FINANCE CHARGE		Vehicle Operations - Fuel	
				59907 58321	NOINV 10/03/24	10/03/2024		101724	30.47
Invoice: NOINV 10/03/24		30.47	0100-20-200-14-00-510302-			POLICE-Fuel #323		Vehicle Operations - Fuel	
				59908 58322	NOINV 10/10/24	10/10/2024		101724	33.47
Invoice: NOINV 10/10/24		33.47	0100-20-200-14-00-510302-			POLICE-Fuel #323		Vehicle Operations - Fuel	
						CHECK		16 TOTAL:	373.35
1542 09/20/2024 WIRE		17	INTERNAL REVENUE SER	59832 58247	9/20/2024	09/20/2024		101724	-.08
Invoice: 9/20/2024						warrant 092024 FICA		FICA Tax Payable	
								Medicare Tax Payable	
						CHECK		1542 TOTAL:	-.08
1021354 10/17/2024 PRTD		193	ABC HEALTH PROFESSIO	59751 58167	EM019673	09/19/2024		101724	205.00
Invoice: EM019673						DOT Exam Physicals - Initial and Recerts for PW		Professional Services	
								Professional Services	
						CHECK		1021354 TOTAL:	205.00

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC		
				59874 58288	IVNX-HWXX-KHTG	10/14/2024		101724	17.31
Invoice: IVNX-HWXX-KHTG									
	17.31	0100-20-200-14-00-510001-					POLICE-iPhone charges		
							Departmental Supplies		
				59875 58289	171F-9M9N-HTW3	10/14/2024		101724	152.24
Invoice: 171F-9M9N-HTW3									
	152.24	0100-20-200-14-00-510001-					POLICE-Departmental supplies		
							Departmental Supplies		
				59890 58304	14PV-3GVL-GTRX	10/10/2024		101724	95.04
Invoice: 14PV-3GVL-GTRX									
	95.04	0100-40-400-18-00-510001-					ENGINEERING - DEPARTMENT SUPPLIES		
							Departmental Supplies		
				59902 58316	1KHM-NVVH-6WYR	10/16/2024		101724	57.80
Invoice: 1KHM-NVVH-6WYR									
	57.80	0100-10-135-09-00-510000-					HR Office Supplies		
							Office Supplies		
							CHECK	1021357 TOTAL:	858.38
1021358	10/17/2024	PRTD	13236	AMBER CHEMICAL INC	59771 58187	0383147-IN	10/08/2024	101724	1,673.10
Invoice: 0383147-IN									
	1,673.10	5000-40-400-21-00-510900-					WASTE WATER - AMER QUEST, TOTE		
							Treatment Supplies		
				59772 58188	0383107-IN	10/08/2024		101724	2,953.67
Invoice: 0383107-IN									
	2,953.67	5002-40-400-20-00-510900-					WATER - WATER CHEMICALS- HYPOCHLORITE		
							Treatment Supplies		
							CHECK	1021358 TOTAL:	4,626.77
1021359	10/17/2024	PRTD	1184	AMERICAN BIKE PATROL	59876 58290	144714	10/14/2024	101724	1,947.00
Invoice: 144714									
	1,947.00	0100-20-200-14-00-510501-FENT					POLICE-EBike patrol training		
							Training		
							CHECK	1021359 TOTAL:	1,947.00
1021360	10/17/2024	PRTD	356	ALI & OBAID MARKETIN	59315 57737	166-09-20-2024	09/20/2024	101724	36.81
Invoice: 166-09-20-2024									
	36.81	0100-10-140-10-00-510001-					Finance Drinking water		
							Departmental Supplies		
							CHECK	1021360 TOTAL:	36.81

City of Shafter

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
1021361	10/17/2024	PRTD	3	AT&T	59985 58397	10760CT24	10/04/2024		101724	31.57
Invoice: 10760CT24				31.57	5002-40-400-20-00-510701-		PHONE CHARGES 238 841-1076 338 Communications			
					59986 58398	10770CT24	10/04/2024		101724	31.57
Invoice: 10770CT24				31.57	5002-40-400-20-00-510707-		PHONE CHARGES 238 841-1077 343 Power			
					59987 58399	32280CT24	10/04/2024		101724	33.49
Invoice: 32280CT24				33.49	5002-40-400-20-00-510701-		PHONE CHARGES 960 739-3228 555 Communications			
					59988 58400	30910CT24	10/04/2024		101724	391.42
Invoice: 30910CT24				391.42	0100-30-400-25-52-510701-		PHONE CHARGES 661 746-3091 995 Communications			
					59989 58401	10790CT24	10/04/2024		101724	31.57
Invoice: 10790CT24				31.57	5002-40-400-20-00-510701-		PHONE CHARGES 238 841-1079 338 Communications			
				CHECK 1021361 TOTAL:						519.62
1021362	10/17/2024	PRTD	12466	AT&T CALNET 3	59984 58396	9391012257 SEPT 24	09/30/2024		101724	30.94
Invoice: 9391012257 SEPT 24				30.94	5002-40-400-20-00-510701-		PHONE CHARGES Communications			
				CHECK 1021362 TOTAL:						30.94
1021363	10/17/2024	PRTD	97	BEST BEST & KRIEGER	59929 58342	1008523	09/30/2024		101724	2,230.20
Invoice: 1008523				2,230.20	0100-10-130-08-00-510420-		LEGAL SERVICES THROUGH SEPTEMBER 30, 2024 Legal Services			
					59930 58343	1008520	09/30/2024		101724	18,348.14
Invoice: 1008520				18,348.14	0100-10-130-08-00-510420-		RETAINER LEGAL SERVICES THROUGH SEPTEMBER 30, 2024 Legal Services			
					59932 58344	1008522	09/30/2024		101724	10,152.46
Invoice: 1008522				10,152.46	0100-10-130-08-00-510420-		LEGAL SERVICES THROUGH SEPTEMBER 30, 2024 Legal Services			

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
						CHECK	1021363	TOTAL:	30,730.80	
1021364	10/17/2024	PRTD	4537	BOLLES NURSERY	59814 89011 58229	10/11/2024	101724	259.80		
Invoice: 89011				259.80	0100-30-400-25-51-500200-	PARKS - DOWNTOWN - CONE PRIUET/CACOPA/HESPERELLA		Temporary Wages		
						CHECK	1021364	TOTAL:	259.80	
1021365	10/17/2024	PRTD	427	BRAXBRO, INC.	59815 1467 58230	10/07/2024	101724	1,634.75		
Invoice: 1467				1,634.75	E WW00007 -50 -525 5000-60-400-21-00-580300-	WASTE WATER - MARK ST/FRESNO LIFT STATION -		Capital Prj.- Other Imp.		
						CHECK	1021365	TOTAL:	1,634.75	
1021366	10/17/2024	PRTD	660	CALTRANS	59882 25001779 58296	10/09/2024	101724	2,807.18		
Invoice: 25001779				2,807.18	E ST00029 -20 -200 0200-60-400-19-02-580100-	ROUNDAABOUT SANATA FE WAY/LOS ANGELES - PHASE #1		Capital Prj.- Infrastructure		
						CHECK	1021366	TOTAL:	2,807.18	
1021367	10/17/2024	PRTD	14425	CARLOS QUEZADA	59809 078375 58224	09/27/2024	101724	80.00		
Invoice: 078375				80.00	0100-30-300-04-00-510300-	LEARNING CENTER - BUS WASH		Vehicle Operations		
						09/27/2024	101724	60.00		
Invoice: 078371				30.00	0100-40-400-19-02-510300-	STREETS/WATER - FLEET WASHES #219 & #119		Vehicle Operations		
				30.00	5002-40-400-20-00-510300-			Vehicle Operations		
						09/27/2024	101724	150.00		
Invoice: 078373				150.00	0100-40-400-18-00-510300-	ENGINEERING - FLEET WASHES		Vehicle Operations		
						10/04/2024	101724	895.00		
Invoice: 2024-10-04				895.00	0100-20-200-14-00-510300-	POLICE-Fleet washes		Vehicle Operations		

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
						CHECK	1021367	TOTAL:	1,185.00	
1021368	10/17/2024	PRTD	1243 CHAVEZ, IDELFONSO JR	58827	57253		09/12/2024		101724	83.69
Invoice: 57253				83.69	5002-00-000-00-00-205300-	UB 113331	310	LOS ANGELES DEPOSIT REFUND Customer Deposits		
						CHECK	1021368	TOTAL:	83.69	
1021369	10/17/2024	PRTD	882 DEIDRA ELIZABETH MET	59936	2215332		10/12/2024		101724	1,990.00
Invoice: 2215332				1,990.00	0100-20-200-55-00-510111-	Spay Neuter Services				
				59937	000018		10/01/2024		101724	1,250.00
Invoice: 000018				1,250.00	0100-20-200-55-00-510106-	October 2024 Veterinary Premise Maintenance Subscriptions & Dues				
						CHECK	1021369	TOTAL:	3,240.00	
1021370	10/17/2024	PRTD	12000 DIVISION OF THE ST A	59969	07/24-09/24		09/30/2024		101724	378.30
Invoice: 07/24-09/24				378.30	0100-00-000-00-00-205310-	DSA786 QUARTERLY REPORT (\$1) ST Business Licen Fee Deposits				
						CHECK	1021370	TOTAL:	378.30	
1021371	10/17/2024	PRTD	14458 EMTS INC	59713	10204923		09/30/2024		101724	13,886.00
Invoice: 10204923				13,886.00	0808-40-400-19-04-510110-	PARKS - GOSSAMER GROVE - SERVICE MAIN - SEPT 2024 Landscaping Services				
						CHECK	1021371	TOTAL:	13,886.00	
1021372	10/17/2024	PRTD	151 ENTENMANN-ROVIN COMP	59848	0183825-IN		10/03/2024		101724	138.41
Invoice: 0183825-IN				138.41	0100-20-200-14-00-510001-	POLICE-Honor Guard cap piece Departmental Supplies				
						CHECK	1021372	TOTAL:	138.41	
1021373	10/17/2024	PRTD	14044 FASTENAL COMPANY	59909	CABAE28534		10/14/2024	20250036	101724	88.44
Invoice: CABAE28534				17.68	0100-40-400-19-02-510000-	ALL PW'S - VENDING MACHINE SUPPLIES Office Supplies				

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CASH ACCOUNT: 0000-00-000-00-00-100010-					Cash10755					
CHECK NO	CHK	DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
DOCUMENT							INVOICE DTL DESC			
				17.69	0100-30-400-25-00-510001-				Departmental Supplies	
				17.69	5000-40-400-21-00-510001-				Departmental Supplies	
				17.69	5002-40-400-20-00-510000-				Office Supplies	
				17.69	5101-50-400-24-00-510001-				Departmental Supplies	
							CHECK	1021373	TOTAL:	88.44
1021374	10/17/2024	PRTD	5903	FERGUSON ENTERPRISES	59769	5449366	09/27/2024		101724	67.09
					58185					
				Invoice: 5449366						
				67.09	0100-30-400-25-37-510200-					
							CHECK	1021374	TOTAL:	67.09
1021375	10/17/2024	PRTD	12171	FGL ENVIRONMENTAL	59919	447790A	10/11/2024		101724	1,145.00
					58332					
				Invoice: 447790A						
				1,145.00	5002-40-400-20-00-510905-					
					59920	447791A	10/11/2024		101724	230.00
					58333					
				Invoice: 447791A						
				230.00	5002-40-400-20-00-510905-					
					59921	447793A	10/11/2024		101724	155.00
					58334					
				Invoice: 447793A						
				155.00	5002-40-400-20-00-510905-					
					59922	447794A	10/11/2024		101724	37.00
					58335					
				Invoice: 447794A						
				37.00	5002-40-400-20-00-510905-					
					59923	447797A	10/11/2024		101724	389.00
					58336					
				Invoice: 447797A						
				389.00	5002-40-400-20-00-510905-					
					59924	448040A	10/11/2024		101724	155.00
					58337					
				Invoice: 448040A						
				155.00	5002-40-400-20-00-510905-					
					59925	448041A	10/11/2024		101724	155.00
					58338					
				Invoice: 448041A						
				155.00	5002-40-400-20-00-510905-					
					59926	448042A	10/11/2024		101724	230.00

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
Invoice: 448042A				58339						
	230.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
				59927	448043A					
				58340		10/11/2024		101724		155.00
Invoice: 448043A										
	155.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
				59928	448045A					
				58341		10/11/2024		101724		69.00
Invoice: 448045A										
	69.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						CHECK	1021375	TOTAL:		2,720.00
1021376	10/17/2024	PRTD	14647	FINISHLINE SIGNS	59873	14584	10/11/2024		101724	772.13
					58287					
Invoice: 14584										
	772.13	0100-20-200-14-00-510300-				POLICE-New graphics unit #247				
						Vehicle Operations				
						CHECK	1021376	TOTAL:		772.13
1021377	10/17/2024	PRTD	1276	THE ARTCRAFT GROUP,	59878	730876	10/14/2024		101724	674.85
					58292					
Invoice: 730876										
	674.85	0100-20-200-14-00-510001-				POLICE-Community event prizes				
						Departmental Supplies				
						CHECK	1021377	TOTAL:		674.85
1021378	10/17/2024	PRTD	148	GHA TECHNOLOGIES INC	59945	11426294	09/30/2024	20250071	101724	328.23
					58357					
Invoice: 11426294										
	328.23	5103-50-500-29-00-510155-				Juniper MIST Wireless Subscription - Animal Contro				
						IT Subscription				
					59947	11426283	09/30/2024	20250072	101724	1,141.56
					58359					
Invoice: 11426283										
	1,141.56	5103-50-500-29-00-510155-				Juniper MIST Wireless Subscription - City Hall				
						IT Subscription				
					59958	11428357	10/08/2024	20250082	101724	113,860.29
					58370					
Invoice: 11428357										
	113,860.29					Server Upgrade/Nutanix Hardware - Project IT0005				
					E IT00005	-30	-550	-5103		
					5103-60-500-29-00-570200-					
						Machinery & Equipment				

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL	DESC		
						CHECK	1021378	TOTAL:	115,330.08
1021379	10/17/2024	PRTD	939 GIOVANNI PEREZ	59750 58166	125NOINV10112024	10/11/2024		101724	159.75
Invoice: 125NOINV10112024				159.75	0100-10-125-06-00-510501-	Per Diem - CALED Keys Course Training			
						CHECK	1021379	TOTAL:	159.75
1021380	10/17/2024	PRTD	909 GRANICUS LLC	59774 58190	191821	10/14/2024		101724	2,375.00
Invoice: 191821				2,375.00	0100-10-405-26-00-510150-	LMS General Config Software Subscription			
						CHECK	1021380	TOTAL:	2,375.00
1021381	10/17/2024	PRTD	14666 HD SUPPLY CONSTRUCTI	59770 58186	10020589137	09/25/2024		101724	37.88
Invoice: 10020589137				37.88	0100-40-400-19-02-510200-	STREETS - SDS PLUS REBAR CUTTER BOSCH Repairs & Maintenance			
						CHECK	1021381	TOTAL:	37.88
1021382	10/17/2024	PRTD	15464 HECTOR'S PLUMBING	59884 58298	23-1757	10/11/2024		101724	280.00
Invoice: 23-1757				280.00	0100-30-400-25-32-510200-	PARK - KIRCHENMANN - REPAIR SEWER SMELL Repairs & Maintenance			
				59885 58299	23-1758	10/11/2024		101724	150.00
Invoice: 23-1758				150.00	5002-40-400-20-00-510200-	WATER - 356 RODRIGUEZ - REPAIR CLOG Repairs & Maintenance			
				59886 58300	23-1755	10/11/2024		101724	400.00
Invoice: 23-1755				400.00	0100-30-400-25-37-510205-	PARKS - STRINGHAM - UNCLOG SEWER Building Repair & Maintenance			
						CHECK	1021382	TOTAL:	830.00
1021383	10/17/2024	PRTD	1444 HILLCREST SHEET META	59887 58301	960022073	10/14/2024		101724	396.31
Invoice: 960022073				396.31	5100-50-405-28-90-510205-	CITY HALL - REPAIR COUNCIL CHAMBER A/C Building Repair & Maintenance			

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
						CHECK	1021383	TOTAL:	396.31	
1021384	10/17/2024	PRTD	2	HITCHCOCK'S AUTO PAR	59707 7446-408951	10/01/2024		101724		29.02
Invoice: 7446-408951				58124		POLICE #183 - OIL 5W20/OIL FILTER				
				29.02	0100-20-200-14-00-510300-	Vehicle Operations				
				59708 7446-408953		10/01/2024		101724		29.02
Invoice: 7446-408953				58125		POLICE #233 - OIL FILTER/OIL 5W20				
				29.02	0100-20-200-14-00-510300-	Vehicle Operations				
				59830 7446-409447		10/09/2024		101724		80.77
Invoice: 7446-409447				58245		STREETS #318 - LUBE SPIN-ON/15W40/PANEL AIR ELEMEN				
				80.77	0100-40-400-19-02-510300-	Vehicle Operations				
				59831 7446-409444		10/09/2024		101724		18.04
Invoice: 7446-409444				58246		STREETS EQ - 8oz SMART STRAW/TAP				
				18.04	0100-40-400-19-02-510204-	Equipment Repair				
				59833 7446-409449		10/09/2024		101724		23.41
Invoice: 7446-409449				58248		SHOP - SKT 3/8RD				
				23.41	5101-50-400-24-00-510300-	Vehicle Operations				
				59834 7446-409498		10/09/2024		101724		65.33
Invoice: 7446-409498				58249		WATER #315 - OIL FILTER/5W30 DEXOSL/AIR FILTER				
				65.33	5002-40-400-20-00-510300-	Vehicle Operations				
				59835 7446-409500		10/09/2024		101724		17.22
Invoice: 7446-409500				58250		WATER #315 - CABIN AIR FILTER				
				17.22	5002-40-400-20-00-510300-	Vehicle Operations				
				59836 7446-409417		10/08/2024		101724		764.24
Invoice: 7446-409417				58251		WATER #315 - BRAKE PADS/ROTORS				
				764.24	5002-40-400-20-00-510300-	Vehicle Operations				
				59838 7446-409603		10/11/2024		101724		62.70
Invoice: 7446-409603				58253		STREETS #700 - BATTERY				
				62.70	0100-40-400-19-02-510300-	Vehicle Operations				
				59839 7446-409626		10/11/2024		101724		148.99
Invoice: 7446-409626				58254		STREETS #701 - AMG BATTERY				
				148.99	0100-40-400-19-02-510300-	Vehicle Operations				

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
				59840	7446-409605		10/11/2024		101724	85.78
				58255						
Invoice: 7446-409605				85.78	0100-40-400-19-02-510300-					
				59842	7446-409604		10/11/2024		101724	15.82
				58257						
Invoice: 7446-409604				15.82	5101-50-400-24-00-510300-					
				59843	7446-409524		10/10/2024		101724	9.42
				58258						
Invoice: 7446-409524				9.42	5101-50-400-24-00-510300-					
				59844	7446-409523		10/10/2024		101724	33.46
				58259						
Invoice: 7446-409523				33.46	5101-50-400-24-00-510300-					
				59845	7446-409502		10/09/2024		101724	29.15
				58260						
Invoice: 7446-409502				29.15	5100-50-405-28-00-510300-					
				59900	7446-409214		10/04/2024		101724	44.64
				58314						
Invoice: 7446-409214				44.64	5002-40-400-20-00-510001-					
				59901	7446-409403		10/08/2024		101724	67.57
				58315						
Invoice: 7446-409403				67.57	0100-40-400-19-02-510300-					
						CHECK	1021384	TOTAL:		1,524.58
1021385	10/17/2024	PRTD	13927	IBM CORPORATION	59939	4493162	09/28/2024		101724	44.00
					58353					
Invoice: 4493162				44.00	5103-50-500-29-00-510150-					
						CHECK	1021385	TOTAL:		44.00
1021386	10/17/2024	PRTD	1014	INDEPENDENT FIRE & S	59761	68466	10/02/2024		101724	169.50
					58177					
Invoice: 68466				169.50	0100-30-400-25-55-510200-					
						VETERANS HALL - ANNUAL MAINT SERVICE FIRE EXTG				
						Repairs & Maintenance				

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CASH ACCOUNT: 0000-00-000-00-00-100010-					Cash10755					
CHECK NO	CHK	DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
DOCUMENT							INVOICE DTL DESC			
							CHECK	1021386	TOTAL:	169.50
1021387	10/17/2024	PRTD	10148	INFOSEND INC	59694	272526	09/30/2024		101724	3,554.91
Invoice: 272526					58111		UTILITY BILL, DELINQUENT NOTICE PROCESSING			
					888.73	5000-40-400-21-00-510400-	Professional Services			
					888.73	5001-40-400-22-00-510400-	Professional Services			
					1,777.45	5002-40-400-20-00-510400-	Professional Services			
							CHECK	1021387	TOTAL:	3,554.91
1021388	10/17/2024	PRTD	1366	JEFFRIES BROS., INC	59918	159019	10/11/2024		101724	152.75
Invoice: 159019					58331		STREETS - EXPRESS OIL SERVICE			
					152.75	0100-40-400-19-02-510300-	Vehicle Operations			
							CHECK	1021388	TOTAL:	152.75
1021389	10/17/2024	PRTD	109	JIM BURKE FORD	59870	1591706	10/10/2024		101724	515.05
Invoice: 1591706					58284		POLICE-wheel covers #240			
					515.05	0100-20-200-14-00-510300-	Vehicle Operations			
							CHECK	1021389	TOTAL:	515.05
1021390	10/17/2024	PRTD	15145	JTS CONSTRUCTION	59767	8-1360	09/30/2024		101724	74,694.65
Invoice: 8-1360					58183		SHAFTER AQUATIC CENTER IMPROVEMENT - PMT #8			
					9,336.83					
						E PF00002 -50 -525	-0100	Capital Prj.- Buildings & Imp.		
						0100-60-400-25-52-580200-				
					65,357.82		-0308	Capital Prj.- Buildings & Imp.		
						E PF00002 -50 -525				
						0308-60-400-25-52-580200-				
							CHECK	1021390	TOTAL:	74,694.65
1021391	10/17/2024	PRTD	1272	KC CARPET & TILE CLE	59883	0449	10/11/2024		101724	335.00
Invoice: 0449					58297		LEARNING CENTER - RESTROOM CLEANING			
					335.00	5100-50-405-28-50-510205-	Building Repair & Maintenance			
							CHECK	1021391	TOTAL:	335.00

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						Cash10755				
						INV DATE	PO	WARRANT	NET	
						DOCUMENT	INVOICE	DTL	DESC	
1021392	10/17/2024	PRTD	1008	KENNETH GREENE	59752 58168	BOOTS FY 24/25	10/10/2024	101724	200.78	
Invoice: BOOTS FY 24/25						200.78 5100-50-405-28-00-500502-	Boots Reimbursement FY 24/25 Uniform & Equipment Allowance			
						CHECK 1021392 TOTAL:				200.78
1021393	10/17/2024	PRTD	12379	KERN PRINT SERVICES	59881 58295	53329	09/24/2024	101724	67.39	
Invoice: 53329						67.39 5002-40-400-20-00-510001-	BUSINESS CARDS - M TORRES Departmental Supplies			
						CHECK 1021393 TOTAL:				67.39
1021394	10/17/2024	PRTD	797	KOSMONT & ASSOCIATES	59808 58223	2306.15-016	09/30/2024	101724	600.60	
Invoice: 2306.15-016						600.60 0100-10-125-06-00-510400-	2306.15 - Retail & Hotel Advisory Service Professional Services			
						CHECK 1021394 TOTAL:				600.60
1021395	10/17/2024	PRTD	653	KSI ENGINEERING, INC	59765 58181	111418	10/10/2024	101724	1,250.00	
Invoice: 111418						1,250.00 0100-40-400-18-00-510401-	Legal Exhibits for Surplus Land Parcels at New Cor Engineering Services			
						CHECK 1021395 TOTAL:				1,250.00
1021396	10/17/2024	PRTD	15065	LAMONT FENCE COMPANY	59760 58176	14563	09/27/2024	20250085 101724	4,160.00	
Invoice: 14563						4,160.00 0100-40-400-19-02-510200-	STREETS - FANUCCHI SUMP - FENCE REPAIR Repairs & Maintenance			
						CHECK 1021396 TOTAL:				4,160.00
1021397	10/17/2024	PRTD	1273	LEADSONLINE PARENT,	59877 58291	413047	07/25/2024	20250094 101724	5,550.00	
Invoice: 413047						5,550.00 0100-20-200-14-00-510150-	POLICE-CellHawk Subscription Software Subscription			
						CHECK 1021397 TOTAL:				5,550.00
1021398	10/17/2024	PRTD	1024	INTERVET INC	59931 58345	243059296	09/24/2024	101724	1,858.44	
Invoice: 243059296						flea/tick treatment				

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL		DESC	
				1,858.44	0100-20-200-55-00-510012-			Medical Supplies	
							CHECK	1021398 TOTAL:	1,858.44
1021399	10/17/2024	PRTD	9992 O'REILLY AUTOMOTIVE	59856 58271	2947-375498	10/09/2024		101724	7.50
			Invoice: 2947-375498						
				7.50	5101-50-400-24-00-510202-			SHOP - REMOVAL TOOL Hardware & Tools	
				59857 58272	2947-375420	10/08/2024		101724	417.13
			Invoice: 2947-375420						
				417.13	5002-40-400-20-00-510300-			WATER #117 - BRAKE PADS/BRAKE ROTOR Vehicle Operations	
				59859 58274	2947-375426	10/08/2024		101724	58.98
			Invoice: 2947-375426						
				58.98	0100-30-400-25-00-510300-			PARK #315 - TOWING Vehicle Operations	
				59861 58276	2947-375425	10/08/2024		101724	44.92
			Invoice: 2947-375425						
				44.92	5101-50-400-24-00-510300-			SHOP - 14oz BRAKE CLN Vehicle Operations	
				59864 58278	2947-375424	10/08/2024		101724	12.86
			Invoice: 2947-375424						
				12.86	5101-50-400-24-00-510300-			SHOP - EXTENSION Vehicle Operations	
				59865 58279	2947-375423	10/08/2024		101724	19.29
			Invoice: 2947-375423						
				19.29	5101-50-400-24-00-510202-			SHOP - PLIERS Hardware & Tools	
				59866 58280	2947-375645	10/10/2024		101724	4.82
			Invoice: 2947-375645						
				4.82	5101-50-400-24-00-510300-			SHOP - TING TERMINL Vehicle Operations	
				59867 58281	2947-375644	10/10/2024		101724	11.79
			Invoice: 2947-375644						
				11.79	5002-40-400-20-00-510300-			WATER #315 - WSHR FLD SCAP Vehicle Operations	
				59868 58282	2947-375702	10/10/2024		101724	11.79
			Invoice: 2947-375702						
				11.79	5101-50-400-24-00-510202-			SHOP - WRENCH Hardware & Tools	
				59869 58283	2947-375778	10/11/2024		101724	30.02

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE DTL	DESC				
Invoice: 2947-375778				30.02	5101-50-400-24-00-510202-	SHOP - SOCKET SET				
						Hardware & Tools				
				59879	2947-375777	10/11/2024	101724			68.26
				58293						
Invoice: 2947-375777				68.26	5101-50-400-24-00-510300-	SHOP - PRY BAR/WIRE/RING TERMINL/PLIERS				
						Vehicle Operations				
						CHECK	1021399	TOTAL:		687.36
1021400	10/17/2024	PRTD	21	OFFICE DEPOT BUSINES	59816	390882930001	10/09/2024	101724		34.18
Invoice: 390882930001					58231					
				17.09	0100-40-400-18-00-510000-	ENGINEERING/IT - OFFICE SUPPLIES				
				17.09	5103-50-500-29-00-510000-	Office Supplies				
						Office Supplies				
				59817	390883449001	10/11/2024	101724			143.07
				58232						
Invoice: 390883449001				71.53	0100-40-400-18-00-510000-	ENGINEERING/IT - OFFICE SUPPLIES				
				71.54	5103-50-500-29-00-510000-	Office Supplies				
						Office Supplies				
				59860	390181030001	10/10/2024	101724			1,903.64
				58275						
Invoice: 390181030001				1,903.64	0100-20-200-14-00-510000-	POLICE-Office supplies				
						Office Supplies				
				59863	390318338001	10/10/2024	101724			15.82
				58277						
Invoice: 390318338001				15.82	0100-20-200-14-00-510000-	POLICE-Office supplies				
						Office Supplies				
						CHECK	1021400	TOTAL:		2,096.71
1021401	10/17/2024	PRTD	14271	OILDALE MUTUAL WATER	59779	NOINV - 09.26.2024	09/26/2024	101724		755.75
					58195					
Invoice: NOINV - 09.26.2024				755.75	0808-40-400-19-04-510704-	WATER - ACCT #028320 - 3411 COMMUNITY DR - LNDSCP				
						Water				
				59780	NOINV - 09.25.2024	09/26/2024	101724			497.75
				58196						
Invoice: NOINV - 09.25.2024				497.75	0808-40-400-19-04-510704-	WATER - ACCT #028567 - 3410 GOSSAMER/COTTON				
						Water				
				59781	NOINV - 09.24.2024	09/26/2024	101724			1,972.05
				58197						
Invoice: NOINV - 09.24.2024				1,972.05	0808-40-400-19-04-510704-	WATER - ACCT #029756 - 3590 SOARING HEIGHTS WAY				
						Water				
				59782	NOINV - 09.23.2024	09/26/2024	101724			398.15

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
Invoice: NOINV - 09.23.2024				58198						
	398.15	0808-40-400-19-04-510704-				WATER - ACCT #016937 - 9350 7TH STANDARD - LANDSC				
				59784	NOINV - 09.22.2024	09/26/2024			101724	549.35
				58200						
Invoice: NOINV - 09.22.2024						WATER - ACCT #028745 - 3701 GREENWAY RANCH LN				
	549.35	0808-40-400-19-04-510704-				Water				
				59785	NOINV - 09.21.2024	09/26/2024			101724	491.05
				58201						
Invoice: NOINV - 09.21.2024						WATER - ACCT #027676 - 3580 COMMUNITY DR - LANDSC				
	491.05	0808-40-400-19-04-510704-				Water				
				59786	NOINV - 09.20.2024	09/26/2024			101724	1,283.75
				58202						
Invoice: NOINV - 09.20.2024						WATER - ACCT #022109 - 3801 GREEN OAKS WAY LANDSC				
	1,283.75	0808-40-400-19-04-510704-				Water				
				59787	NOINV - 09.19.2024	09/26/2024			101724	493.45
				58203						
Invoice: NOINV - 09.19.2024						WATER - ACCT #027652 - 9600 AMBERDALE WAY - PK				
	493.45	0808-40-400-19-04-510704-				Water				
				59788	NOINV - 09.18.2024	09/26/2024			101724	95.05
				58204						
Invoice: NOINV - 09.18.2024						WATER - ACCT #027677 - 9630 COBBLE CREEK DR				
	95.05	0808-40-400-19-04-510704-				Water				
				59789	NOINV - 09.17.2024	09/26/2024			101724	35.50
				58205						
Invoice: NOINV - 09.17.2024						WATER - ACCT #022110 - 3801 GREEN OAKS WAY LANDSC				
	35.50	0808-40-400-19-04-510704-				Water				
				59790	NOINV - 09.16.2024	09/26/2024			101724	168.95
				58206						
Invoice: NOINV - 09.16.2024						WATER - ACCT #022326 - 3960 GOSSAMER GRV - LNDSC				
	168.95	0808-40-400-19-04-510704-				Water				
				59791	NOINV - 09.15.2024	09/26/2024			101724	903.35
				58207						
Invoice: NOINV - 09.15.2024						WATER - ACCT #022325 - 3960 GOSSAMER GRV - LANDSC				
	903.35	0808-40-400-19-04-510704-				Water				
				59792	NOINV - 09.14.2024	09/26/2024			101724	504.95
				58208						
Invoice: NOINV - 09.14.2024						WATER - ACCT #022388 - 9451 COBBLE CREEK DR				
	504.95	0808-40-400-19-04-510704-				Water				
				59793	NOINV - 09.13.2024	09/26/2024			101724	426.95
				58209						
Invoice: NOINV - 09.13.2024						WATER ACCT #022387 - 3851 COMMUNITY DR - LANDSC				

City of Shafter

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC		
	426.95	0808-40-400-19-04-510704-					Water		
				59795 58211	NOINV - 09.12.2024	09/26/2024		101724	634.55
Invoice: NOINV - 09.12.2024							WATER - ACCT #026635 - 9005 COBBLE CREEK DR		
	634.55	0808-40-400-19-04-510704-					Water		
							CHECK	1021401 TOTAL:	9,210.60
1021402 10/17/2024 PRD	4	PACIFIC GAS & ELECTR	59723 58140	2770705903-9	SEPT 24	09/30/2024		101724	793.84
Invoice: 2770705903-9	SEPT 24						ELECTRICAL CHARGES		
	793.84	5100-50-405-28-91-510707-					Power		
			59737 58154	9898158900-9	SEPT 24	09/30/2024		101724	8,859.29
Invoice: 9898158900-9	SEPT 24						ELECTRICAL CHARGES		
	8,859.29	0100-20-200-14-00-510707-					Power		
			59934 58347	2974410365-5	SEPT 24	09/30/2024		101724	1,064.96
Invoice: 2974410365-5	SEPT 24						ELECTRICAL CHARGES		
	1,064.96	5000-40-400-21-00-510707-					Power		
			59935 58348	1430578397-0	SEPT 24	09/30/2024		101724	3,185.97
Invoice: 1430578397-0	SEPT 24						ELECTRICAL CHARGES		
	3,185.97	5002-40-400-20-00-510707-					Power		
			59940 58352	0393879868-7	SEPT 24	09/30/2024		101724	99.35
Invoice: 0393879868-7	SEPT 24						ELECTRICAL CHARGES		
	99.35	0808-40-400-19-04-510707-					Power		
			59942 58355	0007164861-2	SEPT 24	09/30/2024		101724	271.91
Invoice: 0007164861-2	SEPT 24						ELECTRICAL CHARGES		
	164.26	0100-10-125-06-00-510707-					Power		
	107.65	5000-40-400-21-00-510707-					Power		
			59946 58358	0640468929-8	SEPT 24	09/30/2024		101724	75.16
Invoice: 0640468929-8	SEPT 24						ELECTRICAL CHARGES		
	75.16	0808-40-400-19-04-510707-					Power		
			59948 58360	7309037098-9	SEPT 24	09/30/2024		101724	6,399.67
Invoice: 7309037098-9	SEPT 24						ELECTRICAL CHARGES		
	6,399.67	5002-40-400-20-00-510707-					Power		
			59949	1098600677-2	SEPT 24	09/30/2024		101724	187.26

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE DTL	DESC			
Invoice: 1098600677-2 SEPT 24				58361					
187.26 0808-40-400-19-04-510707-					ELECTRICAL CHARGES				
					Power				
				59951	3668776705-7 SEPT 24	09/30/2024		101724	313.68
				58363					
Invoice: 3668776705-7 SEPT 24					ELECTRICAL CHARGES				
313.68 5002-40-400-20-00-510707-					Power				
				59953	7067809683-8 SEPT 24	09/30/2024		101724	5,406.09
				58365					
Invoice: 7067809683-8 SEPT 24					ELECTRICAL CHARGES				
5,406.09 5100-50-405-28-00-510707-					Power				
				59955	1906024164-3 SEPT 24	09/30/2024		101724	254.66
				58367					
Invoice: 1906024164-3 SEPT 24					ELECTRICAL CHARGES				
254.66 5000-40-400-21-00-510707-					Power				
				59957	8299603596-8 SEPT 24	09/30/2024		101724	1,441.77
				58369					
Invoice: 8299603596-8 SEPT 24					ELECTRICAL CHARGES				
1,441.77 0100-30-400-25-53-510707-					Power				
				59959	6814552050-5 SEPT 24	09/30/2024		101724	43.48
				58371					
Invoice: 6814552050-5 SEPT 24					ELECTRICAL CHARGES				
43.48 0808-40-400-19-04-510707-					Power				
				59960	2644018719-8 SEPT 24	09/30/2024		101724	55.91
				58372					
Invoice: 2644018719-8 SEPT 24					ELECTRICAL CHARGES				
55.91 0100-40-400-19-04-510707-					Power				
				59961	1110247266-6 SEPT 24	09/30/2024		101724	72.35
				58373					
Invoice: 1110247266-6 SEPT 24					ELECTRICAL CHARGES				
72.35 0100-40-400-19-04-510707-					Power				
				59963	8758714175-2 SEPT 24	09/30/2024		101724	2,148.61
				58375					
Invoice: 8758714175-2 SEPT 24					ELECTRICAL CHARGES				
1,074.31 5004-40-500-30-01-510707-					Power				
1,074.30 5103-50-500-29-00-510707-					Power				
				59964	4719291705-3 SEPT 24	09/30/2024		101724	227.76
				58376					
Invoice: 4719291705-3 SEPT 24					ELECTRICAL CHARGES				
227.76 5000-40-400-21-00-510707-					Power				
				59965	6808476934-5 SEPT 24	09/30/2024		101724	784.60
				58377					

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE DTL	DESC			
Invoice: 6808476934-5 SEPT 24				784.60	5002-40-400-20-00-510707-	ELECTRICAL CHARGES			
						Power			
				59966	8407410335-3 SEPT 24	09/30/2024		101724	150.39
				58378					
Invoice: 8407410335-3 SEPT 24				150.39	5004-40-500-30-01-510707-	ELECTRICAL CHARGES			
						Power			
				59967	2633336175-1 SEPT 24	09/30/2024		101724	15.28
				58379					
Invoice: 2633336175-1 SEPT 24				15.28	0811-40-400-19-04-510707-	ELECTRICAL CHARGES			
						Power			
				59968	8433792693-9 SEPT 24	09/30/2024		101724	71.19
				58380					
Invoice: 8433792693-9 SEPT 24				71.19	5006-40-400-23-00-510707-	ELECTRICAL CHARGES			
						Power			
						CHECK	1021402	TOTAL:	31,923.18
1021403	10/17/2024	PRTD	11867	PACIFIC TIRE	59702	40668	09/27/2024	101724	50.00
					58119				
Invoice: 40668				50.00	0100-20-200-14-00-510300-	POLICE #220 - DISMOUNT & MOUNT			
						Vehicle Operations			
				59703	40665	09/27/2024		101724	20.00
				58120					
Invoice: 40665				20.00	0100-20-200-14-00-510300-	POLICE #192 UC - TIRE ROTATION			
						Vehicle Operations			
				59704	40315	09/30/2024		101724	20.00
				58121					
Invoice: 40315				20.00	0100-20-200-14-00-510300-	POLICE #166 UC - TIRE ROTATION			
						Vehicle Operations			
				59824	40776	09/04/2024		101724	138.07
				58239					
Invoice: 40776				138.07	0100-40-400-19-02-510204-	STREETS #2 - REPAIR FLAT			
						Equipment Repair			
				59825	40374	09/12/2024		101724	27.14
				58240					
Invoice: 40374				27.14	0100-20-200-14-00-510300-	POLICE #190 - REPAIR FLAT			
						Vehicle Operations			
				59826	40613	10/09/2024		101724	503.11
				58241					
Invoice: 40613				503.11	5002-40-400-20-00-510300-	WATER #117 - NEW TPM SENSORS			
						Vehicle Operations			
				59827	40615	10/09/2024		101724	285.07

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
Invoice: 40615				58242						
	285.07	0100-40-400-19-02-510300-				STREETS #318 - NEW TIRE				
				59828	40616	Vehicle Operations				
				58243			10/09/2024		101724	85.00
Invoice: 40616						STREETS #318 - WHEEL ALIGNMENT				
	85.00	0100-40-400-19-02-510300-				Vehicle Operations				
				59829	40607		10/08/2024		101724	380.00
				58244						
Invoice: 40607						WATER #315 - NEW BRAKE/NEW PADS/ALIGNMENT				
	380.00	5002-40-400-20-00-510300-				Vehicle Operations				
				59855	40622		10/09/2024		101724	1,165.00
				58270						
Invoice: 40622						POLICE-Front lower control arms, alignment #151				
	1,165.00	0100-20-200-14-00-510300-				Vehicle Operations				
						CHECK	1021403	TOTAL:		2,673.39
1021404	10/17/2024	PRTD	11830	PACIFIC WEST SOUND I	59837	32936	10/15/2024	20250091	101724	4,080.00
					58252					
Invoice: 32936						Council Chamber Audio & Video Improvements				
	4,080.00			E GE00006.2 -50	-525	-0200-ARPA				
				0200-60-400-25-90-580200-ARPA		Capital Prj.- Buildings & Imp.				
						CHECK	1021404	TOTAL:		4,080.00
1021405	10/17/2024	PRTD	1118	PLACEWORKS, INC.	59757	COSH-02.0 - 83961	09/30/2024		101724	17,790.00
					58173					
Invoice: COSH-02.0 - 83961						Prof Services for Lerdo Hwy Design Charrette				
	17,790.00	0100-10-145-13-00-510400-				Professional Services				
				59758	COSH-01.0 - 83960		09/30/2024		101724	12,213.94
				58174						
Invoice: COSH-01.0 - 83960						Prof Services for 2023 General Plan Update & EIR				
	12,213.94	0100-10-145-13-00-510400-				Professional Services				
						CHECK	1021405	TOTAL:		30,003.94
1021406	10/17/2024	PRTD	217	PUBLIC WORKS - COUNT	59852	NOINV - 10.08.2024	10/08/2024		101724	7,410.15
					58267					
Invoice: NOINV - 10.08.2024						LANDFILLS CHARGES - SEPTEMBER 2024				
	7,410.15	5001-40-400-22-00-510114-				Contract Services				

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL	DESC		
						CHECK	1021406	TOTAL:	7,410.15
1021407	10/17/2024	PRTD	374 RACHEL G OZAETA	59903 58317	EDUCATION 10162024	10/15/2024		101724	2,274.18
Invoice: EDUCATION 10162024				2,274.18 0100-20-200-14-00-500503-		Education Reimbursement Oct. 2024		Education Reimbursement	
						CHECK	1021407	TOTAL:	2,274.18
1021408	10/17/2024	PRTD	1230 REMEDIAL TRANSPORTAT	59891 58305	048982	10/08/2024	20250057	101724	67,318.90
Invoice: 048982				67,318.90		WATER - NEW METER PROJECT			
				E WA00017 -50 -525 5002-60-400-20-00-580100-ARPA		-5002		Capital Prj.- Infrastructure	
						CHECK	1021408	TOTAL:	67,318.90
1021409	10/17/2024	PRTD	768 ROLLAND JOHN HENRY V	59653 58070	20241004	10/04/2024		101724	4,720.00
Invoice: 20241004				2,360.00 0100-10-145-13-00-510400- 2,360.00 0100-40-400-18-00-510401-		CONSULTANT AGREEMENT FOR CONTRACTED CITY SURVEYOR		Professional Services Engineering Services	
						CHECK	1021409	TOTAL:	4,720.00
1021410	10/17/2024	PRTD	1035 ROTARY CLUB OF SHAFT	59755 58171	24-25 ROTARY	10/15/2024		101724	552.00
Invoice: 24-25 ROTARY				552.00 0100-10-140-10-00-510106-		24-25 ROTARY DUES & MEALS FOR COS FINANCE DEPT		Subscriptions & Dues	
						CHECK	1021410	TOTAL:	552.00
1021411	10/17/2024	PRTD	264 RICHARD SALAZAR JR	59880 58294	2024-708	10/10/2024		101724	790.00
Invoice: 2024-708				790.00 0100-40-400-19-02-510200-		STREETS - SANTA FE SOLAR LIGHT INSTALL		Repairs & Maintenance	
						CHECK	1021411	TOTAL:	790.00
1021412	10/17/2024	PRTD	10357 SHAFTER TRANSMISSION	59858 58273	78878	10/15/2024		101724	3,255.59
Invoice: 78878				3,255.59 0100-20-200-14-00-510300-		POLICE-Transfer case assembly #151		Vehicle Operations	

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL	DESC			
						CHECK	1021413	TOTAL:		481.61
1021414	10/17/2024	PRTD	14509	SHAFTER WASCO PUBLIS	59905 3547 58319	10/10/2024		101724		180.00
				Invoice: 3547		Notice of Interest Planning Commission Advertising				
				180.00 0100-10-120-05-00-510104-		CHECK	1021414	TOTAL:		180.00
1021415	10/17/2024	PRTD	332	SPAY NEUTER IMPERATI	59938 3017A 58351	09/01/2024		101724		3,750.00
				Invoice: 3017A		September 2024 Shelter Clinic Vet Care Services				
				3,750.00 0100-20-200-55-00-510111-		09/01/2024		101724		3,750.00
				Invoice: 3017B		September 2024 Shelter Clinic, Public Vet Care Services				
				3,750.00 0100-20-200-55-00-510111-		CHECK	1021415	TOTAL:		7,500.00
1021416	10/17/2024	PRTD	14779	STANDARD PLUMBING SU	59798 XMJ181 58213	10/09/2024		101724		11.97
				Invoice: XMJ181		PARKS - ALMOND GROVER - CPL/COUPLING Sxs Repairs & Maintenance				
				11.97 0804-40-400-19-04-510200-		10/11/2024		101724		44.14
				Invoice: XMMK40		WATER - CLOTH PLUMBER/BRASS BALL Repairs & Maintenance				
				44.14 5002-40-400-20-00-510200-		10/10/2024		101724		32.16
				Invoice: XMLH28		ALL PARKS - BY-PASS PRUNER Repairs & Maintenance				
				32.16 0100-30-400-25-00-510200-		10/11/2024		101724		17.78
				Invoice: XMP067		PARK - STRINGHAM - FIP CAP/SEAL TAPE Repairs & Maintenance				
				17.78 0100-30-400-25-37-510200-		10/11/2024		101724		19.29
				Invoice: XMNL58		PW'S - BATTERY ALKALINE AA 30PK Departmental Supplies				
				19.29 5100-50-405-28-20-510001-		10/11/2024		101724		2.13
				Invoice: XMN048		STREETS DECORATIONS - CHAIN 1 JACK BLK				

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL	DESC			
			2.13	0100-10-100-01-00-510802-			Community Promotion			
				59871	XMNQ50		10/11/2024		101724	9.64
				58285						
Invoice:	XMNQ50									
			9.64	0100-20-200-14-00-510300-			POLICE-Hitch pin			
				59872	XMNQ32		10/11/2024		101724	-6.00
				58286			vehicle Operations			
Invoice:	XMNQ32									
			-6.00	0100-20-200-14-00-510300-			POLICE-Refund fleet supplies			
				59888	XMRZ52		10/14/2024		101724	30.01
				58302			Vehicle Operations			
Invoice:	XMRZ52									
			30.01	0100-30-400-25-33-510200-			PARKS - VETERANS - PRIMER/CMMT PVC RDHOT			
				59889	XMVC66		10/14/2024		101724	8.56
				58303			Repairs & Maintenance			
Invoice:	XMVC66									
			8.56	5101-50-400-24-00-510001-			SHOP - KEY KRAFTER			
				59895	XXM036		10/15/2024		101724	64.29
				58309			Departmental Supplies			
Invoice:	XXM036									
			64.29	0100-40-400-19-02-510200-			STREETS - SEALER CONCRETE			
				59896	XXML29		10/15/2024		101724	1.49
				58310			Repairs & Maintenance			
Invoice:	XXML29									
			1.49	0100-40-400-19-02-510200-			STREETS - CAULKING CAP VINYL RED			
				59897	XXML16		10/15/2024		101724	13.93
				58311			Repairs & Maintenance			
Invoice:	XXML16									
			13.93	0100-40-400-19-02-510200-			STREETS - CAULKGUN PISTON			
				59898	XMW775		10/15/2024		101724	21.44
				58312			Repairs & Maintenance			
Invoice:	XMW775									
			21.44	0100-40-400-19-02-510200-			STREETS - TRUFUEL 50:1 MIX 110oz			
							Repairs & Maintenance			
							CHECK	1021416	TOTAL:	270.83
1021417	10/17/2024	PRTD	992	SYNAPSE TECHNOLOGIES	59717	00833437	06/30/2024		101724	220.00
					58134					
Invoice:	00833437									
			220.00				STRINGHAM PARK AMENITIES PROJECT			
				E PK00007.1	-50	-515	-0100			
				0100-60-400-25-37-580200-			Capital Prj.- Buildings & Imp.			

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
				59719	00828962		06/01/2024		101724	1,925.00
				58136						
Invoice: 00828962										
				1,925.00						
				E PK00007.1 -50	-515	-0100				
				0100-60-400-25-37-580200-						
							STRINGHAM PARK AMENITIES PROJECT			
							Capital Prj.- Buildings & Imp.			
							CHECK 1021417 TOTAL:			2,145.00
1021418	10/17/2024	PRTD	298 TAG/AMS, INC	59756	961		10/12/2024		101724	150.00
				58172						
Invoice: 961										
				55.00	5101-50-400-24-00-510400-		DOT Random Alcohol/Drug Tests: PW, TRNS			
				95.00	5003-40-140-12-00-510400-		Professional Services			
							Professional Services			
							CHECK 1021418 TOTAL:			150.00
1021419	10/17/2024	PRTD	5364 TEL-TEC SECURITY SYS	59731	861381		10/01/2024		101724	607.50
				58148						
Invoice: 861381										
				122.50	5100-50-405-28-20-510100-		MONTHLY SECURITY SERVICES - Oct.24			
				92.50	5100-50-405-28-70-510100-		Service Agreements			
				65.00	5100-50-405-28-50-510100-		Service Agreements			
				45.00	5100-50-405-28-15-510100-		Service Agreements			
				87.50	5100-50-405-28-91-510100-		Service Agreements			
				65.00	0100-10-125-06-00-510100-		Service Agreements			
				65.00	5100-50-405-28-03-510100-		Service Agreements			
				65.00	5100-50-405-28-71-510100-		Service Agreements			
							CHECK 1021419 TOTAL:			607.50
1021420	10/17/2024	PRTD	1097 TOMMY A. GUERRA	59714	3380		09/23/2024		101724	560.00
				58131						
Invoice: 3380										
				560.00	5100-50-405-28-14-510205-		POLICE - REPLACE LIGHTING			
							Building Repair & Maintenance			
							CHECK 1021420 TOTAL:			560.00
1021421	10/17/2024	PRTD	12660 TRAFFIC MANAGEMENT I	59764	06-110858		10/09/2024		101724	968.84
				58180						
Invoice: 06-110858										
				968.84	0100-40-400-19-02-510200-		STREETS - SHEETED FLAT BLADE			
							Repairs & Maintenance			
				59820	06-110888		10/09/2024		101724	552.87
				58235						
Invoice: 06-110888										
				552.87	0100-40-400-19-02-510200-		STREETS - UN-SHEETED/SHOP SIGN/FLAT BLADE			
							Repairs & Maintenance			

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

CASH ACCOUNT: 0000-00-000-00-00-100010-					Cash10755					
CHECK NO	CHK	DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
					DOCUMENT	INVOICE	DTL	DESC		
					59910	06-110993	10/14/2024	101724	414.81	
					58324					
Invoice: 06-110993					414.81	0100-40-400-19-02-510200-	STREETS - ROUND PIPE			
					Repairs & Maintenance					
					CHECK 1021421 TOTAL:					1,936.52
1021422	10/17/2024	PRTD	9884	HD SUPPLY, INC	59762	INV00494030	09/24/2024	101724	892.39	
					58178					
Invoice: INV00494030					892.39	5002-40-400-20-00-510001-	WATER - CHLORINE SWIFTEST/DISPENSER REFILL			
					Departmental Supplies					
					CHECK 1021422 TOTAL:					892.39
1021423	10/17/2024	PRTD	9559	VARNER BROS INC	59796	503236	10/03/2024	101724	52,663.11	
					58212					
Invoice: 503236					52,663.11	5001-40-400-22-00-510114-	REFUSE - GOSSAMER GROVE REFUSE SERVICE - SEPT 2024			
					Contract Services					
					CHECK 1021423 TOTAL:					52,663.11
1021424	10/17/2024	PRTD	7021	VERIZON WIRELESS	59748	9974841809	09/26/2024	101724	2,332.03	
					58164					
Invoice: 9974841809					114.03	0100-10-140-10-00-510701-	Verizon wireless Acct. 04 - mobile & devices			
					79.57	0100-10-405-26-00-510701-	Communications			
					38.01	0100-10-120-05-00-510701-	Communications			
					114.03	0100-10-100-01-00-510701-	Communications			
					226.71	0100-10-110-03-00-510701-	Communications			
					79.57	0100-10-125-06-00-510701-	Communications			
					338.41	0100-40-400-18-00-510701-	Communications			
					76.02	0100-10-135-09-00-510701-	Communications			
					276.02	5103-50-500-29-00-510701-	Communications			
					79.57	0100-30-400-25-00-510701-	Communications			
					38.01	5006-40-400-23-00-510701-	Communications			
					266.07	5000-40-400-21-00-510701-	Communications			
					390.76	5002-40-400-20-00-510701-	Communications			
					59.66	0100-30-300-04-00-510701-	Communications			
					155.59	5003-40-140-12-00-510701-	Communications			
					59749	9974841810	09/26/2024	101724	2,922.34	
					58165					
Invoice: 9974841810					289.93	5103-50-500-29-00-510701-	Verizon wireless Acct. 05 - MDCs & Mobiles			
					165.77	0100-20-200-15-00-510701-	Communications			
					1,148.02	0100-20-200-14-00-510701-	Communications			
					1,264.47	0100-20-200-14-00-510701-	Communications			
					54.15	5003-40-140-12-00-510701-	Communications			

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

CASH ACCOUNT: 0000-00-000-00-00-100010-					Cash10755				
CHECK NO	CHK DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
DOCUMENT						INVOICE DTL DESC			
						CHECK	1021424	TOTAL:	5,254.37
1021425	10/17/2024	PRTD	1101 VESTIS GROUP, INC. (	59472	2601658720	10/01/2024		101724	159.43
				57892					
Invoice: 2601658720				159.43	5100-50-405-28-90-510100-	CITY HALL - SANITIZER SERVICES/SOAP SERVICES Service Agreements			
				59710	2601660723	10/08/2024		101724	267.60
				58127					
Invoice: 2601660723				102.60	5100-50-405-28-90-510100-	CITY HALL - MATS AND TABLECLOTHS Service Agreements			
				82.50	0100-10-100-01-00-510001-	Departmental Supplies			
				82.50	0100-10-110-03-00-510001-	Departmental Supplies			
				59711	2601660722	10/08/2024		101724	196.28
				58128					
Invoice: 2601660722				196.28	5100-50-405-28-90-510100-	CITY HALL - SANITIZER SERVICES/SOAP SERVICES Service Agreements			
				59759	2601661576	10/10/2024		101724	369.46
				58175					
Invoice: 2601661576				42.36	0100-30-400-25-00-500502-	ALL PW'S - UNIFORM SERVICES Uniform & Equipment Allowance			
				7.42	5101-50-400-24-00-500502-	Uniform & Equipment Allowance			
				17.73	5101-50-400-24-00-510001-	Departmental Supplies			
				123.88	0100-40-400-19-02-500502-	Uniform & Equipment Allowance			
				1.82	5006-40-400-23-00-500502-	Uniform & Equipment Allowance			
				37.76	5000-40-400-21-00-500502-	Uniform & Equipment Allowance			
				135.96	5002-40-400-20-00-500502-	Uniform & Equipment Allowance			
				2.53	5101-50-400-24-00-500502-	Uniform & Equipment Allowance			
				59916	2601662741	10/15/2024		101724	64.12
				58329					
Invoice: 2601662741				64.12	5100-50-405-28-50-510100-	SHAFTER LEARNING CENTER - MAT SERVICES Service Agreements			
				59917	2601662739	10/15/2024		101724	159.43
				58330					
Invoice: 2601662739				159.43	5100-50-405-28-90-510100-	CITY HALL - SANITIZER SERVICES/SOAP SERVICES Service Agreements			
						CHECK	1021425	TOTAL:	1,216.32
1021426	10/17/2024	PRTD	14473 WASCO VETERINARY CLI	59943	wasco101624	09/26/2024		101724	3,404.30
				58356					
Invoice: wasco101624				3,404.30	0100-20-200-55-00-510111-	Wasco Vet Care Services Vet Care Services			

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

		CHECK	1021426	TOTAL:	3,404.30
NUMBER OF CHECKS	76	***	CASH ACCOUNT TOTAL	***	637,186.11
		COUNT		AMOUNT	
TOTAL PRINTED CHECKS		73		526,242.72	
TOTAL WIRE TRANSFERS		1		.08	
TOTAL EFT'S		2		110,943.47	
		***	GRAND TOTAL	***	637,186.11

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED
CLERK: 5292blopez

YEAR	PER	JNL	SRC ACCOUNT	EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
2025	4	461										
APP	5001-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		168,994.08	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0000-00-000-00-00-100010-			10/17/2024	101724	101724			Cash: Mission Bank Acct#10755			637,186.11
									AP CASH DISBURSEMENTS JOURNAL			
APP	5100-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		10,707.03	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0100-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		146,372.17	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5103-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		117,158.27	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5101-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		446.54	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5002-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		89,913.90	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5000-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		6,179.56	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0200-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		6,887.18	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0808-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		23,501.85	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0308-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		65,357.82	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5004-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		1,224.70	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0811-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		15.28	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5006-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		111.02	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0804-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		11.97	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5003-00-000-00-00-205000-			10/17/2024	101724	101724			Accts Payable		304.74	
									AP CASH DISBURSEMENTS JOURNAL			
GENERAL LEDGER TOTAL											637,186.11	637,186.11
APP	0000-00-000-00-00-209037-			10/17/2024	101724	101724			Due To 5001 - Refuse Operat		168,994.08	
APP	5001-00-000-00-00-109000-			10/17/2024	101724	101724			Due From Funds - Cash Pool			168,994.08
APP	0000-00-000-00-00-209046-			10/17/2024	101724	101724			Due To 5100 - Facility Maint		10,707.03	
APP	5100-00-000-00-00-109000-			10/17/2024	101724	101724			Due From Funds - Cash Pool			10,707.03
APP	0000-00-000-00-00-209001-			10/17/2024	101724	101724			Due To 0100 - Gen Fund		146,372.17	
APP	0100-00-000-00-00-109000-								Due From Funds - Cash Pool			146,372.17

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

YEAR PER SRC ACCOUNT	JNL EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
APP 0000-00-000-00-00-209049-	10/17/2024	101724	101724			Due To 5103 - Info Tech		117,158.27	
APP 5103-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			117,158.27
APP 0000-00-000-00-00-209047-	10/17/2024	101724	101724			Due To 5101 - Vehicle Maint		446.54	
APP 5101-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			446.54
APP 0000-00-000-00-00-209038-	10/17/2024	101724	101724			Due To 5002 - Water Operat		89,913.90	
APP 5002-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			89,913.90
APP 0000-00-000-00-00-209036-	10/17/2024	101724	101724			Due To 5000 - Wastewtr Operat		6,179.56	
APP 5000-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			6,179.56
APP 0000-00-000-00-00-209002-	10/17/2024	101724	101724			Due To 0200 - Federal Grant		6,887.18	
APP 0200-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			6,887.18
APP 0000-00-000-00-00-209032-	10/17/2024	101724	101724			Due To 0808 - LLMD - 001-2015		23,501.85	
APP 0808-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			23,501.85
APP 0000-00-000-00-00-209060-	10/17/2024	101724	101724			Due To 0308 - Street Projects		65,357.82	
APP 0308-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			65,357.82
APP 0000-00-000-00-00-209040-	10/17/2024	101724	101724			Due To 5004 - Telecom Operat		1,224.70	
APP 5004-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			1,224.70
APP 0000-00-000-00-00-209035-	10/17/2024	101724	101724			Due To 0811 - LLMD - 001-2009		15.28	
APP 0811-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			15.28
APP 0000-00-000-00-00-209042-	10/17/2024	101724	101724			Due To 5006 - Rail Operat		111.02	
APP 5006-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			111.02
APP 0000-00-000-00-00-209028-	10/17/2024	101724	101724			Due To 0804 - LLMD - 004-2005		11.97	
APP 0804-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			11.97
APP 0000-00-000-00-00-209039-	10/17/2024	101724	101724			Due To 5003 - Transit Operat		304.74	
APP 5003-00-000-00-00-109000-	10/17/2024	101724	101724			Due From Funds - Cash Pool			304.74

City of Shafter
A/P CASH DISBURSEMENTS JOURNAL
JOURNAL ENTRIES TO BE CREATED

YEAR	PER	JNL							T	OB	DEBIT	CREDIT
SRC	ACCOUNT		JNL	DESC	REF 1	REF 2	REF 3	ACCOUNT	DESC			
	EFF	DATE						LINE	DESC			
SYSTEM GENERATED ENTRIES TOTAL											637,186.11	637,186.11
JOURNAL 2025/04/461 TOTAL											1,274,372.22	1,274,372.22

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
0000	Pooled Cash Fund	2025	4	461	10/17/2024			
	0000-00-000-00-00-100010-					Cash: Mission Bank Acct#10755		637,186.11
	0000-00-000-00-00-209001-					Due To 0100 - Gen Fund	146,372.17	
	0000-00-000-00-00-209002-					Due To 0200 - Federal Grant	6,887.18	
	0000-00-000-00-00-209028-					Due To 0804 - LLMD - 004-2005	11.97	
	0000-00-000-00-00-209032-					Due To 0808 - LLMD - 001-2015	23,501.85	
	0000-00-000-00-00-209035-					Due To 0811 - LLMD - 001-2009	15.28	
	0000-00-000-00-00-209036-					Due To 5000 - Wastewtr Operat	6,179.56	
	0000-00-000-00-00-209037-					Due To 5001 - Refuse Operat	168,994.08	
	0000-00-000-00-00-209038-					Due To 5002 - Water Operat	89,913.90	
	0000-00-000-00-00-209039-					Due To 5003 - Transit Operat	304.74	
	0000-00-000-00-00-209040-					Due To 5004 - Telecom Operat	1,224.70	
	0000-00-000-00-00-209042-					Due To 5006 - Rail Operat	111.02	
	0000-00-000-00-00-209046-					Due To 5100 - Facility Maint	10,707.03	
	0000-00-000-00-00-209047-					Due To 5101 - Vehicle Maint	446.54	
	0000-00-000-00-00-209049-					Due To 5103 - Info Tech	117,158.27	
	0000-00-000-00-00-209060-					Due To 0308 - Street Projects	65,357.82	
						FUND TOTAL	637,186.11	637,186.11
0100	General Fund	2025	4	461	10/17/2024			
	0100-00-000-00-00-109000-					Due From Funds - Cash Pool		146,372.17
	0100-00-000-00-00-205000-					Accts Payable	146,372.17	
						FUND TOTAL	146,372.17	146,372.17
0200	Federal Grant	2025	4	461	10/17/2024			
	0200-00-000-00-00-109000-					Due From Funds - Cash Pool		6,887.18
	0200-00-000-00-00-205000-					Accts Payable	6,887.18	
						FUND TOTAL	6,887.18	6,887.18
0308	State Grants Projects	2025	4	461	10/17/2024			
	0308-00-000-00-00-109000-					Due From Funds - Cash Pool		65,357.82
	0308-00-000-00-00-205000-					Accts Payable	65,357.82	
						FUND TOTAL	65,357.82	65,357.82
0804	LLMD - 004-2005	2025	4	461	10/17/2024			
	0804-00-000-00-00-109000-					Due From Funds - Cash Pool		11.97
	0804-00-000-00-00-205000-					Accts Payable	11.97	
						FUND TOTAL	11.97	11.97
0808	LLMD - 001-2015	2025	4	461	10/17/2024			
	0808-00-000-00-00-109000-					Due From Funds - Cash Pool		23,501.85
	0808-00-000-00-00-205000-					Accts Payable	23,501.85	
						FUND TOTAL	23,501.85	23,501.85

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
0811 LLMD - 001-2009 0811-00-000-00-00-109000- 0811-00-000-00-00-205000-	2025	4	461	10/17/2024	Due From Funds - Cash Pool Accts Payable	15.28	15.28
					FUND TOTAL	15.28	15.28
5000 Wastewater Operations 5000-00-000-00-00-109000- 5000-00-000-00-00-205000-	2025	4	461	10/17/2024	Due From Funds - Cash Pool Accts Payable	6,179.56	6,179.56
					FUND TOTAL	6,179.56	6,179.56
5001 Refuse Operations 5001-00-000-00-00-109000- 5001-00-000-00-00-205000-	2025	4	461	10/17/2024	Due From Funds - Cash Pool Accts Payable	168,994.08	168,994.08
					FUND TOTAL	168,994.08	168,994.08
5002 Water Operations 5002-00-000-00-00-109000- 5002-00-000-00-00-205000-	2025	4	461	10/17/2024	Due From Funds - Cash Pool Accts Payable	89,913.90	89,913.90
					FUND TOTAL	89,913.90	89,913.90
5003 Transit Operations 5003-00-000-00-00-109000- 5003-00-000-00-00-205000-	2025	4	461	10/17/2024	Due From Funds - Cash Pool Accts Payable	304.74	304.74
					FUND TOTAL	304.74	304.74
5004 Telecommunications Operations 5004-00-000-00-00-109000- 5004-00-000-00-00-205000-	2025	4	461	10/17/2024	Due From Funds - Cash Pool Accts Payable	1,224.70	1,224.70
					FUND TOTAL	1,224.70	1,224.70
5006 Rail Operations 5006-00-000-00-00-109000- 5006-00-000-00-00-205000-	2025	4	461	10/17/2024	Due From Funds - Cash Pool Accts Payable	111.02	111.02
					FUND TOTAL	111.02	111.02
5100 Facility Maintenance 5100-00-000-00-00-109000- 5100-00-000-00-00-205000-	2025	4	461	10/17/2024	Due From Funds - Cash Pool Accts Payable	10,707.03	10,707.03
					FUND TOTAL	10,707.03	10,707.03

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
5101	Vehicle Maintenance	2025	4	461	10/17/2024			
	5101-00-000-00-00-109000-					Due From Funds - Cash Pool		446.54
	5101-00-000-00-00-205000-					Accts Payable	446.54	
						FUND TOTAL	446.54	446.54
5103	Information Technology	2025	4	461	10/17/2024			
	5103-00-000-00-00-109000-					Due From Funds - Cash Pool		117,158.27
	5103-00-000-00-00-205000-					Accts Payable	117,158.27	
						FUND TOTAL	117,158.27	117,158.27

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	DUE TO	DUE FR
0000 Pooled Cash Fund	637,186.11	
0100 General Fund		146,372.17
0200 Federal Grant		6,887.18
0308 State Grants Projects		65,357.82
0804 LLMD - 004-2005		11.97
0808 LLMD - 001-2015		23,501.85
0811 LLMD - 001-2009		15.28
5000 Wastewater Operations		6,179.56
5001 Refuse Operations		168,994.08
5002 Water Operations		89,913.90
5003 Transit Operations		304.74
5004 Telecommunications Operations		1,224.70
5006 Rail Operations		111.02
5100 Facility Maintenance		10,707.03
5101 Vehicle Maintenance		446.54
5103 Information Technology		117,158.27
TOTAL	637,186.11	637,186.11

** END OF REPORT - Generated by Brenda Lopez **

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
17	10/24/2024	EFT	378 AMERICAN REFUSE INC	60164 58572	320650		08/01/2024		102424	449.15
Invoice: 320650				449.15	0100-20-200-15-00-510706-	September 2024	Shelter Refuse Refuse			
				60165 58573	327681		10/01/2024		102424	455.89
Invoice: 327681				455.89	0100-20-200-15-00-510706-	October 2024	Shelter Refuse Refuse			
								CHECK	17 TOTAL:	905.04
18	10/24/2024	EFT	45 WAGeworks, INC	59973 58385	10/18/2024		10/18/2024		102424	2,049.10
Invoice: 10/18/2024				1,840.77	0100-00-000-00-00-205150-	warrant 101824	MEDICAL			
				208.33	0100-00-000-00-00-205151-					
								CHECK	18 TOTAL:	2,049.10
1543	10/18/2024	WIRE	936 PUBLIC EMPL RETIREME	59528 57947	57947		10/04/2024		102424	85,506.46
Invoice: 57947				23,690.38	0100-00-000-00-00-205142-	warrant 100424-091424.092724	Pension Contri Payable			
				29,988.51	0100-00-000-00-00-205142-					
				21,532.32	0100-00-000-00-00-205142-					
				9,915.42	0100-00-000-00-00-205142-					
				322.85	0100-10-140-10-00-500604-					
				19.00	5003-40-140-12-00-500604-					
				37.98	5102-50-135-11-00-500604-					
								CHECK	1543 TOTAL:	85,506.46
1548	10/15/2024	WIRE	17 INTERNAL REVENUE SER	59812 58227	10/15/2024		10/15/2024		102424	4,103.00
Invoice: 10/15/2024				2,420.00	0100-00-000-00-00-205120-	warrant 101524	FIT			
				1,364.00	0100-00-000-00-00-205122-					
				319.00	0100-00-000-00-00-205123-					
								CHECK	1548 TOTAL:	4,103.00
1549	10/15/2024	WIRE	144 ST OF CA EDD	59813 58228	10/15/2024		10/15/2024		102424	847.00
Invoice: 10/15/2024				726.00	0100-00-000-00-00-205121-	warrant 101524	SIT			
				121.00	0100-00-000-00-00-205130-					

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
						CHECK		1549	TOTAL:	847.00
1021427	10/24/2024	PRTD	8 #N13786-1 PRINCIPAL	59970	LIFE 11/24		10/18/2024		102424	3,460.01
Invoice: LIFE 11/24				58382						
				3,751.59	0100-00-000-00-00-205134-	Warrant 101824			PREM NOV 2024	
				-291.58	0100-10-140-10-00-500803-CHNGS				Life Insurance Payable	
						CHECK		1021427	TOTAL:	3,460.01
1021428	10/24/2024	PRTD	347 A1 BATTERY CO INC	60122	99876		10/18/2024		102424	26.74
Invoice: 99876				58532						
				26.74	5000-40-400-21-00-510200-	WASTE WATER - AGM BATTERY			Repairs & Maintenance	
						CHECK		1021428	TOTAL:	26.74
1021429	10/24/2024	PRTD	193 ABC HEALTH PROFESSIO	60055	EM019997		10/10/2024		102424	65.00
Invoice: EM019997				58466						
				65.00	0100-30-400-25-00-510400-	DOT Physical Exam PW			Professional Services	
						CHECK		1021429	TOTAL:	65.00
1021430	10/24/2024	PRTD	72 AFLAC	59974	686864		10/18/2024		102424	4,831.84
Invoice: 686864				58386						
				4,597.79	0100-00-000-00-00-205152-	Warrant 101824			125INS CONTRIBUTIONS	
				234.48	0100-00-000-00-00-205153-				Supplemental Insurance Payable	
				-.43	0100-10-140-10-00-510810-				Section 125 Admin Cost Payable	
						CHECK		1021430	TOTAL:	4,831.84
1021431	10/24/2024	PRTD	14652 AMAZON CAPITAL SERVI	59914	1WWV-9Q7G-M9VL		10/09/2024		102424	117.32
Invoice: 1WWV-9Q7G-M9VL				58327						
				117.32	0100-30-300-04-60-510015-	SLLC Books			Books	
				59990	# 19VM-HY3T-7QRC		10/10/2024		102424	25.69
Invoice: # 19VM-HY3T-7QRC				58402						
				25.69	0100-10-405-26-00-510000-	BUILDING-OFFICE SUPPLIES / STAMP			Office Supplies	
				59998	14CL-CF3V-P73K		10/17/2024		102424	56.72
Invoice: 14CL-CF3V-P73K				58410						
				56.72	5101-50-400-24-00-510001-	SHOP - BATTERY REPLACEMENT			Departmental Supplies	

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CHECK NO CHK DATE TYPE VENDOR NAME

CASH ACCOUNT: 0000-00-000-00-00-100010-				Cash10755					
CHECK NO	CHK DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
					DOCUMENT	INVOICE DTL	DESC		
Invoice: 1VNX-HWXX-9LMD				60014	1VNX-HWXX-9LMD	10/14/2024		102424	24.37
				58426					
	24.37	5103-50-500-29-00-510001-			Network patch panel accessories			Departmental Supplies	
Invoice: 17CL-DTCR-37LT				60044	17CL-DTCR-37LT	09/24/2024		102424	27.86
				58456					
	27.86	0100-10-110-65-00-510000-			Liquid Chalk Markers			Office Supplies	
Invoice: 1LK7-MKMM-JXX3				60045	1LK7-MKMM-JXX3	10/07/2024		102424	880.17
				58457					
	880.17	0100-10-140-10-00-510001-			Canon Image DR-M160II Finance Dept.			Departmental Supplies	
Invoice: 1NJD-K44H-R1KW				60046	1NJD-K44H-R1KW	10/07/2024		102424	59.47
				58458					
	59.47	0100-30-300-04-00-510016-			SLLC Classroom Supplies			Classroom Supplies	
Invoice: 1TPP-V7D3-QTHM				60047	1TPP-V7D3-QTHM	10/07/2024		102424	47.18
				58459					
	47.18	0100-30-300-04-00-510001-			SLLC Dept Supplies			Departmental Supplies	
Invoice: 1MCF-99TX-M4PR				60048	1MCF-99TX-M4PR	10/15/2024		102424	30.00
				58460					
	30.00	0100-30-300-04-00-510016-			SLLC Classroom Supplies			Classroom Supplies	
Invoice: 1V7M-DHWW-DMYJ				60050	1V7M-DHWW-DMYJ	09/21/2024		102424	53.54
				58462					
	53.54	0100-30-300-04-00-510016-			SLLC Classroom Supplies			Classroom Supplies	
Invoice: 16RC-L3G1-7KJH				60051	16RC-L3G1-7KJH	09/13/2024		102424	84.67
				58463					
	84.67	0100-30-300-04-00-510016-			SLLC Classroom Supplies			Classroom Supplies	
Invoice: 1JH6-7CVF-FTWQ				60054	1JH6-7CVF-FTWQ	10/15/2024		102424	49.04
				58465					
	49.04	0100-10-135-09-00-510116-			SEDAC - HR - HALLOWEEN SUPPLIES			Employee Dev & Reten (SEDAC)	
Invoice: 1MK4-PW49-1FDR				60104	1MK4-PW49-1FDR	09/23/2024		102424	33.44
				58514					
	33.44	5002-40-400-20-00-510202-			WATER - PVC PIPE REAMER			Hardware & Tools	
				60105	1Y96-3KQF-TYJN	10/09/2024		102424	80.42

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
Invoice: 1Y96-3KQF-TYJN				58515						
	80.42	5002-40-400-20-00-510001-				WATER - WEBCAMS				
				60106	1D4K-V3PP-FN4T		10/10/2024		102424	769.20
Invoice: 1D4K-V3PP-FN4T				58516						
	769.20	0100-40-400-18-00-510001-				ENGINEERING - PHONE/CAMERA LENS/MOUNT/CHARGER				
				60107	1FFG-T99G-6N7T		09/24/2024		102424	208.08
Invoice: 1FFG-T99G-6N7T				58517						
	208.08	0100-40-400-19-02-510001-				STREETS - BULLETIN BOARD				
				60108	19N9-N4XK-LGGD		10/02/2024		102424	146.08
Invoice: 19N9-N4XK-LGGD				58518						
	146.08	5002-40-400-20-00-510300-				WATER - STACKABLE STORAGE				
				60109	1F1L-C4CD-6MCH		10/14/2024		102424	126.08
Invoice: 1F1L-C4CD-6MCH				58519						
	126.08	5002-40-400-20-00-510001-				WATER - IPAD HOLDER				
				60110	141G-KCVW-63LC		10/04/2024		102424	16.08
Invoice: 141G-KCVW-63LC				58520						
	16.08	0100-40-400-18-00-510001-				ENGINEERING - INSPECTION MIRROR				
				60111	177T-NXMX-X4QY		09/20/2024		102424	347.35
Invoice: 177T-NXMX-X4QY				58521						
	347.35	0100-40-400-18-00-510001-				ENGINEERING - TRIPOD				
				60113	1XFD-M1H9-4PJ6		10/21/2024		102424	20.37
Invoice: 1XFD-M1H9-4PJ6				58523						
	20.37	0100-10-135-09-00-510116-				SEDAC - CM - HALLOWEEN SUPPLIES				
				60114	1F7Y-7HWQ-6WTG		10/18/2024		102424	72.15
Invoice: 1F7Y-7HWQ-6WTG				58524						
	72.15	0100-10-135-09-00-510116-				SEDAC - CM - HALLOWEEN SUPPLIES				
						Employee Dev & Reten (SEDAC)				
						CHECK	1021431	TOTAL:		3,275.28
1021432	10/24/2024	PRTD	13236	AMBER CHEMICAL INC	60112	0383159-IN	10/09/2024		102424	1,926.21
Invoice: 0383159-IN				58522						
	1,926.21	5002-40-400-20-00-510900-				WATER - WATER CHEMICALS- HYPOCHLORITE				
						Treatment Supplies				

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL	DESC		
						CHECK	1021432	TOTAL:	1,926.21
1021433	10/24/2024	PRTD	80	APEX GENERAL CONSTRU	60091 242101 58502	07/01/2024		102424	962.00
				Invoice: 242101		LEARNING CENTER - REVOCATION ASBESTOS/LEAD SURVEY Repairs & Maintenance			
				962.00	5100-50-405-28-50-510200-				
						CHECK	1021433	TOTAL:	962.00
1021434	10/24/2024	PRTD	1278	ASHLEY SAMARRIPAS	60097 NOINV - 10.19.2024 58507	10/22/2024		102424	350.00
				Invoice: NOINV - 10.19.2024		VETERAN'S HALL SECURITY DEPOSIT REFUND - 10.18.24 Rental Security Deposits			
				350.00	0100-00-000-00-00-205303-				
						CHECK	1021434	TOTAL:	350.00
1021435	10/24/2024	PRTD	12466	AT&T CALNET 3	60082 9391012252 Oct 24 58493	10/17/2024		102424	155.55
				Invoice: 9391012252 Oct 24		POLICE-Phone charges Communications			
				155.55	0100-20-200-14-00-510701-				
						60186 9391012258 OCT 24 58594	10/15/2024	102424	1,602.57
				Invoice: 9391012258 OCT 24		PHONE CHARGES Communications			
				1,602.57	0100-10-125-06-00-510701-				
						60188 9391012260 OCT 24 58596	10/17/2024	102424	30.67
				Invoice: 9391012260 OCT 24		PHONE CHARGES Communications			
				30.67	0100-30-400-25-55-510701-				
						60190 9391012263 OCT 24 58598	10/17/2024	102424	30.67
				Invoice: 9391012263 OCT 24		PHONE CHARGES Communications			
				30.67	5000-40-400-21-00-510701-				
						60191 9391012268 OCT 24 58599	10/17/2024	102424	30.67
				Invoice: 9391012268 OCT 24		PHONE CHARGES Communications			
				30.67	5000-40-400-21-00-510701-				
						60192 000022460348 58600	10/17/2024	102424	435.18
				Invoice: 000022460348		PHONE CHARGES Communications Communications Communications			
				92.01	0100-30-400-25-30-510701-				
				312.41	0100-20-200-14-00-510701-				
				30.76	5002-40-400-20-00-510701-				
						60193 9391012266 OCT 24	10/17/2024	102424	30.67

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL		DESC	
Invoice: 9391012266 OCT 24				58601					
	30.67	5100-50-405-28-90-510701-				PHONE CHARGES		Communications	
				60194	9391012273 OCT 24	10/17/2024		102424	160.72
Invoice: 9391012273 OCT 24				58602					
	160.72	0100-20-200-14-00-510701-				PHONE CHARGES		Communications	
				60195	9391012271 OCT 24	10/17/2024		102424	31.19
Invoice: 9391012271 OCT 24				58603					
	31.19	5002-40-400-20-00-510701-				PHONE CHARGES		Communications	
				60196	9391012262 OCT 24	10/17/2024		102424	30.67
Invoice: 9391012262 OCT 24				58604					
	30.67	5000-40-400-21-00-510701-				PHONE CHARGES		Communications	
				60197	9391012259 OCT 24	10/17/2024		102424	112.61
Invoice: 9391012259 OCT 24				58605					
	112.61	0100-20-200-14-00-510701-				PHONE CHARGES		Communications	
				60200	9391012272 OCT 24	10/17/2024		102424	288.38
Invoice: 9391012272 OCT 24				58608					
	288.38	5100-50-405-28-00-510701-				PHONE CHARGES		Communications	
				60201	9391012265 OCT 24	10/17/2024		102424	31.19
Invoice: 9391012265 OCT 24				58609					
	31.19	5000-40-400-21-00-510701-				PHONE CHARGES		Communications	
				60202	9391012270 OCT 24	10/17/2024		102424	31.54
Invoice: 9391012270 OCT 24				58610					
	31.54	5100-50-405-28-90-510701-				PHONE CHARGES		Communications	
CHECK 1021435 TOTAL:									3,002.28
1021436	10/24/2024	PRTD	13852	BOOT BARN INC	60059	INV00414138	10/18/2024	102424	292.24
Invoice: INV00414138				58470					
	292.24	0100-10-405-26-00-500502-				Boots FY 24/25 BLDG		Uniform & Equipment Allowance	
				60061	INV00414141	10/18/2024		102424	214.31
Invoice: INV00414141				58472					
	214.31	0100-10-405-26-00-500502-				Boots FY 24/25 BLDG		Uniform & Equipment Allowance	

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				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC		
				60063 58474	INV00414139	10/18/2024		102424	297.13
Invoice: INV00414139							Boots FY 24/25 PW		
				237.70	5002-40-400-20-00-500502-		Uniform & Equipment Allowance		
				59.43	5000-40-400-21-00-500502-		Uniform & Equipment Allowance		
				60070 58481	INV00414140	10/18/2024		102424	282.50
Invoice: INV00414140							Boots FY 24/25 PW		
				282.50	0100-40-400-19-02-500502-		Uniform & Equipment Allowance		
						CHECK	1021436 TOTAL:		1,086.18
1021437	10/24/2024	PRTD	427	BRAXBRO, INC.	60058 58469	1471	10/18/2024	102424	560.00
Invoice: 1471									
				560.00			WATER/SCADA - WELL #1 & #17 - PROGRAMMING		
					E WA00005 -50 -525 -		Capital Prj.- Infrastructure		
					5002-60-400-20-00-580100-		CHECK	1021437 TOTAL:	560.00
1021438	10/24/2024	PRTD	7613	CA STATE DISBURSEMEN	59979 58391	20-20141314	10/18/2024	102424	242.30
Invoice: 20-20141314									
				242.30	0100-00-000-00-00-205141-		GARNISHMENT # 20-2041314		
							Garnishments Payable		
						CHECK	1021438 TOTAL:		242.30
1021439	10/24/2024	PRTD	7613	CA STATE DISBURSEMEN	59980 58392	20-1412669	10/18/2024	102424	300.00
Invoice: 20-1412669									
				300.00	0100-00-000-00-00-205141-		GARNISHMENT # 20-1412669		
							Garnishments Payable		
						CHECK	1021439 TOTAL:		300.00
1021440	10/24/2024	PRTD	7613	CA STATE DISBURSEMEN	59981 58393	20-2535426	10/18/2024	102424	46.15
Invoice: 20-2535426									
				46.15	0100-00-000-00-00-205141-		GARNISHMENT # 20-2535426		
							Garnishments Payable		
						CHECK	1021440 TOTAL:		46.15
1021441	10/24/2024	PRTD	14425	CARLOS QUEZADA	60076 58487	2024-10-11	10/11/2024	102424	975.00
Invoice: 2024-10-11									
				975.00	0100-20-200-14-00-510300-		POLICE-Fleet washes		
							Vehicle Operations		

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL		DESC	
				60077 58488	2024-10-18	10/18/2024		102424	825.00
Invoice: 2024-10-18				825.00	0100-20-200-14-00-510300-	POLICE-Fleet washes		Vehicle Operations	
						CHECK	1021441	TOTAL:	1,800.00
1021442	10/24/2024	PRTD	5303 CULLIGAN WATER CONDI	60179 58587	141576	09/01/2024		102424	4.00
Invoice: 141576				4.00	0100-20-200-15-00-510100-	Cooler Rental		Service Agreements	
				60180 58588	144313	09/27/2024		102424	44.50
Invoice: 144313				44.50	0100-20-200-15-00-510100-	water delivery		Service Agreements	
						CHECK	1021442	TOTAL:	48.50
1021443	10/24/2024	PRTD	14044 FASTENAL COMPANY	60060 58471	CABAE28612	10/18/2024	20250036	102424	92.24
Invoice: CABAE28612				18.44	0100-40-400-19-02-510000-	ALL PW'S - VENDING MACHINE SUPPLIES		Office Supplies	
				18.45	0100-30-400-25-00-510001-			Departmental Supplies	
				18.45	5000-40-400-21-00-510001-			Departmental Supplies	
				18.45	5002-40-400-20-00-510000-			Office Supplies	
				18.45	5101-50-400-24-00-510001-			Departmental Supplies	
						CHECK	1021443	TOTAL:	92.24
1021444	10/24/2024	PRTD	5903 FERGUSON ENTERPRISES	60040 58452	0013850	10/03/2024		102424	1,022.77
Invoice: 0013850				1,022.77	5002-40-400-20-00-510200-	WATER - DBL BRS STRP/REP CLMP		Repairs & Maintenance	
				60041 58453	0015014	10/04/2024		102424	612.17
Invoice: 0015014				612.17	5002-40-400-20-00-510200-	WATER - LF 1 CTS COMP 90 BEND		Repairs & Maintenance	
						CHECK	1021444	TOTAL:	1,634.94
1021445	10/24/2024	PRTD	12171 FGL ENVIRONMENTAL	59999 58411	448037A	10/16/2024		102424	233.00
Invoice: 448037A				233.00	5002-40-400-20-00-510905-	BACTERIOLOGICAL TESTING FOR WATER SYSTEM		Water Testing/Samples	

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
				60000	448038A		10/16/2024		102424	347.00
				58412						
Invoice: 448038A										
	347.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
				60001	448039A		10/16/2024		102424	305.00
				58413						
Invoice: 448039A										
	305.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
				60002	448044A		10/16/2024		102424	73.00
				58414						
Invoice: 448044A										
	73.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
				60003	448057A		10/16/2024		102424	437.00
				58415						
Invoice: 448057A										
	437.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
				60029	447792A		10/17/2024		102424	80.00
				58441						
Invoice: 447792A										
	80.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
				60030	448247A		10/17/2024		102424	35.00
				58442						
Invoice: 448247A										
	35.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
				60031	448248A		10/17/2024		102424	357.00
				58443						
Invoice: 448248A										
	357.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
				60120	446525A		09/03/2024		102424	345.00
				58530						
Invoice: 446525A										
	345.00	5002-40-400-20-00-510900-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Treatment Supplies				
						CHECK	1021445	TOTAL:		2,212.00
1021446 10/24/2024 PRD 14647 FINISHLINE SIGNS				60119	14506		09/18/2024		102424	227.33
				58529						
Invoice: 14506										
	227.33	5002-40-400-20-00-510300-				WATER - NEW DECALS FOR NEW TRUCK				
						Vehicle Operations				
						CHECK	1021446	TOTAL:		227.33

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

CASH ACCOUNT: 0000-00-000-00-00-100010-						Cash10755				
CHECK NO	CHK	DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
DOCUMENT							INVOICE DTL DESC			
1021447	10/24/2024	PRTD	148	GHA TECHNOLOGIES INC	59956	11426484	10/06/2024	20250082	102424	187,178.81
Invoice: 11426484				187,178.81	E IT00005 -30 -550		Server Upgrade/Nutanix Hardware - Project IT0005			
				5103-60-500-29-00-570200-	-5103		Machinery & Equipment			
							CHECK	1021447	TOTAL:	187,178.81
1021448	10/24/2024	PRTD	12729	HAAKER EQUIPMENT COM	60133	C5A27C	10/22/2024		102424	1,896.53
Invoice: C5A27C				1,896.53	0100-40-400-19-02-510300-		STREETS - HOSE/CLAMP			
							Vehicle Operations			
							CHECK	1021448	TOTAL:	1,896.53
1021449	10/24/2024	PRTD	12170	HADDAD DODGE	59992	115712	10/02/2024		102424	52,899.21
Invoice: 115712				52,899.21	0100-60-200-14-00-570100-FENT		POLICE-2025 Kia Carnival			
							Automotive Equipment			
							CHECK	1021449	TOTAL:	52,899.21
1021450	10/24/2024	PRTD	962	HEALTHWISE SERVICES,	60189	187399	08/31/2024		102424	114.00
Invoice: 187399				114.00	0100-20-200-15-00-510100-		Biohazard Disposal			
							Service Agreements			
							CHECK	1021450	TOTAL:	114.00
1021451	10/24/2024	PRTD	15464	HECTOR'S PLUMBING	60092	23-1812	10/17/2024		102424	300.00
Invoice: 23-1812				300.00	5002-40-400-20-00-510200-		WATER - REPAIR TO 351 ANN AVE			
							Repairs & Maintenance			
							CHECK	1021451	TOTAL:	300.00
1021452	10/24/2024	PRTD	1444	HILLCREST SHEET META	60093	960021434	09/13/2024		102424	140.00
Invoice: 960021434				140.00	5100-50-405-28-15-510200-		ANIMAL CONTROL - HVAC MAINTENANCE SERVICES			
							Repairs & Maintenance			
							CHECK	1021452	TOTAL:	140.00

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
1021453	10/24/2024	PRTD	2	HITCHCOCK'S AUTO PAR	60020 7446-409659		10/11/2024		102424	35.59
		Invoice: 7446-409659			58432					
			35.59	0100-40-400-19-02-510300-		STREETS #215 - OIL FILTER/OIL				
						Vehicle Operations				
					60021 7446-409723		10/14/2024		102424	81.91
		Invoice: 7446-409723			58433					
			81.91	0100-40-400-19-02-510300-		STREETS #217 - ENG MNT FRNT LFT				
						Vehicle Operations				
					60022 7446-409783		10/14/2024		102424	-81.91
		Invoice: 7446-409783			58434					
			-81.91	0100-40-400-19-02-510300-		STREETS #217 - ENG MNT FRNT LFT - CREDIT				
						Vehicle Operations				
					60023 7446-410052		10/17/2024		102424	15.68
		Invoice: 7446-410052			58435					
			15.68	0100-40-400-19-02-510300-		STREETS - DRAIN PLUG M12 1.75				
						Vehicle Operations				
					60024 7446-410049		10/17/2024		102424	32.11
		Invoice: 7446-410049			58436					
			32.11	0100-40-400-19-02-510300-		STREETS - OIL 5W30				
						Vehicle Operations				
					60025 7446-409939		10/16/2024		102424	55.75
		Invoice: 7446-409939			58437					
			55.75	0100-30-400-25-00-510300-		PARKS #54 - 22 ICON WIPER BLADE				
						Vehicle Operations				
					60026 7446-409938		10/16/2024		102424	55.75
		Invoice: 7446-409938			58438					
			55.75	0100-30-400-25-00-510300-		PARKS #55 - 22 ICON WIPER BLADE				
						Vehicle Operations				
					60118 7446-410213		10/21/2024		102424	156.59
		Invoice: 7446-410213			58528					
			156.59	5100-50-405-28-90-510200-		ALL PW'S - GENERATOR - BATTERY				
						Repairs & Maintenance				
					60149 7446-410173		10/21/2024		102424	47.72
		Invoice: 7446-410173			58559					
			47.72	0100-20-200-14-00-510300-		POLICE #161 - OIL 5W20/ENGINE AIR FILTER/OIL FILTE				
						Vehicle Operations				
					60150 7446-410176		10/21/2024		102424	90.70
		Invoice: 7446-410176			58560					
			90.70	0100-40-400-19-02-510300-		STREETS #58 - DOOR HANDLE				
						Vehicle Operations				

City of Shafter A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
							CHECK	1021453	TOTAL:	489.89
1021454	10/24/2024	PRTD	13383	HOME DEPOT CREDIT SE	59495 904886		09/23/2024		102424	53.52
					57915					
				Invoice: 904886						
				53.52	5100-50-405-28-17-510001-		MCCF - TOUGHT TOTEDS			
							Departmental Supplies			
					60134 3832930		10/10/2024		102424	40.25
					58544					
				Invoice: 3832930						
				40.25	0100-30-400-25-37-510001-		PARKS - STRINGHAM - BLUE TRIANGLE SIGNS			
							Departmental Supplies			
					60135 4910276		10/09/2024		102424	55.46
					58545					
				Invoice: 4910276						
				55.46	0100-30-400-25-37-510001-		PARKS - STRINGHAM - HNDGP SIGNS			
							Departmental Supplies			
							CHECK	1021454	TOTAL:	149.23
1021455	10/24/2024	PRTD	9365	JEFF'S MOBILE LOCKSM	60084 7476		10/21/2024		102424	150.00
					58495					
				Invoice: 7476						
				150.00	0100-20-200-14-00-510400-		POLICE-Locksmith services			
							Professional Services			
							CHECK	1021455	TOTAL:	150.00
1021456	10/24/2024	PRTD	10328	JEREMY BARELA	60167 NOINV 10.23.2024		10/23/2024		102424	242.50
					58574					
				Invoice: NOINV 10.23.2024						
				242.50	0100-30-400-25-00-510505-		PER DIEM - SPSI COURSES & EXAM - J. BARELA			
							Travel			
							CHECK	1021456	TOTAL:	242.50
1021457	10/24/2024	PRTD	12379	KERN PRINT SERVICES	59995 53470		10/15/2024		102424	189.86
					58407					
				Invoice: 53470						
				66.21	0100-30-300-04-00-510001-		Business Cards for L. Lippincott & R. Bernal			
				123.65	0100-10-110-03-00-510001-		Departmental Supplies			
							Departmental Supplies			
					60053 53386		10/15/2024		102424	288.97
					58464					
				Invoice: 53386						
				166.47	0100-10-405-27-00-510001-		BLD/SHOP - BUSINESS CARDS - P.MCMASTERS/FISH			
				122.50	5101-50-400-24-00-510001-		Departmental Supplies			
							Departmental Supplies			
							CHECK	1021457	TOTAL:	478.83

City of Shafter

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL	DESC			
						CHECK	1021462	TOTAL:	1,200.00	
1021463	10/24/2024	PRTD	606	MARCIAL MASCORRO	60130 6057 58540	10/23/2024	102424	350.00		
Invoice: 6057				350.00	5103-50-500-29-00-510400-	Council Chambers Digital Clock Replacement Professional Services				
				60131 6058 58541		10/23/2024	102424	200.00		
Invoice: 6058				200.00	5103-50-500-29-00-510400-	PD Datacenter Digital Clock Replacement Professional Services				
						CHECK	1021463	TOTAL:	550.00	
1021464	10/24/2024	PRTD	12238	MARY VALENTI	60071 135NOINV10212024 58482	10/16/2024	102424	500.00		
Invoice: 135NOINV10212024				500.00	0100-20-200-14-00-510115-	Pre-emp. Psych Exam PO Recruitment				
						CHECK	1021464	TOTAL:	500.00	
1021465	10/24/2024	PRTD	1249	MICHAEL ROGERS	60162 MILEAGE 10232024 58571	10/11/2024	102424	495.13		
Invoice: MILEAGE 10232024				495.13	5103-50-500-29-00-510505-	Mileage Reimbursement for RIMS Conference 2024 Travel				
						CHECK	1021465	TOTAL:	495.13	
1021466	10/24/2024	PRTD	7160	NATIONAL DATA & SURV	60089 23-060044 58500	07/01/2024	102424	1,920.00		
Invoice: 23-060044				1,920.00	0100-40-400-19-02-510400-	2023 - 2024 TRAFFIC STUDIES Professional Services				
						CHECK	1021466	TOTAL:	1,920.00	
1021467	10/24/2024	PRTD	9992	O'REILLY AUTOMOTIVE	60028 2947-376410 58440	10/14/2024	102424	77.57		
Invoice: 2947-376410				77.57	0100-40-400-19-02-510300-	STREETS #217 - ENGINE MOUNT Vehicle Operations				
						CHECK	1021467	TOTAL:	77.57	
1021468	10/24/2024	PRTD	1434	OPEN AND SHUT ENTERP	60033 105721 58445	07/24/2024	102424	623.98		
Invoice: 105721				623.98	5100-50-405-28-20-510205-	ALL PW'S - REPAIR GATE ON E ASH Building Repair & Maintenance				

City of Shafter

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
						CHECK	1021468	TOTAL:		623.98
1021469	10/24/2024	PRTD	1205 OVERLAND PACIFIC & C	60125 58535	INV-0004641808		10/22/2024		102424	441.39
Invoice: INV-0004641808				441.39		HWY 43 ROUNDABOUT PROJECT @ SANTA FE				
				E ST00029 -30 -310	-0305	Capital Prj.- Infrastructure				
				0305-60-400-19-02-580100-		CHECK	1021469	TOTAL:		441.39
1021470	10/24/2024	PRTD	4 PACIFIC GAS & ELECTR	59933 58346	2130406998-8 SEPT 24		09/30/2024		102424	151.69
Invoice: 2130406998-8 SEPT 24						ELECTRICAL CHARGES				
				40.97	0100-20-200-14-00-510707-	Power				
				4.93	0100-20-200-15-00-510707-	Power				
				8.21	0100-40-400-18-00-510707-	Power				
				8.81	0810-40-400-19-04-510707-	Power				
				22.75	0811-40-400-19-04-510707-	Power				
				22.47	5001-40-400-22-00-510707-	Power				
				14.85	5002-40-400-20-00-510707-	Power				
				8.21	5003-40-140-12-00-510707-	Power				
				4.10	5101-50-400-24-00-510707-	Power				
				16.39	5100-50-405-28-17-510707-	Power				
				59950 58362	4006021273-1 SEPT 24		09/30/2024		102424	17,012.54
Invoice: 4006021273-1 SEPT 24				17,012.54	5002-40-400-20-00-510707-	ELECTRICAL CHARGES				
						Power				
				59952 58364	9859576522-7 SEPT 24		09/30/2024		102424	41,065.92
Invoice: 9859576522-7 SEPT 24				41,065.92	5002-40-400-20-00-510707-	ELECTRICAL CHARGES				
						Power				
				60157 58566	5997224598-5 OCT 24		10/14/2024		102424	52.77
Invoice: 5997224598-5 OCT 24				52.77	0812-40-400-19-04-510707-	ELECTRICAL CHARGES				
						Power				
				60159 58568	0429781083-2 OCT 24		10/16/2024		102424	303.88
Invoice: 0429781083-2 OCT 24				303.88	5004-40-500-30-01-510707-	ELECTRICAL CHARGES				
						Power				
				60160 58569	2467227128-5 OCT 24		10/16/2024		102424	55.70
Invoice: 2467227128-5 OCT 24				55.70	0100-40-400-19-04-510707-	ELECTRICAL CHARGES				
						Power				

City of Shafter

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL DESC			
				60161 58570	4467176936-0	OCT 24 10/16/2024		102424	301.73
Invoice: 4467176936-0 OCT 24				301.73	0811-40-400-19-04-510707-	ELECTRICAL CHARGES			
						Power			
				60170 58578	2533157342-5	OCT 24 10/14/2024		102424	13.92
Invoice: 2533157342-5 OCT 24				13.92	0100-30-400-25-36-510707-	ELECTRICAL CHARGES			
						Power			
				60173 58581	5731810588-9	OCT 24 10/14/2024		102424	29.10
Invoice: 5731810588-9 OCT 24				29.10	0100-30-400-25-52-510707-	ELECTRICAL CHARGES			
						Power			
						CHECK		1021470 TOTAL:	58,987.25
1021471	10/24/2024	PRTD	11867	PACIFIC TIRE	60015 58427	41023 10/11/2024		102424	707.31
Invoice: 41023				707.31	0100-40-400-19-02-510300-	STREETS #217 - NEW TIRES			
						Vehicle Operations			
				60016 58428	40697 10/03/2024			102424	20.00
Invoice: 40697				20.00	0100-20-200-14-00-510300-	POLICE #233 - TIRE ROTATION			
						Vehicle Operations			
				60017 58429	40350 10/04/2024			102424	707.31
Invoice: 40350				707.31	0100-40-400-19-02-510300-	STREETS #58 - NEW TIRES			
						Vehicle Operations			
				60018 58430	41369 10/16/2024			102424	27.14
Invoice: 41369				27.14	0100-20-200-14-00-510300-	POLICE #234 - REPAIR FLAT			
						Vehicle Operations			
				60019 58431	41386 10/17/2024			102424	27.14
Invoice: 41386				27.14	0100-40-400-18-00-510300-	ENGINEERING #115 - REPAIR TIRE			
						Vehicle Operations			
				60079 58490	41362 10/16/2024			102424	27.14
Invoice: 41362				27.14	0100-20-200-14-00-510300-	POLICE-Flat repair # 221			
						Vehicle Operations			
				60098 58508	41753 10/18/2024			102424	660.12
Invoice: 41753						IT Van# 317 Replacement Tires Qty.4			

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
				660.12	5103-50-500-29-00-510300-				Vehicle Operations	
							CHECK	1021471	TOTAL:	2,176.16
1021472	10/24/2024	PRTD	6562	PEOPLEFACTS LLC	60075 2024090222	58486	10/01/2024	102424		16.67
	Invoice: 2024090222								Credit Report Security Monitoring Fee Recruitment	
				16.67	0100-20-200-14-00-510115-					
							CHECK	1021472	TOTAL:	16.67
1021473	10/24/2024	PRTD	320	PRICE PAIGE & COMPAN	60136 34330	58546	09/30/2024	102424		1,700.00
	Invoice: 34330								ACCOUNTING SERVICES YR ENDED JUNE 30, 2024	
				1,700.00	0100-10-140-10-00-510402-				Accounting & Auditing Services	
							CHECK	1021473	TOTAL:	1,700.00
1021474	10/24/2024	PRTD	7815	PROFORCE LAW ENFORCE	60080 559646	58491	10/16/2024	20250032 102424		2,934.47
	Invoice: 559646								POLICE-Carrier #290, #328	
				2,934.47	0100-20-200-14-00-510001-				Departmental Supplies	
						60081 559707	10/17/2024	20250067 102424		4,719.47
	Invoice: 559707					58492			POLICE-4-DEF 40MM LMT TAC SNGL LAUNCHER	
				4,719.47	0100-20-200-14-00-510001-				Departmental Supplies	
							CHECK	1021474	TOTAL:	7,653.94
1021475	10/24/2024	PRTD	5265	RANDAL MILLIGAN	60074 NOINV 10/22/24	58485	10/22/2024	102424		200.00
	Invoice: NOINV 10/22/24								POLICE-Refund for 2 tickets for KCLE awards dinner	
				200.00	0100-20-200-14-00-510001-				Departmental Supplies	
							CHECK	1021475	TOTAL:	200.00
1021476	10/24/2024	PRTD	11252	ROSERUSH SERVICES LL	60181 6144	58589	08/27/2024	102424		1,650.00
	Invoice: 6144								Shelter Pro Upgrade FY24/25	
				1,650.00	0100-20-200-15-00-510150-				Software Subscription	
							CHECK	1021476	TOTAL:	1,650.00

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CASH ACCOUNT: 0000-00-000-00-00-100010-					Cash10755				
CHECK NO	CHK DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
					DOCUMENT	INVOICE DTL	DESC		
1021477	10/24/2024	PRTD	537 SEAN CAUDILLO	60085	Per Diem 10/22/24	10/22/2024		102424	338.00
Invoice: Per Diem 10/22/24				58496					
				338.00	0100-20-200-14-00-510505-	POLICE-Per diem CAI #301			
						Travel			
						CHECK	1021477	TOTAL:	338.00
1021478	10/24/2024	PRTD	7658 SEIU LOCAL 521	59982	10/18/2024	10/18/2024		102424	647.30
Invoice: 10/18/2024				58394					
				632.30	0100-00-000-00-00-205145-	warrant 101824 DUES			
				15.00	0100-00-000-00-00-205145-	Association Dues Payable			
						Association Dues Payable			
						CHECK	1021478	TOTAL:	647.30
1021479	10/24/2024	PRTD	35 SHAFTER POLICE OFFIC	59972	10/18/2024	10/18/2024		102424	1,240.00
Invoice: 10/18/2024				58384					
				1,240.00	0100-00-000-00-00-205145-	warrant 101824 DUES			
						Association Dues Payable			
						CHECK	1021479	TOTAL:	1,240.00
1021480	10/24/2024	PRTD	15015 SHAFTER TRUE VALUE I	60011	2410-190525	10/16/2024		102424	2.67
Invoice: 2410-190525				58423					
				2.67	5101-50-400-24-00-510200-	SHOP - HILLMAN FASTNERS			
						Repairs & Maintenance			
					60012	2410-190524			
Invoice: 2410-190524				58424		10/16/2024		102424	34.83
				34.83	5101-50-400-24-00-510202-	SHOP - DIAMOND POINT/POINTSET			
						Hardware & Tools			
					60013	2410-190649			
Invoice: 2410-190649				58425		10/17/2024		102424	33.24
				33.24	0100-30-400-25-33-510200-	PARKS - VETERASN'S - PVC CEMENT			
						Repairs & Maintenance			
					60042	2410-190220			
Invoice: 2410-190220				58454		10/14/2024		102424	98.65
				98.65	5002-40-400-20-00-510200-	WATER - COUPLING/ADAPTER/VALVE/ELBOW			
						Repairs & Maintenance			
					60043	2410-190565			
Invoice: 2410-190565				58455		10/16/2024		102424	53.60
				53.60	0100-30-400-25-33-510200-	PARKS - VETERASNS - PVC COUPLING			
						Repairs & Maintenance			
					60062	2410-191459			
						10/21/2024		102424	107.23

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		VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
		DOCUMENT		INVOICE	DTL	DESC		
Invoice: 2410-191459		58473						
	107.23	0100-30-400-25-33-510202-		PARKS - VETERAN'S - SHOVEL				
				Hardware & Tools				
		60064	2410-191453		10/21/2024	102424		90.09
		58475						
Invoice: 2410-191453				POLICE - RANGE HOUSE - CEILING FAN				
	90.09	0100-20-200-14-00-510001-		Departmental Supplies				
		60069	2410-188027		10/02/2024	102424		32.14
		58480						
Invoice: 2410-188027				STREETS - DECORATIONS - 2x4x12 WOOD				
	32.14	0100-10-100-01-00-510802-		Community Promotion				
		60096	2410-191487		10/21/2024	102424		7.50
		58506						
Invoice: 2410-191487				STREETS - 2x4x10 WOOD				
	7.50	0100-40-400-19-02-510200-		Repairs & Maintenance				
		60101	2410-191463		10/21/2024	102424		32.93
		58511						
Invoice: 2410-191463				WATER - BUSHING/ADAPTERS/COUPLING				
	32.93	5002-40-400-20-00-510200-		Repairs & Maintenance				
		60140	2410-190188		10/14/2024	102424		20.90
		58550						
Invoice: 2410-190188				WASTE WATER #416 - DURA 16PK AA BATTERY				
	20.90	5000-40-400-21-00-510300-		Vehicle Operations				
		60141	2410-190917		10/18/2024	102424		24.66
		58552						
Invoice: 2410-190917				WASTE WATER #416 - PRO COBWEB BRUSH				
	24.66	5000-40-400-21-00-510300-		Vehicle Operations				
		60143	2410-191682		10/22/2024	102424		64.24
		58553						
Invoice: 2410-191682				STREETS - 60LB CONCRETE MIX				
	64.24	0100-40-400-19-02-510001-		Departmental Supplies				
		60144	2410-191620		10/22/2024	102424		7.50
		58554						
Invoice: 2410-191620				STREETS - 2x4x10 WOOD				
	7.50	0100-40-400-19-02-510200-		Repairs & Maintenance				
		60145	2410-188929		10/07/2024	102424		21.61
		58555						
Invoice: 2410-188929				PARK - SKATE - HILLMAN FASTNERS				
	21.61	0100-30-400-25-36-510200-		Repairs & Maintenance				
CHECK 1021480 TOTAL:								631.79

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL		DESC		
1021481	10/24/2024	PRTD	1277	PDQ INTERMEDIATE, IN	59994 PDQ-30392 58406		10/17/2024	20250097	102424	1,190.00
Invoice: PDQ-30392				680.00	0100-20-200-14-00-510150-	Smart Deploy - Imaging Software for PD		Getac MDCs		
				510.00	5103-50-500-29-00-510150-	Software Subscription		Software Subscription		
						CHECK	1021481	TOTAL:		1,190.00
1021482	10/24/2024	PRTD	12276	SOAPMAN OF KERN COUN	60035 68758 58447		10/03/2024		102424	99.34
Invoice: 68758				99.34	5101-50-400-24-00-510001-	SHOP - SCENT/TOWEL		Departmental Supplies		
						CHECK	1021482	TOTAL:		99.34
1021483	10/24/2024	PRTD	332	SPAY NEUTER IMPERATI	60166 7011A 58575		09/01/2024		102424	3,750.00
Invoice: 7011A				3,750.00	0100-20-200-55-00-510124-	October Spay Neuter Clinic		Spay/Neuter Expenses		
					60168 7011B 58576		09/01/2024		102424	3,750.00
Invoice: 7011B				3,750.00	0100-20-200-55-00-510111-	October Spay Neuter Clinic #2		Vet Care Services		
						CHECK	1021483	TOTAL:		7,500.00
1021484	10/24/2024	PRTD	14779	STANDARD PLUMBING SU	60006 XNDN83 58418		10/17/2024		102424	21.43
Invoice: XNDN83				21.43	0100-40-400-19-02-510001-	STREETS - GLOVE TECHNIC NS450 MED		Departmental Supplies		
					60007 XNCZ61 58419		10/17/2024		102424	111.33
Invoice: XNCZ61				111.33	5002-40-400-20-00-510200-	WATER - TAPER CARD/BELL/CAP/NOZZLE/ELL		Repairs & Maintenance		
					60008 XNBN48 58420		10/16/2024		102424	13.05
Invoice: XNBN48				13.05	5101-50-400-24-00-510001-	SHOP - VINGAR/BAKING SODA		Departmental Supplies		
					60009 XMZN70 58421		10/16/2024		102424	68.43
Invoice: XMZN70				68.43	0100-30-400-25-00-510001-	PARKS - HM IND ASSORT		Departmental Supplies		
					60010 XNB743		10/16/2024		102424	8.94

City of Shafter A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
Invoice: XNB743				58422						
	8.94	0100-30-400-25-33-510200-				PARKS - VETERANS - PVC CPLG SxS				
				60036	XNG732	Repairs & Maintenance				
				58448			10/18/2024		102424	40.59
Invoice: XNG732										
	40.59	0100-30-400-25-33-510200-				PARKS - VETERAN'S COUPLING/PIPE				
				60037	XNGM40	Repairs & Maintenance				
				58449			10/18/2024		102424	26.80
Invoice: XNGM40										
	26.80	0100-30-400-25-00-510200-				PARKS - CHAIN				
				60065	XNH905	Repairs & Maintenance				
				58476			10/18/2024		102424	8.94
Invoice: XNH905										
	8.94	0100-30-400-25-33-510200-				PARKS - VETERAN'S - 2" PVC CPLG SxS				
				60066	XNHJ57	Repairs & Maintenance				
				58477			10/18/2024		102424	40.74
Invoice: XNHJ57										
	40.74	5002-40-400-20-00-510202-				WATER - LBMN PSHBRM CONTRACTR 24"				
				60067	XNHF55	Hardware & Tools				
				58478			10/18/2024		102424	17.24
Invoice: XNHF55										
	17.24	0100-40-400-19-02-510200-				STREETS - HM IND ADDORT/DRY LUBE 9.3 oz				
				60068	XNHC22	Repairs & Maintenance				
				58479			10/18/2024		102424	96.51
Invoice: XNHC22										
	96.51	0100-40-400-19-02-510200-				STREETS - CLASSIC BYPASS 32" LOPPER WL64				
				60086	XNNJ47	Repairs & Maintenance				
				58497			10/22/2024		102424	121.09
Invoice: XNNJ47										
	121.09	0100-20-200-14-00-510001-				POLICE-Property room supplies				
				60102	XNNN33	Departmental Supplies				
				58512			10/22/2024		102424	34.31
Invoice: XNNN33										
	34.31	0100-30-400-25-51-510200-				PARKS - DOWNTOWN - MGNUM SOLID BODY 2" SHCK				
				60116	XNPP42	Repairs & Maintenance				
				58526			10/22/2024		102424	67.50
Invoice: XNPP42										
	67.50	5100-50-405-28-17-510205-				MCCF - CN SCRW/DOORSTOP FM DOME				
				60126	XNR904	Building Repair & Maintenance				
				58536			10/23/2024		102424	26.80
Invoice: XNR904										
						PARKS - BLADE SET METAL 8PC				

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL	DESC			
				26.80	0100-30-400-25-00-510200-		Repairs & Maintenance			
				60127	XNR418	10/23/2024		102424		27.86
				58537						
Invoice:	XNR418									
				27.86	0100-20-200-14-00-510001-		POLICE - RANGE - GOJO ORG W/PUMICE/TOILET BOWL BRS			
							Departmental Supplies			
				60128	XNR409	10/23/2024		102424		27.86
				58538						
Invoice:	XNR409									
				27.86	0100-20-200-14-00-510001-		POLICE - RANGE - TOILET BOWL/GOJO ORG			
							Departmental Supplies			
				60146	XNRC64	10/23/2024		102424		20.37
				58556						
Invoice:	XNRC64									
				20.37	5100-50-405-28-15-510205-		ANIMAL CONTROL - BARFLAT ANDAL			
							Building Repair & Maintenance			
				60147	XNRC44	10/23/2024		102424		49.29
				58557						
Invoice:	XNRC44									
				49.29	5100-50-405-28-17-510205-		MCCF - CANE BOLT			
							Building Repair & Maintenance			
				60183	XMMN18	10/11/2024		102424		13.51
				58591						
Invoice:	XMMN18									
				13.51	0100-20-200-15-00-510001-		HM IND Assorted			
							Departmental Supplies			
				60184	XGQ860	08/23/2024		102424		12.84
				58592						
Invoice:	XGQ860									
				12.84	0100-20-200-15-00-510001-		Key Replacement			
							Departmental Supplies			
							CHECK	1021484	TOTAL:	855.43
1021485	10/24/2024	PRTD	11486	STATEWIDE TRAFFIC SA	60121	12019994	10/22/2024	102424		95.47
					58531					
Invoice:	12019994									
				95.47	0100-40-400-19-02-510200-		STREETS - GRACO FLUID TSL 8oz BOTTLE			
							Repairs & Maintenance			
							CHECK	1021485	TOTAL:	95.47
1021486	10/24/2024	PRTD	452	STINSON STATIONERS	60172	298483-0	08/22/2024	102424		521.59
					58580					
Invoice:	298483-0									
				521.59	0100-20-200-15-00-510001-		Toner			
							Departmental Supplies			
					60174	303795-0	09/26/2024	102424		256.89
					58582					
Invoice:	303795-0									
				256.89	0100-20-200-15-00-510001-		PPE & Cleaning Supplies			
							Departmental Supplies			

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
							CHECK	1021486	TOTAL:	778.48
1021487	10/24/2024	PRTD	6132	SUN COUNTRY FLOWERS	60099 7343727		09/30/2024		102424	102.42
				58509						
				Invoice: 7343727						
				102.42	0100-10-100-01-00-510802-					
				60100 7343704			09/25/2024		102424	171.60
				58510						
				Invoice: 7343704						
				171.60	0100-10-100-01-00-510802-					
							CHECK	1021487	TOTAL:	274.02
1021488	10/24/2024	PRTD	30	TERMINIX INTERNATIONAL	60182 451886671		09/23/2024		102424	133.00
				58590						
				Invoice: 451886671						
				133.00	0100-20-200-15-00-510100-					
							CHECK	1021488	TOTAL:	133.00
1021489	10/24/2024	PRTD	293	THE GAS CO - SO CA G	60139 13769182026	OCT 24	10/17/2024		102424	33.34
				58549						
				Invoice: 13769182026		OCT 24				
				33.34	0100-20-200-15-00-510708-		NATURAL GAS CHARGES			
									Natural Gas	
				60142 01071606139		OCT 24	10/18/2024		102424	14.79
				58551						
				Invoice: 01071606139		OCT 24				
				14.79	0100-30-400-25-52-510708-		NATURAL GAS CHARGES			
									Natural Gas	
				60151 01291631008		OCT 24	10/18/2024		102424	11.21
				58561						
				Invoice: 01291631008		OCT 24				
				11.21	0100-20-200-14-00-510708-		NATURAL GAS CHARGES			
									Natural Gas	
				60153 08851631484		OCT 24	10/18/2024		102424	98.02
				58563						
				Invoice: 08851631484		OCT 24				
				98.02	0100-30-400-25-55-510708-		NATURAL GAS CHARGES			
									Natural Gas	
				60154 17671633000		OCT 24	10/18/2024		102424	14.79
				58564						
				Invoice: 17671633000		OCT 24				
				14.79	5101-50-400-24-00-510708-		NATURAL GAS CHARGES			
									Natural Gas	
				60156 17881633006		OCT 24	10/18/2024		102424	50.73
				58565						

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
DOCUMENT						INVOICE DTL	DESC			
Invoice: 17881633006 OCT 24						NATURAL GAS CHARGES				
	50.73	5101-50-400-24-00-510708-	Natural Gas							
						CHECK	1021489	TOTAL:		222.88
1021490	10/24/2024	PRTD	9884	HD SUPPLY, INC	60038 INV00507711	10/08/2024	102424			240.35
					58450					
Invoice: INV00507711						WATER - TUBE ASSEMBLY				
	240.35	5002-40-400-20-00-510204-	Equipment Repair							
					60039 DINV00508464	10/09/2024	102424			1,069.28
					58451					
Invoice: DINV00508464						WATER - KOP KIT PVC				
	1,069.28	5002-40-400-20-00-510001-	Departmental Supplies							
						CHECK	1021490	TOTAL:		1,309.63
1021491	10/24/2024	PRTD	1101	VESTIS GROUP, INC. (	59996 2601663592	10/17/2024	102424			369.84
					58408					
Invoice: 2601663592						ALL PW'S - UNIFORM SERVICES				
	29.59	0100-30-400-25-00-500502-	Uniform & Equipment Allowance							
	7.42	5101-50-400-24-00-500502-	Uniform & Equipment Allowance							
	17.73	5101-50-400-24-00-510001-	Departmental Supplies							
	139.34	0100-40-400-19-02-500502-	Uniform & Equipment Allowance							
	1.82	5006-40-400-23-00-500502-	Uniform & Equipment Allowance							
	34.50	5000-40-400-21-00-500502-	Uniform & Equipment Allowance							
	136.91	5002-40-400-20-00-500502-	Uniform & Equipment Allowance							
	2.53	5101-50-400-24-00-500502-	Uniform & Equipment Allowance							
						CHECK	1021491	TOTAL:		369.84
1021492	10/24/2024	PRTD	592	WYNN-SMITH LANDSCAPE	60049 3301	10/15/2024	102424			4,600.00
					58461					
Invoice: 3301						SLLC Wynn Landscaping				
	4,600.00	0100-30-300-04-00-510400-	Professional Services							
						CHECK	1021492	TOTAL:		4,600.00

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

NUMBER OF CHECKS 71 *** CASH ACCOUNT TOTAL *** 468,217.69

	COUNT	AMOUNT
TOTAL PRINTED CHECKS	66	374,807.09
TOTAL WIRE TRANSFERS	3	90,456.46
TOTAL EFT'S	2	2,954.14

*** GRAND TOTAL *** 468,217.69

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED
CLERK: 5292blopez

YEAR	PER	JNL	SRC ACCOUNT	EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
2025	4	630										
APP	0100-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		205,797.38	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0000-00-000-00-00-100010-			10/24/2024	102424	102424			Cash: Mission Bank Acct#10755			468,217.69
									AP CASH DISBURSEMENTS JOURNAL			
APP	5003-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		27.21	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5102-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		37.98	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5000-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		307.88	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5101-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		444.86	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5103-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		189,418.43	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5002-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		67,388.10	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5100-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		3,640.23	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0305-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		441.39	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0810-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		8.81	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0811-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		324.48	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5001-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		22.47	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0812-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		52.77	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5004-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		303.88	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5006-00-000-00-00-205000-			10/24/2024	102424	102424			Accts Payable		1.82	
									AP CASH DISBURSEMENTS JOURNAL			
GENERAL LEDGER TOTAL											468,217.69	468,217.69
APP	0000-00-000-00-00-209001-			10/24/2024	102424	102424			Due To 0100 - Gen Fund		205,797.38	
APP	0100-00-000-00-00-109000-			10/24/2024	102424	102424			Due From Funds - Cash Pool			205,797.38
APP	0000-00-000-00-00-209039-			10/24/2024	102424	102424			Due To 5003 - Transit Operat		27.21	
APP	5003-00-000-00-00-109000-			10/24/2024	102424	102424			Due From Funds - Cash Pool			27.21
APP	0000-00-000-00-00-209048-			10/24/2024	102424	102424			Due To 5102 - Risk Management		37.98	
APP	5102-00-000-00-00-109000-								Due From Funds - Cash Pool			37.98

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

YEAR PER SRC ACCOUNT	JNL EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
APP 0000-00-000-00-00-209036-	10/24/2024	102424	102424			Due To 5000 - Wastewtr Operat		307.88	
APP 5000-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			307.88
APP 0000-00-000-00-00-209047-	10/24/2024	102424	102424			Due To 5101 - Vehicle Maint		444.86	
APP 5101-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			444.86
APP 0000-00-000-00-00-209049-	10/24/2024	102424	102424			Due To 5103 - Info Tech		189,418.43	
APP 5103-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			189,418.43
APP 0000-00-000-00-00-209038-	10/24/2024	102424	102424			Due To 5002 - Water Operat		67,388.10	
APP 5002-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			67,388.10
APP 0000-00-000-00-00-209046-	10/24/2024	102424	102424			Due To 5100 - Facility Maint		3,640.23	
APP 5100-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			3,640.23
APP 0000-00-000-00-00-209019-	10/24/2024	102424	102424			Due To 0305 - Traffic Mit		441.39	
APP 0305-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			441.39
APP 0000-00-000-00-00-209034-	10/24/2024	102424	102424			Due To 0810 - LLMD - 001-1998		8.81	
APP 0810-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			8.81
APP 0000-00-000-00-00-209035-	10/24/2024	102424	102424			Due To 0811 - LLMD - 001-2009		324.48	
APP 0811-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			324.48
APP 0000-00-000-00-00-209037-	10/24/2024	102424	102424			Due To 5001 - Refuse Operat		22.47	
APP 5001-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			22.47
APP 0000-00-000-00-00-209055-	10/24/2024	102424	102424			Due To 0812 - DTLL1-2021		52.77	
APP 0812-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			52.77
APP 0000-00-000-00-00-209040-	10/24/2024	102424	102424			Due To 5004 - Telecom Operat		303.88	
APP 5004-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			303.88
APP 0000-00-000-00-00-209042-	10/24/2024	102424	102424			Due To 5006 - Rail Operat		1.82	
APP 5006-00-000-00-00-109000-	10/24/2024	102424	102424			Due From Funds - Cash Pool			1.82

City of Shafter
A/P CASH DISBURSEMENTS JOURNAL
JOURNAL ENTRIES TO BE CREATED

YEAR PER JNL	SRC ACCOUNT	JNL DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC	T OB	DEBIT	CREDIT
	EFF						LINE DESC			
SYSTEM GENERATED ENTRIES TOTAL									468,217.69	468,217.69
JOURNAL 2025/04/630 TOTAL									936,435.38	936,435.38

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
0000	Pooled Cash Fund	2025	4	630	10/24/2024			
	0000-00-000-00-00-100010-					Cash: Mission Bank Acct#10755		468,217.69
	0000-00-000-00-00-209001-					Due To 0100 - Gen Fund	205,797.38	
	0000-00-000-00-00-209019-					Due To 0305 - Traffic Mit	441.39	
	0000-00-000-00-00-209034-					Due To 0810 - LLMD - 001-1998	8.81	
	0000-00-000-00-00-209035-					Due To 0811 - LLMD - 001-2009	324.48	
	0000-00-000-00-00-209036-					Due To 5000 - Wastewtr Operat	307.88	
	0000-00-000-00-00-209037-					Due To 5001 - Refuse Operat	22.47	
	0000-00-000-00-00-209038-					Due To 5002 - Water Operat	67,388.10	
	0000-00-000-00-00-209039-					Due To 5003 - Transit Operat	27.21	
	0000-00-000-00-00-209040-					Due To 5004 - Telecom Operat	303.88	
	0000-00-000-00-00-209042-					Due To 5006 - Rail Operat	1.82	
	0000-00-000-00-00-209046-					Due To 5100 - Facility Maint	3,640.23	
	0000-00-000-00-00-209047-					Due To 5101 - Vehicle Maint	444.86	
	0000-00-000-00-00-209048-					Due To 5102 - Risk Management	37.98	
	0000-00-000-00-00-209049-					Due To 5103 - Info Tech	189,418.43	
	0000-00-000-00-00-209055-					Due To 0812 - DTLL1-2021	52.77	
						FUND TOTAL	468,217.69	468,217.69
0100	General Fund	2025	4	630	10/24/2024			
	0100-00-000-00-00-109000-					Due From Funds - Cash Pool		205,797.38
	0100-00-000-00-00-205000-					Accts Payable	205,797.38	
						FUND TOTAL	205,797.38	205,797.38
0305	Traffic Mitigation	2025	4	630	10/24/2024			
	0305-00-000-00-00-109000-					Due From Funds - Cash Pool		441.39
	0305-00-000-00-00-205000-					Accts Payable	441.39	
						FUND TOTAL	441.39	441.39
0810	LLMD - 001-1998	2025	4	630	10/24/2024			
	0810-00-000-00-00-109000-					Due From Funds - Cash Pool		8.81
	0810-00-000-00-00-205000-					Accts Payable	8.81	
						FUND TOTAL	8.81	8.81
0811	LLMD - 001-2009	2025	4	630	10/24/2024			
	0811-00-000-00-00-109000-					Due From Funds - Cash Pool		324.48
	0811-00-000-00-00-205000-					Accts Payable	324.48	
						FUND TOTAL	324.48	324.48
0812	LLMD - 001-2021	2025	4	630	10/24/2024			
	0812-00-000-00-00-109000-					Due From Funds - Cash Pool		52.77
	0812-00-000-00-00-205000-					Accts Payable	52.77	
						FUND TOTAL	52.77	52.77

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
5000 Wastewater Operations 5000-00-000-00-00-109000- 5000-00-000-00-00-205000-	2025	4	630	10/24/2024	Due From Funds - Cash Pool Accts Payable	307.88	307.88
					FUND TOTAL	307.88	307.88
5001 Refuse Operations 5001-00-000-00-00-109000- 5001-00-000-00-00-205000-	2025	4	630	10/24/2024	Due From Funds - Cash Pool Accts Payable	22.47	22.47
					FUND TOTAL	22.47	22.47
5002 Water Operations 5002-00-000-00-00-109000- 5002-00-000-00-00-205000-	2025	4	630	10/24/2024	Due From Funds - Cash Pool Accts Payable	67,388.10	67,388.10
					FUND TOTAL	67,388.10	67,388.10
5003 Transit Operations 5003-00-000-00-00-109000- 5003-00-000-00-00-205000-	2025	4	630	10/24/2024	Due From Funds - Cash Pool Accts Payable	27.21	27.21
					FUND TOTAL	27.21	27.21
5004 Telecommunications Operations 5004-00-000-00-00-109000- 5004-00-000-00-00-205000-	2025	4	630	10/24/2024	Due From Funds - Cash Pool Accts Payable	303.88	303.88
					FUND TOTAL	303.88	303.88
5006 Rail Operations 5006-00-000-00-00-109000- 5006-00-000-00-00-205000-	2025	4	630	10/24/2024	Due From Funds - Cash Pool Accts Payable	1.82	1.82
					FUND TOTAL	1.82	1.82
5100 Facility Maintenance 5100-00-000-00-00-109000- 5100-00-000-00-00-205000-	2025	4	630	10/24/2024	Due From Funds - Cash Pool Accts Payable	3,640.23	3,640.23
					FUND TOTAL	3,640.23	3,640.23
5101 Vehicle Maintenance 5101-00-000-00-00-109000- 5101-00-000-00-00-205000-	2025	4	630	10/24/2024	Due From Funds - Cash Pool Accts Payable	444.86	444.86
					FUND TOTAL	444.86	444.86

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
5102	Risk Management	2025	4	630	10/24/2024			
	5102-00-000-00-00-109000-					Due From Funds - Cash Pool		37.98
	5102-00-000-00-00-205000-					Accts Payable	37.98	
						FUND TOTAL	37.98	37.98
5103	Information Technology	2025	4	630	10/24/2024			
	5103-00-000-00-00-109000-					Due From Funds - Cash Pool		189,418.43
	5103-00-000-00-00-205000-					Accts Payable	189,418.43	
						FUND TOTAL	189,418.43	189,418.43

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	DUE TO	DUE FR
0000 Pooled Cash Fund	468,217.69	
0100 General Fund		205,797.38
0305 Traffic Mitigation		441.39
0810 LLMD - 001-1998		8.81
0811 LLMD - 001-2009		324.48
0812 LLMD - 001-2021		52.77
5000 Wastewater Operations		307.88
5001 Refuse Operations		22.47
5002 Water Operations		67,388.10
5003 Transit Operations		27.21
5004 Telecommunications Operations		303.88
5006 Rail Operations		1.82
5100 Facility Maintenance		3,640.23
5101 Vehicle Maintenance		444.86
5102 Risk Management		37.98
5103 Information Technology		189,418.43
TOTAL	468,217.69	468,217.69

** END OF REPORT - Generated by Brenda Lopez **

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

Cash10755
VOUCHER INVOICE INV DATE PO WARRANT NET

				DOCUMENT	INVOICE	DTL	DESC		
19	10/25/2024	EFT	14359	BUSINESS SOLVER	59983 MED 11/24 58395	10/18/2024	102524	185,450.00	
Invoice: MED 11/24				183,625.00	0100-00-000-00-00-205132-	warrant 101824 NOVEMBER 2024 PREMIUMS			
				-805.00	0100-10-140-10-00-500800-CHNGS	Health Insurance Payable			
				759.00	0100-20-200-14-00-500700-	Health Insurance			
				199.60	0100-10-125-06-00-500700-	OPEB - Health Insurance			
				199.60	5002-40-400-20-00-500700-	OPEB - Health Insurance			
				399.20	0100-40-400-19-02-500700-	OPEB - Health Insurance			
				199.60	5000-40-400-21-00-500700-	OPEB - Health Insurance			
				998.00	0100-40-400-18-00-500700-	OPEB - Health Insurance			
				-125.00	0100-10-110-03-00-500800-	Health Insurance			
								CHECK	19 TOTAL: 185,450.00
20	10/25/2024	EFT	876	FIRE RISK MANAGEMENT	59977 DENTAL/VISION 11/24 58389	10/18/2024	102524	13,084.07	
Invoice: DENTAL/VISION 11/24				11,047.62	0100-00-000-00-00-205133-	warrant 101824 NOVEMBER 2024 PREMIUMS			
				9.85	0100-10-125-06-00-500700-	Dental Insurance Payable			
				9.85	5002-40-400-20-00-500700-	OPEB - Health Insurance			
				19.70	0100-40-400-19-02-500700-	OPEB - Health Insurance			
				9.85	5000-40-400-21-00-500700-	OPEB - Health Insurance			
				49.23	0100-40-400-18-00-500700-	OPEB - Health Insurance			
				-122.80	0100-10-140-10-00-500801-CHNGS	Dental Insurance			
				-154.41	0100-20-200-14-00-500700-	OPEB - Health Insurance			
				-75.40	0100-10-110-03-00-500801-	Dental Insurance			
				63.96	0100-10-110-03-00-500801-	Dental Insurance			
				2,252.28	0100-00-000-00-00-205135-	Vision Insurance Payable			
				1.59	0100-10-125-06-00-500700-	OPEB - Health Insurance			
				1.59	5002-40-400-20-00-500700-	OPEB - Health Insurance			
				3.18	0100-40-400-19-02-500700-	OPEB - Health Insurance			
				1.59	5000-40-400-21-00-500700-	OPEB - Health Insurance			
				7.94	0100-40-400-18-00-500700-	OPEB - Health Insurance			
				-41.55	0100-10-140-10-00-500802-CHNGS	Vision Insurance			
				-23.76	0100-20-200-14-00-500700-	OPEB - Health Insurance			
				23.76	0100-10-110-03-00-500802-	Vision Insurance			
								CHECK	20 TOTAL: 13,084.07
1544	10/21/2024	WIRE	936	PUBLIC EMPL RETIREME	59978 58390 58390	10/18/2024	102524	87,981.50	
Invoice: 58390				24,977.63	0100-00-000-00-00-205142-	warrant 101824-092724.101124			
				31,567.81	0100-00-000-00-00-205142-	Pension Contri Payable			
				21,520.31	0100-00-000-00-00-205142-	Pension Contri Payable			
				9,915.75	0100-00-000-00-00-205142-	Pension Contri Payable			

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED
CLERK: 5292blopez

YEAR	PER	JNL	SRC ACCOUNT	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
	EFF DATE										
2025	4	656									
APP	0100-00-000-00-00-205000-							Accts Payable		430,794.21	
	10/25/2024	102524		102524				AP CASH DISBURSEMENTS JOURNAL			
APP	0000-00-000-00-00-100010-							Cash: Mission Bank Acct#10755			452,118.34
	10/25/2024	102524		102524				AP CASH DISBURSEMENTS JOURNAL			
APP	5002-00-000-00-00-205000-							Accts Payable		211.04	
	10/25/2024	102524		102524				AP CASH DISBURSEMENTS JOURNAL			
APP	5000-00-000-00-00-205000-							Accts Payable		211.04	
	10/25/2024	102524		102524				AP CASH DISBURSEMENTS JOURNAL			
APP	0200-00-000-00-00-205000-							Accts Payable		20,902.05	
	10/25/2024	102524		102524				AP CASH DISBURSEMENTS JOURNAL			
								GENERAL LEDGER TOTAL		452,118.34	452,118.34
APP	0000-00-000-00-00-209001-							Due To 0100 - Gen Fund		430,794.21	
	10/25/2024	102524		102524							
APP	0100-00-000-00-00-109000-							Due From Funds - Cash Pool			430,794.21
	10/25/2024	102524		102524							
APP	0000-00-000-00-00-209038-							Due To 5002 - Water Operat		211.04	
	10/25/2024	102524		102524							
APP	5002-00-000-00-00-109000-							Due From Funds - Cash Pool			211.04
	10/25/2024	102524		102524							
APP	0000-00-000-00-00-209036-							Due To 5000 - Wastewtr Operat		211.04	
	10/25/2024	102524		102524							
APP	5000-00-000-00-00-109000-							Due From Funds - Cash Pool			211.04
	10/25/2024	102524		102524							
APP	0000-00-000-00-00-209002-							Due To 0200 - Federal Grant		20,902.05	
	10/25/2024	102524		102524							
APP	0200-00-000-00-00-109000-							Due From Funds - Cash Pool			20,902.05
	10/25/2024	102524		102524							
								SYSTEM GENERATED ENTRIES TOTAL		452,118.34	452,118.34
								JOURNAL 2025/04/656 TOTAL		904,236.68	904,236.68

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
0000	Pooled Cash Fund	2025	4	656	10/25/2024			
	0000-00-000-00-00-100010-					Cash: Mission Bank Acct#10755		452,118.34
	0000-00-000-00-00-209001-					Due To 0100 - Gen Fund	430,794.21	
	0000-00-000-00-00-209002-					Due To 0200 - Federal Grant	20,902.05	
	0000-00-000-00-00-209036-					Due To 5000 - Wastewtr Operat	211.04	
	0000-00-000-00-00-209038-					Due To 5002 - Water Operat	211.04	
						FUND TOTAL	452,118.34	452,118.34
0100	General Fund	2025	4	656	10/25/2024			
	0100-00-000-00-00-109000-					Due From Funds - Cash Pool		430,794.21
	0100-00-000-00-00-205000-					Accts Payable	430,794.21	
						FUND TOTAL	430,794.21	430,794.21
0200	Federal Grant	2025	4	656	10/25/2024			
	0200-00-000-00-00-109000-					Due From Funds - Cash Pool		20,902.05
	0200-00-000-00-00-205000-					Accts Payable	20,902.05	
						FUND TOTAL	20,902.05	20,902.05
5000	Wastewater Operations	2025	4	656	10/25/2024			
	5000-00-000-00-00-109000-					Due From Funds - Cash Pool		211.04
	5000-00-000-00-00-205000-					Accts Payable	211.04	
						FUND TOTAL	211.04	211.04
5002	Water Operations	2025	4	656	10/25/2024			
	5002-00-000-00-00-109000-					Due From Funds - Cash Pool		211.04
	5002-00-000-00-00-205000-					Accts Payable	211.04	
						FUND TOTAL	211.04	211.04

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	DUE TO	DUE FR
0000 Pooled Cash Fund	452,118.34	
0100 General Fund		430,794.21
0200 Federal Grant		20,902.05
5000 Wastewater Operations		211.04
5002 Water Operations		211.04
TOTAL	452,118.34	452,118.34

** END OF REPORT - Generated by Brenda Lopez **

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

VOUCHER INVOICE

Cash10755

INV DATE

PO

WARRANT

NET

DOCUMENT					INVOICE	DTL	DESC		
1550	10/23/2024	WIRE	897	RAMP BUSINESS CORPOR	60217	OCTOBER 2024	10/23/2024	103124	27,852.33
					58626				

Invoice: OCTOBER 2024

DOCUMENT					INVOICE	DTL	DESC		
					OCTOBER	P-CARD	STATEMENT		
							Classroom Supplies		
							Office Supplies		
							Software Subscription		
							Community Promotion		
							Training		
							Training		
							Training		
							Travel		
							Training		
							Software Subscription		
							Office Supplies		
							Office Supplies		
							Office Supplies		
							Departmental Supplies		
							Software Subscription		
							Medical Supplies		
							Training		
							Training		
							Training		
							Training		
							Training		
							Software Subscription		
							Community Promotion		
							Departmental Supplies		
							Training		
							Training		
							Training		
							Office Supplies		
							Departmental Supplies		
							Departmental Supplies		
							Departmental Supplies		
							Travel		
							Postage & Freight		
							Departmental Supplies		
							Refuse		
							Travel		
							Travel		
							Training		
							Vehicle Operations		
							Travel		
							Postage & Freight		
							Vehicle Operations		
							Vehicle Operations		
							Vehicle Operations		
							Training		
							Classroom Supplies		
							Software Subscription		
							Training		
							Training		

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

Cash10755

				VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL		DESC	
				847.25	0100-30-300-04-00-510000-			Office Supplies	
				143.06	0100-20-200-14-00-510001-			Departmental Supplies	
				228.03	0100-20-200-14-00-510001-			Departmental Supplies	
				866.88	0100-10-145-13-00-510505-			Travel	
				810.88	0100-10-145-13-00-510505-			Travel	
				20.00	0100-30-300-04-00-510150-			Software Subscription	
				59.52	0100-10-100-01-00-510802-			Community Promotion	
				400.00	0100-10-100-01-00-510802-			Community Promotion	
				6.48	0100-10-100-01-00-510802-			Community Promotion	
				35.00	0100-10-135-09-00-510106-			Subscriptions & Dues	
				80.00	0100-10-100-01-00-510802-			Community Promotion	
				621.00	0100-10-100-01-00-510802-			Community Promotion	
				25.00	0100-30-300-04-00-510150-			Software Subscription	
				29.58	0100-20-200-55-00-510012-			Medical Supplies	
				468.51	0100-10-135-09-00-510116-			Employee Dev & Reten (SEDAC)	
				192.64	0100-10-100-01-00-510501-			Training	
				74.50	5003-40-140-12-00-510000-			Office Supplies	
				.99	0100-40-400-18-00-510150-			Software Subscription	
				96.45	0100-20-200-55-00-510012-			Medical Supplies	
				53.92	0100-10-100-01-00-510802-			Community Promotion	
				142.27	0100-10-100-01-00-510802-			Community Promotion	
				32.70	5103-50-500-29-00-510001-			Departmental Supplies	
				151.47	5103-50-500-29-00-510150-			Software Subscription	
				15.00	0100-20-200-14-00-510300-			Vehicle Operations	
				114.88	0100-30-300-04-00-510016-			Classroom Supplies	
				73.79	5103-50-500-31-00-510001-			Departmental Supplies	
				223.93	0100-10-135-09-00-510116-			Employee Dev & Reten (SEDAC)	
				48.29	0100-30-300-04-00-510016-			Classroom Supplies	
				11.28	0100-30-300-04-00-510501-			Training	
				82.82	0100-20-200-55-00-510012-			Medical Supplies	
				16.95	0100-30-300-04-00-510501-			Training	
				71.98	0100-40-400-18-00-510001-			Departmental Supplies	
				148.32	0100-10-135-09-00-510116-			Employee Dev & Reten (SEDAC)	
				48.70	0100-20-200-15-00-510001-			Departmental Supplies	
				8.50	0100-30-300-04-00-510501-			Training	
				72.41	0100-10-135-09-00-510116-			Employee Dev & Reten (SEDAC)	
				417.59	0100-20-200-55-00-510012-			Medical Supplies	
				154.65	0100-20-200-55-00-510012-			Medical Supplies	
				150.00	0100-10-140-10-00-510106-			Subscriptions & Dues	
				100.00	0100-10-110-03-00-510501-			Training	
				200.00	0100-10-100-01-00-510501-			Training	
				350.00	0100-40-400-18-00-510501-			Training	
				2.10	0100-30-300-04-00-510501-			Training	
				11.20	0100-30-300-04-00-510501-			Training	
				135.00	0100-10-140-10-00-510501-			Training	
				550.00	5002-40-400-20-00-510501-			Training	
				12.95	0100-30-300-04-00-510501-			Training	
				.99	0100-40-400-18-00-510150-			Software Subscription	
				295.00	0100-30-300-04-00-510501-			Training	
				38.00	0100-30-300-04-00-510016-			Classroom Supplies	
				39.30	0100-30-300-04-00-510016-			Classroom Supplies	
				72.55	0100-40-400-18-00-510501-			Training	

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

Cash10755

				VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL		DESC	
				72.55	0100-40-400-18-00-510501-			Training	
				92.60	0100-20-200-14-00-510001-			Departmental Supplies	
				37.86	0100-20-200-14-00-510001-			Departmental Supplies	
				15.00	0100-20-200-14-00-510300-			Vehicle Operations	
				- .01	0100-20-200-14-00-510001-			Departmental Supplies	
				35.18	0100-10-110-03-00-510001-			Departmental Supplies	
				198.40	0100-10-110-03-00-510001-			Departmental Supplies	
				207.00	0100-10-135-09-00-510106-			Subscriptions & Dues	
				50.00	0100-10-145-13-00-510807-			Regulatory & Permitting	
				146.11	0100-10-140-10-00-510001-			Departmental Supplies	
				65.15	0100-20-200-15-00-510001-			Departmental Supplies	
				-125.00	0100-20-200-14-00-510505-			Travel	
				20.00	0100-10-135-09-00-510106-			Subscriptions & Dues	
				594.72	0100-20-200-14-00-510505-			Travel	
				306.89	0100-20-200-15-00-510001-			Departmental Supplies	
				3,500.00	0100-10-125-06-00-510150-			Software Subscription	
				975.00	0100-10-125-06-00-510150-			Software Subscription	
				135.00	0100-20-200-14-00-510501-			Training	
				918.00	0100-20-200-14-00-510501-			Training	
				18.95	0100-30-300-04-00-510150-			Software Subscription	
				204.58	0100-10-100-01-00-510501-			Training	
				9.50	0100-20-200-15-00-510115-			Recruitment	
				830.00	0100-10-140-10-00-510501-			Training	
				111.00	0100-10-145-13-00-510106-			Subscriptions & Dues	
				20.00	0100-10-135-09-00-510300-			Vehicle Operations	
				24.46	0100-10-110-03-00-510300-			Vehicle Operations	
				40.69	0100-10-135-09-00-510501-			Training	
				52.61	0100-10-135-09-00-510001-			Departmental Supplies	
				20.00	0100-10-135-09-00-510106-			Subscriptions & Dues	
				20.00	0100-10-135-09-00-510106-			Subscriptions & Dues	
				286.83	0100-20-200-15-00-510100-			Service Agreements	
				263.84	0100-20-200-14-00-510001-			Departmental Supplies	
				63.45	0100-10-135-09-00-510116-			Employee Dev & Reten (SEDAC)	
				62.72	0100-20-200-14-00-510000-			Office Supplies	
				38.56	0100-30-300-04-00-510001-			Departmental Supplies	
				20.00	0100-40-400-18-00-510150-			Software Subscription	
				425.00	0100-20-200-14-00-510400-			Professional Services	
								CHECK	1550 TOTAL: 27,852.33

1021494 10/31/2024 PRD 193 ABC HEALTH PROFESSIO 60057 EM019960
58467

Invoice: EM019960

10/10/2024 103124 750.10

Open Enrollment Flu Clinic
Professional Services
Professional Services
Professional Services
Professional Services
Professional Services
Professional Services
Professional Services
Professional Services
Professional Services

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

CASH ACCOUNT: 0000-00-000-00-00-100010-					Cash10755					
CHECK NO	CHK DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET	
DOCUMENT						INVOICE DTL DESC				
			39.48	5103-50-500-29-00-510400-				Professional Services		
			19.74	0100-40-400-18-00-510400-				Professional Services		
			19.74	5002-40-400-20-00-510400-				Professional Services		
			19.74	5000-40-400-21-00-510400-				Professional Services		
			49.35	0100-40-400-19-02-510400-				Professional Services		
			49.33	0100-30-400-25-00-510400-				Professional Services		
						CHECK	1021494	TOTAL:	750.10	
1021495	10/31/2024	PRTD	1182	AEP CALIFORNIA LLC	60083	INV0035511	10/21/2024	103124	27,883.20	
		Invoice: INV0035511			58494					
			27,883.20	0100-60-200-14-00-570100-				POLICE-Outfit equipment for new unit #247		
								Automotive Equipment		
					60287	INV0035726	10/24/2024	103124	27,972.58	
		Invoice: INV0035726			58693					
			27,972.58	0100-60-200-14-00-570100-				POLICE-Outfit equipment for new patrol unit # 243		
								Automotive Equipment		
						CHECK	1021495	TOTAL:	55,855.78	
1021496	10/31/2024	PRTD	14652	AMAZON CAPITAL SERVI	60222	1KTY-39YD-7F9D	10/24/2024	103124	19.28	
		Invoice: 1KTY-39YD-7F9D			58631					
			19.28	5101-50-400-24-00-510300-				SHOP - ROCKER SWITCH		
								Vehicle Operations		
					60223	1WM9-K6CG-74TG	10/24/2024	103124	51.34	
		Invoice: 1WM9-K6CG-74TG			58632					
			10.26	5101-50-400-24-00-510001-				ALL PW'S - COFFEE/CREAMER		
			10.27	5002-40-400-20-00-510001-				Departmental Supplies		
			10.27	0100-30-400-25-00-510001-				Departmental Supplies		
			10.27	5000-40-400-21-00-510001-				Departmental Supplies		
			10.27	0100-40-400-19-02-510001-				Departmental Supplies		
					60284	16GT-QQ6Q-4GJR	10/24/2024	103124	31.19	
		Invoice: 16GT-QQ6Q-4GJR			58690					
			31.19	0100-20-200-14-00-510001-				POLICE-OttetBox iphone case #267		
								Departmental Supplies		
					60285	1CLR-9GX3-TYD1	10/24/2024	103124	193.02	
		Invoice: 1CLR-9GX3-TYD1			58691					
			193.02	0100-20-200-14-00-510202-				POLICE-3 Motorola radios for fleet		
								Hardware & Tools		
					60299	IRJW-J1HF-FMXC	10/29/2024	103124	39.63	
		Invoice: IRJW-J1HF-FMXC			58705					
			39.63	0100-20-200-14-00-510001-				POLICE-Trunk or treat Halloween lights		
								Departmental Supplies		

City of Shafter A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC		
				60307 58714	1C3G-RW47-VCC4	10/24/2024		103124	72.70
Invoice: 1C3G-RW47-VCC4				72.70	0100-10-100-01-00-510802-	Harvest Festival Supplies	Community Promotion		
						CHECK	1021496	TOTAL:	407.16
1021497	10/31/2024	PRTD	1394	AMERICAN BUSINESS MA	60298 58704	771232	10/24/2024	103124	278.89
Invoice: 771232				55.78	0100-10-100-01-00-510100-	City Hall workroom MFP - Canon iR Adv C7565i	Service Agreements		
				55.78	0100-10-110-03-00-510100-	Service Agreements	Service Agreements		
				55.78	0100-10-120-05-00-510100-	Service Agreements	Service Agreements		
				55.78	0100-10-125-06-00-510100-	Service Agreements	Service Agreements		
				55.77	0100-10-145-13-00-510100-	Service Agreements	Service Agreements		
						CHECK	1021497	TOTAL:	278.89
1021498	10/31/2024	PRTD	920	ANGEL RODRIGUEZ	60292 58698	Per diem 10/28/24	10/28/2024	103124	94.50
Invoice: Per diem 10/28/24				94.50	0100-20-200-14-00-510505-FENT	POLICE-Per diem for Fent Investigation course #316	Travel		
						CHECK	1021498	TOTAL:	94.50
1021499	10/31/2024	PRTD	12466	AT&T CALNET 3	60203 58611	9391012267 OCT 24	10/17/2024	103124	65.38
Invoice: 9391012267 OCT 24				65.38	0100-30-300-04-00-510701-	PHONE CHARGES	Communications		
				60290 58696	9391064477 OCT 24	10/25/2024	103124	286.21	
Invoice: 9391064477 OCT 24				286.21	0100-20-200-14-00-510701-	POLICE-Phone charges	Communications		
						CHECK	1021499	TOTAL:	351.59
1021500	10/31/2024	PRTD	908	BAKERSFIELD RUBBER S	60205 58613	57903	10/16/2024	103124	38.86
Invoice: 57903				9.72	5000-40-400-21-00-510001-	CITY OF SHAFTER STAMPS FOR LOCKBOX	Departmental Supplies		
				9.72	5001-40-400-22-00-510001-	Departmental Supplies	Departmental Supplies		
				19.42	5002-40-400-20-00-510001-	Departmental Supplies	Departmental Supplies		
						CHECK	1021500	TOTAL:	38.86

City of Shafter A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

CASH ACCOUNT: 0000-00-000-00-00-100010-					Cash10755					
CHECK NO	CHK	DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET
						DOCUMENT	INVOICE DTL	DESC		
1021506	10/31/2024	PRTD	14335	CORE & MAIN LP	60354	V826664	10/18/2024		103124	2,359.50
Invoice: V826664					58760					
					2,359.50	5002-40-400-20-00-510200-	WATER - 4x84 GALV STL NIPPLE TOE BID SEQ #10			
									Repairs & Maintenance	
							CHECK	1021506	TOTAL:	2,359.50
1021507	10/31/2024	PRTD	10992	CREATIVE CONCEPTS	60282	63286	10/23/2024		103124	347.82
Invoice: 63286					58688					
					347.82	0100-20-200-14-00-510000-	POLICE-Business cards for #330, 331, and 332			
									Office Supplies	
							CHECK	1021507	TOTAL:	347.82
1021508	10/31/2024	PRTD	9887	DOOLEY ENTERPRISES I	60271	68877	10/11/2024	20250089	103124	5,290.28
Invoice: 68877					58677					
					5,290.28	0100-20-200-14-00-510001-	POLICE-9mm 147gr. Full Metal Jacket, 2G 9 Pellets			
									Departmental Supplies	
							CHECK	1021508	TOTAL:	5,290.28
1021509	10/31/2024	PRTD	249	EDGAR DAVALOS	60296	Per diem 10/28/24	10/28/2024		103124	156.75
Invoice: Per diem 10/28/24					58702					
					156.75	0100-20-200-14-00-510505-	POLICE-Critical Incident Response #293			
									Travel	
							CHECK	1021509	TOTAL:	156.75
1021510	10/31/2024	PRTD	158	FARM PUMP & IRRIGATI	60358	I0016436	10/15/2024		103124	19.40
Invoice: I0016436					58764					
					19.40	0100-30-400-25-33-510200-	VETERN'S PARK - PVC NIP TBE/ELL SxT			
									Repairs & Maintenance	
							CHECK	1021510	TOTAL:	19.40
1021511	10/31/2024	PRTD	14044	FASTENAL COMPANY	60239	CABAE28699	10/25/2024	20250036	103124	84.16
Invoice: CABAE28699					58645					
					16.84	0100-40-400-19-02-510000-	ALL PW'S - VENDING MACHINE SUPPLIES			
					16.83	0100-30-400-25-00-510001-	Office Supplies			
					16.83	5000-40-400-21-00-510001-	Departmental Supplies			
					16.83	5002-40-400-20-00-510000-	Departmental Supplies			
					16.83	5101-50-400-24-00-510001-	Office Supplies			
							Departmental Supplies			

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE	DTL	DESC		
						CHECK	1021511	TOTAL:	84.16	
1021512	10/31/2024	PRTD	5903	FERGUSON ENTERPRISES	60347 0013850-1	10/14/2024		103124		190.83
				58753						
				Invoice: 0013850-1						
				190.83	5002-40-400-20-00-510200-	WATER - DBL BRS STRP				
						Repairs & Maintenance				
						CHECK	1021512	TOTAL:	190.83	
1021513	10/31/2024	PRTD	12171	FGL ENVIRONMENTAL	60258 448036A	10/23/2024		103124		614.00
				58664						
				Invoice: 448036A						
				614.00	5002-40-400-20-00-510905-	BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						10/23/2024		103124		233.00
				Invoice: 448243A						
				233.00	5002-40-400-20-00-510905-	BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						10/23/2024		103124		195.00
				Invoice: 448244A						
				195.00	5002-40-400-20-00-510905-	BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						10/23/2024		103124		245.00
				Invoice: 448245A						
				245.00	5002-40-400-20-00-510905-	BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						10/23/2024		103124		233.00
				Invoice: 448428A						
				233.00	5002-40-400-20-00-510905-	BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						10/23/2024		103124		157.00
				Invoice: 448429A						
				157.00	5002-40-400-20-00-510905-	BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						10/25/2024		103124		155.00
				Invoice: 448431A						
				155.00	5002-40-400-20-00-510905-	BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						10/28/2024		103124		155.00
				Invoice: 448246A						
				155.00	5002-40-400-20-00-510905-	BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						10/28/2024		103124		80.00
				Invoice: 448257A						

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
Invoice: 448257A				58768						
	80.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
				60364	448258A					
				58770		10/28/2024	103124		680.00	
Invoice: 448258A										
	680.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
				60365	448259A					
				58771		10/28/2024	103124		230.00	
Invoice: 448259A										
	230.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
				60366	448430A					
				58772		10/28/2024	103124		197.00	
Invoice: 448430A										
	197.00	5002-40-400-20-00-510905-				BACTERIOLOGICAL TESTING FOR WATER SYSTEM				
						Water Testing/Samples				
						CHECK	1021513	TOTAL:	3,174.00	
1021514	10/31/2024	PRTD	14647	FINISHLINE SIGNS	60265	14373	07/30/2024	103124	100.00	
					58671					
Invoice: 14373										
	100.00	0100-20-200-14-00-510001-				POLICE-Bike design and install				
				60270	14535					
				58676		09/18/2024	103124		562.13	
Invoice: 14535										
	562.13	0100-20-200-14-00-510300-				POLICE-2 door decals unit #161				
				60275	14609					
				58681		10/21/2024	103124		772.13	
Invoice: 14609										
	772.13	0100-60-200-14-00-570100-				POLICE-New graphics for new patrol unit #243				
						Automotive Equipment				
						CHECK	1021514	TOTAL:	1,434.26	
1021515	10/31/2024	PRTD	939	GIOVANNI PEREZ	60302	125NOINV10252024	10/25/2024	103124	150.88	
					58708					
Invoice: 125NOINV10252024										
	150.88	0100-10-125-06-00-510505-				Mileage Reimbursement - CALED Keys Course				
						Travel				
						CHECK	1021515	TOTAL:	150.88	
1021516	10/31/2024	PRTD	3799	GRIFFITH COMPANY	60152	30104002	09/30/2024	103124	73,985.89	
					58562					
Invoice: 30104002										
	73,985.89					2024 RMRA - ROAD IMPROVEMENT PROJECT				

City of Shafter A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

CASH ACCOUNT: 0000-00-000-00-00-100010-				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET	
CHECK NO	CHK DATE	TYPE	VENDOR NAME								
DOCUMENT						INVOICE DTL DESC					
E ST00039.24-50						-525	-0207				
0207-60-400-19-02-580100-						Capital Prj.- Infrastructure					
						CHECK	1021516	TOTAL:	73,985.89		
1021517	10/31/2024	PRTD	14666	HD SUPPLY CONSTRUCTI	60349	10020712456	10/22/2024	103124	250.93		
Invoice: 10020712456					58755	STREETS - 36x1-1/2 FLAST DOMESTIC STEEL STAKE					
					250.93	0100-40-400-19-02-510200-	Repairs & Maintenance				
					60350	50028849744	10/22/2024	103124	1,100.86		
Invoice: 50028849744					58756	STREETS - ROTARY HAMMER					
					1,100.86	0100-40-400-19-02-510121-	Streetlight Repair and Maint.				
						CHECK	1021517	TOTAL:	1,351.79		
1021518	10/31/2024	PRTD	15464	HECTOR'S PLUMBING	60230	23-1783	10/16/2024	103124	300.00		
Invoice: 23-1783					58639	WATER - REPAIR AT 1710 SPRUCE HAVEN ST					
					300.00	5002-40-400-20-00-510200-	Repairs & Maintenance				
						CHECK	1021518	TOTAL:	300.00		
1021519	10/31/2024	PRTD	2	HITCHCOCK'S AUTO PAR	60277	7446-410371	10/23/2024	103124	924.32		
Invoice: 7446-410371					58683	POLICE-Mini flares					
					924.32	0100-20-200-14-00-510001-	Departmental Supplies				
					60303	7446-410220	10/21/2024	103124	97.15		
Invoice: 7446-410220					58709	WATER #324 - 3/8" SKTWRNSET					
					97.15	5002-40-400-20-00-510202-	Hardware & Tools				
					60304	7446-410474	10/25/2024	103124	8.98		
Invoice: 7446-410474					58710	SHOP - ELECTRICAL ACCESSORY					
					8.98	5101-50-400-24-00-510300-	Vehicle Operations				
					60305	7446-410258	10/22/2024	103124	35.56		
Invoice: 7446-410258					58711	SHOP - 3/8 6P DPSKT ST-MM					
					35.56	5101-50-400-24-00-510202-	Hardware & Tools				
					60306	7446-410257	10/22/2024	103124	61.27		
Invoice: 7446-410257					58712	STREETS #114 - OIL 0w20/OIL FILTER/AIR FILTER					
					61.27	0100-40-400-19-02-510300-	Vehicle Operations				

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
				60308	7446-410259		10/22/2024		103124	45.26
				58713						
Invoice: 7446-410259										
	45.26	0100-30-400-25-00-510300-				PARKS #54 - ANTIFRZ DEX-COOL F/S				
						Vehicle Operations				
				60309	7446-410587		10/28/2024		103124	44.83
				58715						
Invoice: 7446-410587										
	44.83	0100-20-200-14-00-510300-				POLICE #201 - OIL FILTER/OIL 5W20/AIR FILTER				
						Vehicle Operations				
				60310	7446-410585		10/28/2024		103124	231.75
				58716						
Invoice: 7446-410585										
	231.75	0100-30-400-25-00-510300-				PARKS #41 - BATTERY/POST BATT CLEANER				
						Vehicle Operations				
						CHECK	1021519	TOTAL:		1,449.12
1021520	10/31/2024	PRTD	9993 JACQUELINE DE LA TOR	60210	NO INV 10/15/24		10/15/2024		103124	59.85
				58618						
Invoice: NO INV 10/15/24										
	59.85	0100-10-140-10-00-510505-				BUSINESS MEETING IN ANAHEIM REIMBURSEMENT				
						Travel				
						CHECK	1021520	TOTAL:		59.85
1021521	10/31/2024	PRTD	48 JAMES YORK	60295	Per diem 10/28/24		10/28/2024		103124	156.75
				58701						
Invoice: Per diem 10/28/24										
	156.75	0100-20-200-14-00-510505-				POLICE-Per diem Critical Incidents Response #290				
						Travel				
						CHECK	1021521	TOTAL:		156.75
1021522	10/31/2024	PRTD	109 JIM BURKE FORD	60215	1593380		10/24/2024		103124	743.07
				58624						
Invoice: 1593380										
	743.07	0100-20-200-14-00-510300-				POLICE #181 - ROTOR KITS/ROTOR PADS				
						Vehicle Operations				
						CHECK	1021522	TOTAL:		743.07
1021523	10/31/2024	PRTD	12272 JOHNSON CONTROLS SEC	60272	40665166		10/12/2024		103124	345.31
				58678						
Invoice: 40665166										
	345.31	0100-20-200-14-00-510100-				POLICE-Quarterly billing				
						Service Agreements				
						CHECK	1021523	TOTAL:		345.31

City of Shafter A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL		DESC	
1021524	10/31/2024	PRTD	938 JOSE LANUZA	60293 58699	Per diem 10/28/24	10/28/2024		103124	94.50
Invoice: Per diem 10/28/24				94.50	0100-20-200-14-00-510505-FENT	POLICE-Per diem for Fent Investigation course #317 Travel			
						CHECK	1021524	TOTAL:	94.50
1021525	10/31/2024	PRTD	1237 JUVENAL HERRERA	60214 58623	10/28/2024	10/28/2024		103124	1,100.00
Invoice: 10/28/2024				1,100.00	0100-20-200-14-00-500502-	PD Uniform and Equipment Allowance Uniform & Equipment Allowance			
						CHECK	1021525	TOTAL:	1,100.00
1021526	10/31/2024	PRTD	1951 KERN CO DISTRICT ATT	60078 58489	2324_Shafter	10/15/2024		103124	13,302.63
Invoice: 2324_Shafter				13,302.63	0100-20-200-14-00-510120-	POLICE-FY 23-24 DUI Billing DUI Crime Lab			
						CHECK	1021526	TOTAL:	13,302.63
1021527	10/31/2024	PRTD	12379 KERN PRINT SERVICES	60276 58682	53514	10/22/2024		103124	473.97
Invoice: 53514				473.97	0100-20-200-14-00-510000-	POLICE-Overtime forms Office Supplies			
						CHECK	1021527	TOTAL:	473.97
1021528	10/31/2024	PRTD	229 KERN TURF INC	60213 58622	SI2418754	10/24/2024		103124	350.93
Invoice: SI2418754				23.90	0100-30-400-25-00-510202-	PARKS - SHOVELS/VALVE/COUPLING/NIPPLE Hardware & Tools			
				327.03	0100-30-400-25-00-510200-	Repairs & Maintenance			
						CHECK	1021528	TOTAL:	350.93
1021529	10/31/2024	PRTD	11309 KIMBALL MIDWEST	60332 58738	102724220	10/22/2024		103124	22.79
Invoice: 102724220				22.79	5101-50-400-24-00-510200-	SHOP - GM/FORD/CHRY 14-12 TERM Repairs & Maintenance			
						CHECK	1021529	TOTAL:	22.79

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

CASH ACCOUNT: 0000-00-000-00-00-100010-					Cash10755					
CHECK NO	CHK DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET	
DOCUMENT						INVOICE DTL DESC				
1021530	10/31/2024	PRTD	15063 MB APPRAISALS INC.	60137 58547	164-24	10/16/2024		103124	8,250.00	
Invoice: 164-24			8,250.00	0100-10-125-06-00-510400-		City Property Appraisals: Old Corp Yard, Alley Pro Professional Services				
						CHECK	1021530	TOTAL:	8,250.00	
1021531	10/31/2024	PRTD	9992 O'REILLY AUTOMOTIVE	60318 58724	2947-377609	10/22/2024		103124	17.71	
Invoice: 2947-377609			17.71	0100-40-400-19-02-510300-		STREETS #114 - CABIN FILTER Vehicle Operations				
				60319 58725	2947-377846	10/24/2024		103124	8.57	
Invoice: 2947-377846			8.57	5101-50-400-24-00-510001-		SHOP - 4PK AAA BATTERY Departmental Supplies				
				60320 58726	2947-377487	10/21/2024		103124	17.67	
Invoice: 2947-377487			17.67	5101-50-400-24-00-510200-		SHOP - PRIMARY WIRE/RING TERMINL Repairs & Maintenance				
				60321 58727	2947-277471	10/21/2024		103124	10.09	
Invoice: 2947-277471			10.09	0100-20-200-14-00-510300-		POLICE #161 - CABIN FILTER Vehicle Operations				
				60322 58728	2947-377893	10/24/2024		103124	10.09	
Invoice: 2947-377893			10.09	0100-20-200-14-00-510300-		POLICE #181 - CABIN FILTER Vehicle Operations				
				60323 58729	2947-377844	10/24/2024		103124	68.76	
Invoice: 2947-377844			68.76	0100-20-200-14-00-510300-		POLICE #181 - AIR FILTER/OIL FILTER/MOTOR OIL Vehicle Operations				
				60324 58730	2947-377587	10/22/2024		103124	121.18	
Invoice: 2947-377587			121.18	0100-30-400-25-00-510300-		PARKS #55 - TAIL LGT ASY Vehicle Operations				
				60325 58731	2947-378461	10/28/2024		103124	50.71	
Invoice: 2947-378461			50.71	0100-30-400-25-00-510300-		PARKS #41 - LIFT SUPPORT Vehicle Operations				
				60326 58732	2947-378475	10/28/2024		103124	15.36	
Invoice: 2947-378475				PARKS #54 - RESERVIOR CP						

City of Shafter

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755 INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL		DESC	
				15.36	0100-30-400-25-00-510300-			Vehicle Operations	
				60327	2947-378522	10/28/2024		103124	11.96
				58733					
Invoice: 2947-378522									
				11.96	0100-20-200-14-00-510300-			POLICE #201 - CABIN FILTER Vehicle Operations	
								CHECK 1021531 TOTAL:	332.10
1021532 10/31/2024 PRTD	21	OFFICE DEPOT BUSINES	60198	388190805001		10/12/2024		103124	59.15
				58606					
Invoice: 388190805001									
				19.71	0100-10-110-03-00-510000-	11x17 Cardstock		Office Supplies	
				19.72	0100-10-110-65-00-510000-			Office Supplies	
				19.72	0100-10-125-06-00-510000-			Office Supplies	
				60199	390189577001	10/15/2024		103124	-5.38
				58607					
Invoice: 390189577001									
				-5.38	0100-10-110-03-00-510000-	Credit: Double Sided Tape		Office Supplies	
				60204	388170186001	10/14/2024		103124	482.79
				58612					
Invoice: 388170186001									
				103.81	0100-10-100-01-00-510000-	City Hall Printing Paper & Workroom Office Supp			
				18.53	0100-10-110-03-00-510000-	Office Supplies			
				20.83	0100-10-120-05-00-510000-	Office Supplies			
				20.84	0100-10-110-65-00-510000-	Office Supplies			
				20.85	0100-10-125-06-00-510000-	Office Supplies			
				21.91	0100-10-135-09-00-510000-	Office Supplies			
				65.72	0100-10-140-10-00-510000-	Office Supplies			
				87.63	0100-10-145-13-00-510000-	Office Supplies			
				83.24	0100-10-405-26-00-510000-	Office Supplies			
				39.43	0100-10-405-27-00-510000-	Office Supplies			
				60274	391271729001	10/15/2024		103124	250.71
				58680					
Invoice: 391271729001									
				250.71	0100-20-200-14-00-510000-	POLICE-Copy paper		Office Supplies	
								CHECK 1021532 TOTAL:	787.27
1021533 10/31/2024 PRTD	761	PACE ANALYTICAL SERV	60124	2427B503797		09/18/2024		103124	5,540.00
				58534					
Invoice: 2427B503797									
				5,540.00	5002-40-400-20-00-510905-	WATER - BACTERIOLOGICAL TESTING		Water Testing/Samples	
								CHECK 1021533 TOTAL:	5,540.00

City of Shafter

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
1021534	10/31/2024	PRTD	4	PACIFIC GAS & ELECTR	60158 58567	9331257574-4	OCT 24	10/14/2024	103124	34,998.08
Invoice: 9331257574-4				OCT 24						
			34,998.08	5002-40-400-20-00-510707-			ELECTRICAL CHARGES			
							Power			
					60176 58584	2243057089-9	OCT 24	10/14/2024	103124	5,719.31
Invoice: 2243057089-9				OCT 24						
							ELECTRICAL CHARGES			
			48.33	0100-40-400-19-04-510707-			Power			
			48.33	0100-40-400-19-04-510707-			Power			
			364.20	0808-40-400-19-04-510707-			Power			
			2.81	0801-40-400-19-04-510707-			Power			
			45.67	0100-40-400-19-04-510707-			Power			
			18.65	0801-40-400-19-04-510707-			Power			
			23.05	0100-40-400-19-04-510707-			Power			
			37.93	0802-40-400-19-04-510707-			Power			
			60.67	0100-40-400-19-04-510707-			Power			
			20.96	0100-40-400-19-04-510707-			Power			
			22.77	0807-40-400-19-04-510707-			Power			
			11.52	0100-40-400-19-04-510707-			Power			
			5.91	0100-40-400-19-04-510707-			Power			
			50.37	0804-40-400-19-04-510707-			Power			
			816.61	0100-40-400-19-04-510707-			Power			
			1,015.91	0100-40-400-19-04-510707-			Power			
			372.10	0100-40-400-19-04-510707-			Power			
			174.81	0100-40-400-19-04-510707-			Power			
			741.70	0100-40-400-19-04-510707-			Power			
			11.84	0100-40-400-19-04-510707-			Power			
			845.82	0100-40-400-19-04-510707-			Power			
			21.24	0100-40-400-19-04-510707-			Power			
			57.96	0100-40-400-19-04-510707-			Power			
			720.54	0100-40-400-19-04-510707-			Power			
			3.97	0100-40-400-19-04-510707-			Power			
			103.13	0100-40-400-19-04-510707-			Power			
			72.51	0100-40-400-19-04-510707-			Power			
					60208 58616	4050510296-8	OCT 24	10/17/2024	103124	23.82
Invoice: 4050510296-8				OCT 24						
			23.82	5002-40-400-20-00-510707-			ELECTRICAL CHARGES			
							Power			
					60209 58617	9935199881-2	OCT 24	10/17/2024	103124	83.85
Invoice: 9935199881-2				OCT 24						
			83.85	0100-40-400-19-04-510707-			ELECTRICAL CHARGES			
							Power			
					60245 58651	2201390425-9	OCT 24	10/21/2024	103124	1,182.48
Invoice: 2201390425-9				OCT 24						
			1,182.48	5000-40-400-21-00-510707-			ELECTRICAL CHARGES			
							Power			

City of Shafter

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
				60246 58652	1389756191-9	OCT 24	10/22/2024		103124	35.13
Invoice: 1389756191-9 OCT 24										
	35.13	5000-40-400-21-00-510707-				ELECTRICAL CHARGES	Power			
				60247 58653	4926360563-3	OCT 24	10/22/2024		103124	329.55
Invoice: 4926360563-3 OCT 24										
	329.55	5000-40-400-21-00-510707-				ELECTRICAL CHARGES	Power			
				60315 58721	8311850023-6	OCT 24	10/22/2024		103124	188.80
Invoice: 8311850023-6 OCT 24										
	188.80	5000-40-400-21-00-510707-				ELECTRICAL CHARGES	Power			
				CHECK	1021534	TOTAL:				42,561.02
1021535	10/31/2024	PRTD	11867	PACIFIC TIRE	60283 58689	40604	10/08/2024		103124	27.68
Invoice: 40604										
	27.68	5003-40-140-12-00-510303-				Dial-a-Ride Repair Flat Unit # TE-24	Vehicle Operations- Tires			
				60286 58692	40284		10/25/2024		103124	27.14
Invoice: 40284										
	27.14	5003-40-140-12-00-510303-				Dial-a-ride repair flat Unit #26	Vehicle Operations- Tires			
				60300 58706	40252		10/22/2024		103124	1,200.00
Invoice: 40252										
	1,200.00	0100-20-200-14-00-510300-				POLICE #161 - NEW TIRES/DISMOUNT & MOUNT	Vehicle Operations			
				60301 58707	42170		10/28/2024		103124	20.00
Invoice: 42170										
	20.00	0100-20-200-14-00-510300-				POLICE #201 - TIRE ROTATION	Vehicle Operations			
				CHECK	1021535	TOTAL:				1,274.82
1021536	10/31/2024	PRTD	7815	PROFORCE LAW ENFORCE	60288 58694	560265	10/25/2024	20250022	103124	1,616.09
Invoice: 560265										
	1,616.09	0100-20-200-14-00-510001-				POLICE-6 EXT TMW VCS FO CARRIER	Departmental Supplies			
				60289 58695	560259		10/25/2024	20250009	103124	2,424.13
Invoice: 560259										
	2,424.13	0100-20-200-14-00-510001-				POLICE-9 CARRIER DN6840 NAVY BLUE	Departmental Supplies			

City of Shafter A/P CASH DISBURSEMENTS JOURNAL

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
							CHECK	1021536	TOTAL:	4,040.22
1021537	10/31/2024	PRTD	1230	REMEDIAL TRANSPORTAT	60123 049120		10/22/2024	20250057	103124	59,870.90
					58533					
				Invoice: 049120						
				59,870.90						
					E WA00017 -50 -525					
					5002-60-400-20-00-580100-ARPA	-5002				
									Capital Prj.- Infrastructure	
							CHECK	1021537	TOTAL:	59,870.90
1021538	10/31/2024	PRTD	276	RICHLAND CHEVROLET	60330 164863		10/22/2024		103124	271.67
					58736					
				Invoice: 164863						
				271.67	0100-30-400-25-00-510300-					
									PARKS #54 - HOSE/TANK	
									Vehicle Operations	
							CHECK	1021538	TOTAL:	271.67
1021539	10/31/2024	PRTD	8241	RLH FIRE PROTECTION	60356 10012117		10/25/2024		103124	80.00
					58762					
				Invoice: 10012117						
				80.00	0100-30-300-04-00-510100-				SLLC Fire Alarm	
									Service Agreements	
							CHECK	1021539	TOTAL:	80.00
1021540	10/31/2024	PRTD	264	RICHARD SALAZAR JR	60090 2024-704		10/02/2024	20250092	103124	6,050.00
					58501					
				Invoice: 2024-704						
				6,050.00	5100-50-405-28-17-510205-				MCCF - REPAIR EMERGENCY EXIT LIGHTS	
									Building Repair & Maintenance	
							CHECK	1021540	TOTAL:	6,050.00
1021541	10/31/2024	PRTD	6355	SHAFTER AUTO BODY &	60297 000274		10/28/2024		103124	1,865.63
					58703					
				Invoice: 000274						
				1,865.63	0100-60-200-14-00-570100-				POLICE-Paint doors for new patrol unit #242	
									Automotive Equipment	
							CHECK	1021541	TOTAL:	1,865.63
1021542	10/31/2024	PRTD	15015	SHAFTER TRUE VALUE I	60243 2410-190504		10/16/2024		103124	110.60
					58649					
				Invoice: 2410-190504						
				110.60	5002-40-400-20-00-510202-				WATER - TIE DOWN/TIRE INFLATOR/PLUG/SPRAYER	
									Hardware & Tools	
					60367 2410-191952		10/24/2024		103124	15.00
					58773					

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CHECK NO CHK DATE TYPE VENDOR NAME

CASH ACCOUNT: 0000-00-000-00-00-100010-						Cash10755				
CHECK NO	CHK DATE	TYPE	VENDOR NAME	VOUCHER	INVOICE	INV DATE	PO	WARRANT	NET	
DOCUMENT						INVOICE DTL	DESC			
Invoice: 2410-191952		15.00	0100-30-400-25-32-510200-	60368	2410-191535	10/21/2024	103124	PARKS - KIRSCHENMANN - 4x3 FLEXIBLE COUPLING Repairs & Maintenance	4.02	
				58774						
Invoice: 2410-191535		4.02	5101-50-400-24-00-510200-	60369	2410-191677	10/22/2024	103124	SHOP - HILLMAN FASTNERS Repairs & Maintenance	91.60	
				58775						
Invoice: 2410-191677		91.60	5002-40-400-20-00-510200-	60370	2410-191683	10/22/2024	103124	WATER - SPRAY PAINT/PRIMER Repairs & Maintenance	77.43	
				58776						
Invoice: 2410-191683		77.43	5002-40-400-20-00-510001-	60371	2410-191962	10/24/2024	103124	WATER - TOWEL/BRUSH/CLIP/PAIL/TRAP Departmental Supplies	77.85	
				58777						
Invoice: 2410-191962		11.99	5002-40-400-20-00-510001-	60372	2410-191967	10/24/2024	103124	WATER - CAULK GUN/PIPE/SEALANT/ADAPTER/ELBOW Departmental Supplies	51.17	
		65.86	5002-40-400-20-00-510200-	58778				Repairs & Maintenance		
Invoice: 2410-191967		51.17	5002-40-400-20-00-510200-					WATER - ADAPTER/EII/ELBOW/COUPLING Repairs & Maintenance		
									CHECK 1021542 TOTAL: 427.67	
1021543	10/31/2024	PRTD	14509 SHAFTER WASCO PUBLIS	60357	3564	10/24/2024	103124		669.90	
Invoice: 3564		669.90	0100-10-145-13-00-510104-	58763				Ordinance Summary 759 Mission Lakes Development Advertising		
									CHECK 1021543 TOTAL: 669.90	
1021544	10/31/2024	PRTD	1203 SMART FIBER NETWORKS	60087	1187	10/04/2024	20250033	103124	71,920.00	
Invoice: 1187		71,920.00			58498			Design Engineering Project - Smart Fiber Networks		
				E IT00003 -20	-200	-5004				
				5004-60-500-30-01-580100-	Capital Prj.- Infrastructure					
									CHECK 1021544 TOTAL: 71,920.00	

City of Shafter

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CHECK NO CHK DATE TYPE VENDOR NAME

				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT		INVOICE DTL	DESC			
Invoice: XNZG14				58670		STREETS - BOLT EYE/STRAPS/PLSTC BUCKET				
	33.48	0100-40-400-19-02-510200-				Repairs & Maintenance				
	19.77	0100-40-400-19-02-510001-				Departmental Supplies				
				60266	XNW527	10/24/2024		103124		144.32
				58672						
Invoice: XNW527						STREETS - RSTP BLCK GL/PAINT BRSH/PNT TRAY				
	144.32	0100-40-400-19-02-510202-				Hardware & Tools				
				60269	XNZL55	10/25/2024		103124		14.56
				58675						
Invoice: XNZL55						STREETS - ROPE/BOLT EYE				
	14.56	0100-40-400-19-02-510202-				Hardware & Tools				
				60278	XNTT30	10/23/2024		103124		20.33
				58684						
Invoice: XNTT30						WATER - OUTLET BOX 1G 1/2"/ADAPTER TERMINAL PVC				
	20.33	5002-40-400-20-00-510200-				Repairs & Maintenance				
				60280	XNTG03	10/23/2024		103124		21.44
				58686						
Invoice: XNTG03						STREETS - HOT BOX - CORD EXT 50FT 16/3 BLK				
	21.44	0100-40-400-19-02-510001-				Departmental Supplies				
				60291	XPDP901	10/28/2024		103124		10.71
				58697						
Invoice: XPDP901						POLICE-Glue				
	10.71	0100-20-200-14-00-510000-				Office Supplies				
				60311	XPFH95	10/28/2024		103124		19.89
				58717						
Invoice: XPFH95						PARKS - SPRING SNAP/KEY RINGS/KEYS				
	19.89	0100-30-400-25-00-510001-				Departmental Supplies				
				60312	XPFH37	10/28/2024		103124		5.97
				58718						
Invoice: XPFH37						STREETS - CORN BRACE/PANIT BSH CHIP				
	5.97	0100-40-400-19-02-510001-				Departmental Supplies				
				60313	XPFG85	10/28/2024		103124		-10.29
				58719						
Invoice: XPFG85						STREETS - ROPE				
	-10.29	0100-40-400-19-02-510200-				Repairs & Maintenance				
				60341	XP998	10/29/2024		103124		85.76
				58747						
Invoice: XP998						STREETS - TRUFUEL				
	85.76	0100-40-400-19-02-510001-				Departmental Supplies				
				60342	XPGX49	10/29/2024		103124		55.75
				58748						

City of Shafter

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE DTL	DESC				
Invoice: XPGX49				55.75	0100-30-400-25-33-510200-	VETERNAS PARKS - PVC MOODY UNION/VALVE BOX Repairs & Maintenance				
						CHECK	1021546	TOTAL:		595.89
1021547	10/31/2024	PRTD	30	TERMINIX INTERNATION	60314 452717249		10/14/2024		103124	107.00
Invoice: 452717249					58720	POLICE-Pest control services Oct 24 Service Agreements				
				107.00	0100-20-200-14-00-510100-					
					60355 452715989		10/04/2024		103124	79.00
Invoice: 452715989					58761	SLLC Pest Control Service Agreements				
				79.00	0100-30-300-04-00-510100-					
						CHECK	1021547	TOTAL:		186.00
1021548	10/31/2024	PRTD	787	TETER, INC.	60211 60657		10/11/2024		103124	30,291.70
Invoice: 60657					58620	Police Substation- Bid Document Development				
				30,291.70						
					E PD00001 -20 -210					
					0100-60-200-14-00-580200-	Capital Prj.- Buildings & Imp.				
						CHECK	1021548	TOTAL:		30,291.70
1021549	10/31/2024	PRTD	293	THE GAS CO - SO CA G	60206 06125858487 OCT 24		10/21/2024		103124	16.39
Invoice: 06125858487 OCT 24					58614	NATURAL GAS CHARGES				
				16.39	5101-50-400-24-00-510708-	Natural Gas				
					60207 10954207733 OCT 24		10/21/2024		103124	14.79
Invoice: 10954207733 OCT 24					58615	NATURAL GAS CHARGES				
				14.79	5002-40-400-20-00-510708-	Natural Gas				
						CHECK	1021549	TOTAL:		31.18
1021550	10/31/2024	PRTD	12660	TRAFFIC MANAGEMENT I	60240 06-111218		10/22/2024		103124	573.73
Invoice: 06-111218					58646	STREETS - PAINT FAST DRY				
				573.73	0100-40-400-19-02-510200-	Repairs & Maintenance				
					60241 06-111219		10/22/2024		103124	573.73
Invoice: 06-111219					58647	STREETS - PAINT FAST DRY				
				573.73	0100-40-400-19-02-510200-	Repairs & Maintenance				

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				VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
				DOCUMENT	INVOICE	DTL	DESC			
				60242	06-111224		10/22/2024		103124	509.10
				58648						
Invoice: 06-111224										
	509.10	0100-40-400-19-02-510200-				STREETS - HIGHWAY GLASS BEADS				
						Repairs & Maintenance				
				60339	06-110708		10/01/2024		103124	712.74
				58745						
Invoice: 06-110708										
	712.74	0100-40-400-19-02-510200-				STREETS - HIGHWAY GLASS BREADS				
						Repairs & Maintenance				
						CHECK	1021550	TOTAL:		2,369.30
1021551	10/31/2024	PRTD	1101 VESTIS GROUP, INC. (	60129	2601664753		10/22/2024		103124	196.28
				58539						
Invoice: 2601664753										
	56.85	5100-50-405-28-90-510100-				CITY HALL - MATS SERVICES/RESTROOM SERVICES				
	69.71	0100-10-100-01-00-510001-				Service Agreements				
	69.72	0100-10-110-03-00-510001-				Departmental Supplies				
				60132	2601664754		10/22/2024		103124	267.60
				58542						
Invoice: 2601664754										
	102.60	5100-50-405-28-90-510100-				CITY HALL - MATS AND TABLECLOTHS				
	82.50	0100-10-100-01-00-510001-				Service Agreements				
	82.50	0100-10-110-03-00-510001-				Departmental Supplies				
				60212	2601665602		10/24/2024		103124	437.77
				58621						
Invoice: 2601665602										
	45.86	0100-30-400-25-00-500502-				ALL PW'S - UNIFORM SERVICES				
	7.42	5101-50-400-24-00-500502-				Uniform & Equipment Allowance				
	17.73	5101-50-400-24-00-510001-				Uniform & Equipment Allowance				
	136.38	0100-40-400-19-02-500502-				Departmental Supplies				
	1.82	5006-40-400-23-00-500502-				Uniform & Equipment Allowance				
	45.22	5000-40-400-21-00-500502-				Uniform & Equipment Allowance				
	180.81	5002-40-400-20-00-500502-				Uniform & Equipment Allowance				
	2.53	5101-50-400-24-00-500502-				Uniform & Equipment Allowance				
						CHECK	1021551	TOTAL:		901.65
1021552	10/31/2024	PRTD	1495 WITCHER ELECTRIC INC	60334	41115AA		10/21/2024		103124	187.48
				58740						
Invoice: 41115AA										
	187.48	5000-40-400-21-00-510204-				GOSSAMER GROVE - LIFT STATION - PUMP REPAIR				
						Equipment Repair				
				60335	41093AA		10/17/2024		103124	361.60
				58741						
Invoice: 41093AA										
	361.60	5002-40-400-20-00-510200-				WATER - REPAIR TO TANK #2				
						Repairs & Maintenance				

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

CASH ACCOUNT: 0000-00-000-00-00-100010-
CHECK NO CHK DATE TYPE VENDOR NAME

		VOUCHER	INVOICE	Cash10755	INV DATE	PO	WARRANT	NET
		DOCUMENT		INVOICE	DTL	DESC		
		60336	41092AA		10/16/2024		103124	488.48
		58742						
Invoice: 41092AA		488.48	5002-40-400-20-00-510200-	WATER - REPAIR TO TANK #2 Repairs & Maintenance				
				CHECK	1021552	TOTAL:		1,037.56
				NUMBER OF CHECKS	60	*** CASH ACCOUNT TOTAL ***		508,929.40
				TOTAL PRINTED CHECKS	COUNT	AMOUNT		
				TOTAL WIRE TRANSFERS	1	27,852.33		
						*** GRAND TOTAL ***		508,929.40

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED
CLERK: 5292blopez

YEAR	PER	JNL	SRC ACCOUNT	EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
2025	4	759										
APP	0100-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		169,574.54	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0000-00-000-00-00-100010-			10/31/2024	103124	103124			Cash: Mission Bank Acct#10755			508,929.40
									AP CASH DISBURSEMENTS JOURNAL			
APP	5002-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		183,540.51	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5000-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		2,034.01	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0808-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		628.87	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5003-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		349.32	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5103-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		309.13	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5101-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		233.61	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5001-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		9.72	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0207-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		73,985.89	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0801-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		21.46	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0802-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		37.93	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0807-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		22.77	
									AP CASH DISBURSEMENTS JOURNAL			
APP	0804-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		50.37	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5100-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		6,209.45	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5004-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		71,920.00	
									AP CASH DISBURSEMENTS JOURNAL			
APP	5006-00-000-00-00-205000-			10/31/2024	103124	103124			Accts Payable		1.82	
									AP CASH DISBURSEMENTS JOURNAL			
GENERAL LEDGER TOTAL											508,929.40	508,929.40
APP	0000-00-000-00-00-209001-			10/31/2024	103124	103124			Due To 0100 - Gen Fund		169,574.54	
APP	0100-00-000-00-00-109000-			10/31/2024	103124	103124			Due From Funds - Cash Pool			169,574.54
APP	0000-00-000-00-00-209038-			10/31/2024	103124	103124			Due To 5002 - Water Operat		183,540.51	
APP	5002-00-000-00-00-109000-			10/31/2024	103124	103124			Due From Funds - Cash Pool			183,540.51
APP	0000-00-000-00-00-209036-								Due To 5000 - wastewtr Operat		2,034.01	

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

YEAR PER SRC ACCOUNT	JNL EFF DATE	JNL DESC	REF 1	REF 2	REF 3	ACCOUNT DESC LINE DESC	T OB	DEBIT	CREDIT
APP 5000-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			2,034.01
APP 0000-00-000-00-00-209032-	10/31/2024	103124	103124			Due To 0808 - LLMD - 001-2015		628.87	
APP 0808-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			628.87
APP 0000-00-000-00-00-209039-	10/31/2024	103124	103124			Due To 5003 - Transit Operat		349.32	
APP 5003-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			349.32
APP 0000-00-000-00-00-209049-	10/31/2024	103124	103124			Due To 5103 - Info Tech		309.13	
APP 5103-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			309.13
APP 0000-00-000-00-00-209047-	10/31/2024	103124	103124			Due To 5101 - Vehicle Maint		233.61	
APP 5101-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			233.61
APP 0000-00-000-00-00-209037-	10/31/2024	103124	103124			Due To 5001 - Refuse Operat		9.72	
APP 5001-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			9.72
APP 0000-00-000-00-00-209009-	10/31/2024	103124	103124			Due To 0207 - RMRA		73,985.89	
APP 0207-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			73,985.89
APP 0000-00-000-00-00-209025-	10/31/2024	103124	103124			Due To 0801 - LLMD - 001-2005		21.46	
APP 0801-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			21.46
APP 0000-00-000-00-00-209026-	10/31/2024	103124	103124			Due To 0802 - LLMD - 002-2005		37.93	
APP 0802-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			37.93
APP 0000-00-000-00-00-209031-	10/31/2024	103124	103124			Due To 0807 - LLMD - 002-2007		22.77	
APP 0807-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			22.77
APP 0000-00-000-00-00-209028-	10/31/2024	103124	103124			Due To 0804 - LLMD - 004-2005		50.37	
APP 0804-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			50.37
APP 0000-00-000-00-00-209046-	10/31/2024	103124	103124			Due To 5100 - Facility Maint		6,209.45	
APP 5100-00-000-00-00-109000-	10/31/2024	103124	103124			Due From Funds - Cash Pool			6,209.45
APP 0000-00-000-00-00-209040-	10/31/2024	103124	103124			Due To 5004 - Telecom Operat		71,920.00	

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

YEAR PER	JNL								
SRC	ACCOUNT								
EFF	DATE	JNL	DESC	REF 1	REF 2	REF 3	ACCOUNT	DESC	T OB
							LINE	DESC	
APP	5004-00-000-00-00-109000-							Due From Funds - Cash Pool	
	10/31/2024	103124		103124					71,920.00
APP	0000-00-000-00-00-209042-							Due To 5006 - Rail Operat	
	10/31/2024	103124		103124					1.82
APP	5006-00-000-00-00-109000-							Due From Funds - Cash Pool	
	10/31/2024	103124		103124					1.82
SYSTEM GENERATED ENTRIES TOTAL									
JOURNAL 2025/04/759 TOTAL									

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
0000	Pooled Cash Fund	2025	4	759	10/31/2024	Cash: Mission Bank Acct#10755		508,929.40
	0000-00-000-00-00-100010-					Due To 0100 - Gen Fund	169,574.54	
	0000-00-000-00-00-209001-					Due To 0207 - RMRA	73,985.89	
	0000-00-000-00-00-209009-					Due To 0801 - LLMD - 001-2005	21.46	
	0000-00-000-00-00-209025-					Due To 0802 - LLMD - 002-2005	37.93	
	0000-00-000-00-00-209026-					Due To 0804 - LLMD - 004-2005	50.37	
	0000-00-000-00-00-209028-					Due To 0807 - LLMD - 002-2007	22.77	
	0000-00-000-00-00-209031-					Due To 0808 - LLMD - 001-2015	628.87	
	0000-00-000-00-00-209032-					Due To 5000 - Wastewtr Operat	2,034.01	
	0000-00-000-00-00-209036-					Due To 5001 - Refuse Operat	9.72	
	0000-00-000-00-00-209037-					Due To 5002 - Water Operat	183,540.51	
	0000-00-000-00-00-209038-					Due To 5003 - Transit Operat	349.32	
	0000-00-000-00-00-209039-					Due To 5004 - Telecom Operat	71,920.00	
	0000-00-000-00-00-209040-					Due To 5006 - Rail Operat	1.82	
	0000-00-000-00-00-209042-					Due To 5100 - Facility Maint	6,209.45	
	0000-00-000-00-00-209046-					Due To 5101 - Vehicle Maint	233.61	
	0000-00-000-00-00-209047-					Due To 5103 - Info Tech	309.13	
	0000-00-000-00-00-209049-					FUND TOTAL	508,929.40	508,929.40
0100	General Fund	2025	4	759	10/31/2024	Due From Funds - Cash Pool		169,574.54
	0100-00-000-00-00-109000-					Accts Payable	169,574.54	
	0100-00-000-00-00-205000-					FUND TOTAL	169,574.54	169,574.54
0207	Road Maint & Rehab. Acct	2025	4	759	10/31/2024	Due From Funds - Cash Pool		73,985.89
	0207-00-000-00-00-109000-					Accts Payable	73,985.89	
	0207-00-000-00-00-205000-					FUND TOTAL	73,985.89	73,985.89
0801	LLMD - 001-2005	2025	4	759	10/31/2024	Due From Funds - Cash Pool		21.46
	0801-00-000-00-00-109000-					Accts Payable	21.46	
	0801-00-000-00-00-205000-					FUND TOTAL	21.46	21.46
0802	LLMD - 002-2005	2025	4	759	10/31/2024	Due From Funds - Cash Pool		37.93
	0802-00-000-00-00-109000-					Accts Payable	37.93	
	0802-00-000-00-00-205000-					FUND TOTAL	37.93	37.93
0804	LLMD - 004-2005	2025	4	759	10/31/2024	Due From Funds - Cash Pool		50.37
	0804-00-000-00-00-109000-					Accts Payable	50.37	
	0804-00-000-00-00-205000-							

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
					FUND TOTAL	50.37	50.37
0807 LLMD - 002-2007	2025	4	759	10/31/2024			
0807-00-000-00-00-109000-					Due From Funds - Cash Pool		22.77
0807-00-000-00-00-205000-					Accts Payable	22.77	
					FUND TOTAL	22.77	22.77
0808 LLMD - 001-2015	2025	4	759	10/31/2024			
0808-00-000-00-00-109000-					Due From Funds - Cash Pool		628.87
0808-00-000-00-00-205000-					Accts Payable	628.87	
					FUND TOTAL	628.87	628.87
5000 Wastewater Operations	2025	4	759	10/31/2024			
5000-00-000-00-00-109000-					Due From Funds - Cash Pool		2,034.01
5000-00-000-00-00-205000-					Accts Payable	2,034.01	
					FUND TOTAL	2,034.01	2,034.01
5001 Refuse Operations	2025	4	759	10/31/2024			
5001-00-000-00-00-109000-					Due From Funds - Cash Pool		9.72
5001-00-000-00-00-205000-					Accts Payable	9.72	
					FUND TOTAL	9.72	9.72
5002 Water Operations	2025	4	759	10/31/2024			
5002-00-000-00-00-109000-					Due From Funds - Cash Pool		183,540.51
5002-00-000-00-00-205000-					Accts Payable	183,540.51	
					FUND TOTAL	183,540.51	183,540.51
5003 Transit Operations	2025	4	759	10/31/2024			
5003-00-000-00-00-109000-					Due From Funds - Cash Pool		349.32
5003-00-000-00-00-205000-					Accts Payable	349.32	
					FUND TOTAL	349.32	349.32
5004 Telecommunications Operations	2025	4	759	10/31/2024			
5004-00-000-00-00-109000-					Due From Funds - Cash Pool		71,920.00
5004-00-000-00-00-205000-					Accts Payable	71,920.00	
					FUND TOTAL	71,920.00	71,920.00
5006 Rail Operations	2025	4	759	10/31/2024			
5006-00-000-00-00-109000-					Due From Funds - Cash Pool		1.82
5006-00-000-00-00-205000-					Accts Payable	1.82	
					FUND TOTAL	1.82	1.82

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND ACCOUNT	YEAR	PER	JNL	EFF DATE	ACCOUNT DESCRIPTION	DEBIT	CREDIT
5100 Facility Maintenance 5100-00-000-00-00-109000- 5100-00-000-00-00-205000-	2025	4	759	10/31/2024	Due From Funds - Cash Pool Accts Payable	6,209.45	6,209.45
					FUND TOTAL	6,209.45	6,209.45
5101 Vehicle Maintenance 5101-00-000-00-00-109000- 5101-00-000-00-00-205000-	2025	4	759	10/31/2024	Due From Funds - Cash Pool Accts Payable	233.61	233.61
					FUND TOTAL	233.61	233.61
5103 Information Technology 5103-00-000-00-00-109000- 5103-00-000-00-00-205000-	2025	4	759	10/31/2024	Due From Funds - Cash Pool Accts Payable	309.13	309.13
					FUND TOTAL	309.13	309.13

City of Shafter

A/P CASH DISBURSEMENTS JOURNAL

JOURNAL ENTRIES TO BE CREATED

FUND	DUE TO	DUE FR
0000 Pooled Cash Fund	508,929.40	
0100 General Fund		169,574.54
0207 Road Maint & Rehab. Acct		73,985.89
0801 LLMD - 001-2005		21.46
0802 LLMD - 002-2005		37.93
0804 LLMD - 004-2005		50.37
0807 LLMD - 002-2007		22.77
0808 LLMD - 001-2015		628.87
5000 Wastewater Operations		2,034.01
5001 Refuse Operations		9.72
5002 Water Operations		183,540.51
5003 Transit Operations		349.32
5004 Telecommunications Operations		71,920.00
5006 Rail Operations		1.82
5100 Facility Maintenance		6,209.45
5101 Vehicle Maintenance		233.61
5103 Information Technology		309.13
TOTAL	508,929.40	508,929.40

** END OF REPORT - Generated by Brenda Lopez **

City of Shafter

DETAIL PROOF - FINAL REPORT

Pay Period 10/15/24 To 10/15/24

WARRANT: 101524 PAYROLL TYPE: MISC

CHECK DATE: 10/15/2024

Earnings-Deductions Proof Summaries

DEDUCTION SUMMARY

DED	TYPE	EMPLOYEE AMT	EMPLOYER AMT	TOTAL AMT	EMPLOYEE GROSS	FICA/MED CALC
1000	FICA	682.00	682.00	1,364.00	11,000.00 x 12.40% =	1,364.00
1100	MEDICARE	159.50	159.50	319.00	11,000.00 x 2.90% =	319.00
2000	ICMA	0.00	0.00	0.00		
3000	FIT	2,420.00	0.00	2,420.00	11,000.00	
4000	SIT	726.00	0.00	726.00	11,000.00	
6000	CHILDSUPP-CA	0.00	0.00	0.00	2,500.00	
8300	CA SDI	121.00	0.00	121.00	11,000.00	
8310	CA UI	0.00	0.00	0.00	11,000.00	
9999	DIRECT DEP	6,891.50	0.00	6,891.50	11,000.00	
Total:		11,000.00	841.50			

Total Females:	2	Gross Pay:	5,000.00
Total Males:	3	Gross Pay:	6,000.00
Total Employees:	5	Gross Pay:	11,000.00

Total Pre-Notes: 0

Available Cash Balance after payroll: -4,290,611.02

Total Cash Requirements:

Total Employee Checks:	0.00
Total Employee ACH Transactions:	6,891.50
Total Vendor Checks this payroll:	0.00
Total Vendor Checks other payrolls:	0.00
Total Vendor Electronic Transfers this payroll:	0.00
Total Vendor Electronic Transfers other payrolls:	0.00
Total Vendor Telephone Transfers this payroll:	0.00
Total Vendor Telephone Transfers other payrolls:	0.00

Total Cash Required: 6,891.50

Payments to be Processed:

Total Telephone Transfers: 0.00

Remaining Payroll Liabilities:

Total Employee/Employer (Check type = No check):	0.00
Total Pay Escrow:	0.00
Total Escrow Balance:	0.00
Total Invoices this payroll:	4,950.00
Total Invoices other payrolls:	0.00
Total Checks/Invoices/EFT/Telephone transfers	

APPROVED BY:



City of Shafter

DETAIL PROOF - FINAL REPORT

Pay Period 09/28/24 To 10/11/24

WARRANT: 101824 PAYROLL TYPE: BIWEEKLY

CHECK DATE: 10/18/2024

Earnings-Deductions Proof Summaries

Total Females:	56	Gross Pay:	145,519.03
Total Males:	80	Gross Pay:	360,535.34
Total Employees:	136	Gross Pay:	506,054.37

Total Pre-Notes: 0

Available Cash Balance after payroll: -4,636,544.86

Total Cash Requirements:

Total Employee Checks:	0.00
Total Employee ACH Transactions:	346,017.53
Total Vendor Checks this payroll:	0.00
Total Vendor Checks other payrolls:	0.00
Total Vendor Electronic Transfers this payroll:	0.00
Total Vendor Electronic Transfers other payrolls:	0.00
Total Vendor Telephone Transfers this payroll:	0.00
Total Vendor Telephone Transfers other payrolls:	0.00

Total Cash Required: 346,017.53

Payments to be Processed:

Total Telephone Transfers: 0.00

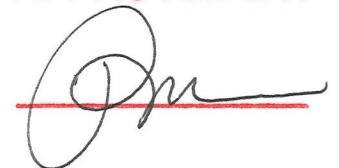
Remaining Payroll Liabilities:

Total Employee/Employer (Check type = No check):	27,953.04
Total Pay Escrow:	0.00
Total Escrow Balance:	0.00
Total Invoices this payroll:	343,169.09
Total Invoices other payrolls:	99,546.73
Total Checks/Invoices/EFT/Telephone transfers this payroll (deferred):	0.00
Total Checks/Invoices/EFT/Telephone transfers other payrolls (deferred):	0.00

Total Liabilities: 470,668.86

** END OF REPORT - Generated by Lety Lara **

APPROVED BY:





OVERTIME REPORT FOR OCTOBER 2024

PyYrMonth	202410		
Department	EmpName	Hours	OT Pay Amount
Administrative Services	GARCIA, REBECCA	2.00	\$61
	GONZALEZ, JESSICA	0.12	\$6
	RODRIGUEZ, VERONICA	0.75	\$29
	NIETO, LUZ	0.50	\$19
Administrative Services Sum		3.37	\$116
Building	COMSTOCK, ROBERT	6.75	\$529
	NOLAN, ABIGAIL	0.53	\$24
	VARGAS, RICK	0.25	\$17
	VELASQUEZ, ANGEL	1.58	\$85
Building Sum		9.11	\$655
Information Technology	HERRERA, AARON	0.25	\$17
	ROGERS, MICHAEL	1.00	\$53
Information Technology Sum		1.25	\$70
Planning	NOLAN, ABIGAIL	0.22	\$10
	VELASQUEZ, ANGEL	0.67	\$36
Planning Sum		0.89	\$47
Police	CAMACHO, RAMON	11.00	\$778
	CARDWELL-NICHOLS, KATRINA	19.50	\$1,426
	CAUDILLO, SEAN	25.00	\$2,236
	DAVALOS, EDGAR	32.25	\$2,975
	DIAZ, ERIC	38.50	\$4,002
	GOMEZ, KARLINA	33.00	\$1,283
	GRAVES, LUCAS	2.00	\$149
	KING, TIMOTHY	44.50	\$3,395
	KINKADE, STORM	40.50	\$3,396
	MARTINEZ, GUILLERMINA	8.00	\$533
	NOUSCH, ETHAN	47.50	\$3,986
	OZAETA, RACHEL	22.00	\$1,841
	PAILING, MELANIE	14.00	\$893
	RIDDICK, NICKOLAS	30.50	\$2,323
	RODRIGUEZ, ILIANA	21.50	\$936
	SERJEANT, MALLORY	11.00	\$777
	YORK, JAMES	25.00	\$2,203
	YOSHIKAWA, PHILIP	5.50	\$608
	VALDIVIA, JORGE	55.50	\$3,317
	RIVERA, SIMON	56.00	\$3,535
	CEJUDO, CRISTIAN	64.50	\$4,042
	BERUMEN, KAITLYNN	6.50	\$429
	CALLAGY, SAMANTHA	12.50	\$873

Department	EmpName	Hours	OT Pay Amount
Police	HERRERA, ARTURO	33.00	\$2,033
	CASTILLO, MITCHELL	91.50	\$6,019
	RUBIO, YESICA	10.00	\$412
	ROGERS, MICHAEL	4.00	\$213
	LANUZA, JOSE	20.00	\$1,202
	RODRIGUEZ, ANGEL	59.50	\$3,615
	VASQUEZ, DALIA	10.00	\$383
	IBARRA, ENRIQUE	10.00	\$413
	HERNANDEZ, MIA	4.00	\$172
	GARCIA, ALFREDO	8.50	\$325
	ARCHULETA, KEVIN	54.50	\$4,343
Police Sum		931.25	\$65,067
Public Works	ALDACO, JUAN	2.25	\$126
	ALVAREZ, JOSE	10.00	\$433
	ARELLANO, ABEL	3.50	\$194
	BROWN, MARK	1.00	\$69
	CASTRO, VICTOR	1.00	\$48
	FLORES, DEREK	4.50	\$233
	GONZALEZ, JESSICA	0.38	\$18
	IBARRA, MARCELINO	15.75	\$915
	LARA, CARLOS	1.25	\$57
	PENA, ROBERTO	9.00	\$510
	RUBIO, BRIDGETT	2.50	\$132
	VASQUEZ, ERIC	0.50	\$28
	VERDUGO, JUAN	3.25	\$164
	ALVAREZ, ARACELI	0.75	\$28
	RODRIGUEZ, JESUS	3.50	\$148
	FERNANDEZ, BERNARDO	7.00	\$282
Public Works Sum		66.13	\$3,386
Grand Total		1,012.00	\$69,340



336 Pacific Avenue, Shafter CA 93263
Tel: (661) 746-5002 • Fax (661) 746-9125
Email: facilityrentals@shafter.com

APPLICATION FOR SPECIAL EVENT PERMIT

Shafter Municipal Code 17.02.100 permits short-term placement of activities on privately or publicly owned property with appropriate regulations so that such activities are compatible with the surrounding areas.

The City’s Project Assistance Team is authorized to approve a special event permit if the event is expected to accommodate less than 50 persons. City Council approval is required if more than 50 persons will attend.

Complete applications must be received a minimum of 30 days prior to the event. If errors or omissions are discovered, the application will be deemed incomplete and will be returned to the applicant for revision. Acceptance of your application is not a guarantee of approval. After the initial intake of your completed application, other City permits may be required. Application Fees are due at the time of submittal and are non-refundable.

APPLICANT: Name (Contact Person): ADRIAN MONSEVAIS- SHAFTER CHAMBER OF COMMERCE
Name of Business or Organization (if applicable): AVILA'S BARBER SHOP
If Organization, what type: ☐ Service Club ☐ Church ☐ Other: _____
Mailing Address: PO BOX 1181 City SHAFTER State CA Zip 93263
Phone 661-910-9185 Fax _____ Email shafterchamber@gmail.com

TYPE OF EVENT (concert, reception, parade, party, promotion, rally, wedding, parade, etc.)
RIBBON CUTTING

DATE(S) OF EVENT: From: 11/16/2024 To: 11/16/2024
TIME OF EVENT: From: 10:00 am To: 3:00 pm
TIME SET-UP STARTS: 8:00 am TIME CLEAN-UP ENDS: 5:00 pm
NUMBER OF ATTENDEES: 55 ADMISSION FEE? ☐ Yes ☒ No
LOCATION OF EVENT: AVILA'S BARBERSHOP 161 CENTRAL AVE., SHAFTER, CA 93263
Name of Facility/Address

Name of Property Owner: JOSE AVILA

FULL DESCRIPTION OF ACTIVITY: (check all that apply)
☐ Amplified speech or music ☐ Food Beverages served/sold** ☐ Banners/Flags to be used ☐ Public Dance
☐ Street closure (attach map) ☐ Barricades (attach map) ☐ Equipment to be brought in (specify below)
☐ Food Vendors ****a copy of the Community Event Permit issued by Kern County Public Health must be attached**
☐ Alcoholic Beverage **** the event organizer must obtain an ABC licensed issued by Alcoholic Beverage Control**

EVENT ORGANIZERS ARE RESPONSIBLE FOR ENSURING ALL VENDORS ARE PROPERLY LICENSED.

Additional Pertinent Information (attach additional sheet if necessary): _____

RIBBON CUTTING WITH A SMALL, LIVE BAND INDOORS. SPEAKER OUTSIDE, NEAR THE FRONT DOOR WHICH WILL BE USED FOR RIBBON CUTTING AND CERTIFICATE PRESENTATION CEREMONY. TACO CART/TRUCK WILL SERVE FOOD AND SOFT DRINKS.

GENERAL REQUIREMENTS:

- 1. Execute a Hold Harmless Agreement.
- 2. Provide a Certificate of Insurance with an Endorsement for the City of Shafter, if required. See “Insurance Requirement” below.
- 3. There shall be no disruption in normal vehicular traffic flow.
- 4. All City noise regulations must be observed.
- 5. Parking must be in authorized parking spaces only.
- 6. There shall be no alcoholic beverages at event without prior City Council approval.
- 7. Carefully observe Hours of Event, as stated on permit.
- 7. All set-up and clean-up is the responsibility of the permit-holder. Following the event, all facilities must be left in a clean and orderly condition.
- 8. If indicated, comply with any additional conditions that may have been imposed as Conditions of Approval following review of your application for a Special Event Permit.
- 9. Do not advertise your event until the application is approved.
- 10. Application fees are non-refundable.

INSURANCE REQUIREMENTS ONLY IF THE EVENT WILL BE HELD ON A CITY OWNED FACILITY OR ON CITY RIGHT-OF-WAY:

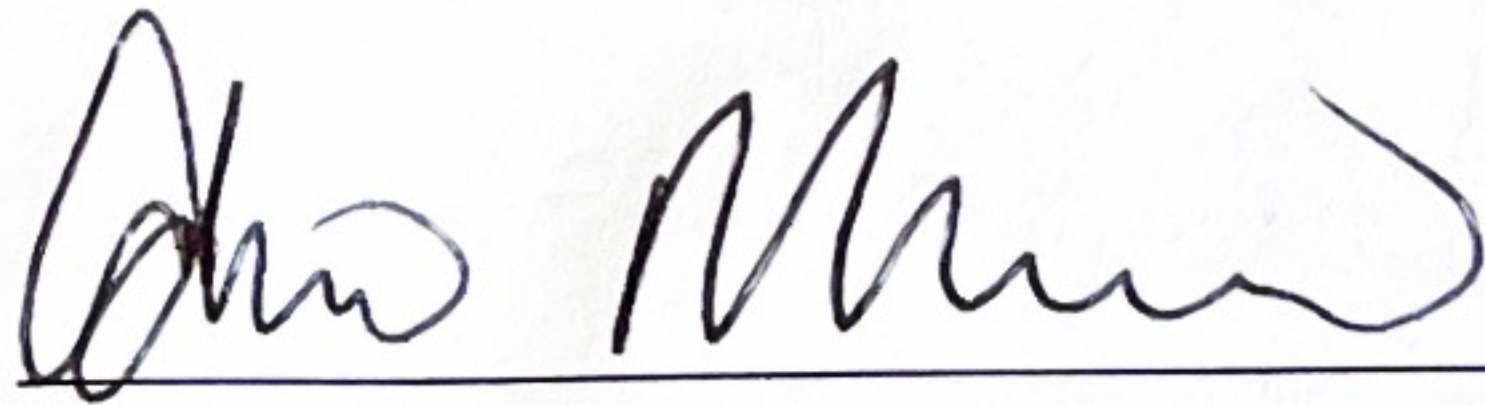
- | | | |
|------------------------------|---|--|
| 1. Open to the Public | ☒ Yes | ☐ No |
| 2. Fundraising | ☐ Yes | ☒ No |
| 3. More than 100 persons | ☐ Yes | ☒ No |
| 4. Amplification | ☒ Yes | ☐ No |
| 5. Alcohol to be served/sold | ☐ Yes | ☒ No |

If any one or more of the boxes above are marked YES, a Certificate of Insurance must be filed two weeks prior to the event. The Certificate of Insurance alone is not an acceptable proof of coverage and must be accompanied by an Endorsement page naming: “**The City of Shafter, it’s Officers, Employees, City Council members, Agents, Boards and Commissions**” as additional insured. The insurance coverage accepted is \$1,000,000 per occurrence and \$2,000,000 general aggregate. In addition, if Alcohol is present or sold, a host liquor liability in the amount of \$2,000,000 per occurrence and \$4,000,000 general aggregate must be produced.

The following Hold Harmless Agreement is also required:

This is to certify that SHAFTER CHAMBER OF COMMERCE & AVILA'S BARB agrees to indemnify and hold harmless the City of Shafter, its Employees, City Council members, Agents, Boards and Commissions from and against any and all claims, liability loss, costs, damages, fees of attorneys, and other expenses which the City may sustain or incur by reason of, or in consequence of, the use of City streets and land, including but not limited to, sums paid on liability judgments in relation to use of land and streets.

Furthermore, I certify that I am the applicant or authorized agent and that the information filed is true and correct to the best of my knowledge. I understand that additional Conditions of Approval may be imposed on my event by the Project Assistance Team or the City Council, and I agree to comply with any conditions that may be required.

Applicant’s Signature  Date: 10/21/2024



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Marcos Torres, Deputy Public Works Director, Michael James, Public Works Director

SUBJECT: REFRIGERATED TRAILER FOR EDIBLE FOOD
TRANSPORTATION PURCHASE AWARD

RECOMMENDATION

Council find the action is not defined as a "project" per Section 15378(b)(4) of the CEQA Guidelines; accept two (2) bids received for the purchase of a new refrigerated trailer for edible food transportation; and authorize the Deputy Public Works Director to award the purchase of one (1) refrigerated trailer to High Level Enterprises in the amount of \$55,425.

BACKGROUND

At its May 7, 2024 meeting, the Council authorized the acceptance and use of \$75,000 in State grant funds to assist the City's implementation of programs to comply with regulations established by Senate Bill (SB) 1383. Beyond curbside collections of sorted solid waste, SB 1383 mandates that targeted businesses preserve edible food for human consumption and donate it to food banks or other organizations supporting needy individuals. The rollout of donation programs has been phased based on tiered categories. "Tier I" generators are considered large generators of organic waste, including but not limited to supermarkets, food distributors, food processing facilities, and wholesale food vendors with donation programs in effect by January 1, 2022. "Tier II" are considered smaller producers of organic waste, including but not limited to restaurants, grocery stores, and schools. The City's only Tier I generator is Apple Market, while the Tier II generators are local schools.

One significant resource available to the City to help accelerate SB 1383 programs is grant funding through the SB 1383 Local Assistance Grant Program. The City was previously awarded \$29,847 in Fiscal Year (FY) 21-22 funding focused on equipment and personnel costs to support the three-cart conversions.

The more recent award of \$75,000 is made possible through FY 22-23 funds. The City's application request for this funding focuses on supporting edible food programs. Specifically, the main objective of the new funding is to procure equipment, notably a vehicle or trailer to transport refrigerated foods, scales for weighing food, and miscellaneous food containers.

Public Works requested bids for a refrigerated trailer and opened them on October 11,

REFRIGERATED TRAILER FOR EDIBLE FOOD TRANSPORTATION PURCHASE AWARD

2024. Two bids were received, which are detailed as follows based on price and delivery dates:

BID NO.	SUPPLIER	EXPECTED DELIVERY	TOTAL BID PRICE
1	Technology International	30 weeks	\$48,262.50
2	High Level Enterprises	6-8 weeks	\$55,425.50

Although Technology International is proposing the lowest cost, their expected delivery of over six months does significantly delay the implementation of edible food programs, which could result in the City being non-compliant with SB 1383 and subject to corrective action and even monetary fines. Spending an extra \$7,163 for the trailer proposed by High-Level Enterprises would result in a much faster delivery, plus the State grant funding would still cover 100% of the cost.

FISCAL IMPACT

The Council previously authorized amending the Refuse operating budget to include the \$75,000 in State grant funding to cover the requested purchase. Additionally, the grant funds have already been received. No budget action is required.

CEQA ANALYSIS

The action is not defined as a "project" per Section 15378(b)(4) of the CEQA Guidelines because the action is the purchase of a refrigerated trailer and therefore, it is a governmental fiscal activity that does not involve any commitment to a specific project that can result in a potentially significant impact and not subject to CEQA.

APPROVED BY THE CITY ATTORNEY

Not Applicable

ATTACHMENTS

1. Refrigerated Trailer Bid Opening_10.11.24
2. Refrigerated Trailer Bid_Technology International Inc.
3. Refrigerated Trailer Bid_High Level Enterprises

BID FORM

The City of Shafter is accepting bids and may choose either of the following purchase options:

ONE (1) REFRIGERATED TRAILER					
ITEM	DESCRIPTION	QTY.	UNIT	UNIT BID	TOTAL BID
1	REFRIGERATED TRAILER	1	EA	45000.00	45,000.00
	tax (required):			_____%	
	shipping & handling (required):				included
	Expected Delivery Date (required):				30 weeks aro
TOTAL BID:					45,000.00

Prepared By:

RIFAT HABIB

Name

Signature

10/09/2024

Date

TECHNOLOGY INTERNATIONAL INC BUSINESS DEVELOPMENT EXECUTIVE

Company

Title

MINIMUM SPECIFICATIONS

ONE (1) REFRIGERATED TRAILER

GENERAL

It is the intent of these specifications to obtain one (1) refrigerated trailer. The completed unit is to be delivered complete and operable to the City of Shafter Corporation Yard at 720 Commerce Way, Shafter CA 93263 or otherwise arranged by pickup by City. All work and material furnished shall be subject to the approval of the Purchasing Office and the Public Works Department. The equipment offered shall be the Manufacturer's current or newest models. When specific requirements for certain items are not provided, the manufacturer's standard specifications will be considered acceptable, unless they are not applicable to the equipment.

LEGAL REQUIREMENTS

The "City Requirements" column below indicates the minimum acceptable. The bidder shall fill in Data and Bidder Specifications column. This will enable the City to properly evaluate the equipment being bid. The manufacturer's Data and Specifications shall become a part of any contract awarded.

MINIMUM CITY REQUIREMENTS	DATA & BIDDER SPECIFICATIONS
Trailer Make and Model	
In addition to complying with the minimum specifications below, chassis shall conform in every respect to the minimum requirements of the body equipment manufacturer, shall be new and unused except for fabrication and delivery operation	<i>Make of Trailer:</i> POLAR KING MOBILE 6 X 16 TRAILER
Dimensions	SEE ATTACHED TII PROPOSAL FOR COMPLETE DETAILS
6'x16'	
Axle	
Double	
Temperature Range	
0-50-degree F	
Refrigeration Unit	
GOVI	
Electrical Requirements	
110v 15-amp single phase	
On-board Generator (diesel or gas)	
Color	
White	
Unit Construction	
4" thick roof and walls	
Pallet Duty Floor	
Rear and Side Doors	



Technology International, Inc.
1331 South International Pkwy, Suite 2251
Lake Mary, FL 32746
Tel: (407) 359-2373
Fax: (407) 359-2372
E-mail: tii@tii-usa.com
Website: www.tii-usa.com

Equipment Proposal

Description: (1) refrigerated trailer

TII Ref: TII/CA/1024/0258

Date: 10/09/24

In response to your quote request for Refrigerated trailer, Technology International, Inc. is pleased to submit the following for consideration:

ITEM NO.	QTY	DESCRIPTION/ MODEL NO.	UNIT PRICE	EXTD. PRICE
1	1	POLAR KING MOBILE 6 X 16 REFRIGERATED TRAILER	\$45,000.00	\$45,000.00
Total.....				\$45,000.00

Warranty: Manufacturer's standard warranty applies.

Delivery:

- Estimated delivery is **30 weeks** after receipt of order and approved submittal.
- Please note, due to COVID-19 there may be unanticipated disruptions and delays in the supply chains globally, for parts, components, equipment and internal manufacturing services such as engineering, production allocation, and logistics. This may result in manufacturing & delivery delays out of our control. We will do our best to communicate all such impacts and reduce the effects of any such delays.
- All delivery dates quoted are subject to manufacturer's confirmation at time of order.
- Submittal data will be provided for approval after receipt of order (if applicable)
- Customer to provide equipment and personnel to unload
- TII will provide MSO at time of payment confirmation. Customer is responsible for all titling and registration of trailer (If Applicable)

Freight: Included to **DESTINATION**.

Payment Terms: NET 30

Prompt Payment discount: 1/4 % 10 days

Note: This quote is for a lump sum proposal.

Quote Validity: 30 days.

Technology International, Inc. Corporate data:

We are a small business and our Tax Payer Identification Number (TIN): 650342335. The price quoted does not include any sales, excise or similar taxes.

We trust that this proposal will meet your requirements and we look forward to hearing from you.

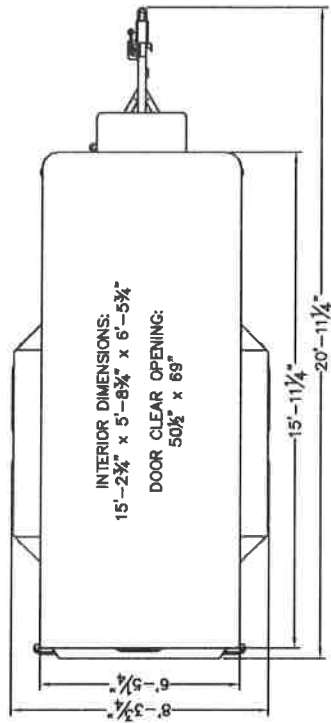
If you have any questions or need more information, please contact us by phone at 407-359-2373, fax at 407-359-2372 or email us at tii@tii-usa.com

Respectfully submitted,

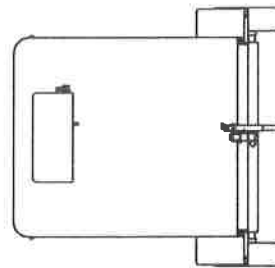
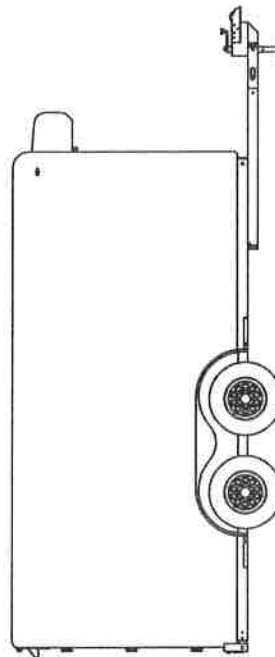
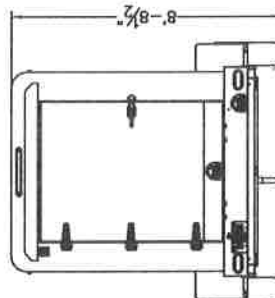


RIFAT HABIB
BUSINESS DEVELOPMENT EXECUTIVE
Technology International, Inc.

- GOV. ARKTIK 2000US
 - THERMOMETER
 - LIGHT SWITCH
 4" WALLS & ROOF
 HEAVY DUTY FLOOR
 STRIP CURTAINS
 LED LIGHTING
 7 BLADE CONNECTOR
 2 5/8" COUPLER
 E-TRACK READY
 GVWR: 9,990 LBS.
 TRAILER: 3,300 LBS.
 CAPACITY: 6,690 LBS.



ROOM TEMP.:
 0°F to 50°F
 INTERIOR VOLUME:
 564 cu. ft.
 HORSEPOWER:
 3/4 hp.
 REFRIGERANT:
 R-452A
 ELEC. SUPPLY:
 115V
 PHASE:
 Single
 cycle
 60 hz.
 AMPERAGE:
 15.0 MCA
 R-VALUE:
 R-28



Polar King Mobile 2025

DRAWN BY:	MODEL NO.:	SCALE:	DATE:
MJB	PKM616	3/16" = 1'	9/12/24
DRAWING NAME:	PKM 2D 2025		



BID FORM

The City of Shafter is accepting bids and may choose either of the following purchase options:

ONE (1) REFRIGERATED TRAILER					
ITEM	DESCRIPTION	QTY.	UNIT	UNIT BID	TOTAL BID
1	REFRIGERATED TRAILER	1	EA	\$48,990.00	\$48,990.00
	tax (required):			_____%	N/A
	shipping & handling (required):				\$6,435.00
	Expected Delivery Date (required):				6 Weeks
TOTAL BID:					\$55,425.00

Prepared By:

Creasy McKinzie

Name

Signature

10/04/2024

Date

High Level Enterprises, Inc.

Company

Sales and Bid Coordinator

Title

MINIMUM SPECIFICATIONS

ONE (1) REFRIGERATED TRAILER

GENERAL

It is the intent of these specifications to obtain one (1) refrigerated trailer. The completed unit is to be delivered complete and operable to the City of Shafter Corporation Yard at 720 Commerce Way, Shafter CA 93263 or otherwise arranged by pickup by City. All work and material furnished shall be subject to the approval of the Purchasing Office and the Public Works Department. The equipment offered shall be the Manufacturer's current or newest models. When specific requirements for certain items are not provided, the manufacturer's standard specifications will be considered acceptable, unless they are not applicable to the equipment.

LEGAL REQUIREMENTS

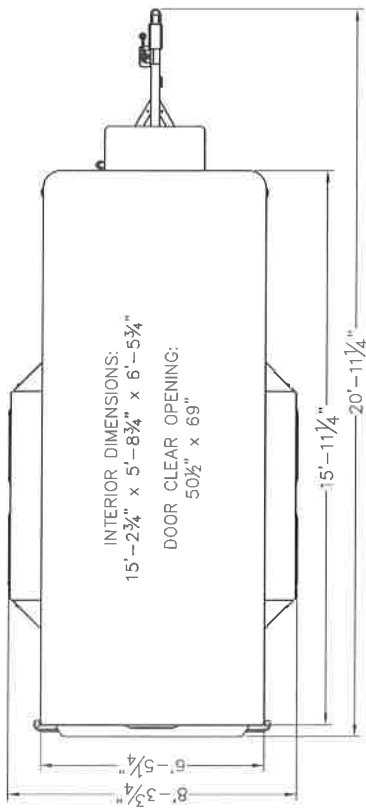
The "City Requirements" column below indicates the minimum acceptable. The bidder shall fill in Data and Bidder Specifications column. This will enable the City to properly evaluate the equipment being bid. The manufacturer's Data and Specifications shall become a part of any contract awarded.

MINIMUM CITY REQUIREMENTS	DATA & BIDDER SPECIFICATIONS
Trailer Make and Model	
In addition to complying with the minimum specifications below, chassis shall conform in every respect to the minimum requirements of the body equipment manufacturer, shall be new and unused except for fabrication and delivery operation	<i>Make of Trailer:</i> Polar King PKM616
Dimensions	
6'x16'	Complies
Axle	
Double	Complies
Temperature Range	
0-50-degree F	Complies
Refrigeration Unit	
GOVI	Complies
Electrical Requirements	
110v 15-amp single phase	Complies
On-board Generator (diesel or gas)	6500 Watt Gasoline
Color	
White	Complies
Unit Construction	
4" thick roof and walls	Complies
Pallet Duty Floor	Complies
Rear and Side Doors	Complies

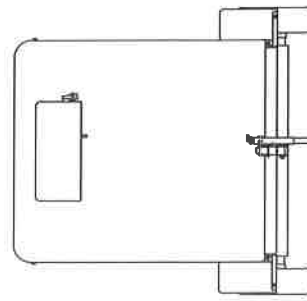
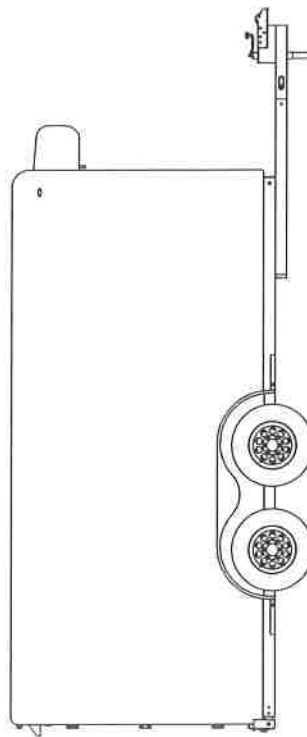
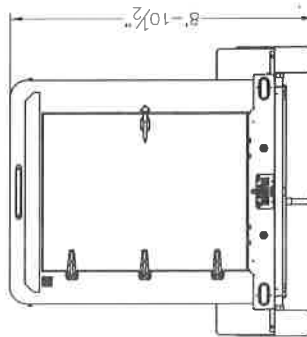
GOVI ARKTIK 2000US
 - THERMOMETER
 - LIGHT SWITCH

4" WALLS & ROOF
 HEAVY DUTY FLOOR
 STRIP CURTAINS
 LED LIGHTING
 7 BLADE CONNECTOR
 2 5/16" COUPLER
 E-TRACK READY

GVWR: 9,990 LBS.
 TRAILER: 3,300 LBS.
 CAPACITY: 6,690 LBS.



ROOM TEMP.:
 0°F to 50°F
 INTERIOR VOLUME:
 564 cu. ft.
 HORSEPOWER:
 3/4 hp.
 REFRIGERANT:
 R-452A
 ELEC. SUPPLY
 115V
 PHASE:
 Single
 CYCLE:
 60 hz.
 AMPERAGE:
 15.0 MCA
 R-VALUE:
 R-28



Polar King Mobile 2022

DRAWN BY: MJR
 MODEL NO.: PKM616
 SCALE: 3/16" = 1'
 DATE: 1/5/22

DRAWING NAME:

PKM 2D 2022



POLAR KING
 INTERNATIONAL, INC.



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Alex Gonzalez, Deputy Public Works Director

SUBJECT: NORTH SHAFTER COMMUNITY PARK PROJECT (#PK00008)
RELEASE FOR PUBLIC BIDDING

RECOMMENDATION

Council find the action is not defined as a “project” per Section 15378(b)(5) of the CEQA Guidelines; approve the plans and specifications for the North Park North Shafter Community Park project (#PK00008); and authorize their release for public bidding.

BACKGROUND

In 2021, the City of Shafter was awarded a grant through the Statewide Park Program valued at approximately \$3.8 million to develop a new community park in the North Shafter area. The project aims to enhance recreational opportunities by constructing a park featuring playgrounds, shaded picnic areas, exercise stations, on-site parking, a spray park, a multi-purpose outdoor court, and open space.

Given the City’s limited resources and expertise in park design, the Council authorized Wynn-Smith Landscape Architecture to develop the plans and specifications necessary for the construction bidding process. After receiving a status report and presentation on the design from this firm, the Council later approved the inclusion of pickleball courts as an added park feature.

The value of the project, including public infrastructure (i.e., streets, water, sewer, electrical servicing, etc.), is \$4,900,000, which is included in the Capital Improvement Program (Project # PK00008).

Construction plans are now in a position to be released for bid purposes. The scope of work and estimated value of the project require formal bidding, which must first be authorized by the Council. The timing of the bid process should result in a contract award in early 2025 and construction commencing this coming Spring.

FISCAL IMPACT

The release of the North Park North Shafter Community Park project for public bidding has no immediate fiscal impact. Any necessary budgetary actions will be presented to the City Council at a later date, once bids have been received and a contract award is being requested.

CEQA ANALYSIS

CONSENT CALENDAR

The action is not defined as a “project” per Section 15378(b)(5) of the CEQA Guidelines because the action is approval of the release for bidding of a project that has already been environmentally cleared and therefore, it is organizational and administrative activity that will not result in direct or indirect physical changes to the environment and not subject to CEQA.

APPROVED BY THE CITY ATTORNEY

Not Applicable

ATTACHMENTS

1. North Shafter Community Park Plans
2. Flynn Ave Construction Plans

NORTH SHAFTER COMMUNITY PARK
PARK LANDSCAPE PLANS
CITY OF SHAFTER
909 FLYNN AVENUE

GENERAL LEGEND

- (R)— ELECTRIC LINE
—(P)— GAS LINE
—(W)— POTABLE WATER LINE
—(S)— SEWER LINE
—□— WOOD FENCE
- - - - - BLOCK WALL
—○— CHAINLINK FENCE
—(I)— WROUGHT IRON FENCE

WATER USE SUMMATION

METER 1:
A: MAWA: 5,332,872.71 GALLONS PER YEAR
B: ETWU: 295,258.73 GALLONS PER YEAR

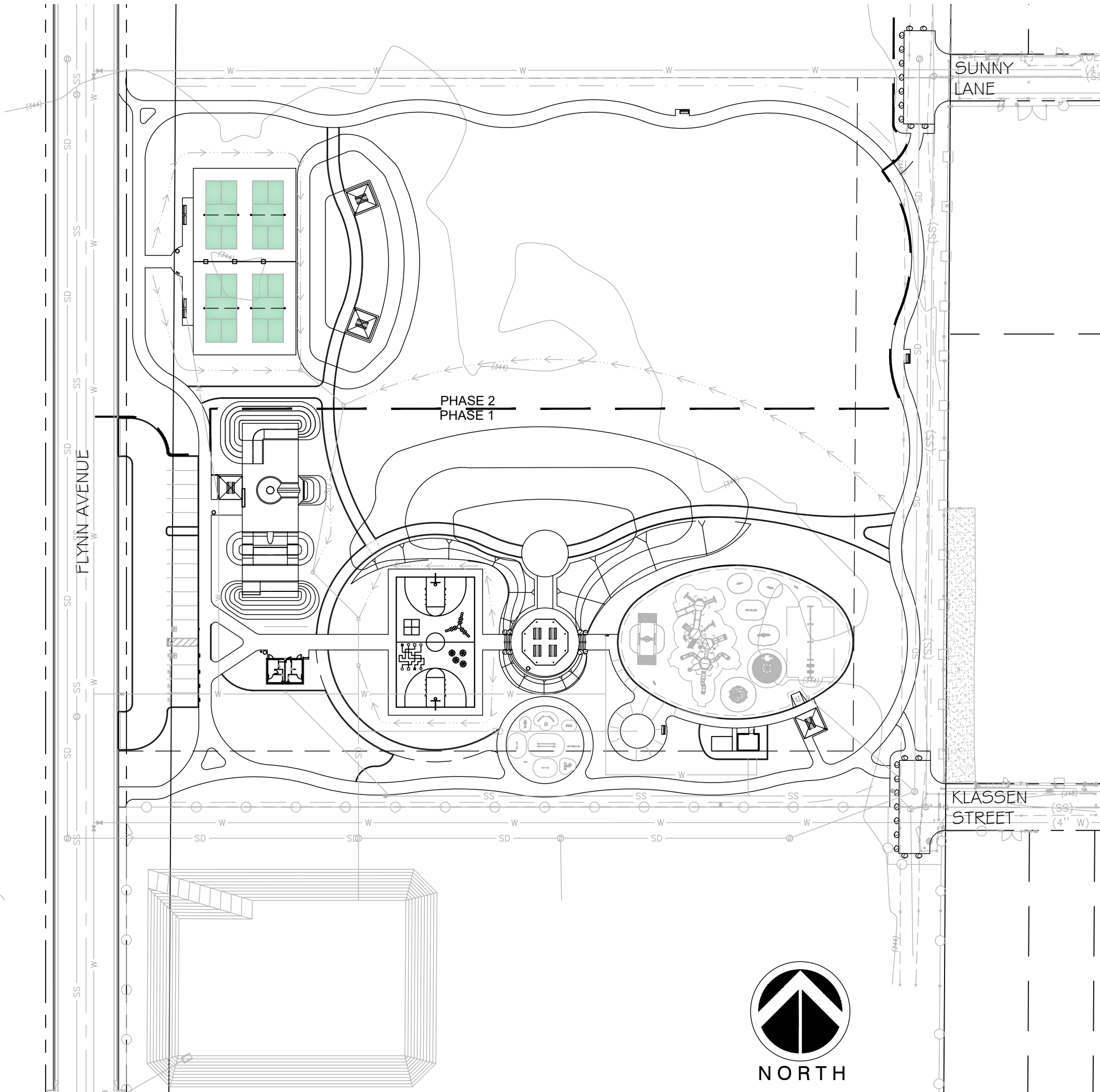
SEE SHEET L-5.0 FOR MORE DETAILED WATER USE CALCULATIONS.

GENERAL NOTES

- NO CHANGES ARE TO BE MADE WITHOUT WRITTEN CONSENT OF THE CITY ENGINEER AND THE PLANNING DIRECTOR. CHANGES WILL NOT REQUIRE PLANNING COMMISSION APPROVAL.
- 24 HOUR INSPECTION NOTICE - PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE OFFICE OF THE CITY OF SHAFTER STANDARDS FOR LANDSCAPING, THE PROJECT AT HAND, AND AS DIRECTED BY THE CITY ENGINEER. THEY SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING.
- COMPACTION TEST NOTE - PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE OFFICE OF THE CITY ENGINEER SHALL BE GIVEN AT LEAST 24 HOURS NOTICE. PHONE: (661) 746-5002.
- FOR THE LOCATION OF EXISTING UNDERGROUND UTILITY LINES THE CONTRACTOR SHALL NOTIFY BOTH THE CITY OF SHAFTER DEPARTMENT OF PUBLIC WORKS, AND UNDERGROUND SERVICE ALERT (USA) AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
USA PHONE: (800) 642-2444
CITY OF SHAFTER: (661) 746-5002
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE START OF CONSTRUCTION. A PERMIT SHALL BE OBTAIN FROM THE OFFICE OF THE CITY ENGINEER FOR ALL WORK TO BE PERFORMED IN CITY RIGHT-OF-WAY.
- THE LOCATIONS OF EXISTING UTILITIES AND UNDERGROUND PIPELINES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES BEFORE COMMENCING WORK. CONTRACTOR ASSUMES ALL LIABILITY FOR ANY AND ALL DAMAGE TO EXISTING UTILITIES OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE, PRESERVE, AND PROTECT ANY AND ALL UNDERGROUND UTILITIES AND PIPELINES.
- ANY TRENCHING CONDUCTED WITHIN THIS PROJECT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CITY'S STANDARD DRAWINGS.
- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL OBSTRUCTIONS WITHIN THE STREET RIGHT-OF-WAY AS DIRECTED BY THE CITY ENGINEER.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, ENGINEER, AND THE CITY OF SHAFTER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING THE LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER/ENGINEER/CITY OF SHAFTER.
- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF SHAFTER STANDARDS, THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS, AND AS DIRECTED BY THE CITY ENGINEER.

LANDSCAPING NOTES

- THERE SHALL BE NO SUBSTITUTIONS OR DELETIONS OF PLANT MATERIALS WITHOUT THE EXPRESS WRITTEN CONSENT OF THE CITY ENGINEER AND THE PLANNING DIRECTOR.
- ALL LANDSCAPING PLANT MATERIALS AND RELATED INFRASTRUCTURE SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF SHAFTER STANDARDS FOR LANDSCAPING AND AS DIRECTED BY THE CITY ENGINEER.
- IRRIGATION SYSTEM RELIES ON EXISTING BACKFLOW PREVENTER AT 7TH STANDARD AND COMMUNITY.



ELECTRICAL ENGINEER

SCOTT DAVIDSON
HARDIN-DAVIDSON ENGINEERING
356 POLLASKY AVENUE., STE. 200
CLOVIS, CA 93612
OFFICE: (559) 323-4995

LANDSCAPE ARCHITECT

TIMOTHY M. SMITH, PLA, ASLA
WYNN-SMITH LANDSCAPE ARCHITECTURE, INC.
13319 POWAY ROAD, SUITE 150
POWAY, CA 92064
OFFICE: (858) 513-0030

CIVIL ENGINEER

CATHY WILLIAMS
QK ENGINEERING
5080 CALIFORNIA AVENUE, SUITE 220
BAKERSFIELD, CA 93309
OFFICE: (661) 616-2600

SPLASH PAD

LEANNE HARVEY
CALIFORNIA WATERS
23311 E. LA PALMA AVE.
YORBA LINDA, CA 92887
OFFICE: (949) 528-0900

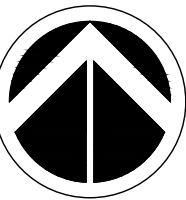
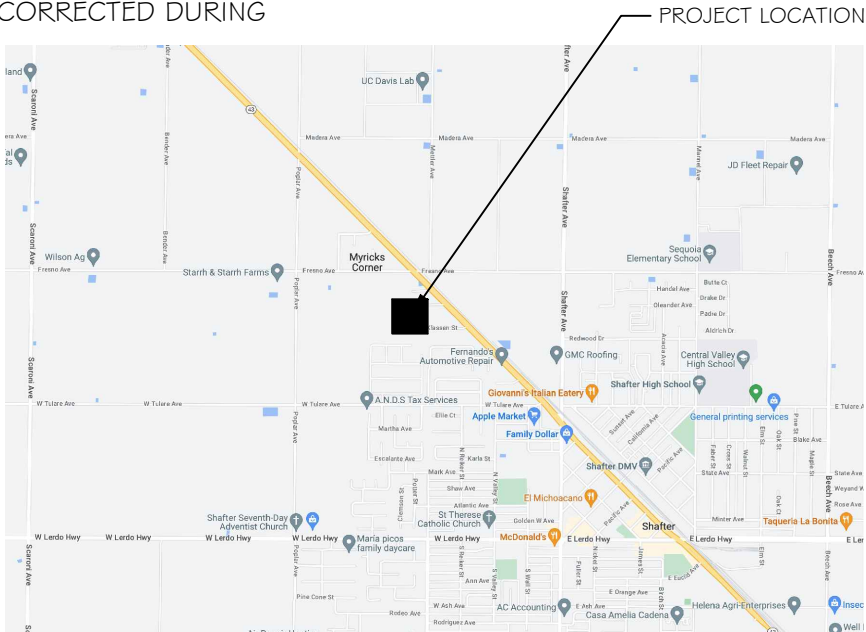
SKATE PARK

JASON BALDESSARI
SPOHN RANCH
6824 S. CENTINELA
LOS ANGELES, CA 90230
OFFICE: (626) 330-5803

LANDSCAPE ARCHITECT CERTIFICATE

I HEREBY CERTIFY THAT THESE PLANS AND SPECIFICATIONS COMPLY WITH CITY OF SHAFTER ORDINANCES, STANDARDS, AND DESIGN CRITERIA, AND THAT THEY INCLUDE ALL IMPROVEMENTS IN ACCORDANCE WITH THE LANDSCAPE REQUIREMENTS OF THE CITY OF SHAFTER FOR THIS DEVELOPMENT.

I AM RESPONSIBLE FOR ALL CALCULATIONS AND DRAWINGS ON THESE PLANS AND ANY ERRORS, OMISSIONS, OR VIOLATIONS OF THOSE ORDINANCES, STANDARDS, AND DESIGN CRITERIA SHALL BE CORRECTED DURING CONSTRUCTION.



VICINITY MAP

NOT TO SCALE

REVIEW BY:
CITY OF SHAFTER

CITY ENGINEER
RAVI PUDIPEDDI

REVIEW BY:
CITY OF SHAFTER

PLANNING DIRECTOR
STEVE ESSELMAN

APN: 026-010-26 & 026-020-03

SHEET INDEX

SHEET	DESCRIPTION
LT-1.0	TITLE SHEET
L-1.0	AMENITIES PLAN
L-1.1	AMENITIES PLAN
L-1.2	LAYOUT PLAN
L-1.3	LAYOUT PLAN
L-1.4	ACCESSIBLE PLAN
L-2.0	CONSTRUCTION DETAILS
L-2.1	CONSTRUCTION DETAILS
L-2.2	CONSTRUCTION DETAILS
L-3.0	IRRIGATION PLAN
L-3.1	IRRIGATION PLAN
L-3.2	IRRIGATION NOTES AND SPECIFICATIONS
L-3.3	IRRIGATION DETAILS
L-3.4	IRRIGATION DETAILS
L-4.0	PLANTING PLAN
L-4.1	PLANTING PLAN
L-5.0	HYDROZONE PLAN

CIVIL

C1.0	COVER SHEET
C1.1	GENERAL NOTES AND LEGEND
C2.0	TOPOGRAPHIC SURVEY
C2.1	TOPOGRAPHIC SURVEY
C3.0	GRADING PLAN
C3.1	GRADING PLAN
C3.2	GRADING SECTIONS
C4.0	UTILITIES
C5.0	DETAILS
C5.1	DETAILS

ELECTRICAL

E1.1	ELECTRICAL SYMBOLS, NOTES AND DETAILS
E1.2	ELECTRICAL SYMBOLS, NOTES AND DETAILS
E1.3	ELECTRICAL AND DETAILS
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E2.3	PHOTOMETRIC SITE PLAN - PHASE 1
E2.4	PHOTOMETRIC SITE PLAN - PHASE 2
E3.1	ENERGY COMPLIANCE DOCUMENTS
E3.2	ENERGY COMPLIANCE DOCUMENTS

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SP-1.02	UTILITY COORDINATION PLAN
SP-2.00	SPLASH PAD PLAN AND SECTIONS
SP-2.01	SPLASH PAD PIPING PLAN
SP-2.02	SPLASH PAD RENDERING
SP-3.00	DETAILS
SP-3.01	DETAILS
SP-4.00	SCHEMATIC
SP-5.00	MECHANICAL PLAN
SP-5.01	MECHANICAL SECTIONS
SP-5.02	SURGE TANK
SP-6.00	MECHANICAL DETAILS
SP-6.01	MECHANICAL DETAILS
SP-6.02	MECHANICAL DETAILS
SP-6.03	MECHANICAL DETAILS
SP-7.00	ELECTRICAL PLAN
SP-7.01	ELECTRICAL SINGLE LINE DIAGRAM
SP-8.00	STRUCTURAL NOTES
SP-8.01	SURGE TANK STRUCTURAL PLAN
SP-8.02	STRUCTURAL PLAN

SKATE PARK

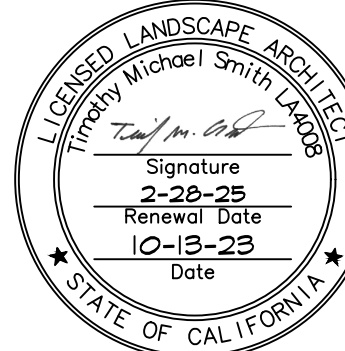
SK1.0	3D PRESPECTIVE
SK1.1	3D PRESPECTIVE
SK2.0	INFORMATION PLAN
SK3.0	COLOR PLAN
SK4.0	LAYOUT PLAN
SK5.0	GRADING + DRAINAGE PLAN
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SK8.0	CONSTRUCTION DETAILS
SK8.1	CONSTRUCTION DETAILS



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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

PRELIMINARY
TITLE SHEET

Revisions By

4-24-2024 TEAM

7-3-2024 TEAM

Drawn By TEAM

Checked By

Date Issued 10-13-2023

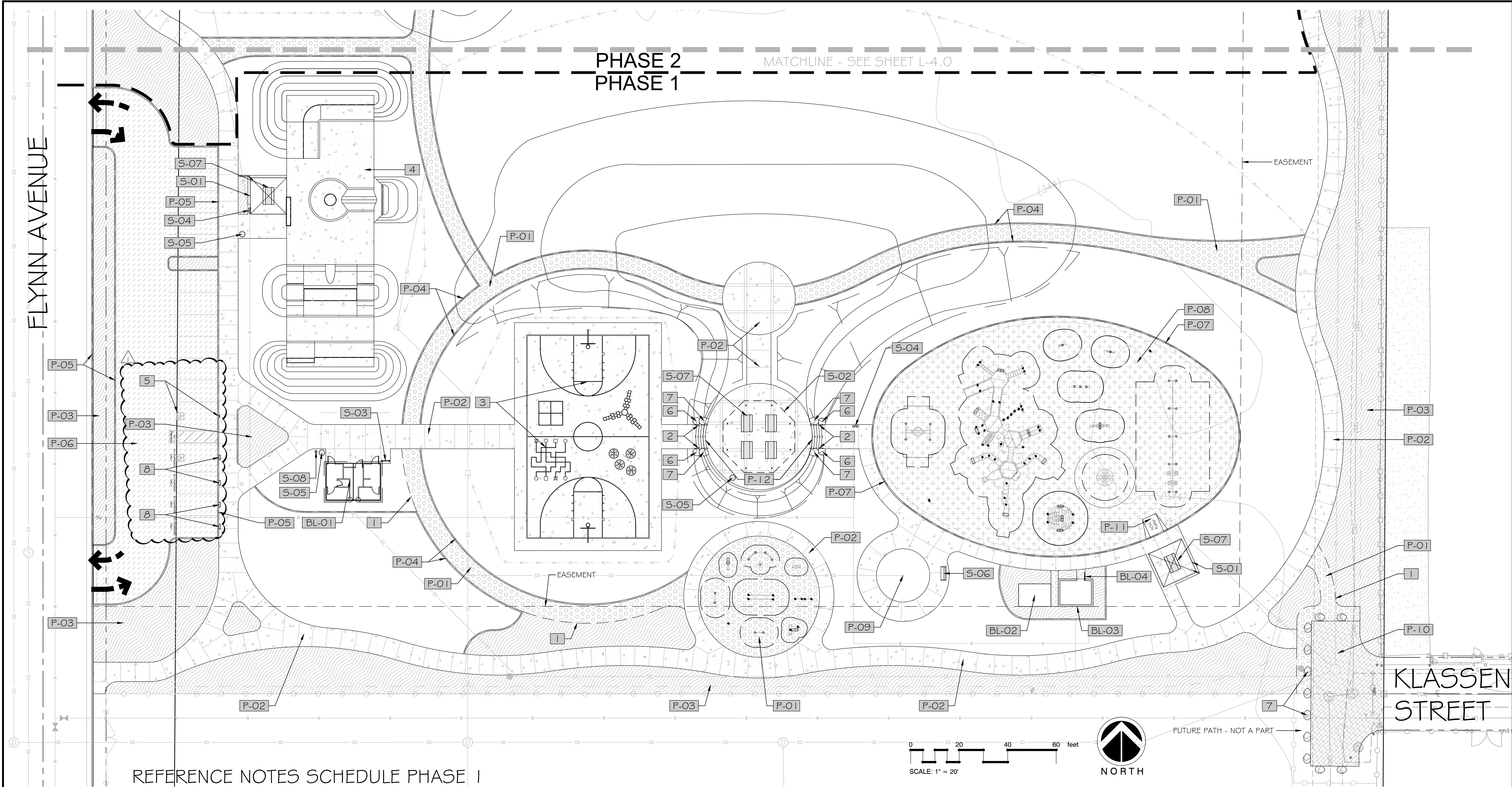
Project No. 22-036

Scale

Sheet

LT-1.0

Of Sheets



REFERENCE NOTES SCHEDULE PHASE I

SYMBOL	DESCRIPTION	QTY	DETAIL
1	ALUMINUM EDGING	323 LF	3/L-2.0
2	HANDRAIL	22 LF	9/L-2.0
3	BASKETBALL COURT WITH PAINT LINE GAMES		1/L-2.1
4	SKATE PARK		
5	ADA PARKING STALL AND SIGNAGE		
SYMBOL	DESCRIPTION	QTY	DETAIL
6	BOULDER (3'X3'X2')	4	3/L-2.1
7	BOULDER (4'X3'X3'), 5' SPACING FROM END TO END WHEN USED AS BOLLARDS IN HAMMERHEAD	26	3/L-2.1
8	FUTURE EV CHARGING STATIONS		
SYMBOL	MEETING ROOM DESCRIPTION	QTY	DETAIL
BL-01	RESTROOM WITH OUTDOOR SHOWER TO BE PUBLIC RESTROOM COMPANY SP-1 32'-2M WITH ADDED SHOWERS.		
BL-02	SPLASH PAD SURGE TANK		
BL-03	SPLASH PAD EQUIPMENT ROOM (CMU WALL - 6' HIGH WITH TUBULAR STEEL GATE)		4/L-2.1
BL-04	SPLASH PAD EQUIPMENT ROOM TUBULAR STEEL GATE		2/L-2.1

SYMBOL	PAVING DESCRIPTION	QTY	DETAIL
P-01	STABILIZED DECOMPOSED GRANITE PAVING	7,911 SF	2/L-2.0
P-02	4" THICK NATURAL COLOR CONCRETE WALK WITH LIGHT BROOM FINISH	26,868 SF	1/L-2.0
P-03	PLANTING AREA MULCH - BARK TO BE 3" THICK SHREDDED WALK-ON BARK. CONTRACTOR TO PROVIDE PHOTOGRAPH OR SAMPLE	20,781 SF	
P-04	MOW CURB	1,339 LF	4/L-2.0
P-05	PARKING LOT CURB	706 LF	4/L-2.0
P-06	ASPHALT PARKING LOT PAVING PER CIVIL PLANS	8,027 SF	
P-07	PLAYGROUND CURB	391 LF	5/L-2.0
P-08	ENGINEERED WOOD FIBER MULCH	11,540 SF	
P-09	SPLASH PAD		
P-10	ASPHALT HAMMERHEAD	3,083 SF	
P-11	PLAYGROUND RAMP		6/L-2.0

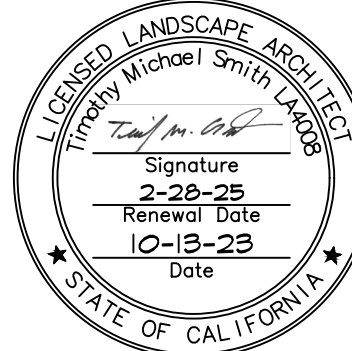
SYMBOL	SITE FURNISHINGS DESCRIPTION	QTY	DETAIL
S-01	SHADE STRUCTURE: MODEL 15158CSU, 15'X15'X8' HIGH CANTILEVER SHADE UMBRELLA W/ CA FIRE MARSHAL APPROVED FABRIC. AVAILABLE THROUGH PACIFIC PLAY SYSTEMS 760-599-7355. FABRIC COLOR TO BE: _____	2	
S-02	32' CARMEL CLERESTORY GAZEBO BY POLYGON. COLOR TO BE: _____		
S-03	3-LOOP BIKE RACK IN GROUND BY WAUSAU (MODEL NO. MF9018); COLOR TO BE 93-BROWN OR EQUAL. INSTALL PER MANUFACTURER'S STANDARDS.	1	
S-04	DRINKING FOUNTAIN BY MOST DEPENDABLE FOUNTAINS (MODEL NO. 440 5M); COLOR TO BE TEXTURED COPPER WITH DRY WELL	2	8/L-2.0
S-05	IRON VALLEY TRASH RECEPTACLE BY KINGS RIVER CASTING (MODEL NO. IVTR); COLOR TO BE BLACK OR EQUAL. INSTALL PER MANUFACTURER'S STANDARDS.	3	
S-06	RIVERSTONE BENCH - 67L BY KINGS RIVER CASTING (MODEL NO. RVSB - 67). FRAME TO BE BRONZE STEEL TUBE, RECYCLED PLASTIC RAILS TO BE "REDWOOD." BENCH TO BE WITHOUT ARMS.	2	7/L-2.0
S-07	PICNIC TABLE BY WAUSAU (MODEL NO. TF3225); COLOR TO BE W25 WEATHERSTONE BROWN OR EQUAL. INSTALL PER MANUFACTURER'S STANDARDS.	6	
S-08	PET WASTE STATION, ROLL BAG SYSTEM, ROUND CAN WITH MATTE GREEN FINISH. SKU: DEPOT-006-B-GRN AVAIL. AT DOGWATERDEPOT.COM	1	



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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

PRELIMINARY
AMENITIES PLAN

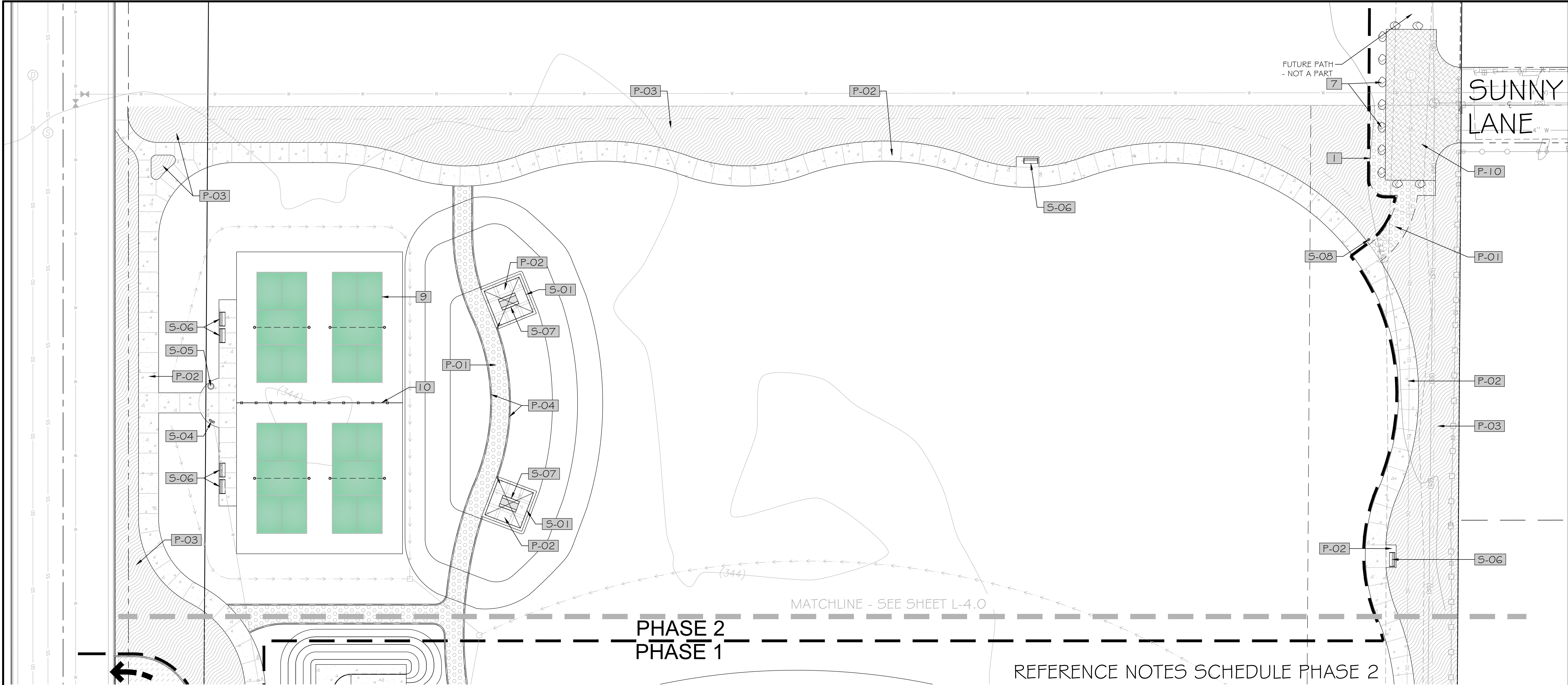
Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

Drawn By: **TEAM**
Checked By: _____
Date Issued: **10-13-2023**
Project No.: **22-036**
Scale: _____

Sheet

L-1.0

Of Sheets



REFERENCE NOTES SCHEDULE PHASE 1

SYMBOL	DESCRIPTION	QTY	DETAIL
1	ALUMINUM EDGING	323 LF	3/L-2.0
2	HANDRAIL	22 LF	9/L-2.0
3	BASKETBALL COURT WITH PAINT LINE GAMES	1/L-2.1	
4	SKATE PARK		
5	ADA PARKING STALL AND SIGNAGE		

SYMBOL	DESCRIPTION	QTY	DETAIL
6	BOULDER (3'X3'X2')	4	3/L-2.1
7	BOULDER (4'X3'X3'), 5' SPACING FROM END TO END WHEN USED AS BOLLARDS IN HAMMERHEAD	26	3/L-2.1

SYMBOL	DESCRIPTION	QTY	DETAIL
8	FUTURE EV CHARGING STATIONS		
BL-01	MEETING ROOM RESTROOM WITH OUTDOOR SHOWER TO BE PUBLIC RESTROOM COMPANY SP-132-2M WITH ADDED SHOWERS.		
BL-02	SPLASH PAD SURGE TANK		
BL-03	SPLASH PAD EQUIPMENT ROOM (CMU WALL - 6' HIGH WITH TUBULAR STEEL GATE)	4/L-2.1	
BL-04	SPLASH PAD EQUIPMENT ROOM TUBULAR STEEL GATE	2/L-2.1	

SYMBOL	DESCRIPTION	QTY	DETAIL
P-01	STABILIZED DECOMPOSED GRANITE PAVING	7,911 SF	2/L-2.0
P-02	4" THICK NATURAL COLOR CONCRETE WALK WITH LIGHT BROOM FINISH	26,868 SF	1/L-2.0
P-03	PLANTING AREA MULCH - BARK TO BE 3" THICK SHREDDED WALK-ON BARK. CONTRACTOR TO PROVIDE PHOTOGRAPH OR SAMPLE	20,781 SF	
P-04	MOW CURB	1,339 LF	4/L-2.0

P-05	PARKING LOT CURB	706 LF	4/L-2.0
P-06	ASPHALT PARKING LOT PAVING PER CIVIL PLANS	8,027 SF	
P-07	PLAYGROUND CURB	391 LF	5/L-2.0
P-08	ENGINEERED WOOD FIBER MULCH	11,540 SF	
P-09	SPLASH PAD		
P-10	ASPHALT HAMMERHEAD	3,083 SF	
P-11	PLAYGROUND RAMP		6/L-2.0
S-01	SHADE STRUCTURE: MODEL 15158CSU, 15'X15'X8' HIGH CANTILEVER SHADE UMBRELLA W/ CA FIRE MARSHAL APPROVED FABRIC. AVAILABLE THROUGH PACIFIC PLAY SYSTEMS 760-599-7355. FABRIC COLOR TO BE: ____.	2	
S-02	32' CARMEL CLERESTORY GAZEBO BY POLYGON. COLOR TO BE: ____.		
S-03	3-LOOP BIKE RACK IN GROUND BY WAUSAU (MODEL NO. MF9018); COLOR TO BE 93-BROWN OR EQUAL. INSTALL PER MANUFACTURER'S STANDARDS.	1	
S-04	DRINKING FOUNTAIN BY MOST DEPENDABLE FOUNTAINS (MODEL NO. 440 5M); COLOR TO BE TEXTURED COPPER WITH DRY WELL	2	8/L-2.0
S-05	IRON VALLEY TRASH RECEPTACLE BY KINGS RIVER CASTING (MODEL NO. IVTR); COLOR TO BE BLACK OR EQUAL. INSTALL PER MANUFACTURER'S STANDARDS.	3	
S-06	RIVERSTONE BENCH - 67L BY KINGS RIVER CASTING (MODEL NO. RV5B - 67). FRAME TO BE BRONZE STEEL TUBE, RECYCLED PLASTIC RAILS TO BE "REDWOOD" BENCH TO BE WITHOUT ARMS.	2	7/L-2.0
S-07	PICNIC TABLE BY WAUSAU (MODEL NO. TF3225); COLOR TO BE W25 WEATHERSTONE BROWN OR EQUAL. INSTALL PER MANUFACTURER'S STANDARDS.	6	
S-08	PET WASTE STATION. ROLL BAG SYSTEM, ROUND CAN WITH MATTE GREEN FINISH. SKU: DEPOT-006-B-GRN AVAIL. AT DOGWATERDEPOT.COM	1	

REFERENCE NOTES SCHEDULE PHASE 2

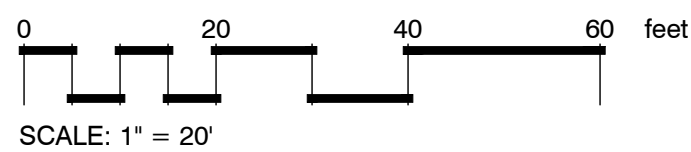
SYMBOL	DESCRIPTION	QTY	DETAIL
9	PICKLE BALL COURTS		1/L-2.2
10	4' HT. PICKLE BALL COURT FENCE		3/L-2.2

SYMBOL	DESCRIPTION	QTY	DETAIL
P-01	STABILIZED DECOMPOSED GRANITE PAVING	1,915 SF	2/L-2.0
P-02	4" THICK NATURAL COLOR CONCRETE WALK WITH LIGHT BROOM FINISH	7,612 SF	1/L-2.0

SYMBOL	DESCRIPTION	QTY	DETAIL
P-03	PLANTING AREA MULCH - BARK TO BE 3" THICK SHREDDED WALK-ON BARK. CONTRACTOR TO PROVIDE PHOTOGRAPH OR SAMPLE	13,082 SF	
P-04	MOW CURB	674 LF	4/L-2.0

SYMBOL	DESCRIPTION	QTY	DETAIL
S-01	SHADE STRUCTURE: MODEL 15158CSU, 15'X15'X8' HIGH CANTILEVER SHADE UMBRELLA W/ CA FIRE MARSHAL APPROVED FABRIC. AVAILABLE THROUGH PACIFIC PLAY SYSTEMS 760-599-7355. FABRIC COLOR TO BE: ____.	2	
S-04	DRINKING FOUNTAIN BY MOST DEPENDABLE FOUNTAINS (MODEL NO. 440 5M); COLOR TO BE TEXTURED COPPER WITH DRY WELL	1	8/L-2.0
S-05	IRON VALLEY TRASH RECEPTACLE BY KINGS RIVER CASTING (MODEL NO. IVTR); COLOR TO BE BLACK OR EQUAL. INSTALL PER MANUFACTURER'S STANDARDS.	1	

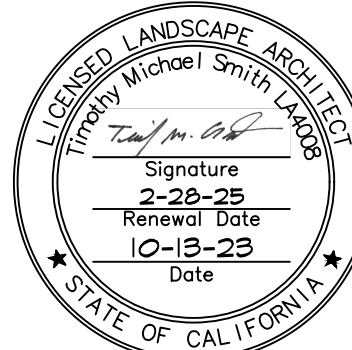
S-06	RIVERSTONE BENCH - 67L BY KINGS RIVER CASTING (MODEL NO. RV5B - 67). FRAME TO BE BRONZE STEEL TUBE, RECYCLED PLASTIC RAILS TO BE "REDWOOD" BENCH TO BE WITHOUT ARMS.	5	7/L-2.0
S-07	PICNIC TABLE BY WAUSAU (MODEL NO. TF3225); COLOR TO BE W25 WEATHERSTONE BROWN OR EQUAL. INSTALL PER MANUFACTURER'S STANDARDS.	2	
S-08	PET WASTE STATION. ROLL BAG SYSTEM, ROUND CAN WITH MATTE GREEN FINISH. SKU: DEPOT-006-B-GRN AVAIL. AT DOGWATERDEPOT.COM	1	



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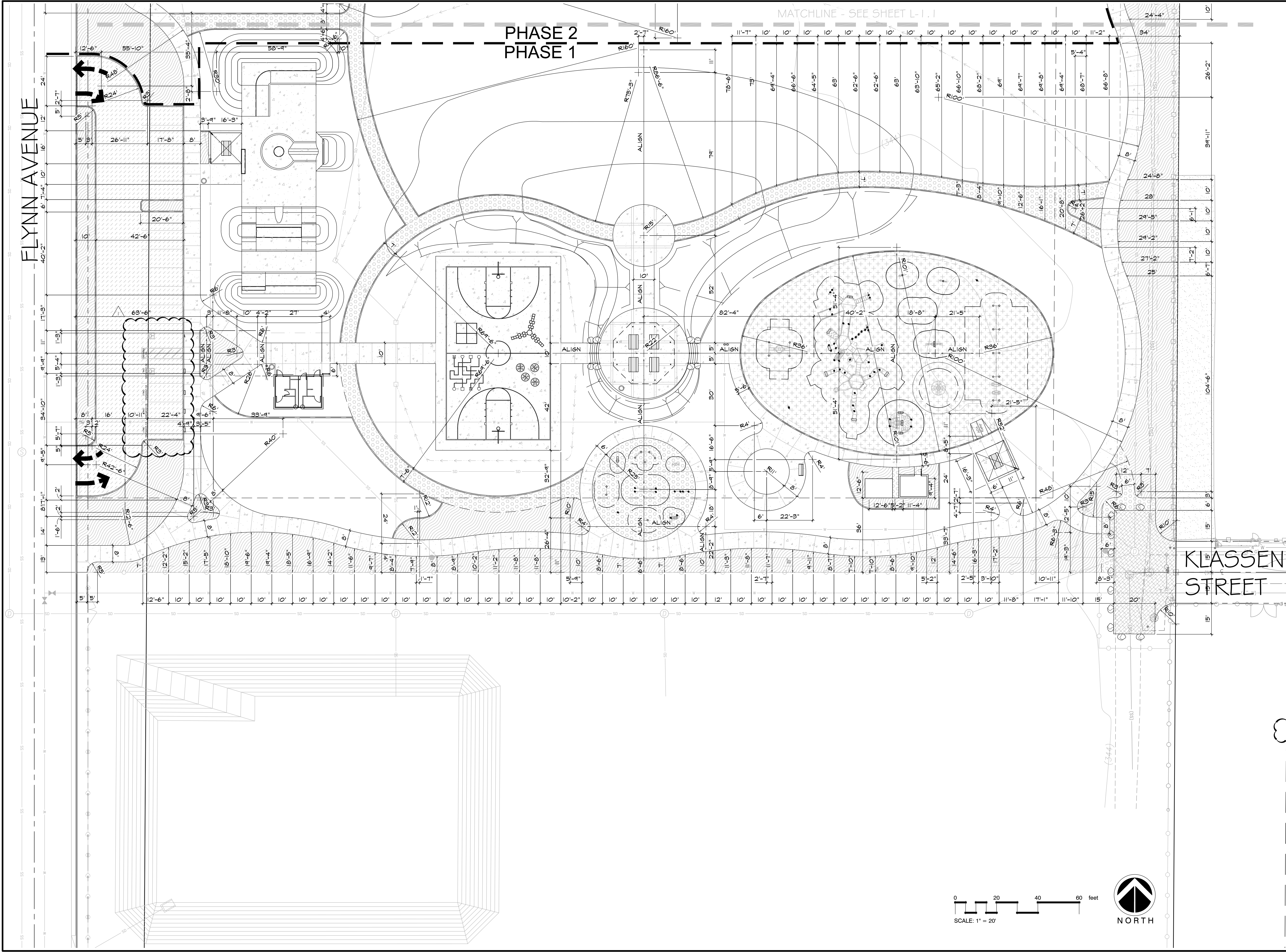
NORTH SHAFTER
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SHAFTER, CA 93263
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PRELIMINARY AMENITIES PLAN

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

Drawn By: **TEAM**
Checked By: _____
Date Issued: **10-13-2023**
Project No.: **22-036**
Scale: _____

Sheet
L-1.1
Of _____ Sheets

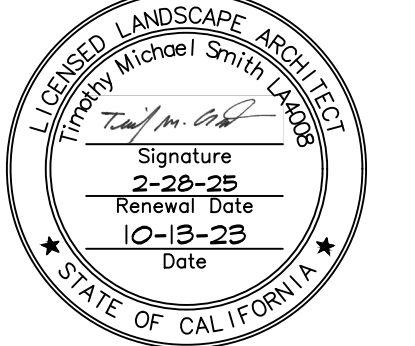




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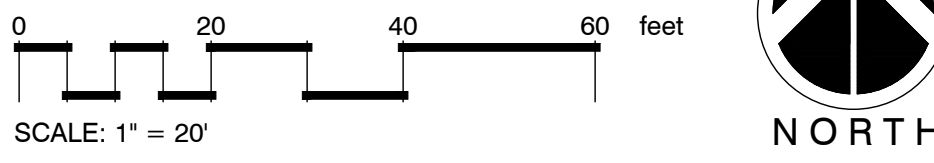
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904 FLYNN AVENUE

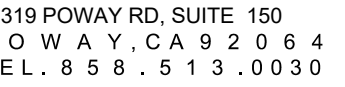
**PRELIMINARY
LAYOUT PLAN**

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

Drawn By: TEAM
Checked By:
Date Issued: 10-13-2023
Project No.: 22-036
Scale:

Sheet
L-1.2
Of Sheets





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PRELIMINARY LAYOUT PLAN

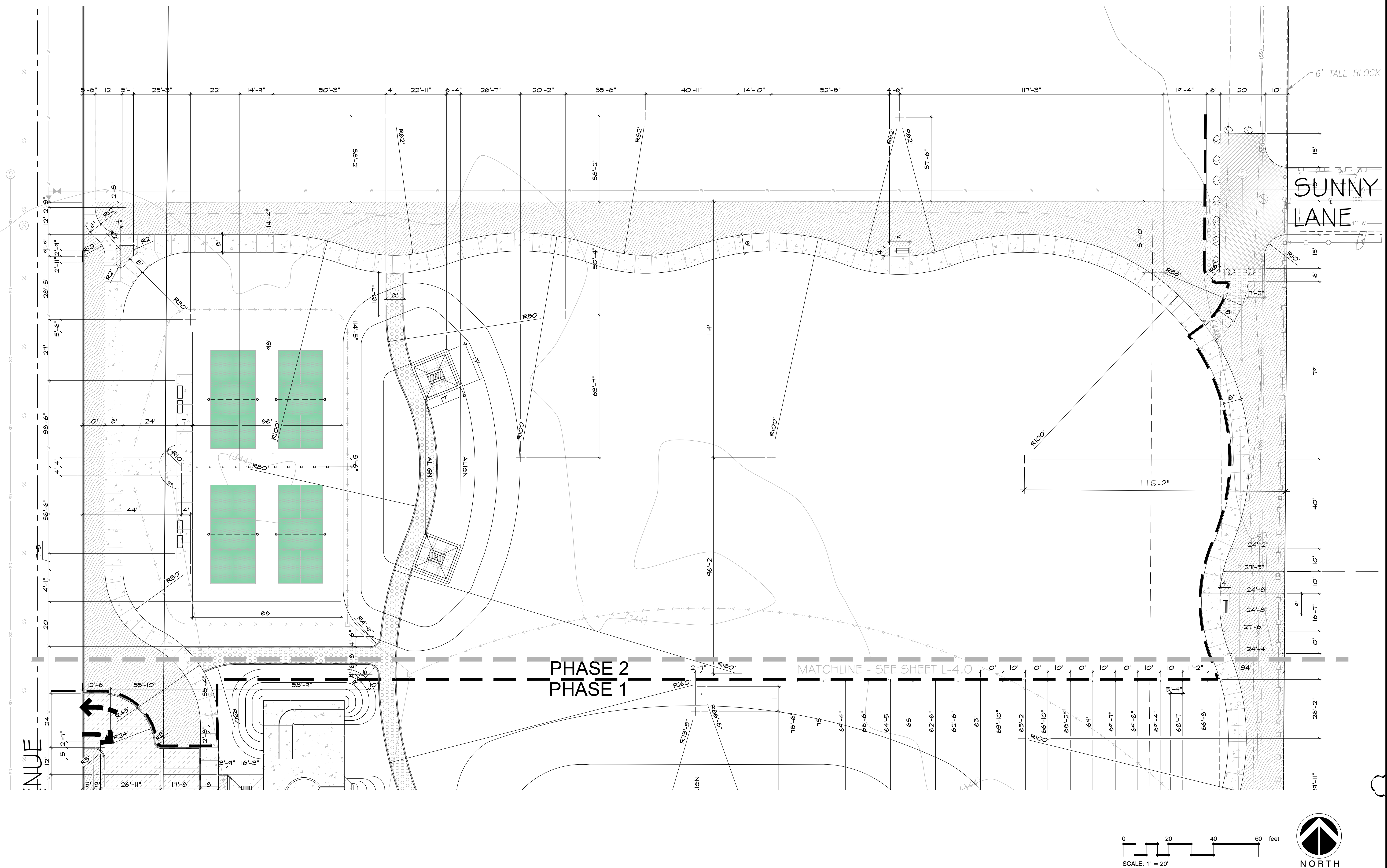
Revisions	By
-24-2024	TEAM
-3-2024	TEAM

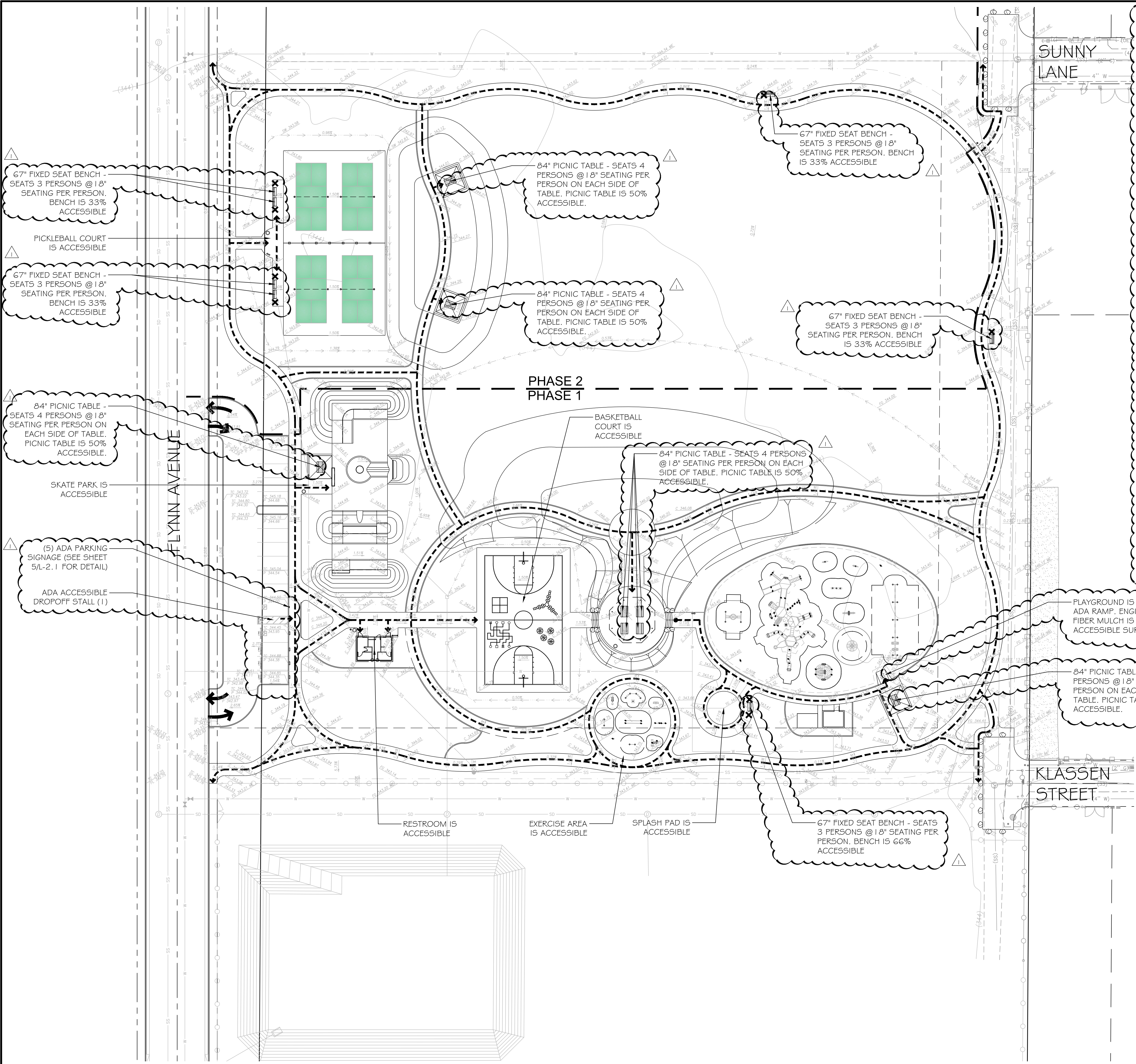
Drawn By TEAM
Checked By _____
Date Issued 10-13-2023
Project No. 22-036
Scale _____

Sheet

L-1.3

f Sheets





PARK ACCESSIBLE FURNITURE

TOTAL NUMBER OF BENCHES	TOTAL ACCESSIBLE BENCHES
7	7
TOTAL NUMBER OF BENCHES WITH ADJACENT WHEELCHAIR SPACE WITH FRONT ACCESS	TOTAL ACCESSIBLE BENCHES WITH ADJACENT WHEELCHAIR SPACE WITH FRONT ACCESS
7	7
*SEE L-1.2 & L-1.3 FOR ACCESSIBLE DIMENSION OF ADJACENT WHEELCHAIR SPACE	
TOTAL NUMBER OF PICNIC TABLES	TOTAL ACCESSIBLE PICNIC TABLES WITH ACCESSIBLE PATHS
8	8
*SEE L-1.2 & L-1.3 FOR ACCESSIBLE DIMENSION OF PICNIC TABLES	

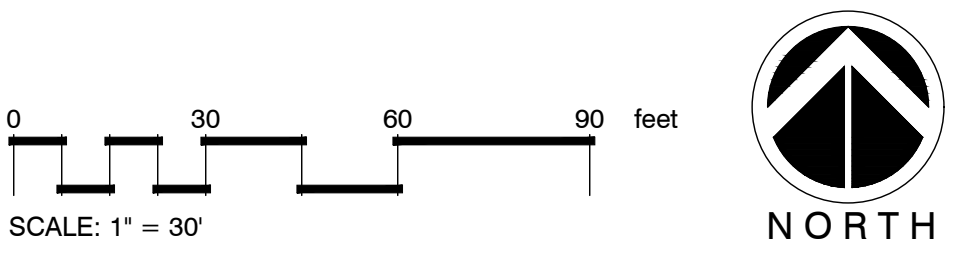
PARKING STATISTICS

TOTAL PARKING SPACE REQUIRED	TOTAL PARKING SPACE PROVIDED
0	16
TOTAL VAN ACCESSIBLE PARKING REQUIRED	TOTAL VAN ACCESSIBLE PARKING PROVIDED
1	1
TOTAL EV PARKING REQUIRED	TOTAL EV PARKING PROVIDED
4	4
TOTAL EV ACCESSIBLE PARKING REQUIRED	TOTAL EV ACCESSIBLE PARKING PROVIDED
1	1
NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE) REQUIRED	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE) PROVIDED
0	0

ACCESSIBLE FEATURES

---> ACCESSIBLE CIRCULATION

x WHEELCHAIR SPACE (36" X 48")



WYNN-SMITH
LANDSCAPE
ARCHITECTURE
INC.

13319 POWAY RD, SUITE 150
POWAY, CA 92064
TEL: 858.513.0030

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2-28-25
10-13-23

NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

PRELIMINARY
ACCESSIBLE PLAN

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

Drawn By: TEAM
Checked By:
Date Issued: 10-13-2023
Project No.: 22-036
Scale:

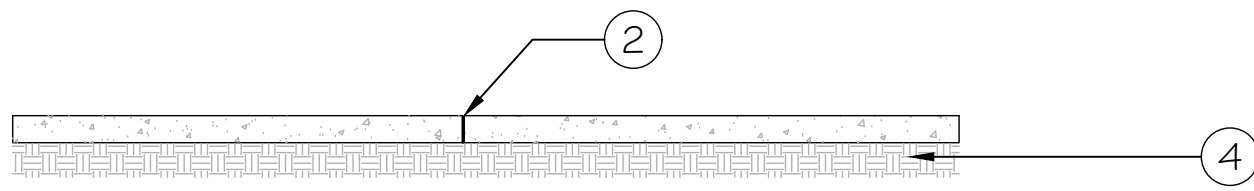
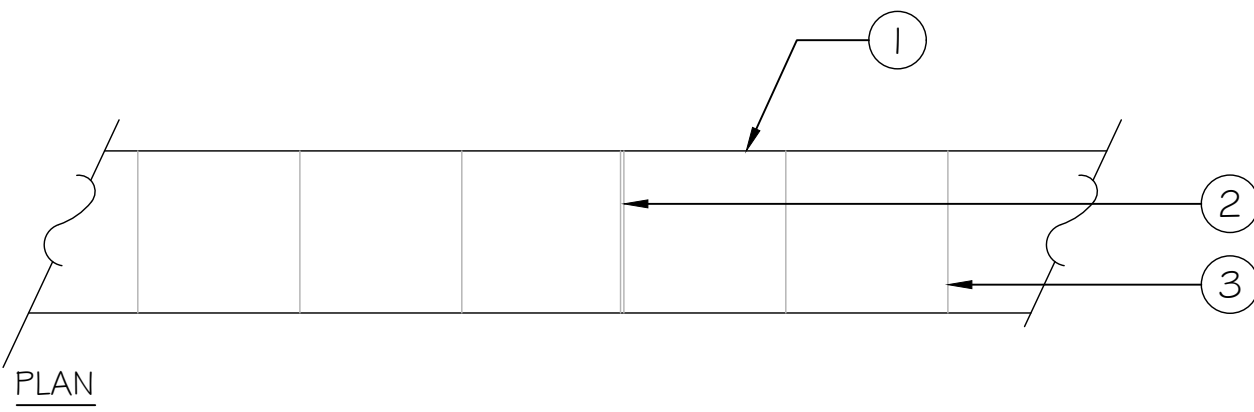
Sheet

L-1.4

Of Sheets

LEGEND

- 1 CONCRETE PAVING
- 2 3/8" EXP. JOINT @ 20' O.C. MAX. OR DEEP JOINTS @ 10' O.C. (UNLESS OTHERWISE SHOWN)
- 3 SAW-CUT JOINTS WHERE SHOWN
- 4 90% COMPACTED SUBGRADE



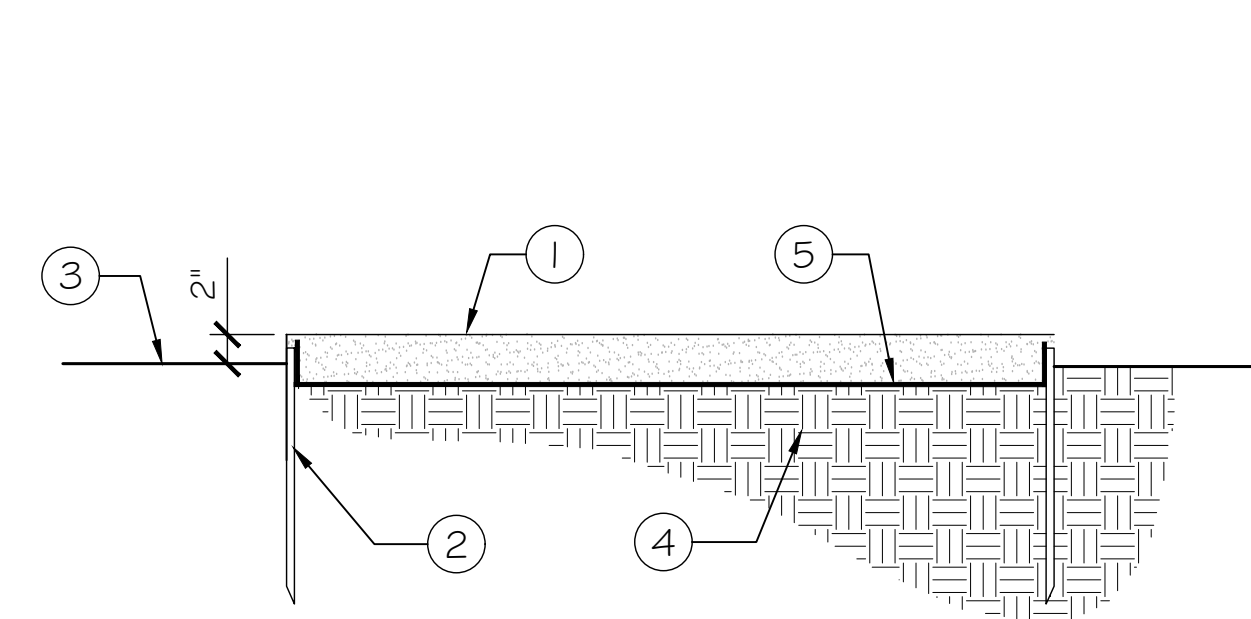
SECTION

1 CONCRETE PAVING

3/4" = 1'-0" P-18-NOR1-01

LEGEND

- 1 4" LAYER OF DECOMPOSED GRANITE 3/8", COLOR TO BE GOLD DUST.
- 2 ALUMINUM EDGING PER 3 L-2.0
- 3 FINISH GRADE
- 4 90% COMPACTED SUBGRADE
- 5 LIGHT WEIGHT NON-WOVEN FILTER FABRIC



2 STABILIZED DECOMPOSED GRANITE PAVING

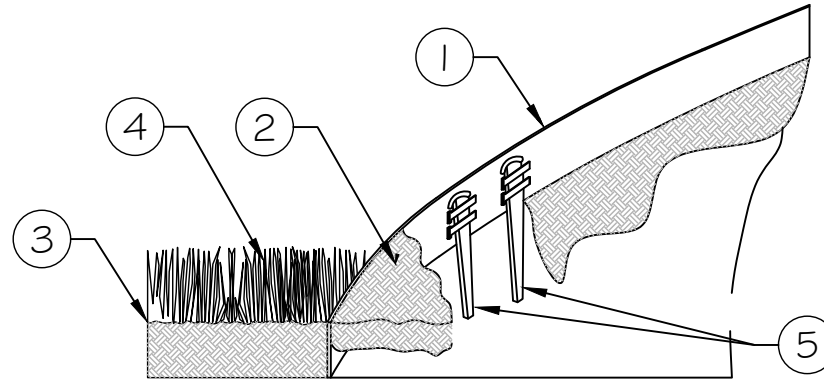
1" = 1'-0" P-18-NOR1-06

NOTES

1. D.G. STABILIZER TO BE BLENDED AT THE RATE OF 10 LBS. PER TON OF D.G., AVAIL. AT 1-800-336-2468.
2. D.G. PER REFERENCE NOTE SCHEDULE
3. INSTALL MOW CURB IN PLACE OF STEEL EDGING WHERE OCCURS ON PLAN

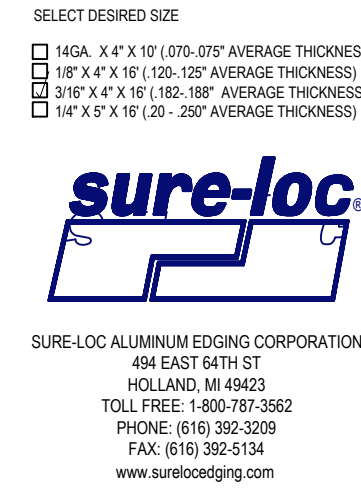
NOTES

1. DESIRED SIZE: 3/8" X 4" X 1/6" (.182" - .188" AVERAGE THICKNESS)
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
3. DO NOT SCALE DRAWINGS
4. CONTRACTOR'S NOTE: FOR PRODUCTS AND PURCHASING INFORMATION VISIT www.CADetails.com/info REFERENCE NUMBER 200-003



LEGEND

- 1 STEEL EDGING
- 2 SPECIFIED BEDDING MATERIAL
- 3 TOP OF EDGING NO MORE THAN 1/2" BELOW TOP OF EDGING
- 4 TURF
- 5 TAPERED STEEL STAKES TO INTERIOR OF BED AREA

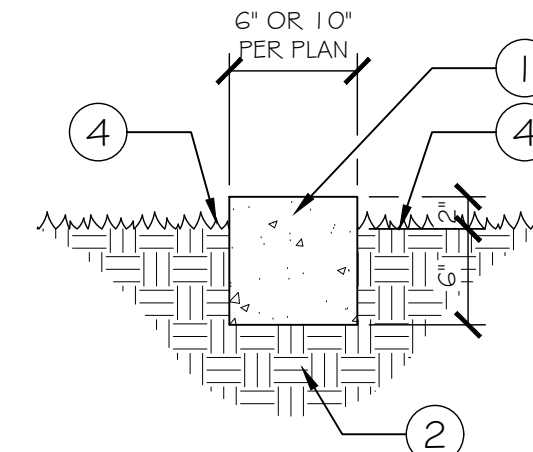
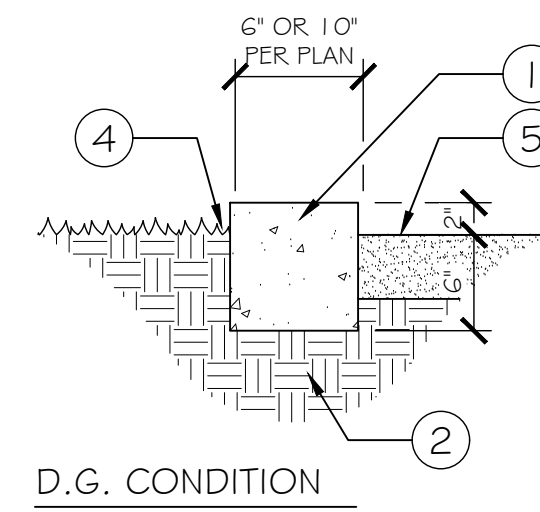


3 SURE-LOC ALUMINUM LANDSCAPE EDGING

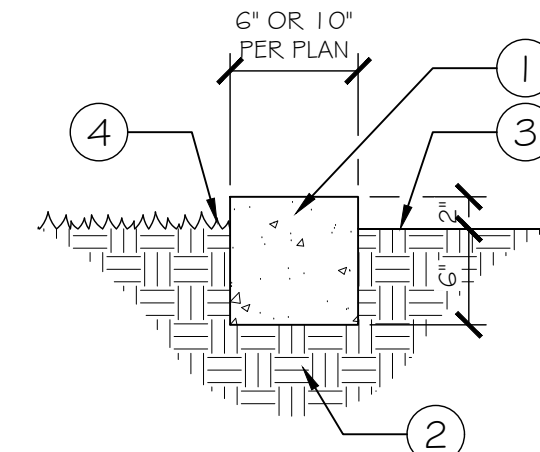
NOT TO SCALE P-18-NOR1-16

LEGEND

- 1 CONCRETE MOW CURB
- 2 COMPACTED SUBGRADE
- 3 ADJACENT PLANTING
- 4 ADJACENT LAWN
- 5 ADJACENT DECOMPOSED GRANITE



LAWN CONDITION



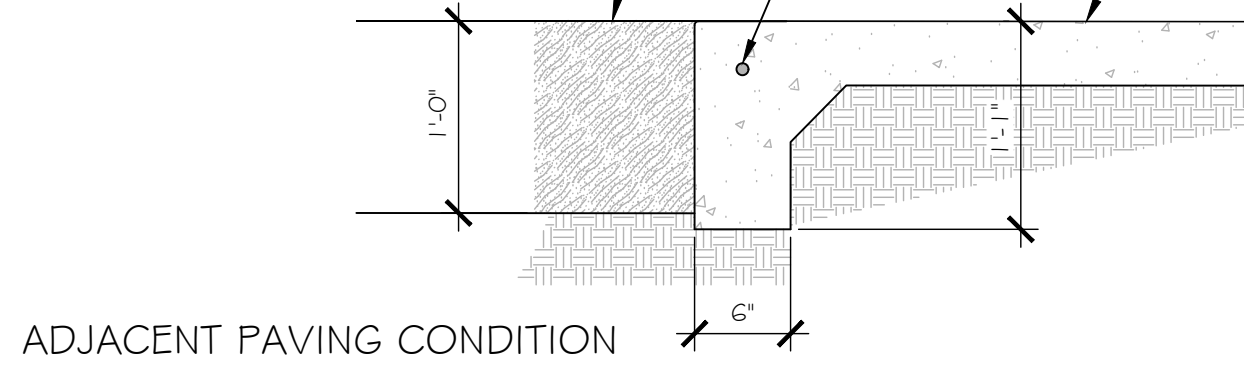
PLANTING CONDITION

4 CONCRETE MOW CURB

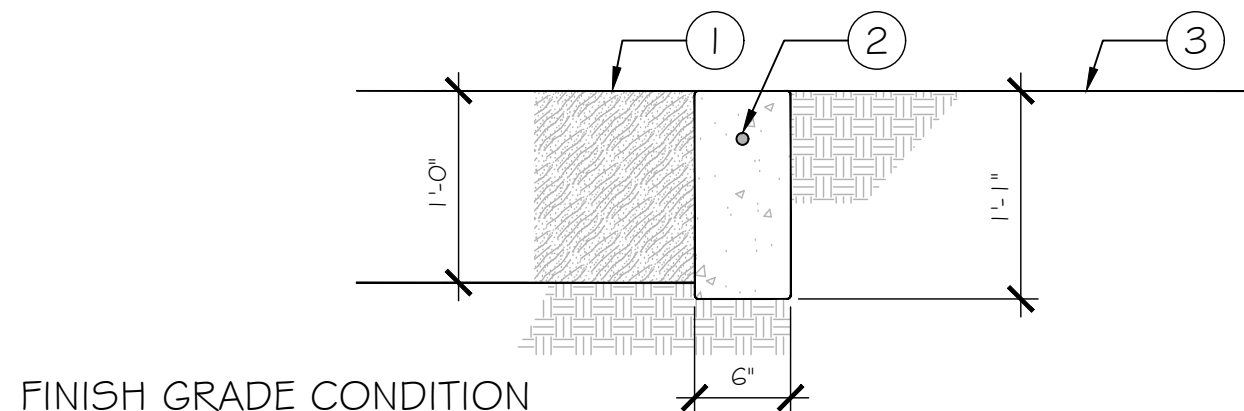
1" = 1'-0" P-18-NOR1-03

LEGEND

- 1 ENGINEERED WOOD FIBER
- 2 NO. 4 CONTINUOUS, 3" EMBEDMENT
- 3 FINISH GRADE
- 4 ADJACENT PAVING



ADJACENT PAVING CONDITION



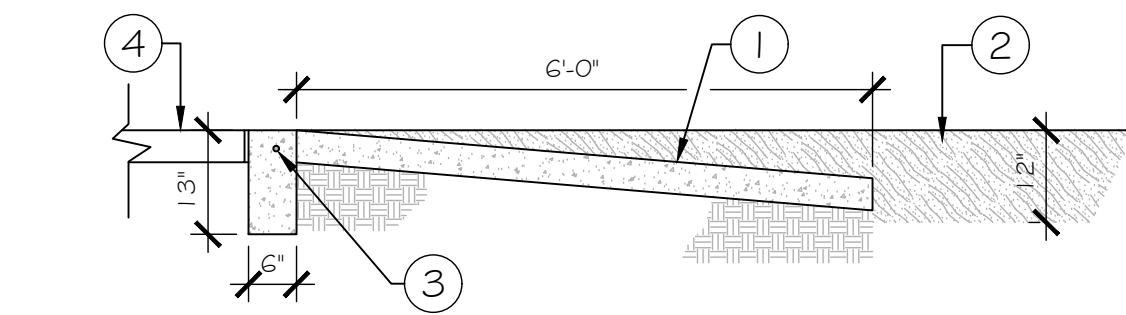
FINISH GRADE CONDITION

5 PLAYGROUND CURB

1" = 1'-0" P-18-NOR1-10

LEGEND

- 1 4" CONCRETE RAMP
- 2 ENGINEER WOOD FIBER
- 3 NO. 4 CONTINUOUS
- 4 CONCRETE WALK



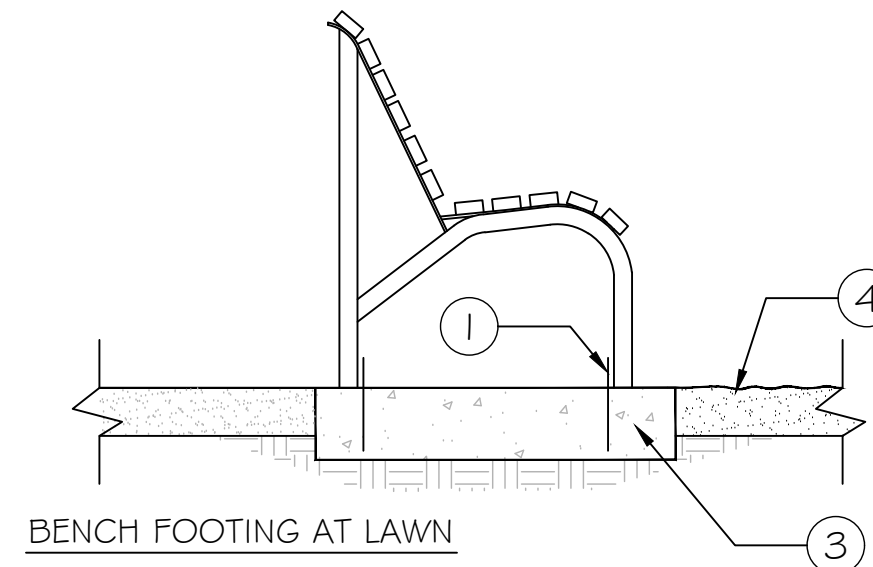
6 PLAYGROUND RAMP

1/4" = 1'-0" P-18-NOR1-09

LEGEND

- 1 3/8" x 2" EXP. ANCHOR, 4 PER BENCH
- 2 CONCRETE WALK
- 3 4" CONCRETE SLAB MINIMUM.
- 4 ADJACENT LAWN
- 5 DECOMPOSED GRANITE PAVING

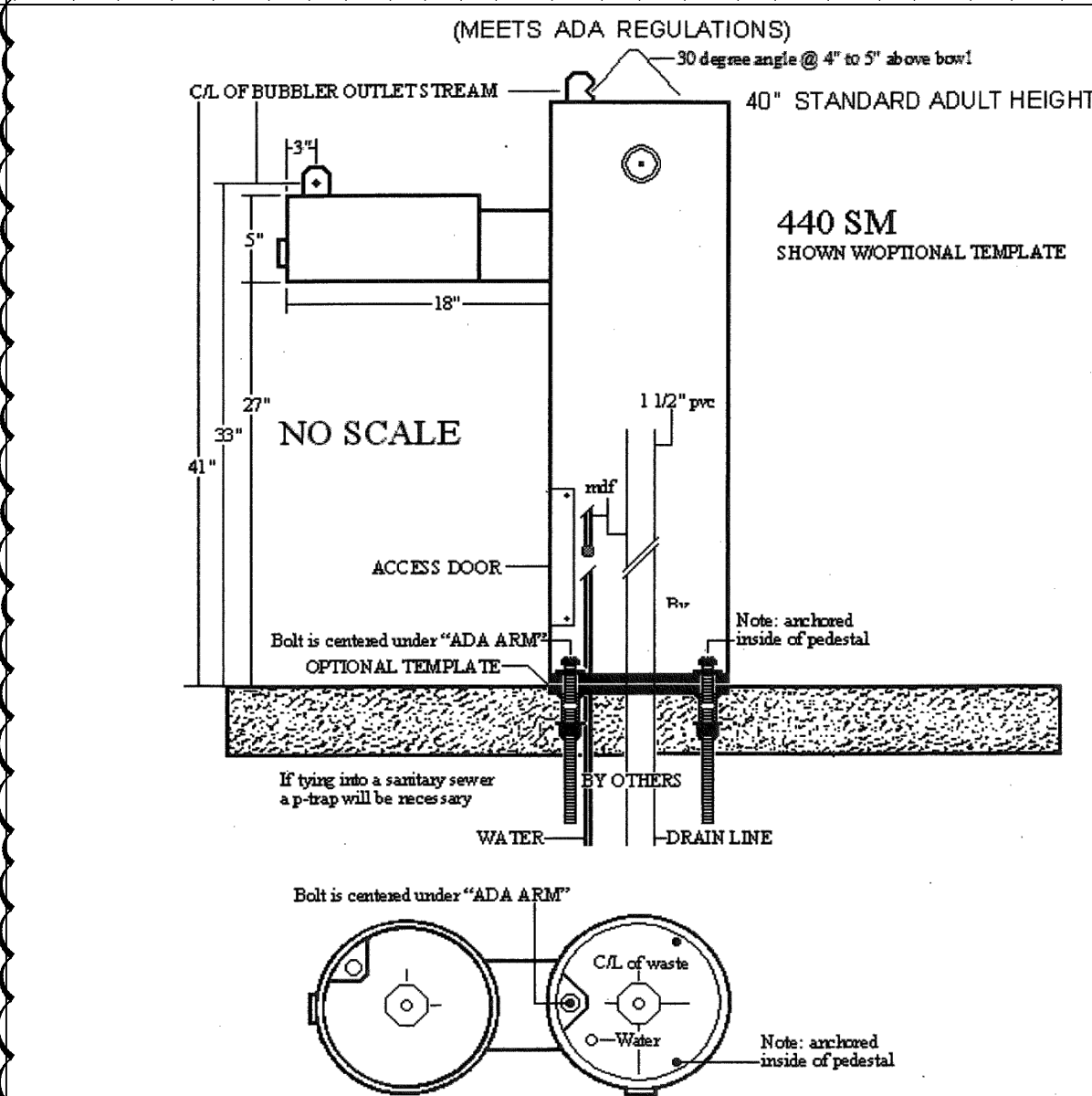
BENCH FOOTING AT CONCRETE PATH



BENCH FOOTING AT LAWN

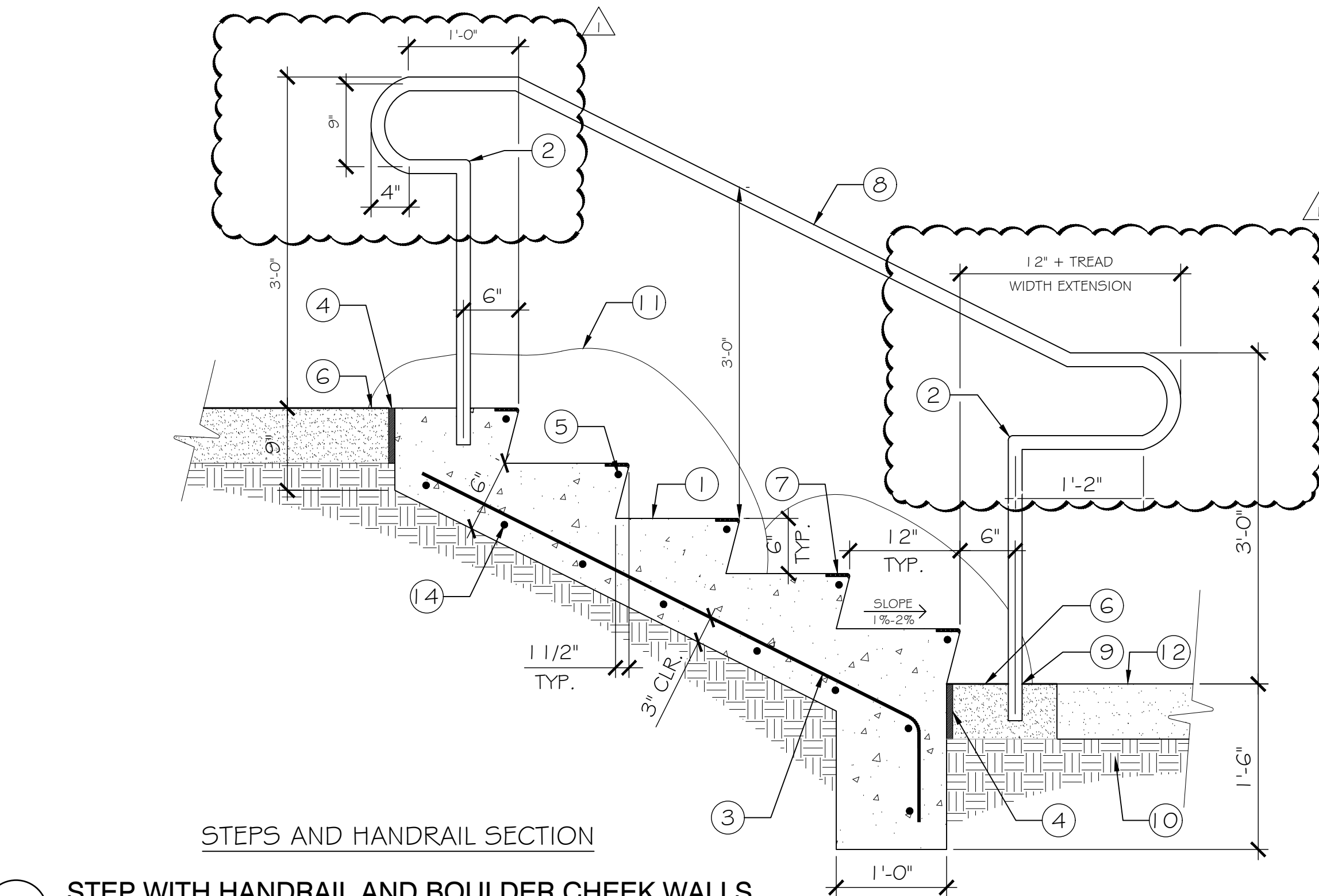
7 BENCH FOOTING

3/4" = 1'-0" P-18-NOR1-02



8 MODEL 440 SM DRINKING FOUNTAIN

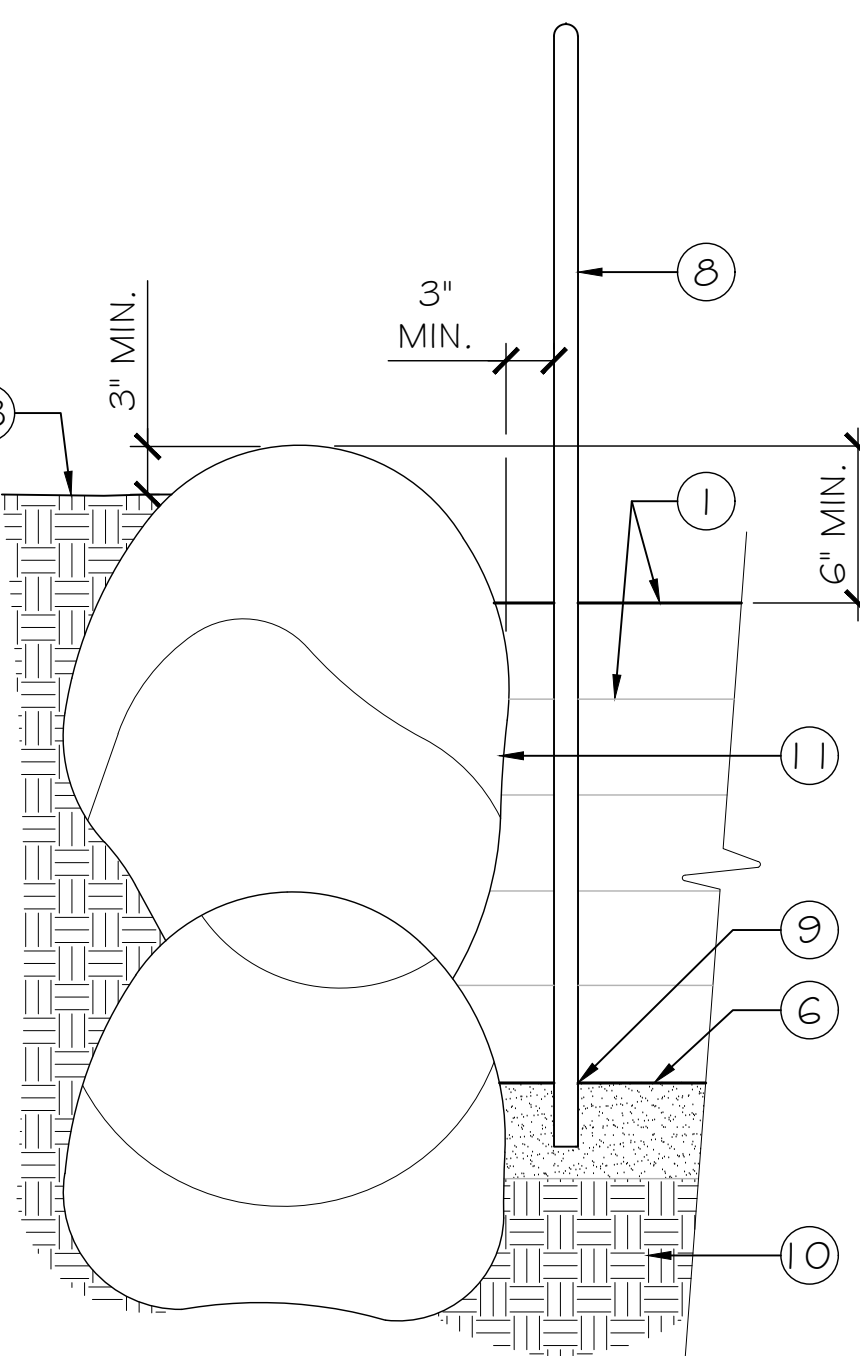
1" = 1'-0" P-18-NOR1-23



STEPS AND HANDRAIL SECTION

9 STEP WITH HANDRAIL AND BOULDER CHEEK WALLS

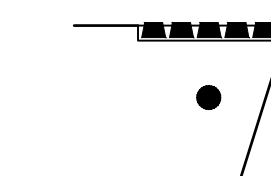
1" = 1'-0"



HANDRAIL IN CONCRETE

NOTE:

1. BOULDERS TO BE PLACED BEFORE CONCRETE STEPS ARE POURED
2. QUANTITY OF STEPS MAY VARY.
3. LOCATE HANDRAILS ON BOTH SIDES UNLESS OTHERWISE SPECIFIED ON PLAN.
4. HANDRAIL SHALL COMPLY WITH CBC 2019. CONTRACTOR SHALL REVIEW ALL HANDRAIL DETAILS WITH THE CITY BUILDING OFFICIAL BEFORE FABRICATION OR INSTALLATION.



ribbed SAFETY NOSING- AMERICAN SAFETY TREAD CO. (800)245-4881 MODEL NO. 3511 PRODUCT MUST MEET REQUIREMENTS OF CBC 11B-504.4.1

LEGEND

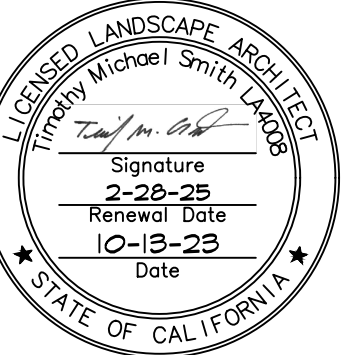
- 1 MEDIUM BROOM FINISH CONCRETE STEPS, SWEEP PERPENDICULAR TO PATH OF TRAVEL
- 2 1/2" RADIUS CORNERS - TYP.
- 3 #4 BAR 9" O.C. E.W., 3" MIN. CLEARANCE FROM FACE
- 4 3/8" WIDE FELT EXPANSION JOINTS, TOP AND BOTTOM AND SIDE OF STAIRS WHERE AGAINST CONCRETE
- 5 #3 NOSING BAR, BEND DOWN 4" AT ENDS
- 6 ADJACENT CONCRETE PAVING
- 7 RIBBED SAFETY NOSING - SEE ENLARGEMENT THIS DETAIL
- 8 1 1/2" DIA. HEAVY WALL TUBE STEEL - APPLY 1 COAT PRIMER AND 2 COATS BLACK ENAMEL PAINT. ALL PIPE TO BE GALVANIZED.
- 9 SET POST WITH POR-ROC OR EQUAL NON-SHRINK GROUT
- 10 90% COMPACTED SUBGRADE
- 11 BOULDERS AT SIDE OF STEPS
- 12 FINISH SURFACE
- 13 BACKFILL
- 14 #4 BAR 9" O.C.
- 15 ENGINEERED WOOD FIBER MULCH PER PLAN
- 16 CONCRETE FOOTING



WYNN-SMITH LANDSCAPE ARCHITECTURE INC.

13319 POWAY RD, SUITE 150
POWAY, CA 92064
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NORTH SHAFTER COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

PRELIMINARY
CONSTRUCTION
DETAILS

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

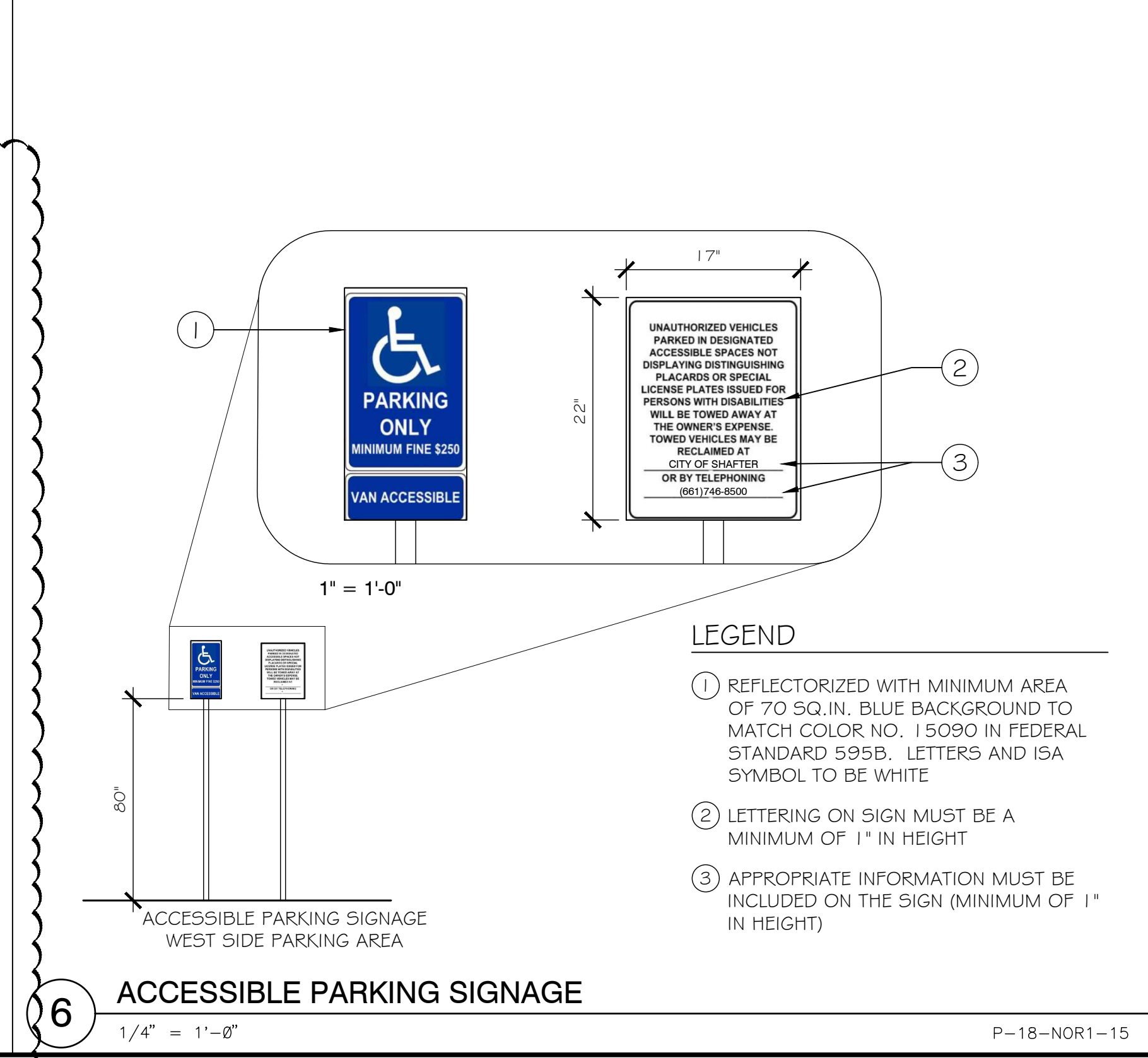
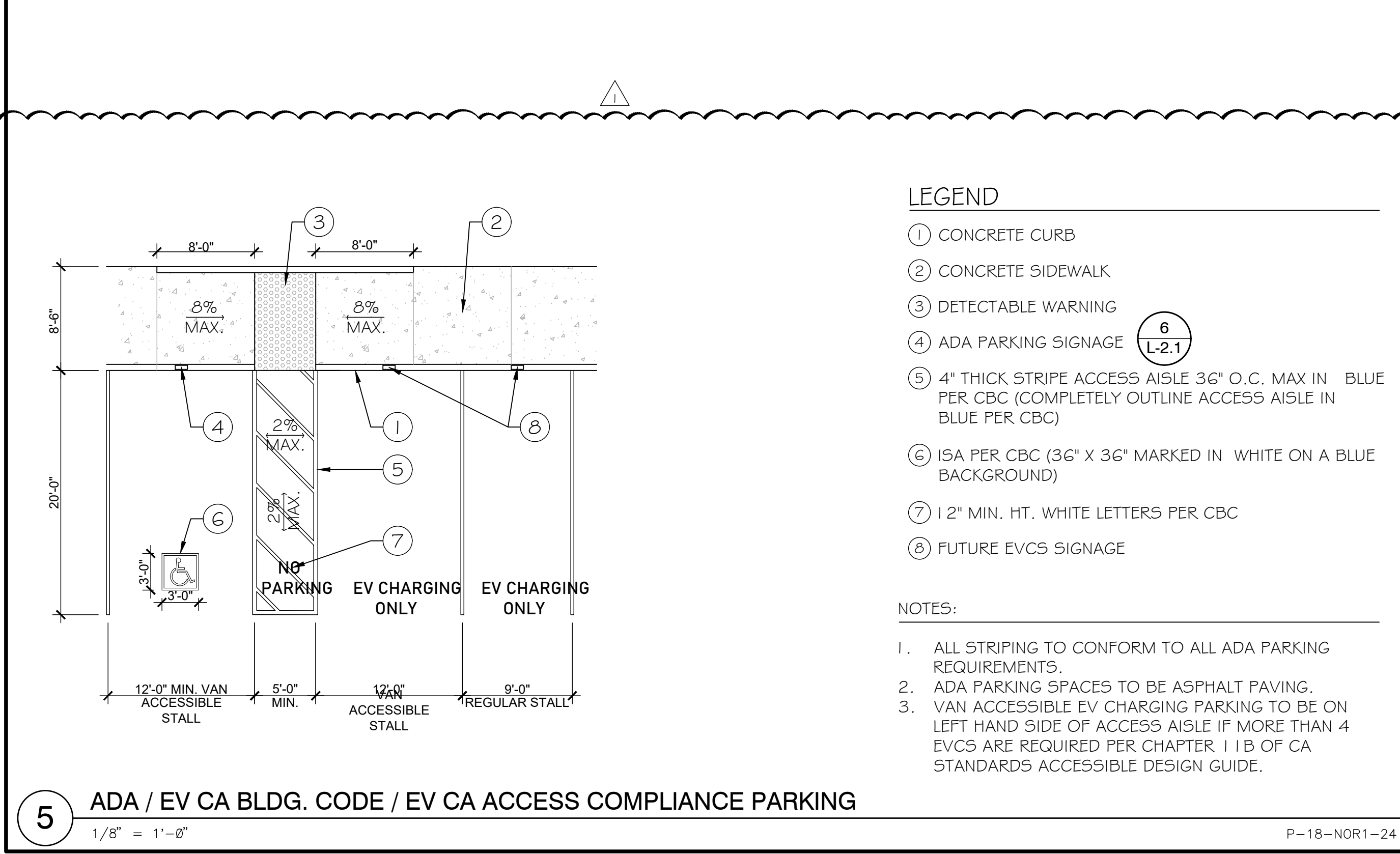
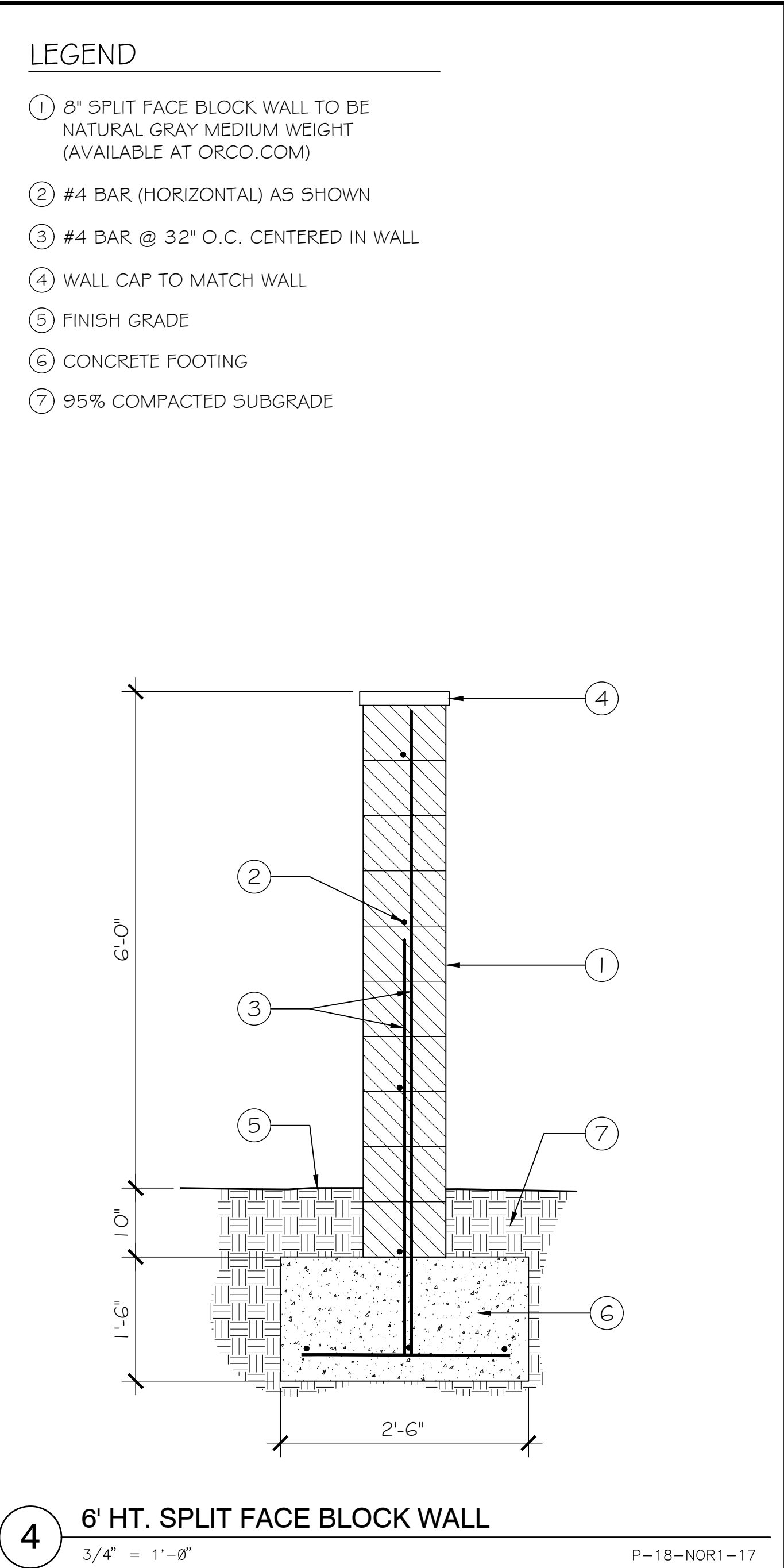
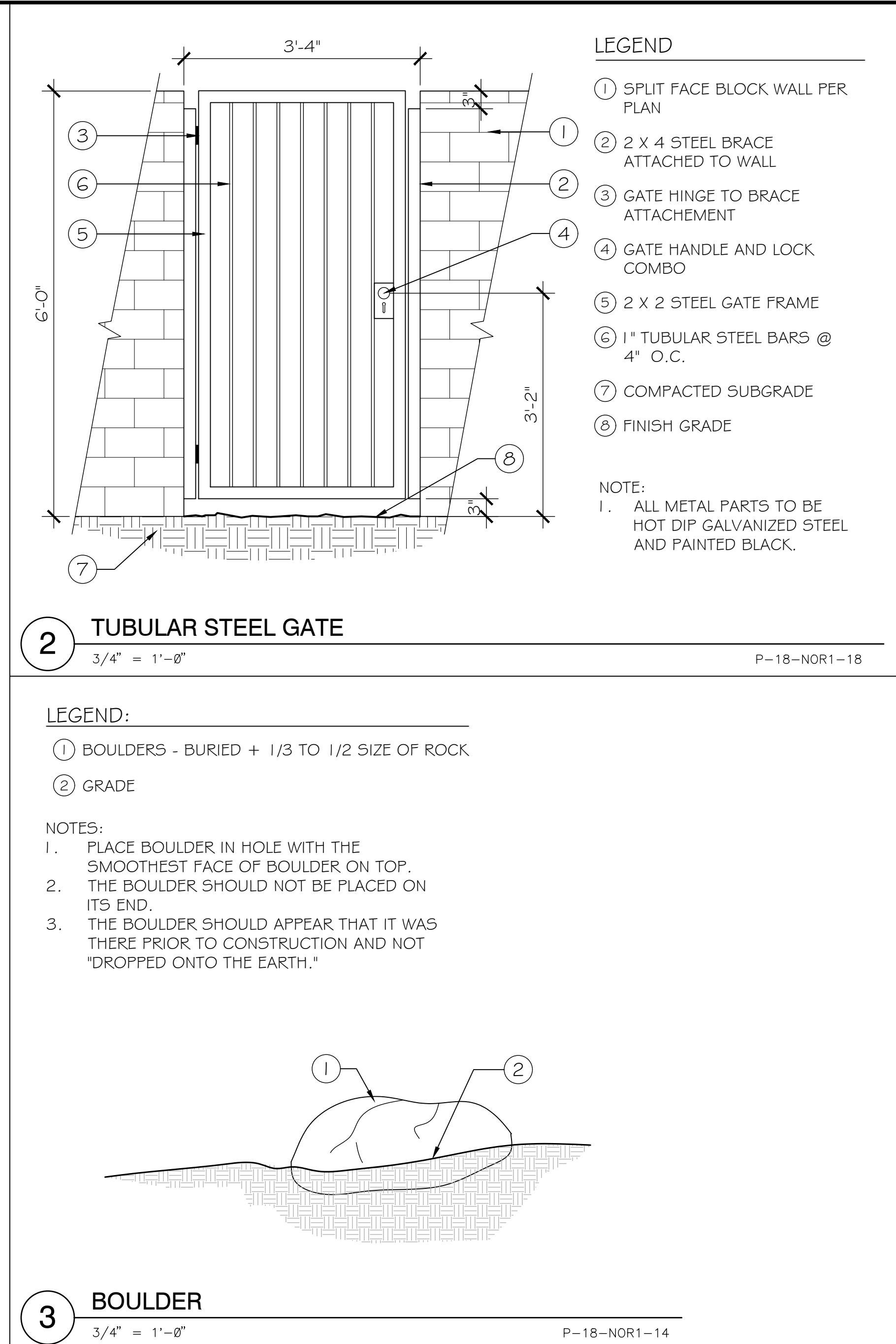
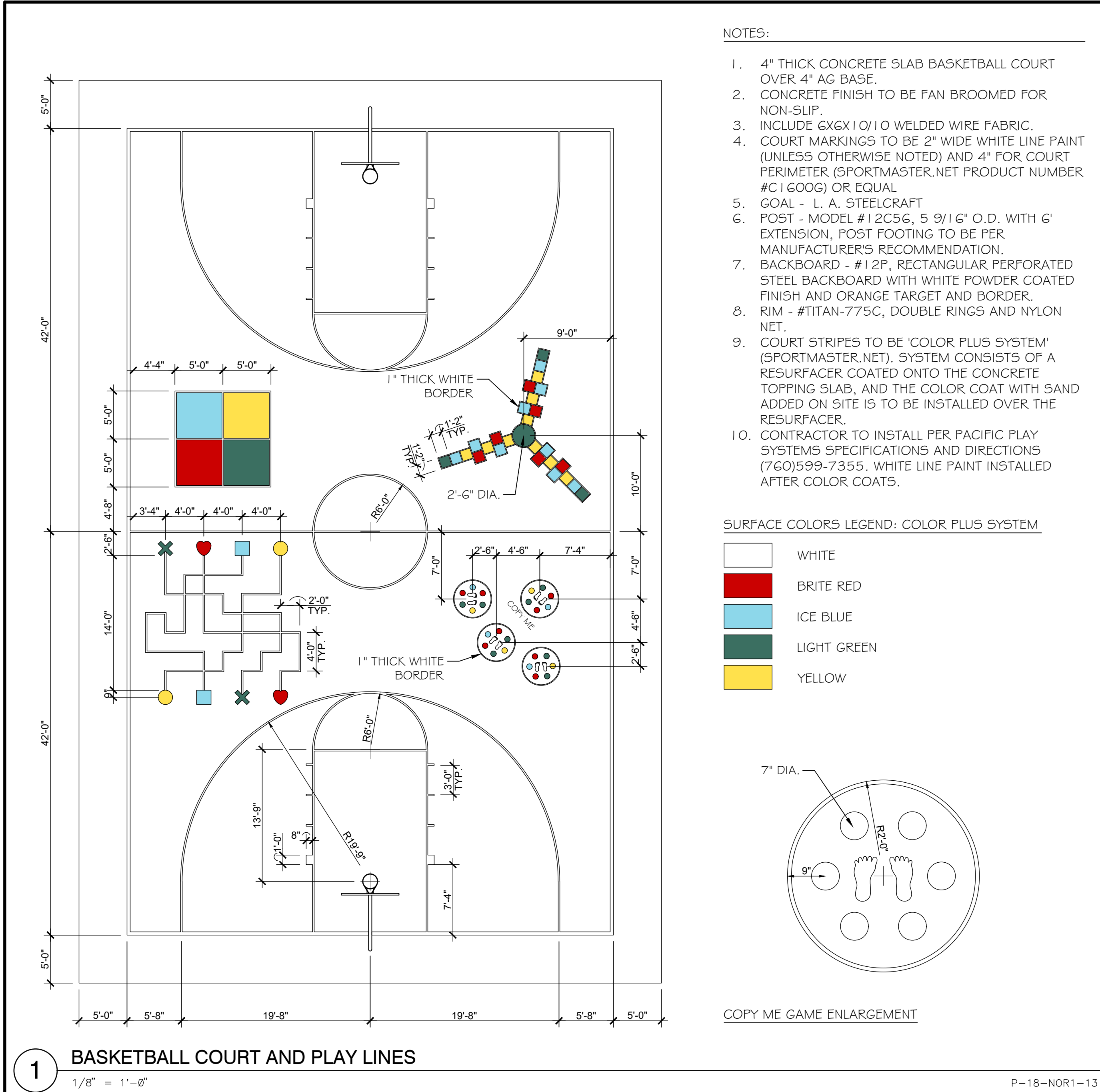
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Checked By:
Date Issued: 10-13-2023
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Of Sheets

P-18-NOR1-12



WSLA

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LICENSED LANDSCAPE ARCHITECT

Wynne Michael Smith-Lander

Signature

2-28-25

Renewal Date

10-13-23

Date

STATE OF CALIFORNIA

NORTH SHAFTER COMMUNITY PARK

SHAFTER, CA 93263

904 FLYNN AVENUE

PRELIMINARY CONSTRUCTION DETAILS

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4-24-2024	TEAM
7-3-2024	TEAM

Drawn By

TEAM

Checked By

Date Issued

10-13-2023

Project No.

22-036

Scale

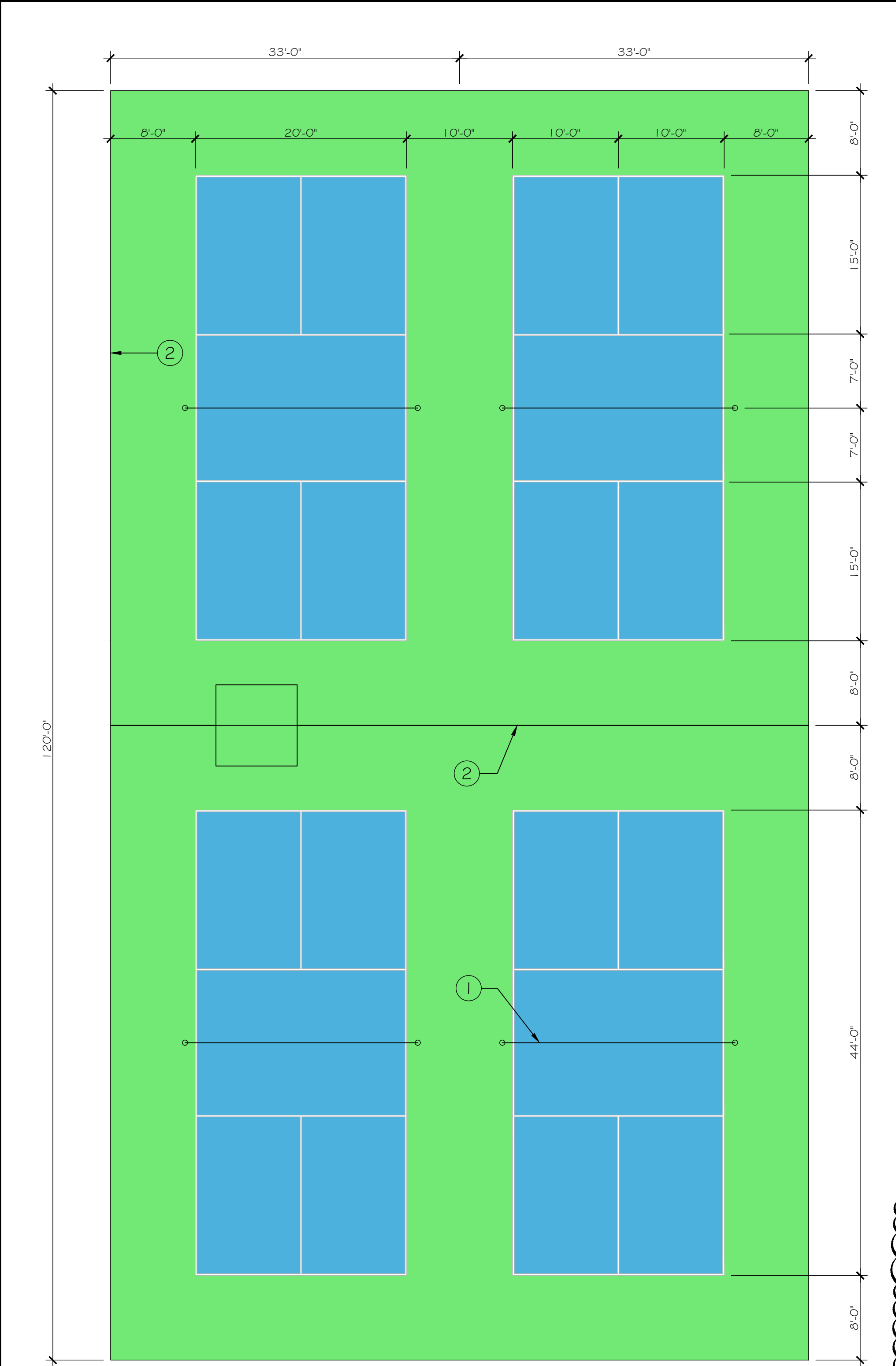
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Of

Sheets

Page 134 of 395



LEGEND:

- ① PICKLEBALL COURT POST AND ANCHOR
- ② COURT FENCE

NOTES:

- COURT MARKERS TO BE 2" WIDE WHITE LINE PAINT (SPORTMASTER.NET PRODUCT NUMBER #C1600G).
- INSIDE OF COURT TO BE BLUE PAINT (SPORTMASTER.NET PRODUCT NUMBER #C1384G).
- OUTSIDE OF COURT TO BE LIGHT GREEN (SPORTMASTER.NET PRODUCT NUMBER #C1372G).
- NET, POST AND ANCHOR INSTALLATION PER SEPARATE DETAIL.
- COURT TOPPING TO BE 'COLOR PLUS SYSTEM' OR APPROVED EQUAL, AVAILABLE AT SPORTMASTER.NET. SYSTEM CONSISTS OF A RESURFACER COATED ONTO THE CONCRETE TOPPING SLAB, AND THE COLOR COAT WITH SAND ADDED ON SITE IS TO BE INSTALLED OVER THE RESURFACER.
- CONTRACTOR TO INSTALL PER PACIFIC PLAY SYSTEMS SPECIFICATIONS AND DIRECTIONS (760)599-7355. WHITE LINE PAINT INSTALLED AFTER COLOR COATS.
- CONCRETE PAVING TO BE INSTALLED PER BASKETBALL COURT SPECS.

1 PICKLEBALL COURT
1/8" = 1'-0"

LEGEND

- ① TCS - EDWARDS GROUND SLEEVES FOR ROUND 2 7/8" OD TENNIS POSTS (PAIR) (ONE PAIR PER COURT) OR APPROVED EQUAL
- ② TCS - DOUGLAS SW DELUXE PICKLEBALL NET POSTS 2 7/8" OR APPROVED EQUAL
- ③ TCS - DOUGLAS PICKLEBALL NET OR APPROVED EQUAL
- ④ FINISH SURFACE
- ⑤ CONCRETE FOOTING
- ⑥ SUBGRADE

NOTES:

- WHEN INSTALLING POST, MAKE SURE THE HEIGHT OF POST IS 1" ABOVE NET CORD. THE HEIGHT WILL BE ABOUT 3' ABOVE COURT SURFACE.
- POST SHOULD BE SPACED 22' APART (MEASURED CENTER-TO-CENTER).
- GROUND SLEEVE: WHILE POURING THE CONCRETE, HOLD THE GROUND SLEEVE IN PLACE, PLUGGED END DOWN. USE A PLUMB LINE TO SET THE SLEEVE POINTING STRAIGHT UP. LET CONCRETE DRY. CAREFULLY SET THE POSTS IN GROUND SLEEVES. ADJACENT SET SCREW TO TIGHTEN TENNIS POST CAP.
- SCREW ON TOP AND BOTTOM EYEBOLTS TO EACH POST.
- FOOTING SIZE SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
- POSTS AND NET PER SPORTMASTER.NET
- CONTRACTOR TO INSTALL PER PACIFIC PLAY SYSTEMS SPECIFICATIONS AND DIRECTIONS (760)599-7355.

2 PICKLE BALL COURT POST AND ANCHOR
1/2" = 1'-0"

P-18-NOR1-20

LEGEND:

- ① BLACK VINYL COATED CHAIN LINK FENCE
- ② 2" DIA. STEEL POST @ 8' O.C. MAX.
- ③ FINISH GRADE
- ④ CONCRETE FOOTING
- ⑤ 2" DIA. TOP AND BOTTOM RAILS
- ⑥ TIES OR CLIPS @ 1' O.C. MAX.
- ⑦ TENSION BARS HELD IN PLACE BY HOOKS @ 1' O.C. MAX. TYP.

NOTES:

- ALL POSTS, RAILING AND FRAMES TO BE PAINTED BLACK.

CHAIN LINK FENCE
3/4" = 1'-0"

P-18-NOR1-21

RIVERSTONE BENCH - 67L

FRAME

- Material: 2"x1" Steel tube
- Finish: Electro static powder coating
- Color: Black, White, Green, Tan, Dk. Brown, Dk. Green, Bronze and Blue.

PLASTIC RAILS

- Material: Polyethylene
- Number of Rails: 44
- Finish: Color or Redwood

WOOD RAILS

- Material: #2
- Number of Rails: 44
- Finish: Standard

HARDWARE

- Carriage Bolts: 5/16"x1-1/2" Stainless Steel (24)
- Nuts: 5/16" Stainless Steel (24)
- Back Rest: 2"x3/16" Flat Bar Support
- Leg Support: 2"-1/2"x3/16" Flat Bar Support

BOLT DOWN DETAIL

Riverstone benches are equipped for permanent attachment. Surface mount hardware not included.

RIVERSTONE BENCH
1/2" = 1'-0"

P-18-NOR1-25

WS LA

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TEL: 858.513.0030

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LICENSED LANDSCAPE ARCHITECT

Wynn Michael Smith-Lander

Signature: *Wynn Michael Smith-Lander*

2-28-25
Renewal Date: 10-13-23
Date

STATE OF CALIFORNIA

NORTH SHAFTER COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

PRELIMINARY CONSTRUCTION DETAILS

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

Drawn By: **TEAM**

Checked By: _____

Date Issued: **10-13-2023**

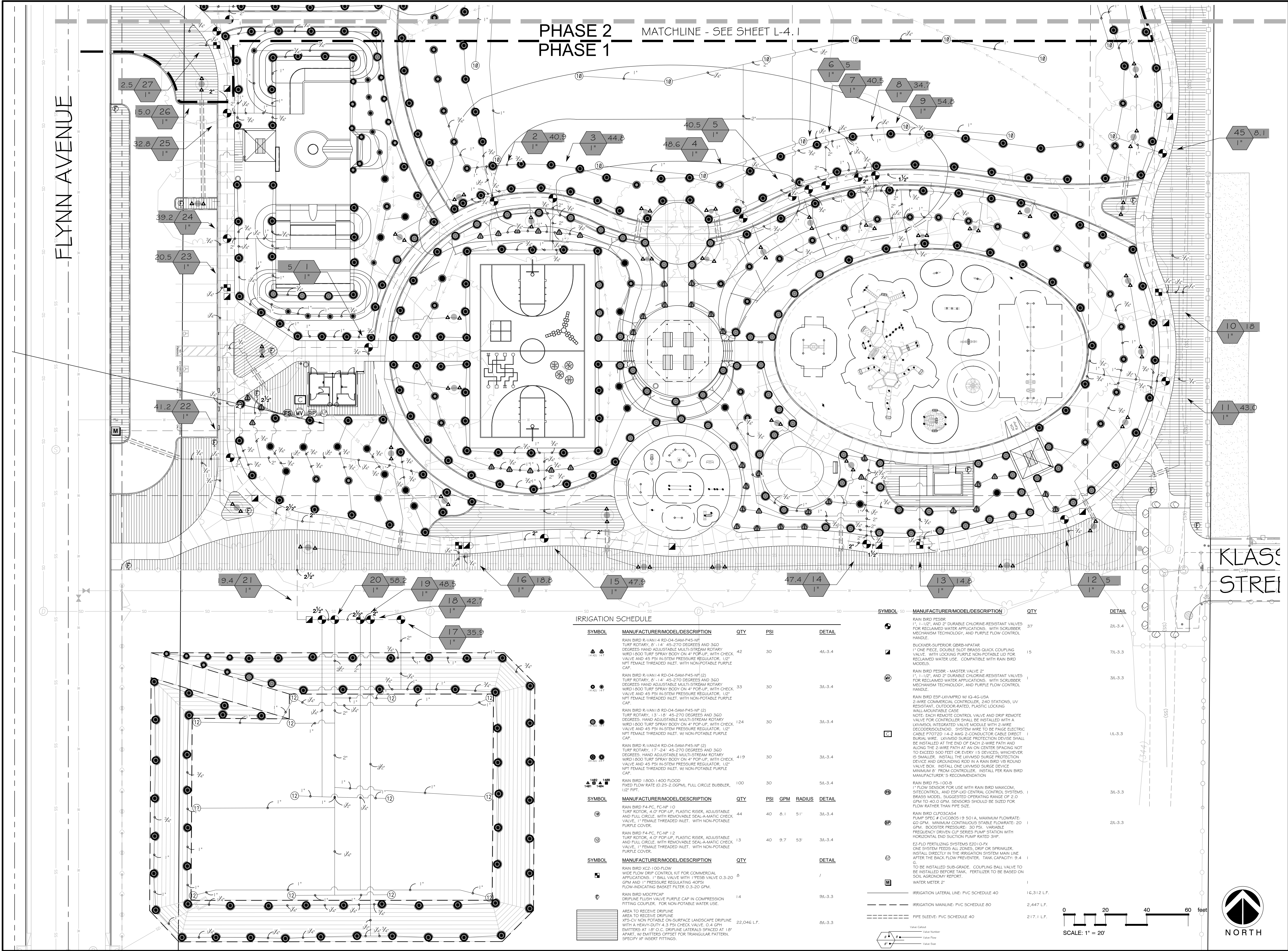
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Scale: _____

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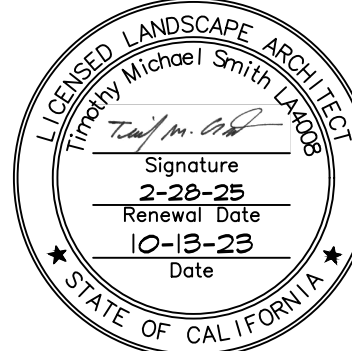
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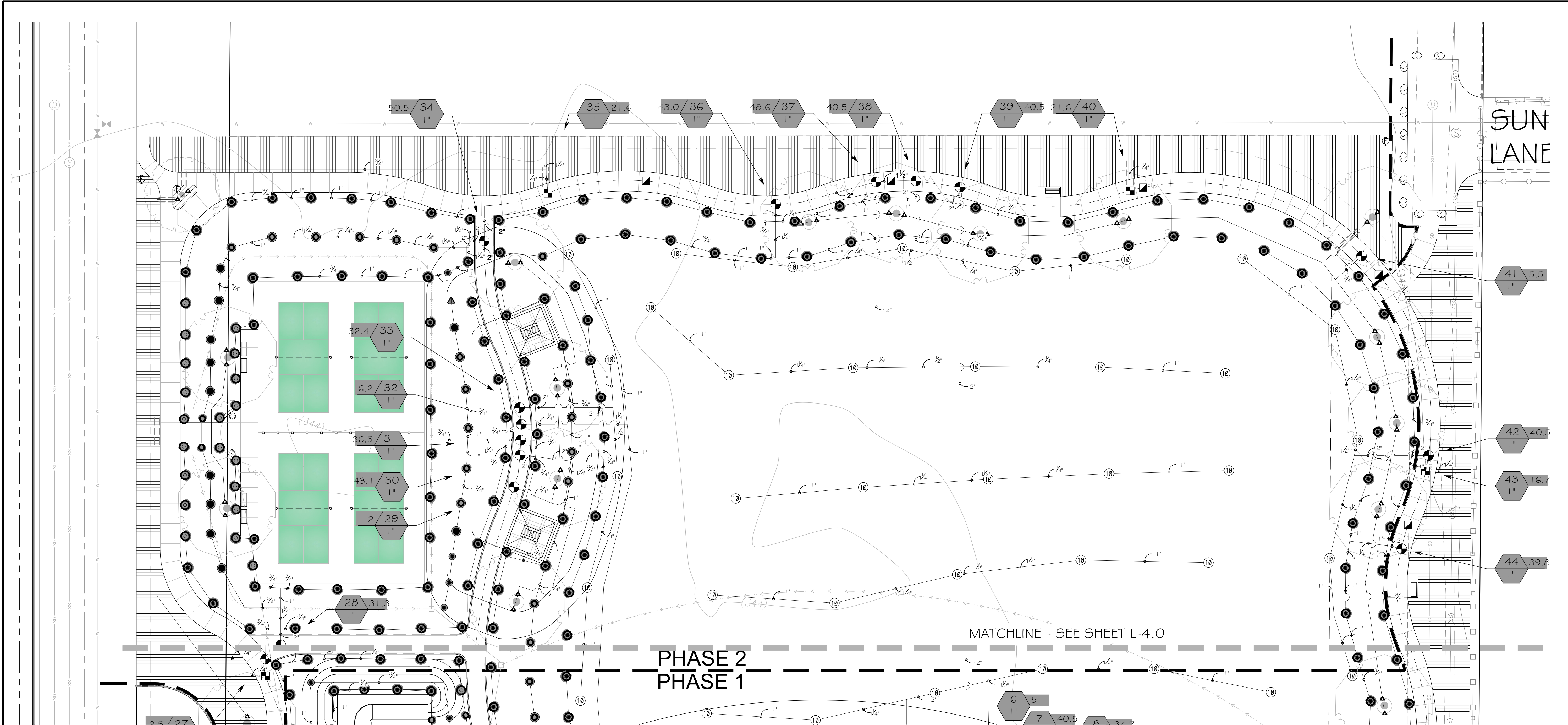
NORTH SHAFTER
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SHAFTER, CA 93263
904 FLYNN AVENUE

PRELIMINARY
IRRIGATION PLAN

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

Drawn By: TEAM
Checked By: _____
Date Issued: 10-13-2023
Project No.: 22-036
Scale: _____

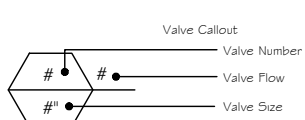
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IRRIGATION SCHEDULE

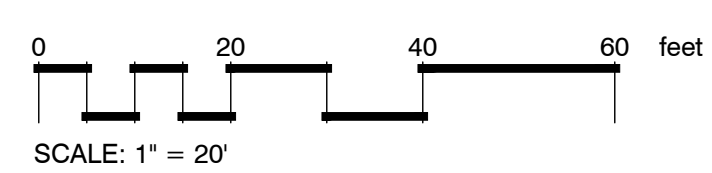
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL		
	RAIN BIRD R-VAN 1/4 RD-04-SAM-P45-NP (2) TURF ROTARY, 8-14-45-270 DEGREES AND 360 DEGREES HAND ADJUSTABLE MULTI-STREAM ROTARY W/1600 TURF SPRAY BODY ON 4" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR, 1/2" NPT FEMALE THREADED INLET, WITH NON-POTABLE PURPLE CAP.	42	30	41-3.4		
	RAIN BIRD R-VAN 1/4 RD-04-SAM-P45-NP (2) TURF ROTARY, 8-14-45-270 DEGREES AND 360 DEGREES HAND ADJUSTABLE MULTI-STREAM ROTARY W/1600 TURF SPRAY BODY ON 4" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR, 1/2" NPT FEMALE THREADED INLET, WITH NON-POTABLE PURPLE CAP.	33	30	31-3.4		
	RAIN BIRD R-VAN 1/4 RD-04-SAM-P45-NP (2) TURF ROTARY, 13-18-45-270 DEGREES AND 360 DEGREES HAND ADJUSTABLE MULTI-STREAM ROTARY W/1600 TURF SPRAY BODY ON 4" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR, 1/2" NPT FEMALE THREADED INLET, WITH NON-POTABLE PURPLE CAP.	124	30	31-3.4		
	RAIN BIRD R-VAN 1/4 RD-04-SAM-P45-NP (2) TURF ROTARY, 17-24-45-270 DEGREES AND 360 DEGREES HAND ADJUSTABLE MULTI-STREAM ROTARY W/1600 TURF SPRAY BODY ON 4" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR, 1/2" NPT FEMALE THREADED INLET, WITH NON-POTABLE PURPLE CAP.	419	30	31-3.4		
	RAIN BIRD R-VAN 1/4 RD-04-SAM-P45-NP (2) TURF ROTARY, 17-24-45-270 DEGREES AND 360 DEGREES HAND ADJUSTABLE MULTI-STREAM ROTARY W/1600 TURF SPRAY BODY ON 4" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR, 1/2" NPT FEMALE THREADED INLET, WITH NON-POTABLE PURPLE CAP.	100	30	56-3.4		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS	DETAIL
	RAIN BIRD F4-PC, FC-NP 10 TURF ROTOR, 4.0" POP-UP, PLASTIC RISER, ADJUSTABLE AND FULL CIRCLE, WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1" FEMALE THREADED INLET, WITH NON-POTABLE PURPLE COVER.	44	40	6.1	51'	31-3.4
	RAIN BIRD F4-PC, FC-NP 12 TURF ROTOR, 4.0" POP-UP, PLASTIC RISER, ADJUSTABLE AND FULL CIRCLE, WITH REMOVABLE SEAL-A-MATIC CHECK VALVE, 1" FEMALE THREADED INLET, WITH NON-POTABLE PURPLE COVER.	13	40	9.7	53'	31-3.4
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL			
	RAIN BIRD KC2-100-FLOW WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS, 1" BALL VALVE WITH 1" PRESSURE REGULATOR, 40PSI GPM AND 1" PRESSURE REGULATING 40PSI GPM INDICATING BASKET FILTER 0.3-20 GPM.	6	31-3.3			
	RAIN BIRD MCDFPCA DIAPHRAGM FLUSH VALVE PURPLE CAP IN COMPRESSION FITTING COUPLER, FOR NON-POTABLE WATER USE.	14	31-3.3			
	AREA TO RECEIVE DRIPLINE AREA TO RECEIVE DRIPLINE XFS-CV NON POTABLE ON SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 4.5 PSI CHECK VALVE, 0.6 GPM EMITTERS AT 18" O.C., DRIPLINE LATERALS SPACED AT 18" APART, W/ EMITTERS OFFSET FOR TRIANGULAR PATTERN. SPECIFY IF INSERT FITTINGS.	22,046 L.F.	31-3.3			

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	RAIN BIRD FESBR 1", 1-1/2", AND 2" DURABLE CHLORINE-RESISTANT VALVES FOR RECLAIMED WATER APPLICATIONS, WITH SCRUBBER MECHANISM TECHNOLOGY, AND PURPLE FLOW CONTROL HANDLE.	37	26-3.4
	BUCKNER-SUPERIOR QMB-NP/ATK 1" ONE PIECE, DOUBLE SLOT BRASS QUICK COUPLING VALVE, WITH LOCKING PURPLE NON-POTABLE LID FOR RECLAIMED WATER USE, COMPATIBLE WITH RAIN BIRD MODELS.	15	7A-3.3
	RAIN BIRD FESBR - MASTER VALVE 2 1", 1-1/2", AND 2" DURABLE CHLORINE-RESISTANT VALVES FOR RECLAIMED WATER APPLICATIONS, WITH SCRUBBER MECHANISM TECHNOLOGY, AND PURPLE FLOW CONTROL HANDLE.	1	3A-3.3
	RAIN BIRD ESP-LVXVPRO W/ IQ-4G-USA 2-WIRE COMMERCIAL CONTROLLER, 240 STATIONS, UV RESISTANT, OUTDOOR-RATED, PLASTIC LOOKING WALL-MOUNTABLE CASE. NOTE: EACH REMOTE CONTROL VALVE AND DRIP REMOTE VALVE FOR CONTROLLER SHALL BE INSTALLED WITH A UNIVISIO INTEGRATED VALVE MODULE WITH 2-WIRE DECODER/SEND. SYSTEM WIRE TO BE FAISE ELECTRIC CABLE #7072D 14-2 AWG 2-CONDUCTOR CABLE DIRECT BURIAL WIRE. UNIVISIO SURGE PROTECTION DEVICE SHALL BE INSTALLED AT THE END OF EACH 2-WIRE PATH AND ALONG THE 2-WIRE PATH AT AN ON CENTER SPACING NOT TO EXCEED 500 FEET OR EVERY 15 DEVICES, WHICHEVER IS SMALLER. INSTALL ONE UNIVISIO SURGE PROTECTION DEVICE AND GROUNDING ROD IN A RAIN BIRD VIB ROUND VALVE BOX. INSTALL ONE UNIVISIO SURGE DEVICE MINIMUM 5' FROM CONTROLLER. INSTALL PER RAIN BIRD MANUFACTURER'S RECOMMENDATION.	1	1A-3.3
	RAIN BIRD FS-100-B 1" FLOW SENSOR FOR USE WITH RAIN BIRD MAXIMOM SITECONTROL, AND ESP-LVXO CENTRAL CONTROL SYSTEMS, 1 BRASS MODEL, SUGGESTED OPERATING RANGE OF 2.0 GPM TO 40.0 GPM. SENSORS SHOULD BE SIZED FOR FLOW RATHER THAN PIPE SIZE.	1	3A-3.3
	RAIN BIRD CLOSCAS4 PUMP SPEC # CV00605 (9.50 I/A, MAXIMUM FLOWRATE: 60 GPM, MINIMUM CONTINUOUS STABLE FLOWRATE: 20 GPM, BOOSTER PRESSURE: 30 PSI, VARIABLE FREQUENCY DRIVEN CLIP SERIES PUMP STATION WITH HORIZONTAL END SUCTION PUMP RATED 3HP.	1	26-3.3
	EZ-FLO FERTILIZING SYSTEMS E201QX ONE SYSTEM FEEDS ALL ZONES, DRIP OR SPRINKLER. INSTALL DIRECTLY IN THE IRRIGATION SYSTEM MAIN LINE AFTER THE BACK FLOW PREVENTER. TANK CAPACITY: 9.4 G.	1	31-3.3
	IRRIGATION LATERAL LINE - PVC SCHEDULE 40	16,312 L.F.	
	IRRIGATION MAINLINE - PVC SCHEDULE 80	2,447 L.F.	
	PIPE SLEEVE - PVC SCHEDULE 40	217.1 L.F.	



VALVE SCHEDULE

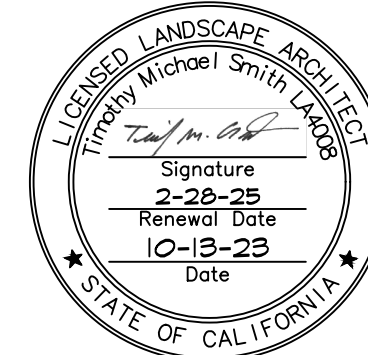
NUMBER	MODEL	SIZE	TYPE	GPM	PSI	PSI @ POC	PRECIP
1	RAIN BIRD FESBR	1"	BUBBLER	5	30.5	30.9	7.66 in
2	RAIN BIRD FESBR	1"	TURF ROTARY	40.93	32.6	37.9	0.78 in
3	RAIN BIRD FESBR	1"	TURF ROTARY	44.82	32.5	39.1	0.98 in
4	RAIN BIRD FESBR	1"	TURF ROTOR	48.6	44.0	53.5	0.34 in
5	RAIN BIRD FESBR	1"	TURF ROTOR	40.5	43.4	50.6	0.34 in
6	RAIN BIRD FESBR	1"	BUBBLER	5	30.5	31.0	7.66 in
7	RAIN BIRD FESBR	1"	TURF ROTARY	40.5	42.4	49.9	0.61 in
8	RAIN BIRD FESBR	1"	TURF ROTARY	34.69	33.3	39.1	0.61 in
9	RAIN BIRD FESBR	1"	TURF ROTARY	54.78	33.4	47.0	0.76 in
10	RAIN BIRD KC2-100-FLOW	1"	AREA FOR DRIPLINE	18	54.4	56.4	0.43 in
11	RAIN BIRD FESBR	1"	TURF ROTARY	42.98	32.6	41.8	0.69 in
12	RAIN BIRD FESBR	1"	BUBBLER	5	31.4	31.9	7.66 in
13	RAIN BIRD KC2-100-FLOW	1"	AREA FOR DRIPLINE	14.70	54.1	55.5	0.42 in
14	RAIN BIRD FESBR	1"	TURF ROTARY	47.41	33.1	43.0	0.9 in
15	RAIN BIRD FESBR	1"	TURF ROTARY	47.57	33.1	40.2	1.03 in
16	RAIN BIRD KC2-100-FLOW	1"	AREA FOR DRIPLINE	18.82	54.6	55.8	0.43 in
17	RAIN BIRD FESBR	1"	TURF ROTARY	35.91	35.1	39.5	0.65 in
18	RAIN BIRD FESBR	1"	TURF ROTARY	42.73	35.6	41.3	0.58 in
19	RAIN BIRD FESBR	1"	TURF ROTOR	48.5	45.3	52.2	1.66 in
20	RAIN BIRD FESBR	1"	TURF ROTOR	58.2	43.1	52.5	0.84 in
21	RAIN BIRD FESBR	1"	TURF ROTOR	19.4	43.0	44.3	0.41 in
22	RAIN BIRD FESBR	1"	TURF ROTARY	41.19	32.1	35.6	0.82 in
23	RAIN BIRD KC2-100-FLOW	1"	AREA FOR DRIPLINE	20.49	57.4	58.4	0.43 in
24	RAIN BIRD FESBR	1"	TURF ROTARY	39.19	35.0	36.6	0.88 in
25	RAIN BIRD FESBR	1"	TURF ROTARY	32.76	35.0	36.0	0.92 in
26	RAIN BIRD KC2-100-FLOW	1"	AREA FOR DRIPLINE	14.99	54.1	55.1	0.43 in
27	RAIN BIRD FESBR	1"	BUBBLER	2.5	30.5	30.9	7.66 in
28	RAIN BIRD FESBR	1"	TURF ROTARY	31.32	32.6	35.8	0.81 in
29	RAIN BIRD FESBR	1"	BUBBLER	2	30.2	30.6	7.66 in
30	RAIN BIRD FESBR	1"	TURF ROTARY	43.12	32.3	40.3	0.8 in
31	RAIN BIRD FESBR	1"	TURF ROTARY	36.49	31.9	37.8	0.89 in
32	RAIN BIRD FESBR	1"	TURF ROTOR	16.2	43.8	45.3	1.63 in
33	RAIN BIRD FESBR	1"	TURF ROTOR	32.4	42.5	47.4	0.65 in
34	RAIN BIRD FESBR	1"	TURF ROTARY	50.53	35.2	47.8	0.88 in
35	RAIN BIRD KC2-100-FLOW	1"	AREA FOR DRIPLINE	21.59	54.4	57.3	0.43 in
36	RAIN BIRD FESBR	1"	TURF ROTARY	43.03	35.2	47.1	0.61 in
37	RAIN BIRD FESBR	1"	TURF ROTOR	48.6	44.0	59.6	0.37 in
38	RAIN BIRD FESBR	1"	TURF ROTOR	40.5	42.2	53.6	0.7 in
39	RAIN BIRD FESBR	1"	TURF ROTOR	40.5	43.6	59.2	0.33 in
40	RAIN BIRD KC2-100-FLOW	1"	AREA FOR DRIPLINE	21.57	54.4	56.2	0.43 in
41	RAIN BIRD FESBR	1"	BUBBLER	5.5	31.4	32.1	7.66 in
42	RAIN BIRD FESBR	1"	TURF ROTOR	40.5	42.3	53.2	0.65 in
43	RAIN BIRD KC2-100-FLOW	1"	AREA FOR DRIPLINE	16.72	54.2	56.4	0.43 in
44	RAIN BIRD FESBR	1"	TURF ROTARY	39.62	34.0	43.8	0.58 in
45	RAIN BIRD FESBR	1"	TURF ROTOR	8.1	40.5	41.2	1.37 in



CRITICAL ANALYSIS

Generated:	2024-06-21 15:34
P.O.C. NUMBER: 01	
Water Source Information:	
Flow Available:	2"
Water Meter Size:	120 GPM
Flow Available:	
Pressure Available:	
Static Pressure at POC:	55 PSI
Elevation Change:	5.00 ft
Sensor Line Size:	4"
Length of Service Line:	20 ft
Booster Pump pressure provided:	50 PSI
Pressure Available:	83 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	58.2 GPM
Flow Available at POC:	120 GPM
Residual Flow Available:	61.8 GPM
Critical Station:	37
Design Pressure:	40 PSI
Friction Loss:	5.4 PSI
Fittings Loss:	0.36 PSI
Elevation Loss:	0 PSI
Loss through Valve:	0 PSI
Pressure Req. at Critical Station:	44.0 PSI
Loss for Fittings:	1.27 PSI
Loss for Main Line:	12.7 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	0 PSI
Loss for Water Meter:	1.82 PSI
Critical Station Pressure at POC:	59.9 PSI
Pressure Available:	83 PSI
Residual Pressure Available:	23.2 PSI

These designs, drawings and specifications are the property and copyright of the landscape architect and shall not be used in connection with any other work except by agreement with the landscape architect. There shall be no changes or deviation without the consent of the landscape architect. Written dimensions shall be verified on the job site. Any discrepancy shall be brought to the notice of the landscape architect prior to the commencement of any work.



**NORTH SHAFTER
COMMUNITY PARK**
SHAFTER, CA 93263
904 FLYNN AVENUE

PRELIMINARY
IRRIGATION PLAN

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

Drawn By **TEAM**
Checked By _____
Date Issued **10-13-2023**
Project No. **22-036**
Scale _____

SECTION 02441
IRRIGATION SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

- 1.1.1 Work included: Provide irrigation system where shown on Drawings, and as specified herein, complete in place, tested and approved, including but not necessarily limited to:
1. P.O.C., connection of system to existing water supply,
 2. Review of utility plans showing other underground facilities,
 3. Trenching and backfill,
 4. Lawn and shrub sprinkler system,
 5. Drip irrigation system,
 6. Automatic controller and remote control valves,
 7. Any incidental work not shown or specified which can reasonably be inferred as part of work and necessary to provide a complete and operable system.

1.1.2 Related work:

1. Documents affecting work of this Section include, but are not necessarily limited to General Conditions and other Sections of these Specifications.
2. Section 02221: Landscape trenching, backfilling and compaction, Section 02490: Planting.

1.2 Permits, Fees, Codes and Safety Orders

- 1.2.1 Obtain all permits and pay required fees to any governmental agency having jurisdiction over work. Arrange for inspections required by local ordinances during the course of construction as required. On completion of work, satisfactory evidence shall be furnished to Landscape Architect to show that work is in accordance with ordinance and code requirements.

- 1.2.2 Conform with applicable codes, standards and other applicable laws or regulations. Nothing in Drawing or Specifications shall be construed to permit work not conforming to codes. Should Construction Documents or instructions vary from aforementioned rules and regulations, notify Landscape Architect, await instructions before proceeding with work affected.

1.3 Quality Assurance

- 1.3.1 Use adequate number of skilled workers who are thoroughly trained and experienced in necessary crafts and are completely familiar with specific requirements and methods needed for proper performance of work of this Section.

- 1.3.2 All materials throughout system shall be new and perfect condition. Decision of Landscape Architect shall be final in determination of quality of materials, equipment, workmanship.

1.4 Existing Site Conditions

- 1.4.1 Contractor shall acquaint him/herself with all site conditions. Should utilities not shown on plans be found during excavations, Contractor shall promptly notify Landscape Architect for instructions for further action. Failure to do so will make Contractor liable for any and all damage thereto arising from his/her operations, subsequent to discovery of such utilities not shown on plans.

- 1.4.2 Contractor shall make minor adjustments to irrigation system layout as may be required, and may be required to work around existing construction at no increase in cost to Owner.

- 1.5 Delivery, Storage and Handling
Protect work and materials under this Section from damage during construction and storage. Poly vinyl- chloride (PVC) pipe and fittings shall be especially protected from direct sunlight.

- 1.6 Substitutions
No deviations from specified equipment or installation procedures shall be allowed without written approval of Landscape Architect.

1.7 Submittals

- 1.7.1 As-Built Drawings: Prepare on print showing deviations from bid documents made during construction affecting main line pipe, controller locations, valves and sprinkler heads. As-builts shall be delivered to Landscape Architect or owner before final acceptance of work.

- 1.7.2 Controller Charts: Prepare and deliver controller charts to owner, NOR and City of Shafter.

1.8 Guarantee

- 1.8.1 Guarantee all work for one year from acceptance date against defects in material, equipment, and workmanship. Guarantee shall cover damage repair to any part of premises resulting from leaks or defects in material, equipment, workmanship to satisfaction of Landscape Architect.

- 1.8.2 Repairs shall be done promptly upon notification by Landscape Architect or Owner at no cost to Owner.

Part 2 - Products

2.1 Pipe

- 2.1.1 Plastic pipe:
1. Use poly vinyl chloride (PVC) type I 120-1220 pipe unless otherwise indicated on plans. All mainlines shall be class 315 PVC, lateral lines shall be sch. 40 PVC or per plans, and sleeveing shall be schedule 40 PVC.
 2. Fittings: Use schedule 40 PVC fittings
 3. Solvent Cement: Shall be as recommended by pipe manufacturer and of proper consistency.

2.2 Risers

- 2.2.1 Lawn heads: Use schedule 80 PVC risers with street ell swing joints per details.

- 2.2.2 Shrub heads: Use risers per details. Risers height is measured from finish grade to top of riser. Risers shall be 1/2" diameter unless otherwise noted on plans.

- 2.2.3 Slope heads: Stake risers of impact and gear driven rotor heads on slopes with number 6 steel reinforcing bar, secure with adjustable stainless steel geared clamp to ensure stability.

2.3 Sprinkler Heads

Provide sprinkler heads shown on Irrigation Legend.

2.4 Valves

- 2.4.1 Ball valves: Provide 125 psi rated valve (line size) where shown on Drawings.

- 2.4.2 Quick coupler valves: Provide per Drawings and deliver to Owner per detail:
- a. Two keys for locked top;
 - b. Two couplers;

- 2.4.3 Automatic and manual control valves: Provide per legend and details on Drawings.

~~2.5 Backflow Preventer~~

~~Provide backflow preventers, if specified, as shown on legend and install per details on Drawings.~~

2.6 Automatic Controller

- 2.6.1 Provide controller shown on legend on Drawings.

- 2.6.2 Control wires: 2 wire system per controller manufacturer's specifications.

2.7 Other Materials

- 2.7.1 Plastic valve boxes: Provide purple plastic valve boxes with lids for ball valves (round) and automatic control valves (1 per box maximum.) Place 6" depth of pea gravel at base of boxes.

- 2.7.2 Check valves: Provide spring in-line check valves (line size) per plan and as required to prevent low head drainage.

- 2.7.3 Provide other materials not specifically described but required for a complete and proper installation as selected by contractor subject to approval of Landscape Architect.

PART 3 - EXECUTION

3.1 SURFACE CONDITIONS

- 3.1.1 Verify finish grades and surface drainage with Landscape Architect or owner prior to work.

- 3.1.2 Examine areas and conditions under which work will be performed. Correct conditions detrimental to timely, proper completion of work. Do not proceed until unsatisfactory conditions are corrected.

3.2 FIELD MEASUREMENTS

- 3.2.1 Make necessary measurements in field, ensure precise fit of items in accordance with design.

3.3 LAYOUT

- 3.3.1 Layout work as accurately as possible to Drawings. Drawings, though carefully drawn, are generally diagrammatic to extent that swing joints, offsets and all fittings are not shown. Site conditions will not always permit locating piping, valves and heads where shown. This situation shall be brought to immediate attention of Landscape Architect and relocation determined in joint conference. Contractor will be held responsible for relocating any items without first obtaining Landscape Architect's approval and shall remove and relocate such items at his own expense if so directed by Landscape Architect.

- 3.3.2 Where piping is shown on Drawings to be under paved areas but running parallel and adjacent to planting areas, the intention is to install piping in planted areas.

- 3.3.3 Minor changes in equipment location from location shown on Drawings shall be made as directed by Landscape Architect at no additional cost to Owner providing such change is ordered before commencement of work, or work directly connected, and no additional materials are required.

3.4 TRENCHING AND BACKFILL

- 3.4.1 Trench, backfill and compact in accordance with pertinent provisions of Section 02221 and details.

3.5 INSTALLATION OF PIPING

- 3.5.1 Piping depth: Install piping with at least following depth:
- | | |
|---------------|-----|
| PVC mainline- | 18" |
| PVC lateral- | 12" |

- 3.5.2 Piping under pavement:
1. Sleeve piping under paved areas as indicated on Drawings.
 2. Piping may be installed under existing pavement by jacking, boring, or hydraulic driving except that no hydraulic driving will be permitted under asphalt concrete pavement.
 3. Where cutting or breakage of existing pavement is necessary, secure permission from Landscape Architect before cutting or breaking pavement, then make necessary repairs and replacements to approval of Landscape Architect and at no additional cost to Owner.

- 3.5.3 Inspection of materials: Carefully inspect pipe and fitting before installation, removing all dirt, scale and burrs, reaming as required. Install pipe with markings up for visual inspection.

- 3.5.4 Plastic (PVC) pipe:

1. Exercise care in handling, loading, unloading and storing plastic pipe and fittings:
 - a. Store under cover from direct sunlight until ready to install,
 - b. Transport only on a vehicle with a bed long enough to allow the pipe to lay flat to avoid undue bending and concentrated external load.
2. Repair dented and damaged pipe by cutting out and discarding dented or damaged sections, rejoining with a coupling.
3. In joining, use only specified solvent, make joints in accordance with manufacturer's recommendations. Pipe and fittings shall be thoroughly cleaned of dirt, dust, moisture before applying solvent. Clean off excess solvent. Allow solvent welds at least 15 minutes set-up time before moving or handling and 24 hours curing time before filling with water.
4. Snake lines from side to side in trench to allow for expansion and contraction.
5. For plastic to metal connections:
 - a. Work steel connections first,
 - b. Use a non-hardening pipe dope on threaded plastic to steel connections,
 - c. Use only a light wrench pressure.

- 3.5.5 Plug or cap all openings upon line installation to prevent the entrance of materials that would obstruct pipe. Leave in place until removal is necessary for completion of installation.

- 3.5.6 Thoroughly flush all lines, perform hydrostatic testing in accordance with paragraph below.

3.6 INSTALLATION OF EQUIPMENT

- 3.6.1 Lawn spray heads:

1. Install where indicated on Drawings and in accordance with details and manufacturer's recommendation as approved by Landscape Architect.
2. For heads adjacent to pavement place heads 2" from pavement, flush to pavement elevation.
3. Locate heads 4" minimum from buildings, walls.
4. Upon testing completion, complete assembly, adjust sprinkler heads for proper distribution.

- 3.6.2 Shrub sprinkler heads:

1. Install in planting areas where indicated on Drawings.
2. Locate shrub heads 6" from pedestrian paving, 12" from automobile traffic without curbs, 6" from automobile traffic with curbs and 12" from all building and wall footings unless noted otherwise. Set shrub heads eighteen (18") inches above finish grade unless noted otherwise. (See details.)
3. Use joint compound on galvanized iron fittings.
4. Upon completion of testing, contractor shall complete assembly and adjust sprinkler heads for proper distribution.

- 3.6.3 Valves: Install ball valves and quick coupler valves per drawings.

- 3.6.4 Control valves: Install where shown on Drawings, locating in clusters in planting areas where practical. Place no closer than 12" and parallel to walk edges, buildings and walls. House in valve boxes with tops set flush to grade.

~~3.6.5 Backflow preventer: Install where indicated on Drawings and in accordance with all pertinent codes, regulations, and manufacturer's recommendations as approved by Landscape Architect. Backflow preventer has already been installed for reclaimed irrigation system at corner of Galloway Drive and 7th Standard.~~

- 3.6.6 Automatic controller:
1. Install controller as shown on Drawings, unless otherwise directed by Landscape Architect or owner.
 2. Connect remote control valves to controller in sequence corresponding to sequence indicated on Drawings. Where two or more valves have same number, wire them together at controller. Do not group lawn and shrub heads on same station.
 3. Electrical supply to point of connection shall be by others. Contractor shall provide "hard wire" splice into existing junction box near controller location.

- 3.6.7 Automatic control wiring:
1. Install control wires, irrigation mains and laterals in common trenches wherever possible.
 2. Install 2-wire system per manufacturer's requirements.
 3. Wires shall be placed in grey schedule 80 PVC electrical sleeve from 18" below grade to controller at controller location.

3.7 TESTING AND INSPECTION

- 3.7.1 Do not allow or cause any of work of this Section to be covered up or enclosed until it has been inspected, tested, approved by Landscape Architect. Request presence of Landscape Architect, NOR and City of Shafter at least twenty-four (24) hours in advance of testing.

- 3.7.2 Flushing of pipe: Before backfilling mainline, with control valves placed but before lateral lines are connected, completely flush and test mainline.
1. Repair leaks.
 2. Flush out each section of lateral pipe before sprinkler heads are attached.

- 3.7.3 Testing:
1. Make necessary provisions to thoroughly bleed line of air and debris.
 2. After valves have been installed, when welded plastic joints have cured for at least 24 hours, test main water lines for leaks at pressure of 150 psi for period of four hours, with couplings exposed and pipe sections centerloaded with sufficient amount of backfill to prevent arching or slipping under pressure. Lateral lines shall be tested, with risers capped, for two hours under normal static pressure.
 3. Provide required testing equipment and personnel.
 4. Repair leaks, retest until acceptance by Landscape Architect, NOR and City of Shafter.

- 3.7.4 Final inspection: Clean, adjust, balance all systems. Verify:
- a. Heads are properly adjusted for radius and arc of coverage;
 - b. Installed system is workable, clean, efficient.

3.8 INSTRUCTIONS

- 3.8.1 Attach typewritten legend inside each controller door, stating areas covered by each valve.

- 3.8.2 After system has been completed, inspected, and approved instruct Owner or his maintenance personnel in operation and maintenance of system.

3.9 MAINTENANCE

Maintain system for period of one year.
END OF SECTION

IRRIGATION NOTES

1. CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING SITE CONDITIONS, UTILITIES, AND SERVICES PRIOR TO TRENCHING. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES IMMEDIATELY.

2. CONTRACTOR SHALL VERIFY APPROPRIATE STATIC WATER PRESSURE AT NEW VALVES OR POINT OF CONNECTION, MAIN LOCATIONS, SIZES, ETC. PRIOR TO BEGINNING WORK. VERIFICATION SHALL BE MADE WITH THE OWNER. NOTIFY OWNER'S REPRESENTATIVE OF DISCREPANCIES.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PLUMBING PERMIT AND ALL NECESSARY PERMITS PRIOR TO COMMENCING INSTALLATION.

4. IT IS INTENDED THAT THE CONTRACTOR SHALL INSTALL SYSTEMS THAT ARE COMPLETE AND FUNCTIONING PROPERLY IN EVERY WAY.

5. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING AGENCIES.

6. PLANS ARE BASED ON INFORMATION AVAILABLE AT TIME OF DESIGN. CONTRACTOR SHALL FAMILIARIZE HIM OR HERSELF WITH EXISTING CONDITIONS PRIOR TO BIDDING PROJECT.

7. CONTRACTOR SHALL REVIEW IRRIGATION SPECIFICATIONS PRIOR TO BEGINNING WORK.

8. REFER TO TECHNICAL SPECIFICATIONS AND CONSTRUCTION DETAILS FOR INSTALLATION PROCEDURES.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS OR HER WORK WITH OTHER TRADES.

10. POINTS OF CONNECTION SHALL BE AS SHOWN ON PLANS OR AS NOTED.

11. A NEW CONTROLLER SHALL BE INSTALLED TO OPERATE REMOTE CONTROL VALVES. VERIFY PROPOSED CONTROLLER LOCATION WITH OWNER PRIOR TO CONSTRUCTION. REQUIRED AT CONTROLLER, 120 VOLTS, 60 CYCLE, ELECTRICAL P.O.E., BY OTHERS.

12. CONTRACTOR SHALL SUPPLY AND INSTALL 2 EXTRA CONTROLLER WIRES TO THE FURTHEST VALVE ON SYSTEM.

13. INSTALL ONLY ONE REMOTE CONTROL VALVE PER BOX. GROUP TOGETHER, PARALLEL TO EACH OTHER WHEREVER POSSIBLE. BOXES SHALL BE SET 2" ABOVE FINISH GRADE IN SHRUB AND GROUND COVER AREAS.

14. PLANS ARE DIAGRAMMATIC AND APPROXIMATE. ALL VALVES AND OTHER IRRIGATION EQUIPMENT SHALL BE LOCATED IN PLANTING AREAS, AND WITHIN THE RESPECTIVE PROPERTIES.

15. CONTRACTOR SHALL BE RESPONSIBLE FOR SLEEVES AND CHASES UNDER PAVING, THROUGH WALLS, ETC., UNLESS OTHERWISE NOTED.

16. ALL PIPING UNDER EXISTING OR FUTURE PAVING SHALL BE INSTALLED PRIOR TO PAVING OR REPAVING. INSTALL IN SCHEDULE 40 PVC SLEEVES 2X PIPE DIAMETER, AND EXTEND 2' OUTSIDE EDGE OF PAVING. NO TEES, ELLS, OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING UNLESS PLANS NOTE OTHERWISE.

17. CONTROL WIRE SLEEVES LOCATED UNDER PAVING SHALL BE INSTALLED IN SLEEVES UNDER THE FOLLOWING SCHEDULE: 1-20 WIRES, 1-2" SLEEVE, 20-40 WIRES, 2-2" SLEEVES.

18. ALL END RUNS OF PVC PIPING ARE TO BE 3/4" UNLESS NOTED OTHERWISE.

19. FLUSH ALL PIPE CLEAN PRIOR TO INSTALLING IRRIGATION HEADS.

20. NO CLOSE NIPPLES OR CROSSES WILL BE USED.

21. INSTALL ANTI-DRAIN VALVES ON LOWEST THREE HEADS OF EACH LATERAL, AS FIELD CONDITIONS DICTATE AND / OR PLANS INSTRUCT TO PREVENT LOW HEAD DRAINAGE.

22. ALL SPRAY IRRIGATION MUST BE FULLY INSTALLED AND OPERATIONAL PRIOR TO INSTALLATION OF PLANTING.

23. CONTRACTOR SHALL ADJUST PRESSURE REGULATOR TO ENSURE PROPER DESIGN PRESSURE AT THE FURTHEST HEAD ON THE SYSTEM.

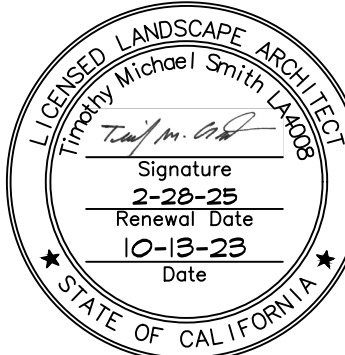
24. TREE LOCATIONS TAKE PRECEDENCE OVER IRRIGATION LINES. STAKE ALL TREE LOCATIONS PRIOR TO TRENCHING.



WYNN-SMITH
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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

PRELIMINARY
IRRIGATION NOTES
AND SPECIFICATIONS

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

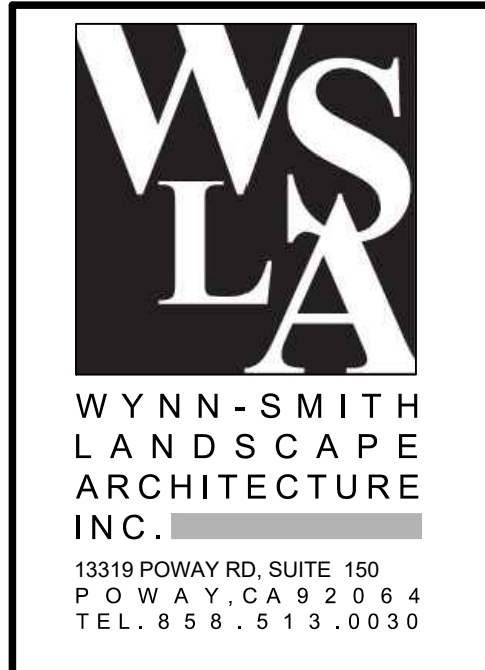
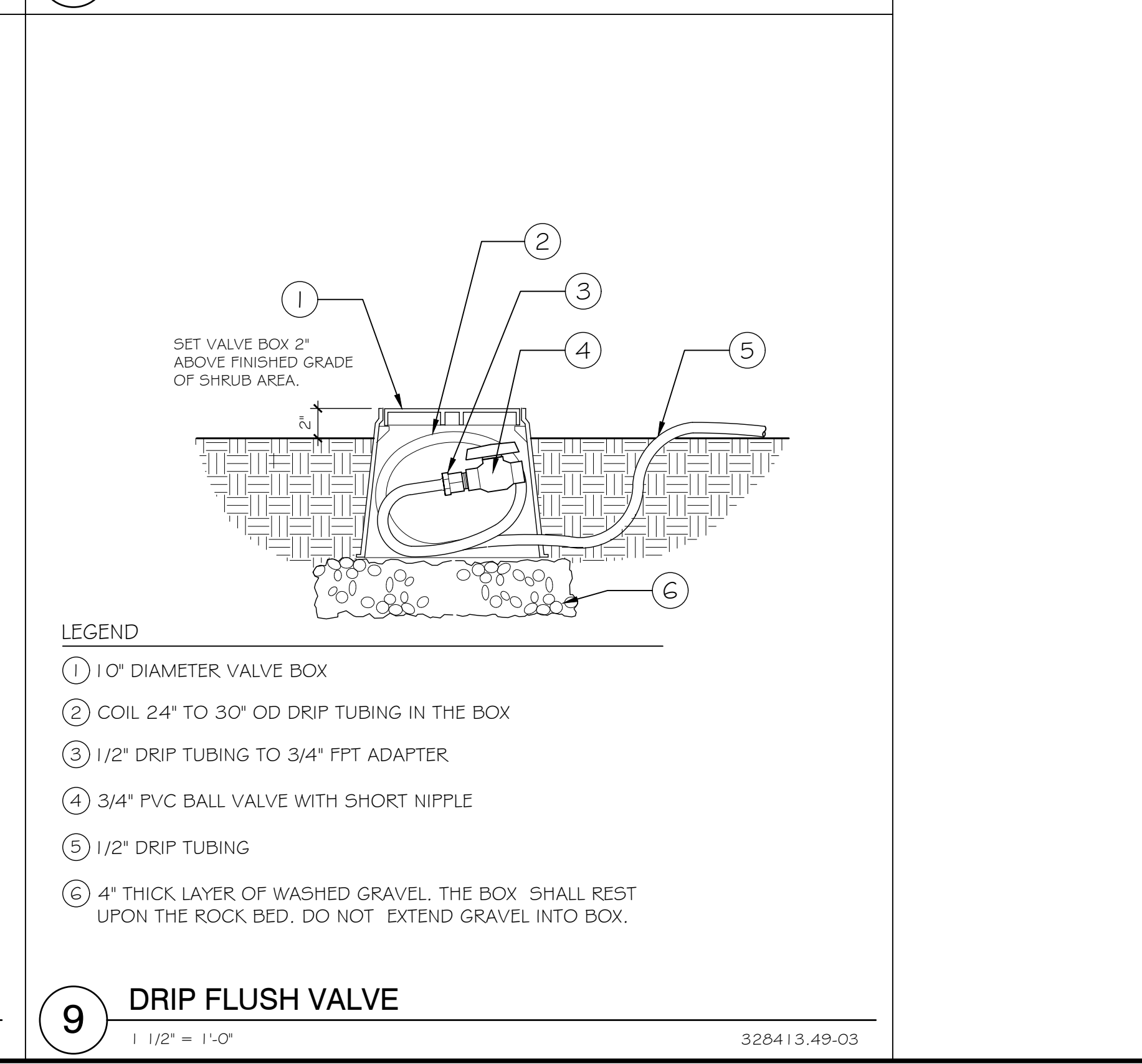
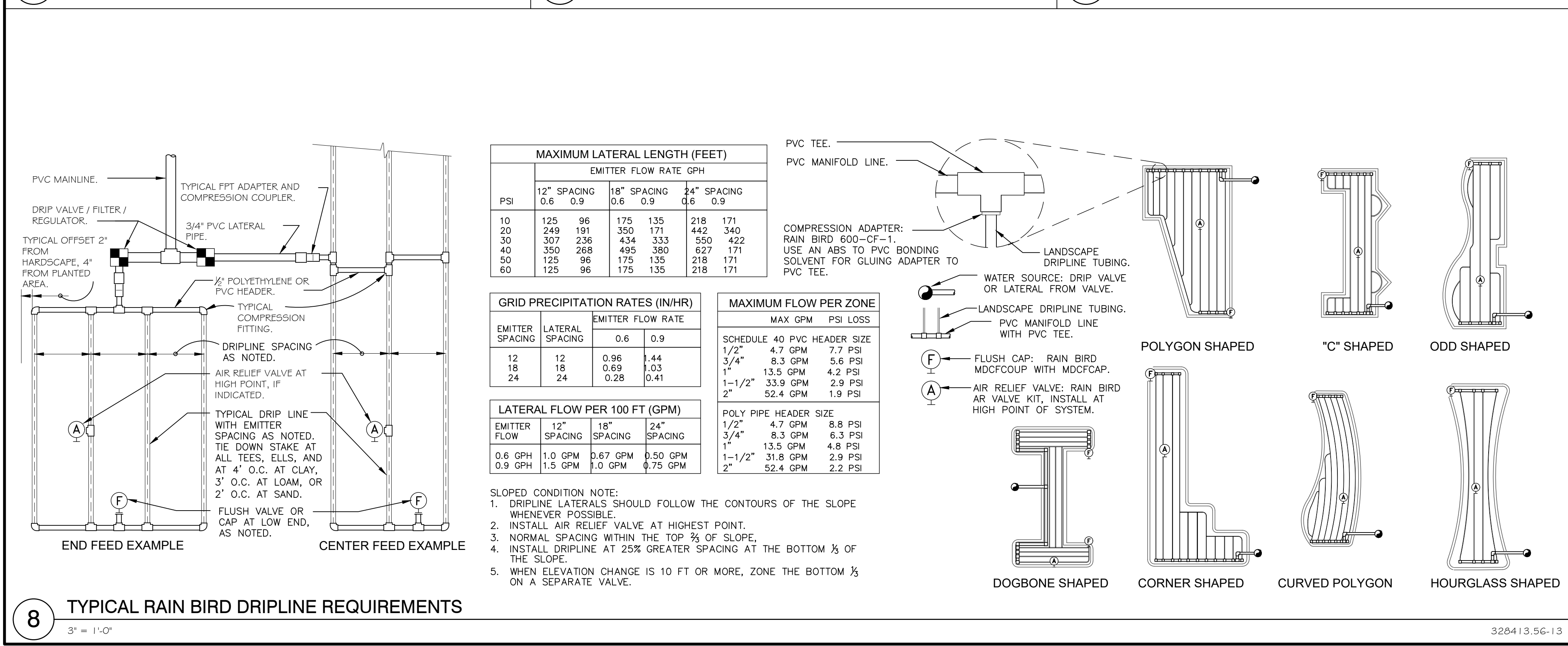
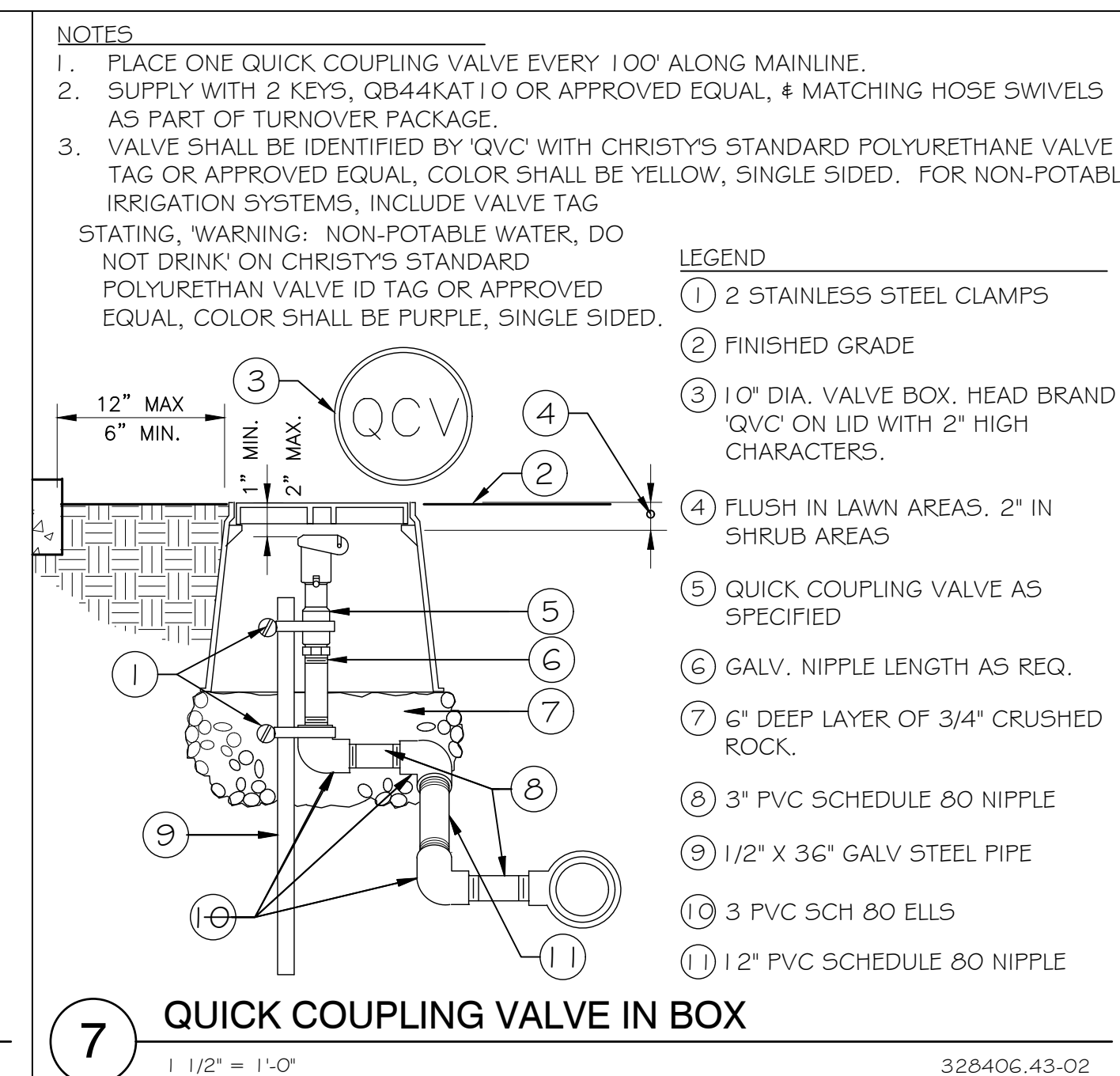
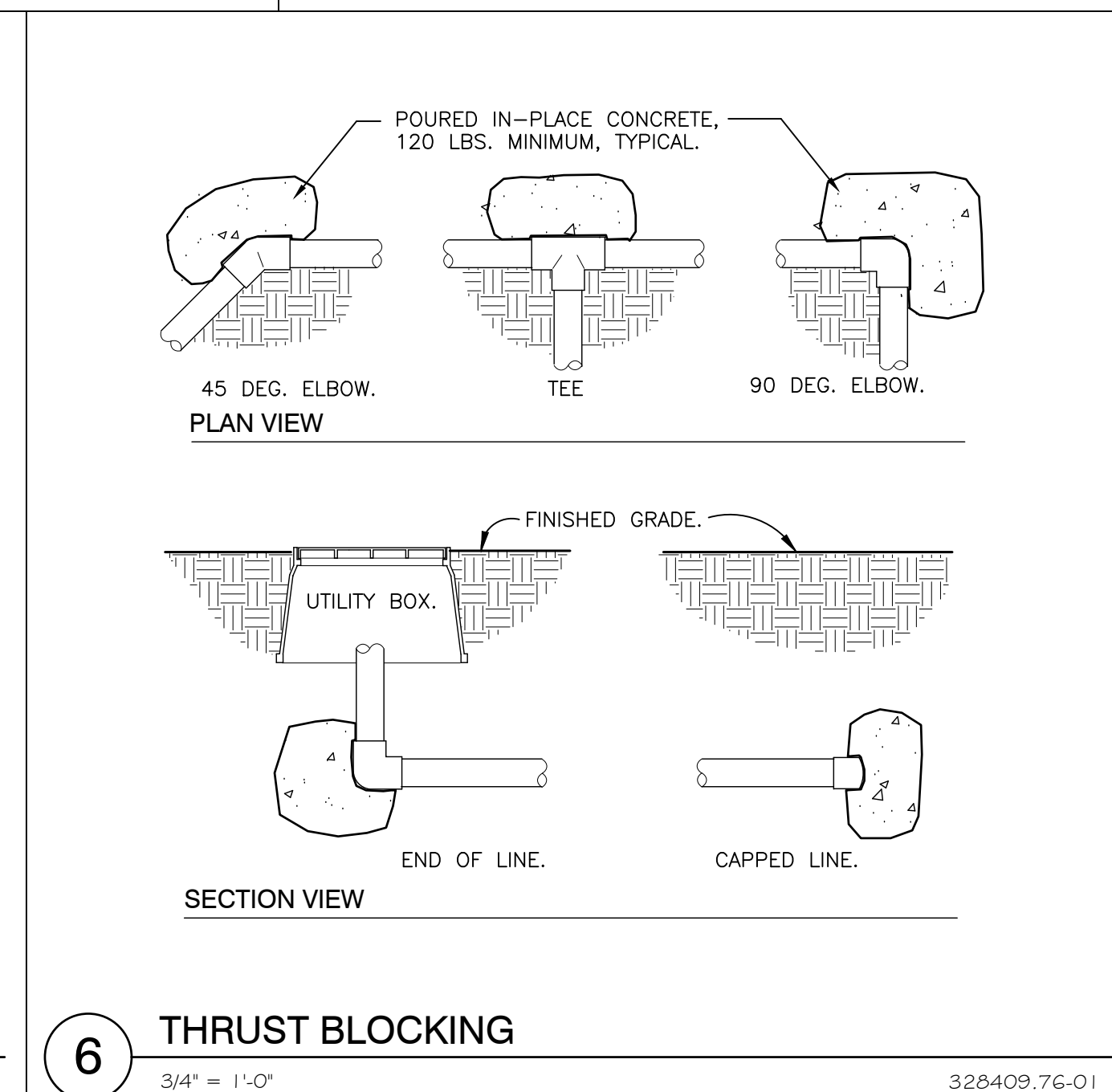
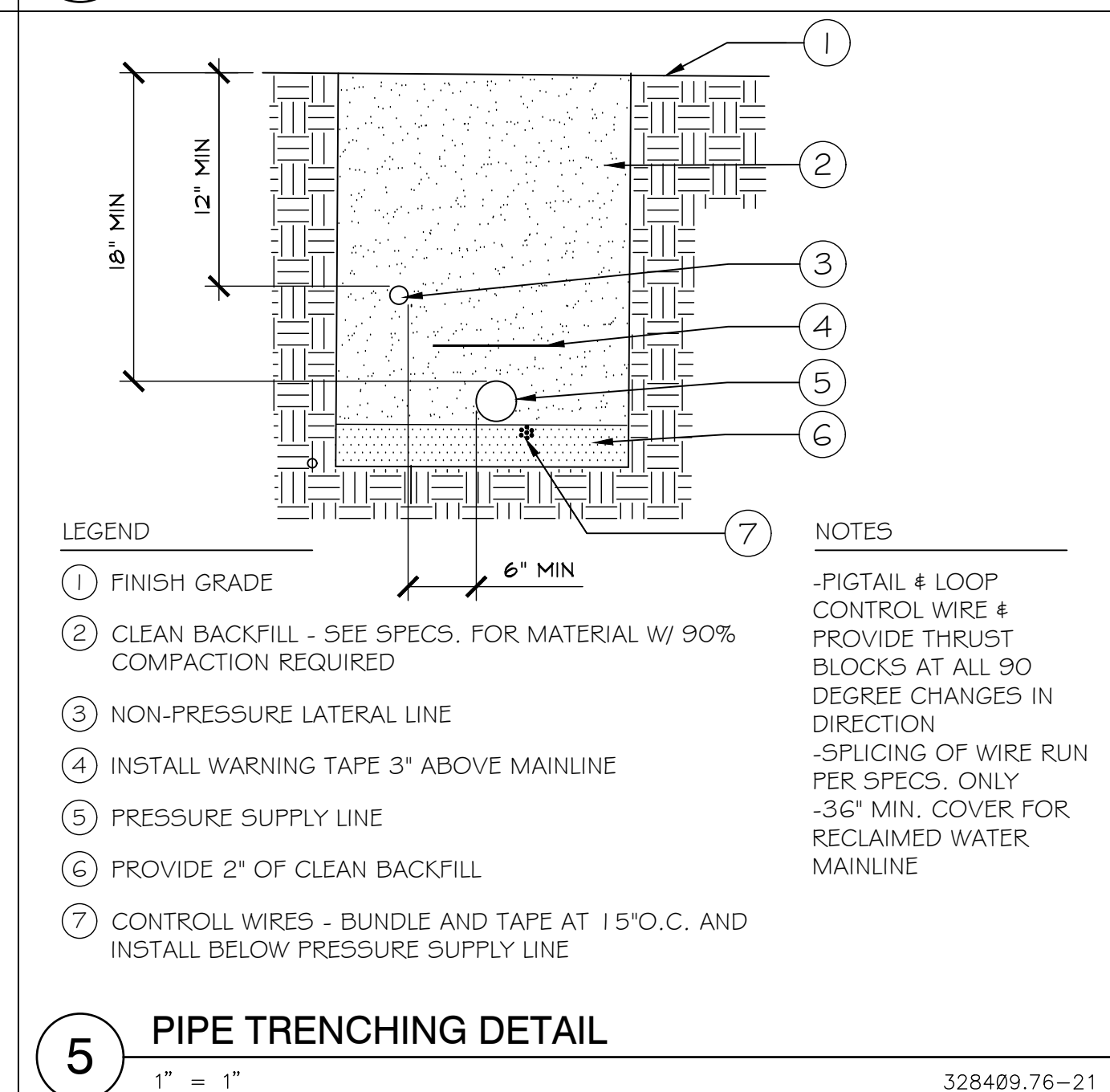
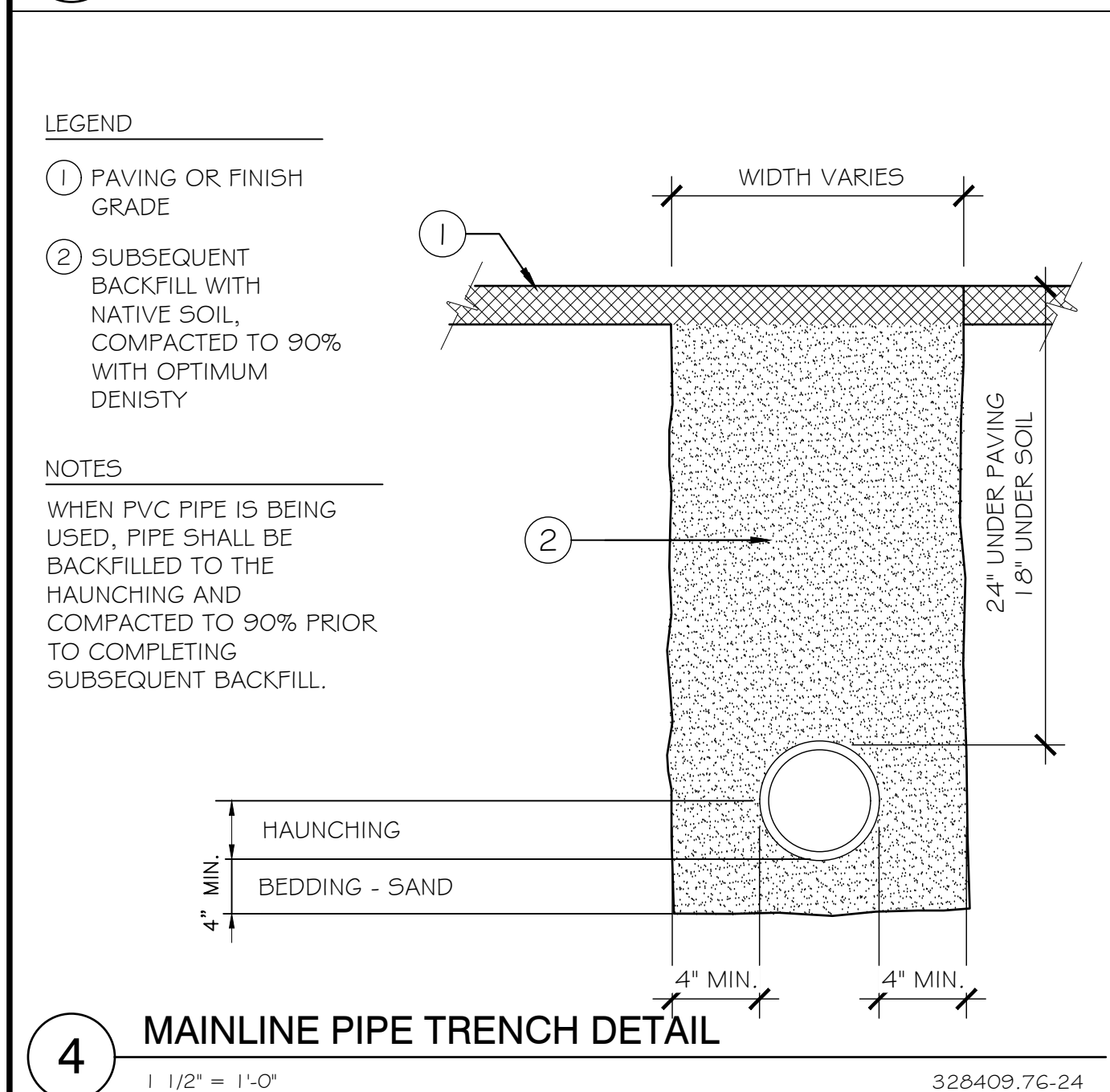
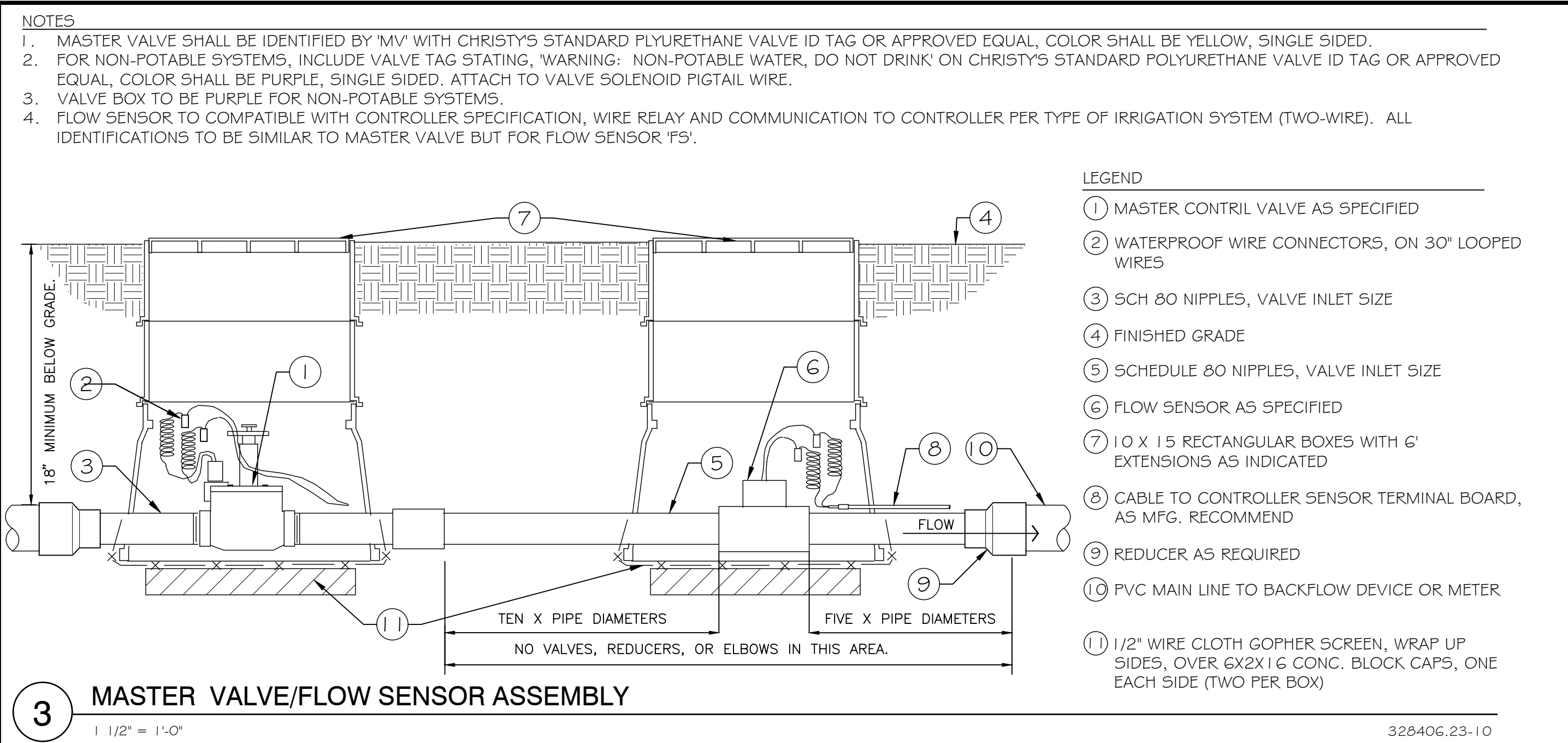
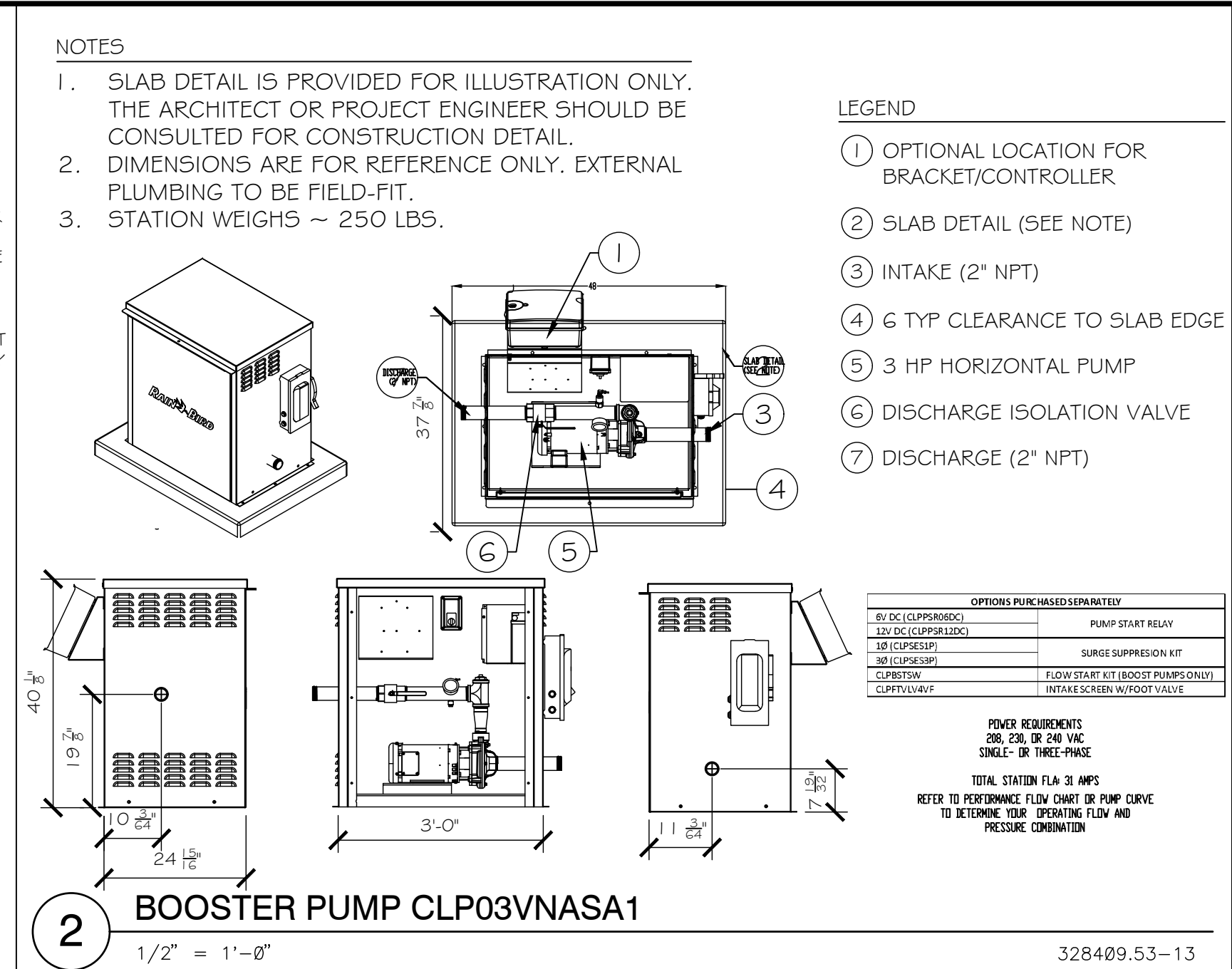
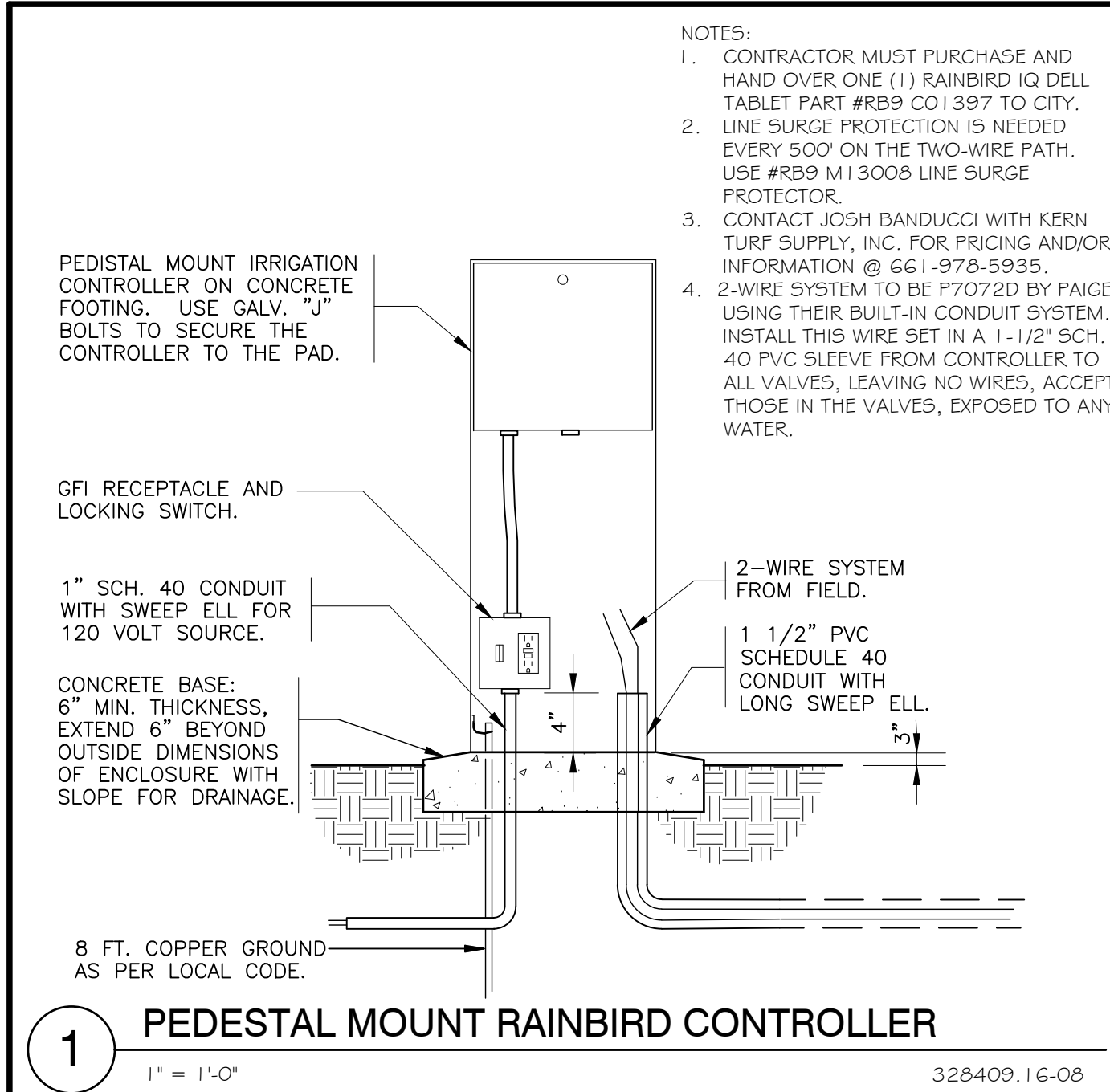
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Checked By _____
Date Issued 10-13-2023
Project No. 22-036
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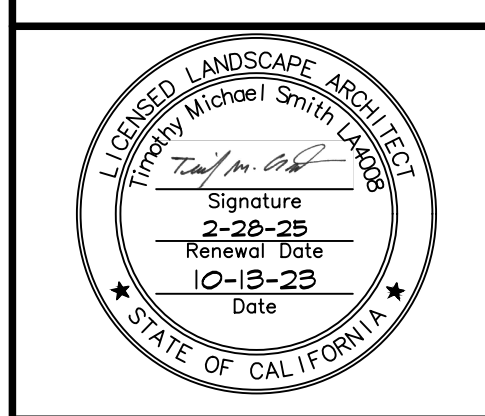
L-3.2

Of

Sheets



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PRELIMINARY IRRIGATION DETAILS

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

Drawn By: TEAM

Checked By: _____

Date Issued: 10-13-2023

Project No.: 22-036

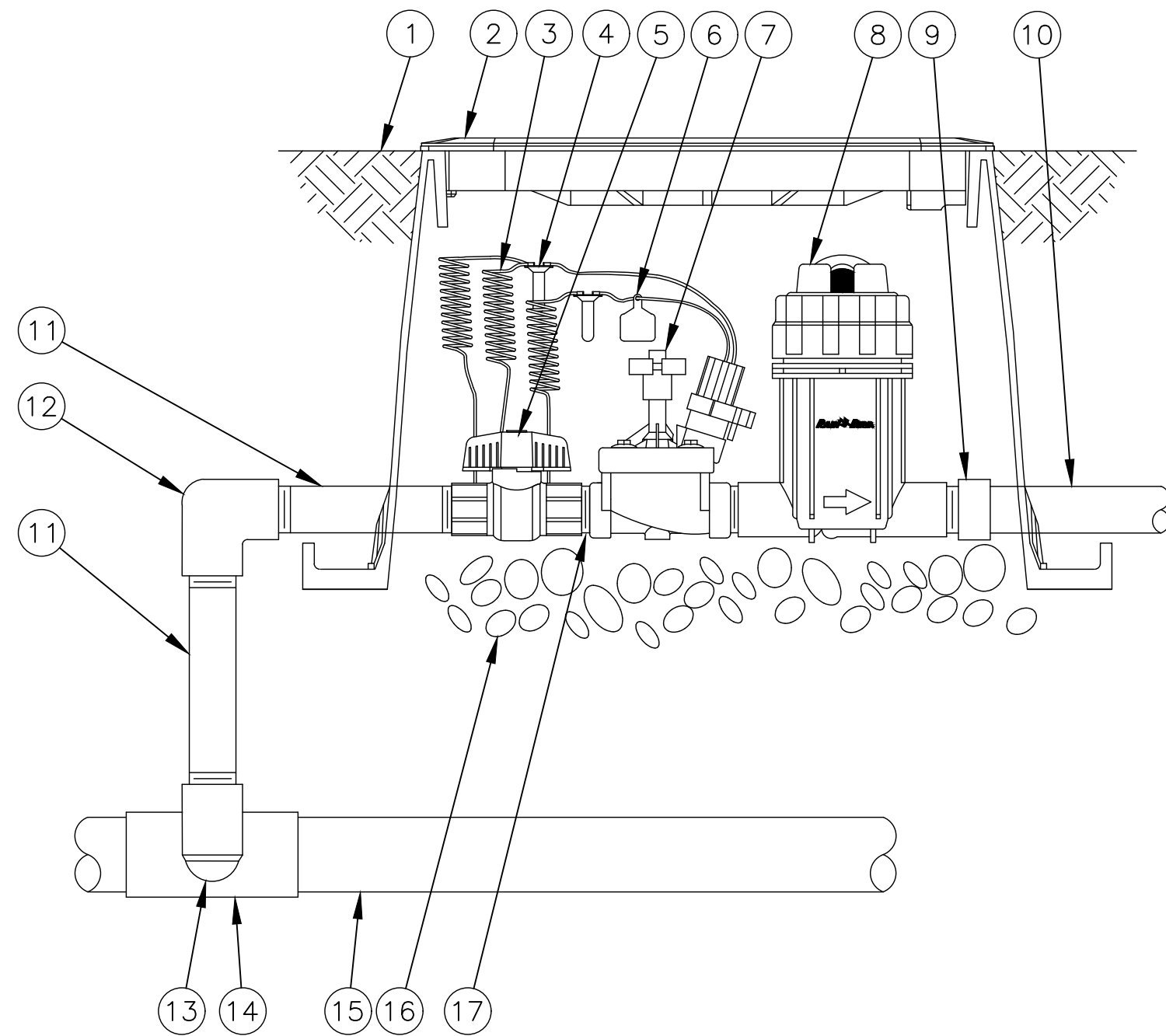
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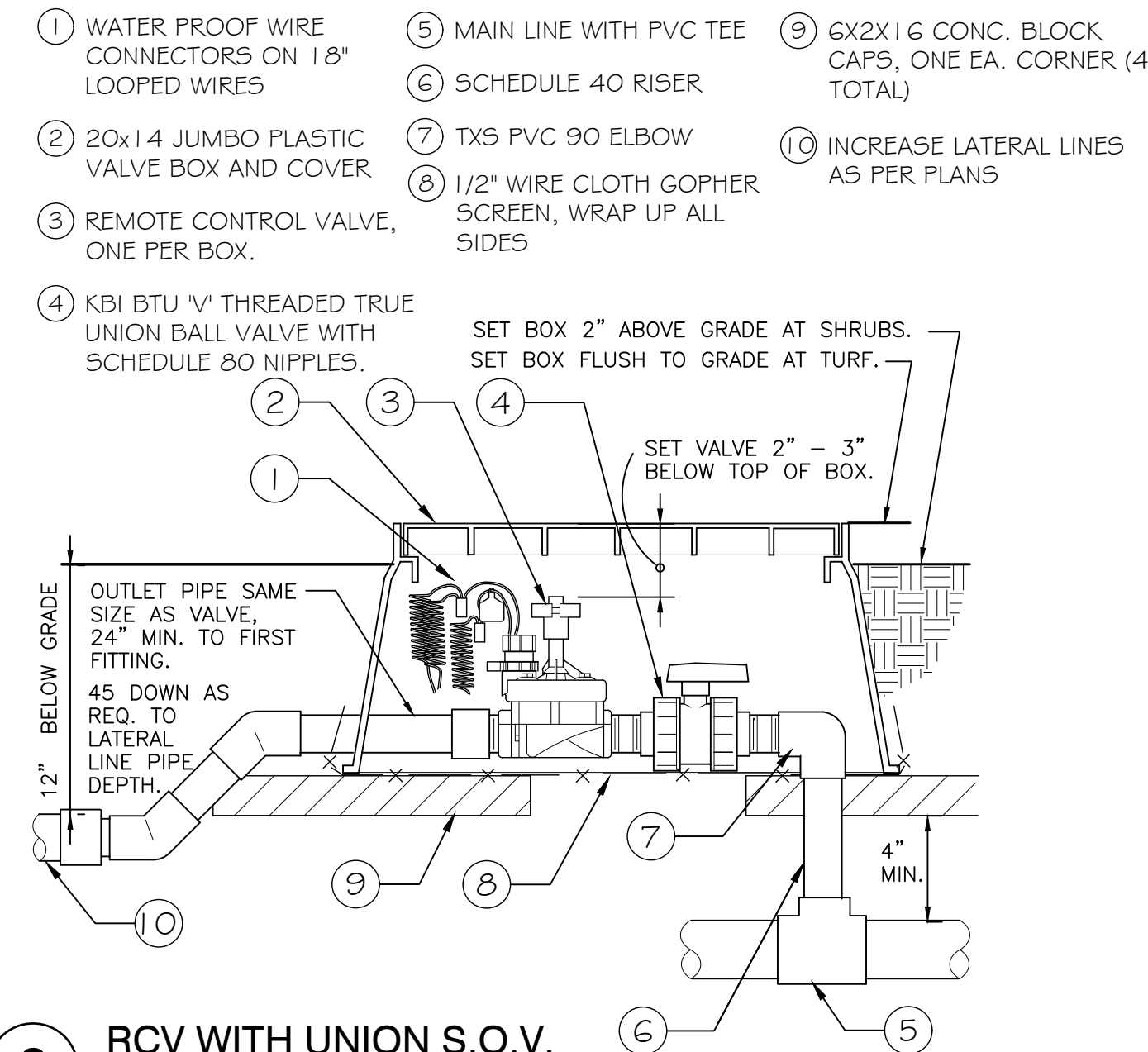
L-3.3

1. FOR NON-POTABLE IRRIGATION SYSTEMS, INCLUDE VALVE TAG STATING, 'WARNING: NON-POTABLE WATER, DO NOT DRINK' IN CHRISTY'S STANDARD POLYURETHANE VALVE. ID TAG OR APPROVED EQUAL, COLOR TO BE PURPLE, SINGLE SIDED. ATTACH TO VALVE SOLENOID PIGTAIL WIRE.
2. JUMBO RECTANGULAR VALVE BOX TO BE GREEN; PURPLE FOR NON-POTABLE SYSTEMS.

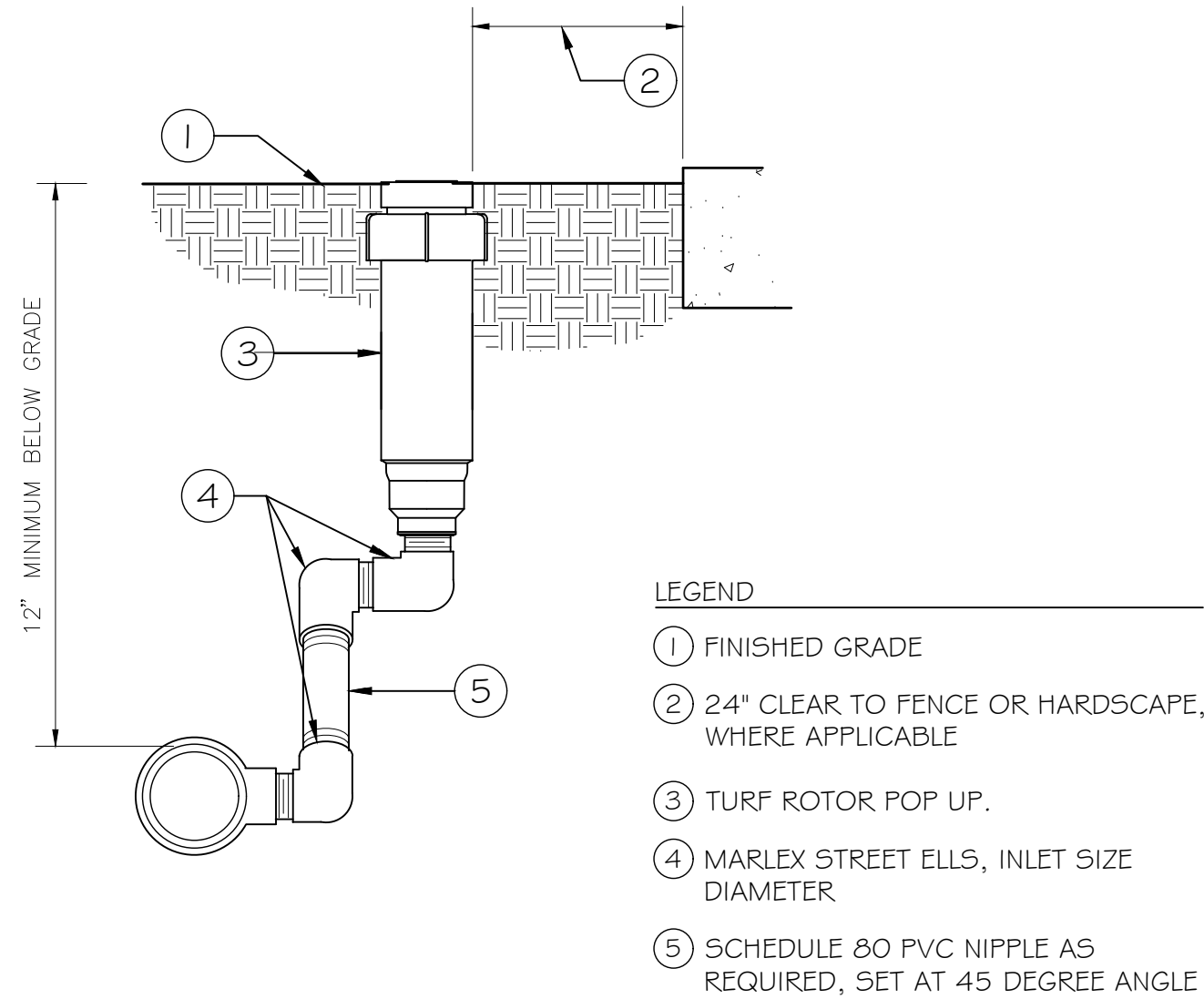

$$1'' = 1'''$$

328409.16-08

- 1 FINISH GRADE/TOP OF MULCH
- 2 JUMBO VALVE BOX WITH COVER:
RAIN BIRD VB-STD
- 3 30-INCH LINEAR LENGTH OF
WIRE, COILED
- 4 WATERPROOF CONNECTION:
RAIN BIRD DB SERIES
- 5 1-INCH BALL VALVE (INCLUDED
IN XCZ-PRB-100-COM KIT)
- 6 CHRISTY'S ID TAG WITH STATION
NUMBER ON STANDARD
POLYURETHANE VALVE TAG OR
APPROVED EQUAL, COLOR TO
BE YELLOW, SINGLE SIDED.


$$1 \cdot 1/2'' = 1'-0''$$

328406.13-04

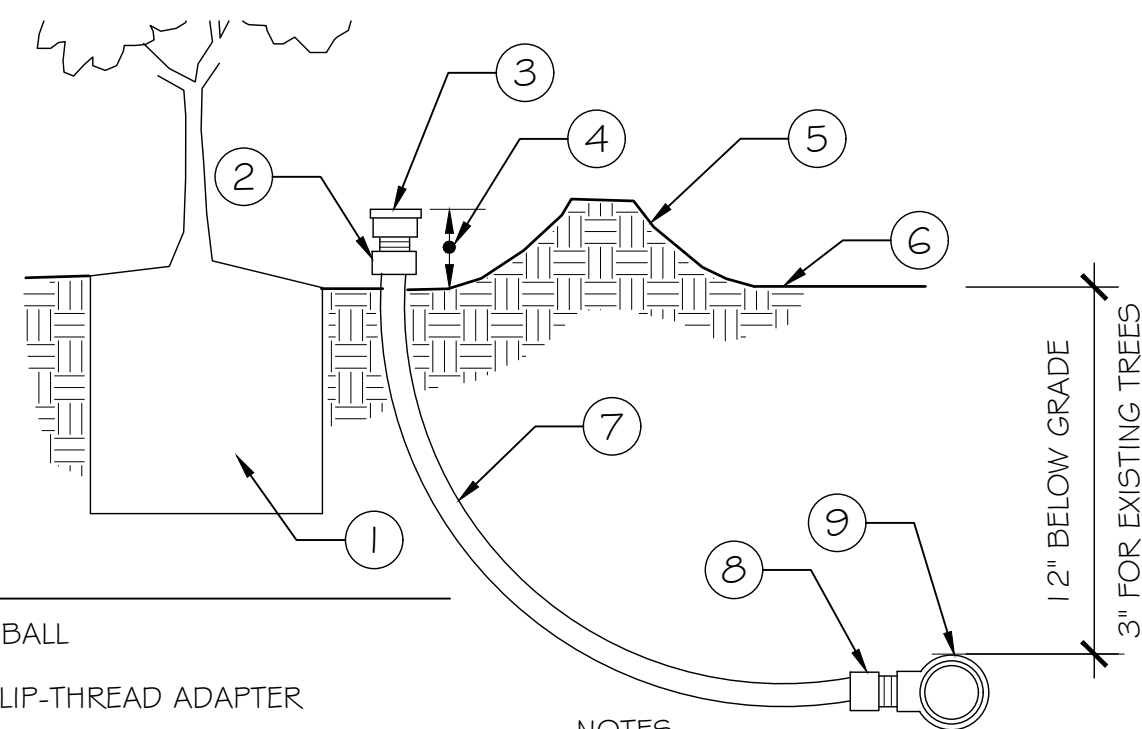

$$3^{\circ} = 1^{\circ} - 0^{\circ}$$

328403.16-01

- ① FINISHED GRADE
- ② 24" CLEAR TO FENCE OR HARDSCAPE WHERE APPLICABLE
- ③ TURF POP UP HEAD
- ④ 1/2" MARLEX STREET ELLS.
- ⑤ SCHEDULE 80 PVC NIPPLE, SET AT 45 DEGREE ANGLE
- ⑥ LATERAL LINE AND PVC TEE

$$3'' = 1'-0$$

328403 13.01

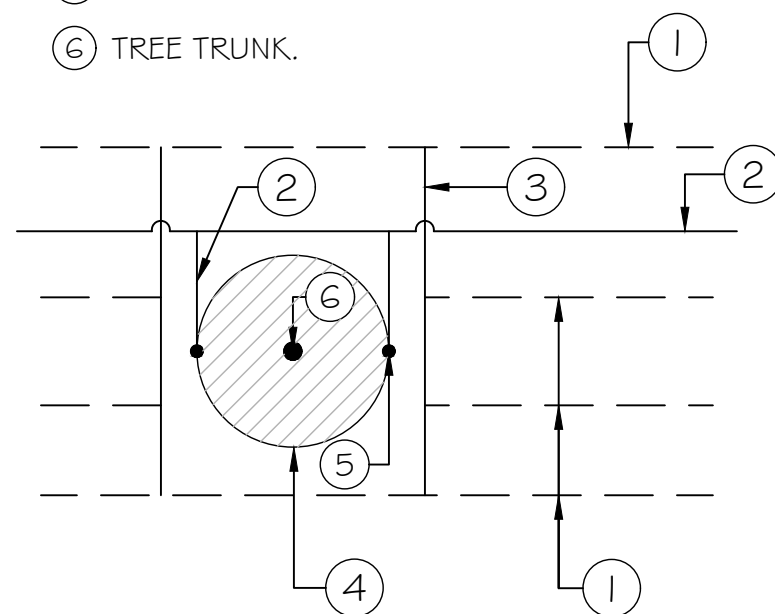


- ① ROOT BALL
- ② PVC SLIP-THREAD ADAPTER
- ③ BUBBLE NOZZLE AS SPECIFIED
- ④ 3" ABOVE GRADE.
- ⑤ WATER WELL AS PER PLANTING DETAIL.
- ⑥ FINISHED GRADE
- ⑦ 1/2" IPS FLEX HOSE WITH PVC FLEX GLO AND PRIMER. LENGTH AS REQUIRED
- ⑧ PVC SLIP-THREAD ADAPTER
- ⑨ PCV LATERAL LINE.

$$3'' = 1'-0''$$

P-9-GAS-42

- ① DRIP LINE FOR SHRUBS & GROUND COVERS PER PLAN.
- ② PVC LATERAL LINE FOR TREE BUBBLERS.
- ③ DRIP LINE HEADER WITH NO EMITTERS.
- ④ TREE ROOTBALL.
- ⑤ TREE BUBBLER PER PLAN.
- ⑥ TREE TRUNK.



1. DRIP LINES SHALL NOT CROSS OVER TREE WELLS.
2. TREE BUBBLERS TO BE PLACED AT OUTSIDE EDGE OF ROOTBALL UNLESS OTHERWISE NOTED.

$$3/4" = 1'-0"$$

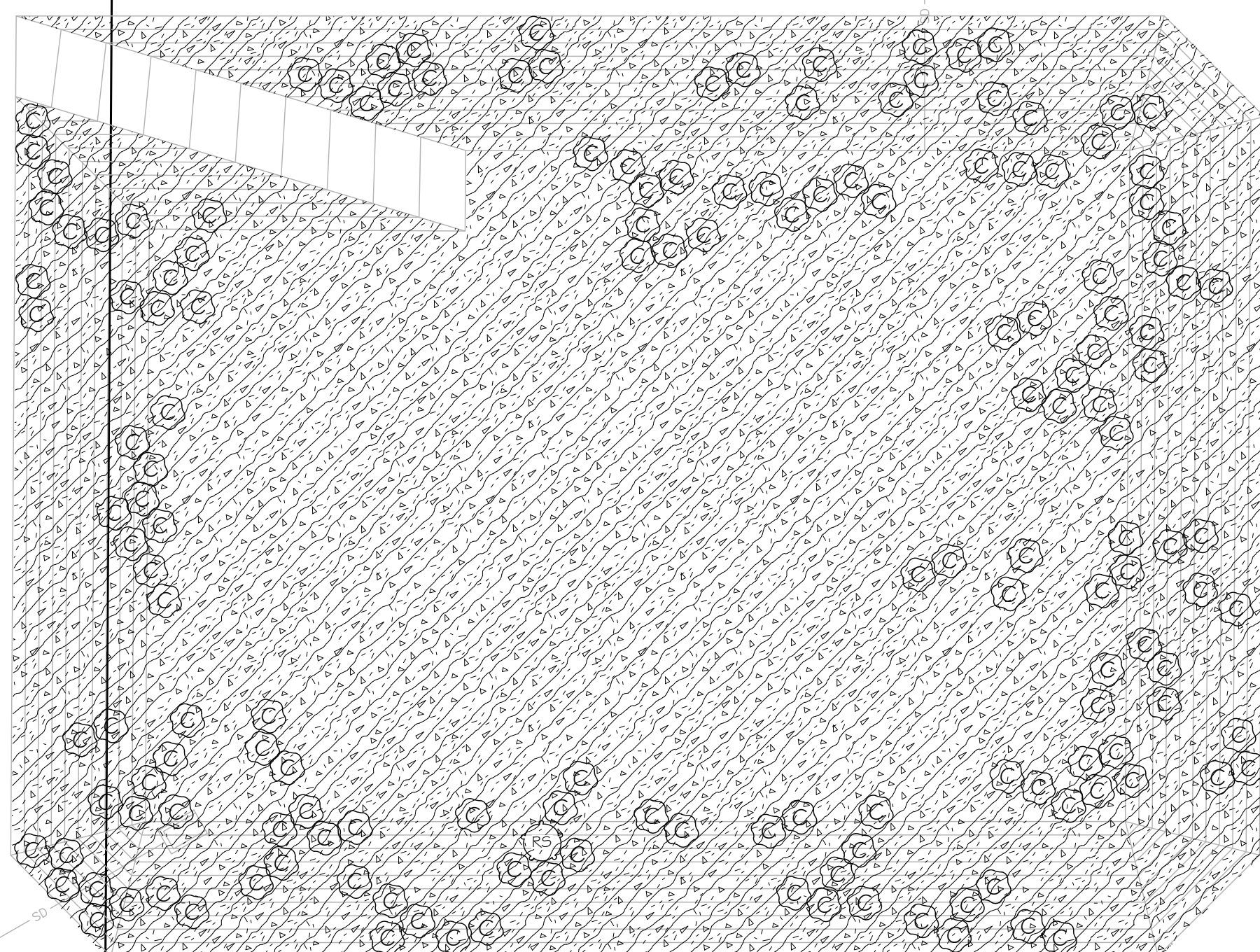
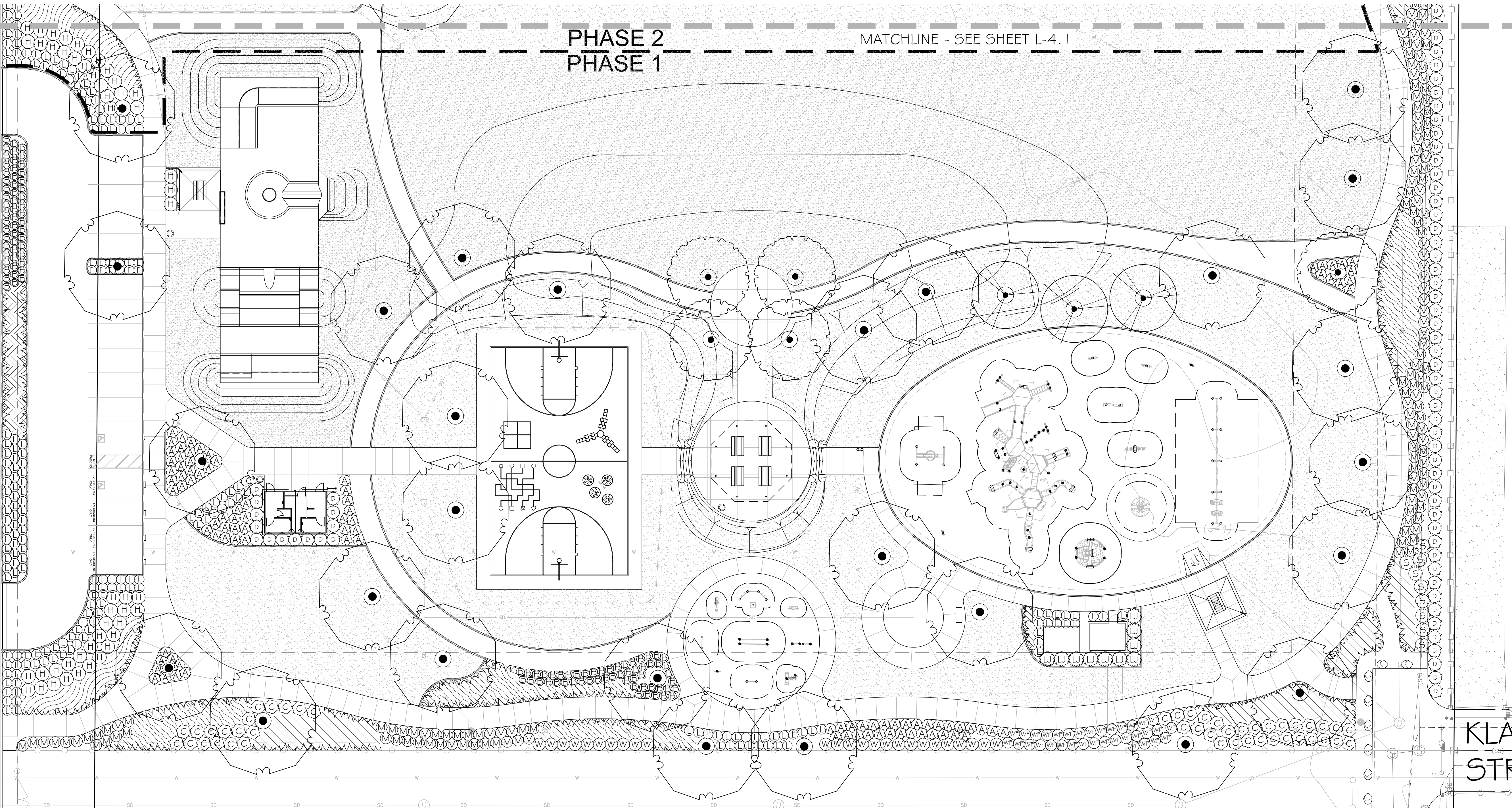
328409 16-08



FLYNN AVENUE

PHASE 2
PHASE 1

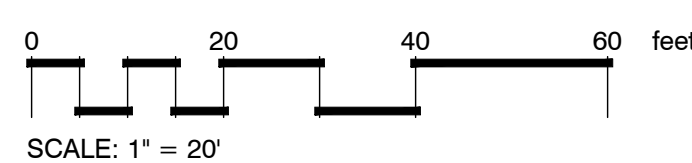
MATCHLINE - SEE SHEET L-4.1



PLANT SCHEDULE PHASE I

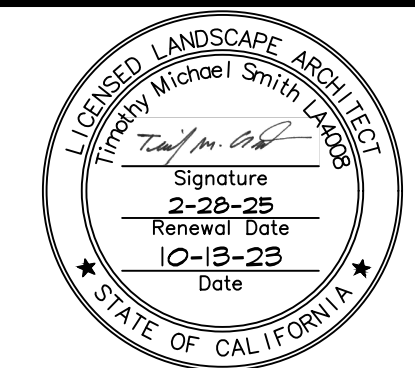
SYMBOL	BOTANICAL NAME	COMMON NAME	CONT	WUCOLS	QTY
TREES					
	CERIS CANADENSIS 'OKLAHOMA'	OKLAHOMA REDBUD	24"BOX	MODERATE	3
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24"BOX	MODERATE	5
	ULMUS PARVIFOLIA 'TRUE GREEN'	TRUE GREEN LACEBARK ELM	24"BOX	MODERATE	26
SHRUBS					
	ANIGONANTHOS FLAVIDUS 'BIG RED'	RED KANGAROO PAW	1 GAL	LOW	97
	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLUE GRAMA	1 GAL	LOW	106
	CHONDROPETALUM TECTORUM	CAPE RUSH	5 GAL	LOW	226
	DODONAEA VISCOSA 'GREEN'	GREEN HOPESEED BUSH	5 GAL	LOW	101
	HESPERALOE PARVIFLORA	RED YUCCA	1 GAL	LOW	27
	LIGUSTRUM JAPONICUM 'TEXANUM'	TEXAS JAPANESE PRIVET	5 GAL	LOW	10
	LONANDRA LONGIFOLIA 'BREEZE'	DWARF MAT RUSH	1 GAL	LOW	161
	MUHLENBERGIA CAPILLARIS 'REGAL MIST' TM	MURLEY	1 GAL	LOW	166
	RIBES SPECIOSUM	PUCHSIA FLOWERING GOOSEBERRY	5 GAL		1
	SALVIA X 'ALLEN CHICKERING'	ALLEN CHICKERING SAGE	5 GAL	LOW	9
	WESTRINGIA FRUTICOSA 'WYNABIE GEN'	WYNABIE GEM COAST ROSEMARY	5 GAL	LOW	25
	WESTRINGIA FRUTICOSA 'NFL25'	MUNDI™ COAST ROSEMARY	1 GAL	LOW	34

SYMBOL	BOTANICAL NAME	COMMON NAME	CONT	WUCOLS	SPACING	QTY
GROUND COVERS						
	CYNODON DACTYLON	BERMUDA GRASS	SEED	HIGH		61,834 SF
	JUNCUS FATENS 'ELK BLUE'	SPREADING RUSH	1 GAL	LOW	24" o.c.	4,422
	JUNIPERUS CONFERTA 'BLUE PACIFIC'	BLUE PACIFIC SHORE JUNIPER	5 GAL	LOW	60" o.c.	118
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA	FLAT	LOW	48" o.c.	32
	LANTANA MONTEVIDENSIS 'SUNBURST'	TRAILING LANTANA	1 GAL	LOW	48" o.c.	130
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	1 GAL	LOW	36" o.c.	56



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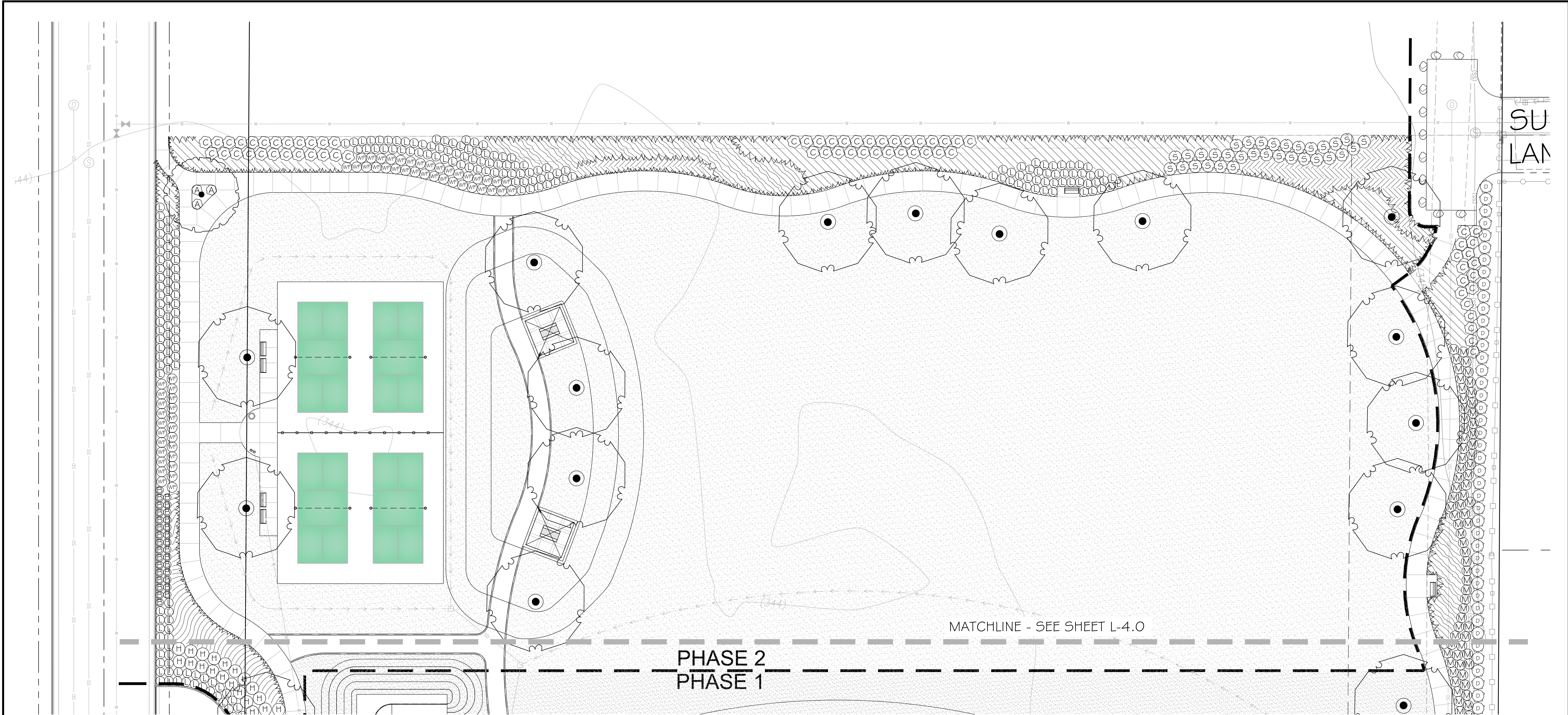
NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

PRELIMINARY
PLANTING PLAN

Revisions	By
4-24-2024	TEAM
7-3-2024	TEAM

Drawn By: TEAM
Checked By: _____
Date Issued: 10-13-2023
Project No.: 22-036
Scale: _____

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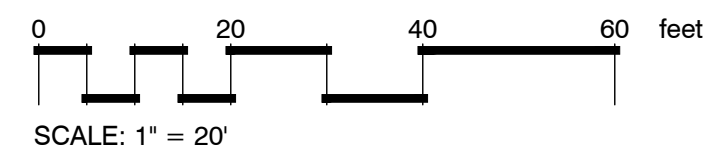
PLANTING NOTES

- THE PLANTING PLAN IS DIAGRAMMATIC AND SHALL BE USED AS A GUIDE FOR SETTING OUT PLANTS. PRIOR TO PLANTING, THE LANDSCAPE ARCHITECT SHALL BE CONTACTED TO APPROVE ALL PLANT LOCATIONS AND DIRECT ADJUSTMENTS.
- PLANT MATERIALS SHALL CONFORM TO NURSERYMAN'S STANDARDS FOR SIZE AND HEALTH. ALL PLANTS ARE SUBJECT TO REJECTION BY THE LANDSCAPE ARCHITECT IF SUBSTANDARD IN SIZE, QUALITY AND HEALTH. PROVIDE WATERPROOF SPECIES IDENTIFICATION TAGS ON ONE PLANT PER SPECIES PER GROUPING.
- PLANT COUNTS ARE FOR THE CONVENIENCE OF THE LANDSCAPE CONTRACTOR ONLY. CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS SHOWN ON THE PLAN.
- IRRIGATION SYSTEM SHALL BE FULLY OPERATIONAL AND ALL PLANTING AREAS THOROUGHLY SOAKED PRIOR TO PLANTING.
- LANDSCAPE CONTRACTOR SHALL MAINTAIN A MINIMUM 2% DRAINAGE AWAY FROM ALL BUILDINGS AND FINISH GRADES SMOOTHED TO ELIMINATE PUDDING OR STANDING WATER. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND MAINTAIN DRAINAGE DURING CONSTRUCTION. FINISH GRADE OF PLANTING AREAS SHALL BE 2" BELOW FINISH SURFACE OF PAVING AND A MINIMUM OF 8" BELOW BUILDING STUCCO SCREED.
- LANDSCAPE CONTRACTOR SHALL REMOVE ALL EXISTING VEGETATION, TRASH, CLIPPINGS, ROCK AND OTHER DEBRIS IN PLANTING AREAS. RAKE AND FINE GRADE ALL PLANTING AREAS PRIOR TO COMMENCEMENT OF PLANTING OPERATIONS.
- PLANTING PITS SHALL BE PER PLANTING DETAILS.
- PLANTING PITS AND PLANTERS SHALL BE BACKFILLED PER SOIL TEST REPORT FOR PLANTING. CONTRACTOR SHALL PROVIDE RESULTS OF AN AGRONOMIC SOILS TEST TO THE OWNER. CONTRACTOR SHALL ADD AMENDMENTS TO THE PLANTING AREAS PER SOILS TESTING RECOMMENDATIONS.
- STAKE 15 GALLON AND LARGER TREES PER DETAIL. CONTRACTOR SHALL BE RESPONSIBLE FOR TREE STABILITY DURING LENGTH OF THE GUARANTEE PERIOD.
- VERIFY TREE PIT DRAINAGE WITH 24 HOUR WATER FILL TEST PRIOR TO PLANTING. ALL BOXED TREES NOT DRAINING ARE TO HAVE A 4" DIAMETER AUGER HOLE DRILLED THROUGH ANY HARDPAN OR COMPACTED EARTH AS REQUIRED TO PROVIDE DRAINAGE IN 24 HOUR PERIOD.
- POST PLANTING FERTILIZATION SHALL BE PERFORMED BY CONTRACTOR AT 30, 60, & 90 DAYS AFTER PLANTING.
- PLANTS SHALL NOT BE PLACED WITHIN 12" OF SPRINKLER HEADS.
- SHRUBS AND TREES SHALL BE UNDERPLANTED WITH GROUND COVER AS SHOWN BY ADJACENT SYMBOL.
- GROUND COVER SHALL BE PLANTED USING TRIANGULAR SPACING AS NOTED IN DETAIL UNLESS OTHERWISE NOTED.
- PROVIDE 3" LAYER OF "WALK-ON BARK" FOR ALL NON-TURF PLANTING AREAS WITH SLOPES LESS STEEP THAN 3:1. PROVIDE SAMPLE TO LANDSCAPE ARCHITECT. BARK TO BE SHREDDED BARK MULCH.
- VINES SHALL BE SECURED TO ADJACENT FENCES, POSTS OR WALLS USING VINE TIES, UNLESS SHOWN ON TRELLIS.
- LOCATION OF TREES SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL JURISDICTION WITH REGARD TO SETBACKS FROM UTILITIES, STREET SIGNAGE AND RIGHT-OF-WAYS. IF TREES ON PLANS ARE IN VIOLATION OF SUCH CODES, CONTRACTOR SHALL INFORM LANDSCAPE ARCHITECT PRIOR TO INSTALLING TREES.
- LANDSCAPE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS FOR A PERIOD OF NINETY (90) DAYS AFTER FINAL ACCEPTANCE OF THE LANDSCAPE INSTALLATION. ALL AREAS SHALL BE KEPT CLEAN, WATERED AND WEED-FREE. ALL DEAD OR DYING PLANTS THAT ARE WATERED SHALL BE REPLACED WITHIN TWO (2) WEEKS. CONTRACTOR SHALL NOTIFY OWNER IN WRITING WHEN CONTRACTOR IS BEGINNING THE MAINTENANCE PERIOD AND WHAT DATE WILL TERMINATE THE MAINTENANCE PERIOD.
- CONTRACTOR SHALL GUARANTEE PLANT LONGEVITY AS FOLLOWS: TREES - ONE YEAR; SHRUBS AND GROUND COVER - THREE MONTHS. IF MAINTENANCE PERIOD ENDS DURING PERIOD OF PLANT DORMANCY, CONTRACTOR SHALL REPLACE ANY PLANTS THAT DO NOT GROW BACK DURING THE NEXT PLANTING SEASON.
- WHERE TREE TRUNKS ARE WITHIN 6" OF CURBS, WALLS, SIDEWALKS OR OTHER HARDSCAPE, CONTRACTOR SHALL INSTALL ROOT BARRIER BY "BIO-BARRIER". ROOT BARRIERS ARE TO BE LINEAR (36" DEEP MINIMUM) WITH A MINIMUM LENGTH OF 10 FEET PER TREE. LOCATE THE BARRIER AT THE PERIMETER EDGE OF THE PLANTER CENTERED ON THE TREE.
- CONTRACTOR SHALL PROVIDE THE OWNER WITH AS-BUILT PLANS OF IRRIGATION CLEARLY INDICATING LOCATION OF ALL VALVES, MAINLINES AND MODIFICATIONS TO HEAD LAYOUT.
- PROVIDE JUTE NETTING TO ALL SLOPES OF 3:1 OR GREATER.
- PRIOR TO PLANTING, CONTRACTOR SHALL REMOVE ALL WEEDS WITH SYSTEMIC HERBICIDE (ROUND-UP) AND APPLY A PRE-EMERGENT HERBICIDE AFTER PLANTING.

PLANT SCHEDULE PHASE 1

SYMBOL	BOTANICAL NAME	COMMON NAME	CONT	WUCOLS	QTY
TREES					
	CERKIS CANADENSIS 'OKLAHOMA'	OKLAHOMA REDBUD	24"BOX	MODERATE	3
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24"BOX	MODERATE	5
	ULMUS PARVIFOLIA 'TRUE GREEN'	TRUE GREEN LACEBARK ELM	24"BOX	MODERATE	26
SHRUBS					
	ANIGOZANTHOS FLAVIDUS 'BIG RED'	RED KANGAROO PAW	1 GAL	LOW	97
	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLUE GRAMA	1 GAL	LOW	108
	CHONDROPETALUM TECTORUM	CAPE RUSH	5 GAL	LOW	226
	DODONAEA VISCOSA 'GREEN'	GREEN HOPSPEED BUSH	5 GAL	LOW	101
	HESPERALOE PARVIFLORA	RED YUCCA	1 GAL	LOW	27
	LIGUSTRUM JAPONICUM 'TEXANUM'	TEXAS JAPANESE PRIVET	5 GAL	LOW	10
	LOMANDRA LONGIFOLIA 'BREEZE'	DWARF MAT RUSH	1 GAL	LOW	161
	MUEHLBERGIA CAPILLARIS 'REGAL MIST' TM	MURLY	1 GAL	LOW	186
	RIBES SPECIOSUM	FUCHSIA FLOWERING GOOSEBERRY	5 GAL		1
	SALVIA X 'ALLEN CHICKERING'	ALLEN CHICKERING SAGE	5 GAL	LOW	9
	WESTRINGIA FRUTICOSA 'WYNABIE GEM'	TEXAS JAPANESE PRIVET	5 GAL	LOW	25
	WESTRINGIA FRUTICOSA 'NFL25'	MUNDI™ COAST ROSEMARY	1 GAL	LOW	34

SYMBOL	BOTANICAL NAME	COMMON NAME	CONT	WUCOLS	SPACING	QTY
GROUND COVERS						
	CYNODON DACTYLON	BERMUDA GRASS	SEED	HIGH		61,834 SF
	JUNCUS PATENS 'ELK BLUE'	SPREADING RUSH	1 GAL	LOW	24" o.c.	6,462
	JUNIPERUS CONFERTA 'BLUE PACIFIC'	BLUE PACIFIC SHORE JUNIFER	5 GAL	LOW	60" o.c.	118
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA	FLAT	LOW	48" o.c.	32
	LANTANA MONTEVIDENSIS 'SUNBURST'	TRAILING LANTANA	1 GAL	LOW	48" o.c.	130
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	1 GAL@	LOW	36" o.c.	56



PLANT SCHEDULE PHASE 2

SYMBOL	BOTANICAL NAME	COMMON NAME	CONT	WUCOLS	QTY
TREES					
	LAGERSTROEMIA INDICA X FAURIEI 'TUSCARORA'	TUSCARORA CRAPE MYRTLE	24"BOX	MODERATE	1
	ULMUS PARVIFOLIA 'TRUE GREEN'	TRUE GREEN LACEBARK ELM	24"BOX	MODERATE	15
SHRUBS					
	ANIGOZANTHOS FLAVIDUS 'BIG RED'	RED KANGAROO PAW	1 GAL	LOW	3
	BOUTELOUA GRACILIS 'BLONDE AMBITION'	BLUE GRAMA	1 GAL	LOW	30
	CHONDROPETALUM TECTORUM	CAPE RUSH	5 GAL	LOW	51
	HESPERALOE PARVIFLORA	RED YUCCA	1 GAL	LOW	22
	LOMANDRA LONGIFOLIA 'BREEZE'	DWARF MAT RUSH	1 GAL	LOW	222
	SALVIA X 'ALLEN CHICKERING'	ALLEN CHICKERING SAGE	5 GAL	LOW	32
	WESTRINGIA FRUTICOSA 'NFL25'	MUNDI™ COAST ROSEMARY	1 GAL	LOW	57

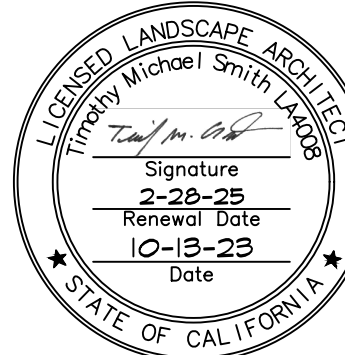
SYMBOL	BOTANICAL NAME	COMMON NAME	CONT	WUCOLS	SPACING	QTY
GROUND COVERS						
	CYNODON DACTYLON	BERMUDA GRASS	SEED	HIGH		77,119 SF
	JUNIPERUS CONFERTA 'BLUE PACIFIC'	BLUE PACIFIC SHORE JUNIFER	5 GAL	LOW	60" o.c.	60
	LANTANA MONTEVIDENSIS	PURPLE TRAILING LANTANA	FLAT	LOW	48" o.c.	49
	LANTANA MONTEVIDENSIS 'SUNBURST'	TRAILING LANTANA	1 GAL	LOW	48" o.c.	198
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET'	HUNTINGTON CARPET ROSEMARY	1 GAL@	LOW	36" o.c.	158



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NORTH SHAFTER
COMMUNITY PARK
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904 FLYNN AVENUE

PRELIMINARY
PLANTING PLAN

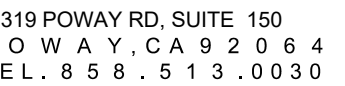
Revisions	By
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Drawn By TEAM
Checked By _____
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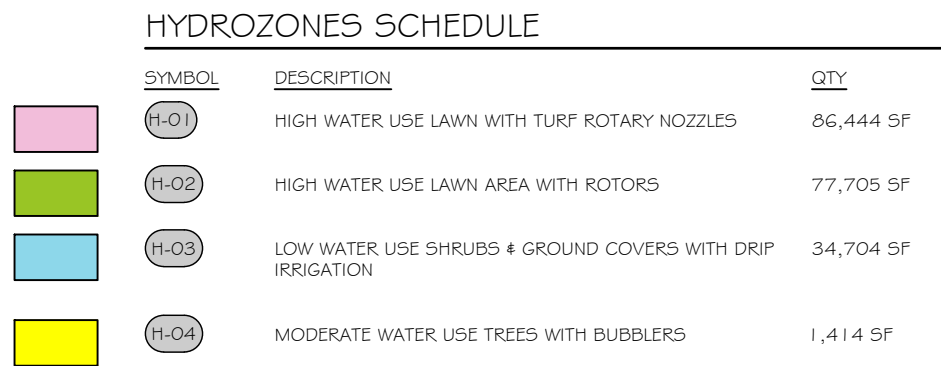
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L-4.1

Of _____ Sheets



PRELIMINARY HYDROZONE PLAN



Reference Evaporation (Eto)		52.4	Plant Factor (Kp)	0.1	Irrigation Method (Eti)	0.1	Irrigation Efficiency (Ei)	0.9	ETa (mm)	ETa x Area	Estimated Total Water Use (ETWU)
Hydrozone x											
H-03	10, 13, 16, 23, 36, 41, 43	0.2	D	0.9	0.22222	34,704	7,212	750,547			
H-04	1.6, 12, 127, 29, 41	0.5	DB	0.8	0.075	864	856	2,258,393			
SPECIAL LANDSCAPE AREAS											
	2, 3, 8, 9, 10, 15, 16, 18, 22, 24, 25, 26, 30, 31, 4, 5, 7, 10, 21, 32, 33, 37, 40, 42, 45					36,118	8,596	279,259			
H-101					1	86,444	86,444	2,258,393			
H-102					1	77,705	77,705	2,524,480			

Regular Landscape Areas		Totals	All Landscape Areas		Totals
Total ETAF x Area	(B)=	8,596	Total ETAF x Area	(B+D)=	172,745
Total Area	(A)=	36,118	Total Area	(A+C)=	200,267
Average ETAF	(B)/(A)	0.24	Site wide ETAF	(B+D)/(A+C)=	0.86

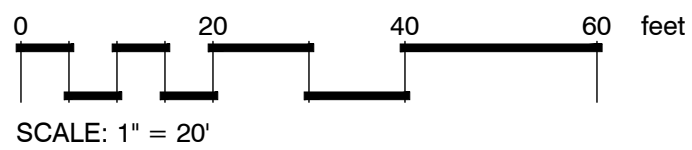
Hydrozone Category is based on the feature of plant within the hydrozone with the Highest plant factor.				
Hydrozone Category	PF - Plant Factor			
High Water Use	0.7-1.0			
Moderate Water Use	0.4-0.6			
Low Water Use	0.1-0.3			
Special Landscape Area	1			

Irrigation Method Code	IE - Irrigation Efficiency
S = Spray	0.55
R = Rotor	0.7
D = Drip	0.9
DB = Bubblers	0.8
MP = MP Rotator	0.75

Artificial turf is considered Low Water Use

* Turf and Landscape Irrigation Best Management Practices, April 2005, Water Management Committee of the Irrigation Association

Prepared by: Wynn-Smith Landscape Architecture, Inc.



North Shafter Community Park													
Estimated Year-End Value:	537,073												
Project Info:													
Month:													
Project ID:	6.5												
Category:	General												
Cost Center:	52.4												
Monthly Total (\$)	January	February	March	April	May	June	July	August	September	October	November	December	Total
NTR Funded	0.00	0.00	0.07	0.09	0.13	0.15	0.18	0.14	0.10	0.07	0.03	0.02	1.00
TOTAL FUND													
Water Budget Percent of Project Needs													
WATER BUDGET	0.12	0.12	0.15	0.16	0.20	0.20	0.20	0.16	0.10	0.08	0.03	0.01	
MAXIMUM WATER REQUIREMENT: 10:00 PM - 6:00 AM	101,772	101,120	125,100	129,100	159,470	159,470	159,470	124,280	86,260	64,280	24,280	11,217.75	
Regulation or other issues are taken into account. Controller must adjust times based on city specific needs.													

Hydrozone	Valley	Irrigation Method	Plant Factor (%)	Valve Area (in ²)	Flow (in ³ /sec)	IE	PE (in ³ /in ²)	Annual IE	Total/Annual Water Use (in ³)												Peak Monthly (ET _{crop})	Plant Factor (%)	Min. Water Requirement (in ³ /in ²)	Irrigation Efficiency (%)	Origins Rate (in ³ /in ²)	Application Rate (in ³ /in ²)	Monthly Savings	Peak Month	Working Days	Daily Savings
									January	February	March	April	May	June	July	August	September	October	November	December										
H-201	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	NTDWW	0.8	86444.0	48 355	0.7	98 793.14	52.49	3,200,582	61,221	130,225	214,851	287,889	404,262	471,638	520,450	643,138	526,634	214,581	96,805	55,137	8.5	0.8	6.8	0.7	8.71	0.4	1407.1	15	97
	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	NTDWW	0.8	86444.0	48 355	0.7	98 793.14	52.49	3,200,582	61,221	130,225	214,851	287,889	404,262	471,638	520,450	643,138	526,634	214,581	96,805	55,137	8.5	0.8	6.8	0.7	8.71	0.4	1407.1	15	97
	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	NTDWW	0.8	86444.0	48 355	0.7	98 793.14	52.49	3,200,582	61,221	130,225	214,851	287,889	404,262	471,638	520,450	643,138	526,634	214,581	96,805	55,137	8.5	0.8	6.8	0.7	8.71	0.4	1407.1	15	97
	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	NTDWW	0.8	86444.0	48 355	0.7	98 793.14	52.49	3,200,582	61,221	130,225	214,851	287,889	404,262	471,638	520,450	643,138	526,634	214,581	96,805	55,137	8.5	0.8	6.8	0.7	8.71	0.4	1407.1	15	97
	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	NTDWW	0.8	86444.0	48 355	0.7	98 793.14	52.49	3,200,582	61,221	130,225	214,851	287,889	404,262	471,638	520,450	643,138	526,634	214,581	96,805	55,137	8.5	0.8	6.8	0.7	8.71	0.4	1407.1	15	97
H-302	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	SWP	0.8	77350.0	42 844	0.75	83 881.53	42.43	2,643,738	53 389	81 500	178 961	241 528	339 102	366 675	416 326	451 374	378 931	178 931	82 237	46 260	8.5	0.8	6.8	0.75	9.07	1.72	376.3	15	71
	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	SWP	0.8	77350.0	42 844	0.75	83 881.53	42.43	2,643,738	53 389	81 500	178 961	241 528	339 102	366 675	416 326	451 374	378 931	178 931	82 237	46 260	8.5	0.8	6.8	0.75	9.07	1.72	376.3	15	71
	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	SWP	0.8	77350.0	42 844	0.75	83 881.53	42.43	2,643,738	53 389	81 500	178 961	241 528	339 102	366 675	416 326	451 374	378 931	178 931	82 237	46 260	8.5	0.8	6.8	0.75	9.07	1.72	376.3	15	71
	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	SWP	0.8	77350.0	42 844	0.75	83 881.53	42.43	2,643,738	53 389	81 500	178 961	241 528	339 102	366 675	416 326	451 374	378 931	178 931	82 237	46 260	8.5	0.8	6.8	0.75	9.07	1.72	376.3	15	71
	LA 15.15, 18.15, 20.15, 22.15, 24.15, 26.15, 28.15, 30.15, 32.15, 34.15, 36.15, 38.15, 40.15, 42.15, 44.15, 46.15, 48.15, 50.15, 52.15, 54.15, 56.15, 58.15, 60.15, 62.15, 64.15, 66.15, 68.15, 70.15, 72.15, 74.15, 76.15, 78.15, 80.15, 82.15, 84.15, 86.15, 88.15, 90.15, 92.15, 94.15, 96.15, 98.15, 100.15	BURBERS	0.8	14143.0	707	0.8	88 315.52	52.49	281,511	548	996	1,018	2,175	3,018	4,222	4,900	4,222	2,175	1,018	996	8.5	0.5	4.25	0.8	5.8	4.83	4.83	4.83	4.83	
TOTAL				205,267				108,994.8		137,910	212,340	412,895	554,459	779,602	930,360	1,002,745	861,381	620,242	412,895	188,752	106,173									

Run time adjustments relative to peak run times in July. Percentages are based on monthly ET for each month in Bakersfield, CA

* ESTIMATED VALVE RUN TIMES ARE ESTIMATES ONLY
** FOR ESTABLISHMENT, PERIOD DOUBLE ALL RUN TIMES

Of Sheets

GENERAL NOTES

- 24 HOUR INSPECTION NOTICE – PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE OFFICE OF THE CITY ENGINEER SHALL BE GIVEN AT LEAST 24 HOURS NOTICE. PHONE: (661) 746-5002.
- COMPACTION TEST NOTE – COMPACTION TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE NUMBER AND LOCATION OF REQUIRED TESTING SHALL BE DETERMINED BY THE CITY ENGINEER.
- CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AND THE CITY OF SHAFTER DEPARTMENT OF PUBLIC WORKS AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION TO MARK THE LOCATIONS OF EXISTING UTILITY LINES.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE THE START OF CONSTRUCTION. A CITY ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE OFFICE OF THE CITY ENGINEER FOR ALL WORK TO BE PERFORMED IN THE CITY RIGHT-OF-WAY.
- THE LOCATIONS OF EXISTING UTILITIES AND UNDERGROUND PIPELINES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES BEFORE COMMENCING WORK. CONTRACTOR ASSUMES ALL LIABILITY FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES DAMAGED BY FAILURE TO EXACTLY LOCATE, PRESERVE, AND PROTECT ANY AND ALL UNDERGROUND UTILITIES AND PIPELINES. SHOULD UNDERGROUND FACILITIES BE ENCOUNTERED WHICH ARE NOT SHOWN ON THE PLANS OR DEVIATE FROM THE LOCATION SHOWN, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER OF THAT FACILITY (IF APPROPRIATE) AND THE ENGINEER FOR POSSIBLE DESIGN CHANGES.
- ANY TRENCHING CONDUCTED WITHIN THIS PROJECT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CITY STANDARDS.
- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL OBSTRUCTIONS WITHIN THE STREET RIGHT-OF-WAY AS DIRECTED BY THE CITY ENGINEER.
- CONTRACTOR SHALL AGREE TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, ENGINEER, AND THE CITY OF SHAFTER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING THE LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER/ENGINEER/CITY OF SHAFTER.
- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF SHAFTER STANDARDS, THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL ENGINEERING INVESTIGATION REPORT FOR NORTH SHAFTER COMMUNITY PARK COMPLETED BY BSK ASSOCIATES PROJECT NUMBER 000000-880, DATED JULY 13, 2023, AS WELL AS APPENDIX J OF THE 2016 CALIFORNIA BUILDING CODE, AND AS DIRECTED BY THE CITY ENGINEER.
- ALL EXISTING IMPROVEMENTS THAT ARE REMOVED, DAMAGED, OR UNDERCUT SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE CITY ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- DUST CONTROL: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREVENT A DUST NUISANCE ORIGINATING FROM THE SITE OF WORK AS A RESULT OF HIS OPERATIONS DURING THE EFFECTIVE PERIOD OF THIS CONTRACT. PREVENTATIVE MEASURES TO BE TAKEN BY THE CONTRACTOR SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
 - OBTAIN AN APPROVED DUST CONTROL PLAN FROM THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT.
 - WATER SHALL BE APPLIED TO ALL UNPAVED AREAS AS REQUIRED TO PREVENT THE SURFACES FROM BECOMING DRY ENOUGH TO PERMIT DUST FORMATION.
 - PAVED SURFACES OVER WHICH VEHICULAR TRAFFIC IS PERMITTED TO TRAVEL SHALL BE KEPT FREE OF DIRT.
 - CONTRACTOR SHALL BE IN CONFORMANCE WITH THE SJVAPCD FOR AIR QUALITY STANDARDS AND MITIGATION MEASURES.
- ALL CONSTRUCTION PERSONNEL SHALL BE TRAINED IN SENSITIVE SPECIES IDENTIFICATION AND AVOIDANCE TECHNIQUES AND BE INSTRUCTED TO BE ON THE LOOKOUT FOR KIT FOX SIGNS DURING EARTH DISTURBANCE PHASES OF CONSTRUCTION. ANY EVIDENCE OF SUCH SIGNS SHOULD BE AVOIDED AND REPORTED TO THE REVIEWING AGENCIES FOR RESOLUTION. COMPLETE BIOLOGICAL CLEARANCE SURVEY SHALL BE PERFORMED AS REQUIRED BY CITY ORDINANCE.
- THIS PROJECT IS SUBJECT TO THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AND A "NOTICE OF INTENT" (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (ORDER NO. 2009-009-DWO), AND AMENDED BY 2010-014-DWO) MUST BE FILED WITH STATE WATER RESOURCES CONTROL BOARD IN SACRAMENTO BEFORE THE BEGINNING OF ANY CONSTRUCTION. COMPLIANCE WITH THE GENERAL PERMIT REQUIRES THAT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) BE PREPARED, CONTINUOUSLY CARRIED OUT, AND ALWAYS BE AVAILABLE FOR PUBLIC INSPECTION DURING NORMAL CONSTRUCTION HOURS.
- SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILLED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT OK AT (661) 616-2600. ANY REVISIONS REQUIRE CITY DEPARTMENT OF PUBLIC WORKS APPROVAL BEFORE PROCEEDING WITH REVISED PLANS.
- OK SHALL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO, OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY OK.
- CONTRACTOR SHALL NOTIFY OK OF ANY AND ALL CONFLICTS BETWEEN CONTRACT DRAWINGS AND ACTUAL SITE CONDITIONS PRIOR TO COMMENCING ANY WORK IN QUESTION.
- IF DURING THE CONSTRUCTION ACTIVITIES OR GROUND DISTURBANCE, CULTURAL RESOURCES ARE UNCOVERED, THE SUBDIVIDER SHALL STOP WORK AND RETAIN A QUALIFIED ARCHEOLOGIST FOR FURTHER STUDY. SUBDIVIDER SHALL NOTIFY THE PROPER AUTHORITIES AND BE SUBJECT TO ANY MITIGATION MEASURES REQUIRED OF THE ARCHEOLOGIST.
- THE CONTRACTOR SHALL NOT DESTROY ANY PERMANENT SURVEY MONUMENTS. ANY PERMANENT MONUMENTS OR POINTS DESTROYED SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- AT THE INITIAL CONSTRUCTION MEETING PRIOR TO GRADING ACTIVITIES, ALL CONSTRUCTION WORKERS MUST BE INFORMED OF THE SYMPTOMS OF VALLEY FEVER AND COVID-19
- PARCEL MERGER WILL BE REQUIRED PRIOR TO COMPLETION OF THE PROJECT.

GRADING NOTES

- THE OFFICE OF THE CITY ENGINEER SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF THE PLACEMENT OF ANY FILL MATERIAL.
- FILL MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER.
- ALL FILL MATERIAL SHALL BE MOISTURE CONDITIONED TO AT LEAST 2% ABOVE OPTIMUM MOISTURE AND COMPACTED TO 90% MINIMUM RELATIVE DENSITY, AS DETERMINED BY TEST METHODS REFERENCED IN THE 2016 CALIFORNIA BUILDING CODE APPENDIX J, AND SO CERTIFIED BY TESTS AND REPORT FROM THE GEOTECHNICAL ENGINEER.
- THE DESIGN ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING OPERATIONS TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODE WITHIN HIS PURVIEW.
- THE PLACEMENT OF FILL SHALL BE IN 6" MAXIMUM LIFTS, COMPACTED WITH HEAVY COMPACTION EQUIPMENT APPROVED BY THE CITY ENGINEER, UNLESS SPECIFICALLY RECOMMENDED OTHERWISE IN THE FINAL GEOTECHNICAL REPORT.
- COMPACTION IN PROPOSED PAVEMENT AREAS SHALL BE IN ACCORDANCE WITH THE STREET IMPROVEMENT PLANS AND THE FINAL GEOTECHNICAL REPORT.
- ALL CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
- ALL FILL AREAS TO BE CLEARED OF ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FOR A STRUCTURAL FILL AND THE AREAS SHALL BE SCARPED TO A DEPTH OF 6", UNLESS SPECIFICALLY NOTED OTHERWISE IN THE PRELIMINARY GEOTECHNICAL REPORT.
- ALL SLOPES IN EXCESS OF THREE FEET SHALL BE PREPARED AND MAINTAINED TO CONTROL AGAINST EROSION.
- SURFACE DRAINAGE TO BE 1% MINIMUM, EXCEPT AS WAIVED BY CITY ENGINEER.
- GRADING WORK SHALL BE SUPERVISED AS ENGINEERED GRADING IN ACCORDANCE WITH APPENDIX J OF THE 2016 CALIFORNIA BUILDING CODE.
- DURING GRADING, REASONABLE SEARCHING SHOULD BE PERFORMED FOR CONCEALED SUBSURFACE OBSTRUCTIONS. ABANDONED SUBSURFACE OBSTRUCTIONS SHOULD BE REMOVED. IF THE GENERAL PERMIT FOR ANY ABANDONED PIPING IS OUTSIDE THE PROJECT LIMITS, THE PIPING SHOULD BE REMOVED WITHIN THE PROJECT AND PROPERLY CAPPED AT THE PROJECT BOUNDARY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY RELOCATIONS.
- CONTRACTOR TO COORDINATE WITH THE INSPECTOR FOR THE LOCATION OF THE BORROW OR SPOLS PRIOR TO BEGINNING CONSTRUCTION.
- GRADING MAY REQUIRE THE BURIAL OF NATURAL DRAINAGE COURSES. WHEN THIS OCCURS SUBDRAINS SHOULD BE INSTALLED. THE SUBDRAINS SHOULD CONSIST OF 3/4" INCH DRAIN-ROCK WRAPPED IN GEOTEXTILE FABRIC "SUFAC 4M" OR EQUAL. THE SUBDRAINS SHOULD HAVE A CROSS SECTION EQUAL TO 9 SQUARE FEET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF SAID GRADING QUANTITIES PRIOR TO THE START OF GRADING OPERATIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR DISTRIBUTING ANY EXCESS MATERIAL OR SUPPLY MATERIAL FOR DEFICIENCIES TO BRING PAVEMENT OR LOTS TO REQUIRED GRADE. THE VERIFICATION OF GRADING SHALL BE DONE BY THE ENGINEER, AND THE CITY DEPARTMENT OF PUBLIC WORKS WILL NEED TO BE NOTIFIED.
- THE CONTRACTOR SHALL CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY OK AND THE CITY ENGINEER IN WRITING IMMEDIATELY OF ANY DIFFERENCES IN TOPOGRAPHY FROM THAT SHOWN ON THE PLANS WHICH MAY REQUIRE CHANGES IN DESIGN.
- THE CONTRACTOR SHALL NOTIFY THE CITY DEPARTMENT OF PUBLIC WORKS WHERE IT IS REASONABLY LIKELY THAT CORRECTIVE GRADING/SLOPE REPAIR WORK WILL EXTEND BEYOND THE LIMITS OF GRADING DELINEATED ON THESE PLANS.

STREET NOTES

- ALL STATIONING IS BASED ALONG STREET CENTERLINE UNLESS OTHERWISE NOTED.
- ALL EXISTING PAVING AND SURFACING REMOVED, DAMAGED OR UNDERCUT SHALL BE REPLACED IN ACCORDANCE WITH CITY OF SHAFTER DRAWING S-3.
- EXCAVATION SHALL BE SUPPORTED IN CONFORMANCE WITH THE RULES, ORDERS AND REGULATIONS OF THE INDUSTRIAL ACCIDENT COMMISSION, AND THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA. ALL SHORING SHALL BE INSTALLED IN A MANNER THAT WILL PREVENT CAVING OF THE WALL OF THE EXCAVATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, INSPECTIONS AND MATERIALS TESTING.
- WHERE PROPOSED SEWER AND STORM DRAIN IMPROVEMENTS CONNECT TO EXISTING FACILITIES, THE CONTRACTOR SHALL, PRIOR TO BEGINNING CONSTRUCTION, VERIFY THE LOCATION (HORIZONTAL AND VERTICAL), SIZE AND TYPE OF THE EXISTING FACILITY. SHOULD THE ACTUAL LOCATION, SIZE OR TYPE DIFFER FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY OK AT (661) 616-2600 IMMEDIATELY AND PRIOR TO COMMENCEMENT OF WORK FOR POSSIBLE DESIGN CHANGES.
- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ANY OBSTRUCTIONS AT HIS SOLE EXPENSE.
- CONTRACTOR SHALL EXPOSE ALL EXISTING PIPELINES OR OTHER UNDERGROUND OBSTRUCTIONS TO VERIFY THAT THERE ARE NO GRADE CONFLICTS PRIOR TO LAYING ANY GRAVITY PIPELINES UPSTREAM OF SAID PIPELINES OR OBSTRUCTIONS. FAILURE TO DO SO RELIEVES THE ENGINEER FROM FURTHER RESPONSIBILITY FOR SAID CONFLICT.
- CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION WATER AT HIS SOLE EXPENSE.
- ALL CONSTRUCTION MATERIALS, DEBRIS AND WASTE SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND ALL WASTE MATERIAL DISPOSED OF IN AN APPROVED DISPOSAL AREA. THE CONSTRUCTION SITE SHALL BE LEFT WITH A NEAT AND FINISHED APPEARANCE.

CITY OF SHAFTER MATERIAL STANDARDS

HOT MIX ASPHALT (CALTRANS STANDARD SPECIFICATIONS SECTION 39, 2010)

- GENERAL:
 - THIS WORK INCLUDES PRODUCING AND PLACING HOT MIX ASPHALT (HMA) TYPE A USING THE STANDARD PROCESS.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CERTIFICATION AND TESTING FOR MATERIALS WHICH SHALL BE PROVIDED TO THE ENGINEER FOR EACH DAY THAT HOT MIX ASPHALT IS PLACED.
 - CONTRACTOR SHALL SUBMIT A QUALITY CONTROL (QC) PLAN TO THE CITY ALONG WITH A JOB MIX FORMULA (JMF). QC PLAN WILL MEET THE REQUIREMENTS OF CALTRANS SECTION 39-2.02. LOT SIZE SHALL BE 1,000 TONS OF HMA MAXIMUM AND SHALL BE LIMITED TO A SINGLE LIFT AND AN INTEGRAL NUMBER OF FULL PAVING LANES.
- MATERIALS:
 - HOT MIX ASPHALT SHALL BE TYPE A AND SHALL CONFORM TO THE PROVISIONS IN SECTION 39, "HOT MIX ASPHALT," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.
 - THE GRADATION SHALL COMPLY WITH THE REQUIREMENTS FOR 3/4" GRADING OF THE STANDARD SPECIFICATIONS FOR THE FOLLOWING STREETS: NONE
 - THE GRADATION SHALL COMPLY WITH THE REQUIREMENTS FOR 1/2" GRADING OF THE STANDARD SPECIFICATIONS FOR THE FOLLOWING STREETS: ALL OTHER STREETS
 - THE GRADE OF ASPHALT BINDER TO BE MIXED WITH AGGREGATE FOR TYPE A HOT MIX ASPHALT SHALL BE PG 64-10. PG70-10 MAY BE SUBSTITUTED AT THE APPROVAL OF THE CITY ENGINEER. BINDER SHALL CONFORM TO THE PROVISIONS IN SECTION 92, "ASPHALTIS," OF THE STANDARD SPECIFICATIONS.
- PREPARATION:
 - SUBGRADE MUST BE FIRM AND UNYIELDING PRIOR TO THE PLACEMENT OF HMA. IF SUBGRADE IS FOUND TO BE YIELDING, PUMPING, OR OTHERWISE MOVING EXCESSIVELY UNDER LOAD, THEN CONTRACTOR, AT THE DIRECTION OF THE CITY, SHALL REMOVE THE SUBGRADE & REPLACE WITH COMPACTED CLASS II AGGREGATE, BASE OR OTHER APPROVED GRANULAR MATERIALS. WORK SHALL BE OBSERVED AND APPROVED BY THE CITY INSPECTOR PRIOR TO THE PLACEMENT OF HMA OVER THE AFFECTED AREA.
 - WHERE NEW HOT MIX ASPHALT PAVEMENT IS TO CONFORM TO EXISTING PAVED SURFACES, THE EXISTING PAVEMENT SHALL BE SAWCUT TO A FIRM UNIFORM GRAD.
 - ALL LOOSE AND EXTRANEOUS MATERIALS SHALL BE REMOVED PRIOR TO NEW HOT MIX ASPHALT SURFACING. IMMEDIATELY PRIOR TO RESURFACING, TEMPORARY OIL SAND RAMPS AT COLD PLANED CUTS SHALL BE REMOVED.
 - ASPHALTIC PAINT BINDER (TACK COAT) SHALL BE FURNISHED AND APPLIED TO ALL VERTICAL EDGES, EXISTING SURFACES TO BE SURFACED, AND BETWEEN LAYERS OF HOT MIX ASPHALT AT THE RATE OF 0.05 GALLONS PER SQ. YD. OF SURFACE COVERED.
 - THE AREA TO WHICH ASPHALTIC PAINT BINDER (TACK COAT) HAS BEEN APPLIED SHALL BE CLOSED TO PUBLIC TRAFFIC. CARE SHALL BE TAKEN TO AVOID TRACKING BINDER MATERIAL ONTO EXISTING PAVEMENT SURFACES, CONCRETE IMPROVEMENTS, OR BEYOND THE LIMITS OF CONSTRUCTION.
 - WHEN ASPHALTIC EMULSION IS USED AS PAINT BINDER (TACK COAT), HOT MIX ASPHALT SHALL NOT BE PLACED UNTIL THE APPLIED ASPHALTIC EMULSION HAS COMPLETELY CHANGED COLOR FROM BROWN TO BLACK.
- TRANSPORTATION, SPREADING & COMPACTING:
 - ATTENTION IS ALSO DIRECTED TO SECTIONS 39-1.10, "SPREADING AND COMPACTING EQUIPMENT," AND 39-1.11, "TRANSPORTING, SPREADING, AND COMPACTING," OF THE STANDARD SPECIFICATIONS.

- THE HOT MIX ASPHALT SHALL BE DELIVERED TO THE SITE IN A THOROUGHLY BLENDED CONDITION AND SHALL BE SPREAD BY A SELF-PROPELLED ASPHALT PAVING MACHINE IN SUCH A MANNER AS TO AVOID SEGREGATION AND POCKETS OF COARSE OR FINE MATERIAL. DURING THE PLACING OPERATIONS, THE CONTRACTOR SHALL MAINTAIN A NEAT NEW EDGE OF PAVEMENT. THE NEW EDGE OF PAVEMENT SHALL NOT EXCEED THE PAVING LIMITS AS SHOWN ON THE PLANS. ANY HOT MIX ASPHALT PLACED BEYOND THE PAVING LIMITS AS SHOWN ON THE PLANS SHALL BE REMOVED AT THE CONTRACTOR EXPENSE AND THE METHOD OF REMOVAL SHALL BE APPROVED BY THE ENGINEER.
- WHEN THE HOT MIX ASPHALT IS PLACED, THE CONTRACTOR SHALL MAINTAIN A NEAT NEW EDGE OF PAVEMENT. THE NEW EDGE OF PAVEMENT SHALL NOT EXCEED THE PAVING LIMITS AS SHOWN ON THE PLANS. ANY HOT MIX ASPHALT PLACED BEYOND THE PAVING LIMITS AS SHOWN ON THE PLANS SHALL BE REMOVED AT THE CONTRACTOR EXPENSE AND THE METHOD OF REMOVAL SHALL BE APPROVED BY THE ENGINEER.
- ALL LONGITUDINAL VERTICAL EDGES GREATER THAN 2" SHALL BE TAPERED AT A MINIMUM 4:1 SLOPE USING AGGREGATE BASE OR ASPHALT GRINDINGS, AT THE END OF EACH WORKING DAY. ALL COLD TRANSVERSE JOINTS SHALL BE TRIMMED TO A NEAT VERTICAL EDGE PRIOR TO THE NEXT DAY PAVING OPERATION.
- THE MINIMUM DEPTH OF HOT MIX ASPHALT SHALL BE AS SHOWN ON THE PLANS.
- INITIAL ROLLING SHALL BE PERFORMED IMMEDIATELY AFTER PLACEMENT.
- DO NOT LEAVE A VERTICAL JOINT MORE THAN 0.15 FOOT HIGH BETWEEN ADJACENT LANES OPEN TO PUBLIC TRAFFIC.
- ADDITIONAL HOT MIX ASPHALT SHALL BE PLACED ALONG THE TRANSVERSE EDGE AT THE END OF EACH LANE AND ALONG THE EXPOSED LONGITUDINAL EDGES BETWEEN ADJACENT LANES, HAND RAKED, AND COMPACTED TO FORM TEMPORARY CONFORMS. KRAFT PAPER, OR OTHER APPROVED BOND BREAKER, MAY BE PLACED UNDER THE CONFORM TAPERS TO FACILITATE THE REMOVAL OF THE TAPER WHEN PAVING OPERATIONS RESUME.
- ADDITIONAL HOT MIX ASPHALT SURFACING MATERIAL SHALL BE PLACED ALONG THE EDGE OF THE SURFACING AT OTHER ROAD CONNECTIONS AND PRIVATE DRIVES, HAND RAKED, IF NECESSARY, AND COMPACTED TO FORM SMOOTH TAPERED CONFORMS.
- WHEN THE HOT MIX ASPHALT IS PLACED, THE CONTRACTOR SHALL MAINTAIN A NEAT NEW EDGE OF PAVEMENT. THE NEW EDGE OF PAVEMENT SHALL NOT EXCEED THE PAVING LIMITS AS SHOWN ON THE PLANS. ANY HOT MIX ASPHALT PLACED BEYOND THE PAVING LIMITS AS SHOWN ON THE PLANS SHALL BE REMOVED AT THE CONTRACTOR EXPENSE AND THE METHOD OF REMOVAL SHALL BE APPROVED BY THE ENGINEER.
- ALL LONGITUDINAL VERTICAL EDGES GREATER THAN 2" SHALL BE TAPERED AT A MINIMUM 4:1 SLOPE USING AGGREGATE BASE OR ASPHALT GRINDINGS, AT THE END OF EACH WORKING DAY. ALL COLD TRANSVERSE JOINTS SHALL BE TRIMMED TO A NEAT VERTICAL EDGE PRIOR TO THE NEXT DAY PAVING OPERATION.
- THE EDGE OF EACH LIFT OF HOT MIX ASPHALT SHALL BE STAGGERED AS TO NOT LINE UP WITH THE UNDERLYING EDGE OF LIFT.
- EACH LIFT OF HOT MIX ASPHALT SHALL NOT BE PLACED UNTIL THE EXISTING LIFT IS FREE OF DUST, VEGETATION, AND OTHER DEBRIS, AND IS APPROVED BY THE ENGINEER.
- THE FINISH SURFACE WHEN COMPACTED SHALL BE SMOOTH, DENSE, WELL BONDED AND OF UNIFORM TEXTURE AND APPEARANCE.
- SHOULD THE METHODS AND EQUIPMENT USED BY THE CONTRACTOR FAIL TO PRODUCE A LAYER OF HOT MIX ASPHALT CONFORMING TO THE PROVISIONS, INCLUDING STRAIGHTEDGE TOLERANCE, OF SECTION 39-1.12B, "STRAIGHTEDGE," OF THE STANDARD SPECIFICATIONS, THE PAVING OPERATIONS SHALL BE DISCONTINUED AND THE CONTRACTOR SHALL MODIFY THE EQUIPMENT OR METHODS, OR FURNISH ADDITIONAL EQUIPMENT.
- COMPACTING EQUIPMENT SHALL CONFORM TO THE PROVISIONS OF SECTION 39-1.10, "SPREADING AND COMPACTING EQUIPMENT," OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL FURNISH A SUFFICIENT NUMBER OF ROLLERS TO OBTAIN THE SPECIFIED SURFACE REFINED BY THESE SPECIAL PROVISIONS. THE CONTRACTOR SHALL SIZE THE ROLLERS TO ACHIEVE THE REQUIRED RESULTS.
- VIBRATORY ROLLERS SHALL BE DOUBLE STEEL DRUM, HAVING ADJUSTABLE FREQUENCY AND AMPLITUDE SETTINGS DIRECTLY AVAILABLE TO THE OPERATOR DURING OPERATION.
- ROLLING SHALL BE PERFORMED IN SUCH A MANNER THAT CRACKING, SHOVING OR DISPLACEMENT WILL BE AVOIDED. EQUIPMENT WHICH DOES NOT PERFORM SATISFACTORILY IN THE OPINION OF THE ENGINEER SHALL BE DISALLOWED AND REMOVED FROM THE SITE OF WORK.
- IF THE FINISHED SURFACE OF THE HOT MIX ASPHALT DOES NOT MEET THE SPECIFIED SURFACE TOLERANCES, IT SHALL BE BROUGHT WITHIN TOLERANCE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. THE METHOD WILL BE SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO CORRECTIVE WORK. CORRECTIVE WORK SHALL BE ONE OF THE FOLLOWING:
 - ABRASIVE GRINDING (WITH FOG SEAL COAT ON THE AREAS WHICH HAVE BEEN GROUND),
 - REMOVAL AND REPLACEMENT, OR
 - PLACING AN OVERLAY OF HOT MIX ASPHALT.
- IF ABRASIVE GRINDING IS USED TO BRING THE FINISHED SURFACE TO SPECIFIED SURFACE TOLERANCES, ADDITIONAL GRINDING SHALL BE PERFORMED, AS NECESSARY, TO EXTEND THE AREA GROUND IN EACH LATERAL DIRECTION SO THAT THE LATERAL LIMITS OF GRINDING ARE AT A CONSTANT OFFSET FROM, AND PARALLEL TO, THE NEAREST LANE LINE OR PAVEMENT EDGE, AND IN EACH LONGITUDINAL DIRECTION SO THAT THE GRINDING BEGINS AND ENDS AT LINES NORMAL TO THE PAVEMENT CENTERLINE, WITHIN ANY GROUND AREAS OF THE GROUND AREAS OF THE GROUND AREAS OF UNIFORM SURFACE APPEARANCE. ABRASIVE GRINDING SHALL CONFORM TO THE REQUIREMENTS IN THE FIRST PARAGRAPH AND THE LAST 4 PARAGRAPHS IN SECTION 42-2.02, "CONSTRUCTION," OF THE STANDARD SPECIFICATIONS.

AGGREGATE BASE:

AGGREGATE BASE SHALL BE CLASS 2 AND SHALL CONFORM TO THE PROVISIONS IN SECTION 26, "AGGREGATE BASES," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS. AGGREGATE FOR CLASS 2 AGGREGATE BASE SHALL BE CLEAN AND FREE FROM VEGETABLE MATTER AND OTHER DELETERIOUS SUBSTANCES. COMPACT THE AGGREGATE BASE TO 95% RELATIVE COMPACTION. COMPACTION IS DETERMINED BY ASTM D1557-70, PROCEDURE A.

MISCELLANEOUS CONCRETE STRUCTURES

- CONCRETE CURB AND GUTTER SHALL CONFORM WITH THE DETAILS SHOWN ON THE PLANS AND SECTION 73 OF THE STATE STANDARDS SPECIFICATIONS.
- SIDEWALKS SHALL CONFORM TO THE CITY STANDARD DETAILS S-15, S-16, AND S-17.
- RESIDENTIAL & COMMERCIAL DRIVE APPROACHES SHALL CONFORM TO THE CITY STANDARD DETAILS S-12 AND S-13.
- CROSS GUTTERS SHALL CONFORM TO THE CITY STANDARD DETAILS S-5 AND S-6.
- MEDIAN CURBS SHALL CONFORM TO THE CITY STANDARD DETAIL S-2.
- CONCRETE USED TO ADJUST EXISTING FACILITIES TO GRADE SHALL MEET THE REQUIREMENTS OF THE STATE STANDARD SPECIFICATIONS, SECTION 90-10, MINOR CONCRETE. CLASS A MINIMUM.

PAVEMENT MARKINGS & STRIPING

- PAVEMENT MARKING & STRIPING MATERIAL SHALL BE LEAD-FREE WATERBORNE STRIPING PAINT CONFORMING TO SECTION 84-3, "PAINTED TRAFFIC STRIPES" AND PAVEMENT MARKINGS" OF THE STANDARD SPECIFICATIONS SHALL BE USED AS THE STANDARD CONSTRUCTION MATERIAL FOR ALL PAVEMENT MARKINGS.

CONSTRUCTION STANDARDS

- ALL STREET CONSTRUCTION, RECONSTRUCTION, AND REHABILITATION PERFORMED SHALL BE DONE IN ACCORDANCE WITH APPROPRIATE PROVISIONS AND CONSTRUCTION DETAILS, SECTION 10 TO SECTION 95, INCLUSIVE, OF THE STANDARD SPECIFICATIONS, CITY STANDARD DETAILS, AND IN ACCORDANCE WITH THE FOLLOWING SPECIAL PROVISIONS.

MISCELLANEOUS CONCRETE STRUCTURES

- THE OPERATIONS OF DEPOSITING, COMPACTING, AND FINISHING CONCRETE STRUCTURES SHALL BE CONDUCTED SO AS TO BUILD A SATISFACTORY STRUCTURE. IF ANY SECTION OF CONCRETE IS FOUND TO BE POROUS, OTHER THAN MINOR DEFECTS WHICH MAY BE PLASTERED, OR IS OTHERWISE DEFECTIVE, IT SHALL BE REMOVED AND REPLACED.
- CONCRETE THAT HAS BEEN BROKEN, CRACKED, OR VANDALIZED SHALL NOT BE ACCEPTABLE TO THE CITY AND SHALL BE REPLACED AT NO COST TO THE CITY.
- NO CONCRETE ITEM IS TO BE PLACED UNTIL THE SUBGRADE HAS BEEN COMPACTED AND TESTED IN CONFORMANCE WITH THE APPLICABLE CITY DETAILS AND THE CITY ENGINEER.

EARTHWORK GRADING

- ALL GRADING AND EARTHWORK FOR CITY STREETS SHALL BE IN FULL COMPLIANCE WITH SECTION 19 OF THE STANDARD SPECIFICATIONS AND THE APPROVED PLANS.
- EXCAVATION SHALL BE MADE TO THE REQUIRED WIDTH AND DEPTH TO ALLOW THE CONSTRUCTION OF THE STREET.
- ALL GRADING WORK SHALL BE SUPERVISED AS ENGINEERED GRADING.

SUBGRADE COMPACTION

- THE SUBGRADE UPON WHICH THE ROAD SECTION IS TO BE CONSTRUCTED SHALL BE COMPACTED TO A FIRM UNIFORM GRAD. ALL SOFT AND UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE APPROVED MATERIAL.
- SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 90% RELATIVE MAXIMUM COMPACTION AND THICKNESS AS SPECIFIED ON THE APPROVED PLANS.
- THE CITY SHALL CHECK AND ACCEPT THE SUBGRADE BEFORE CONSTRUCTION OF THE ROAD SECTION CONTINUES.

AGGREGATE BASE

- AGGREGATE BASE SHALL BE MOISTENED TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT AND COMPACTED IN PLACE TO A RELATIVE MAXIMUM COMPACTION OF 95% AND THICKNESS AS SPECIFIED ON THE APPROVED PLANS.
- THE CITY SHALL CHECK AND ACCEPT THE AGGREGATE BASE BEFORE CONSTRUCTION OF THE ROAD SECTION CONTINUES.

FOG SEAL

- ALL NEW ASPHALT SURFACES SHALL RECEIVE A FOG SEAL PRIOR TO ACCEPTANCE BY THE CITY.
- FOG SEAL SHALL BE AN APPROVED MIXTURE OF WATER AND ASPHALTIC EMULSION CONFORMING TO SECTION 94 OF THE STANDARD SPECIFICATIONS.
- FOG SEAL SHALL BE APPLIED AS SET FORTH IN SECTION 37-1 OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS AT THE RATE OF 0.05 GALLONS OF ASPHALT EMULSION PER SQ. YD. OF SURFACE COVERED.
- FOG SEAL SHALL BE PERFORMED AFTER PAVING HAS BEEN COMPLETED AND BEFORE ANY MANHOLES, VALVE BOXES, AND OTHER UTILITY APPURTENANCES ARE BROUGHT TO GRADE.

ADJUSTING EXISTING HIGHWAY FACILITIES

- ALL EXISTING SEWER & STORM DRAIN MANHOLES, WATER VALVE BOXES, AND OTHER SUBSTRUCTURES SHALL BE BROUGHT TO GRADE IN ACCORDANCE WITH CITY STANDARD DETAIL S-8.

WATER NOTES

- CONTRACTOR WILL FURNISH ALL MATERIALS, TOOLS, LABOR, EQUIPMENT AND SUPERVISION NECESSARY TO COMPLETE INSTALLATION AND TESTING OF WATER IMPROVEMENTS AS SHOWN ON THE APPROVED PLANS AND SPECIFIED IN THE BIDDING DOCUMENTS.
- ALL POTABLE WATER COMPONENTS IN CONTACT WITH DRINKING WATER SHALL COMPLY WITH NSF61.
- WATER LINES INTERNAL TO THE PARK SHALL BE SCHEDULE 40 PVC PER ASTM D1785.
- VALVES AND FITTINGS: ALL VALVES SHALL BE RESILIENT SEAT WEDGE GATE VALVES MEETING APPROPRIATE AWWA STANDARDS AS SPECIFIED IN THE BIDDING DOCUMENTS. ALL FITTINGS SHALL BE DUCTILE IRON AND SHALL MEET THE REQUIREMENTS OF AWWA C110 STANDARDS.
- TESTING
 - IMMEDIATELY AFTER THE WATER LINE IS COMPLETED, THE CONTRACTOR SHALL TEST THE WATER LINE FOR LEAKAGE IN ACCORDANCE WITH THE SPECIFICATIONS AND THE CITY AGREEMENT. THE CITY AGREEMENT IS ANY PIPE OR FITTINGS THAT FAIL TO PASS THE MAXIMUM ALLOWABLE LEAKAGE REQUIREMENTS SHALL BE REMOVED AND REPLACED WITH NEW MATERIALS AT THE EXPENSE OF THE CONTRACTOR.
 - THE LINES SHALL BE TESTED TO A PRESSURE OF 150 PSI. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED FOR THE TEST.
 - DISINFECTION
 - THE WORK SHALL BE ACCOMPLISHED BY THE CONTRACTOR, AFTER ALL PRESSURE AND LEAKAGE TESTS ARE COMPLETED, IN ACCORDANCE WITH AWWA SPECIFICATION C-650.
 - THE DISINFECTING AGENT SHALL BE LIQUID CHLORINE FED THROUGH A MIXING EQUIPMENT WHICH GASPIRES AND DISSOLVES THE CHLORINE IN WATER IN STRONG SOLUTION AND DELIVERS THE SOLUTION IMMEDIATELY INTO THE PIPE LINE BEING TREATED.
 - THE WORK SHALL BE SUPERVISED BY A COMPETENT PERSON EXPERIENCED IN THE PROCESS, WHO SHALL USE AN APPROVED CHLORINE TEST COMPARATOR WITH STANDARDIZED ORTHOTOLUENE SOLUTION FOR MAKING THE TESTS.
 - THE CONTRACTOR SHALL FURNISH ALL NECESSARY WATER, CHEMICALS, EQUIPMENT AND PERSONNEL.
 - APPLICATION: THE RATE OF APPLICATIONS SHALL PRODUCE A SOLUTION OF AT LEAST 25 PARTS PER MILLION BY WEIGHT IN SAMPLES TAKEN FROM THE PORTION OF THE MAIN MOST DISTANT FROM THE POINT OF APPLICATION AND FROM THE END OF EACH BRANCH.
 - AFTER COMPLETION OF THE APPLICATION, THE PIPE LINES SHALL REMAIN CLOSED FOR 24 HOURS. SAMPLES SHALL THEN BE TAKEN AT THE SAME POINTS AS BEFORE AND SHALL SHOW NO LESS THAN 10 PARTS PER MILLION AVAILABLE CHLORINE BY WEIGHT. CHLORINE BY WEIGHT CHLORINE DISINFECTION SHALL BE EFFECTED AS DIRECTED. CHLORINE SHALL BE ADDED TO THE NEW LINE AT THE UPPER END, IF THE CHLORINE RESIDUAL DROPS BELOW 25 PARTS PER MILLION IN ANY PORTION OF THE LINE.
 - FLUSHING: AFTER THE 24-HOUR STERILIZATION PERIOD, THE LINE SHALL BE THOROUGHLY FLUSHED TO REMOVE ALL STRONGLY CHLORINATED WATER UNTIL SAMPLES TAKEN AT VARIOUS POINTS AS SPECIFIED IN THE BIDDING DOCUMENTS SHOW NO LESS THAN 1.0 PART PER MILLION AVAILABLE CHLORINE BY WEIGHT.
 - CARE SHALL BE TAKEN TO PREVENT STRONG CHLORINE SOLUTION IN THE LINE BEING TREATED FROM FLOWING BACK INTO THE EXISTING SYSTEM.
 - DURING THE PROCESS OF CHLORINATING THE PIPE LINE, ALL VALVES AND OTHER DEVICES SHALL BE OPERATED WHILE THE PIPE LINE IS FILLED WITH THE HEAVILY CHLORINATED WATER.
 - BACKFILL & COMPACTION: BACKFILL & COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF SHAFTER STANDARDS.

STORM DRAIN NOTES

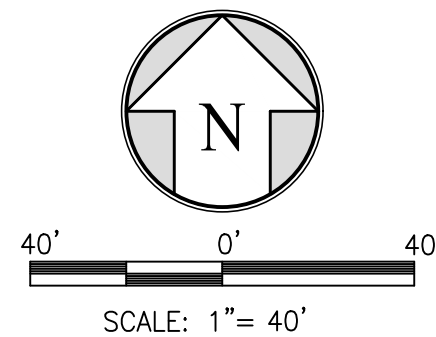
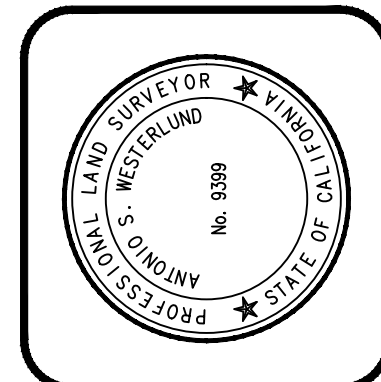
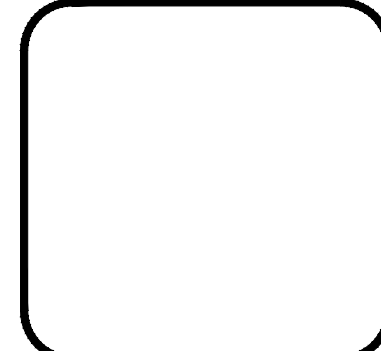
- ALL STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE (R.C.P.) CLASS III WITH RUBBER GASKET JOINTS OR CAST-IN-PLACE (C.I.P.), UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
 - R.C.P. SHALL BE RUBBER GASKETED CLASS III AND SHALL CONFORM TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS, SECTION 65, "CONCRETE PIPE".
 - C.I.P. SHALL CONFORM TO THE SPECIFICATIONS FOR CAST IN PLACE CONCRETE PIPE (ACI 346) LATEST EDITION REPORTED BY THE AMERICAN CONCRETE INSTITUTE. C.I.P. SHALL BE POURED MONOLITHICALLY FROM MANHOLE TO MANHOLE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER IN WRITING. CONTRACTOR SHALL VERIFY TRENCHING REQUIREMENTS FOR C.I.P. WITH THE GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.
 - CATCH BASINS TO BE TYPE "A" PER CITY OF SHAFTER STANDARD DETAIL SD-3 UNLESS OTHERWISE NOTED.
 - ALL PIPELINES AND TRENCHES SHALL BE BACKFILLED PER THE CITY OF SHAFTER'S STANDARD DETAIL SW-1.
 - ALL PIPE OR CONDUITS SHALL BE OF THE SIZE, MATERIAL AND STRENGTH AS SHOWN ON THE PLANS. ALL PIPE AND FITTINGS SHALL BE MARKED OR STAMPED WITH THE TRADE BRAND NAME OF THE MANUFACTURER, AND STRENGTH OR CLASS OF PIPE. ALL PIPE SHALL BE DESIGNED TO WITHSTAND ALL INTERNAL OR EXTERNAL LOADS APPLIED, SUPPORTING STRENGTH OF CONDUITS AS INSTALLED TO SAFELY CARRY IMPOSED GRAVITY LOADS AND SUPERIMPOSED LOADS (INCLUDING A SUITABLE FACTOR OF SAFETY) SHALL BE DETERMINED BY USE OF MARSTON FORMULA AS PER CHAPTER IX (STRUCTURAL REQUIREMENTS) ASCE MANUAL OF ENGINEERING PRACTICE NO. 37. ALL PIPE OR CONDUITS SHALL BE OF THE SAME MATERIALS BETWEEN STRUCTURES.
 - ALL MANHOLE COVERS SHALL BE A MINIMUM OF 0.5' BELOW FINISHED PAVEMENT ELEVATION UNTIL COMPLETION OF PAVING. ADJUST ALL MANHOLES TO FINISH GRADE AFTER PAVING IS COMPLETED.
 - ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT CITY OF SHAFTER STANDARD SPECIFICATIONS, DETAILS AND THESE PLANS AND SPECIFICATIONS. IN ANY CONFLICT BETWEEN SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
 - THE SUBDIVIDER AND CONTRACTORS SHALL INSTALL AND MAINTAIN PROTECTION AROUND STORM DRAIN INLETS DURING CONSTRUCTION TO PREVENT INFILTRATION OF MUD AND DIRT INTO THE STORM DRAIN SYSTEM.
 - JUNCTION BOXES AND CATCH BASINS WITH FINISH GRADE TO LOWEST INVERT DIMENSIONS OF TEN (10) FEET OR GREATER SHALL BE CONSTRUCTED AS FOLLOWS:
 - BOTTOM OF STRUCTURE SHALL BE EXCAVATED TO A FLAT, EVEN, AND WELL COMPACTED GRADE WITH SUFFICIENT SPACE BELOW THE LOWEST PIPE. STRUCTURE BASE SHALL BE CAST IN PLACE CONCRETE TO A MINIMUM OF ONE (1) FOOT ABOVE THE TOP OF THE PIPE. BASE AND WALLS SHALL BE REINFORCED IN ACCORDANCE WITH CITY STANDARD DETAILS. CONCRETE MATERIALS, REINFORCING, AND WATER STOPS SHALL ALL MEET OR EXCEED CITY STANDARDS.
 - AFTER BASE IS POURED, A PRECAST VERTICAL SECTION OF JUNCTION BOX OR CATCH BASIN RECTANGULAR SHAFING SHALL BE WET SET INTO THE BASE. SUBMITTALS ON PRECAST SHAFING SHALL BE PROVIDED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO USE. MATERIALS AND REINFORCEMENT SHALL MEET OR EXCEED CITY STANDARDS. PRECAST SHAFING SECTIONS SHALL BE KEVED TO ONE ANOTHER.
 - JUNCTION BOXES: PRECAST CONCRETE RECTANGULAR SHAFING FOR JUNCTION BOXES SHALL BE INSTALLED FROM THE BASE TO JUST BELOW THE PROPOSED FINISHED GRADE SURFACE. JOINTS SHALL BE SEALED WITH MASTIC. A PRECAST CONCRETE FLAT TOP LID SHALL BE INSTALLED SO THAT THE TOP OF THE LID TO FINISH GRADE DOES NOT EXCEED TWO (2) FEET. PRECAST CONCRETE LID SHALL BE DESIGNED TO MEET H20 LOADINGS. SUBMITTALS ON PRECAST LIDS SHALL BE PROVIDED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO USE. MATERIALS AND REINFORCEMENT SHALL MEET OR EXCEED CITY STANDARDS. PRECAST LID SHALL BE KEVED TO PRECAST SHAFING AND SEALED WITH MASTIC. SHAFING SHALL BE CUT AS NECESSARY TO ALLOW FOR STORM DRAIN PIPE TO GO THROUGH THE SHAFING WALL. PIPE THROUGH WALL CONNECTIONS SHALL HAVE WATER STOPS INSTALLED AND BE SECURED WITH GROUT. ALL JOINTS SHALL BE GROUTED PRIOR TO ACCEPTANCE.
 - CATCH BASINS: PRECAST CONCRETE RECTANGULAR SHAFING FOR CATCH BASINS SHALL BE INSTALLED FROM THE BASE TO WITHIN TWO (2) TO FOUR (4) FEET BELOW THE PROPOSED CATCH BASIN FLOW LINE. MINIMUM INTERIOR DIMENSION FOR PRECAST CATCH BASIN SHAFING SHALL BE FOUR (4) FEET. TOP PRECAST SHAFT SHALL HAVE A MINIMUM OF 36 INCHES OF REINFORCEMENT STUBBED OUT OF THE TOP. ALL CATCH BASINS TOPS, WINGS, AND OPENINGS SHALL BE CAST IN PLACE. PRECAST CATCH BASIN TOPS SHALL NOT BE PERMITTED. CATCH BASIN TOPS SHALL BE CONSTRUCTED TO CITY STANDARDS AND SHALL INCLUDE STANDARD TIES AND REBAR SPLICES TO THE REINFORCEMENT STUBBED OUT OF THE TOP PRECAST CATCH BASIN SHAFT. ALL JOINTS SHALL BE GROUTED PRIOR TO ACCEPTANCE.
- CONTRACTOR SHALL SUBMIT FINAL JUNCTION BOX DESIGN AT LEAST ONE WEEK PRIOR TO CONSTRUCTION TO BE APPROVED BY THE CITY ENGINEER.
- CONTRACTOR SHALL NOT PLACE ANY KNOCKOUTS FOR STORM DRAIN PIPE WITHIN THE ECCENTRIC CONE OF THE MANHOLE. SPECIFICATIONS.

SANITARY SEWER NOTES

- ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL FURNISH ALL MATERIALS, TOOLS, LABOR, EQUIPMENT, APPURTENANCES AND SUPERVISION NECESSARY TO COMPLETE INSTALLATION AND TESTING OF SEWER IMPROVEMENTS AS SHOWN ON THE APPROVED PLANS.
- POLY VINYL CHLORIDE PIPE (PVC)
 - MATERIALS:
 - GRAVITY SEWER PIPE AND FITTINGS SHALL BE SDR-35 AND SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION D-3034, SEWER PIPE 18" AND LARGER SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION F-679 FOR PS-46 REQUIREMENTS SDR-35.
 - FORCE MAIN PIPE SHALL BE C900 D18 OUTSIDE OF BORE CASING. FORCE MAIN PIPE SHALL BE RESTRAINED JOINT C900/RJ D18 INSIDE OF BORE CASING. ALL FORCE MAIN PIPE SHALL BE GREEN IN COLOR (OR CITY APPROVED EQUIVALENT) AND SHALL MEET THE REQUIREMENTS OF ASTM D3134.
 - ALL FORCE MAIN FITTINGS SHALL BE DUCTILE IRON FITTINGS COMPATIBLE FOR USE WITH C900 PVC PIPE. DUCTILE IRON FITTINGS SHALL BE WRAPPED IN POLYETHYLENE PER AWWA C-105
 - JOINTS:
 - FOR PIPE OUTSIDE OF BORE CASING USE ONLY ELASTOMERIC GASKET JOINTS.
 - FOR PIPE INSIDE OF BORE CASING AND UP TO THE FIRST FITTING OF THE BORE CASING, USE ONLY NON-METALLIC COUPLINGS WITH ELASTOMERIC O-RINGS AND THERMOPLASTIC SPLINES OR OTHER APPROVED RESTRAINED JOINT METHOD.
 - THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION AND APPLICABLE ASTM SPECIFICATIONS.
 - WHERE PVC PIPE CONNECTS TO VCP, DI, OR OTHER EXISTING SEWER LINE MATERIALS, USE COUPLINGS APPROVED BY THE CITY OF SHAFTER.
 - INSTALLATION: PIPE AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321. ONLY CLASS I, II, AND III EMBEDMENT MATERIALS WILL BE CONSIDERED SUITABLE.
- EXCAVATION SHALL BE SUPPORTED IN CONFORMANCE WITH THE RULES, ORDERS AND REGULATIONS OF THE CAL/OSHA INDUSTRIAL ACCIDENT COMMISSION AND THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA. SHEET PILING AND OTHER TIMBERS SHALL BE DRAWN IN A MANNER THAT WILL PREVENT CAVING OF THE WALLS OF THE EXCAVATION OR OTHER LOAD ON THE PIPE OR CONDUIT.
- ALL MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF SHAFTER STANDARD DETAILS AND SECTION 70-1.02H AND 71-1.07 OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- ALL RODDING AND FLUSHING CLEANOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF SHAFTER STANDARD DRAWING SW-7 AND SW-8.
- ALL SEWER STUBS SHALL BE CLOSED WITH A STANDARD PLASTIC PLUG, SOLVENT WELD.
- THE SYSTEM SHALL BE INSPECTED AFTER FINAL PAVING IS COMPLETED AND ANY DAMAGE TO THE SYSTEM DURING FINAL PAVING AND CLEANUP WILL BE CORRECTED BEFORE APPROVAL, AT THE SOLE EXPENSE OF THE CONTRACTOR.
- CLEANING:
 - PRIOR TO THE ACCEPTANCE OF ANY SEWER LINE BY THE CITY OF SHAFTER, CONTRACTOR SHALL CLEAN ALL LINES WITH A WAYNE-TYPE SEWER CLEANING BALL UNDER HYDROSTATIC PRESSURE.
 - ANY STOPPAGE, DIRT, OR FOREIGN MATTER SHALL BE REMOVED FROM THE LINES.
 - ALL CLEANING AND TESTING OF SEWER LINES SHALL TAKE PLACE AFTER ALL CONSTRUCTION WORK IS COMPLETED, UP TO BUT NOT INCLUDING THE FINAL PAVING.
- TESTING – MANDEREL TEST OF PVC PIPE:
 - FOLLOWING THE PLACEMENT AND DENSIFICATION OF BACKFILL AND PRIOR TO THE PLACING OF PERMANENT PAVEMENT, ALL MAIN PIPE SHALL BE CLEANED AND THEN MANDERELLED TO MEASURE FOR OBSTRUCTIONS (DEFLECTIONS, JOINT OFFSETS, AND LATERAL PIPE INTRUSIONS).
 - A RIGID MANDEREL, WITH A CIRCULAR CROSS SECTION, CERTIFIED AS HAVING A DIAMETER CONFORMING TO CITY SPECIFICATIONS, SHALL BE PULLED THROUGH THE PIPE BY HAND. THE MINIMUM LENGTH OF THE CIRCULAR PORTION OF THE MANDEREL SHALL BE EQUAL TO THE NOMINAL DIAMETER OF THE PIPE. THE MANDEREL SHALL HAVE ODD NUMBER OF RIBS, NUMBERING NO LESS THAN 14, SPACED EVENLY AROUND THE MANDEREL.
 - PIPE NOT PASSING MANDEREL TEST SHALL BE REMOVED & REPLACED, TRENCH BACKFILLED AND PIPE SHALL BE RE-TESTED.
- TESTING – PRESSURE TEST, GRAVITY SEWER PIPE:
 - PRIOR TO FINAL APPROVAL ALL GRAVITY SEWER LINES SHALL BE TESTED FOR LEAKAGE BY STANDARD HYDROSTATIC OR LOW PRESSURE AIR TEST.
 - TESTING OF THE SEWER LINE SHALL BE CONDUCTED FROM MANHOLE TO MANHOLE IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN "UNI-BELL PVC PIPE ASSOCIATION'S PUBLICATION ENTITLED "UN-BE-8 RECOMMENDED PRACTICE FOR LOW-PRESSURE AIR TESTING OF INSTALLED SEWER PIPE" AND THE CITY STANDARDS.
 - IF PIPE DOES NOT MEET PRESSURE TEST, PIPE SHALL BE UNCOVERED AND THE DEFECTIVE JOINT OR PIPE REPLACED. SECTION OF PIPE SHALL BE RE-TESTED UNTIL PRESSURE TEST IS PASSED.
- TESTING – VIDEO INSPECTION OF PVC PIPE:
 - PRIOR TO FINAL ACCEPTANCE OF THE SEWER SYSTEM, ALL LINES SHALL BE INSPECTED WITH VIDEO EQUIPMENT DESIGNED FOR THIS PURPOSE AND APPROVED BY THE CITY ENGINEER. THE TELEVISION CAMERA SHALL HAVE THE CAPABILITY OF ROTATING 360 DEGREES, IN ORDER TO VIEW AND RECORD THE TOP AND SIDES OF THE PIPE AS REQUIRED. THE VIDEO INSPECTION SHALL BE WITNESSED BY THE CITY CONSTRUCTION INSPECTOR, WHO WILL ALSO INITIAL AND DATE THE "CHAIN OF CUSTODY" FORM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VIDEO INSPECTION. THE VIDEO INSPECTION SHALL BE IN COMPLIANCE WITH THE SPECIFICATIONS. A RECORDED VIDEO CASSETTE, COMPLETED "CHAIN OF CUSTODY" FORM AND A WRITTEN LOG (WHICH INCLUDES STATIONING , BASED ON THE STANDING APPROVED PLANS OF ALL CONNECTED LATERALS) OF THE INSPECTION SHALL BE PROVIDED FOR VIEWING AND SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ACCEPTANCE. AFTER ACCEPTANCE OF THE SYSTEM, THE VIDEO CASSETTE, FORMS AND LOSS SHALL BECOME THE PROPERTY OF THE CITY.
- ALL MANHOLE COVERS AND VALVE



**Know what's below.
Call before you dig.**

[illegible]

7/1/2024
DATE

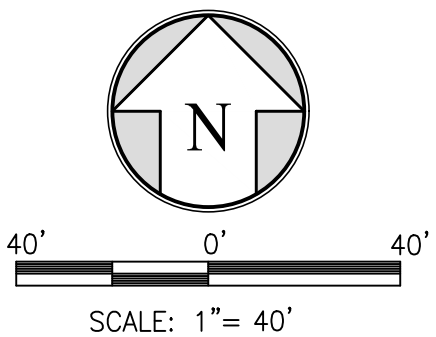
Andrew S. Webster, J.D.
ANDREW S. WEBSTER, J.D.
PROJECT SURVEYOR



CITY OF SHAFTER
336 PACIFIC AVENUE
SHAFTER, CA 93263
(661) 746-5004

**NORTH SHAFTER COMMUNITY PARK IMPROVEMENTS
TOPOGRAPHIC SURVEY**

PROJECT NO.: 230037
DRAWN BY: DF/RG
QA/QC BY: JD
SCALE: AS SHOWN
SHEET NO.: C-20



MATCHLINE
SEE SHEET C-2.0

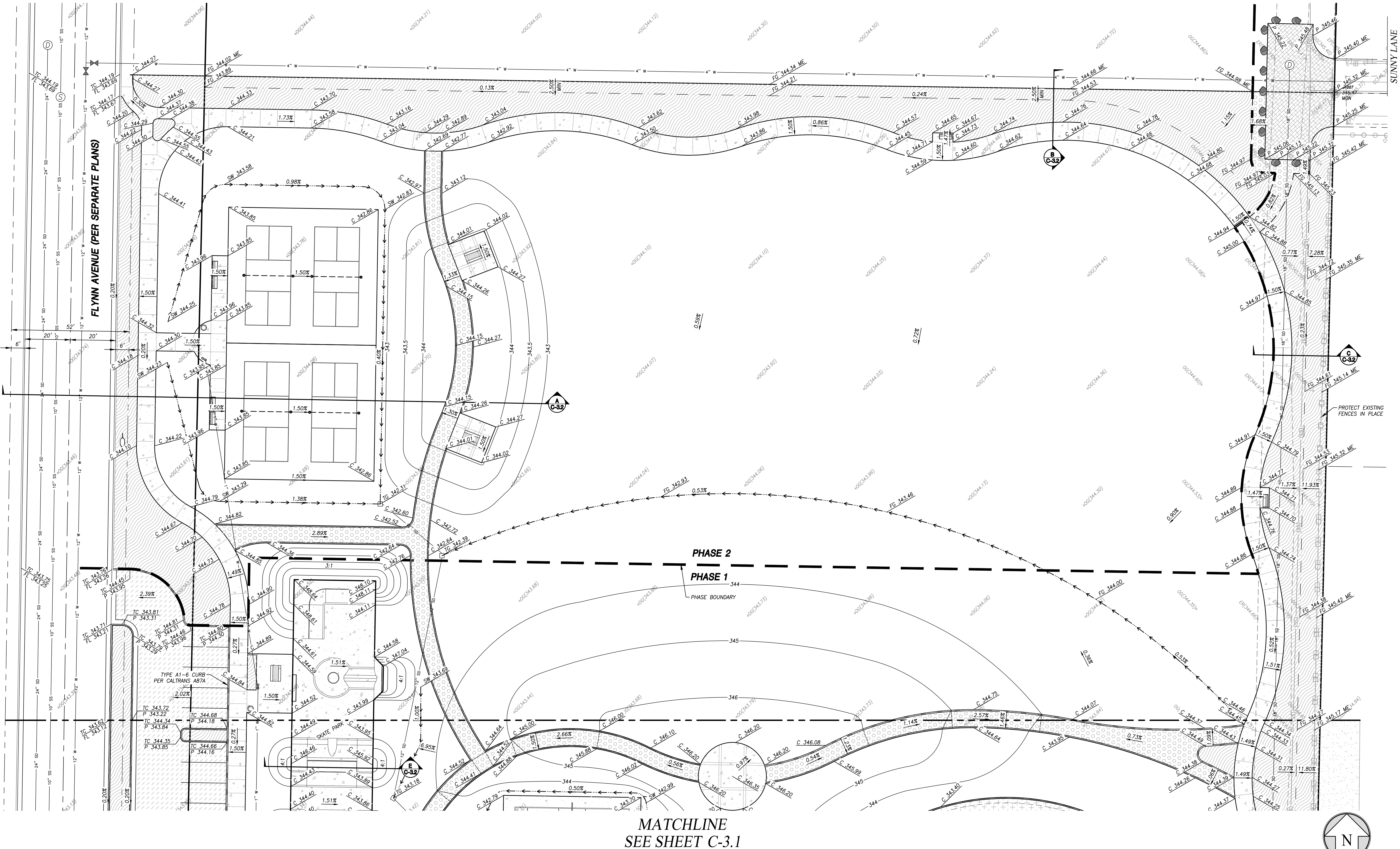
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DRAWN BY: DF/RG
CHECKED BY: DA/QC
DATE: 10/10/10
SCALE: AS SHOWN
SHEET NO.: C-2.1

HATCH LEGEND

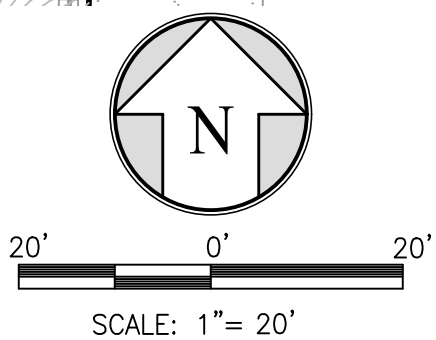
- CONCRETE PER LANDSCAPE PLANS
- DG PER LANDSCAPE PLANS
- ENGINEERED WOOD FIBER PER LANDSCAPE PLANS
- PAVEMENT PARKING LOT
2" AC, 5" CLASS II AB, 12" COMPACTED SUBGRADE 90% RELATIVE COMPACTION
- PAVEMENT TURN AROUND
2" AC, 5" CLASS II AB, 12" COMPACTED SUBGRADE 90% RELATIVE COMPACTION
- PLANTING AREA MULCH PER LANDSCAPE PLANS



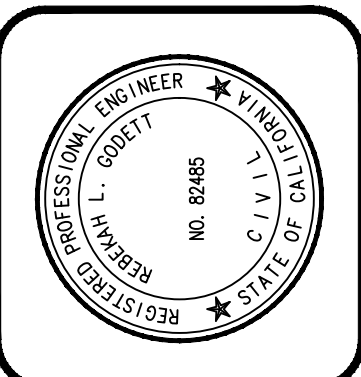
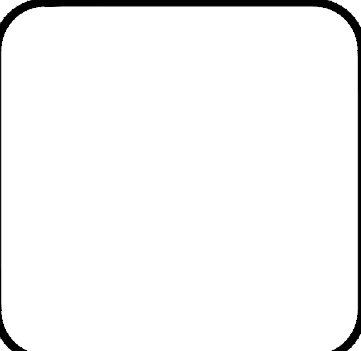
Know what's below.
Call before you dig.



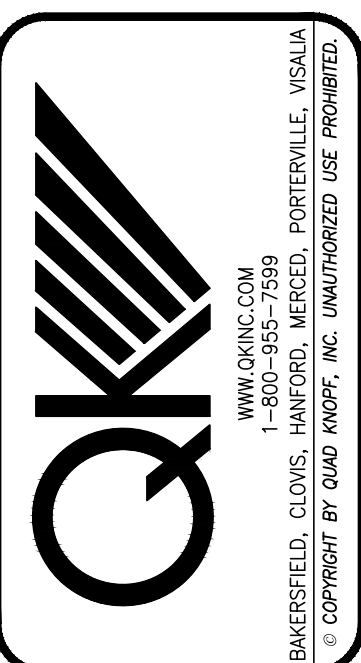
MATCHLINE
SEE SHEET C-3.1



REVISIONS	DATE	BY	DESCRIPTION



DATE	REBECCA L. GOFFETT PROJECT ENGINEER	R.C.E. 82485
------	--	--------------



CITY OF SHAFTER 334 PACIFIC AVENUE SHAFTER, CA 93283 (861) 746-5004	NORTH SHAFTER COMMUNITY PARK IMPROVEMENTS GRADING PLAN
--	---

PROJECT NO.: 230037
DRAWN BY: DF/RG
QA/QC BY: JD
SCALE: AS SHOWN
SHEET NO.: C-30

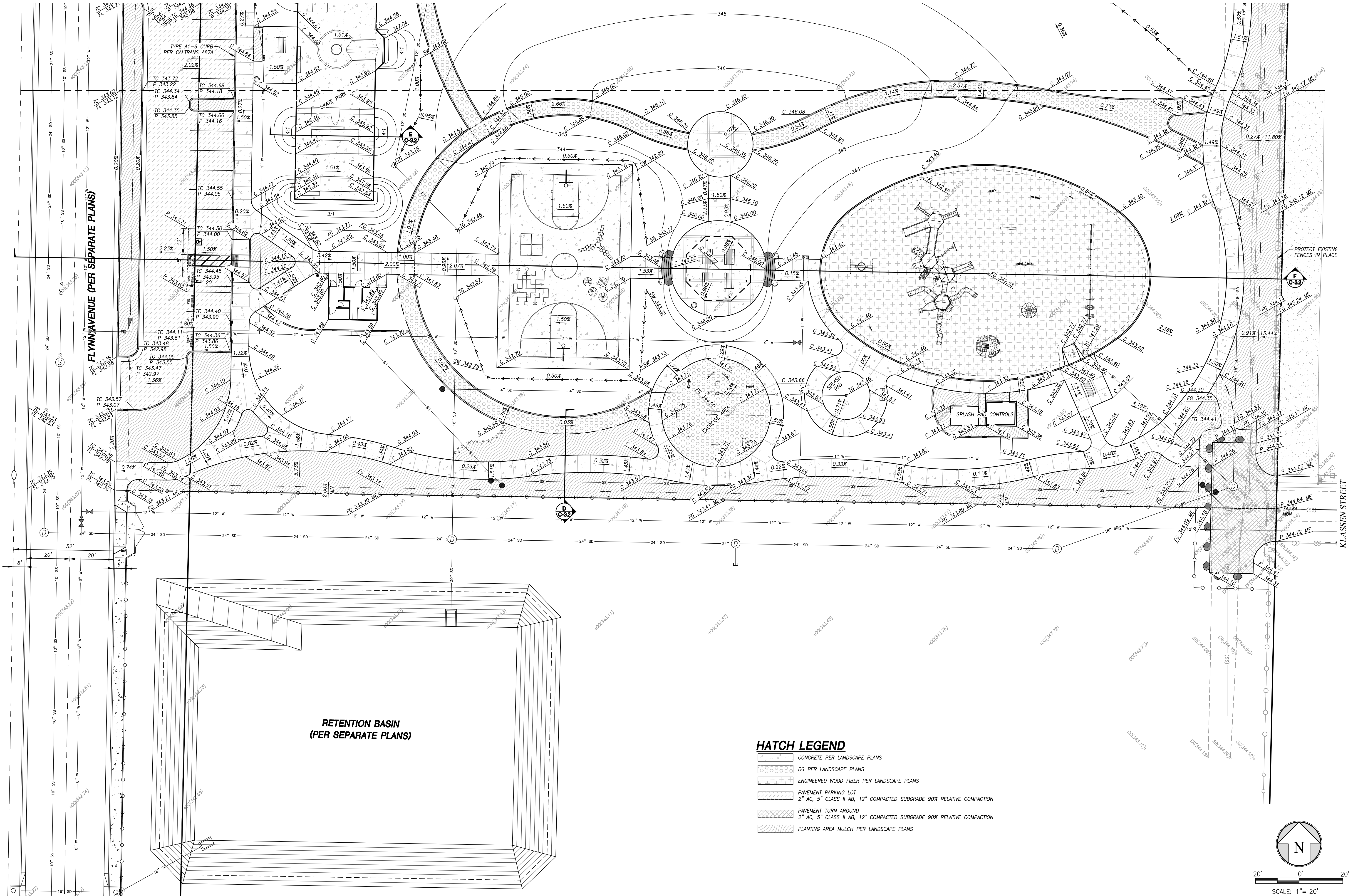
PROGRESS SET - NOT FOR CONSTRUCTION

L:\PROJECTS\2023\230037\ACAD\IMPROVEMENTS\230037-CP.DWG 7/1/2024 1:56 PM

MATCHLINE 1
SEE SHEET C-3.1



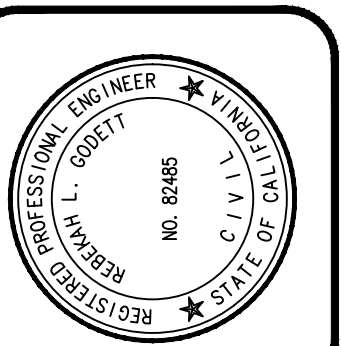
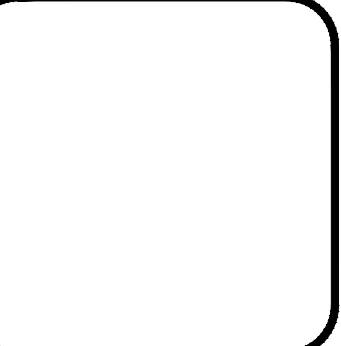
Know what's below.
Call before you dig.



HATCH LEGEND

- CONCRETE PER LANDSCAPE PLANS
- DG PER LANDSCAPE PLANS
- ENGINEERED WOOD FIBER PER LANDSCAPE PLANS
- PAVEMENT PARKING LOT
2" AC, 5" CLASS II AB, 12" COMPACTED SUBGRADE 90% RELATIVE COMPACTION
- PAVEMENT TURN AROUND
2" AC, 5" CLASS II AB, 12" COMPACTED SUBGRADE 90% RELATIVE COMPACTION
- PLANTING AREA MULCH PER LANDSCAPE PLANS

REVISIONS	DATE	BY	DESCRIPTION



DATE	REBECCA L. GOFFETT	R.C.E. 81485
	PROJECT ENGINEER	

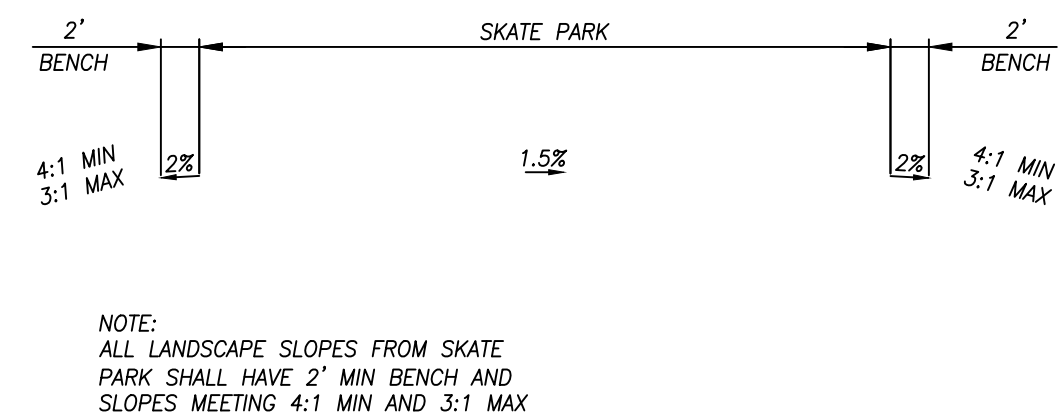
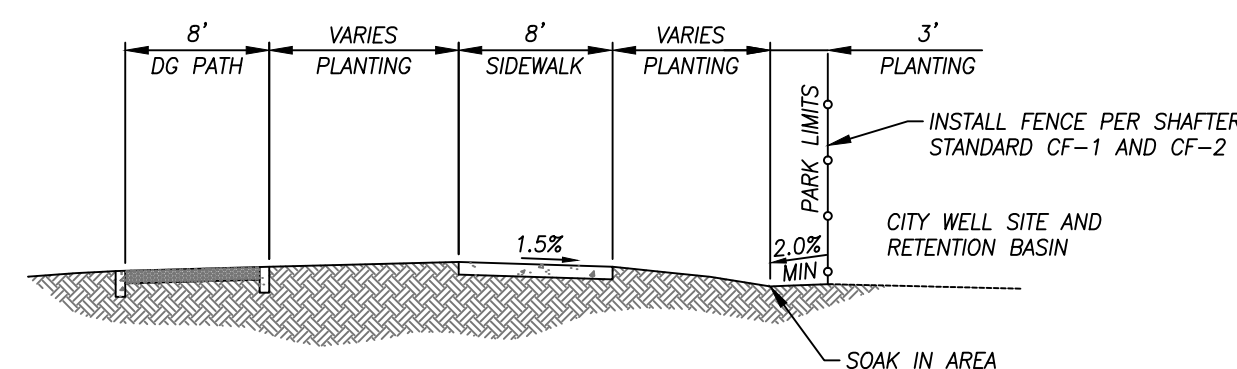
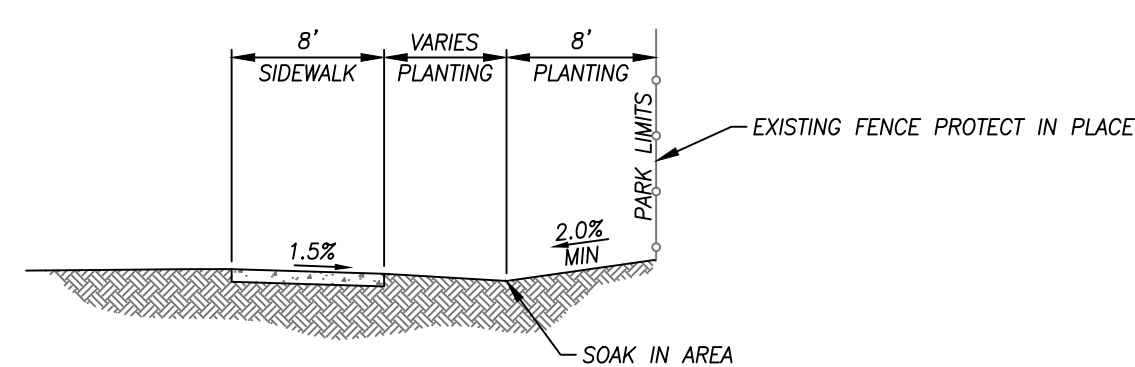


CITY OF SHAFTER	PROJECT NO.: 230037
335 PACIFIC AVENUE	DRAWN BY:
SHAFER, CA 93283	DF/RG
(661) 746-5004	QA/QC BY:
	JD
	SCALE:
	AS SHOWN
	SHEET NO.: C-31

PROGRESS SET - NOT FOR CONSTRUCTION



NTS



(B) GRADING SECTION B

NTS

C GRADING SECTION C

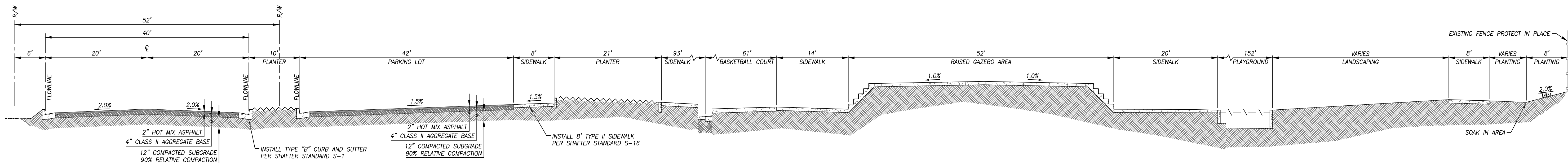
NTS

D GRADING SECTION D

NTS

E GRADING SECTION E

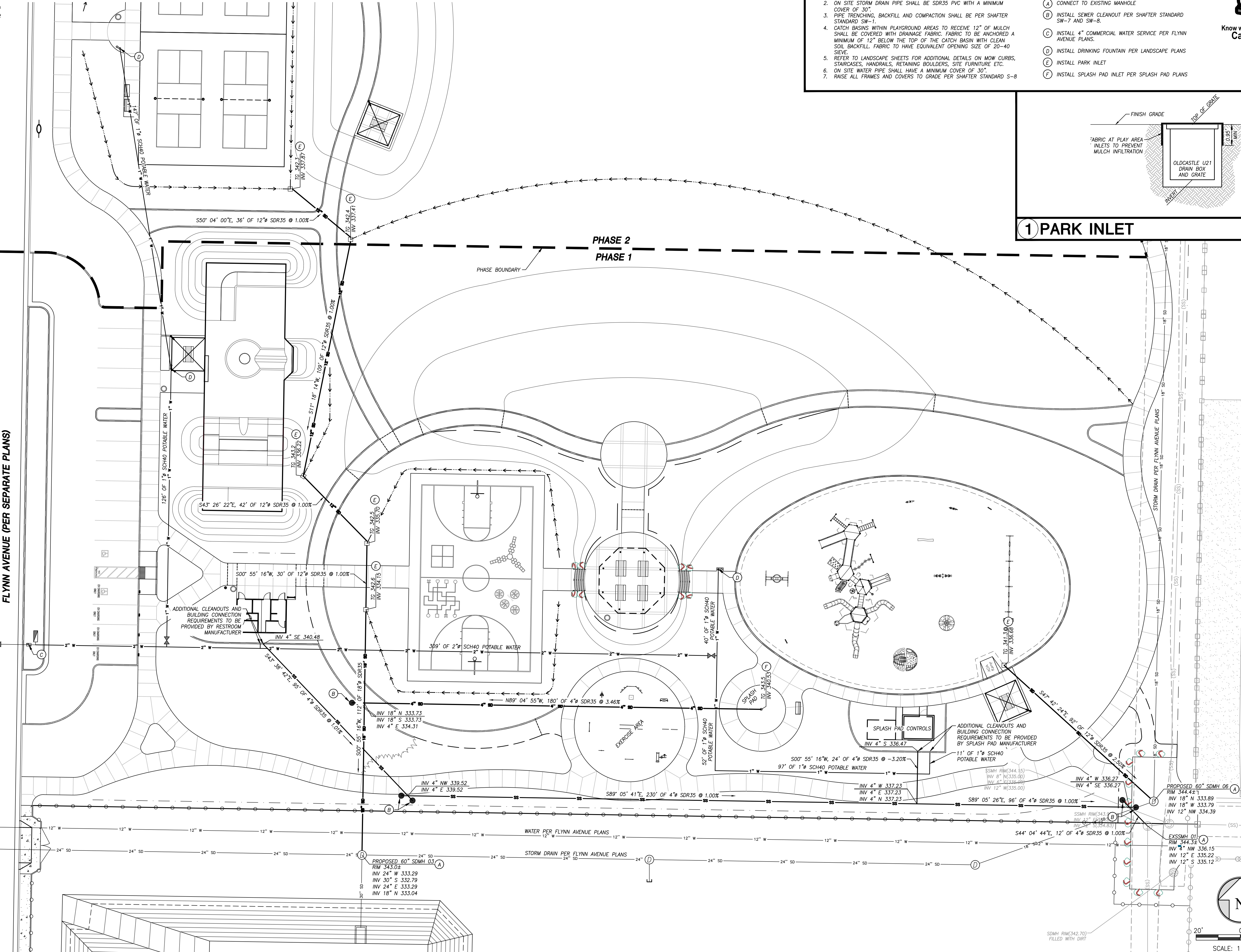
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(F) GRADING SECTION F

NTS

PROJECT NO.: 230037
DRAWN BY: DF/RG
QA/QC BY: ID
SCALE: AS SHOWN
SHEET NO.: C-3.2



GENERAL NOTES:

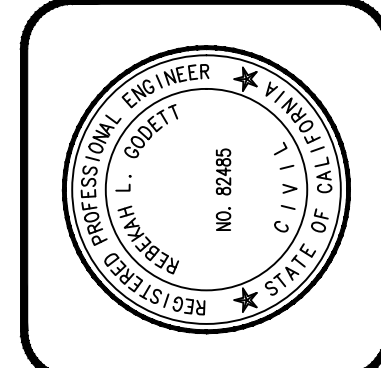
1. PARK INLET GRATES SHALL BE ADA COMPLIANT.
2. ON SITE STORM DRAIN PIPE SHALL BE SDR35 PVC WITH A MINIMUM COVER OF 30".
3. PIPE TRENCHING, BACKFILL AND COMPACTION SHALL BE PER SHAFTER STANDARD SW-1.
4. CATCH BASINS WITHIN PLAYGROUND AREAS TO RECEIVE 12" OF MULCH SHALL BE COVERED WITH DRAINAGE FABRIC. FABRIC TO BE ANCHORED A MINIMUM OF 12" BELOW THE TOP OF THE CATCH BASIN WITH CLEAN SOIL. BACKFILL FABRIC TO HAVE EQUIVALENT OPENING SIZE OF 20-40 SEVER.
5. REFER TO LANDSCAPE SHEETS FOR ADDITIONAL DETAILS ON MOW CURBS, STAIRCASES, HANDRAILS, RETAINING BOULDERS, SITE FURNITURE ETC.
6. ON SITE WATER PIPE SHALL HAVE A MINIMUM COVER OF 30".
7. RAISE ALL FRAMES AND COVERS TO GRADE PER SHAFTER STANDARD S-8

CONSTRUCTION NOTES:

- (A) CONNECT TO EXISTING MANHOLE
- (B) INSTALL SEWER CLEANSOUT PER SHAFER STANDARD SW-1
- (C) INSTALL 4" COMMERCIAL WATER SERVICE PER FLYNN AVENUE PLANS.
- (D) INSTALL DRINKING FOUNTAIN PER LANDSCAPE PLANS
- (E) INSTALL PARK INLET
- (F) INSTALL SPLASH PAD INLET PER SPLASH PAD PLANS



1 PARK INLET

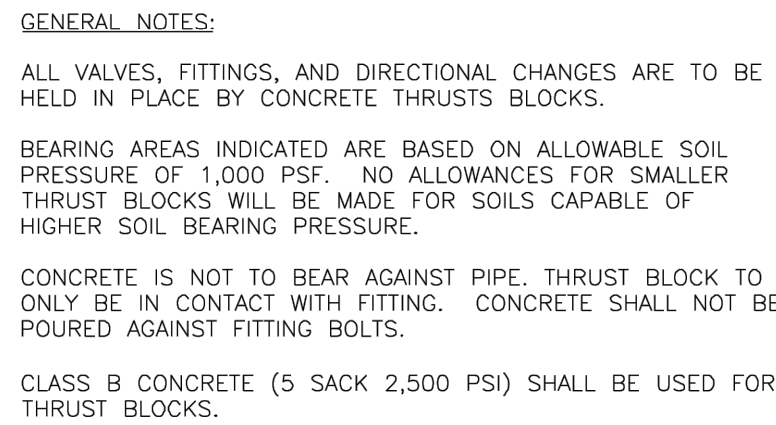
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7/1/2024		R.C.E. 82485
DATE	REMARKS / COMMENTS	
	PROJECT ENGINEER	



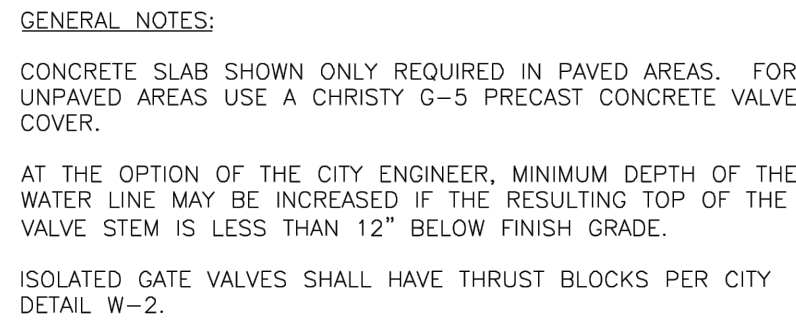
CITY OF SHAFTER
1336 PACIFIC AVENUE
SHAFTER, CA 93263
(661) 746-5004

PROJECT NO.: 230037
DRAWN BY: DF/RG
QA/QC BY: JD
SCALE: AS SHOWN
SHEET NO.: C-4.0



THRUST BLOCK SCHEDULE				
BEARING AREA IN SQUARE FEET				
PIPE SIZE	TEE OR PLUG	90° ELL	45° ELL	22° ELL
4"	2	2	2	1
6"	3	4	2	2
8"	5	7	4	2
10"	8	11	6	3
12"	11	16	9	4

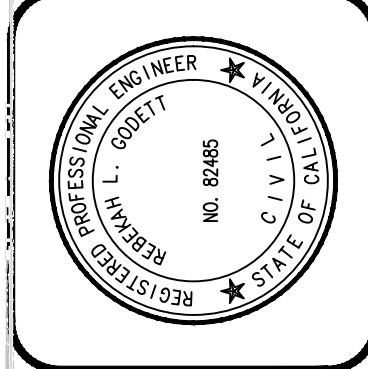
APPROVED BY THE CITY COUNCIL:		THRUST BLOCKS	
JULY 21, 2005		STANDARD DRAWING	
DATE		DRAWN BY:	SCALE:
		KLH	NTS
APPROVED:		CHECKED BY:	UPDATED:
<u>ORIGINAL SIGNED & ON FILE</u>		KLH	6/2005
CITY ENGINEER		W-2	

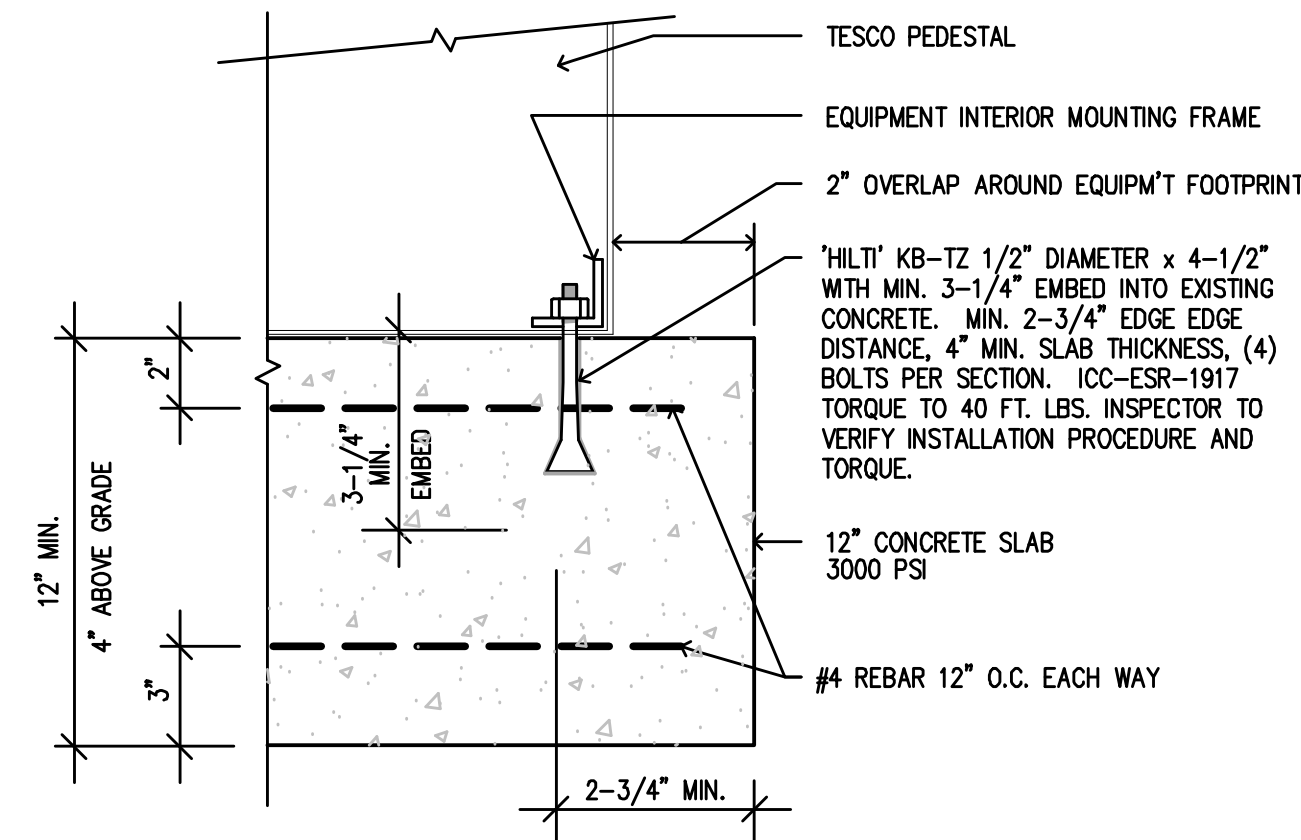


 SUBDIVISION & ENGINEERING DESIGN MANUAL DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	APPROVED BY THE CITY COUNCIL: <u>JULY 21, 2005</u> DATE _____		WATER VALVE COVER & SLEEVE STANDARD DRAWING		
	APPROVED: <u>ORIGINAL SIGNED & ON FILE</u> CITY ENGINEER _____	DRAWN BY: K.L.H. CHECKED BY: K.L.H.	SCALE: NTS UPDATED: 6/2005	W-3	
	(This area is intentionally left blank for additional notes or signatures.)				



PROJECT NO.: 230037
DRAWN BY: DF/RG
QA/QC BY: JD
SCALE: NO SCALE
SHEET NO. C-5.0-810

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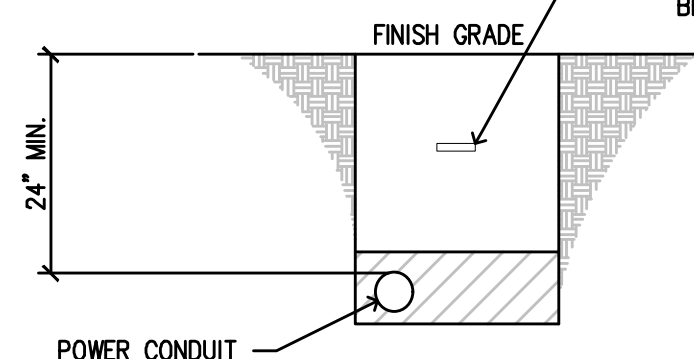


POWER PEDESTAL BASE DETAIL

NOT TO SCALE

1

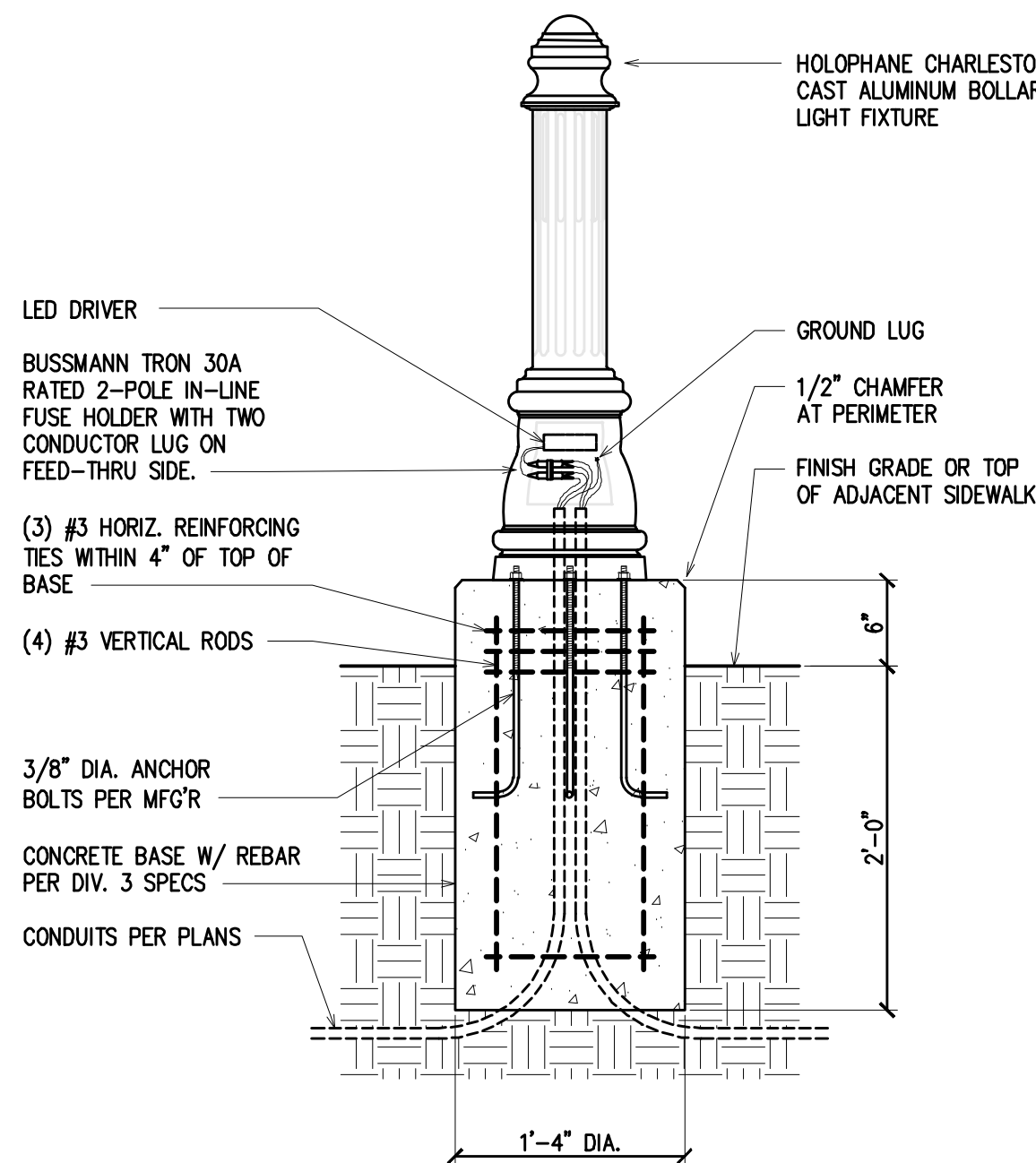
NOTE: CONDUITS SHALL NOT BE INSTALLED UNDER OR THROUGH PLAY AREAS OR STRUCTURES. FOR THE MOST PART, CONDUITS SHALL BE RUN PARALLEL TO AND WITHIN 10 FEET OF THE SIDEWALK AREAS OR ACROSS OPEN AREAS (WITHOUT STRUCTURES).



TRENCH SECTION

NOT TO SCALE

2



TYPE 'B' BOLLARD LIGHT FIXTURE

NOT TO SCALE

3

GENERAL ELECTRICAL NOTES

1. ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE:

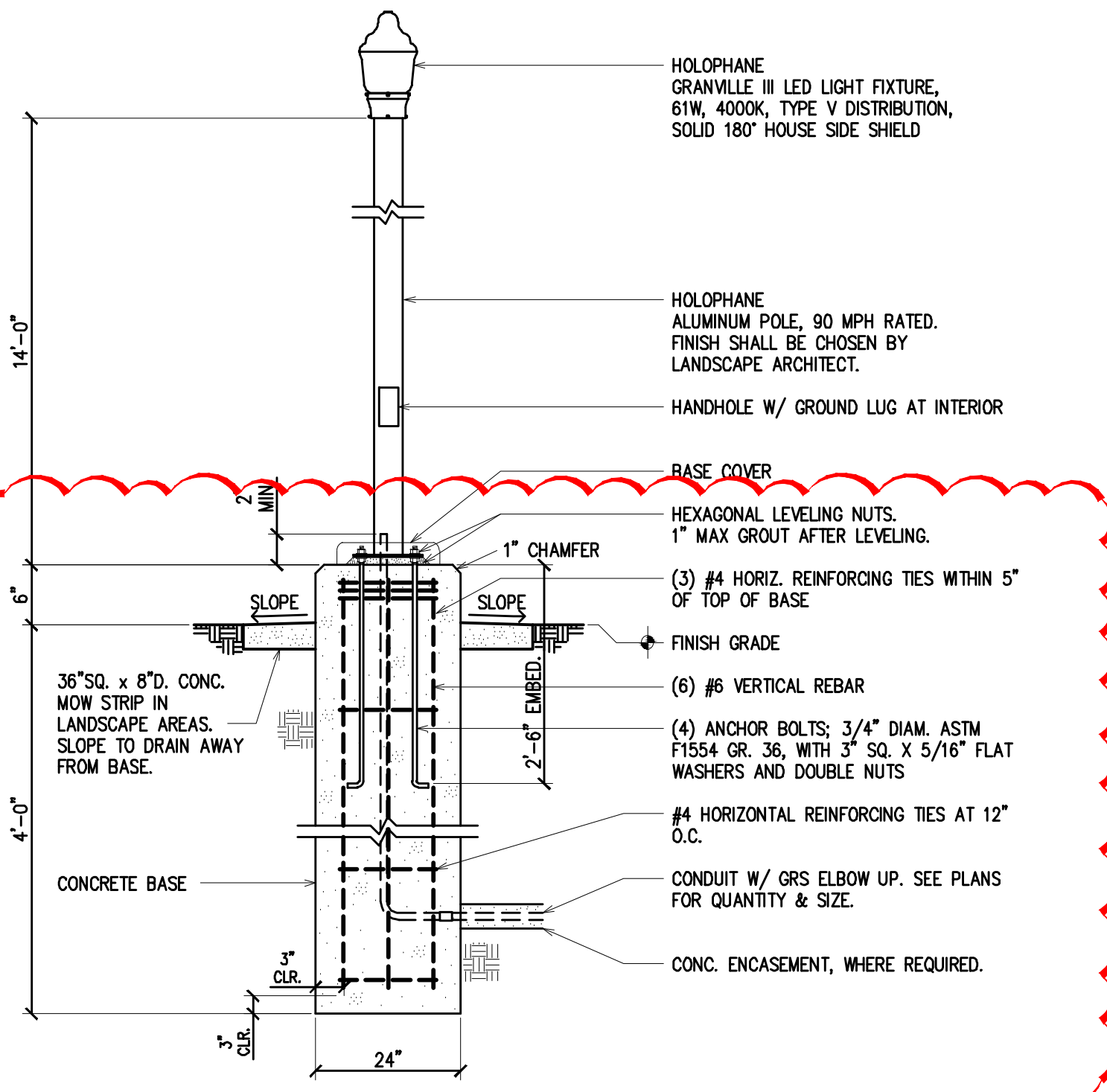
CALIFORNIA BUILDING CODE
CALIFORNIA ELECTRICAL CODE
NON RESIDENTIAL CEC ENERGY STANDARDS

2022
2022
2022



NOTHING IN THE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

- IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER EVERYTHING REQUIRED TO PROVIDE FOR COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.
- THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.
- THE PLANS AND SPECIFICATIONS ARE INTENDED TO BE USED AS CONSTRUCTION GUIDELINES AND ARE NOT THE TOTAL INSTRUMENT OF CONTRACT DOCUMENTS. IT IS NOT THE INTENTION OF ANY CONSTRUCTION PLANS TO DIVIDE WORK AMONG DIFFERENT TRADES. VERIFY THE SCOPE OF WORK WITH THE ARCHITECT AND THE GENERAL CONTRACTOR.
- ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APPURTENANCES NECESSARY FOR A COMPLETE & OPERATING SYSTEM.
- ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA ETC.) PER CEC 110.2.
- PROVIDE LABELING AND DIRECTORIES FOR ALL SWITCHBOARDS AND PANELBOARDS PER CEC 408.4.
- ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING CAPABLE OF WITHSTANDING THE AVAILABLE SHORT CIRCUIT CURRENT PER CEC 110.9.
- PROVIDE MINIMUM 30" WIDE x 78" HIGH x 36" DEEP WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 150 VOLTS OR LESS TO GROUND PER CEC 110.26.
- PROVIDE MINIMUM 30" WIDE x 78" HIGH x 42" DEEP WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED GREATER THAN 150 VOLTS AND LESS THAN 600 VOLTS TO GROUND PER CEC 110.26.
- ALL WALL AND SURFACE MOUNTED FIXTURES PROTRUDING IN THE PATH OF TRAVEL (POT) OR COMMON PEDESTRIAN WAYS SHALL COMPLY WITH CBC 11B-307.2, OR SHALL BE MOUNTED LESS THAN 27" AFF OR GREATER THAN 80" AFF, OR SHALL BE PROVIDED WITH A BARRIER CONFORMING TO CBC 11B-307.4.
- WIRING FOR 120/240V SYSTEMS SHALL BE MIN. #12 AWG THHN/THWN-2 COPPER UNLESS OTHERWISE APPROVED BY THE CITY.
- FEEDERS SIZE #4 AND LARGER SHALL BE MEGGER TESTED. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.
- ALL CONDUIT RISERS TRANSITIONING THROUGH GRADE SHALL BE GALVANIZED RIGID STEEL. ALL EXPOSED CONDUITS SHALL BE GALVANIZED RIGID STEEL. PVC SHALL NOT BE INSTALLED ANYWHERE ABOVE GRADE.
- COLORS/FINISHES/MATERIALS FOR ALL ELECTRICAL DEVICES, PLATES, LIGHT FIXTURES, ETC. SHALL BE CHOSEN BY THE ARCHITECT.
- CALL USA UNDERGROUND ALERT AND VERIFY WITH CIVIL ENGINEER THE DESIRED ROUTING AND LOCATIONS OF UNDERGROUND CONDUITS AND STRUCTURES PRIOR TO TRENCHING.
- ALL WORK RELATED TO THE POWER UTILITY SERVICE SHALL BE PER THE SERVING ELECTRICAL UTILITY COMPANY'S RULES. CONTRACTOR TO COORDINATE WITH UTILITY AND ARRANGE ALL POWER SERVICE WORK.
- THE CONTRACTOR SHALL REPAIR ANY DEFECTS DUE TO FAULTY MATERIALS OR WORKMANSHIP AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THEREFROM WHICH APPEARS WITHIN A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF WORK.
- VERIFY EXACT LOCATION OF PEDESTALS AND SECONDARY POWER BOXES WITH THE UTILITY COMPANY PRIOR TO INSTALLATION.
- PROVIDE THE OWNER WITH AS-BUILT DRAWINGS SHOWING CONDUIT LOCATION WITHIN 6" OF THE ACTUAL LOCATIONS.
- ALL ELECTRICAL RACEWAYS AND EQUIPMENT SHALL RECEIVE AN EQUIPMENT GROUNDING CONDUCTOR PER CEC.
- UNLESS NOTED OTHERWISE, ALL SITE CONDUCTORS SHALL BE A MINIMUM OF #10 CU.



TYPE 'P' POLE LIGHT FIXTURE

NOT TO SCALE

4

ELECTRICAL SYMBOLS

SYMBOL	NAME	DESCRIPTION
	UTILITY TRANSFORMER	REFER TO S.C.E. RULE 16 DOCUMENTS
	UTILITY POLE W/ TRANSFORMER	REFER TO S.C.E. RULE 16 DOCUMENTS
	METERED ELECTRICAL SERVICE PEDESTAL	REFER TO POWER SINGLE LINE DIAGRAM AND DETAIL 1/E-1.1
	IRRIGATION CONTROLLER	REFER TO LANDSCAPE DRAWINGS.
	STREET LIGHT	UNDER SEPARATE CONTRACT
	IN-GRADE WELL LIGHT	
	FLOOD LIGHT	
	WALL LIGHT	
	BOLLARD LIGHT	
	POST TOP POLE LIGHT	
	LED REMOTE DRIVER IN PULL BOX	
	DUPLEX RECEPTACLE, GFCI TYPE, MOUNTED IN WP CAST ALLOY PEDESTAL W/ IN-USE COVER	REFER TO RECEPTACLE PEDESTAL DETAIL
	ELECTRIC MOTOR	
	DISCONNECT, WP, FUSIBLE	
	DEDICATED CAMERA POLE W/ CONC. BASE	HOLOPHANE #NY-A-14-L4E-17-P01-ABC-[COLOR] SEE DETAIL 4/E-1.1.
	PULL BOX W/ BOLT-DOWN LID	#3-1/2 SIZE, U.O.N.
	EXISTING CONDUIT/WIRING/EQUIPMENT TO BE REMOVED	
	EXISTING CONDUIT/WIRING TO REMAIN	
	EXISTING EQUIPMENT TO REMAIN	
	WIRING BELOW GRADE	1-1/2" MIN. SEE DETAIL 2/E-1.1 AND GENERAL ELECTRICAL NOTES
	CONDUIT RISER	ALL CONDUIT EMERGING FROM BELOW GRADE SHALL BE GRS. WRAPPED 1/2-LAP WITH 40 MIL PVC TAPE FOR TOTAL 80 MIL THICKNESS
	FLEXIBLE CONDUIT	
	CONDUIT STUB AND CAP	
	HASH MARKS DENOTES QTY. OF CONDUCTORS	
	HOME RUN (TO PANEL "A", CIRCUIT "15")	
	METER	
	METER W/ CURRENT TRANSFORMERS	
	THERMAL MAGNETIC CIRCUIT BREAKER, SIZE AS NOTED	
	CIRCUIT BREAKER, ADJUSTABLE TRIP & FRAME SIZE NOTED, 30 UON	
	NEUTRAL LUG	
	GROUND LUG	
	LIGHTING CONTACTOR, 2-POLE, 20A, 277V	
	TIMER, 10A, 240V	1HR TIMER, RS PRO #8966829 OR EQUAL
	ASTRONOMICAL TIME CLOCK, 2-CKT	
	PHOTOCELL CONNECT TO ATC PHOTOCELL INPUT.	
	DIMMER CONTROL, TRIAC/ELV-RP. VERIFY WITH MFG'R.	
	BY-PASS SWITCH FOR TESTING	
	SPORT LIGHTING REQUEST PUSH BUTTON	POLARA ENGINEERING #RBOSP-011-B-2H

ABBREVIATIONS

(E)	EXISTING
WP	WEATHER-PROOF
UON	UNLESS OTHERWISE NOTED
GFCI	GROUND FAULT CIRCUIT INTERRUPTER

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL	WATTS	VOLTS	MOUNTING	NOTES
(B)	HOLOPHANE	CHBOLED CA P30 40K MVOLT NIOS AWS BZ AO ABG 20KV AB-31-4 RFD247090 W/4 ANCHOR BOLTS	24	UNV	BOLLARD	SEE DETAIL 3/E-1.1
(C)	LUMINAIRE	VPF4 4FT MIN10 25W 40K MVOLT OP [COLOR]	25	UNV	SURFACE	MOUNT TO CANOPY FRAME
(P)	HOLOPHANE	GVD3 P30 40K MVOLT MS GL3 BZ GVDHSS18 HLA 12 S5J 100 C03 BZ ABG ASSY24030	61	240	POLE	SEE DETAIL 4/E-1.1
(S1)	LITHONIA KW	DSX1 LED P8 40K 1FTM MVOLT HS [COLOR] RSP25-5.0-11-[COLOR]-DM10-BC W/ FESTOON FOR P.B.	207	MVOLT	POLE	BASKETBALL, SEE DETAIL 3/E-1.2 25' ROUND STRAIGHT STEEL POLE
(S2)	LITHONIA	DSXF3 LED 6 P1 40K FL MVOLT IS UBV [COLOR] BS28-120-1D20-[COLOR] RTS-25-7-08-120-CPL1/15A [COLOR] W/ 2-3/8" TENON AND 1" COUPLING AT 15 FT. FOR SECURITY CAMERA 25' ROUND TAPERED STEEL POLE	111	MVOLT	POLE	SKATE PARK, SEE DETAIL 4/E-1.2 BULLHORN
(S3)	LSI KW	ZNL SOL CT UNV 40 [COLOR] BKA UMB CLR RSP25-5.0-11-[COLOR]-DM10-BC W/ FESTOON FOR P.B.	375	MVOLT	POLE	PICKLEBALL, SEE DETAIL 3/E1.2 25' ROUND STRAIGHT STEEL POLE
(S4)	LITHONIA KW	DSX1 LED P8 40K T3LG MVOLT RSP EGSR [COLOR] RSP25-5.0-11-[COLOR]-DM10-BC	216	MVOLT	POLE	PARKING LOT, SEE DETAIL 3/E-1.2 INSTALL GLARE SHIELD AT FRONT 25' ROUND STRAIGHT STEEL POLE

NOTE: FIXTURE STYLES AND COLORS SHALL BE CHOSEN BY THE LANDSCAPE ARCHITECT. DO NOT ORDER FIXTURES WITHOUT WRITTEN CONSENT.

UTILITY ELECTRICAL NOTES

- MAINTAIN CLEARANCES FROM OVERHEAD POWER, TELEPHONE AND/OR FIBER, AND UNDERGROUND POWER, TELEPHONE, FIBER, WATER, GAS, ETC. LINES AS PER UTILITY COMPANY'S REQUIREMENTS.
- TRENCH AND METER PEDESTAL LOCATIONS ARE SUBJECT TO UTILITY COMPANY APPROVAL.
- ELECTRICAL CONDUITS PASSING THROUGH, OR IN COMMON, WITH UTILITY TRENCHES REQUIRE APPROVAL FROM THE UTILITY COMPANY PRIOR TO INSTALLATION.
- CONTRACTOR SHALL VERIFY SITE CONDITIONS PRIOR TO BID, AND SHALL COORDINATE ALL WORK WITH UTILITY COMPANIES. NOTIFY ARCHITECT/ENGINEER PRIOR TO PURCHASING EQUIPMENT IN CASE OF CONFLICT.
- NO ALLOWANCE WILL BE MADE FOR FAILURE TO COMPLY W/ THESE PROCEDURES.

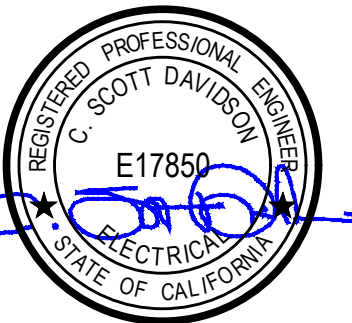
APPROVED:

RAMI PUDIPEDDI
CITY ENGINEER



356 Pollasky Ave., Suite 200
Clovis, CA 93612
559.323.4995 tel
www.hardin-davidson.com

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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

ELECTRICAL
SYMBOLS, NOTES,
AND DETAILS

Revisions	By
03/16/24 BACKCHECK	HDE
04/15/24 POLE BASES	HDE

Drawn By: HDE TEAM
Checked By: CSD
Date Issued: 6-21-2023
Project No.: 22-036
Scale: AS NOTED

Sheet

E1.1

Of

Sheets

CKT. NO.	DESCRIPTION	BREAKER		VA	Φ	VA	BREAKER		DESCRIPTION	CKT. NO.
		AMPS	POLE(S)				AMPS	POLE(S)		
1	LTS - INTERIOR	20	1	200	A	778	20	2	LTS - SITE PARKING, PATHWAY, SHELTER*	2
3	LTS - EXTERIOR	20	1	100	B	778	--	--		4
5	SPACE	20	1		A	874	20	2	LTS - SKATE PARK, BASKETBALL*	6
7	SPACE	20	1		B	874	--	--		8
9	SPACE	20	1		A	3000	20	2	LTS - PICKLEBALL*	10
11	SPACE	20	1		B	3000	--	--		12
13	SPACE	20	1		A	100	20	1	LIGHT CONTROL PANEL 'LCP'	14
15	SPACE	20	1		B	360	20	1	REC - MDF**	16
17	SPACE	20	1		A					18
19	SPACE	20	1		B					20
21	SPACE	20	1		A					22
23	SPACE	20	1		B					24
LOAD SUMMARY:		Φ A	4951 VA			BUSING:		100A		
		Φ B	5111 VA			MAIN:		60A M.C.B.		
						SCCR:		10,000 AMPS		
CONNECTED LOAD:			10.1 kVA			TYPE:		LOAD CENTER (BY RESTROOM MANUF.)		
MAX CURRENT:			43 A			NOTE:		* ROUTE CIRCUIT VIA LCP		
								** PROVIDE QUAD RECEPTACLE AT MDF		
								* VERIFY EXISTING LOADS AND COORDINATE CIRCUITS		

CKT. NO.	DESCRIPTION	BREAKER		VA	Φ	VA	BREAKER		DESCRIPTION	CKT. NO.
		AMPS	POLE(S)				AMPS	POLE(S)		
1	P1.0 FILTRATION PUMP	30	2	1920 A		600	15	1	WQ1.0 CHEMICAL CONTROLLER	2
3	--	--	--	1920 B		204	20	1	WQ1.1 ACD DELIVERY	4
5	P1.1 DISPLAY PUMP	20	2	1344 A		204	20	1	WQ1.2 CHLORINE DELIVERY	6
7	--	--	--	1344 B		600	20	1	CP1.0 CONTROL PANEL	8
9	WQ3.0 UV SYSTEM	30	2	2400 A		600	20	1	CP2.0 WATER PLAY CONTROLLER	10
11	--	--	--	2400 B		0	20	1	SPARE	12
13	SPACE	20	1		A	0	20	1	SPARE	14
15	SPACE	20	1		B	0	20	1	SPARE	16
17	SPACE	20	1			0	20	1	SPARE	18
19	SPACE	20	1		B	360	20	1	REC - EQUIPMENT ROOM	20
21	SPACE	20	1		A	0	20	1	SPARE	22
23	SPACE	20	1		B	64	20	1	LTS - EXTERIOR (106 S.F. * 0.4W)	24
LOAD SUMMARY:				Φ A	4824 VA	BUSING: 100A				
				Φ B	5124 VA	MAIN: 60A M.C.B.				
						SCCR: 10,000 AMPS				
CONNECTED LOAD:					9.9 kVA	TYPE: PANELBOARD				
MAX CURRENT:					43 A	NOTE:				

No.	Feeder Origin	Feeder Destination	Potential at Origin (P _i) (Volts)	System	Design Current (Amps)	Raceway Type	Sets of Cond.	Conductor Trade Size	Conductor Cross-Sectional Area (CM)	Conductor Material	DC Conductor Material Constant (K)	Q	Distance (ft)	Voltage Drop (VD) (Volts)	Potential at Load (P _L) (Volts)	Percent Voltage Drop (%VD)
1	PP1	P1	240.00	AC 1-Phase	60	PVC	1	4	41740	CU	12.9	1.0065	20	0.75	239.25	0.31
2	PP1	P2	240.00	AC 1-Phase	60	PVC	1	1	83690	CU	12.9	0.9740	350	6.31	233.69	2.63
3	PP1	BOOSTER PUMP	240.00	AC 3-Phase	17	PVC	1	10	10380	CU	12.9	0.9677	20	0.71	239.29	0.30



1

System Voltage	240 [V]
Circuit Load (I)	1.708 [A]
Total Length (L)	1120 [ft]
Copper Constant (K)	12.9
Wire Diameter (CM)	10384 [CMIL]
$VD = \Sigma(I^2 * L * K / CM)$	2.9065 [V]
10% Safety Factor =	0.2907 [V]

Total Voltage Drop	3.1972 [V] = 1.3 [%]
---------------------------	-----------------------------

Device	Load [A]	Leg Dist. [ft]	VD [V]
Bollard	0.1	110	0.4669
Bollard	0.1	80	0.3197
Bollard	0.1	85	0.3185
Bollard	0.1	50	0.1750
Bollard	0.1	80	0.2601
Bollard	0.1	85	0.2552
Bollard	0.1	65	0.1790
Pole Light	0.25	85	0.1879
Pole Light	0.25	75	0.1879
Bollard	0.1	80	0.1499
Bollard	0.1	85	0.1382
Bollard	0.1	70	0.0964
Bollard	0.1	90	0.1016
Bollard	0.1	80	0.0704

System Voltage	240 [V]
Circuit Load (I)	1.654 [A]
Total Length (L)	1320 [ft]
Copper Constant (K)	12.9
Wire Diameter (CM)	10384 [CMIL]
$VD = \Sigma(I^2 * L * K / CM)$	3.1653 [V]
10% Safety Factor =	0.3165 [V]

Total Voltage Drop	3.4818 [V] = 1.5 [%]
--------------------	----------------------

Device	Load [A]	Leg Dist. [ft]	VD [V]
Bollard	0.1	235	0.9658
Bollard	0.1	80	0.3089
Bollard	0.1	75	0.2710
Bollard	0.1	75	0.2523
Bollard	0.1	60	0.1870
Bollard	0.1	80	0.2294
Bollard	0.1	75	0.1964
Bollard	0.1	70	0.1660
Pole Light	0.25	80	0.1698
Bollard	0.1	80	0.1193
Bollard	0.1	80	0.0994
Bollard	0.1	75	0.0745
Bollard	0.1	85	0.0634
Bollard	0.1	80	0.0398
Bollard	0.1	90	0.0224

System Voltage	240 [V]
Circuit Load (I)	1.008 [A]
Total Length (L)	470 [ft]
Copper Constant (K)	12.9
Wire Diameter (CM)	10384 [CMIL]
$VD = \Sigma(I^2 * L * K / CM)$	0.5825 [V]
10% Safety Factor =	0.0582 [V]

Total Voltage Drop	0.6407 [V] = 0.3 [%]
--------------------	----------------------

Device	Load [A]	Leg Dist. [ft]	VD [V]
Bollard	0.1	50	0.1253
Pole Light	0.25	50	0.1128
Bollard	0.1	70	0.1138
Bollard	0.1	60	0.0826
Pole Light	0.25	75	0.0846
Bollard	0.1	90	0.0447
Bollard	0.1	75	0.0186

System Voltage	240 [V]
Circuit Load (I)	1.800 [A]
Total Length (L)	165 [ft]
Copper Constant (K)	12.9
Wire Diameter (CM)	10384 [CMIL]
$VD = \Sigma(I^2 * L * K / CM)$	0.5031 [V]
10% Safety Factor =	0.5030 [V]

Total Voltage Drop	0.5534 [V] = 0.2 [%]
--------------------	----------------------

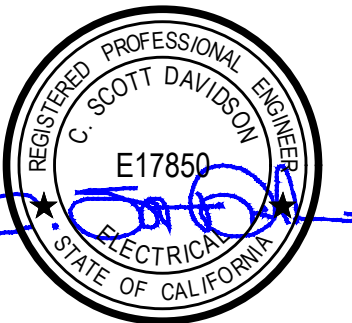
<u>Device</u>	<u>Load [A]</u>	<u>Leg Dist. [ft]</u>	<u>VD [V]</u>
S4	0.90	60	0.2683
S4	0.90	105	0.2348

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ELECTRICAL SYMBOLS, NOTES, AND DETAILS

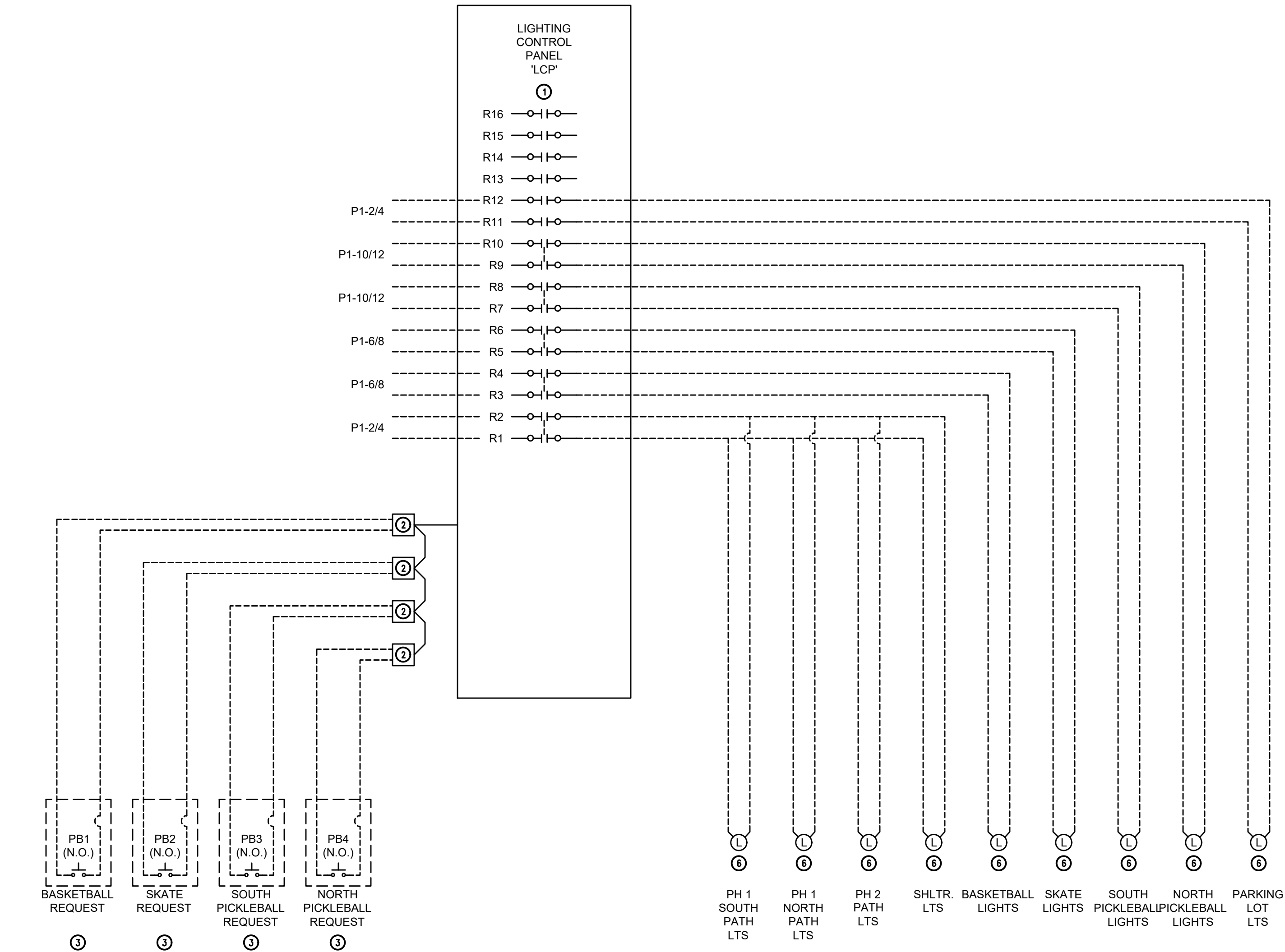
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5/24 C BASES	HDE

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 icked By CSD
 e Issued 6-21-2023
 ject No. 22-036
 le AS NOTED

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E1.2

Sheets



LIGHTING CONTROL 'LCP1' DIAGRAM
NOT TO SCALE

Voltage Drop Calculation
Pickleball South

System Voltage	240	[V]
Circuit Load (I)	6.250	[A]
Total Length (L)	430	[ft]
Copper Constant (K)	12.9	
Wire Diameter (CM)	10384	[CMIL]
VD = $\Sigma(I^2 * L * K / CM)$	5.2798	[V]
10% Safety Factor =	0.5280	[V]

Total Voltage Drop 5.8077 [V] = 2.4 [%]

Point-by-Point Data			
Device	Load [A]	Leg Dist. [ft]	VD [V]
S3 - POLE 1	1.56	250	3.8822
S3 - POLE 2	1.56	50	0.5823
S3 - POLE 3	1.56	80	0.6211
S3 - POLE 4	1.56	50	0.1941

Voltage Drop Calculation
Basketball

System Voltage	240	[V]
Circuit Load (I)	1.725	[A]
Total Length (L)	160	[ft]
Copper Constant (K)	12.9	
Wire Diameter (CM)	10384	[CMIL]
VD = $\Sigma(I^2 * L * K / CM)$	0.5357	[V]
10% Safety Factor =	0.0536	[V]

Total Voltage Drop 0.5893 [V] = 0.2 [%]

Point-by-Point Data			
Device	Load [A]	Leg Dist. [ft]	VD [V]
S1	0.86	90	0.3857
S1	0.86	70	0.1500

Voltage Drop Calculation
Pickleball North

System Voltage	240	[V]
Circuit Load (I)	6.250	[A]
Total Length (L)	490	[ft]
Copper Constant (K)	12.9	
Wire Diameter (CM)	10384	[CMIL]
VD = $\Sigma(I^2 * L * K / CM)$	6.2115	[V]
10% Safety Factor =	0.6211	[V]

Total Voltage Drop 6.8326 [V] = 2.8 [%]

Point-by-Point Data			
Device	Load [A]	Leg Dist. [ft]	VD [V]
S3 - POLE 1	1.56	310	4.8139
S3 - POLE 2	1.56	50	0.5823
S3 - POLE 3	1.56	80	0.6211
S3 - POLE 4	1.56	50	0.1941

Voltage Drop Calculation
Skate Park

System Voltage	240	[V]
Circuit Load (I)	5.550	[A]
Total Length (L)	400	[ft]
Copper Constant (K)	12.9	
Wire Diameter (CM)	10384	[CMIL]
VD = $\Sigma(I^2 * L * K / CM)$	3.1716	[V]
10% Safety Factor =	0.3172	[V]

Total Voltage Drop 3.4887 [V] = 1.5 [%]

Point-by-Point Data			
Device	Load [A]	Leg Dist. [ft]	VD [V]
(2) S2 - POLE 1	0.93	60	0.8274
(2) S2 - POLE 2	0.93	70	0.8044
(2) S2 - POLE 3	0.93	65	0.5975
(2) S2 - POLE 4	0.93	70	0.4826
(2) S2 - POLE 5	0.93	65	0.2988
(2) S2 - POLE 6	0.93	70	0.1609

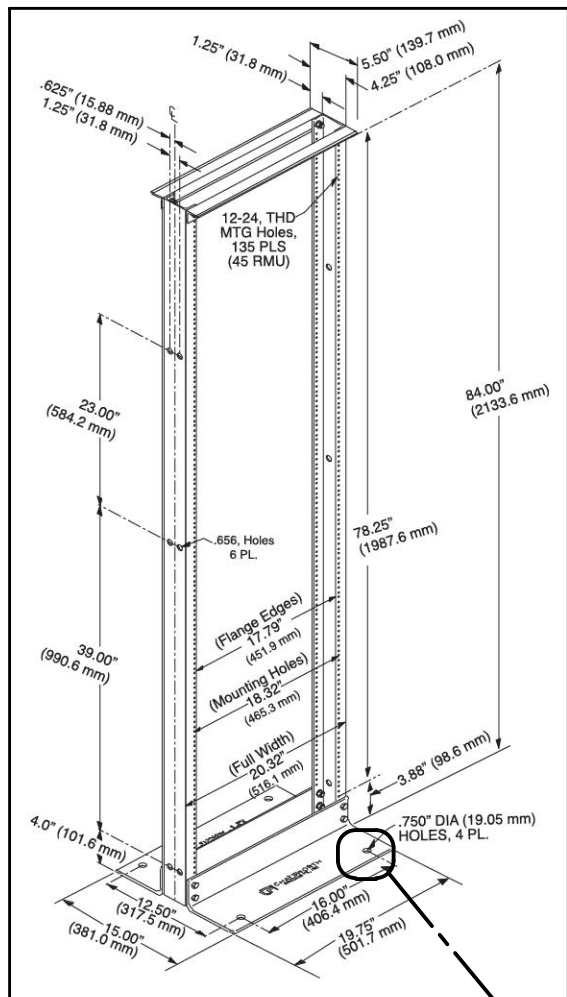
PANEL "PP1" SCHEDULE											
120/240V 1Φ 3W											
OUTDOOR/STANDUP											
CKT. NO.	DESCRIPTION	BREAKER		VA	Φ	VA	BREAKER		DESCRIPTION	CKT. NO.	
		AMPS	POLE(S)				AMPS	POLE(S)			
1	PANEL 'P1'*	60	2	4951	A	3840	40	3	EV CAPABLE (FUTURE 32A EVSE)*	2	
3	--	--	--	5111	B	3840	--	--	--	4	
5	PANEL 'P2'*	60	2	4824	A	3840	40	3	EV CAPABLE (FUTURE 32A EVSE)*	6	
7	--	--	--	5124	B	3840	--	--	--	8	
9	IRRIGATION BOOSTER*	50	2	2040	A	3840	40	3	EV CAPABLE (FUTURE 32A EVSE)*	10	
11	--	--	--	2040	B	3840	--	--	--	12	
13	REC - SERVICE	20	1	180	A	3840	40	3	EV CAPABLE (FUTURE 32A EVSE)*	14	
15	IRRIGATION CONTROLLER	20	1	180	B	3840	--	--	--	16	
17	FUTURE CCTV CAMERAS	20	1	500	A		20	1	SPACE	18	
19	SPACE	20	1		B		20	1	SPACE	20	
21	SPACE	20	1		A		20	1	SPACE	22	
23	SPACE	20	1		B		20	1	SPACE	24	
LOAD SUMMARY:				Φ A	27855 VA	BUSING: 400A					
				Φ B	27815 VA	MAIN: 400A MAIN					
					VA	SCCR: 22,000A FULLY RATED					
CONNECTED LOAD:					55.7 KVA	TYPE: TESCO 28-600M					
MAX CURRENT:					232 A	NOTE: * PROVIDE LOCK-OFF DEVICE					

'LCP' KEY NOTES

- LIGHTING CONTROL PANEL 'LCP'. PROVIDE HANDLE TIE FOR EACH PAIR OF RELAYS. ACUITY #ARP INTENC16 NLT 16FCR MVOLT HLK SM DTC
- ACUIT nLIGHT DRY CONTACT INPUT DEVICE. PROVIDE JUNCTION BOXES AS REQUIRED FOR DEVICES AND CONNECTION OF FIELD WIRING. LABEL nIO DEVICE AS TO WHICH SPORTS LIGHTING INPUT STATION IS CONNECTED. ACUITY #nIO 1S KO LT
- REMOTE MOUNTED MOMENTARY CONTACT PUSH BUTTON. POLARA ENGINEERING #RBDSP-011-B-2H. WIRE PER MANUFACTURER'S INSTRUCTIONS.
- SEE SITE PLAN, SHEET E2.1 FOR CONDUIT AND CONDUCTORS.
- CAT5e CABLE FOR nLIGHT WIRED NETWORKING.
- LIGHTING FIXTURES PER PLANS AND SCHEDULE.

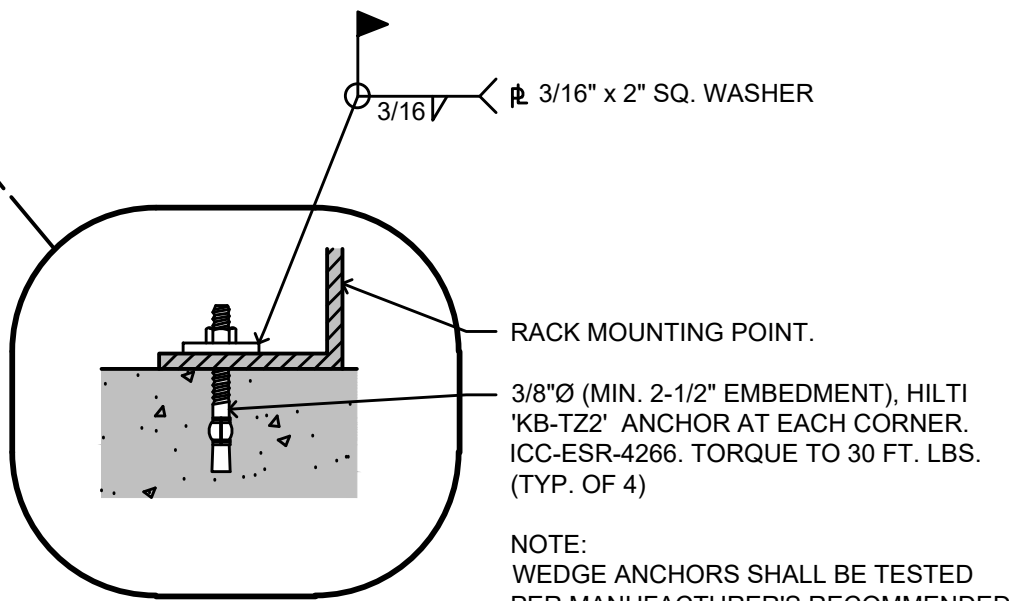
THE CONTROL PANEL SHALL PROVIDE THE FOLLOWING FUNCTIONS:

- ASTRONOMICAL TIME CLOCK CONTROL FOR SITE PARKING, PATHWAY AND SHELTER LIGHTING. COORDINATE TIME SCHEDULE WITH THE CITY OF SHAFTER REPRESENTATIVE.
- SPORTS LIGHTING SHALL BE ENABLED BASED ON TIME SCHEDULE AS DICTATED BY THE CITY OF SHAFTER. DURING THE ALLOWED TIME, A PRESS OF THE PUSH BUTTON AT THE SPORTS LIGHTING POLE SHALL ENABLE A RUNNING 1 HOUR TIMER. 5 MINUTES PRIOR TO THE END OF THE 1 HOUR TIMER, THE LIGHTS SHALL BLINK AND ALLOW FOR ADDITIONAL OF ONE HOUR. ADDITIONAL BUTTON PRESSED SHALL NOT ADD TIME. NOR TURN OFF THE LIGHTS. UPON EXPIRATION OF THE TIMER, THE LIGHTS SHALL TURN OFF.



CPI #55053-703 POST RACK

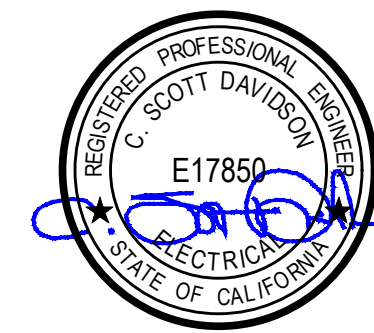
MAXIMUM OPERATING WEIGHT WITH EQUIPMENT = 1000 LBS.



NOTE:
WEDGE ANCHORS SHALL BE TESTED PER MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE PER CBC 1910A.5.

2-POST RACK MOUNTING DETAIL
NOT TO SCALE

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NORTH SHAFTER
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ELECTRICAL
AND DETAILS

Revisions	By
03/16/24 BACKCHECK	HDE
04/15/24 POLE BASES	HDE

Drawn By: HDE TEAM
Checked By: CSD
Date Issued: 6-21-2023
Project No.: 22-036
Scale: AS NOTED

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DRAWING KEY NOTES

1. POWER PEDESTAL: SEE SINGLE LINE DIAGRAM 1/E1.2. MOUNT PEDESTAL PER DETAIL 1/E-1.1. COORDINATE EXACT LOCATION OF PEDESTAL WITH LANDSCAPE ARCHITECT AND UTILITY COMPANY.

2. 5°C. TO UTILITY COMPANY SECONDARY POWER CONNECTION POINT. EXACT REQUIREMENTS AND CONNECTION POINT SHALL BE AS PER UTILITY DRAWINGS.

3. IRRIGATION BOOSTER PUMP SKID: 3HP 240V 1-PHASE. PROVIDE 1-1/2°C. 2#10, 1#10G. VERIFY EXACT LOCATION.

4. RESTROOM BUILDING PANEL "PP1" PROVIDED BY BUILDING SUPPLIER.

5. 1-1/4°C. 3#4, 1#10G. TO PANEL "PP1". SEE SINGLE LINE DIAGRAM.

6. SPLASH PAD EQUIPMENT ROOM PANEL "P2".

7. LIGHT POLE WITH (2) FLOOD LIGHTS "S2" PER 4/E1.2. SET ANGLE OF FLOODS TO 45 DEGREES FROM NADIR. AIM FIXTURES TURNED 15 DEGREES OUTWARD.

8. LIGHT POLE WITH (2) FLOOD LIGHTS "S2" PER 4/E1.2. SET ANGLE OF FLOODS TO 45 DEGREES FROM NADIR. AIM INBOARD FIXTURES TURNED 45 DEGREES INWARD. AIM OUTBOARD FIXTURES TURNED 30 DEGREES OUTWARD.

9. PROVIDE MOMENTARY PUSH BUTTON +42" AT POLE FOR SPORT LIGHTING REQUEST, CONNECT INPUT DEVICE AT "LCP". SEE "LIGHTING CONTROL DIAGRAM", 2/E1.2.
10. SKATE PARK. THIS AREA TO BE CONTROLLED BY REQUEST BUTTON #1 ON LAP RELAYS 3/4.

11. BASKETBALL COURT, THIS COURT TO BE CONTROLLED BY REQUEST BUTTON #2 ON RELAYS 5/6 OF "LCP".

12. 1-1/2°C. 2#10, 1#10G. (IRRIGATION BOOSTER PUMP)

13. 1°C. 2#10, 1#10G. (LIGHTING)
1°C. 2#12 (LTG REQUEST) TO mIO DEVICE

14. 1°C. TO LCP
P1-2/4, 2#10, RELAY 1/2 (PHASE 1 NORTH LTG)

15. LIGHT POLE WITH SINGLE HEAD PER DETAIL 3/E1.2.

16. 1°C. TO LCP
2#10, RELAY 1/2 (SHELTER LIGHTING)
1#10G.

17. 1-1/2°C. TO "PP1" FOR FUTURE EVSE. PROVIDE NO. 3-1/2 TRAFFIC RATED PULLBOX WITH STEEL BOLT-DOWN LID AT FUTURE EVSE LOCATION.

18. TYPICAL PATHWAY.

19. FIBER OPTIC PULL BOX TO BE SPECIFIED BY THE CITY AND INSTALLED BY DEVELOPER.
20. 1-1/2°C. (SPARE) FOR FUTURE CAMERA FIBER. PROVIDE 24"R SWEEPS FOR ALL TURNS.

21. 1°C (SPARE) FOR FUTURE CAMERA POWER

22. LIGHTING CONTROL PANEL "LCP". ACUITY #ARP INTENC16 NLT 16FOR MVOLT HLK SM DTC.

23. SOUTH PICKLEBALL COURTS, THIS COURT TO BE CONTROLLED BY REQUEST BUTTON #3 ON ZONE 4 OF "LCP".

24. NORTH PICKLEBALL COURTS, THIS COURT TO BE CONTROLLED BY REQUEST BUTTON #4 ON ZONE 5 OF "LCP".

25. 1°C. TO LCP
2#10, RELAY 7/8 (NORTH PICKLEBALL)
2#10, RELAY 9/10 (SOUTH PICKLEBALL)
1#10G.
1°C. 4#12 (LTG REQUEST) TO mIO DEVICE

26. 2°C. TO FIBER OPTIC PULL BOX. PROVIDE PULL ROPE FOR FUTURE INSTALLATION OF FIBER OPTIC CABLE. PROVIDE #10 WHITE TRACER WIRE ATTACHED TO EXTERIOR OF CONDUIT. COIL 3' OF WIRE IN THE PULL BOX AND 3' AT THE MDF RACK FOR TRACING.

27. 2 POST MDF RACK. SEE DETAIL 2/E1.3.

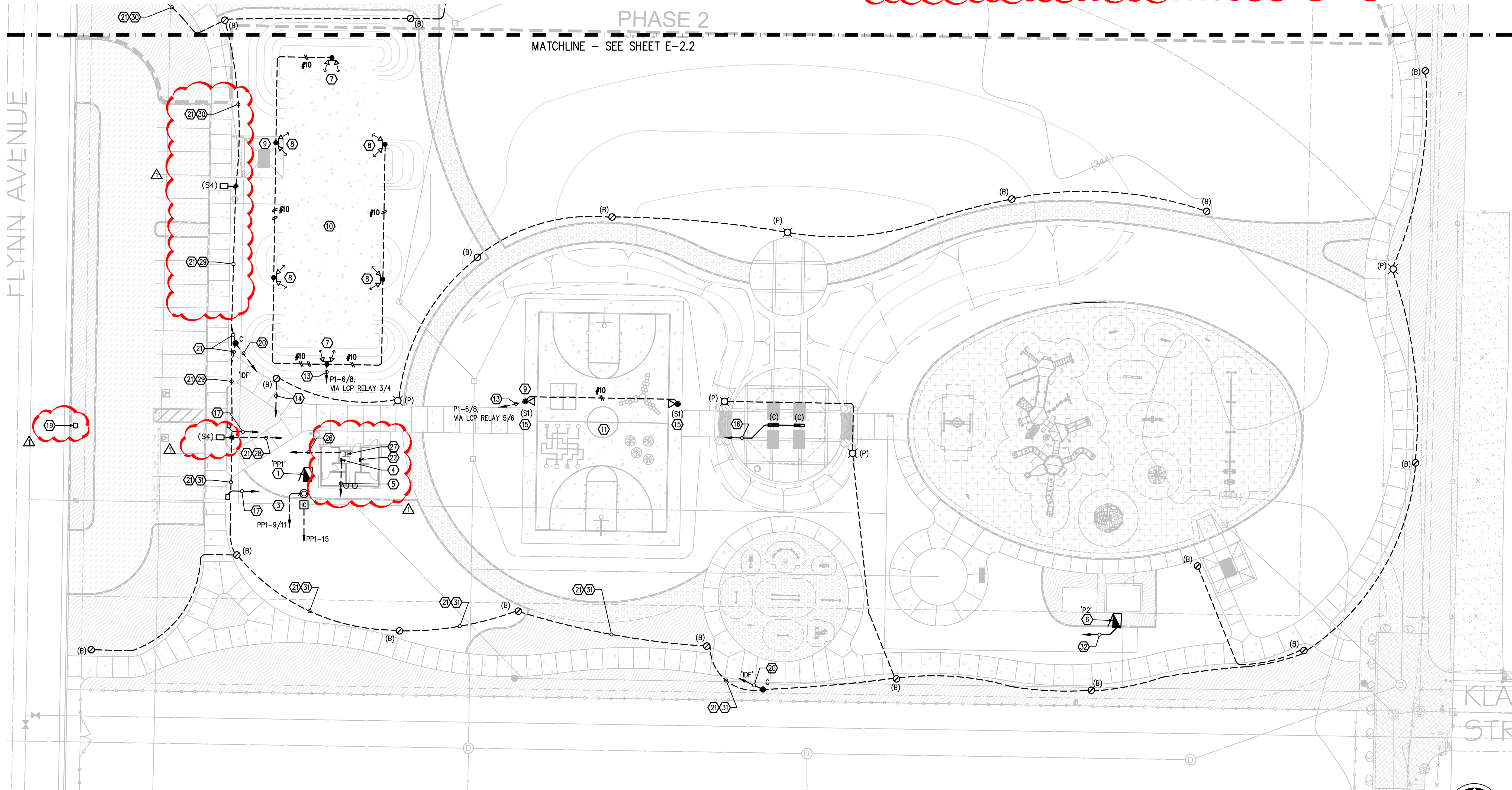
28. 1°C. 2#10, P1-2/4, RELAY 1/2 (PHASE 1 SOUTH)

29. 1°C. 2#10, P1-2/4, RELAY 11/12 (PARKING LOT)
2#10, P1-2/4, RELAY 1/2 (PHASE 2)
1#10G.

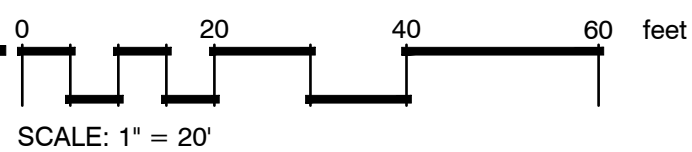
30. 1°C. 2#10, P1-2/4, RELAY 1/2 (PHASE 2)
1#10G.

31. 1°C. 2#10, P1-2/4, RELAY 1/2 (PHASE 1 SOUTH)
1#10G.

32. 2°C. 3#1, 1#6G TO PANNEL "PP1". SEE SINGLE LINE DIAGRAM.



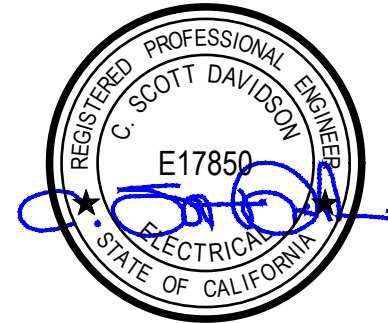
ELECTRICAL SITE PLAN - PHASE I



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**ELECTRICAL SITE PLAN -
PHASE 1**

Revisions	By
03/16/24 BACKCHECK	HDE
04/15/24 POLE BASES	HDE

Drawn By HDE TEAM
Checked By CSD
Date Issued 6-21-2023
Project No. 22-036
Scale AS NOTED

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DRAWING KEY NOTES

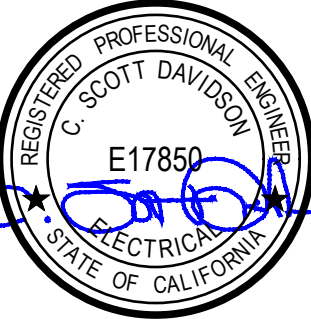
SEE SHEET E2.1 FOR DRAWING KEY NOTES.



Hardin-Davidson
Engineering

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ELECTRICAL SITE PLAN -
PHASE 2

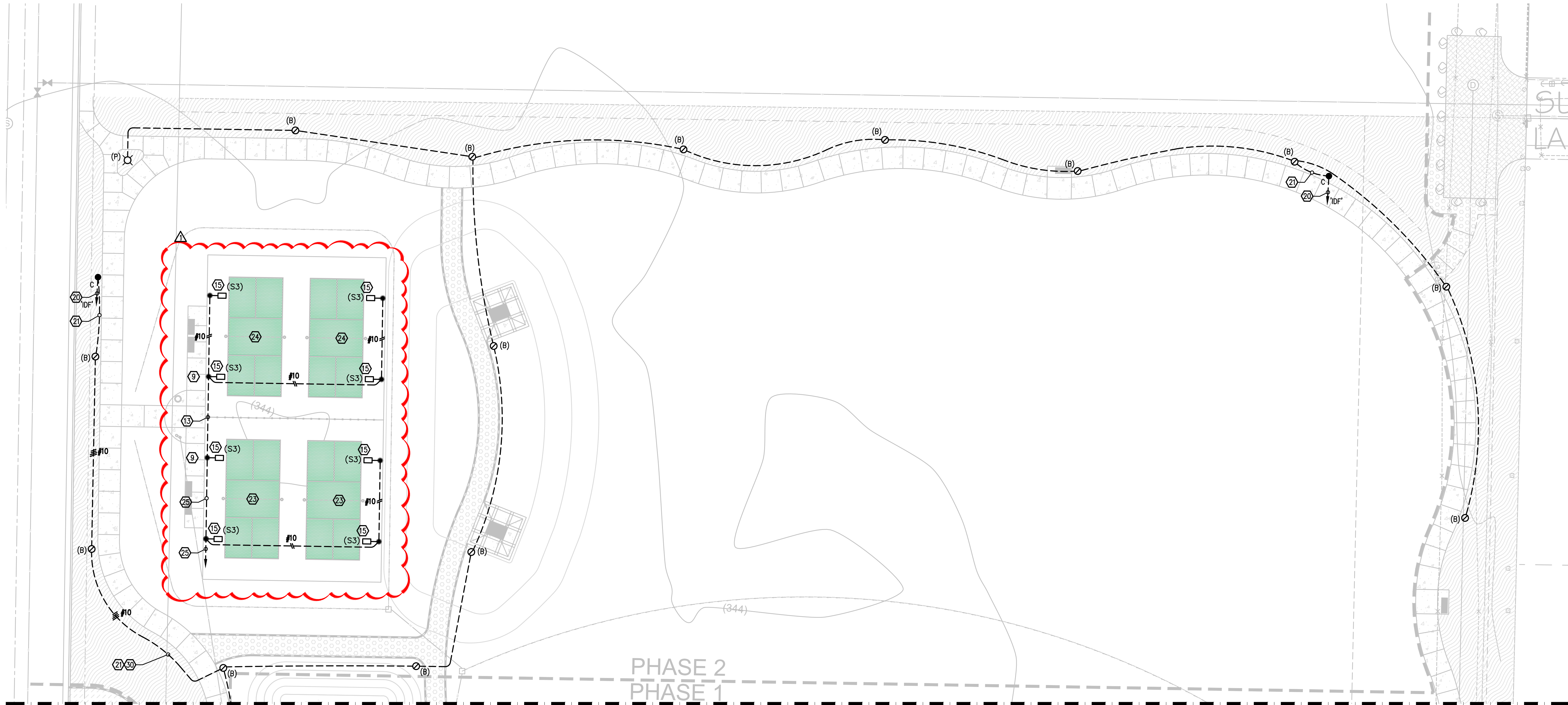
Revisions	By
03/16/24 BACKCHECK	HDE
04/15/24 POLE BASES	HDE

Drawn By: HDE TEAM
Checked By: CSD
Date Issued: 6-21-2023
Project No.: 22-036
Scale: AS NOTED

Sheet

E2.2

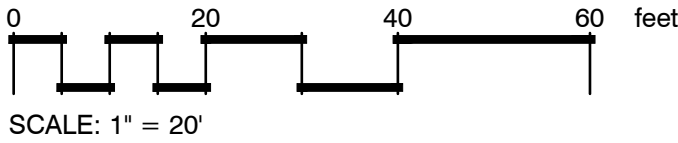
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PHASE 2
PHASE 1

MATCHLINE - SEE SHEET E2.1

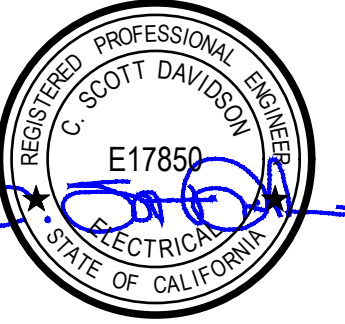
ELECTRICAL SITE PLAN - PHASE 2



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RAM PUJIPEDDI
CITY ENGINEER

These designs, drawings and specifications are the property and copyright of the electrical engineer and shall not be used in connection with any other work except by agreement with the electrical engineer. There shall be no changes or deviation without the consent of the electrical engineer. Written dimensions shall be verified on the job site. Any discrepancy shall be brought to the notice of the electrical engineer prior to the commencement of any work.



NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

PHOTOMETRIC SITE PLAN
- PHASE 1

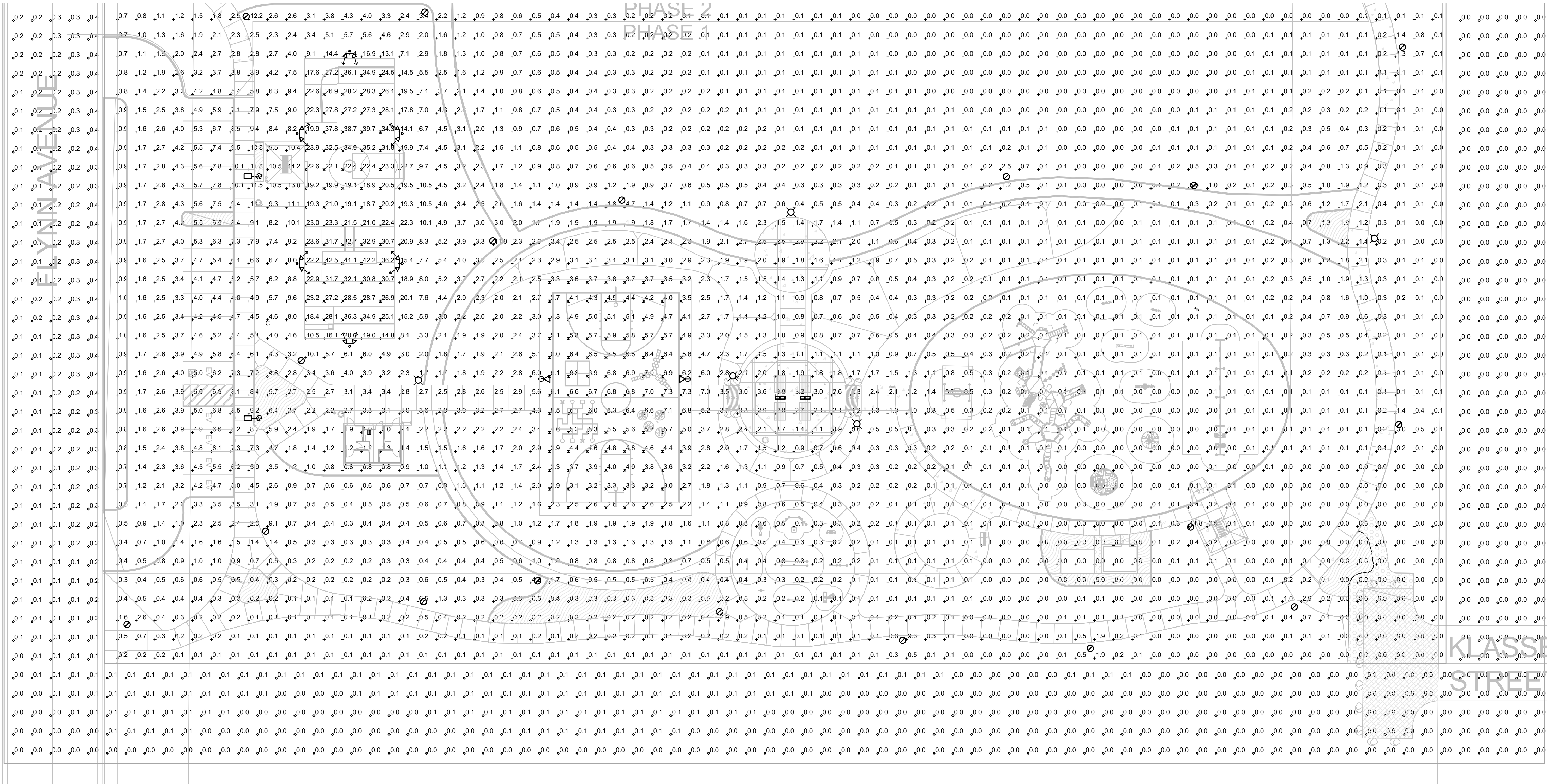
Revisions	By
03/16/24 BACKCHECK	HDE
04/15/24 POLE BASES	HDE

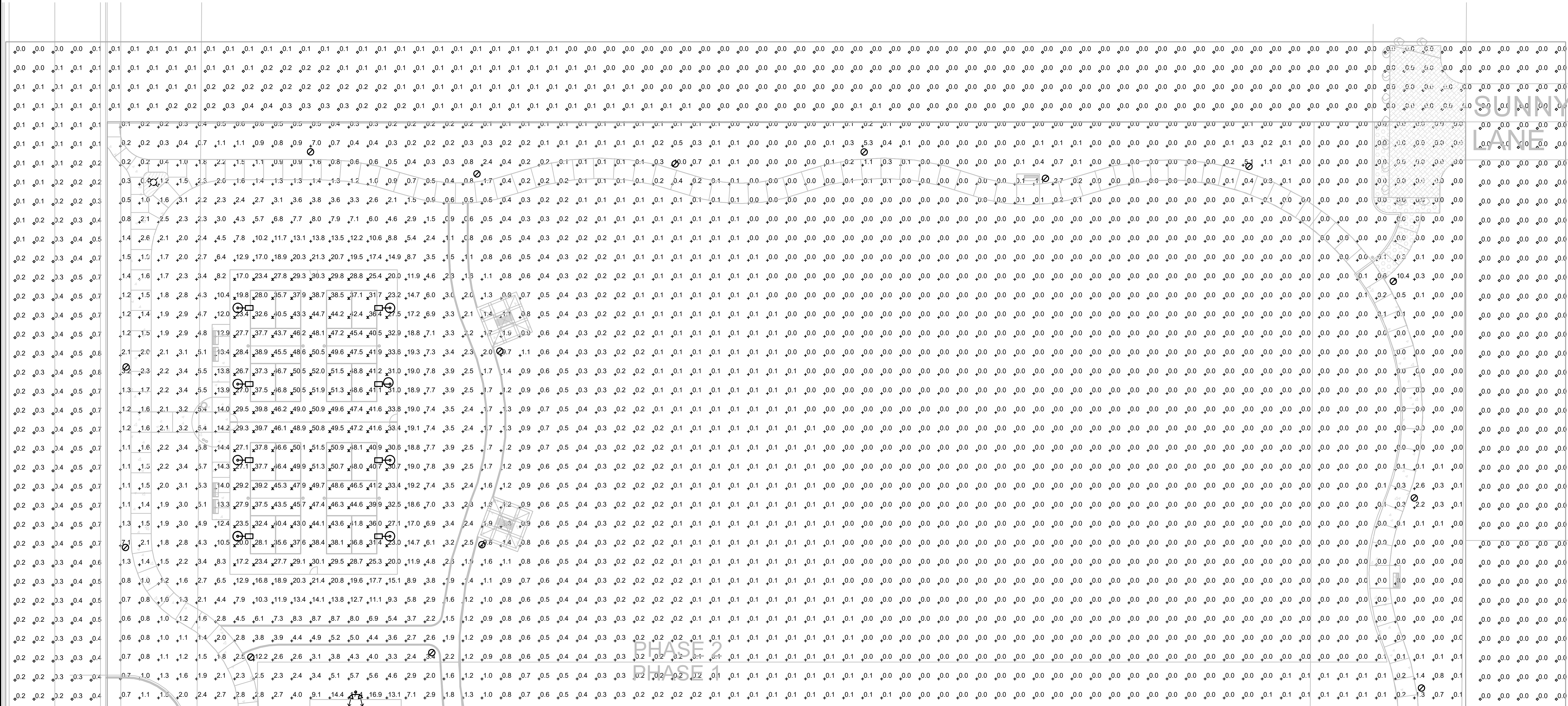
Drawn By: HDE TEAM
Checked By: CSD
Date Issued: 6-21-2023
Project No.: 22-036
Scale: AS NOTED

Sheet

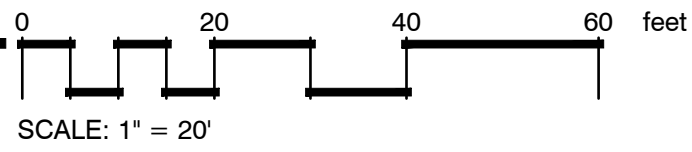
E2.3

Of Sheets





PHOTOMETRIC SITE PLAN - PHASE 2
VALUES REPRESENT FOOT CANDLES



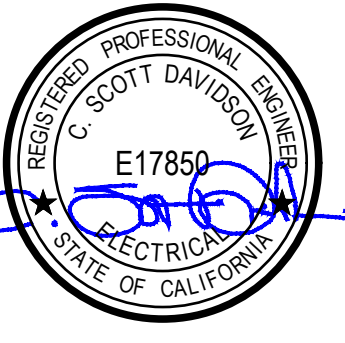
APPROVED:

RAMI PUJIPEDDI
CITY ENGINEER



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559.323.4995 tel
www.hardin-davidson.com

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NORTH SHAFTER
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PHOTOMETRIC SITE PLAN
- PHASE 2

Revisions	By
03/16/24 BACKCHECK	HDE
04/15/24 POLE BASES	HDE

Drawn By: HDE TEAM
Checked By: CSD
Date Issued: 6-21-2023
Project No.: 22-036
Scale: AS NOTED

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E2.4

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)48vi

Project Name: North Shafter Community Park

Report Page: (Page 1 of 6)

Project Address:

Date Prepared: 3/16/2024

A. GENERAL INFORMATION

01	Project Location (city)	Shafter	02	Climate Zone	13
			03	Occupancy Types Within Project:	

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work ³	Rating ² (kVA)	Utility Provided Metering System Exception to 130.5(a)/ 160.6(a) ¹	System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
PP1	New electrical service equipment and meter	96	☒	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/ 160.3, 130.1/ 160.5, and 130.3/ 160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

¹FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.

² If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.

³ Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

Project Name: North Shafter Community Park

Report Page: (Page 4 of 6)

Project Address:

Date Prepared: 3/16/2024

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/ 160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

01	02	03	04	05
Load Type per Table 130.5-B ¹	Minimum Required Separation of Load per Table 130.5-B	Compliance Method ²	Location of Requirements in Construction Documents	Field Inspector
				Pass Fail

¹ NOTES: If "Other" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.

² FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.
³ Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.
⁴ Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.
⁵ Method 3: Branch circuits serve load types individually and provisions for adding future branch circuit monitoring.
⁶ Method 4: Complete metering system measures and reports loads by type.
⁷ See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2Pi/ 180.2(b)48viic.

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
				Pass Fail
PP1	Voltage drop less than 5% ☒	Permitted by CA Elec Code (Exception to 130.5(c)) ¹ ☐	Attached	E1.2 ☐ ☐

¹ NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.

² FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

J. ELECTRIC READY BUILDINGS

This section does not apply to this project.

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)48v for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: North Shafter Community Park

Report Page: (Page 1 of 9)

Project Address:

Date Prepared: 3/16/2024

A. GENERAL INFORMATION

01	Project Location (city)	Shafter	04	Total Illuminated Hardscape Area (ft ²)	32745
02	Climate Zone	13			
03 Outdoor Lighting Zone per Title 24 Part 1.10.114 or as designated by Authority Having Jurisdiction (AHJ):					
☐ LZ-0: Very Low - Undeveloped Parkland		☒ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐ LZ-1: Low - Rural Areas		☐ LZ-3: Moderately High - Urban Areas			
05 Occupancy Types within Project					
☐ All Other Occupancies					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)48v for alterations.

My Project Consists of:

01	02
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?
	Yes No
03	04
% of Existing Luminaires Being Altered ¹	Sum Total of Luminaires Being Added or Altered
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%	Calculation Method

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

Project Name: North Shafter Community Park

Report Page: (Page 2 of 6)

Date Prepared: 3/16/2024

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05	06				
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	AND	Separation for Monitoring 130.5(b)/ 160.6(b) (See Table G)	AND	Voltage Drop 130.5(c)/ 160.6(c) (See Table H)	AND	Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	05	Electric Ready 160.9 (See Table J)	Compliance Results
Yes	AND	Yes	AND	Yes	AND				COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

Project Name: North Shafter Community Park

Report Page: (Page 5 of 6)

Date Prepared: 3/16/2024

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title

NRCC-ELC-E - Must be submitted for all buildings

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: North Shafter Community Park

Report Page: (Page 2 of 9)

Date Prepared: 3/16/2024

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)48v										Compliance Results					
01	02	03	04	05	06	07	08	09							
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 / 170.2(e)6 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)48v (See Table N)	=	Total Allowed (Watts)	≥	Total Actual (Watts)	07 must be >= 08
1,507	+	---	+	---	+	---	+	50	OR	---	=	1,557	≥	1,531	COMPLIES
Shielding Compliance (See Table G for Details)										COMPLIES					
Controls Compliance (See Table H for Details)										COMPLIES					

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Generated Date/Time: Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-7514-0324-0593 Schema Version: rev 20220101 Report Generated: 2024-03-16 18:46:00

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

Project Name: North Shafter Community Park

Report Page: (Page 3 of 6)

Date Prepared: 3/16/2024

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with 130.5(b)/ 160.6(b). Any load types that are not included in the service do not need to be shown. For multifamily occupancies, submetered systems that provide power to dwelling units do not need to meet these separation requirements and therefore load types on those submetered systems also do not need to be shown.

01	02	03	04	05
Load Type per Table 130.5-B ¹	Minimum Required Separation of Load per Table 130.5-B	Compliance Method ²	Location of Requirements in Construction Documents	Field Inspector
				Pass Fail

PP1

Lighting including exit, egress and exterior	All lighting in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring	E1.2	☐	☐
Domestic and service water systems	All loads in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring	E1.2	☐	☐
Charging stations for electrical vehicle	All loads in aggregate	Method 3: Branch circuits serve load types individually & provisions for adding future branch circuit monitoring	E1.2	☐	☐

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

Project Name: North Shafter Community Park

Report Page: (Page 6 of 6)

Project Address:

Date Prepared: 3/16/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: C. Scott Davidson, PE

Documentation Author Signature: C. Scott Davidson

Company: Hardin-Davidson Engineering

Signature Date: 2024-03-16

Address: 356 Pollasky Ave, Ste 200

City/State/Zip: Clovis CA 93612

Phone: 559-323-4995

RESponsible PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: C. Scott Davidson, PE

Responsible Designer Signature: C. Scott Davidson

Company: Hardin-Davidson Engineering

Date Signed: 2024-03-16

Address: 356 Pollasky Ave, Ste 200

City/State/Zip: Clovis CA 93612

License: E-17850

Phone:

Generated Date/Time: Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-7514-0324-0593 Schema Version: rev 20220101 Report Generated: 2024-03-16 18:46:00

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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

ENERGY
COMPLIANCE
DOCUMENTS

Revisions	By
03/16/24 BACKCHECK	HDE
04/15/24 POLE BASES	HDE

Drawn By: HDE TEAM
Checked By: CSD
Date Issued: 6-21-2023
Project No.: 22-036
Scale: NO SCALE

Sheet

E3.1

Of Sheets

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:North Shafter Community Park

Report Page:(Page 3 of 9)

Date Prepared:

3/16/2024

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e) all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How is Wattage determined	Total Number Luminaires ²	Luminaire Status ³	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1 ⁴	Field Inspector
1	24 W LED Bollard	☐ Linear	24	Mfr. Spec	28	New	☐	672	NA: < 6200 lumens
B	24 W LED Bollard	☐ Linear	24	Mfr. Spec	3	New	☐	72	NA: < 6200 lumens
C	25 W LED Surface	☐ Linear	25	Mfr. Spec	2	New	☐	50	NA: < 6200 lumens
P	61 W LED Pole	☐ Linear	61	Mfr. Spec	5	New	☐	305	NA: < 6200 lumens
S4	216 W LED Pole	☐ Linear	216	Mfr. Spec	2	New	☐	432	Provided
Total Design Watts:								1531	

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

¹FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
²For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
³Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
⁴Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b) / 160.5(c)

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:North Shafter Community Park

Report Page:(Page 6 of 9)

Date Prepared:

3/16/2024

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/ Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B / Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

01	
"Use it or lose it" Allowance (select all that apply) (select all that apply)	
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J
☐ Sales Frontage Table K	☐ Ornamental Table L
☒ Per Specific Area Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA) Illuminated Area (ft²)	Linear Wattage Allowance (LWA) Allowed Density (W/ft²)	Perimeter Length (lf)	Linear Wattage Allowance (LWA) Allowed Density (W/ft²)	Linear Allowance (Watts)	Total General AWA + LWA (Watts)	
Parking Lot	8030	0.019	152.6	520	0.2	78	
Walks	20982	0.019	398.7	3497	0.2	524.6	
Gazebo Pedestrian	2866	0.019	54.5	343	0.2	51.4	
North Shade	289	0.019	5.5	68	0.2	10.2	
North Shade	289	0.019	5.5	68	0.2	10.2	
South Shade	289	0.019	5.5	68	0.2	10.2	
Initial Wattage Allowance for Entire Site (Watts):						200	
Instances of Initial Wattage Allowance (LZ 0 only):							
Total General Hardscape Allowance (Watts):						1507	

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

Generated Date/Time:

Documentation Software: EnergyPro

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

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NRCC-LTO-E

Project Name:North Shafter Community Park

Report Page:(Page 9 of 9)

Project Address:

3/16/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:
C. Scott Davidson, PE

Documentation Author Signature:
C. Scott Davidson

Company:
Hardin-Davidson Engineering

Signature Date:
2024-03-16

Address:
356 Pollasky Ave, Ste 200
Clovis CA 93612

CEA/ HERS Certification Identification (if applicable):
E-17850
Phone:
559-323-4995

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:
C. Scott Davidson, PE

Responsible Designer Signature:
C. Scott Davidson

Company:
Hardin-Davidson Engineering

Date Signed:
2024-03-16

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Clovis CA 93612

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Phone:

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STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

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Date Prepared:

3/16/2024

G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
Name or Item Tag	Complete Luminaire Description	Backlight Rating ²		Uplight Rating ²			Glare Rating (Lumens) ²			Field Inspector		
		Mounting Height ¹	Max Allowable Backlight Rating ³	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating ³	Uplight Rating Per Design	Mounting Height ¹	Max Allowable Glare Rating ³	Glare Rating Per Design	Pass	Fail
S4	216 W LED Pole	2 MH from property line	No Limit	B3	All other outdoor lighting, including decorative	U2	U0	> 2 MH from property line	G2	G2	☐	☐

¹FOOTNOTES: Mounting Height is labeled MH in this table.
²Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b) / 160.5(c)
³BUG ratings with a lower number than the "Max Allowable" are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000
Schema Version: rev 20220101

Compliance ID: EnergyPro-7514-0324-0593
Report Generated: 2024-03-16 18:46:00

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:North Shafter Community Park

Report Page:(Page 7 of 9)

Date Prepared:

3/16/2024

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowance per specific area from Table 140.7-B / Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
Area Description	Specific Area Type per Table 140.7-B	CALCULATED ALLOWANCE (Watts) Specific Area (ft²) ¹	Allowed Density (W/ft²)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)
Gazebo	NonSalesCanopy	722	0.1	98.9	C	25	2	50	50
Total Design Watts for this Area:								50	
Total Allowance (Watts) All Areas:								50	

¹FOOTNOTES: See Table 140.7-B / Table 170.2-S for rules for calculating the specific areas (ft²) for these additional lighting allowances.
²For luminaires indicated in Table F as linear, wattage in column 07 is W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title

NRCC-LTO-E - Must be submitted for all buildings

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000
Schema Version: rev 20220101

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STATE OF CALIFORNIA

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CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:North Shafter Community Park

Report Page:(Page 5 of 9)

Date Prepared:

3/16/2024

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application. Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit.

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Exterior	Photocontrol	Provided	NA: Each Luminaire <= 40 Watts	☐	☐

¹FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
²Authority having jurisdiction may ask for cut sheets or other documentation to confirm compliance of light source.
³Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are exempted from ii and iii.

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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Schema Version: rev 20220101

Compliance ID: EnergyPro-7514-0324-0593
Report Generated: 2024-03-16 18:46:00

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:North Shafter Community Park

Report Page:(Page 8 of 9)

Date Prepared:

3/16/2024

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/Title24/ttccp/providers.html>

Form/Title

Systems/Spaces To Be Field Verified

NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.

Exterior:

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000
Schema Version: rev 20220101

Compliance ID: EnergyPro-7514-0324-0593
Report Generated: 2024-03-16 18:46:00

These designs, drawings and specifications are the property and copyright of the electrical engineer and shall not be used in connection with any other work except by agreement with the electrical engineer. There shall be no changes or deviation without the consent of the electrical engineer. Written dimensions shall be verified on the job site. Any discrepancy shall be brought to the notice of the electrical engineer prior to the commencement of any work.

NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263
904 FLYNN AVENUE

ENERGY
COMPLIANCE
DOCUMENTS

Revisions	By
03/16/24 BACKCHECK	HDE
04/15/24 POLE BASES	HDE

Drawn By: HDE TEAM

Checked By: CSD

Date Issued: 6-21-2023

Project No.: 22-036

Scale: NO SCALE

Sheet

E3.2

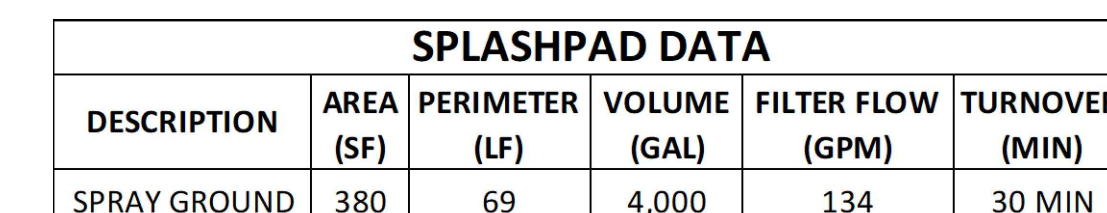
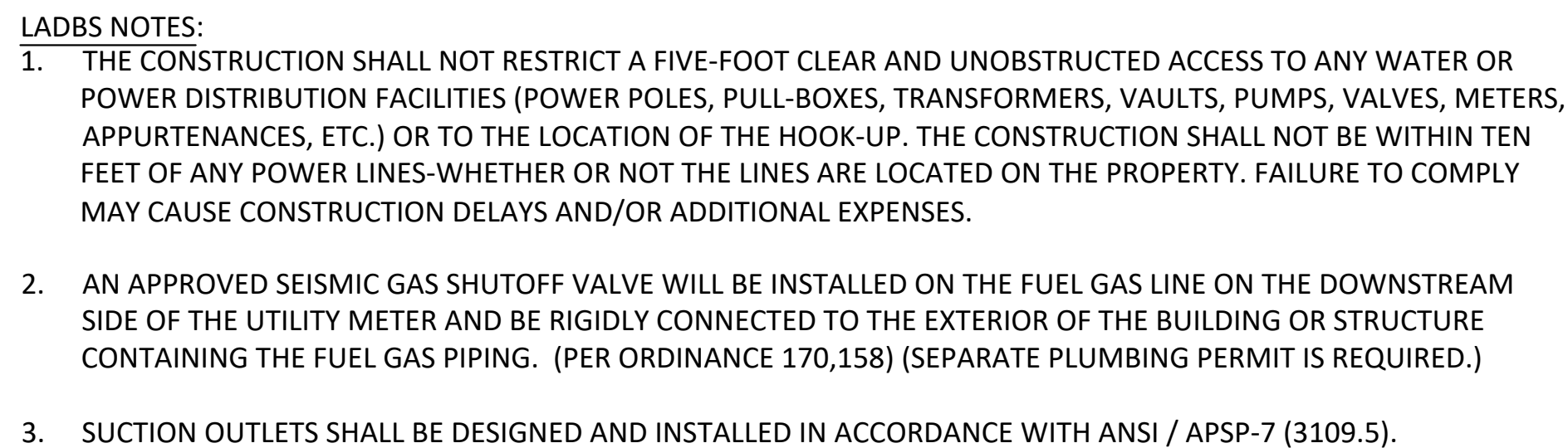
Of Sheets

APPROVED:

RAM PUDIPEDDI
CITY ENGINEER

Page 162 of 395

WAGNER STREET



SP-1.00

PROJECT INFORMATION

PROJECT NAME: NORTH SHAFTER PARK
CLIENT: CITY OF SHAFTER
ADDRESS: 904 WAGNER STREET, SHAFTER, CA 93263
DESCRIPTION: MECHANICAL, ELECTRICAL AND STRUCTURAL PLANS AND SPECIFICATIONS FOR ONE SPRAY GROUND

APPLICABLE CODES:

CITY OF SHAFTER MUNICIPAL CODE
2022 CALIFORNIA BUILDING CODE (C.B.C.)
2022 CALIFORNIA MECHANICAL CODE
2022 CALIFORNIA ELECTRIC CODE (C.E.C.)
2022 CALIFORNIA PLUMBING CODE (C.P.C.)
2022 CALIFORNIA FIRE CODE (C.F.C.)
2022 CALIFORNIA ENERGY CODE (TITLE 24)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

GENERAL NOTES

- The plans, specifications and other contract documents shall govern the work. The plans and specifications and other contract documents are intended to be complementary, to describe and provide for a complete project.
- The owner shall, at the request of the contractor, provide plans or field staking locating existing lines and underground utilities. Before excavating, the contractor shall verify the location of cables, conduits, pipes, sewers and other underground utilities and shall take proper precautions to avoid damage to such utilities. In the event of a conflict or discrepancies, the contractor shall promptly notify the owner and request and for necessary relocation. Failure to follow this procedure places upon the contractor the responsibility of making any and all repairs for damages of any kind at his expense.
- The contractor shall provide necessary safeguards and exercise caution against damage to existing site improvements. The contractor shall be responsible for any damage resulting from his operations and shall repair or replace such damage at his own expense.
- The contractor shall furnish and install complete splash pad as described in the scope of work. All work shall be in strict accordance with plans, specifications and existing codes and regulations.
- Contractor shall coordinate all work with other trades to avoid conflicts and unnecessary delays.
- Contractor shall coordinate all staging, storage areas, stockpiling, etc. with owner prior to construction.
- All plan written dimensions shall prevail over scaled dimensions.

STANDARDS

- All work shall be done in compliance with all applicable federal, state and local codes, ordinances and regulations including the following:
- California building code, current edition, as directed by owner.
- Manual of Steel Construction, American Institute of Steel Construction, current edition.
- California Electrical code, current edition.
- Manual of Standard Practice, Concrete Reinforcing Institute.
- The American Concrete Institute Publications ACI 301, ACI 302 and ACI 318.
- "Guide to Shotcrete", ACI Standard 506.
- "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings" of the American Institute of Building Construction.
- "Code for Welding in Building Construction" of the American Welding Society.
- "Specifications for Architecturally Exposed Structural Steel" of The American Institute of Steel Construction.
- "Details and Detailing of Concrete Reinforcement", Publication ACI 315 of The American Concrete Institute.
- OSHA Codes.
- Public works code.
- Applicable federal, state and local safety codes, ordinances and orders.
- ASTM A 312 - Specification for Seamless and Welded Austenitic Stainless Steel Pipe.
- ASTM B 88 - Specification for Seamless Copper Water Tube.
- "SA-312 Seamless & Welded Austenitic Stainless Steel Pipe" - American Society of Mechanical Engineers.
- "Piping Manual for Stainless Steel Pipes for Buildings" - No. 12 008 - Stainless Steel Association & Nickel Development Institute.
- "American National Standards for the Installation of Ceramic Tile", ANSI A 108, A118, A136. Tile Council of America.
- "American National Standards Specification of Ceramic Tile", A137, Tile Council of America.
- NSF International - "NSF 50" Splash Pad Minimum Requirements.

CONSTRUCTION NOTES

EQUIPMENT:

- All equipment including pumps, filters, chemical feed systems, skimmers, etc., shall be NSF-50 listed when used on interactive splash pad features.
- All cast iron fittings and pump parts shall be fuse coated with 3M Scotchkote 134 Fusion Bonded Epoxy Coating. Exterior parts may be epoxy coated or coated with a high grade enamel paint for corrosion protection.
- Contractor shall verify electrical feed voltage and phase prior to ordering any electrical equipment.

- All electrical equipment shall be grounded per NEC.
- Bonding is required on all interactive splash pad features. Bond all components with #8 wire and approved connectors per NEC. All metallic equipment, piping and steel reinforcement systems shall be bonded.

PIPING:

- All piping materials are subject to approval by permitting agency.
- Piping shall be installed without air entrapping high points, reverse slopes or inverted "U" shape configurations, all piping shall be installed with a slight slope back to equipment room for drawing and winterization purposes.
- Pipe layout shown on plans represents the required pipe routing allowing for minor realignment required by field conditions. Approval by the splash pad engineer is required for major rerouting of piping. Pipe runs shall be installed with the least number of fittings.
- Pipe trenches shall be excavated to full width and depth required for proper installation and in accordance with the requirements of manufacturer and applicable codes and project specifications. Trench bottom shall provide uniform bearing and support for the entire length of pipe.
- Horizontal and vertical separation between pipes shall be 6" minimum. Contractor shall submit spacing and backfill method prior to installation.
- Provide minimum 24" cover over all piping using approved material and compaction to 90% relative density per ASTM PP1557.
- Acceptable pipe material:
 - All piping in non - 2HR rated spaces shall be a minimum of Sch 10, grade 304L, stainless steel, U.O.N.
 - All equipment room PVC piping shall be Sch 80, U.O.N.
 - All buried discharge PVC piping shall be Sch 40, U.O.N. - Sch 40 or SDR35 for drain lines.
 - All plastic piping subjected to operating pressures of 50 PSI or greater shall be class 315, U.O.N.
 - All plastic piping subjected to operating temperatures of 95 degrees Fahrenheit or greater shall be CPVC material, U.O.N.
 - All copper piping shall be Type K, U.O.N.
 - All cast iron, bronze and brass piping shall be class 125, U.O.N.
 - All connections between steel and PVC shall be flanged, U.O.N.
- Hydrostatic pressure testing is required for all piping. (Test criteria 30 PSI for 2 hours) Do not use compressed air in PVC pipes.
- Corrosive Soil Condition
 - Pipe wrap required on all underground metallic piping per local code requirements.
 - 40 mil cover tape or plastic (PVC) for piping outside the building.
 - Ferrous piping is prohibited under slabs.
 - Gas piping under the ground shall be plastic.
- Thermal insulation shall be required on all piping with operating temperatures in excess of 100 degrees Fahrenheit.
- Install drain valves (means of water evacuation) on piping systems located in areas subject to freezing conditions.
- Provide thrust blocks at all directional transitions on underground piping with linear runs longer than 50 feet.
- All pipe shall be supported to eliminate movement during normal operation.
- Provide dielectric separators on all dissimilar metals.
- All exposed sch 40 PVC piping shall be painted with UV resistant paint.

PIPE MARKING

FLOW ARROWS:

- Green / White arrows shall be placed on all recirculation piping to indicate direction of flow through the system.

IDENTIFICATION OF POTABLE AND NON POTABLE WATER SYSTEMS		
PIPE MARKER	COLOR CODE	APPLICATION
POTABLE WATER	GREEN/WHITE LETTERS	HOSE BIBS, AUTO FILL, SHOWERS
NON POTABLE WATER	YELLOW/BLACK LETTERS	SPRAY GROUND RECIRCULATED WATER SYSTEM

NOTE:

THE BACKGROUND COLOR AND REQUIRED INFORMATION SHALL BE INDICATED EVERY 20 FEET BUT NOT LESS THAN ONCE PER ROOM, AND SHALL BE VISIBLE FROM THE FLOOR

IDENTIFICATION OF POTABLE AND NON POTABLE WATER SYSTEMS		
PIPE OUTSIDE DIAMETER	LENGTH OF COLOR FIELD	SIZE OF LETTERING
1/2" TO 1 1/4"	8"	1/2"
1 1/2" TO 2"	8"	3/4"
2 1/2" TO 6"	12"	1 1/4"
8" TO 10"	24"	2 1/2"
OVER 10"	32"	3 1/2"

GRADING/TRENCHING:

- Contractor shall immediately notify owner of any hazardous material uncovered during excavation.

CONCRETE:

- All concrete for splash pad basins shall conform to ACI standards for hydraulic.
- Waterstops shall be installed at all concrete cold joints and expansion joints unless otherwise noted.

STAINLESS STEEL:

- Stainless steel basins shall be structurally designed or supported so as to provide for a deflection no greater than L/360.
- All stainless steel materials used shall be Type 304L or otherwise as specified in the plans.
- All fabricated stainless steel materials shall undergo passivation.

ELECTRICAL WIRING:

- Aluminum wire No. 6 or smaller requires continuous special inspection.

ADDITIONAL INFORMATION

- Contractor is responsible to provide system operational training and manufacturer commissioning on all equipment installed and included in these plans.
- The contractor is responsible to review and coordinate with plans and specifications developed by all other project consultants in regard to:
 - Finish grades, deck elevations and deck drainage.
 - All architectural finishes.
 - P.O.C. and tie in for all utilities.
- Contractor is to provide the following:
 - Start up and onsite owner training.
 - O & M manual including scaled as built drawing and all equipment

SPLASH PAD REQUIREMENTS

- A plan review and approval is required by the Enforcing Agency prior to construction.
- All parts of the spray grounds must be designed, constructed, maintained and operated so there are no slip, trip or fall hazards or other conditions that may pose a safety hazard.
- The splash zone must be properly sloped so that only water from the features flows back to the reservoir. Areas adjacent to the splash zone must be sloped away from the collection drains. Plants, vegetation or other safety hazards within the immediate area of the splash zone are prohibited.
- A continuous clear deck shall surround the entire spray pad perimeter. It shall be not less than four feet wide. The deck shall be of a uniform, easily cleaned, impervious material.
- Hose bibs shall be provided to facilitate flushing of the spray pad and deck area. If existing hose bibs are available they must be located within 50' of the splash pad.
- There shall be no ponding of water within the splash zone.
- The spray devices must be designed, constructed and installed so that they do not create a safety hazard. Nozzles that spray from the ground level must be flush with the ground, with openings no greater than one-half inch. Spray devices that extend above the ground must be high enough so they can be clearly seen and are not a trip hazard.
- The recirculation pump must be in operation at all times that the spray ground is open for use and a minimum four (4) turnovers prior to opening for proper disinfection and filtration.
- Artificial lighting is to be provided so that all portions of the spray ground and deck may be easily seen. A minimum 3 foot-candles (f.c.) of artificial light shall be provided, measured 30" from the deck, at all spray pads which are used at night or which do not have adequate natural lighting.
- The total volume in the reservoir, including all piping, must be at least 4,000 gallons. The volume in the reservoir, including all piping, must be a minimum of 3 times the flow rate of all attraction pumps and the recirculation pump combined (e.g. if the flow rate of all pumps is 2,000 gpm, a volume of at least 6,000 gallons would be needed). The turnover rate shall not exceed 30 minutes.
- An adequate number of sanitary facilities shall be provided for all spray grounds. These facilities shall include restrooms, showers and drinking fountains.
- The suction piping intake of the water features' pump in the reservoir must not be located in the immediate vicinity of the suction intake of the recirculation pump. It must be located as close as possible to the recirculation return line. The location of inlets shall facilitate good circulation of water to all areas of the reservoir.
- The suction intake from the recirculation pump must be located in the lowest portion of the reservoir. An overflow pipe to convey excess water to waste through a suitable air gap must be provided.
- The spray pad reservoir shall be constructed of materials which are corrosion resistant, nontoxic, and watertight such as concrete, fiberglass, or stainless steel, which can withstand all anticipated loads under full and empty conditions. The reservoir design shall be wet stamped by a California Registered Structural Engineer. Reservoir floors shall be smooth to facilitate vacuuming of silt and debris.
- A potable water source shall be provided with an automatic water level controller for the spray pad reservoir. The makeup water shall be introduced into the spray pad reservoir through an air gap or by another method which will prevent back flow and back-siphonage.
- The reservoir must be designed to have easy access for cleaning and inspection. Reservoir shall have at least one ladder access. Provide one three foot by three foot (3X3) access opening for every six (6) ft. of reservoir length. Lids shall be locked or require a tool to open.

- The reservoir must be designed to have easy access for cleaning and inspection. Reservoir shall have at least one ladder access. Provide one three foot by three foot (3X3) access opening for every six (6) ft. of reservoir length. Lids shall be locked or require a tool to open.
- A free chlorine residual of at least 3.0 ppm and pH of 7.2 - 7.6 must be maintained at all times the fountain is in operation. This level must be present as measured at the spray ground features. An automatic controller shall be provided for continuously monitoring and adjusting the disinfectant and pH. The spray ground feature pump must be provided with an automatic shut-off that shuts down the feature pump if the chemical controller registers a reading below 650mv.
- U.V. light disinfection units:**
 - Treatment systems shall include an ultraviolet disinfection system unless another treatment process is provided that has been determined by the State Department of Public Health to be capable of providing the equivalent level of reduction of cryptosporidium as the ultraviolet light disinfection system specified in this section. All water that is provided to the spray pad shall be treated with ultraviolet light during spray pad operation. The ultraviolet light unit validated dosage shall be equivalent to 40mj/cm² or greater at the end of lamp life.
 - All ultraviolet light units must be validated. The validation process must determine the ultraviolet light unit's disinfection performance by indicating that a dose of 40mj/cm² (at end of lamp life) is achieved at a flow rate equal to or greater than the design flow rate at the set point intensity. Validation testing must be performed by an independent agency.
 - An accurately calibrated ultraviolet light intensity meter, properly filtered to restrict its sensitivity to the disinfection spectrum shall be installed in the wall of the disinfection chamber at the point of greatest water depth from the tube or tubes.
 - The unit shall be designed to protect the operator against electrical shock or excessive radiation.
 - UV systems must be certified to NSF standards 50.
 - A spare ultraviolet lamp and other necessary equipment to affect prompt repair by qualified personnel properly instructed in the operation and maintenance of the equipment shall be provided on-site.
 - The ultraviolet light unit shall be located between the spray pad water feature pump discharge and the spray features.
 - The UV systems must be equipped with an automatic shutdown feature to inactivate the water feature pump if the UV dosage rate drops below 40 ml/cm².
- A diverter valve shall be installed on the spray ground drainage piping before the reservoir to divert rain water to the storm drainage system when the splash ground is closed for the season.
- A removable and cleanable catch screen or basket shall be installed on the spray ground drainage pipe before it enters the reservoir to prevent larger debris from collecting in the reservoir.
- Each spray ground must be provided with one or more signs stating:

CAUTION:
WATER IS RECIRCULATED
DO NOT DRINK

4" lettering must be provided. Signs must be visible from any part of the spray ground.

Under age children sign with lettering not less than 1 inch high indicating:

CHILDREN UNDER THE AGE OF 14 SHOULD NOT USE
SPLASH PAD WITHOUT AN ADULT IN ATTENDANCE

Emergency telephone number sign; 4" lettering must be provided for 911, 1" lettering may be provided for the rest of the sign:

EMERGENCY NUMBER
911
NEAREST EMERGENCY SERVICE:
EMERGENCY ROOM AT DIGNITY HEALTH MERCY HOSPITAL
SOUTHWEST: EMERGENCY ROOM
400 OLD RIVER ROAD, BAKERSFIELD, CA 93311
(661) 663-6000

SPRAYGROUND NAME:
NORTH SHAFTER PARK SPRAYGROUND

SPRAYGROUND ADDRESS:
904 WAGNER STREET, SHAFTER, CA 93263

Diarrhea sign with letters no less than 1 inch high indicating:

PERSONS HAVING CURRENTLY ACTIVE DIARRHEA OR WHO HAVE HAD
ACTIVE DIARRHEA WITHIN THE PREVIOUS 14 DAYS SHALL NOT BE
ALLOWED TO ENTER THE SPLASH PAD

ABBREVIATIONS

AR	AIR RELEASE
AIR/VAC	AIR RELEASE AND VACUUM RELIEF
APP EQ	APPROVED EQUAL
BL	BALL VALVE
BF	BIOFILTER
BLDG	BUILDING
BV	BUTTERFLY VALVE
CFM	CUBIC FEET PER MINUTE
CONC	CONCRETE
CONT	CONTINUOUS
CUFT	CUBIC FEET
CV	CHECK VALVE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
EW	EACH WAY
EOP	EDGE OF PAVEMENT
EL	ELEVATION
ENG'G	ENGINEERING
EQ	EQUALIZER
FF	FINISH FLOOR
FFE	FINISHED FLOOR ELEVATION
FG	FINISH GRADE
FLG	FLANGE
FT	FEET
GA	GAUGE
GAL	GALLONS
GFI	GROUND FAULT INTERRUPTER
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HP	HORSE POWER
HT	HEIGHT
HZ	HERTZ
IE	INVERT ELEVATION
IN	INCHES
IRR	IRRIGATION
LF	LINEAR FEET
MFR	MANUFACTURER
MAX	MAXIMUM
MG	MILLION GALLON
MIN	MINIMUM
NTS	NOT TO SCALE
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
OWS	OPERATING WATER SURFACE
PCF	POUNDS PER CUBIC FOOT
PSI	POUNDS PER SQUARE INCH
PS	PUMP STATION
RB	REDUCING BUSHING
REINF	POINT OF CONNECTION
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SCH	SCHEDULE
SF	SQUARE FEET
SPECS	SPECIFICATION
SS	STAINLESS STEEL
SWS	STATIC WATER SURFACE
THK	THICK
TOF	TOP OF FOOTING
TOS	TOP OF SLAB
TOW	TOP OF WALL
TDH	TOTAL DYNAMIC HEAD
TYP	TYPICAL
V	VOLTS
WS	WATER SURFACE
WP	WETLAND PLANTER
WQF	WATER QUALITY FILTER

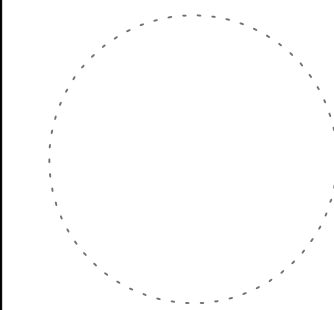
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NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:



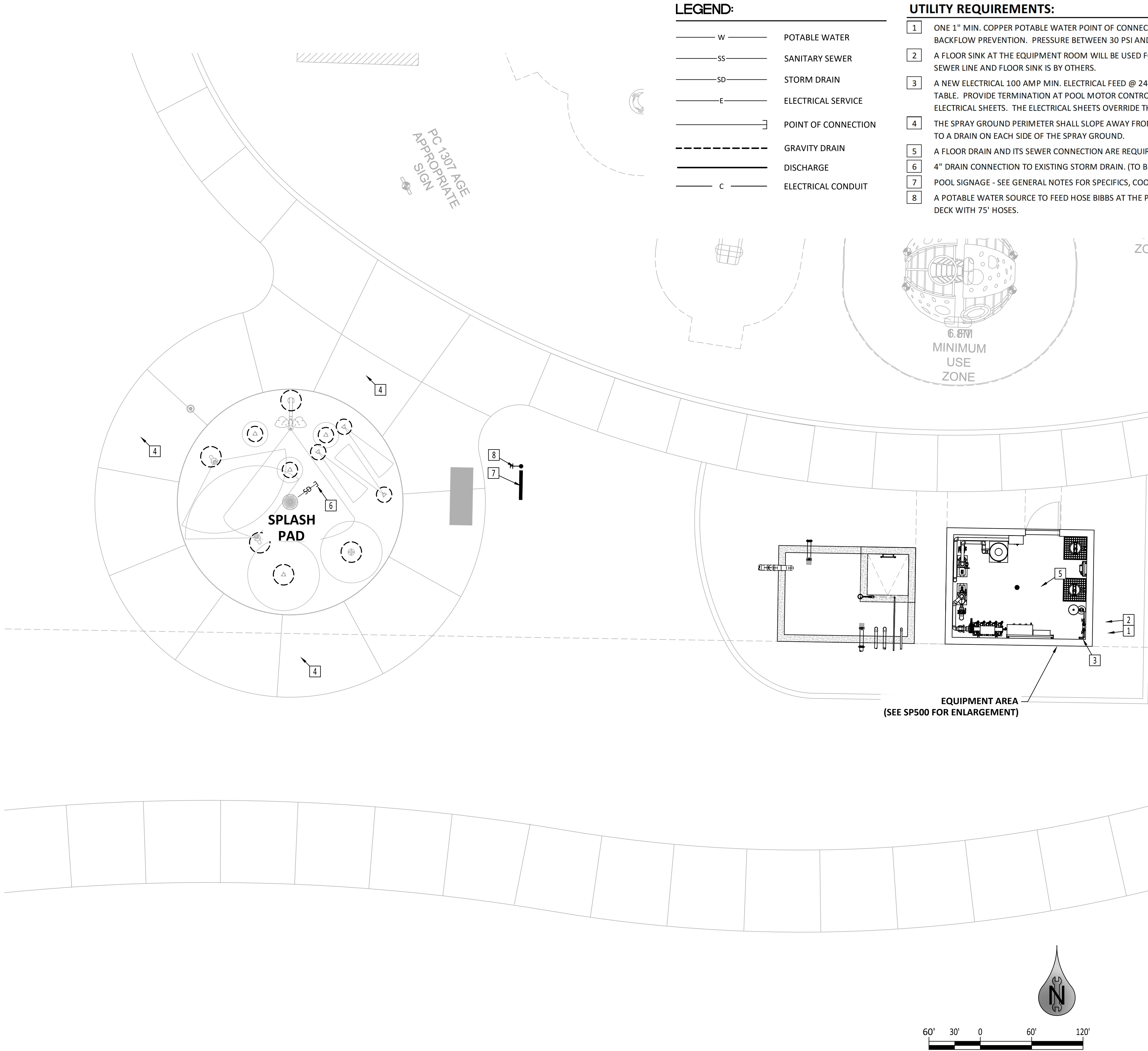
ISSUE / REVISION:	DATE:
ISSUED 100% CD'S	07/01/2024

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DRAWN BY: K.DESJARLAIS	SHEET SIZE: 24" x 36"
CHECKED BY: P.MORELLI	SCALE: AS SHOWN
SHEET TITLE:	

GENERAL NOTES

SHEET NUMBER:

SP-1.01



1 UTILITY COORDINATION PLAN
SCALE: 1" = 60'-0"

LEGEND:

- W POTABLE WATER
- SS SANITARY SEWER
- SD STORM DRAIN
- E ELECTRICAL SERVICE
- POINT OF CONNECTION
- GRAVITY DRAIN
- DISCHARGE
- C ELECTRICAL CONDUIT

UTILITY REQUIREMENTS:

- 1 ONE 1" MIN. COPPER POTABLE WATER POINT OF CONNECTION WILL BE REQUIRED AT THE PUMP STATION WITH PROPER BACKFLOW PREVENTION. PRESSURE BETWEEN 30 PSI AND 50 PSI. (BY OTHERS)
- 2 A FLOOR SINK AT THE EQUIPMENT ROOM WILL BE USED FOR THE CLEANING OF THE POOL FILTER MEDIA. THE SANITARY SEWER LINE AND FLOOR SINK IS BY OTHERS.
- 3 A NEW ELECTRICAL 100 AMP MIN. ELECTRICAL FEED @ 240, 1Ø, 3 WIRE IS REQUIRED PER THE POWER REQUIREMENT TABLE. PROVIDE TERMINATION AT POOL MOTOR CONTROL PANEL IN THE PUMP STATION. VERIFY REQUIREMENTS WITH ELECTRICAL SHEETS. THE ELECTRICAL SHEETS OVERRIDE THIS SHEET FOR CALCULATIONS. (BY OTHERS)
- 4 THE SPRAY GROUND PERIMETER SHALL SLOPE AWAY FROM SPRAY GRAOUND AT 1/4" PER FOOT MIN. TO A DRAIN ON EACH SIDE OF THE SPRAY GROUND.
- 5 A FLOOR DRAIN AND ITS SEWER CONNECTION ARE REQUIRED IN THE EQUIPMENT ROOM.
- 6 4" DRAIN CONNECTION TO EXISTING STORM DRAIN. (TO BE BROUGHT WITHIN 5' BY OTHERS)
- 7 POOL SIGNAGE - SEE GENERAL NOTES FOR SPECIFICS, COORDINATE LOCATION WITH OWNER/ARCHITECT.
- 8 A POTABLE WATER SOURCE TO FEED HOSE BIBBS AT THE POOL DECK. HOSE BIBBS MUST BE ABLE TO REACH THE ENTIRE DECK WITH 75' HOSES.

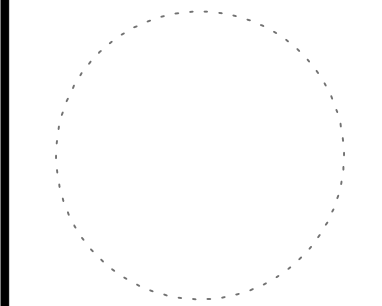
PROJECT:

NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:



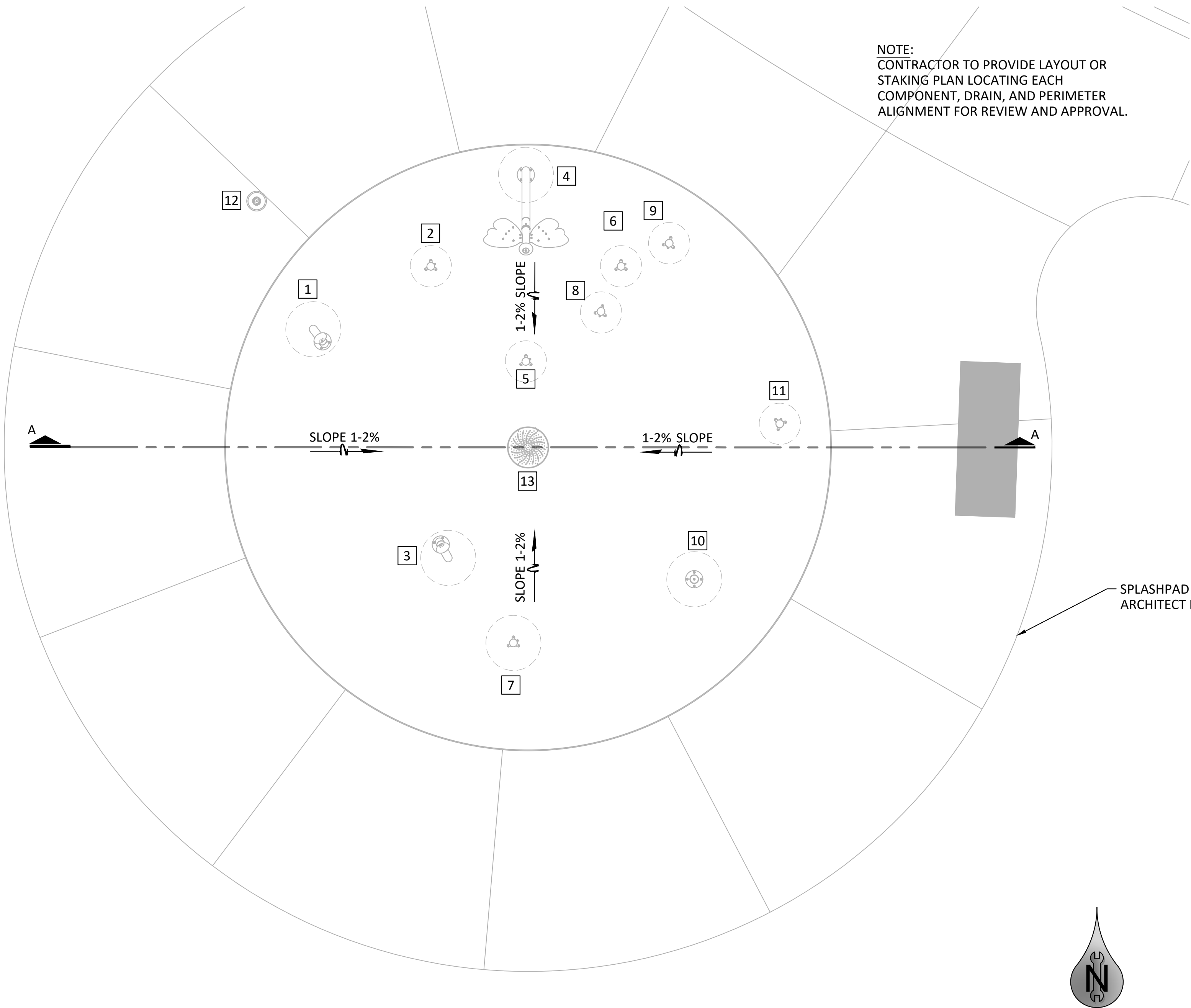
ISSUE / REVISION:	DATE:
ISSUED 100% CD'S	07/01/2024

JOB NO.: 22077	DATE: 08/28/2023
DRAWN BY: K.DESJARLAIS	SHEET SIZE: 24" x 36"
CHECKED BY: P.MORELLI	SCALE: AS SHOWN

SHEET TITLE:
UTILITY COORDINATION PLAN

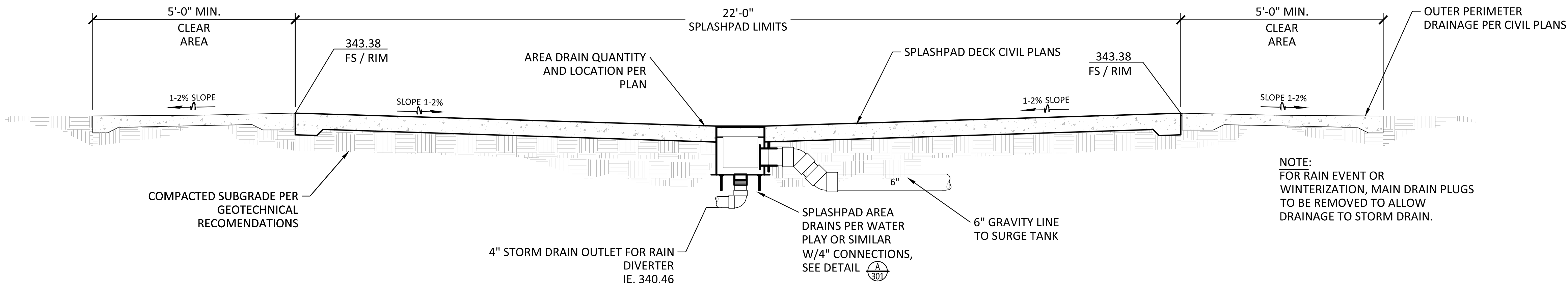
SHEET NUMBER:

SP-1.02



COMPONENTS			FLOW RATE	PRESSURE	MINIMUM LINE
LEG	COMPONENT NAME	QTY	(GPM)	(PSI)	SIZE (INCHES)
1	WIGGLY NON-ROTATIONAL	1	3	5	1
2	GS: STRAIGHT UP	1	6	6	1
3	FS: WIGGLY	1	3	5	1
4	FS: PAPILLON	1	11	5	1
5	GS: STRAIGHT UP	1	6	6	1
6	GS: STRAIGHT UP	1	6	6	1
7	GS: CONFETTI SPRAY	1	5	4	1
8	GS: TIDAL WAVE	1	13	2	1
9	GS: TIDAL WAVE	1	13	2	1
10	FS: FUN-BRELLA	1	14	2	1
11	GS: TIDAL WAVE	1	13	2	1
12	PLAYPHASE FOOT ACTIVATOR	1			
13	CUSTOM DRAIN CIRCULAR	1			
TOTAL		13	93		

1 SPLASH PAD PLAN
SCALE: 3/8" = 1'-0"



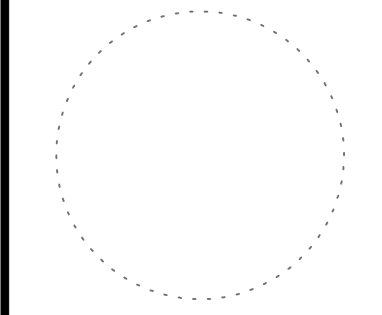
2 SPLASH PAD - SECTION "A"
SCALE: 1/2" = 1'-0"

PROJECT:
**NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263**

W.F. CONTRACTOR:

CALIFORNIA WATERS
23311 E. La Palma Ave. Yorba Linda, CA 92887
Tel: (949) 528-0900 Fax: (949) 528-0910
www.californiawaters.com

ENGINEERING STAMP:

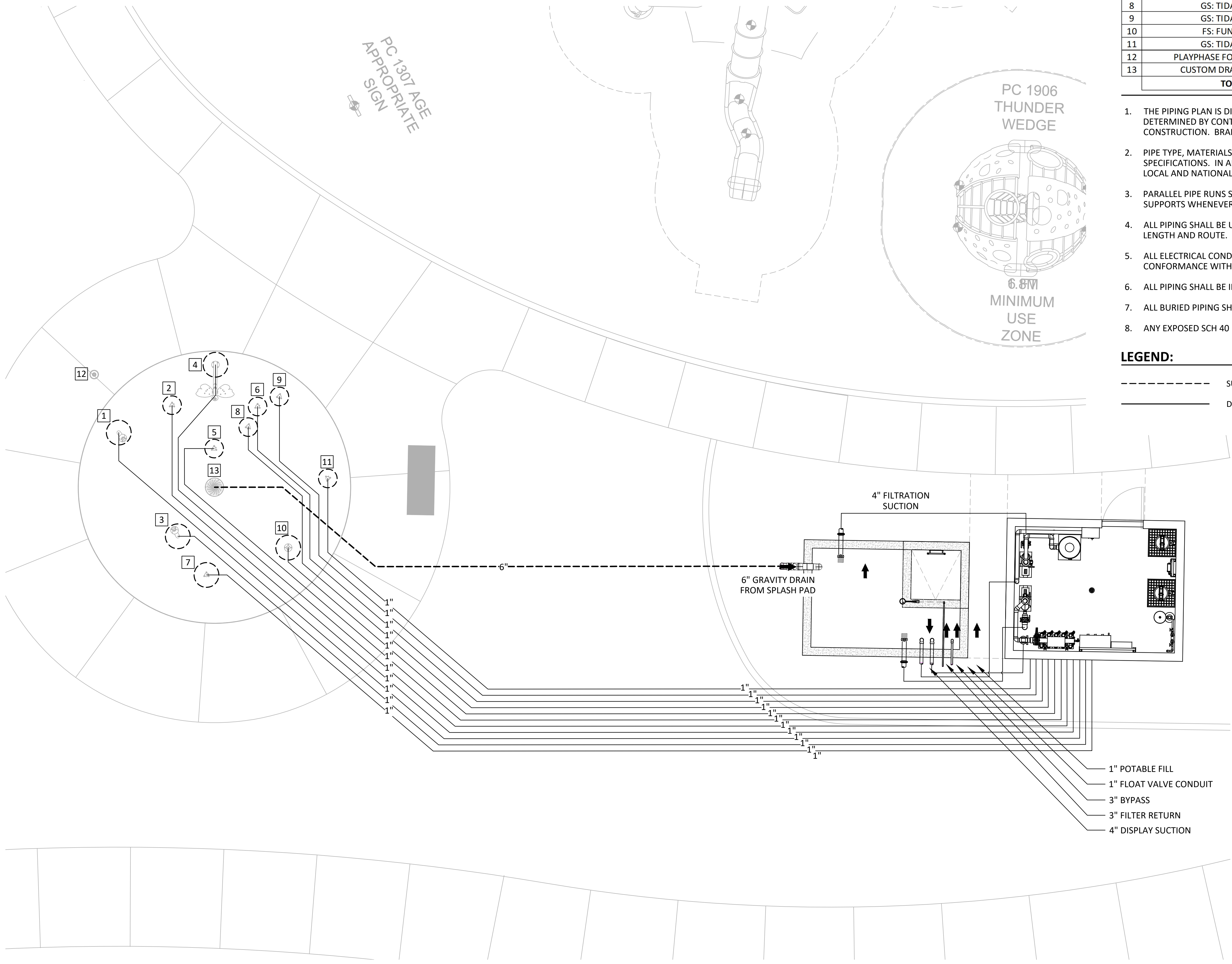


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22077	08/28/2023
DRAWN BY:	SHEET SIZE:
K.DESJARLAIS	24" x 36"
CHECKED BY:	SCALE:
P.MORELLI	AS SHOWN

SHEET TITLE:
SPLASH PAD PLAN AND SECTIONS

SHEET NUMBER:
SP-2.00



COMPONENTS			FLOW RATE	PRESSURE	MINIMUM LINE
LEG	COMPONENT NAME	QTY	(GPM)	(PSI)	SIZE (INCHES)
1	WIGGLY NON-ROTATIONAL	1	3	5	1
2	GS: STRAIGHT UP	1	6	6	1
3	FS: WIGGLY	1	3	5	1
4	FS: PAPILLON	1	11	5	1
5	GS: STRAIGHT UP	1	6	6	1
6	GS: STRAIGHT UP	1	6	6	1
7	GS: CONFETTI SPRAY	1	5	4	1
8	GS: TIDAL WAVE	1	13	2	1
9	GS: TIDAL WAVE	1	13	2	1
10	FS: FUN-BRELLA	1	14	2	1
11	GS: TIDAL WAVE	1	13	2	1
12	PLAYPHASE FOOT ACTIVATOR	1			
13	CUSTOM DRAIN CIRCULAR	1			
TOTAL		13	93		

- THE PIPING PLAN IS DIAGRAMMATIC. ROUTING AND FINAL LAYOUT TO BE FIELD DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION. BRANCHES TO BE HYDRAULICALLY BALANCED.
- PIPE TYPE, MATERIALS, AND SUPPORTS SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN ADDITION, PIPE SHALL BE IN CONFORMANCE WITH CBC, CPC, LOCAL AND NATIONAL BUILDING CODE REQUIREMENTS.
- PARALLEL PIPE RUNS SHALL BE INSTALLED WITHIN COMMON TRENCHES AND OR PIPE SUPPORTS WHENEVER POSSIBLE.
- ALL PIPING SHALL BE UNIFORMLY AND CONTINUOUSLY SUPPORTED OVER ITS ENTIRE LENGTH AND ROUTE.
- ALL ELECTRICAL CONDUITS SHALL BE INSTALLED USING SWEEP FITTINGS IN CONFORMANCE WITH LOCAL AND NATIONAL BUILDING CODES.
- ALL PIPING SHALL BE INSTALLED WITH A SLIGHT SLOPE BACK TO EQUIPMENT ROOM.
- ALL BURIED PIPING SHALL BE SCH 40 PVC UNLESS NOTED OTHERWISE.
- ANY EXPOSED SCH 40 PVC PIPING SHALL BE PAINTED WITH UV RESISTANT PAINT.

LEGEND:

- SUCTION / GRAVITY DRAIN
- DISCHARGE

- 1" POTABLE FILL
- 1" FLOAT VALVE CONDUIT
- 3" BYPASS
- 3" FILTER RETURN
- 4" DISPLAY SUCTION

1 SPLASHPAD PIPING PLAN
SCALE: 1/4" = 1'-0"

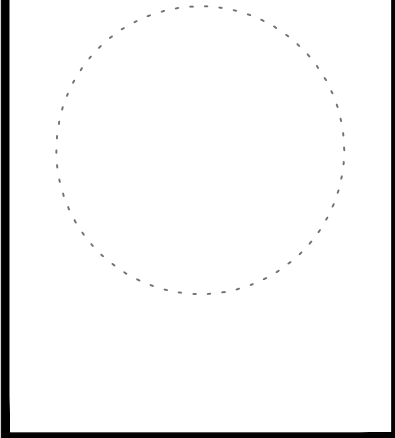
PROJECT:

NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:


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08/28/2023

DRAWN BY:
K.DESJARLAIS

SHEET SIZE:
24" x 36"

CHECKED BY:
P.MORELLI

SCALE:
AS SHOWN

SHEET TITLE:
SPLASH PAD PIPING
PLAN

SHEET NUMBER:

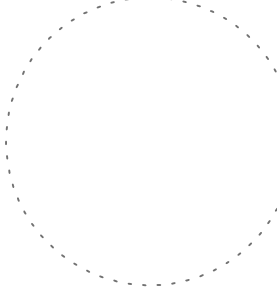
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PROJECT:
**NORTH SHAFTER PARK
SPRAY GROUND**
**904 WAGNER STREET
SHAFTER, CA 93263**

W.F. CONTRACTOR:

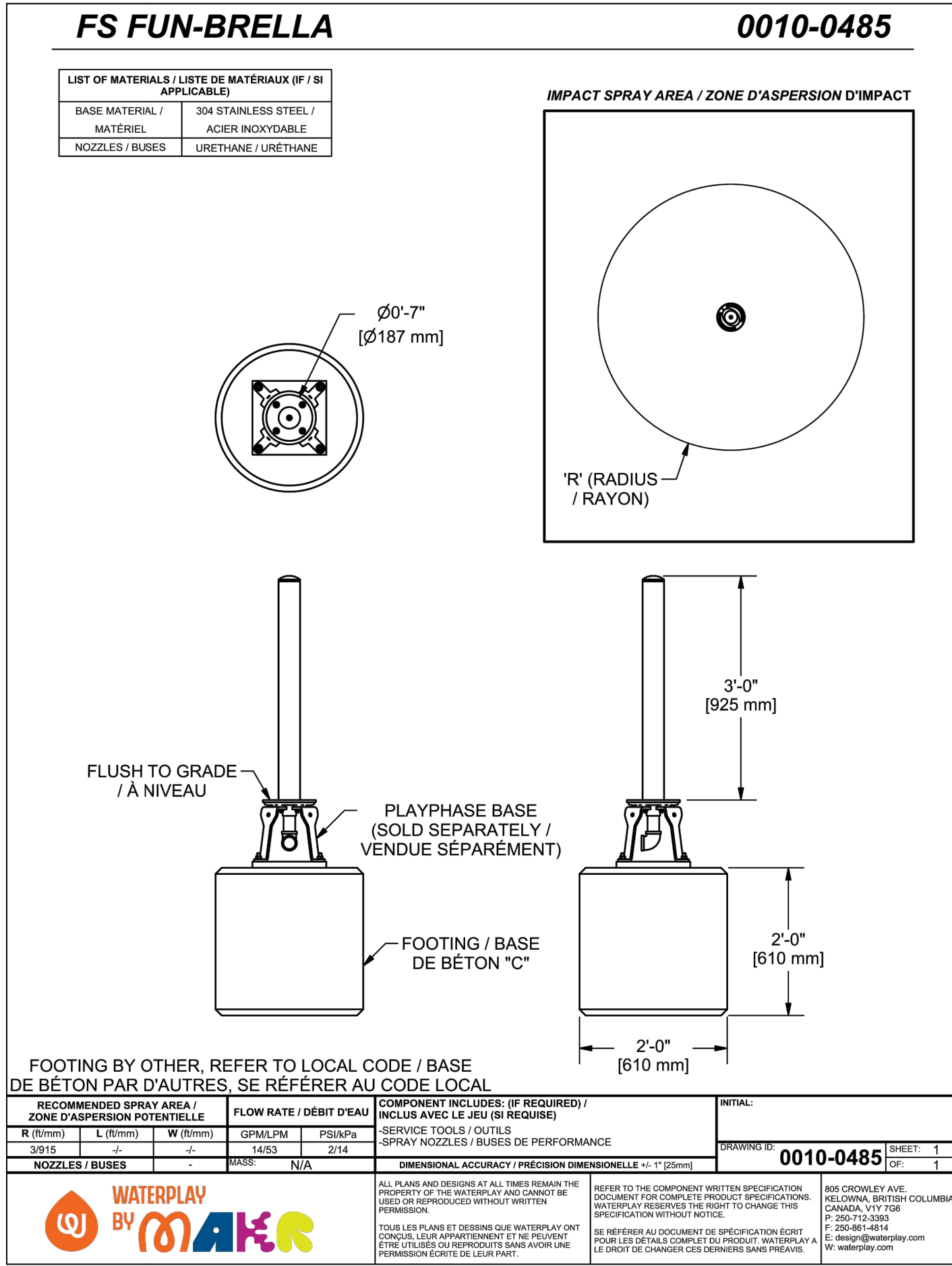
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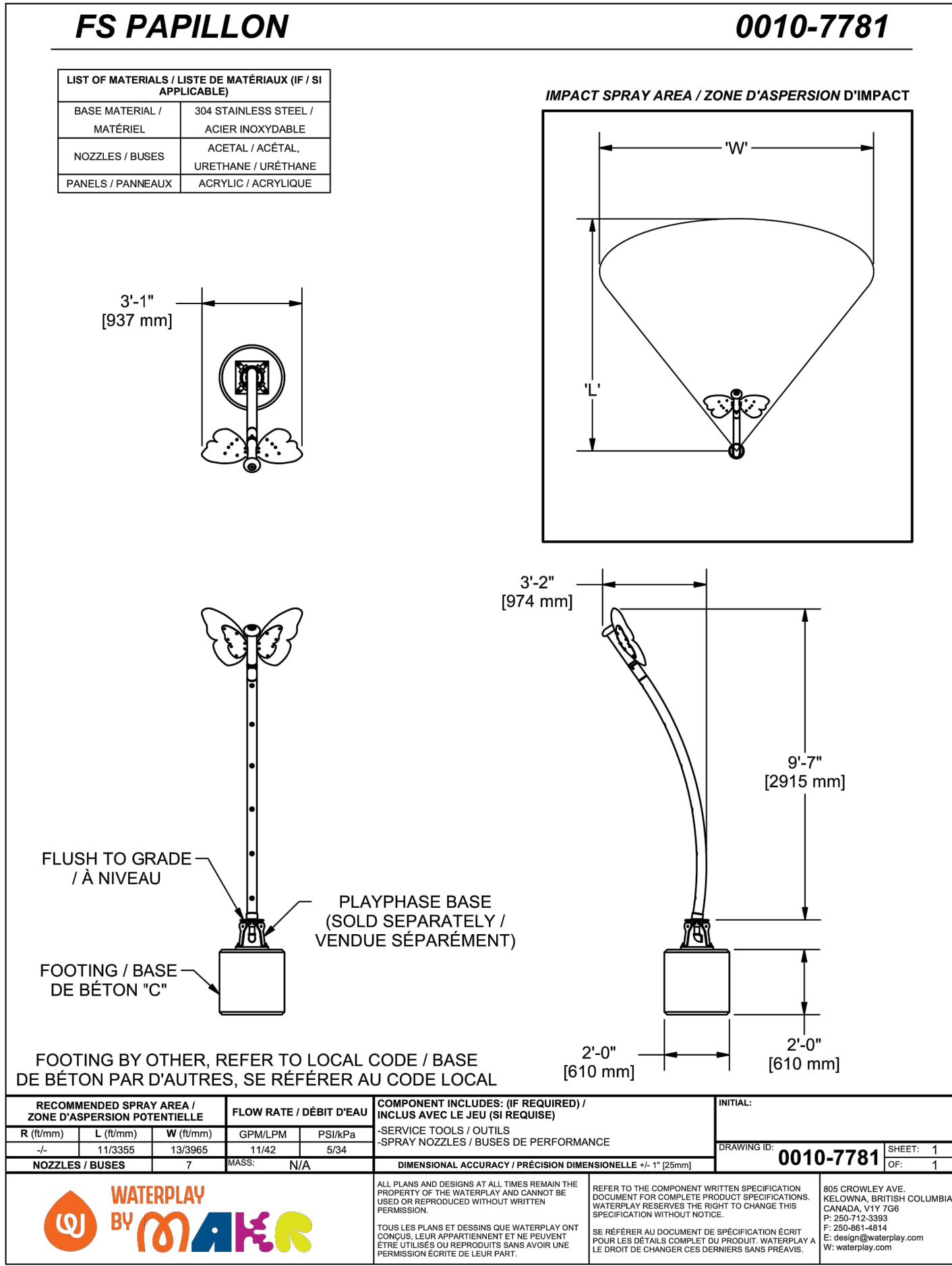
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JOB NO.:	DATE:
22077	08/28/2023
DRAWN BY:	SHEET SIZE:
K.DESJARLAIS	24" x 36"
CHECKED BY:	SCALE:
P.MORELLI	AS SHOWN
SHEET TITLE:	
SPLASH PAD RENDERING	

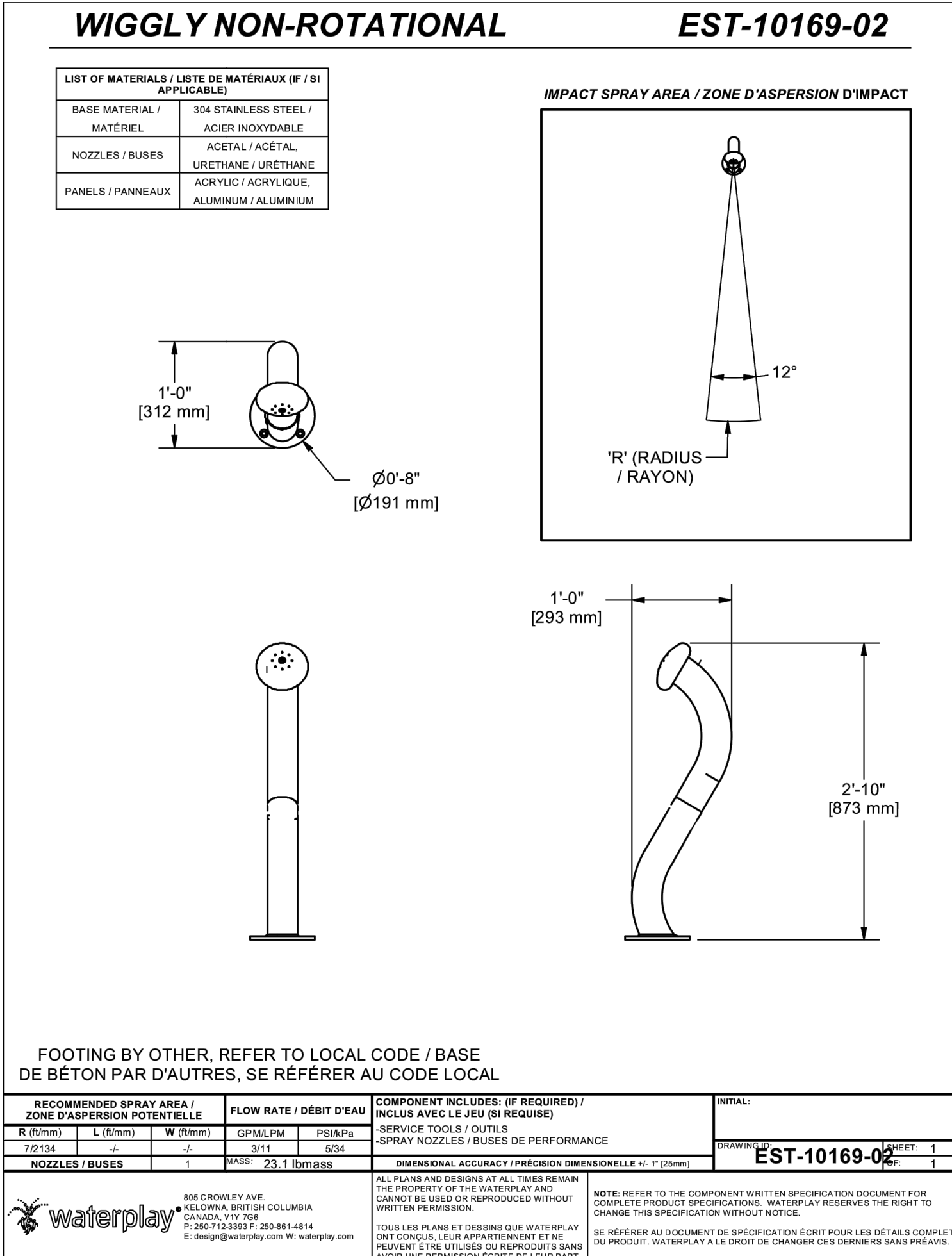
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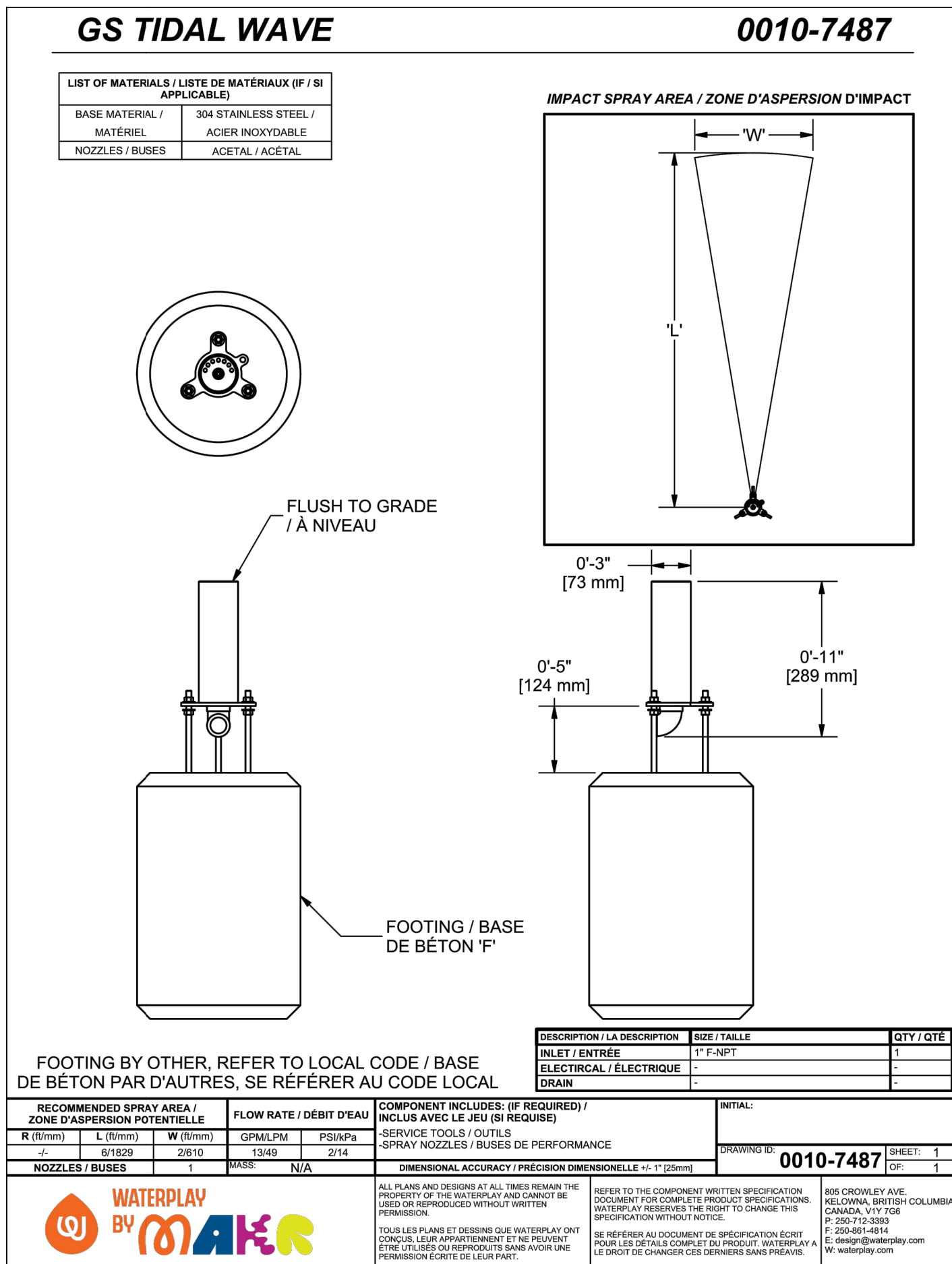
A FS FUN-BRELLA
SCALE: NTS



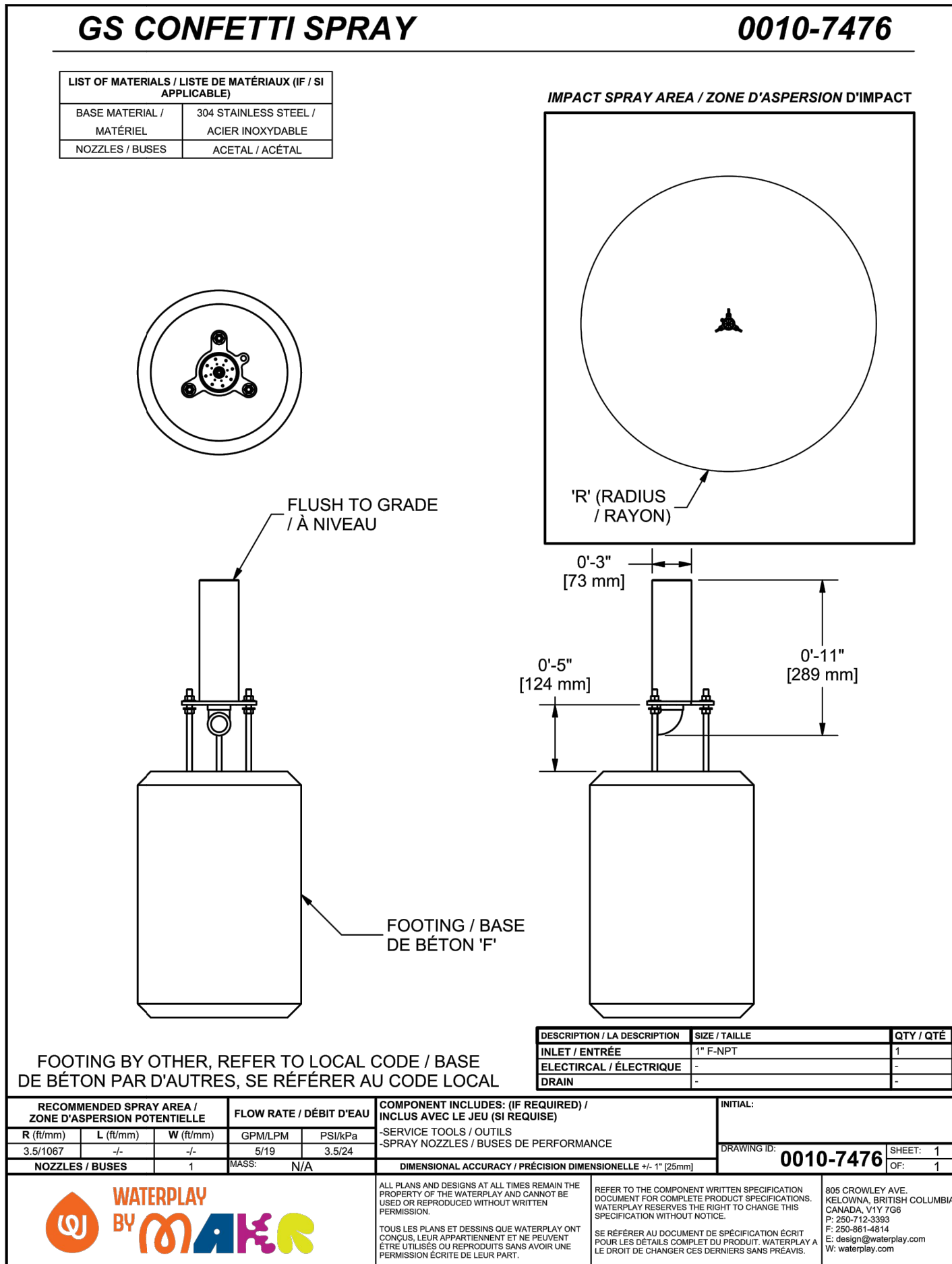
B FS PAPILLON
SCALE: NTS



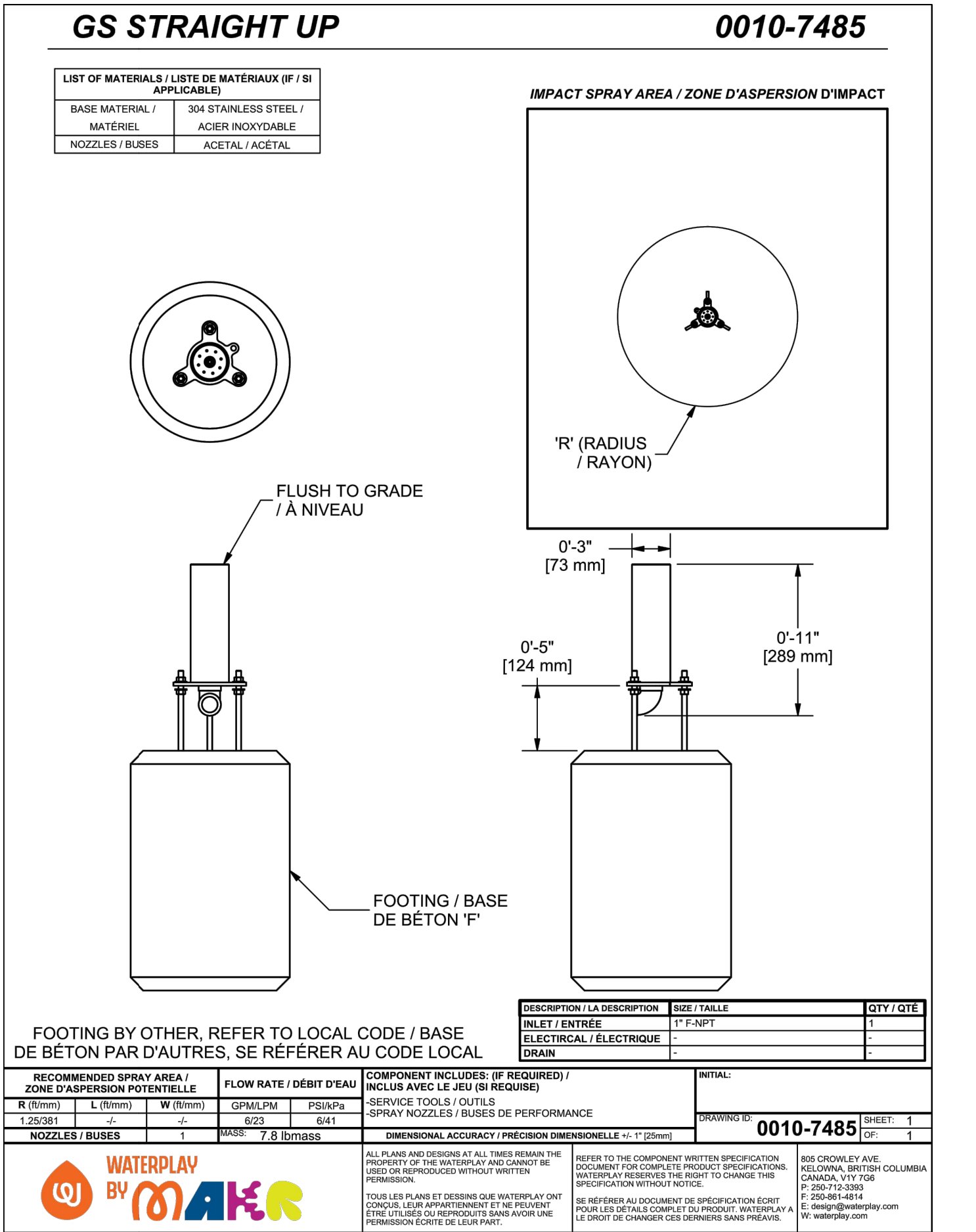
C WIGGLY NON ROTATIONAL
SCALE: NTS



D GS TIDAL WAVE
SCALE: NTS



E GS CONFETTI SPRAY
SCALE: NTS



F GS STRAIGHT UP
SCALE: NTS

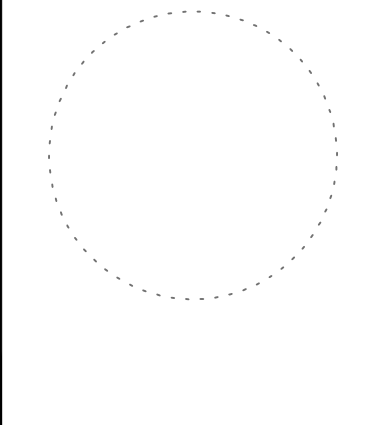
PROJECT:

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SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:



ISSUE / REVISION: DATE:

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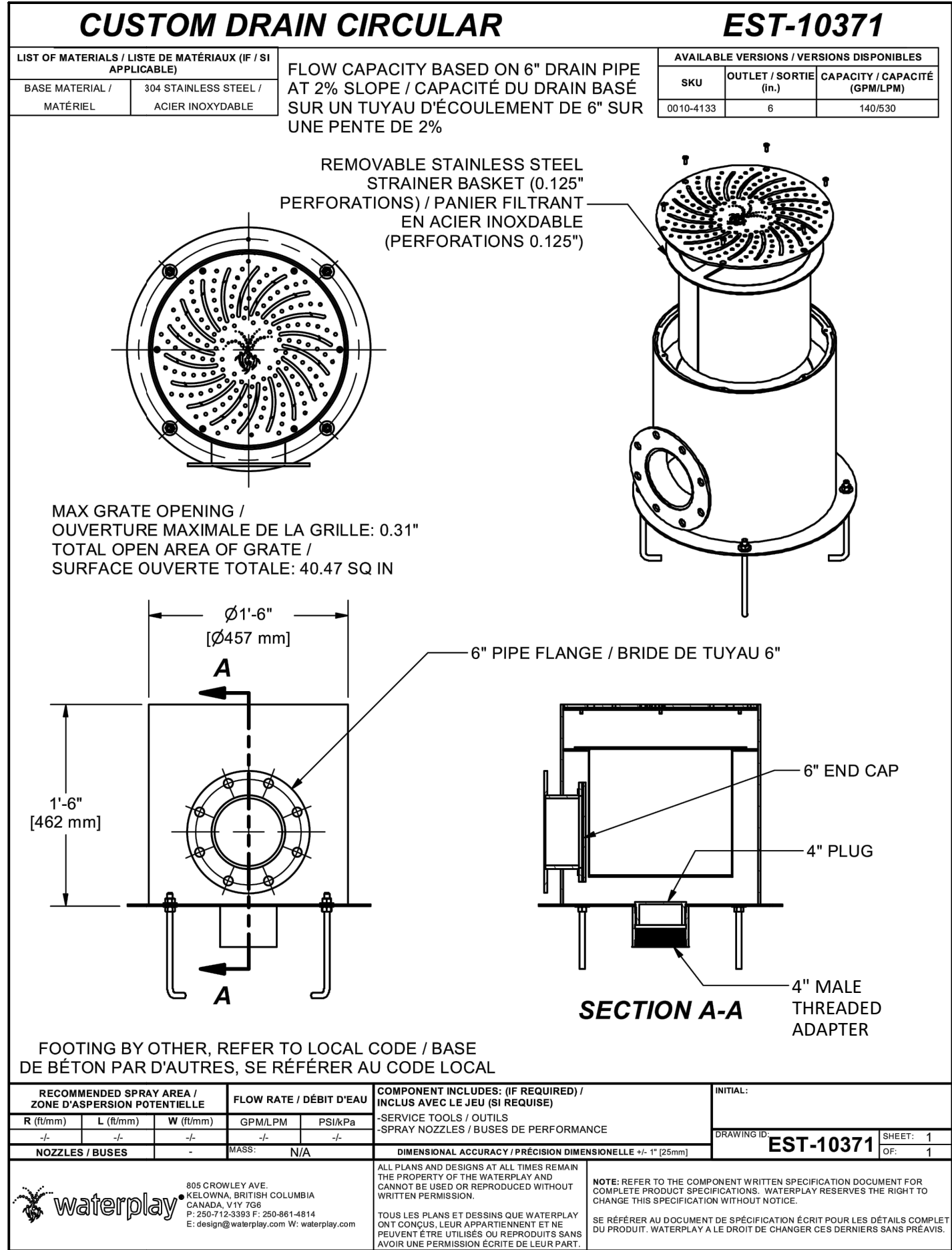
JOB NO.: 22077 DATE: 08/28/2023
DRAWN BY: K.DESJARDIS SHEET SIZE: 24"x 36"
CHECKED BY: P.MORELLI SCALE: AS SHOWN

SHEET TITLE:

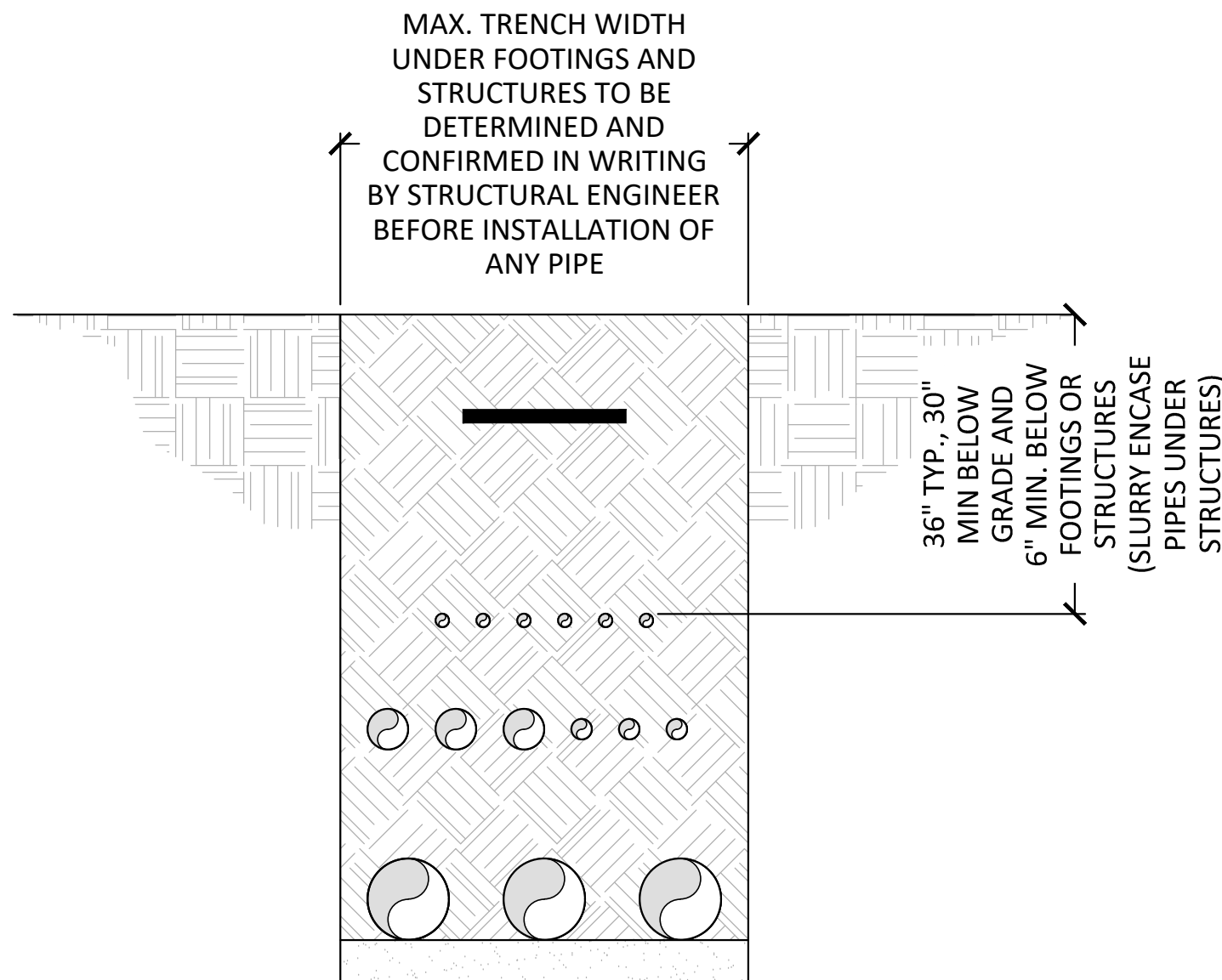
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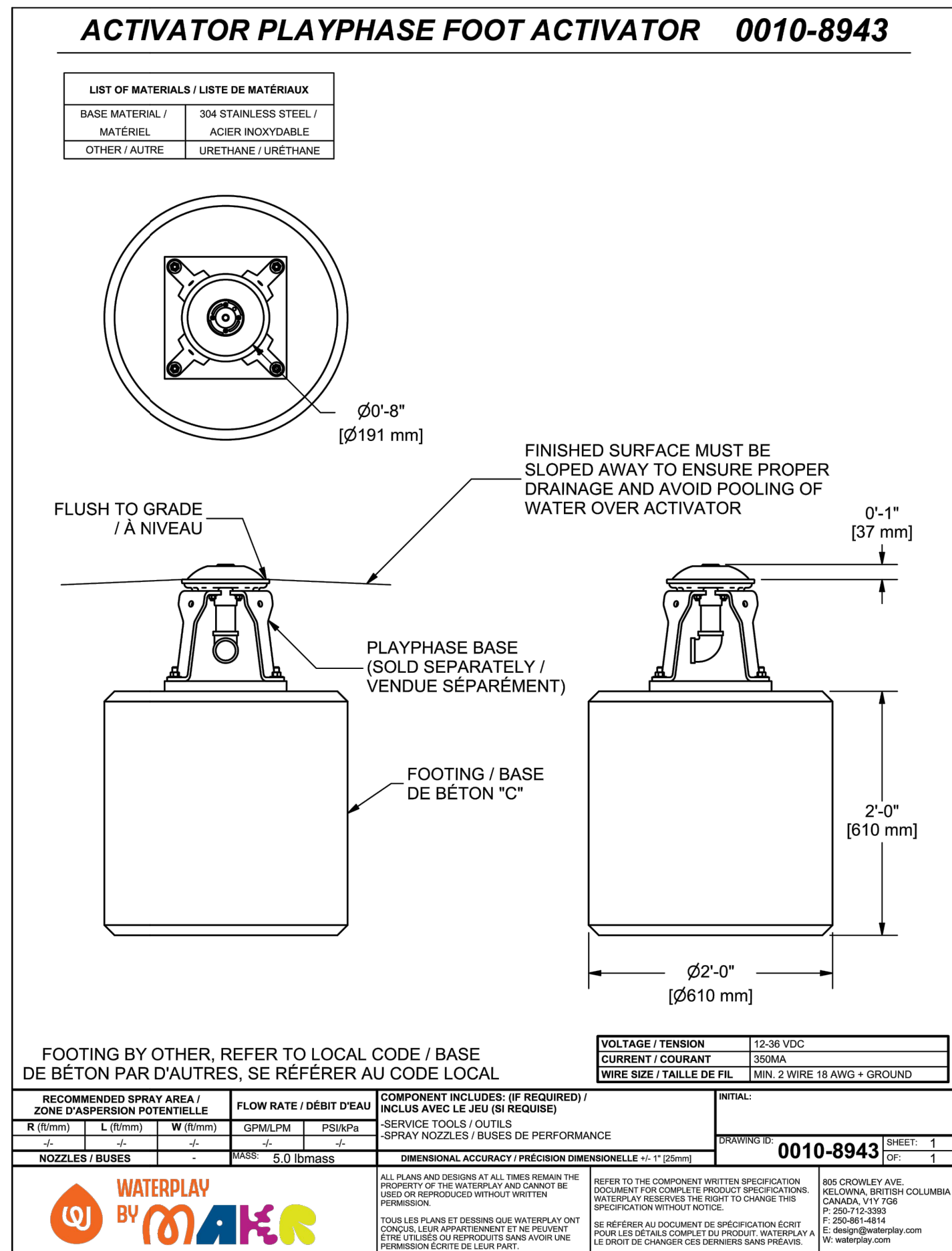
SP-3.00



A CUSTOM DRAIN CIRCULAR
SCALE: NTS



C TYPICAL TRENCH SECTION
SCALE: NTS



B PLAY PHASE ANCHOR
SCALE: NTS

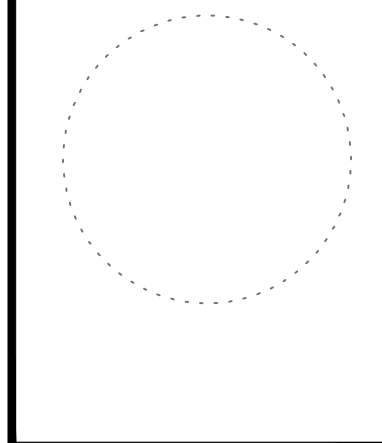
PROJECT:

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904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



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DRAWN BY: K.DESJARLAIS	SHEET SIZE: 24" x 36"
CHECKED BY: P.MORELLI	SCALE: AS SHOWN
SHEET TITLE: DETAILS	

SHEET NUMBER:

SP-3.01

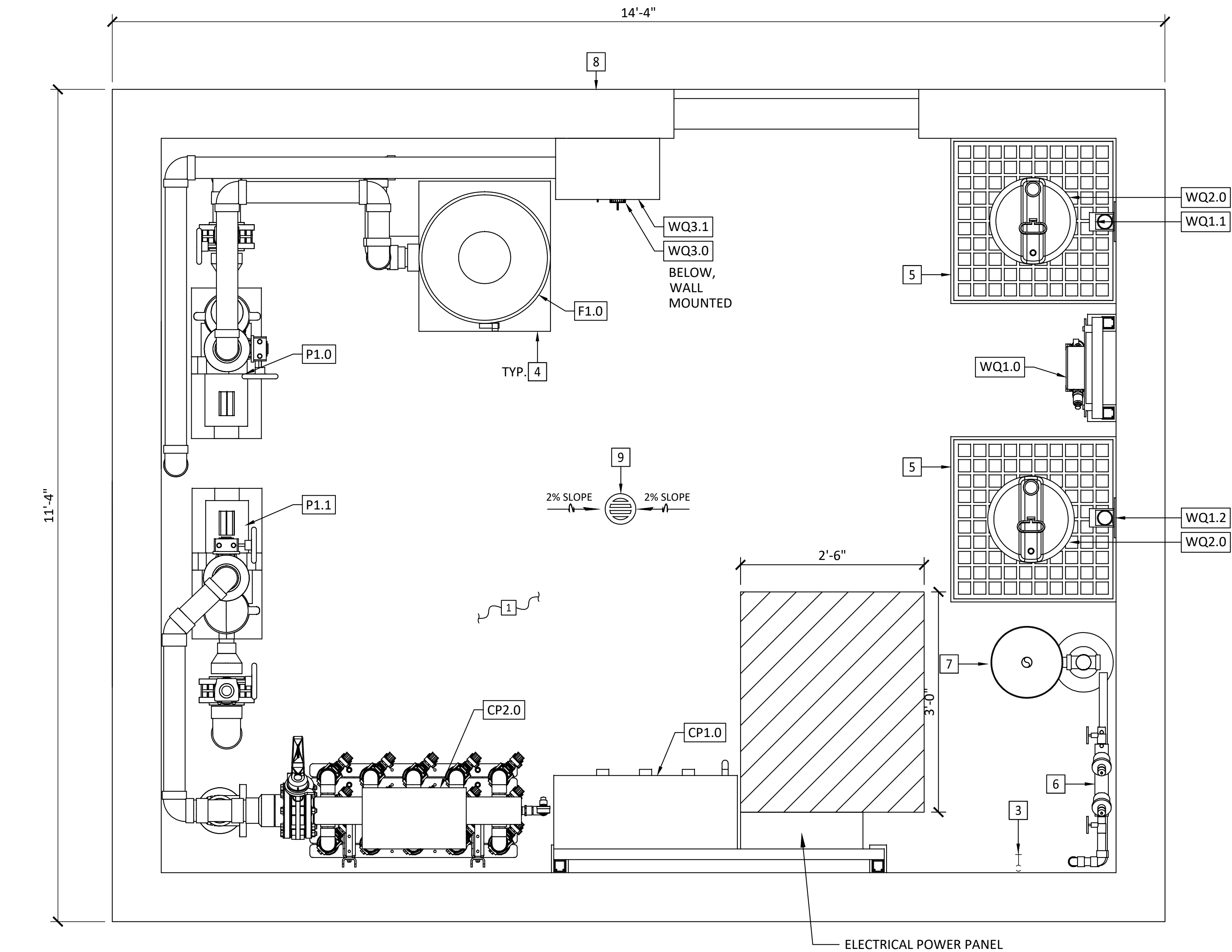


SYMBOL	DESCRIPTION
	Y STRAINER
	FLOW DIRECTION
	PRESSURE TRANSMITTER
	PRESSURE GAUGE
	VACUUM SWITCH
	3 WAY CONTROL VALVE (AUTOMATED)
	FLOW SENSOR
	FLOW METER
	FLOW TRANSMITTER
	FLOAT VALVE
	GATE VALVE
	REDUCER
	GLOBE VALVE
	BALL VALVE
SYMBOL	DESCRIPTION
	BUTTERFLY VALVE
	CHECK VALVE
	SOLENOID VALVE
	MOTOR OPERATED VALVE
	UNION CONNECTION
	FLANGE CONNECTION
	PLUG OR CAP
	SIGHT GLASS
	PIPE
	ELECTRICAL WIRE
	PRESSURE SUSTAINING VALVE
	PIPE CONNECTION AS INDICATED
	ELECTRICAL CONNECTION AS INDICATED



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SP-4.00



1 SPLASH PAD PLAN
SCALE: 1" = 1'-0"



EQUIPMENT LIST			
ITEM TAG	QTY	DESCRIPTION	SPECIFICATION
P1.0	1	FILTRATION PUMP	PENTAIR INTELLIFLO MODEL NO. VS+SVRS, 134 GPM @ 60' TDH, 3 HP, 230V, 1PH, 16.0A, 47 LBS.
P1.1	1	DISPLAY PUMP	PENTAIR INTELLIFLO3 MODEL NO. VSF, 144 GPM @ 45' TDH, 3 HP, 230V, 1PH, 10.1A, 65 LBS.
F1.0	1	CARTRIDGE FILTER	PENTAIR CLEAN AND CLEAR, CCP420, 420.0 SF, 158 GPM, 691 LBS.
WQ1.0	1	CHEMICAL CONTROLLER	IPS CONTROLLERS, MODEL 920W-CA, 5A
WQ1.1	1	ACID DELIVERY	STENNER 45MP1, 3 GPD, 25 PSI (0.1 GPD REQUIRED), 120V, 1.7A
WQ1.2	1	CHLORINE DELIVERY	STENNER 45MP1, 3 GPD, 25 PSI (1.2 GPD REQUIRED), 120V, 1.7A
WQ2.0	1	CHLORINE STORAGE	PEABODY 15 GAL. DOUBLE WALL CONTAINMENT TANK, MODEL #01-28906, W/ ULINE PALLET MODEL #H-2762
WQ2.1	1	ACID STORAGE	PEABODY 15 GAL. DOUBLE WALL CONTAINMENT TANK, MODEL #01-28906, W/ ULINE PALLET MODEL #H-2762
WQ3.0	1	UV SYSTEM	EVOQUA UV, MODEL WF-115-3, 208V, 1PH, 20A
WQ3.1	1	UV CONTROL PANEL	INCLUDED WITH ETS UV UNIT
CP1.0	1	CONTROL PANEL	PER RSD TOTAL CONTROLS - ALAN PEARSON
CP2.0	1	WATER PLAY CONTROLLER	PER WATERPLAY
I1.0	1	FLOW METER	FLOWVIS H2FLOW METER, FLOW RATE AND SIZE PER PLAN
I2.0	2	PRESSURE GAUGE	McMASTER CARR, 2.5" PG/VG COMBO, 0-60 PSI, 0-30 HG, MODEL #38545K1
I3.0	2	VACUUM GAUGE	McMASTER CARR, 2.5" PG/VG COMBO, 0-60 PSI, 0-30 HG, MODEL #38545K1
ST1.0	1	SURGE TANK	4000 GALLON, CAST IN PLACE, ???, CONCRETE SURGE TANK
ST1.1	1	SURGE TANK FILL VALVE	McMASTER CARR, 1" BRASS FLOAT VALVE, LEAD FREE, MODEL #4461K64

- KEY NOTES:**
- 6" THICK CONCRETE PAD, SLOPE TO FLOOR DRAINS @ 1/4" PER FOOT
 - 4' X 4' ACCESS HATCH WITH ARCHITECTURAL INLAY PER US FABRICATION, MODEL R-TPD OR EQUAL
 - HOSE BIB
 - HOUSE KEEPING PAD
 - CHEMICAL SPILL PALLET
 - BACKFLOW PREVENTER LOCATION (FOR REFERENCE) POTABLE WATER SUPPLY TO FEED HOSE BIBS LOCATED AT THE SPLASHPAD DECK AND THE EQUIPMENT AREA, EMERGENCY EYEWASH AND THE AUTO FILL VALVE FOR THE SURGE TANK, PRESSURE BETWEEN 30 PSI AND 50 PSI, WITH PROPER BACKFLOW PREVENTION (FOR REFERENCE ONLY).
 - EMERGENCY EYE WASH, TO SPILL ONTO ENCLOSURE FLOOR FOR DRAINAGE TO FLOOR DRAIN.
 - EQUIPMENT ROOM ENCLOSURE, INCLUDING ALL DRAINAGE, POWER FEED, ROOM LIGHTING AND ELECTRICAL OUTLETS (FOR REFERENCE ONLY)
 - EQUIPMENT ROOM ENCLOSURE, INCLUDING ALL DRAINAGE, POWER FEED, ROOM LIGHTING AND ELECTRICAL OUTLETS (FOR REFERENCE ONLY)
 - FLOOR DRAIN, COMPLETE WITH P-TRAP, TRAP ARM (FLAT-VENTED BELOW GRADE) & TRAP PRIMER

- PIPING NOTES:**
- THE PIPING PLAN IS DIAGRAMMATIC. ROUTING AND FINAL LAYOUT TO BE FIELD DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.
 - PIPE TYPE, MATERIALS, AND SUPPORTS SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN ADDITION, PIPE SHALL BE IN CONFORMANCE WITH CBC, CPC, LOCAL AND NATIONAL BUILDING CODE REQUIREMENTS.
 - GRAVITY DRAIN PIPING MUST SLOPE AT 1-2% MIN.
 - PARALLEL PIPE RUNS SHALL BE INSTALLED WITHIN COMMON TRENCHES AND OR PIPE SUPPORTS WHENEVER POSSIBLE.
 - ALL PIPING SHALL BE UNIFORMLY AND CONTINUOUSLY SUPPORTED OVER ITS ENTIRE LENGTH AND ROUTE.
 - ALL ELECTRICAL CONDUITS SHALL BE INSTALLED USING SWEEP FITTINGS IN CONFORMANCE WITH LOCAL AND NATIONAL BUILDING CODES.
 - ALL PIPING SHALL BE INSTALLED WITH A SLIGHT SLOPE BACK TO EQUIPMENT ROOM.
 - ALL BURIED PIPING SHALL BE SCH 40 PVC UNLESS NOTED OTHERWISE.

- CONSTRUCTION NOTES:**
- CONTRACTOR TO VERIFY ALL EQUIPMENT DIMENSIONS PRIOR TO PURCHASE AND INSTALLATION OF EQUIPMENT.
 - ALL PIPING TO BE SCH. 80 PVC U.N.O.
 - EQUIPMENT ROOM, LIGHTING, VENTILATION, AND ELECTRICAL OUTLETS BY OTHERS
 - DISPLAY PUMP AND FILTER PUMP SHALL BE ELECTRONICALLY INTERLOCKED.

PROJECT:

NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:

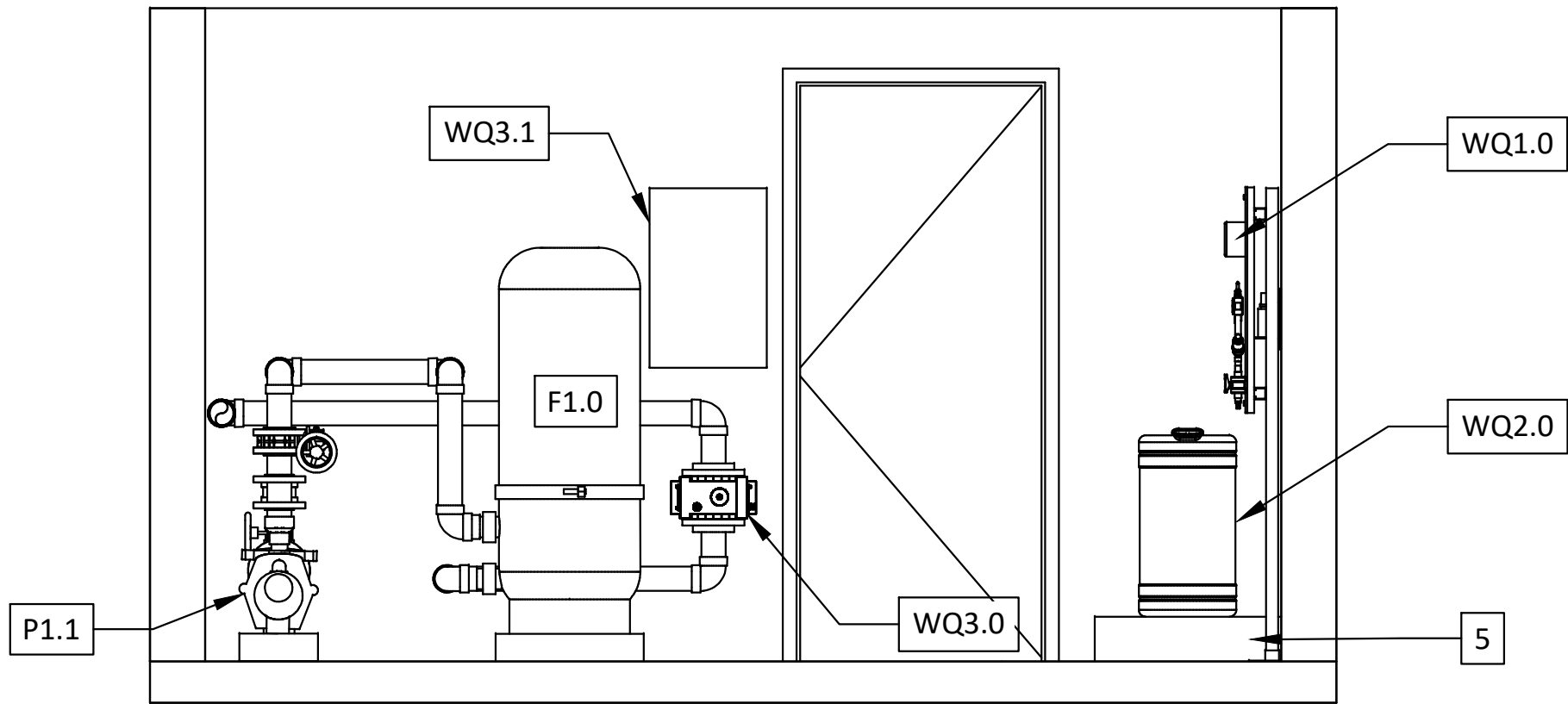
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K.DESJARLAIS	24" x 36"
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P.MORELLI	AS SHOWN
SHEET TITLE:	

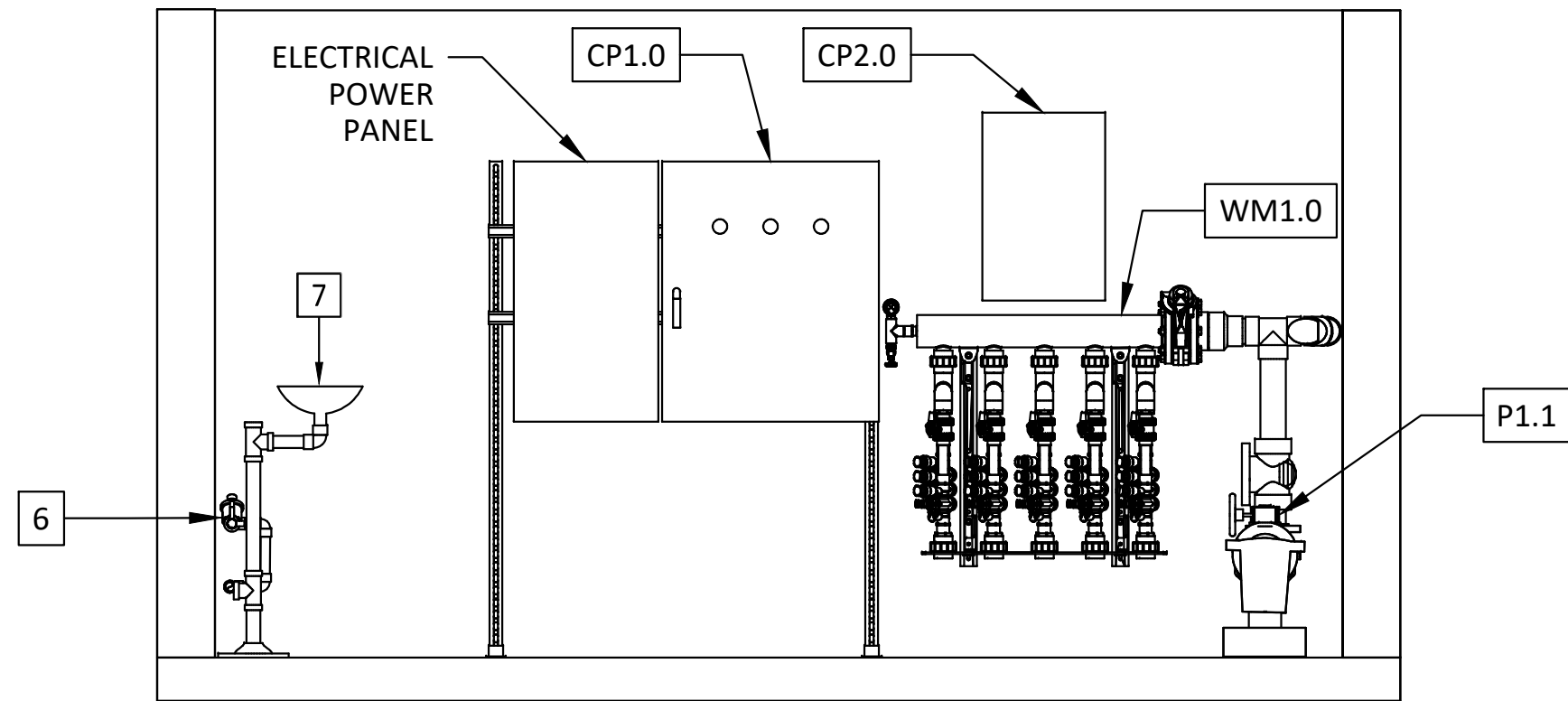
MECHANICAL PLAN

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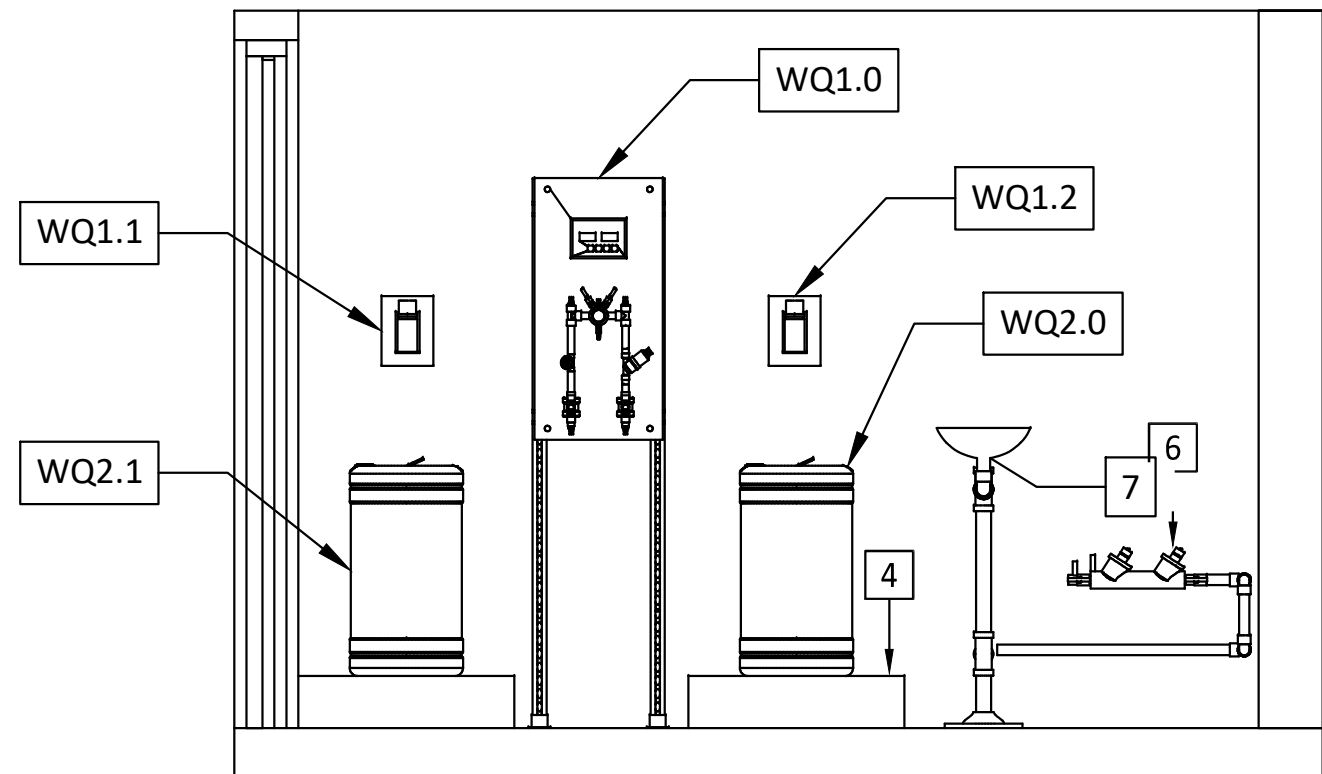
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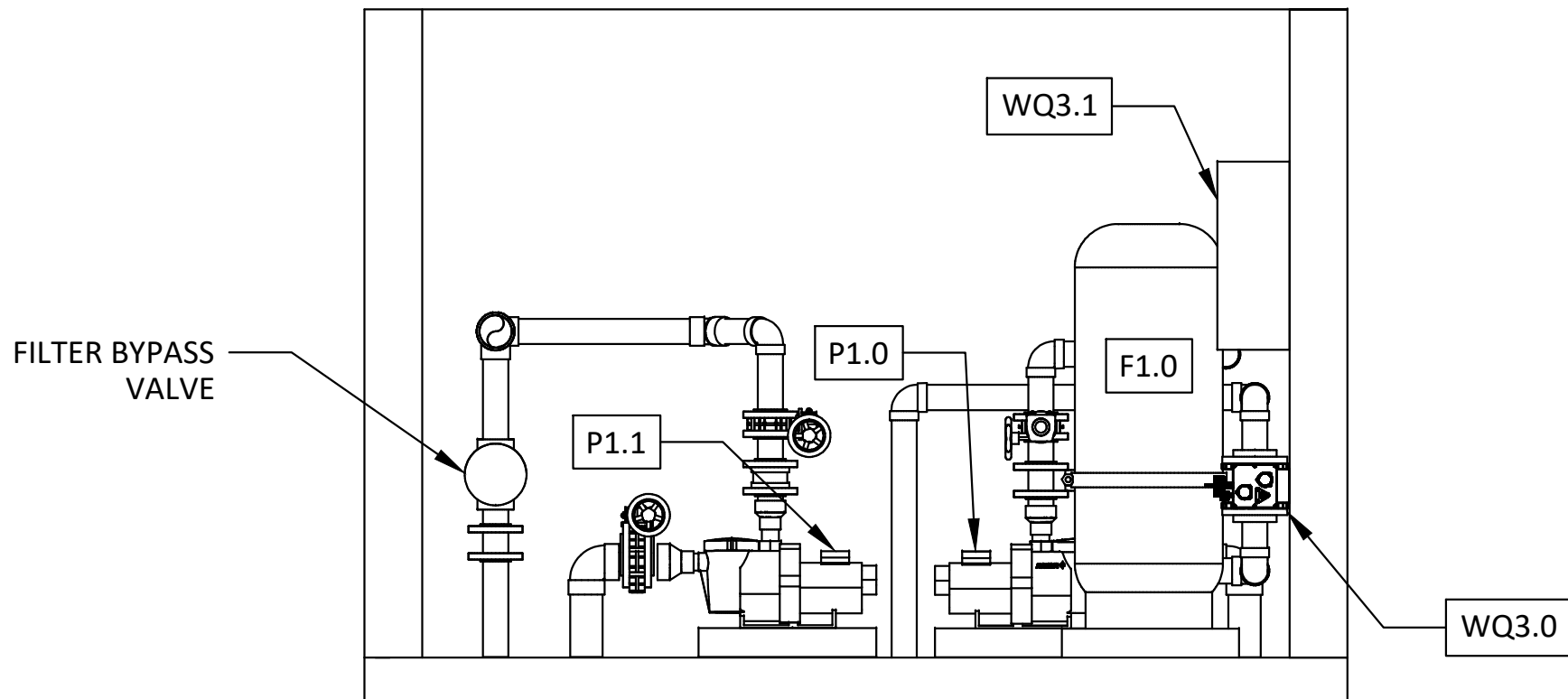
1 SECTION A
SCALE: 1/2" = 1'-0"



2 SECTION B
SCALE: 1/2" = 1'-0"



3 SECTION C
SCALE: 1/2" = 1'-0"



4 SECTION D
SCALE: 1/2" = 1'-0"

EQUIPMENT LIST			
ITEM TAG	QTY	DESCRIPTION	SPECIFICATION
P1.0	1	FILTRATION PUMP	PENTAIR INTELLIFLO MODEL NO. VS+SVRS, 134 GPM @ 60' TDH, 3 HP, 230V, 1PH, 16.0A, 47 LBS.
P1.1	1	DISPLAY PUMP	PENTAIR INTELLIFLO3 MODEL NO. VSF, 144 GPM @ 45' TDH, 3 HP, 230V, 1PH, 10.1A, 65 LBS.
F1.0	1	CARTRIDGE FILTER	PENTAIR CLEAN AND CLEAR, CCP420, 420.0 SF, 158 GPM, 691 LBS.
WQ1.0	1	CHEMICAL CONTROLLER	IPS CONTROLLERS, MODEL 920W-CA, 5A
WQ1.1	1	ACID DELIVERY	STENNER 45MP1, 3 GPD, 25 PSI (0.1 GPD REQUIRED), 120V, 1.7A
WQ1.2	1	CHLORINE DELIVERY	STENNER 45MP1, 3 GPD, 25 PSI (1.2 GPD REQUIRED), 120V, 1.7A
WQ2.0	1	CHLORINE STORAGE	PEABODY 15 GAL. DOUBLE WALL CONTAINMENT TANK, MODEL #01-28906, W/ ULINE PALLET MODEL #H-2762
WQ2.1	1	ACID STORAGE	PEABODY 15 GAL. DOUBLE WALL CONTAINMENT TANK, MODEL #01-28906, W/ ULINE PALLET MODEL #H-2762
WQ3.0	1	UV SYSTEM	EVOQUA UV, MODEL WF-115-3, 208V, 1PH, 20A
WQ3.1	1	UV CONTROL PANEL	INCLUDED WITH ETS UV UNIT
CP1.0	1	CONTROL PANEL	PER RSD TOTAL CONTROLS - ALAN PEARSON
CP2.0	1	WATER PLAY CONTROLLER	PER WATERPLAY
I1.0	1	FLOW METER	FLOWVIS H2FLOW METER, FLOW RATE AND SIZE PER PLAN
I2.0	2	PRESSURE GAUGE	McMASTER CARR, 2.5" PG/VG COMBO, 0-60 PSI, 0-30 HG, MODEL #38545K1
I3.0	2	VACUUM GAUGE	McMASTER CARR, 2.5" PG/VG COMBO, 0-60 PSI, 0-30 HG, MODEL #38545K1
ST1.0	1	SURGE TANK	4000 GALLON, CAST IN PLACE, ???, CONCRETE SURGE TANK
ST1.1	1	SURGE TANK FILL VALVE	McMASTER CARR, 1" BRASS FLOAT VALVE, LEAD FREE, MODEL #4461K64
WM1.0	1	WATERPLAY MANIFOLD	WATERPLAY 12 VALVE MANIFILD MODEL #0010-2614

KEY NOTES:

- 6" THICK CONCRETE PAD, SLOPE TO FLOOR DRAINS @ 1/4" PER FOOT
- 4' X 4' ACCESS HATCH WITH ARCHITECTURAL INLAY PER US FABRICATION, MODEL R-TPD OR EQUAL
- HOSE BIB
- HOUSE KEEPING PAD
- CHEMICAL SPILL PALLET
- BACKFLOW PREVENTER LOCATION (FOR REFERENCE) POTABLE WATER SUPPLY TO FEED HOSE BIBS LOCATED AT THE SPLASHPAD DECK AND THE EQUIPMENT AREA, EMERGENCY EYEWASH AND THE AUTO FILL VALVE FOR THE SURGE TANK, PRESSURE BETWEEN 30 PSI AND 50 PSI, WITH PROPER BACKFLOW PREVENTION (FOR REFERENCE ONLY).
- EMERGENCY EYE WASH, TO SPILL ONTO ENCLOSURE FLOOR FOR DRAINAGE TO FLOOR DRAIN.
- EQUIPMENT ROOM ENCLOSURE, INCLUDING ALL DRAINAGE, POWER FEED, ROOM LIGHTING AND ELECTRICAL OUTLETS (FOR REFERENCE ONLY)
- EQUIPMENT ROOM ENCLOSURE, INCLUDING ALL DRAINAGE, POWER FEED, ROOM LIGHTING AND ELECTRICAL OUTLETS (FOR REFERENCE ONLY)
- FLOOR DRAIN, COMPLETE WITH P-TRAP, TRAP ARM (FLAT-VENTED BELOW GRADE) & TRAP PRIMER

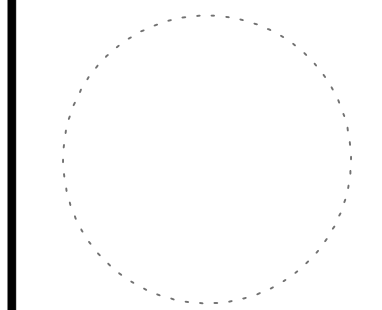
PROJECT:

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SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:



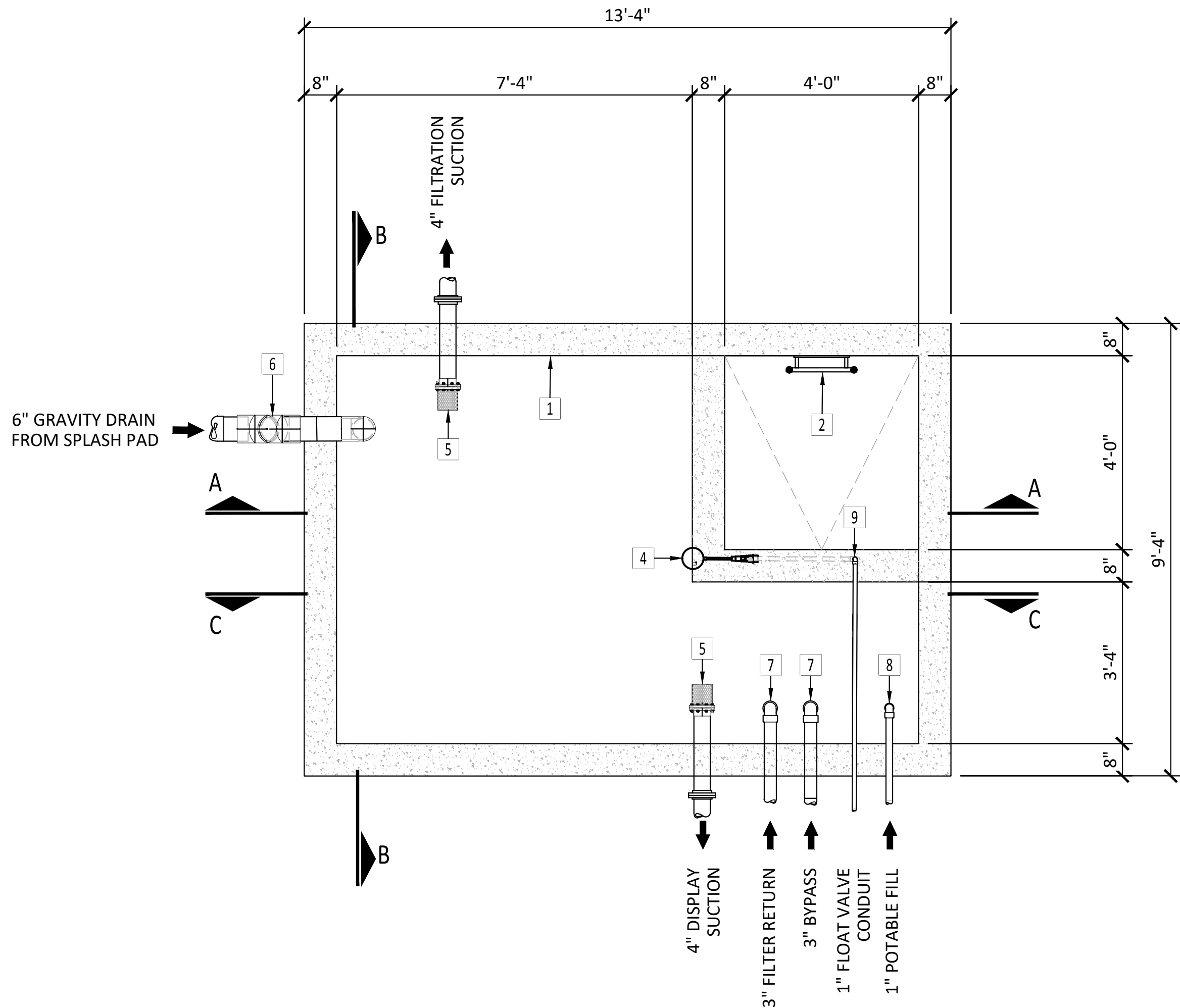
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JOB NO.: 22077	DATE: 08/28/2023
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CHECKED BY: P.MORELLI	SCALE: AS SHOWN

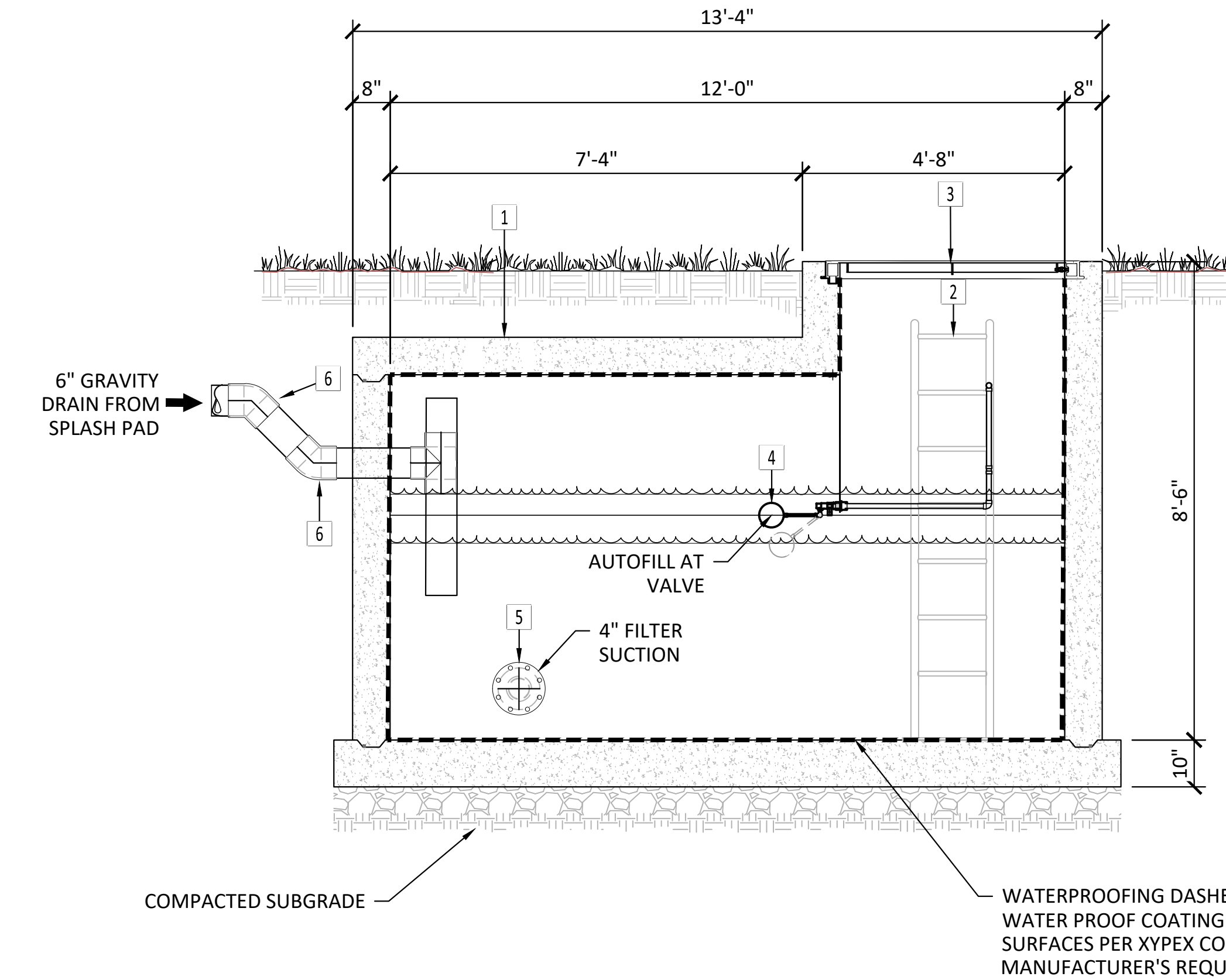
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MECHANICAL SECTIONS

SHEET NUMBER:

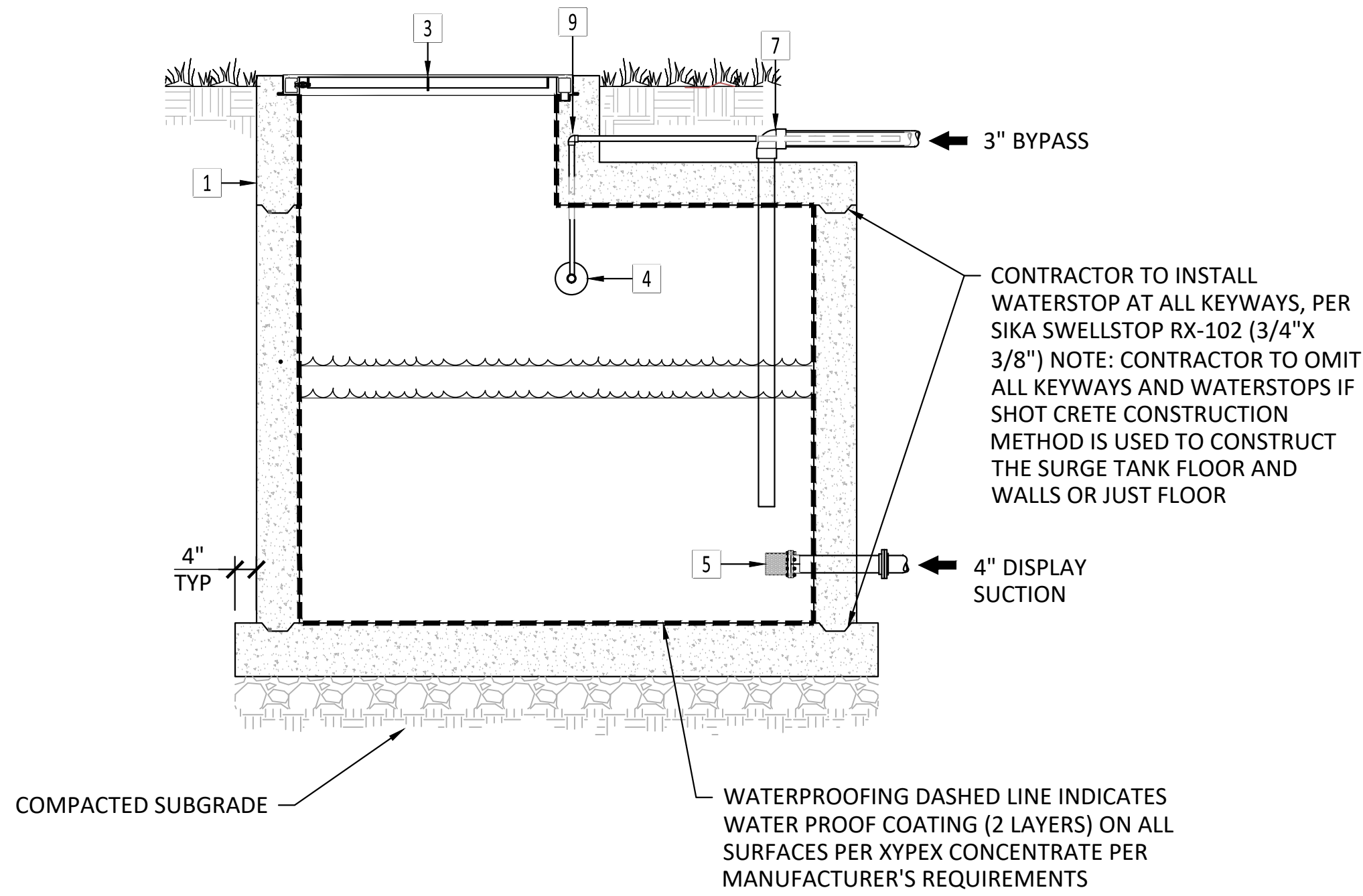
SP-5.01



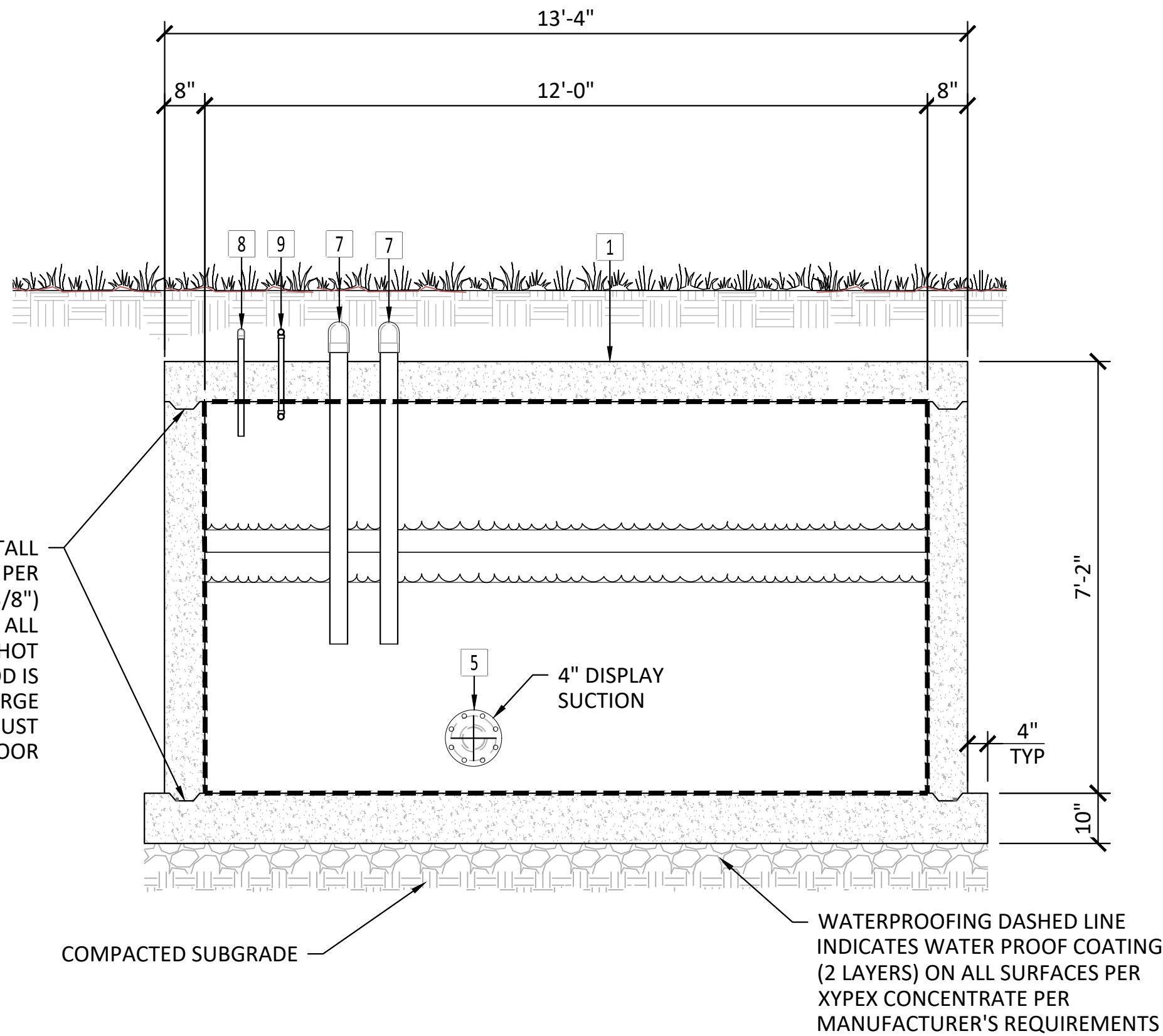
1 SURGE TANK PLAN VIEW
SCALE: 1/2" = 1' - 0"



3 SECTION "A"
SCALE: 1/2" = 1' - 0"



2 SECTION "B"
SCALE: 1/2" = 1' - 0"



4 SECTION "C"
SCALE: 1/2" = 1' - 0"

SURGE TANK CONSTRUCTION NOTES:

1. PREPARE SUBGRADE PER GEOTECH REPORT.
2. CONTRACTOR TO VERIFY ALL EQUIPMENT DIMENSIONS PRIOR TO PURCHASE AND INSTALLATION OF EQUIPMENT.
3. ALL TANK PENETRATIONS TO BE COORDINATED WITH TANK MANUFACTURER PRIOR TO TANK PURCHASE.
4. TANK EXCAVATION PER GEOTECHNICAL REPORT AND CALOSHA.
5. CONTRACTOR TO PROVIDE SUFFICIENT STUB-OUT LENGTHS INSIDE SURGE TANK TO ALLOW INSTALLATION OF CHECK VALVES.
6. ALL BURIED FLANGE HARDWARE SHALL BE 304 SS.

KEY NOTES:

1. INSTALL 4,000 GALLON CIP SURGE TANK, CONTRACTOR TO SUBMIT STRUCTURAL PLANS FOR REVIEW AND APPROVAL.
2. INSTALL FIBER GLASS VAULT LADDER ANCHORED TO TANK WALL.
3. INSTALL APD300 48X48 DOUBLE LEAF ALUMINUM HATCH, PEDESTRIAN RATED. PER USF FABRICATION.
4. 1" LEAD FREE BRASS FLOAT VALVE.
5. FLANGED SUCTION STRAINER PER DEWATER PRODUCTS, 316 SS.
6. INSTALL 6" SCH 40 PVC 45 DEG ELBOW.
7. INSTALL 3" SCH 40 PVC 90 DEG ELBOW.
8. INSTALL 1 1/2" SCH 40 PVC 90 DEG ELBOW.
9. INSTALL 1" SCH 40 PVC 90 DEG ELBOW.

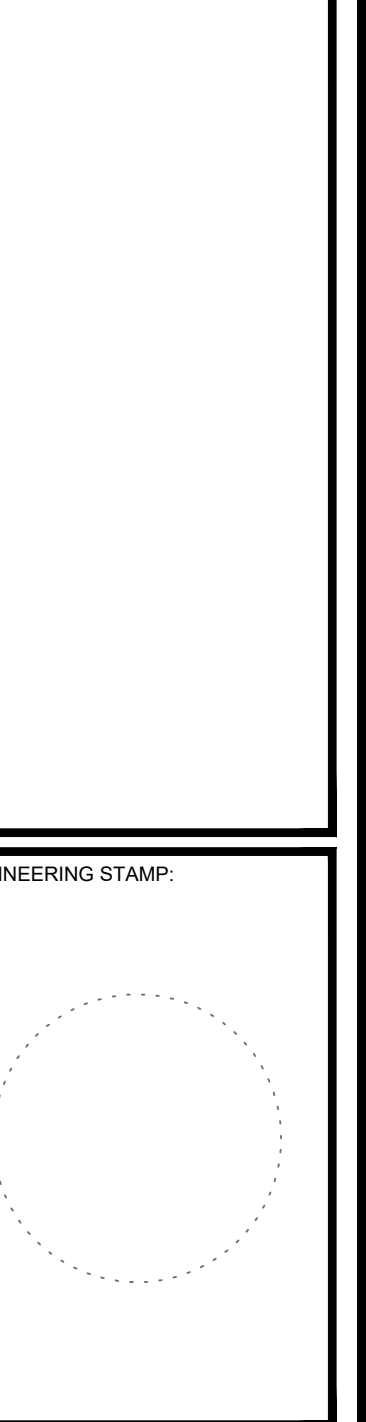
PROJECT:

NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:



ISSUE / REVISION:	DATE:
ISSUED 100% CD'S	07/01/2024

JOB NO.:	DATE:
22077	08/28/2023
DRAWN BY:	SHEET SIZE:
K.DESJARDIS	24" x 36"
CHECKED BY:	SCALE:
P.MORELLI	AS SHOWN

SHEET TITLE:

SURGE TANK

SHEET NUMBER:

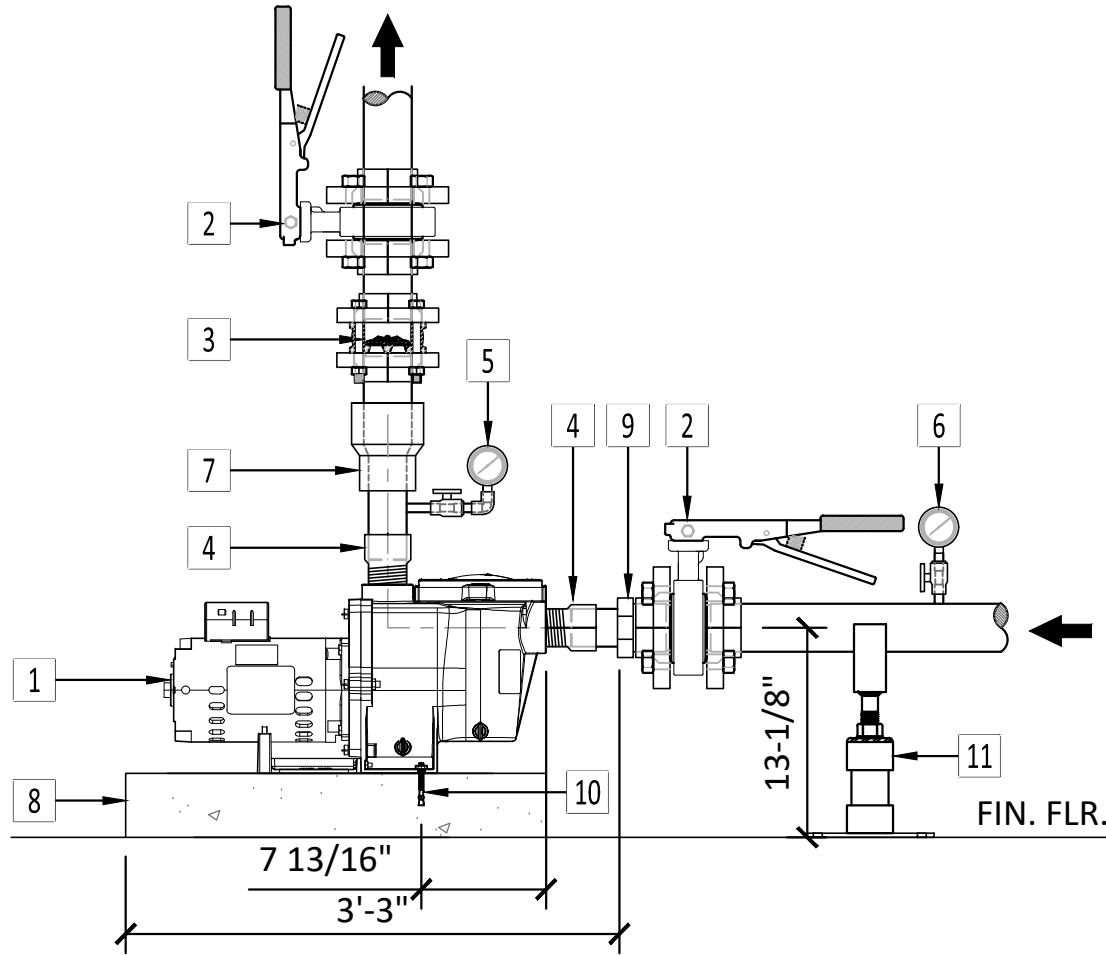
SP-5.02

CHECK VALVE FLANGE HARDWARE				
VALVE SIZE	HEX CAP SCREWS			
(IN.)	COUNT	SIZE	MIN. LENGTH	(IN.)
≤2-1/2	UNIONS, NO FLANGES			
3	4	5/8	5 3/4	
4	8	5/8	6 1/4	
6	8	3/4	7 1/4	

BUTTERFLY VALVE FLANGE HARDWARE				
VALVE SIZE	HEX CAP SCREWS			
(IN.)	COUNT	SIZE	MIN. LENGTH	(IN.)
≤2-1/2	UNIONS, NO FLANGES			
3	4	5/8	5 1/4	
4	8	5/8	6	
6	8	3/4	6 1/4	

KEY NOTES:

- PUMP PER EQUIPMENT LIST
- (SIZE PER PLAN) VALVE, UP TO 2-1/2"; BALL VALVE PER PRAHER OR EQUAL 3" AND UP; BUTTERFLY VALVE PER ASAHI "POOL PRO", WITH LEVER OPERATOR, ASSEMBLY INCLUDES: (2) FLANGE ADAPTERS (2) EPDM GASKETS, GALVANIZED HEX CAP SCREWS PER TABLE. (1) GALVANIZED NUT AND (2) GALVANIZED WASHERS PER SCREW.
- (SIZE PER PLAN) SILENT CHECK VALVE, UP TO 2-1/2"; PER PRAHER OR EQUAL 3" AND UP; PER "TECHNO CHECK" OR "CENTERINE", CLASS 125, SPRING LOADED ASSEMBLY INCLUDES: (2) FLANGE ADAPTERS, (2) EPDM GASKETS, GALVANIZED HEX CAP SCREWS PER TABLE. (1) GALVANIZED NUT AND (2) GALVANIZED WASHERS PER SCREW.
- 2" CPVC THREADED NIPPLE.
- 1/4" S.S. LIQUID FILLED PRESSURE GAUGE, McMASTER CARR 0-60 PSI, MODEL #38545K1
- 1/4" S.S. LIQUID FILLED VACUUM GAUGE, McMASTER CARR 0-30 HG, MODEL #38545K1
- 2" X (SIZE PER PLAN) SCH.80 REDUCER, AS NEEDED
- 4" THICK CONCRETE HOUSE KEEPING PAD
- 2" X (SIZE PER PLAN) SCH.80 REDUCER, AS NEEDED
- MOUNTING HARDWARE INCLUDES:
(4) 3/8" STAINLESS FLAT WASHERS
(4) 3/8" STAINLESS LOCKING WASHERS
(4) 3/8" STAINLESS WEDGE ANCHORS HILTI KB-TZ WITH 2" EMBEDMENT, (ICC ESR-1917)
(4) 3/8" STAINLESS NUTS
- SUPPORT AS REQUIRED



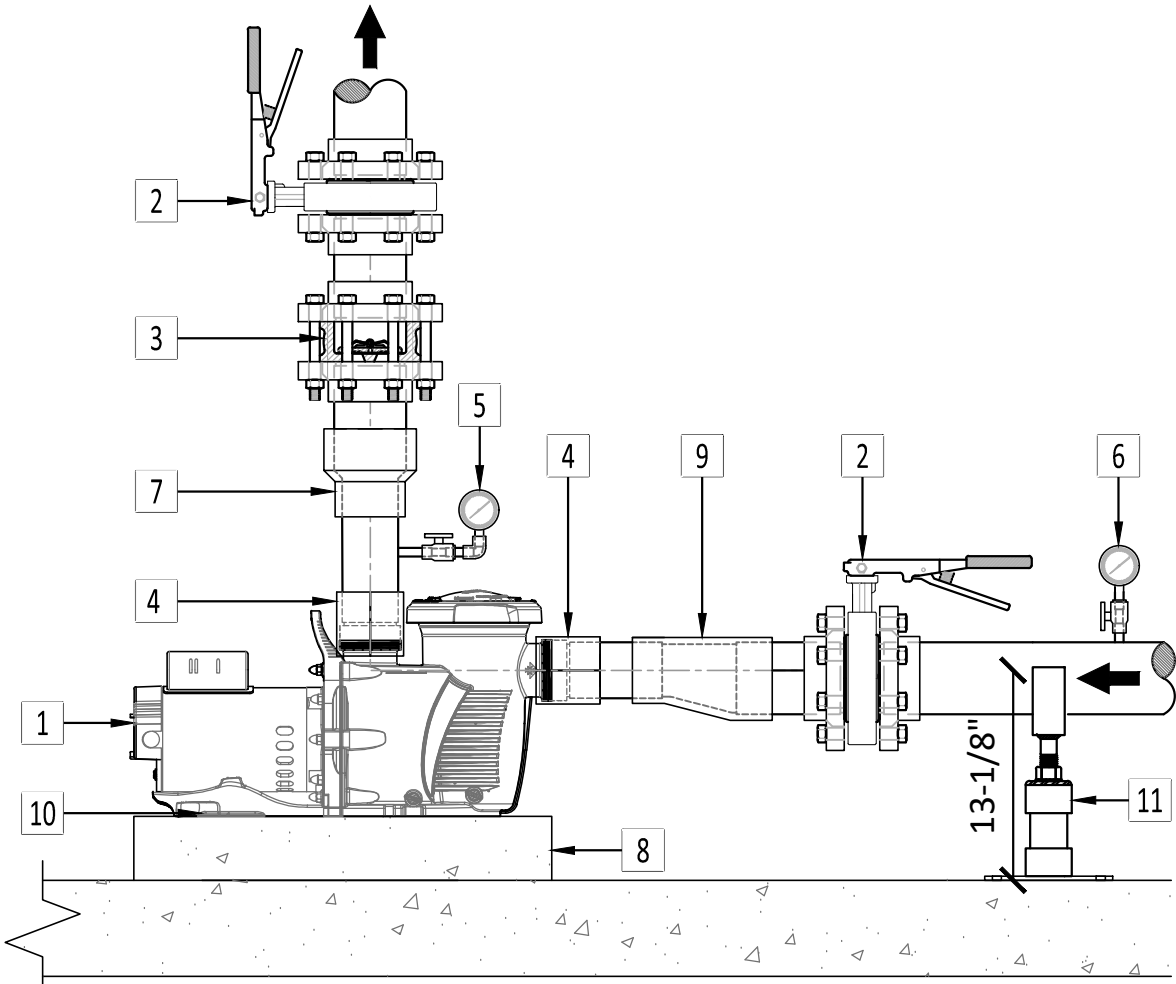
A SPRAY GROUND FILTER PUMP
SCALE: 1" = 1'-0"

CHECK VALVE FLANGE HARDWARE				
VALVE SIZE	HEX CAP SCREWS			
(IN.)	COUNT	SIZE	MIN. LENGTH	(IN.)
3	4	5/8	5 3/4	
4	8	5/8	6 1/4	
6	8	3/4	7 1/4	

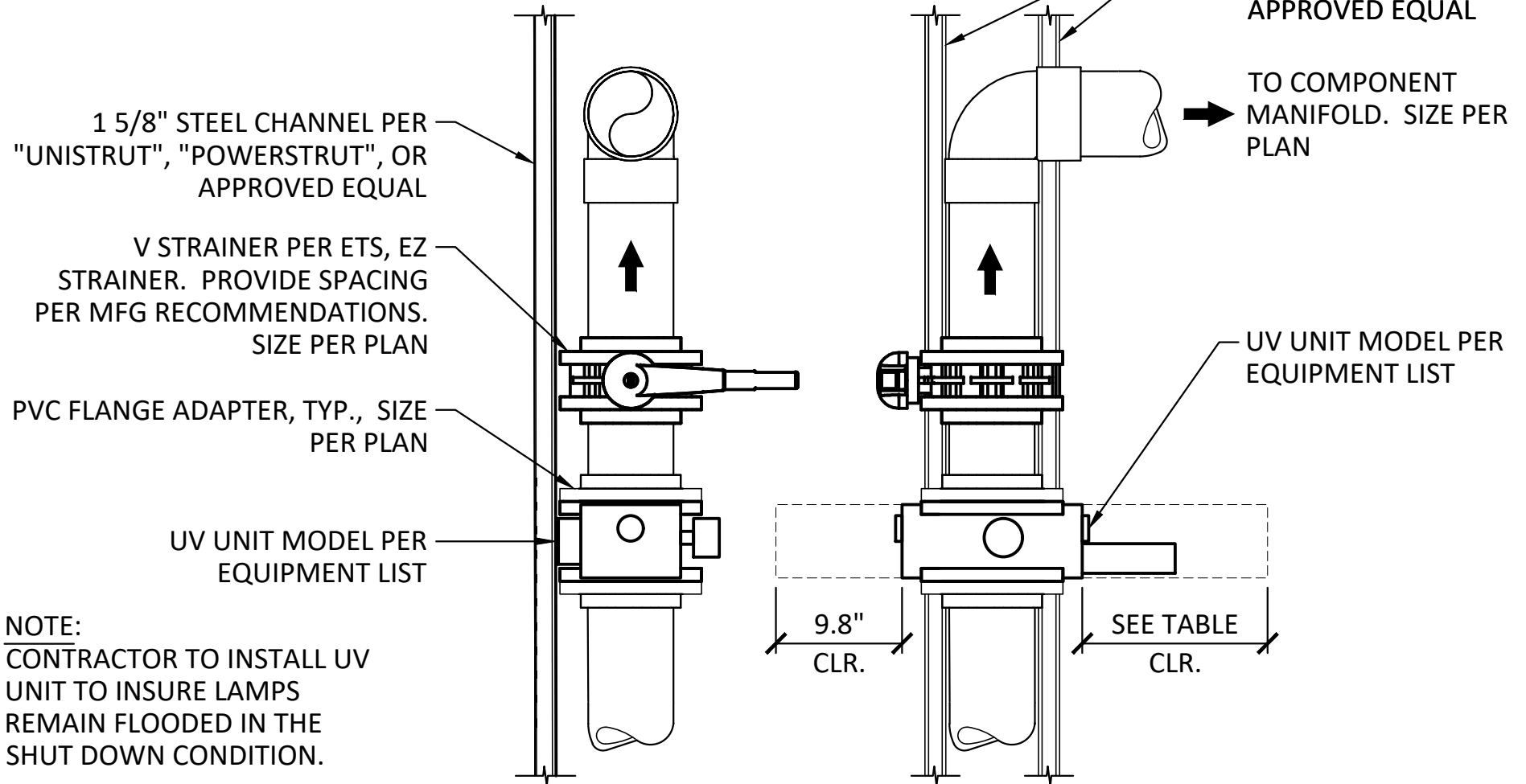
BUTTERFLY VALVE FLANGE HARDWARE				
VALVE SIZE	HEX CAP SCREWS			
(IN.)	COUNT	SIZE	MIN. LENGTH	(IN.)
3	4	5/8	5 1/4	
4	8	5/8	6	
6	8	3/4	6 1/4	

KEY NOTES:

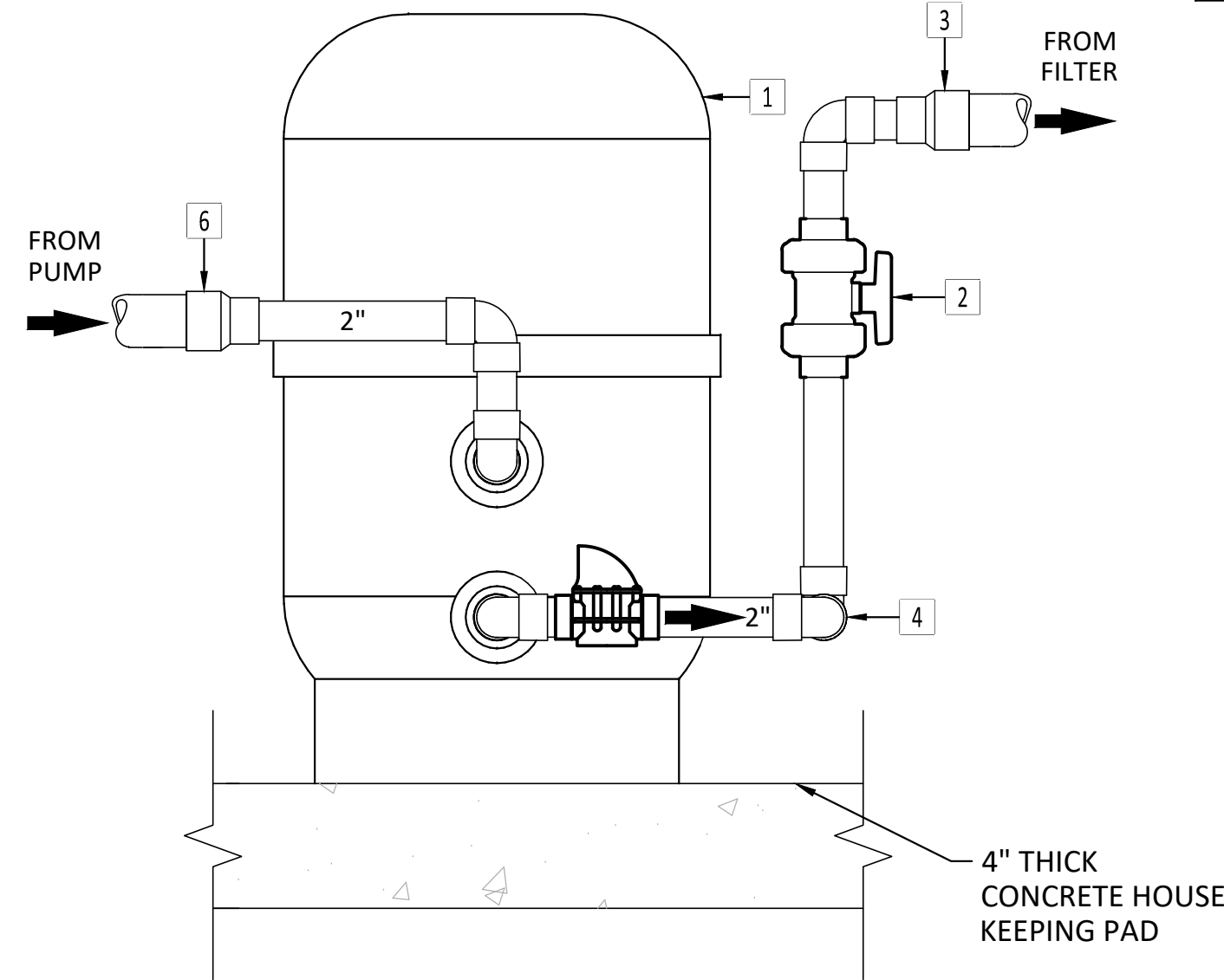
- PUMP PER EQUIPMENT LIST
- (SIZE PER PLAN) BUTTERFLY VALVE PER ASAHI "POOL PRO", WITH LEVER OPERATOR, ASSEMBLY INCLUDES: (2) FLANGE ADAPTERS, (2) EPDM GASKETS, GALVANIZED HEX CAP SCREWS PER TABLE. (1) GALVANIZED NUT AND (2) GALVANIZED WASHERS PER SCREW.
- (SIZE PER PLAN) SILENT CHECK VALVE PER "TECHNO CHECK" OR "CENTERINE", CLASS 125, SPRING LOADED, ASSEMBLY INCLUDES: (2) FLANGE ADAPTERS, (2) EPDM GASKETS, GALVANIZED HEX CAP SCREWS PER TABLE. (1) GALVANIZED NUT AND (2) GALVANIZED WASHERS PER SCREW.
- 3" CPVC THREADED FEMALE ADAPTER
- 1/4" S.S. LIQUID FILLED PRESSURE GAUGE, McMASTER CARR 0-60 PSI, MODEL #38545K1
- 1/4" S.S. LIQUID FILLED VACUUM GAUGE, McMASTER CARR 0-30 HG, MODEL #38545K1
- 2" X (SIZE PER PLAN) SCH.80 REDUCER, AS NEEDED
- 4" THICK CONCRETE HOUSE KEEPING PAD
- 2" X (SIZE PER PLAN) SCH.80 REDUCER, AS NEEDED
- MOUNTING HARDWARE INCLUDES:
(4) 3/8" STAINLESS FLAT WASHERS
(4) 3/8" STAINLESS LOCKING WASHERS
(4) 3/8" STAINLESS WEDGE ANCHORS HILTI KB-TZ WITH 2" EMBEDMENT, (ICC ESR-1917)
(4) 3/8" STAINLESS NUTS
- SUPPORT AS REQUIRED



B SPRAY GROUND DISPLAY PUMP
SCALE: 1" = 1'-0"



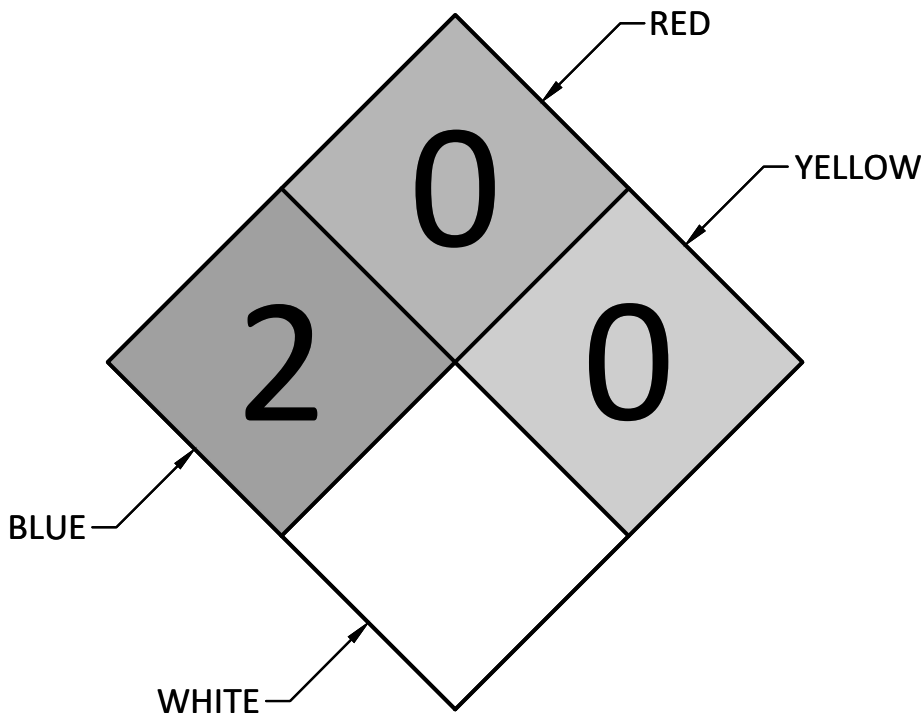
C UV INSTALLATION
SCALE: 1" = 1'-0"



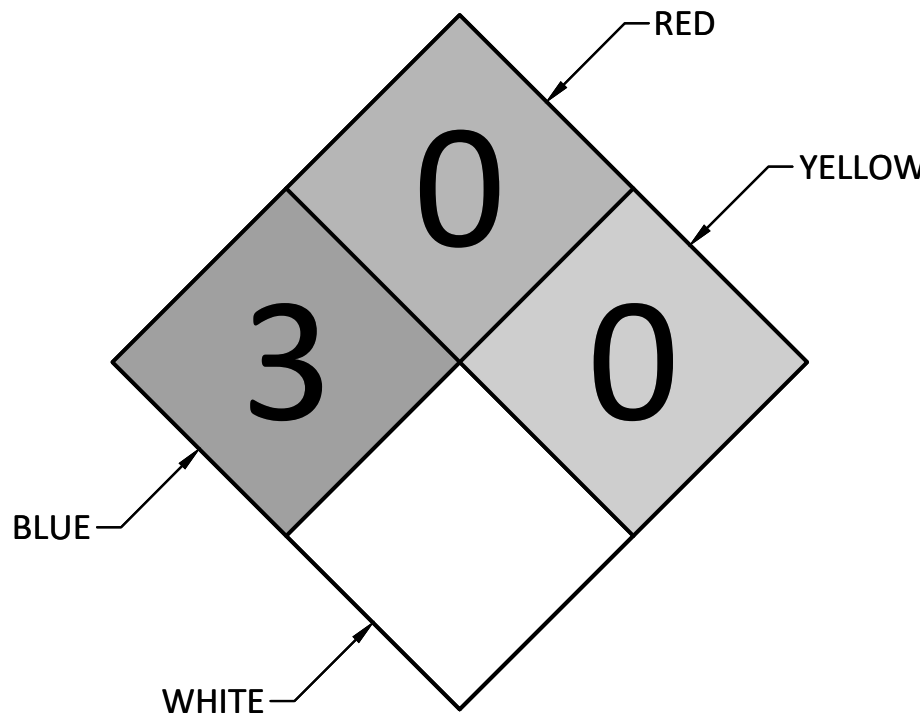
A CARTRIDGE FILTER
SCALE: 3/4" = 1'-0"

KEY NOTES:

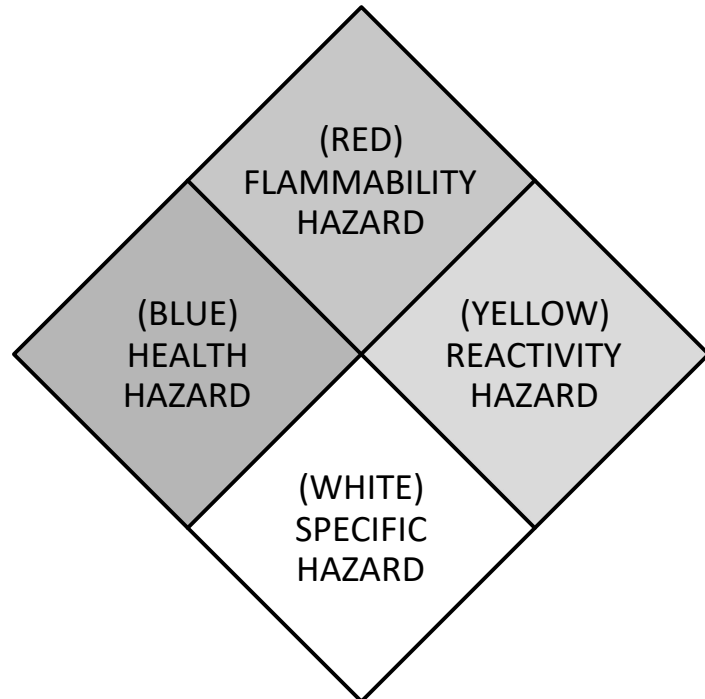
- CARTRIDGE FILTER PER EQUIPMENT LIST
- 2" TRUE UNION BALL VALVE, 2 TYP.
- 2" X (SIZE PER PLAN) CONCENTRIC REDUCER, AS NEEDED, 2 TYP.
- 2" SCH. 80 PVC ELBOW, 6 TYP.
- FLOW METER PER H2FLOW FLOWVIS, DETAIL HEREON



SODIUM HYPOCHLORITE



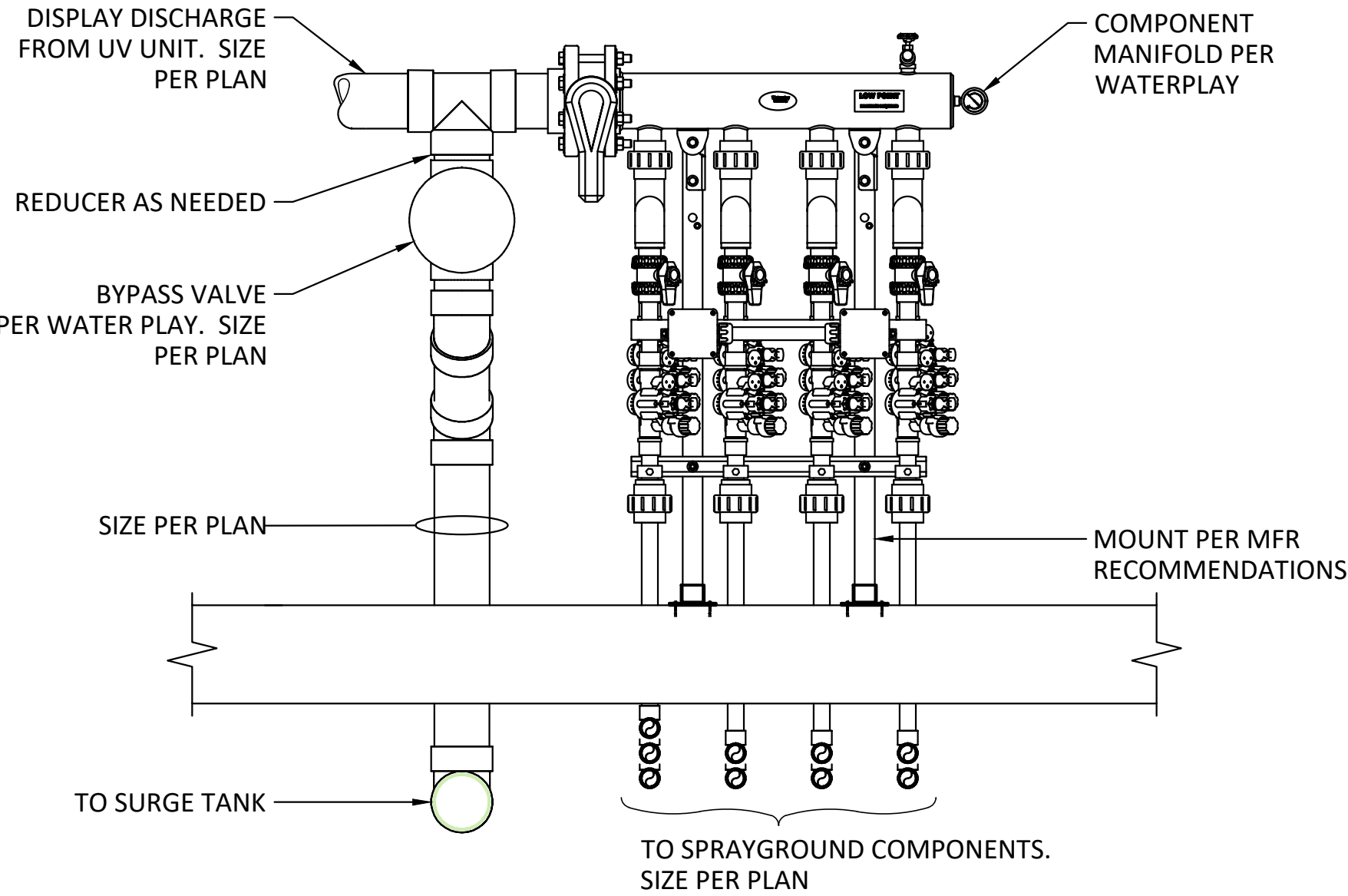
MURIATIC ACID



LEGEND

- NOTES:**
- SIGNS SHALL BE SIZES AND COLORS PER CODE.
 - CONTRACTOR TO INSTALL SIGNS ON SHELTER DOORS 60" FROM TOP OF FINISHED CONCRETE.
 - AGGREGATE QUANTITY OF POOL CHEMICALS SHALL NOT EXCEED THE EQUIVALENT OF 55 GALLONS (10 POUNDS OF A SOLID CHEMICAL EQUALS 1 GALLON).

E CHLORINE & ACID SIGNAGE
SCALE: NOT TO SCALE



F COMPONENT DISPLAY MANIFOLD
SCALE: 1" = 1'-0"

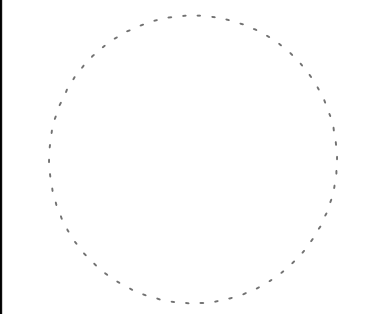
PROJECT:

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SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263**

W.F. CONTRACTOR:



ENGINEERING STAMP:



ISSUE / REVISION:
ISSUED 100% CD'S

DATE:
07/01/2024

JOB NO.:
22077
DRAWN BY:
K.DESJARLAIS
CHECKED BY:
P.MORELLI
SHEET TITLE:
MECHANICAL DETAILS

DATE:
08/28/2023
SHEET SIZE:
24" x 36"
SCALE:
AS SHOWN

SHEET NUMBER:

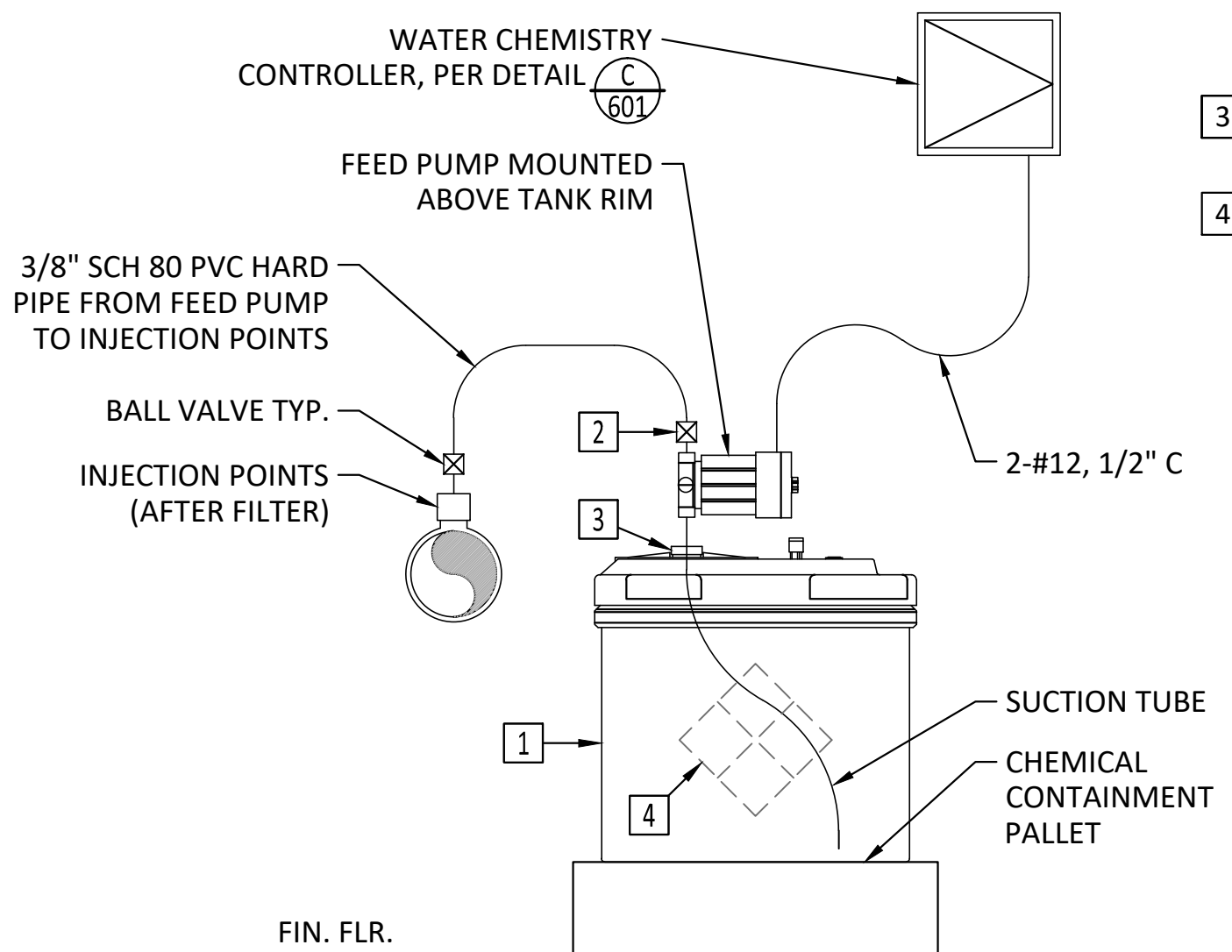
SP-6.00

NOTES:

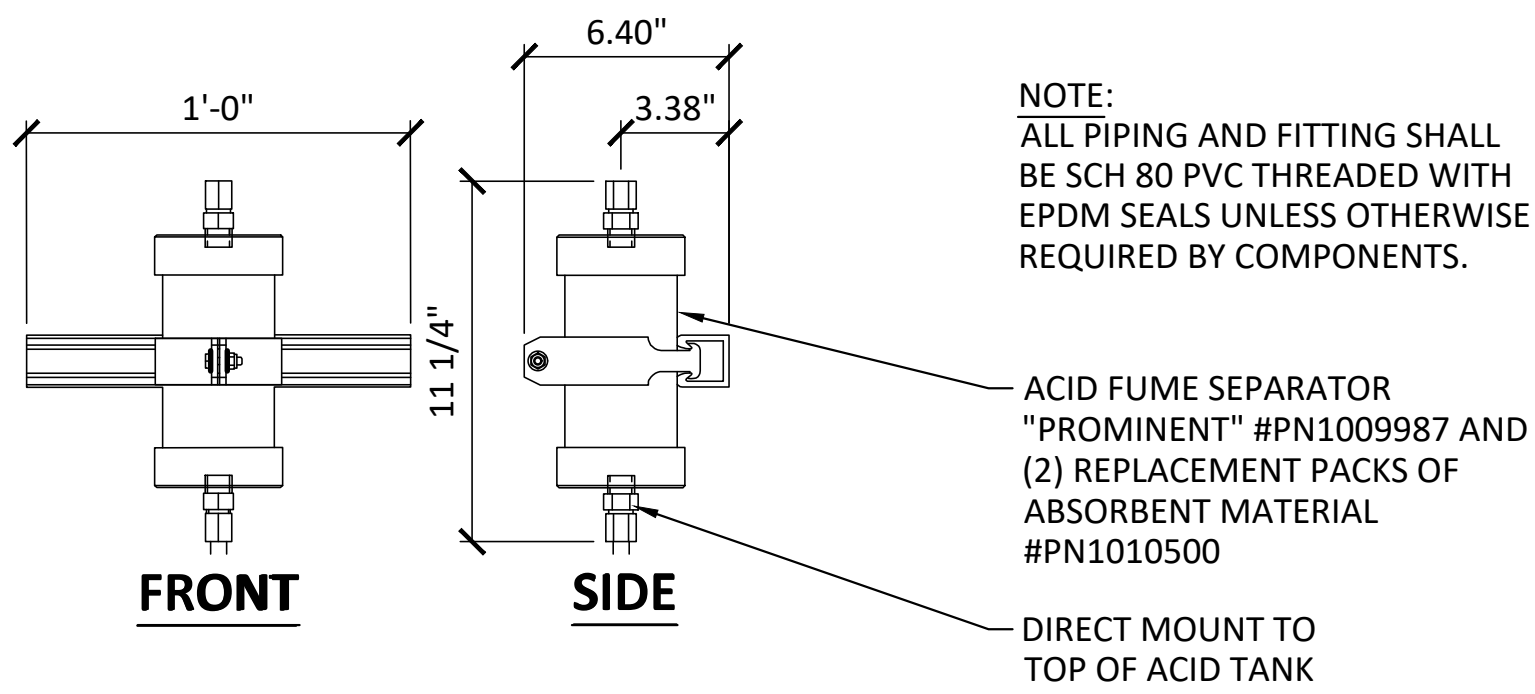
1. PIPING, TUBING, VALVES AND RELATED COMPONENTS SHALL BE SEISMIC BRACED.
2. PIPING AND TUBING SHALL BE IDENTIFIED TO INDICATE THE MATERIAL CONVEYED.

KEY NOTES:

- 1 ABOVE GROUND STATIONARY TANKS USED FOR THE STORAGE OF HAZARDOUS MATERIALS SHALL BE PLACARDED WITH HAZARD IDENTIFICATION SIGNS AS SPECIFIED IN C.F.C. STANDARD 79-3 FOR THE SPECIFIC MATERIAL CONTAINED. SIGNS SHALL BE DURABLE. THE SIZE, COLOR AND LETTERING SHALL BE IN ACCORDANCE WITH NATIONALLY RECOGNIZED STANDARDS.
- 2 EMERGENCY SHUTOFF VALVES SHALL BE IDENTIFIED AND THE LOCATION SHALL BE CLEARLY VISIBLE AND INDICATED BY MEANS OF A SIGN.
- 3 PROVIDE 2" EKO 3 VAPORLOK FITTING
- 4 CHEMICAL HAZARD PLACARD PER 

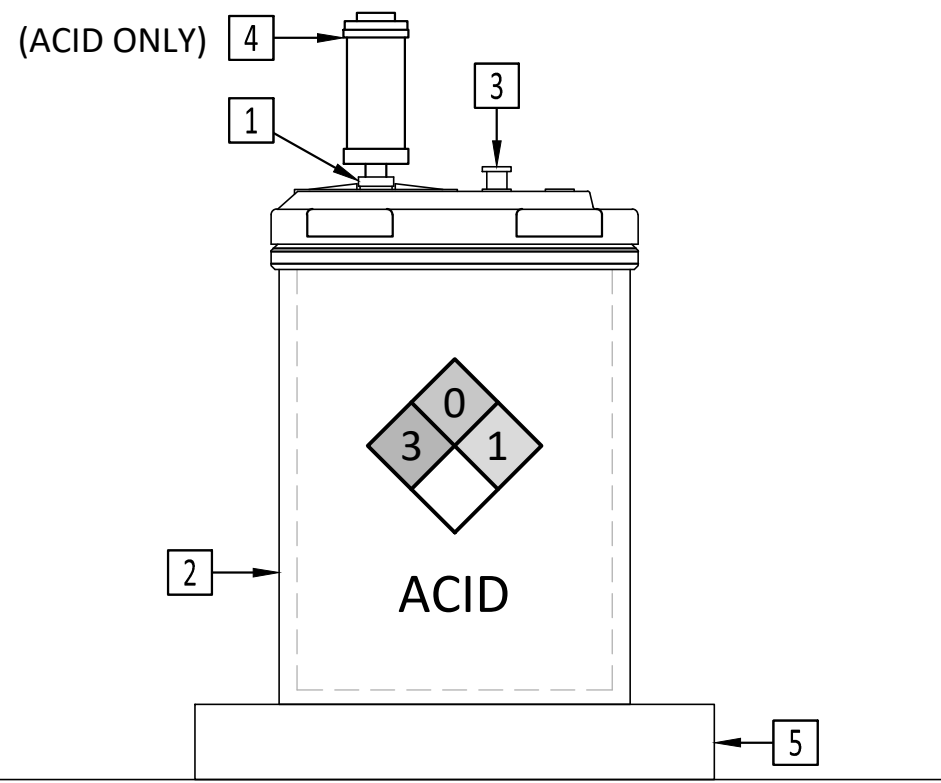


A CHEMICAL FEED SYSTEM
SCALE: NOT TO SCALE



KEY NOTES:

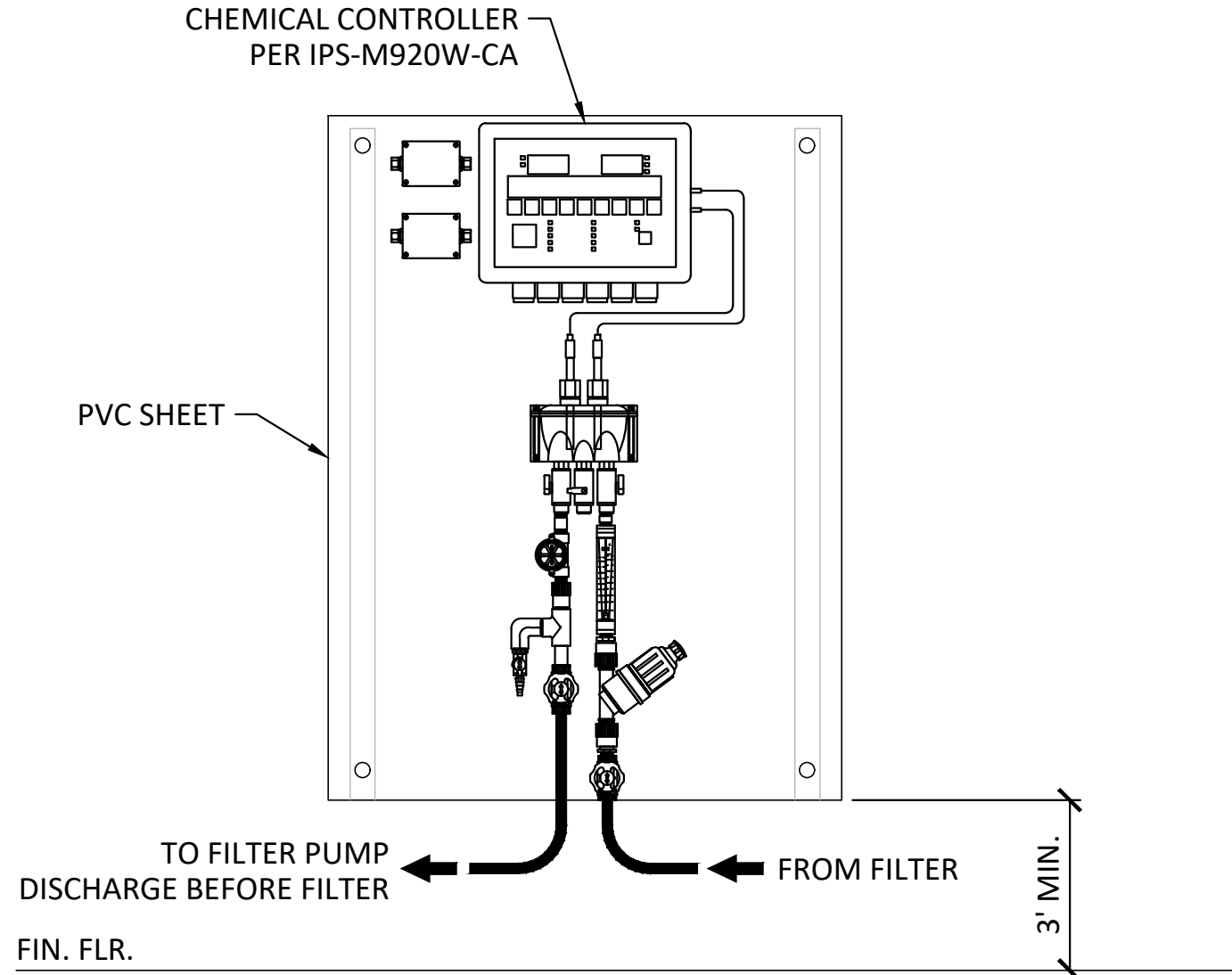
- 1 PROVIDE 2" BULKHEAD FITTING W/ 2" X 3/4" THD REDUCER, 3/4" THD NIPPLE
- 2 15 GALLON BULK ACID TANK PER GEMINI "LITTLE GEM"
- 3 PROVIDE "EKO3 VAPORLOC" CAP FOR FEED PUMP SUCTION LINE(S)
- 4 ACID FUME SEPARATOR PER PROMINENT
- 5 CHEMICAL SPILL PALLETTE



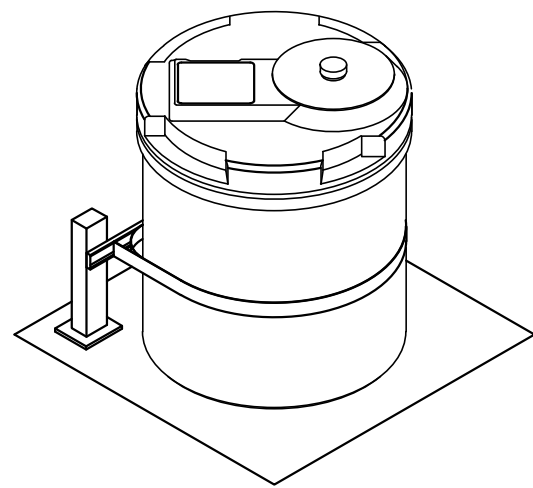
B ACID NEUTRALIZATION AND CHEMICAL CONTAINMENT
SCALE: 1" = 1'-0"

NOTE:

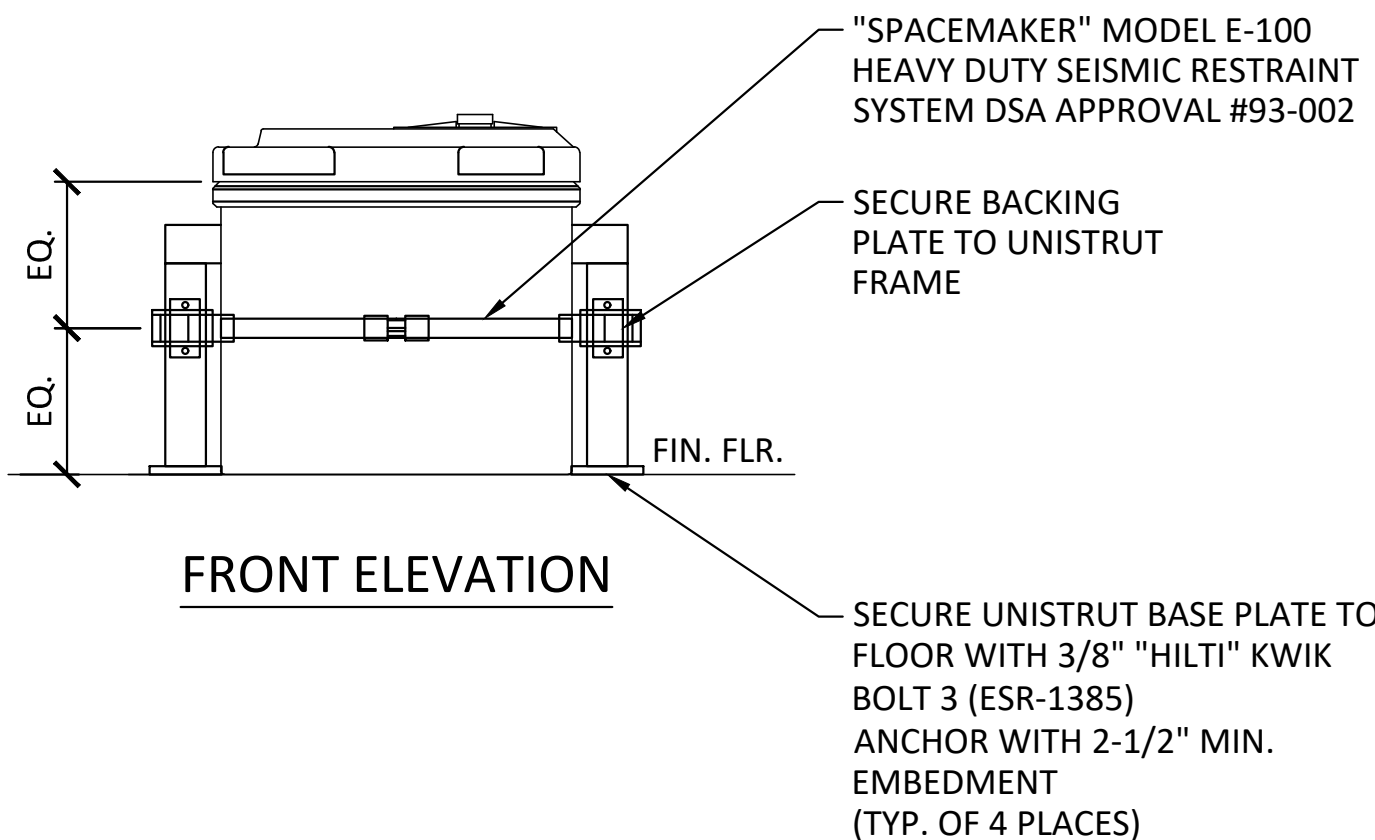
LOCATE CHEMICAL CONTROLLER ON WALL AREA WITH EASY ACCESS WITHIN 8 FEET OF FEEDER, AT LEAST 10 FEET FROM WATER EDGE & WITHIN 6 FEET OF GFCI POWER SOURCE



C CHEMICAL CONTROLLER DETAIL
SCALE: NOT TO SCALE



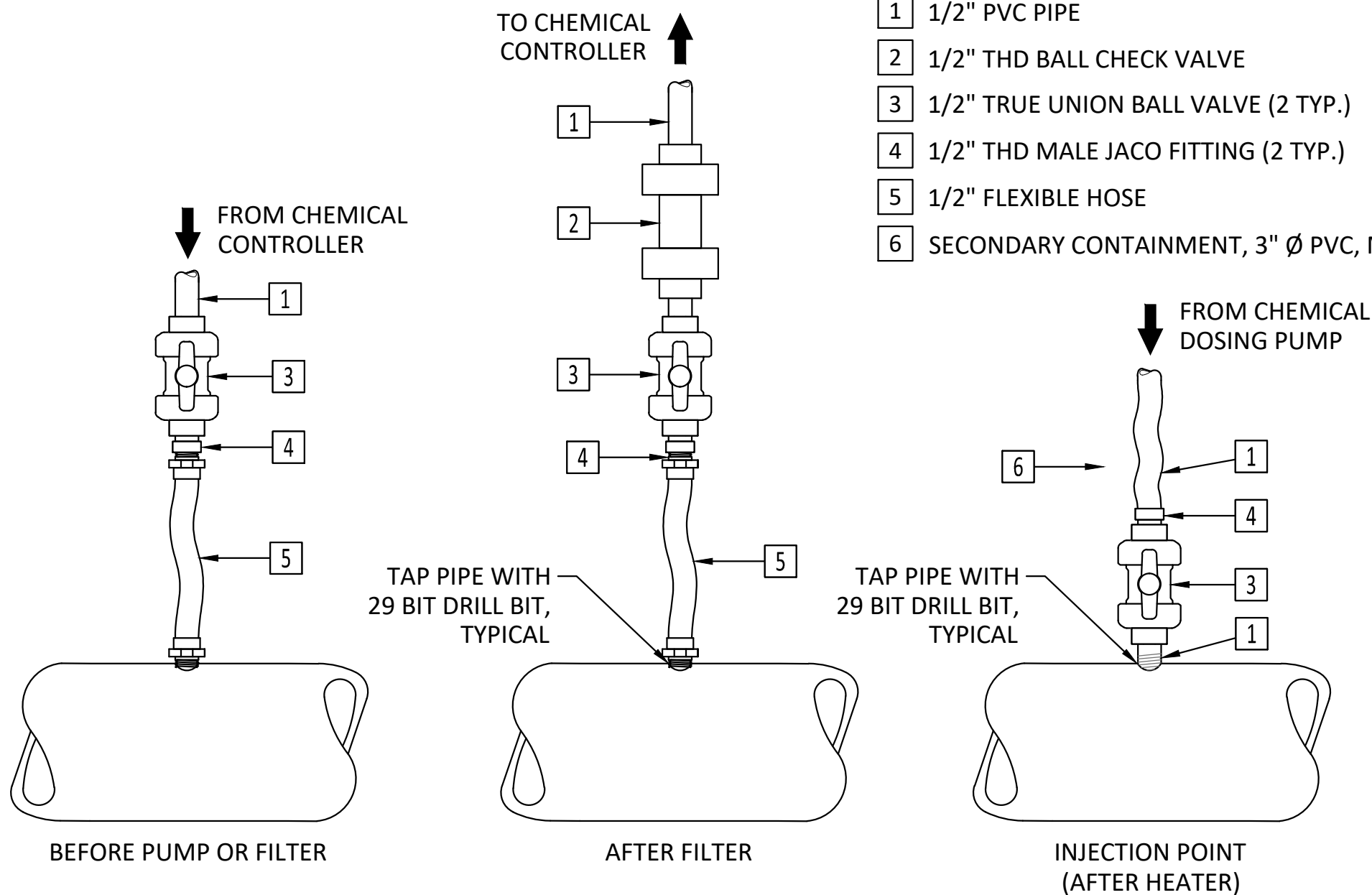
TANK ISOMETRIC



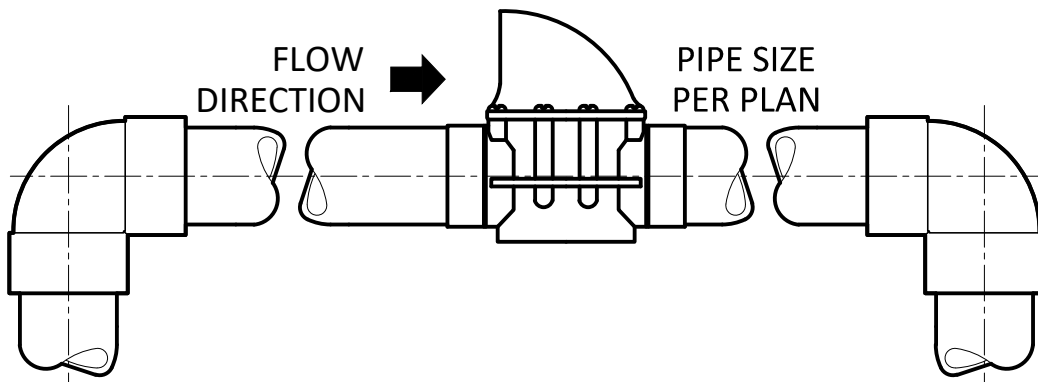
D ANCHORAGE DETAIL
SCALE: 1" = 1'-0"

KEY NOTES:

- 1 1/2" PVC PIPE
- 2 1/2" THD BALL CHECK VALVE
- 3 1/2" TRUE UNION BALL VALVE (2 TYP.)
- 4 1/2" THD MALE JACO FITTING (2 TYP.)
- 5 1/2" FLEXIBLE HOSE
- 6 SECONDARY CONTAINMENT, 3" Ø PVC, MAX.



E CHEMICAL CONTROLLER SAMPLE TAPS AND INJECTION
SCALE: NOT TO SCALE



NOTES:

1. FOR ALL MODELS 2.5" AND SMALLER, ALWAYS REMOVE THE FLOWVIS LID ASSEMBLY PRIOR TO GLUING IN THE VALVE BODY.
2. WHEN SELECTING A PHYSICAL LOCATION TO INSTALL FLOWVIS, BE SURE TO ALLOW ACCESSIBILITY TO READ THE SCALE ON THE LID.
3. DUE TO THE POSSIBILITY OF EXCESSIVE TURBULENCE, MODELS FV-3, FV-4, FV-6, AND FV-8 SHOULD NOT BE INSTALLED DIRECTLY AFTER THE PUMP.
4. FLOWVIS MODELS ARE DESIGNED FOR THE SPECIFIC PIPE SCHEDULE STATED AT THE BOTTOM OF THE FLOW SCALE LABEL. WHILE IT IS IMPORTANT TO COMPLY WITH THE SPECIFIC SCHEDULE OF PIPE, THE ACCURACY STATED WITHIN THIS MANUAL CAN BE MAINTAINED IF A SHORT LENGTH (3-6 INCHES / 75-150MM), OF THE CORRECT PIPE TYPE, IS INSTALLED EITHER SIDE OF THE FLOWVIS. FOR EXAMPLE, AN FV-3, CAN BE INSTALLED TO A SCH 40 PLUMBING SYSTEM, PROVIDED THAT A SHORT LENGTH OF SCH 80 PIPE IS INSTALLED INTO EACH END OF THE FLOWVIS FV-3.
5. CHECK FLOWVIS MANUAL FOR MORE DETAILED INSTRUCTION ABOUT INSTALLATION

F FLOW METER DETAIL
SCALE: NOT TO SCALE

MODEL	GPM FLOW RANGE	FITTING TYPE
FV-15 (1.5")	10 TO 80	A
FV-2 (2")	10 TO 110	A
FV-25 (2 1/2")	10 TO 110	A
FV-3 (3")	70 TO 240	B
FV-4 (4")	150 TO 460	C
FV-6 (6")	300 TO 1000	D
FV-8 (8")	600 TO 1800	E

PIPE CONFIGURATION DEFINITIONS:

- A. ZERO STRAIGHT PIPE BEFORE OR AFTER FLOWVIS. CAN BE INSTALLED IN ANY ORIENTATION - HORIZONTAL, VERTICAL UP OR VERTICAL DOWN.
- B. STRAIGHT HORIZONTAL PIPE OR ≥11" BEFORE FLOWVIS.
- C. STRAIGHT HORIZONTAL PIPE OR ≥17" BEFORE FLOWVIS.
- D. STRAIGHT HORIZONTAL PIPE OR ≥33" BEFORE FLOWVIS.
- E. STRAIGHT HORIZONTAL PIPE OR ≥64" BEFORE FLOWVIS.

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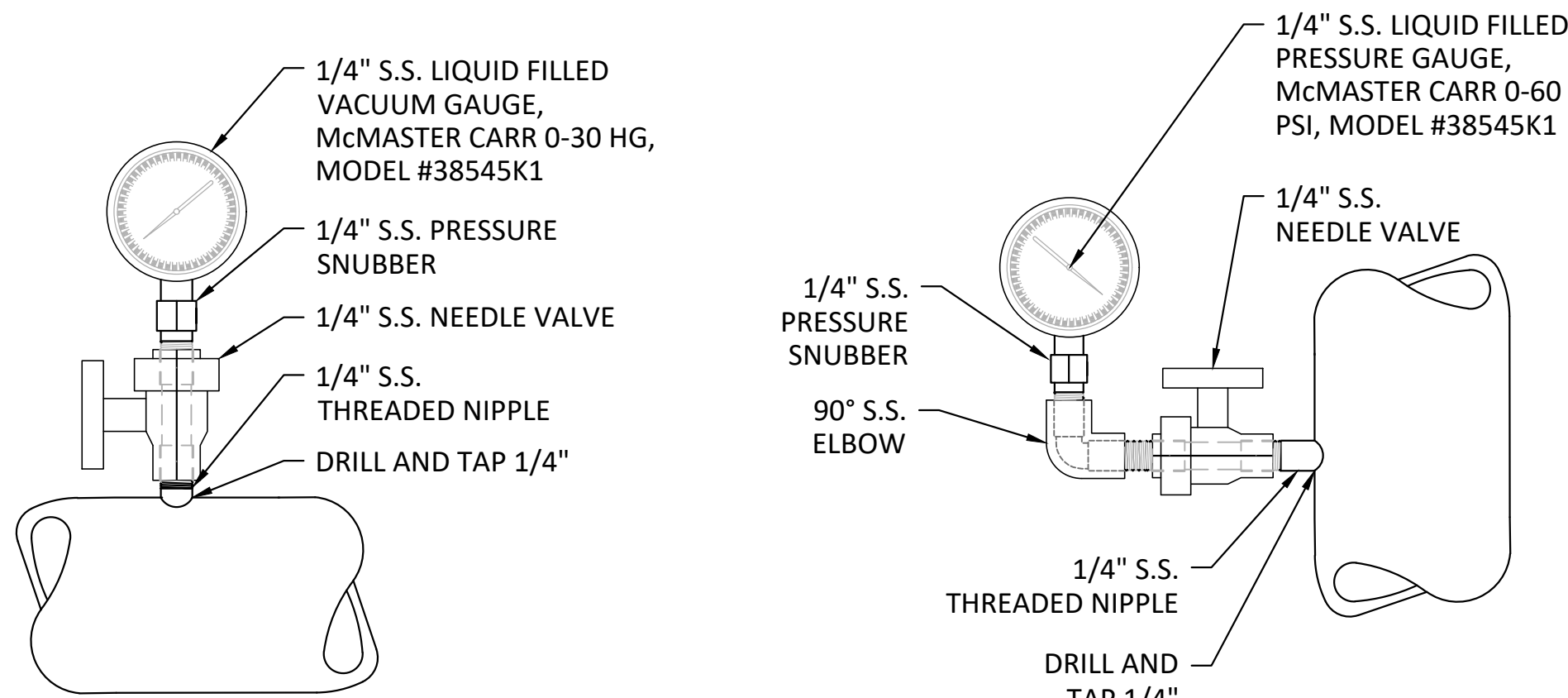
ISSUE / REVISION:	DATE:
ISSUED 100% CD'S	07/01/2024

JOB NO.: 22077	DATE: 08/28/2023
DRAWN BY: K.DESJARDIS	SHEET SIZE: 24" x 36"
CHECKED BY: P.MORELLI	SCALE: AS SHOWN
SHEET TITLE:	

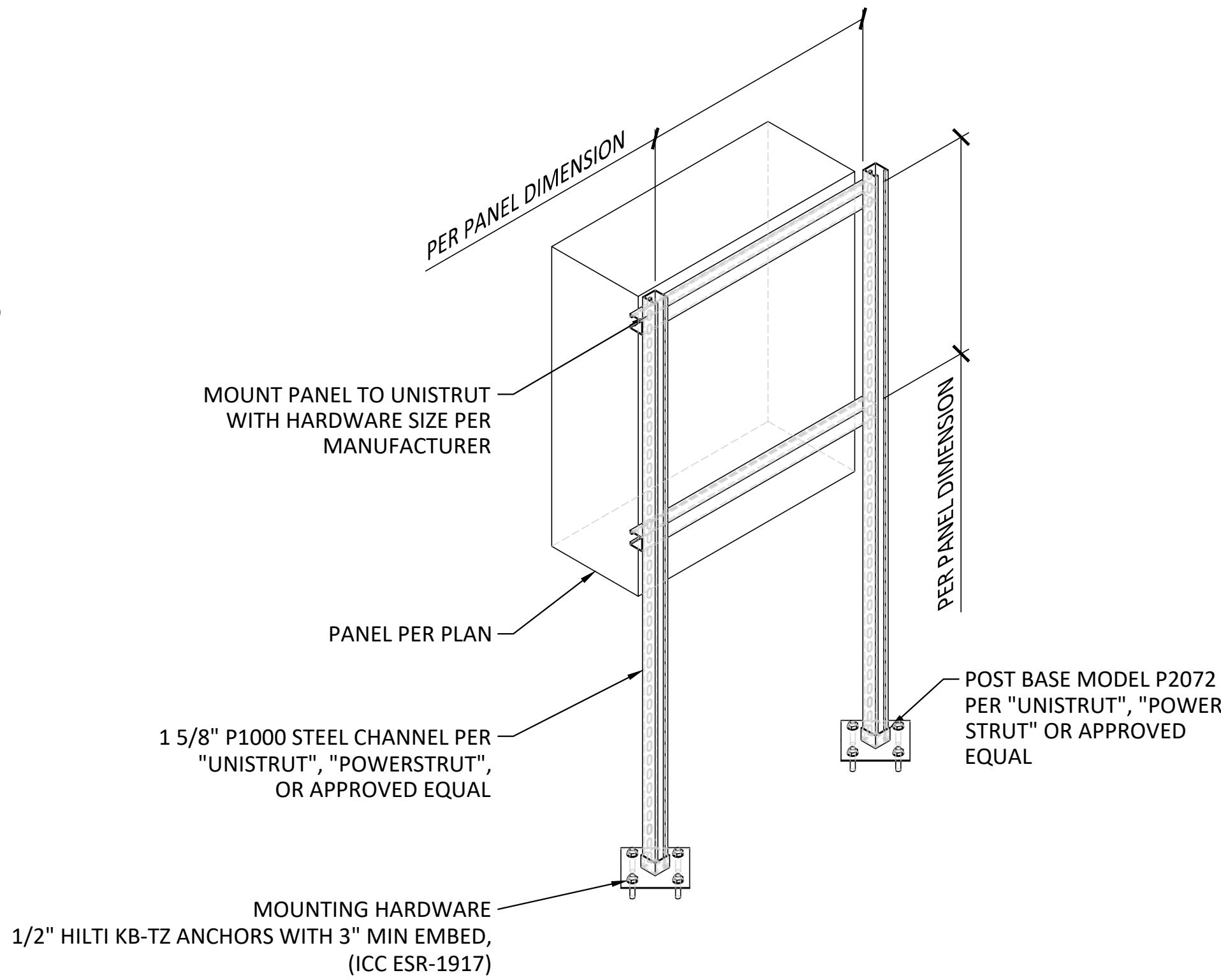
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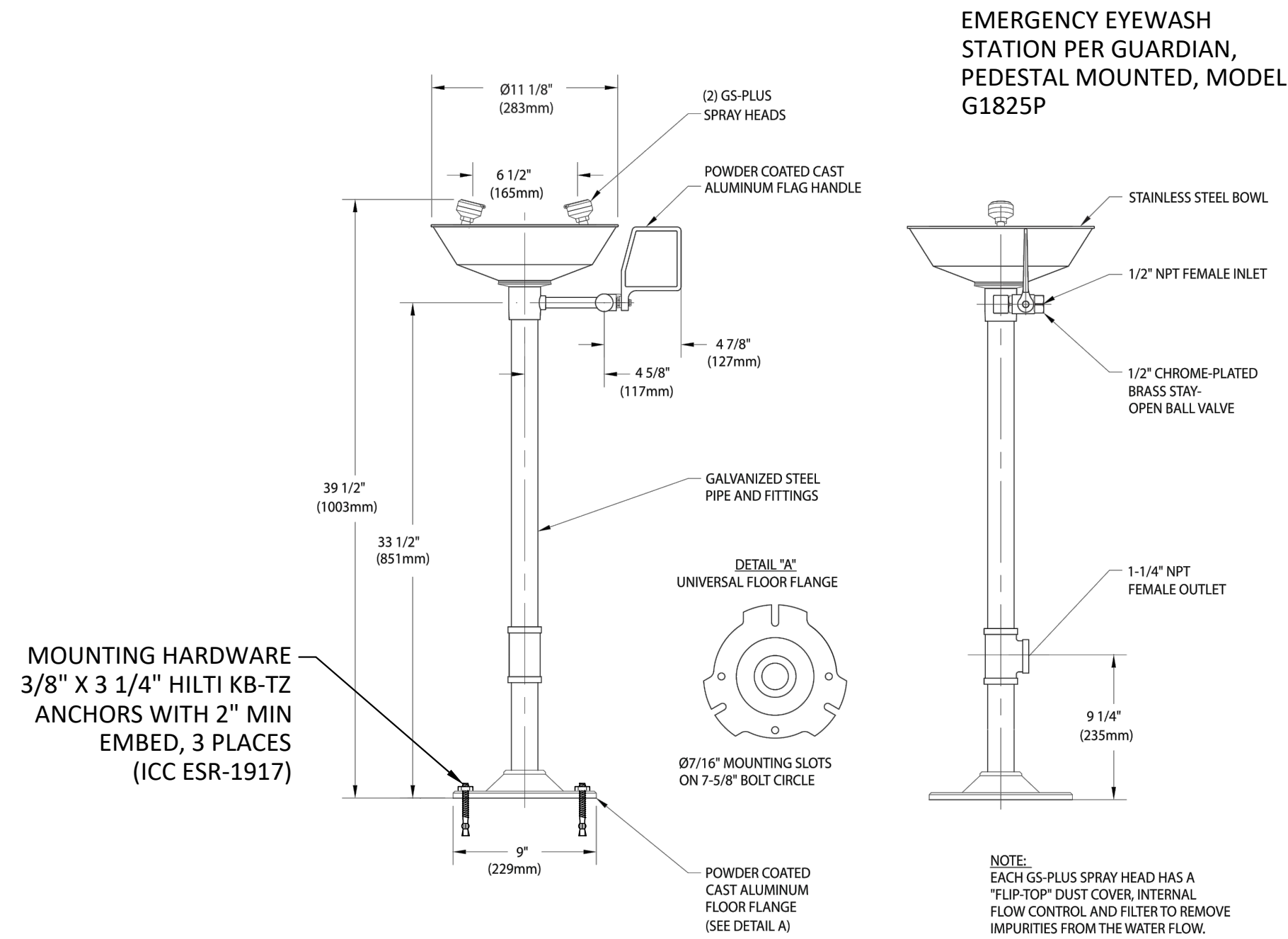
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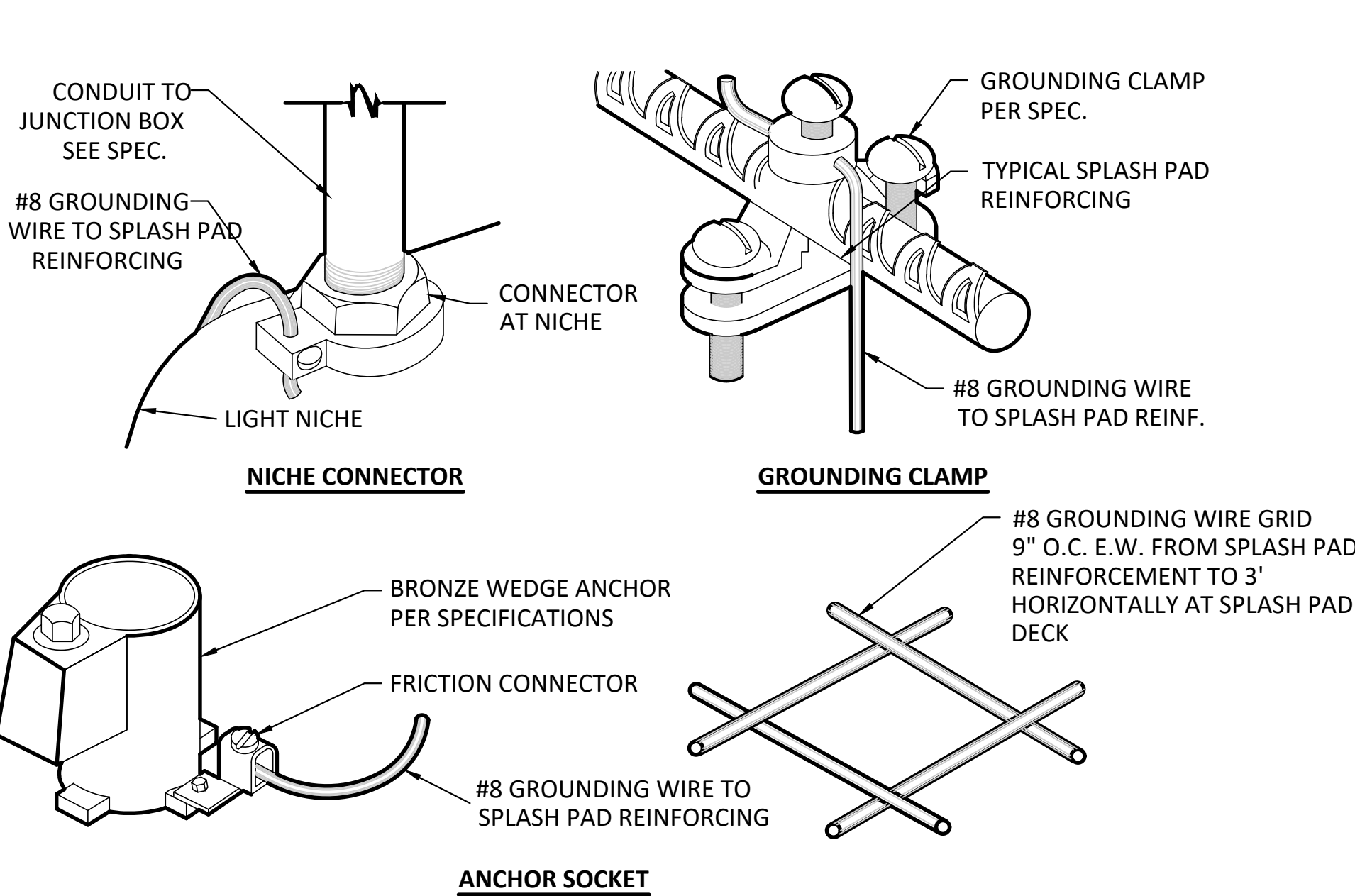
A VACUUM & PRESSURE GAUGES
SCALE: NOT TO SCALE



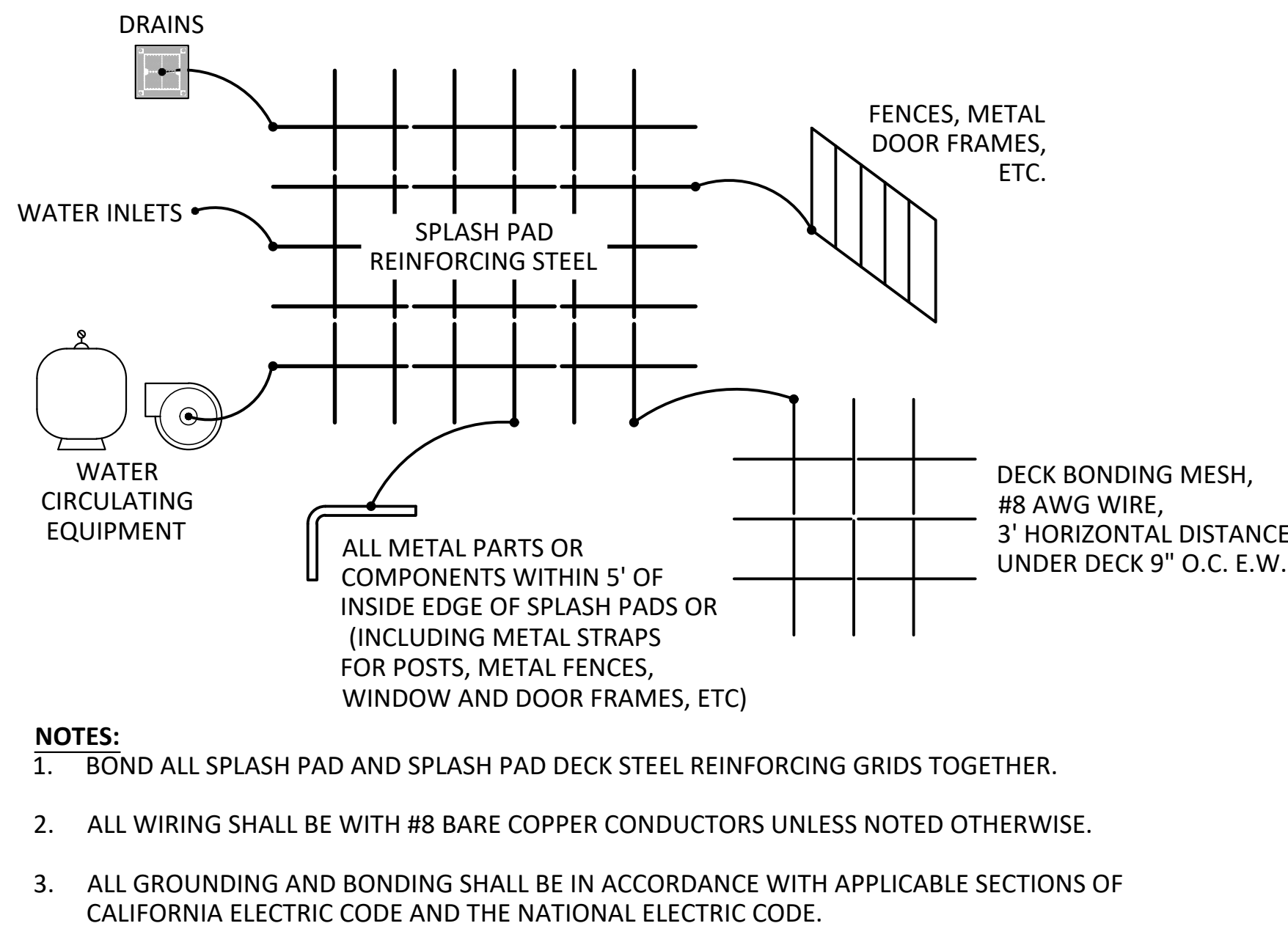
B UNISTRUT PANEL MOUNTING (AS NEEDED)
SCALE: NOT TO SCALE



C EMERGENCY EYEWASH STATION
SCALE: 1-1/2" = 1'-0"



D BONDING DETAILS
SCALE: NOT TO SCALE



- NOTES:**
- BOND ALL SPLASH PAD AND SPLASH PAD DECK STEEL REINFORCING GRIDS TOGETHER.
 - ALL WIRING SHALL BE WITH #8 BARE COPPER CONDUCTORS UNLESS NOTED OTHERWISE.
 - ALL GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF CALIFORNIA ELECTRIC CODE AND THE NATIONAL ELECTRIC CODE.

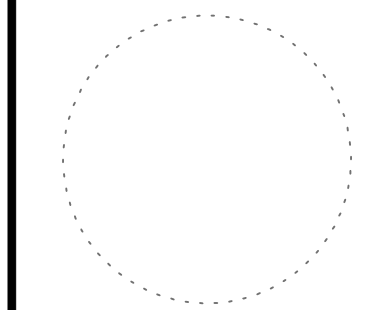
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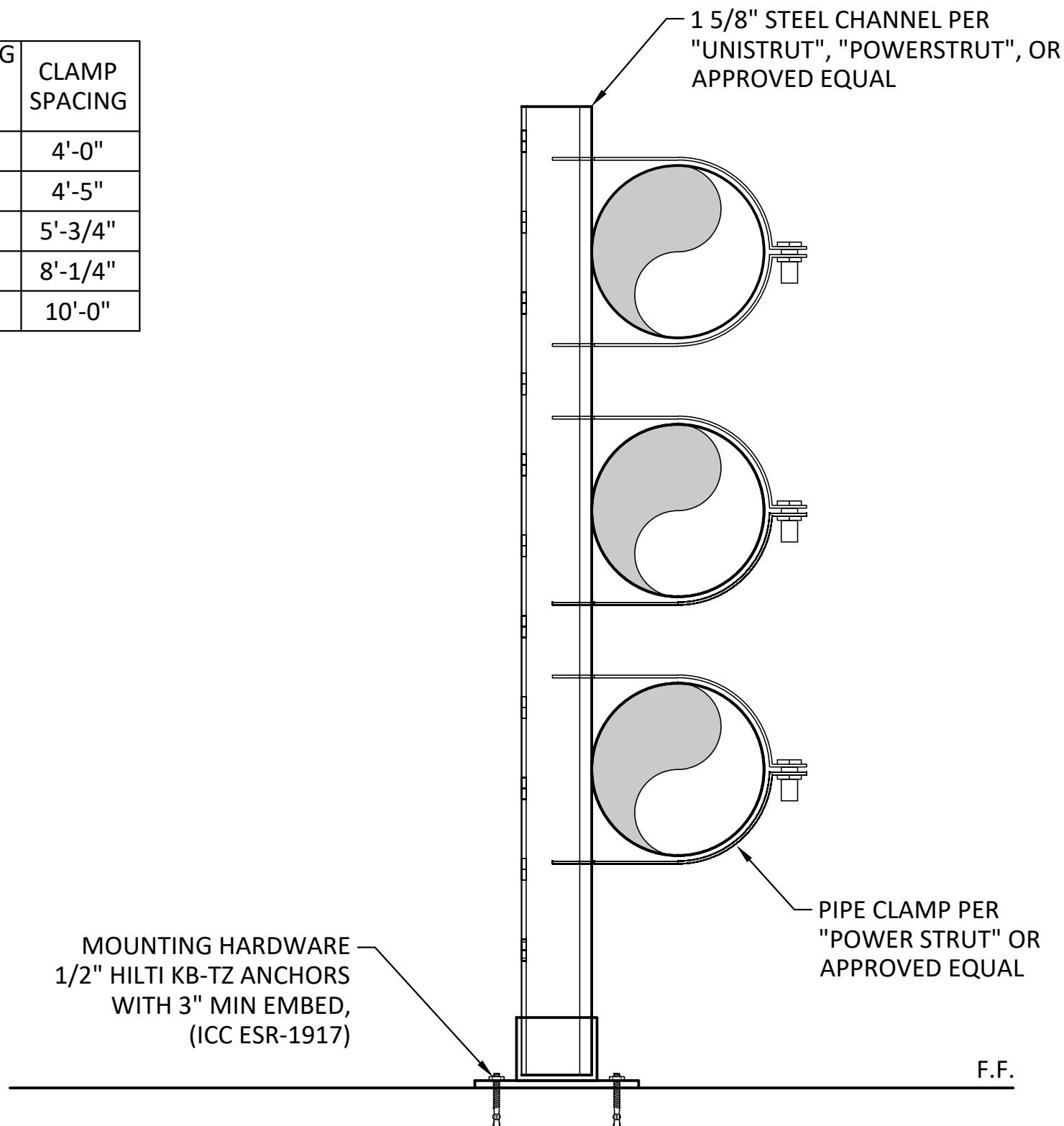
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CHECKED BY: P.MORELLI	SCALE: AS SHOWN
SHEET TITLE:	

MECHANICAL DETAILS

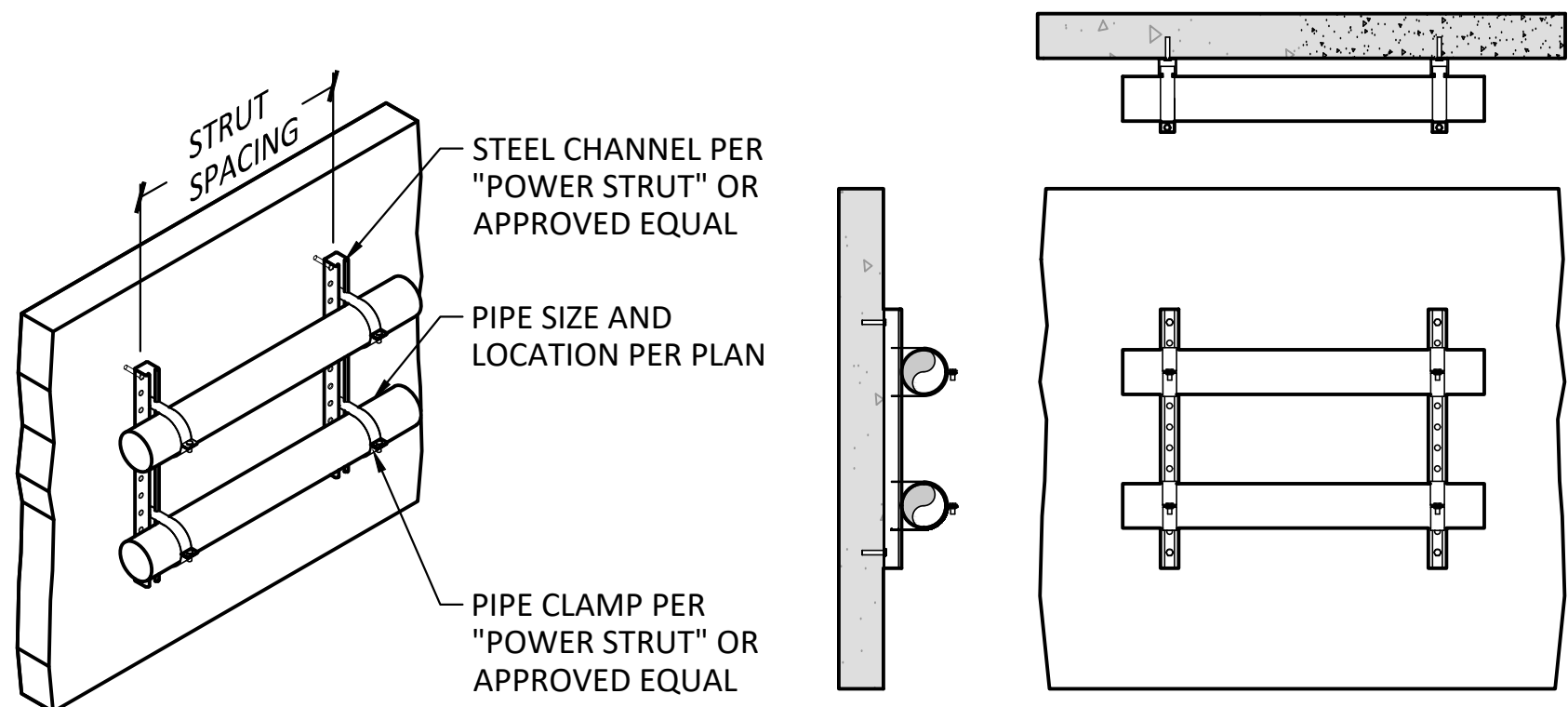
SHEET NUMBER:

SP-6.02

PVC PIPE SIZE	MAX. HANGING LOAD RATING (LBS)	CLAMP SPACING
3/8" TO 1/2"	400	4'-0"
3/4" TO 1 1/4"	600	4'-5"
1 1/2" TO 3"	800	5'-3/4"
3 1/2" TO 5"	1000	8'-1/4"
6" TO 12"	1000	10'-0"



FREE STANDING UNISTRUT PIPE SUPPORT

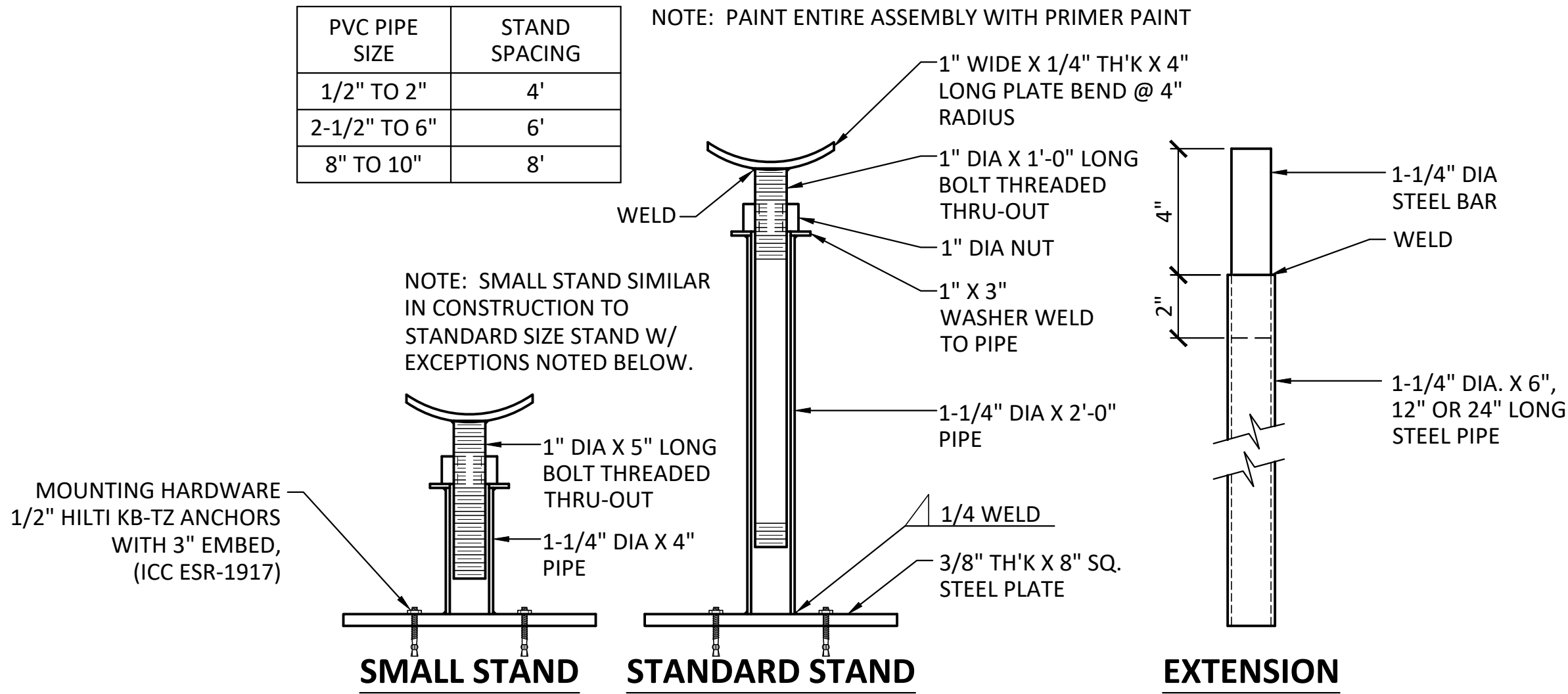


PVC PIPE SIZE	MAX. HANGING LOAD RATING (LBS)	STRUT SPACING	*HILTI KWIKBOLT MODEL #	SIZE (INCHES)
3/8" TO 1/2"	400	4'-0"	KB3 304SS38-5	3/8 X 5
3/4" TO 1 1/4"	600	4'-5"	KB3 304SS38-5	3/8 X 5
1 1/2" TO 3"	800	5'-3/4"	KB3 304SS12-512	1/2 X 5-1/2
3 1/2" TO 5"	1000	8'-1/4"	KB3 304SS58-7	5/8 X 7
6" TO 12"	1000	10'-0"	KB3 304SS34-8	3/4 X 8

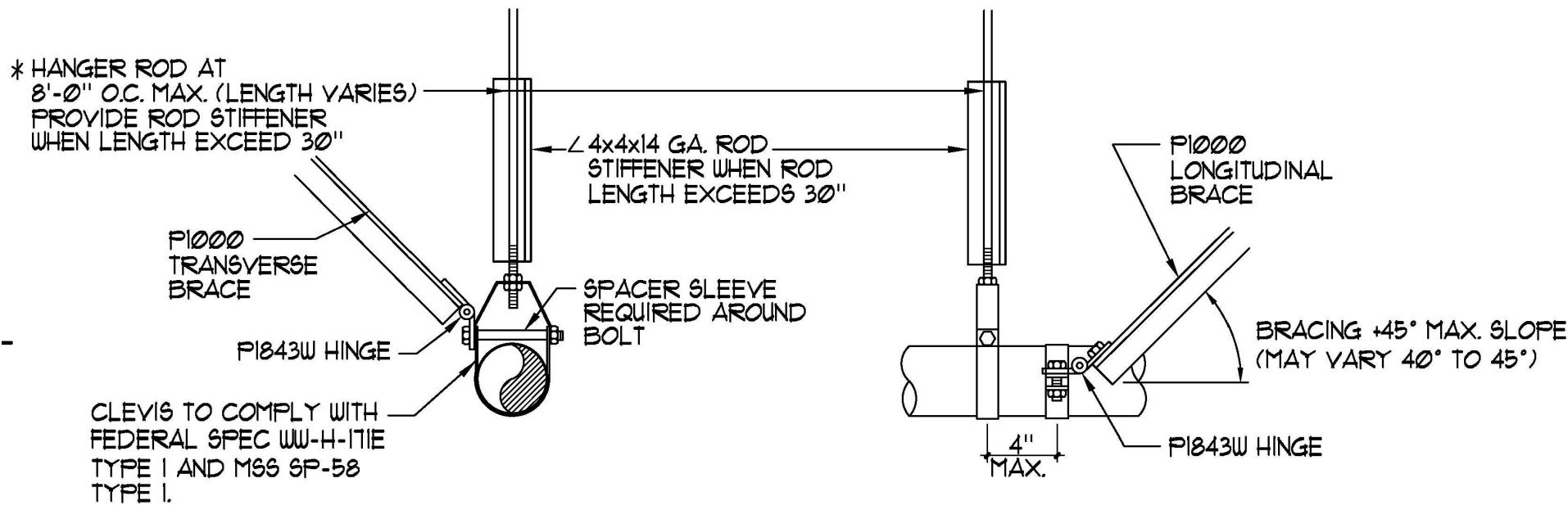
* USE HILTI KWIKBOLT FOR CONNECTION TO CAST-IN-PLACE CONCRETE CEILINGS. USE BOLTS SUPPLIED W/ HANGERS FOR CONNECTION TO STEEL OR WOOD.

PIPE SUPPORT AT WALL

PVC PIPE SIZE	STAND SPACING
1/2" TO 2"	4'
2-1/2" TO 6"	6'
8" TO 10"	8'



PIPE STAND 10" OR SMALLER



NOTE:
REFER TO STRUCTURAL PLANS FOR CONNECTIONS TO ROOF STRUCTURAL SYSTEMS.

* HANGER ROD SIZES/TABLE
 3/8" * AT 4" PIPING MAX. ROD LENGTH = 30"
 3/4" * AT 6" PIPING MAX. ROD LENGTH = 30"
 1/2" * AT 12" PIPING MAX. ROD LENGTH = 30"

- NOTES:
1. SIZE HANGER AND CLAMP TO ADEQUATELY SUPPORT LOAD
 2. FOR COPPER TUBING USE COPPER PLATED OR PAINTED B3104CT, FELT LINED B3100F, OR PLASTIC COATED B3100C.
 3. PROVIDE BRACING FOR EACH PIPE RUN IN TWO DIRECTIONS.

SEISMIC UNITSTRUT PIPE SUPPORT AND HANGERS

PIPE SUPPORTS
SCALE: NOT TO SCALE

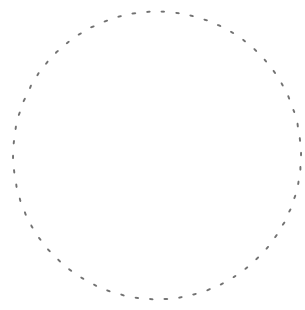
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ENGINEERING STAMP:



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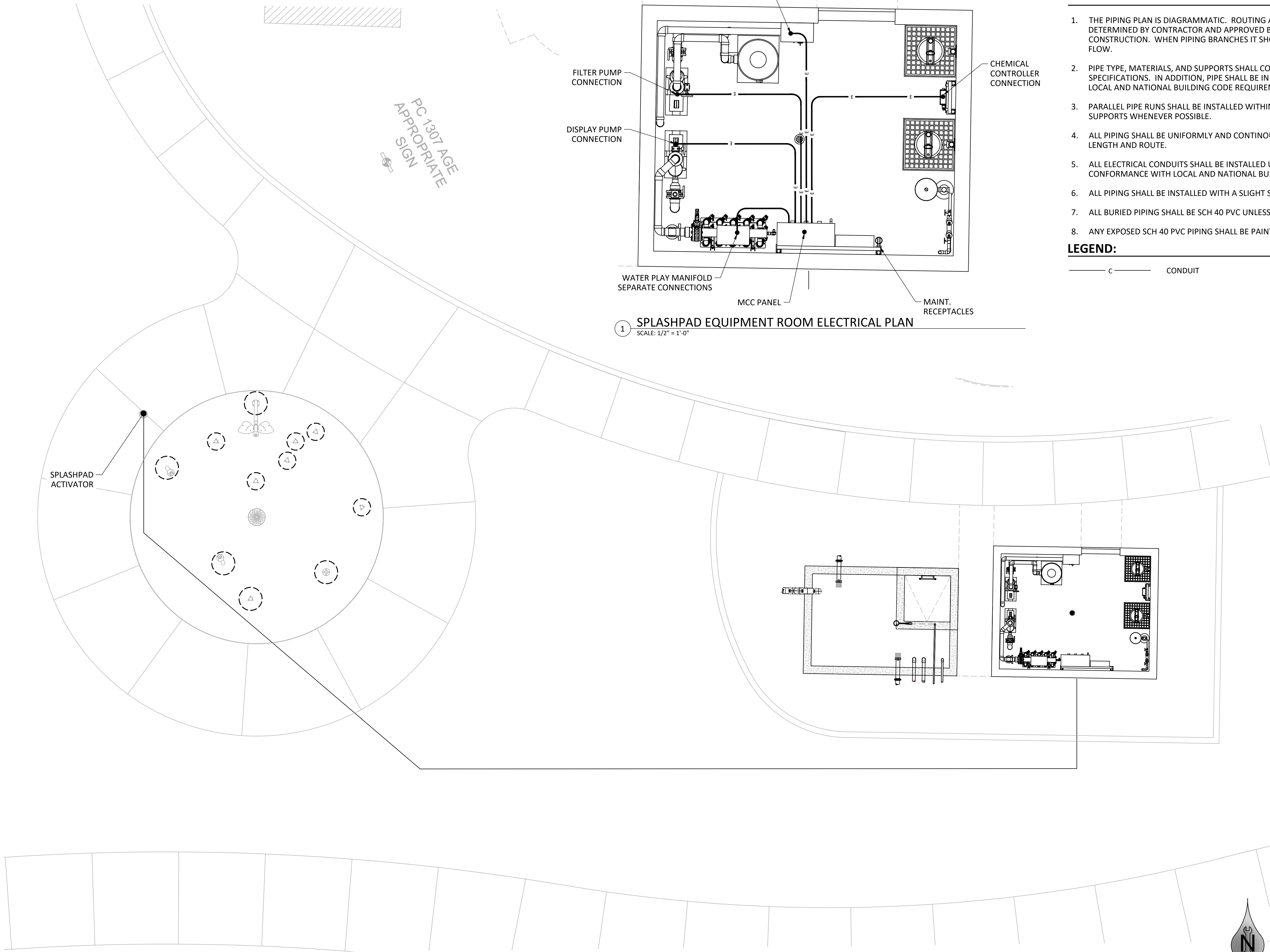
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AS SHOWN
SHEET TITLE:

MECHANICAL DETAILS

SHEET NUMBER:

SP-6.03



1 SPLASHPAD ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

PIPING NOTES:

1. THE PIPING PLAN IS DIAGRAMMATIC. ROUTING AND FINAL LAYOUT TO BE FIELD DETERMINED BY CONTRACTOR AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION. WHEN PIPING BRANCHES IT SHOULD BE BALANCED FOR EVEN FLOW.
2. PIPE TYPE, MATERIALS, AND SUPPORTS SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN ADDITION, PIPE SHALL BE IN CONFORMANCE WITH CBC, CPC, LOCAL AND NATIONAL BUILDING CODE REQUIREMENTS.
3. PARALLEL PIPE RUNS SHALL BE INSTALLED WITHIN COMMON TRENCHES AND OR PIPE SUPPORTS WHENEVER POSSIBLE.
4. ALL PIPING SHALL BE UNIFORMLY AND CONTINUOUSLY SUPPORTED OVER ITS ENTIRE LENGTH AND ROUTE.
5. ALL ELECTRICAL CONDUITS SHALL BE INSTALLED USING SWEEP FITTINGS IN CONFORMANCE WITH LOCAL AND NATIONAL BUILDING CODES.
6. ALL PIPING SHALL BE INSTALLED WITH A SLIGHT SLOPE BACK TO EQUIPMENT ROOM.
7. ALL BURIED PIPING SHALL BE SCH 40 PVC UNLESS NOTED OTHERWISE.
8. ANY EXPOSED SCH 40 PVC PIPING SHALL BE PAINTED WITH UV RESISTANT PAINT.

LEGEND:

C CONDUIT

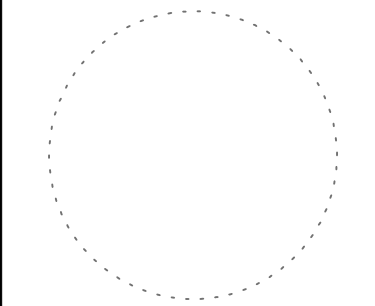
PROJECT:

NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:



ISSUE / REVISION: DATE:
ISSUED 100% CD'S 07/01/2024

JOB NO.: 22077 DATE: 08/28/2023
DRAWN BY: K.DESJARLAIS SHEET SIZE: 24" x 36"
CHECKED BY: P.MORELLI SCALE: AS SHOWN
SHEET TITLE:

ELECTRICAL PLAN

SHEET NUMBER:

SP-7.00

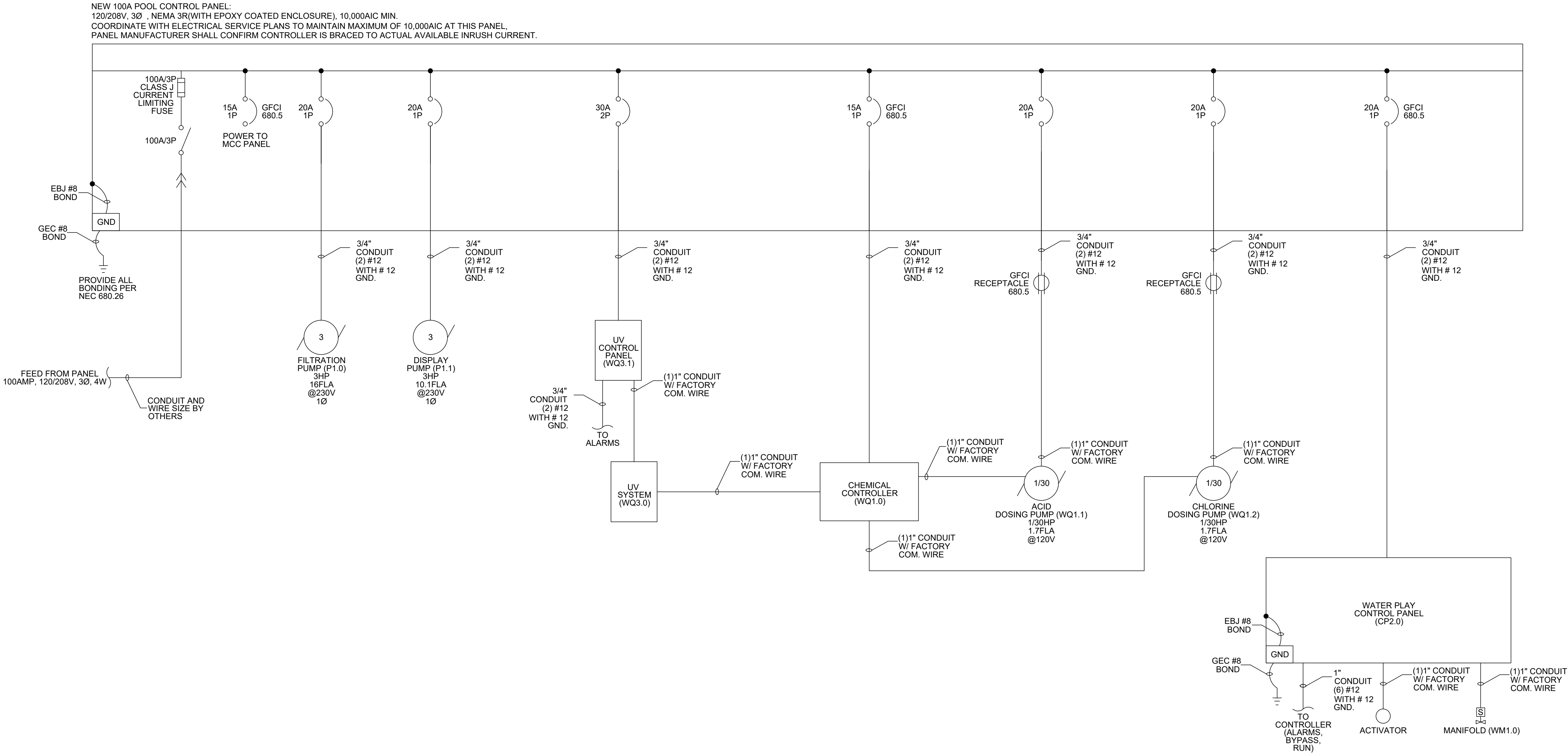
CONTROL PANEL LOAD CALCULATION SUMMARY		
QTY	LOAD DESCRIPTION	A#
1	FILTRATION PUMP	2200
1	DISPLAY PUMP	2200
1	UV CONTROL PANEL	4160
1	CHEMICAL CONTROLLER	240
1	GFCI RECEPTACLE	204
1	GFCI RECEPTACLE	204
1	WATER PLAY CONTROL PANEL	552
1	FLOW SWITCHES	240
1	CONTROL CIRCUIT	240
1	25% LARGEST MOTOR	550
TOTAL VA		10790
TOTAL AMPS		89.91

WATERPLAY CONTROL PANEL LOAD CALCULATION SUMMARY		
QTY	LOAD DESCRIPTION	A#
1	ACTIVATOR	100
1	MANIFOLD	252
1	CONTROL	200
TOTAL VA		552
TOTAL AMPS		4.60

UV CONTROL PANEL LOAD CALCULATION SUMMARY		
QTY	LOAD DESCRIPTION	A#
1	UV SYSTEM	4160
TOTAL VA		4160
TOTAL AMPS		20.00

GENERAL ELECTRICAL NOTES

- ELECTRICAL WORK SHALL COMPLY WITH CALIFORNIA AND LOCAL JURISDICTION CODES, CEC 2016 & CaiGREEN CODE.
- ALL WORK SHALL BE DONE IN A NEAT, WORKMANLIKE, FINISHED AND SAFE MANNER, ACCORDING TO THE LATEST PUBLISHED NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION STANDARDS OF INSTALLATION, UNDER COMPETENT SUPERVISION.
- CONTRACTOR SHALL PAY FOR PERMITS AND INSPECTIONS AS MAY BE REQUIRED AND PROVIDE A CERTIFICATE OF INSPECTION TO THE OWNER.
- PROVIDE EMT INDOOR AND GRS OUTDOOR FOR ABOVE GROUND CONDUIT. WHERE METALLIC CONDUITS COME IN CONTACT WITH DIRT, THEY SHALL BE HALF LAP WRAPPED WITH SCOTCH 50 TAPE (40MIL) TO 12" AFG. FITTINGS SHALL BE STEEL, THREADED TYPE WITH INSULATED THROATS. SECURELY ATTACH ALL SURFACE MOUNTED CONDUIT EVERY 10 FEET AND WITHIN 3 FEET OF EACH JUNCTION BOX, PER NEC ARTICLE 344.30. FERROUS PIPING IS PROHIBITED UNDER SLABS.
- PER 680.14 "AREAS WHERE POOL SANITATION CHEMICALS ARE STORED, AS WELL AS AREAS WITH CIRCULATION PUMPS, AUTOMATIC CHLORINATORS, FILTERS, OPEN AREAS UNDER DECKS ADJACENT TO OR ABUTTING THE POOL STRUCTURE, AND SIMILAR LOCATIONS SHALL BE CONSIDERED TO BE A CORROSIVE ENVIRONMENT." CONDUIT IN CORROSIVE ENVIRONMENT SHALL BE PVC COATED GRS OR PVC SCHEDULE 80.
- ALL FEEDERS AND BRANCH CIRCUIT WIRE SHALL BE COPPER TYPE XHHW (75 DEGREE C) FOR BELOW GRADE INSTALLATIONS (AND CONDUIT RISERS) AND THHN/THWN (75 DEGREE C) FOR ABOVE GRADE INSTALLATIONS. MINIMUM SIZE SHALL BE #12 AWG, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS OR IN DETAILS. ALL WIRING SHALL BE IN CONDUIT. ALUMINUM WIRE SMALLER THAN #6 AWG SHALL REQUIRE SPECIAL CONTINUOUS INSPECTION PER CITY.
- A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR (BOND) SHALL BE INSTALLED WITHIN EACH RACEWAY PER NEC CODE.
- ALL TRENCHING, CONDUITS, ETC. SHALL BE ROUTED AND INSTALLED IN SUCH A MANNER THAT WILL NOT DAMAGE EXISTING FACILITIES. SHOULD DAMAGE OCCUR, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR DAMAGE TO THE SATISFACTION OF THE OWNER OR INSPECTOR.
- ALL CONDUIT RUNS SHOWN ON THIS PLAN ARE SCHEMATIC IN NATURE. THE CONTRACTOR SHALL MAKE SURE THAT ALL CONDUIT, ETC. FALLS WITHIN THE CONSTRUCTION AREA/RIGHT OF WAY. (THIS INCLUDES MAINTAINING ALL REQUIRED CLREANCES.)
- ALL CIRCUITS SHALL BE LEGIBLY IDENTIFIED AT THE PANEL, JUNCTION BOXES AND AT ALL EQUIPMENT IN A PERMANENT MANNER (I.E. ETCHED PLATES, CONDUCTOR TAG, ETC.) THE LABELING SHALL INCLUDE PANEL CIRCUIT NUMBER, "TO" AND "FROM" IDENTIFICATION, AND MARKED "SPARE") WHERE APPLICABLE.
- ALL OUTDOOR ELECTRICAL EQUIPMENT SHALL BE NEMA-3R OR NEMA-4 ENCLOSURES.
- ALL WIRING DEVICES SHALL BE SPECIFICATION GRADE. ALL 15 AND 20 AM, 125 AND 250 VOLT, NONLOCKING RECEPTACLES INSTALLED OUTDOORS SHALL BE LISTED WEATHER RESISTANT TYPE. ALL WEATHERPROOF WHILE IN-USE RECEPTACLE COVERS SHALL BE METAL.
- PROVIDE GROUND FAULT CIRCUIT INTERRUPTERS PER 680.5.



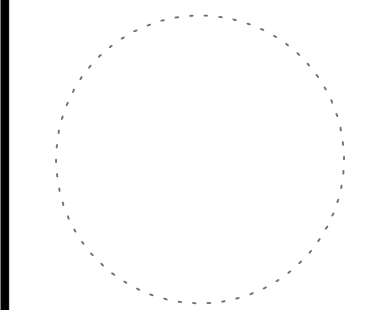
PROJECT:

NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:



ISSUE / REVISION:	DATE:
ISSUED 100% CD'S	07/01/2024

JOB NO.: 22077	DATE: 08/28/2023
DRAWN BY: K.DESJARLAIS	SHEET SIZE: 24" x 36"
CHECKED BY: P.MORELLI	SCALE: AS SHOWN

SHEET TITLE:
ELECTRICAL SINGLE
LINE DIAGRAM

SHEET NUMBER:

SP-7.01

SHOTCRETE:

1. SHOTCRETING SHALL CONFORM TO ALL REQUIREMENTS OF ACI 506, EXCEPT AS MODIFIED BY THE FOLLOWING REQUIREMENTS: APPLICATORS OF STRUCTURAL WET MIX SHOTCRETE SHALL HAVE A COPY OF ACI 506 ON EACH WORK SITE AT THE TIME OF SHOTCRETING. THE WORD "SHALL" SHALL BE SUBSTITUTED WHENEVER THE WORD "SHOULD" OCCURS IN ACI 506. THE CONCRETE MIX SHALL COMPLY WITH THE CODE AND SHALL NOT BE BATCHED VOLUMETRICALLY. A TEST CONSISTING OF AT LEAST TWO CYLINDERS AT 28 DAYS SHALL ALSO BE REQUIRED. ALL OTHER APPLICABLE REQUIREMENTS OF THE CODE (INCLUDING ALL REQUIREMENTS FOR PNEUMATICALLY PLACED WET MIXED MORTAR) SHALL APPLY, INCLUDING MAXIMUM TIME-IN MIXER.
2. SHOTCRETE MIX DESIGN AND TESTING SHALL COMPLY WITH ACI 506.2 AND STRUCTURAL CONCRETE NOTES. STRUCTURAL WET MIX SHOTCRETE SHALL NOT BE PLACED WHERE THE STREAM FROM THE NOZZLE CANNOT DIRECTLY IMPINGE ON THE SURFACE ON WHICH THE CONCRETE IS TO BE WHERE THE CONDITION PRECLUDES THE POSSIBILITY OF OBTAINING CORES FROM THE STRUCTURE, THIS METHOD SHALL NOT BE USED.
3. SHOTCRETE CONTRACTOR SHALL SHOW A MINIMUM OF 5 YEARS EXPERIENCE ON SIMILAR PROJECTS AND SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. ONLY A QUALIFIED PERSON ON THE NOZZLE WITH A MINIMUM OF THREE YEARS STRUCTURAL WET MIX SHOTCRETE EXPERIENCE AND POSSESSING WRITTEN DOCUMENTATION OF THAT EXPERIENCE SHALL APPLY WET MIX SHOTCRETE. THE WET MIX SHOTCRETE SUPERVISOR AND THE PERSON AT THE NOZZLE SHALL PROVIDE A RESUME APPROVED BY THE DEPARTMENT PRIOR TO PLACING. THE SUBCONTRACTOR WHO WILL PLACE THE SHOTCRETE SHALL SUPPLY A WRITTEN RESUME OF HIS/HER EXPERIENCE IN THE PLACING OF STRUCTURAL SHOTCRETE (OTHER THAN SWIMMING AND LOCATIONS OF PREVIOUS JOBS APPROVED BY THE DEPARTMENT.
4. THE MINIMUM SPACING OF THE REINFORCING STEEL SHALL BE SIX BAR DIAMETERS FOR WALLS WITH ONE CURTAIN OF STEEL. WHERE TWO CURTAINS OF STEEL ARE PROVIDED, THE CURTAIN NEAREST THE NOZZLE SHALL HAVE A MINIMUM SPACING OF 12 BAR DIAMETERS AND THE REMAINING CURTAIN SHALL HAVE A MINIMUM SPACING OF SIX BAR DIAMETERS, REINFORCING STEEL SHALL HAVE A MINIMUM SPACING OF THREE BAR DIAMETERS AT SPLICES. IN ALL CASES, THE MINIMUM CLEAR DISTANCE BETWEEN REINFORCING BARS (OTHER THAN MESH) SHALL BE 2 1/2". EXCEPTION: CONTACT SPLICES MAY BE USED FOR NO. 5 BARS AND SMALLER.
5. CONTINUOUS INSPECTION BY A REGISTERED DEPUTY BUILDING INSPECTOR IS REQUIRED DURING PLACEMENT OF SHOTCRETE AND TAKING OF CORES.
6. PRODUCE A CONSTRUCTION TEST PANEL FOR EACH MIX AND EACH WORK DAY OR EVERY 50 CUBIC YARDS, WHICHEVER IS LESS. OBTAIN TEST SPECIMENS FROM EITHER A JOB SITE TEST PANEL PER ASTM C 1140 OR IN-PLACE SHOTCRETE PER ASTM C 42. GRADE CORES WITH REINFORCEMENT PER ACI 506.2 SECTION 1.7. TEST UNREINFORCED CORES PER ACI 506.2 SECTION 1.6 FOR CONFORMANCE TO CONCRETE COMPRESSIVE STRENGTH INDICATED. CORE LOCATIONS SHALL BE FREE OF VOIDS AND REBOUND. CORE LOCATIONS SHALL BE SELECTED BY THE SPECIAL INSPECTOR WITH APPROVAL BY THE ENGINEER OF RECORD.
7. DETAILS OF COLD JOINTS, INCLUDING SLOPE OF JOINTS, SHALL BE PLACED ON THE APPROVED PLANS AND BE APPROVED WITH THE SIGNATURE OF THE DESIGN ENGINEER. WHEN SHOOTING UP TO UNDERSIDE OF EXISTING CONCRETE, THE LAST TWO INCHES SHALL BE DRY PACKED OR AN APPROVED METHOD OF DRY PNEUMATIC CONCRETE USED. EXCEPTION: PROVIDED THE DETAIL OF THE JOINT IS SLOPED SO THAT THE CLOSURE OF THE COLD JOINT MADE WITH STRUCTURAL WET MIX SHOTCRETE DOES NOT SAG AWAY FROM THE UPPER SURFACE AND PROVIDED BOTH SIDES OF THE COLD JOINT HAVE TAKEN THEIR INITIAL SET, THE JOINT CLOSURE MAY BE MADE WITH STRUCTURAL WET MIX SHOTCRETE.
8. REINFORCING STEEL WILL BE SECURELY TIED IN PLACE IN A MANNER THAT PREVENTS ANY MOVEMENT DURING THE WET MIX SHOTCRETING.
9. THE HEIGHT OF A LAYER SHALL BE LIMITED TO NOT MORE THAN THREE FEET AND A SUCCEEDING LAYER SHALL NOT BE PLACED IN MORE THAN 30 MINUTES. NO SLOUGHING OR SAGGING SHALL BE PERMITTED. EXCEPTION: A ENGINEER OF RECORD MAY AUTHORIZE A SUCCEEDING LAYER TO BE PLACED IN MORE THAN 30 MINUTES. FOR SUCCEEDING LAYERS EXCEEDING 30 MINUTES, TAPER JOINT TO A THIN EDGE. CLEAN AND WET JOINT PRIOR TO APPLYING SUCCEEDING LAYER. NO SLOUGHING OR SAGGING SHALL BE PERMITTED.
10. THE MINIMUM SLUMP SHALL BE 1 1/2" AND THE MAXIMUM SHALL BE 2 1/2". SLUMP SHALL BE MEASURED AT THE POINT OF DISCHARGE FROM THE MIXER.
11. A CAPABLE NOZZLEPERSON'S HELPER WITH AN AIR BLOW PIPE SHALL BE PROVIDED TO ASSIST THE NOZZLE PERSON IN KEEPING ALL REBOUND BUILD-UP OUT OF THE WORK.
12. ADDITIONAL WORKERS MAY BE REQUIRED TO TAKE REBOUND FROM THE WORK IF THE REBOUND CANNOT BE REMOVED BY THE AIR BLOW PIPE.
13. SHOTCRETE PLACEMENT OVER EARTH:
- A. RIGID BACKING: PRIOR TO SHOTCRETE APPLICATION, PLACE RIGID OR OTHER APPROVED BACKING AGAINST EARTH WHERE THERE IS ANY LIKELYHOOD OF SOIL BEING DISLODGED IN SUFFICIENT QUANTITY TO DAMAGE SHOTCRETE. ALSO, PLACE BACKING WHERE VOIDS IN EMBANKMENT ARE TO BE BRIDGED.
- B. SLOUGHING EARTH: IF PREVIOUSLY PRESUMED SOLID EMBANKMENT SHOULD SLOUGH DIRT IN SUFFICIENT QUANTITY TO DAMAGE SHOTCRETE, DISCONTINUE SHOTCRETE PLACEMENT WORK IN THAT AREA UNTIL A RIGID BACKING IS INSTALLED AND CONTAMINATED SHOTCRETE IS REMOVED.
14. REMOVE LOOSE MATERIAL FROM SURFACE TO RECEIVE SHOTCRETE AND THOROUGHLY CLEAN AND WASH DOWN WITH WATER AND COMPRESSED AIR SURFACES. CONCRETE SURFACES SHALL BE THOROUGHLY WETTED PRIOR TO APPLICATION OF SHOTCRETE.
15. NO KEYWAYS OR EMBEDMENTS SHALL BE PLACED IN FRONT FACE THAT WILL INTERFERE WITH THE STREAM FROM THE NOZZLE.
16. THE CONTRACTOR SHALL PROVIDE A DESIGNATED LIAISON BETWEEN HIS/HER CREW, THE DEPUTY INSPECTOR AND THE BUILDING INSPECTOR.
17. THE SPECIAL INSPECTOR SHALL BE INTERVIEWED AND APPROVED BY DEPARTMENT REPRESENTATIVES PRIOR TO INSPECTING THE WORK AT THE JOBSITE, AND ONE DEPUTY SHALL BE ASSIGNED TO EACH NOZZLE.
18. REMOVE REBOUND AND DO NOT REUSE. CUT AWAY LAITANCE, SAGS, AND DEFECTS.

GENERAL

1. REFER TO THE TYPICAL DETAIL SHEETS FOR TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR SHOWN OTHERWISE. WHERE CONDITIONS REQUIRE MODIFICATIONS OF A TYPICAL DETAIL, THE CONTRACTOR SHALL SUBMIT MODIFIED DETAIL FOR APPROVAL BY THE ENGINEER OF RECORD PRIOR TO FABRICATION AND INSTALLATION. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONSTRUCTION.
2. CONTRACTOR SHALL CONSIDER THE PROJECT SPECIFICATIONS A PART OF THE CONTRACT DOCUMENTS. WHERE INFORMATION IS CONFLICTING, SPECIFIC DETAILS SHALL GOVERN OVER TYPICAL DETAILS WHICH SHALL GOVERN OVER THESE NOTES WHICH SHALL GOVERN OVER SPECIFICATIONS.
3. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL DIMENSIONS. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE OMITTED OR NOT CLEAR, CONTACT THE ARCHITECT (ARCH) OR ENGINEER OF RECORD (EOR). ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. DIMENSIONS ARE TO THE FACE OF STUDS, AND TO CENTERLINE OF COLUMNS UNO.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE EOR OF ANY CONFLICTS BETWEEN THE STRUCTURAL DRAWINGS AND OTHER DRAWINGS; OR EXISTING CONDITIONS NOT SHOWN OR DIFFERENT FROM THOSE SHOWN ON DRAWINGS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE SCOPE THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.
5. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE METHOD OF CONSTRUCTION.
6. SUBSTITUTION REQUESTS FOR MATERIALS SPECIFIED ON THE STRUCTURAL DRAWINGS MAY BE CONSIDERED WITH MATERIALS HAVING EQUIVALENT OR GREATER CAPACITY AND PERFORMANCE. CURRENT EVALUATION REPORTS AND PRODUCT INFORMATION SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER DEMONSTRATING THE REQUIRED CAPACITY AND PERFORMANCE OF THE MATERIAL TO BE SUBSTITUTED. WRITTEN APPROVAL FROM THE EOR SHALL BE OBTAINED PRIOR TO THE SUBSTITUTION OF ANY MATERIAL SPECIFIED ON THE STRUCTURAL DOCUMENTS.

GENERAL

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT. THE ARCHITECT, EOR, AND THE OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
2. ALL WORK IS NEW (N) UNLESS INDICATED AS EXISTING (E).
3. CONSTRUCTION MATERIALS SHALL BE DISTRIBUTED WHEN PLACED ON THE STRUCTURE SUCH THAT LOADS DO NOT EXCEED DESIGN LIVE LOADS OR RESULT IN AN UNBALANCED CONDITION.
4. CORE DRILLS REQUIRED SHALL NOT CUT ANY REINFORCING. THE CONTRACTOR IS TO COORDINATE WORK OF ALL TRADES TO ENSURE COMPLIANCE. ALL CORE DRILLS ARE TO BE PRESENTED TO THE INSPECTOR OF RECORD (IOR) FOR VERIFICATION. THE IOR IS TO DOCUMENT CORES EXAMINED INDICATING AN ABSENCE OF REINFORCING.
5. STRUCTURAL JOINT DIMENSIONS SHOWN ON PLANS (EXPANSION, SEISMIC, SEPARATION, ETC)(WHERE OCCURS) INDICATE THE MINIMUM CLEAR DISTANCE REQUIRED. SEE PLANS, DETAILS, AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

REINFORCING STEEL

1. REINFORCING GRADES FOR CONCRETE OR MASONRY:
- A) ALL BARS EXCEPT THOSE TO BE WELDED..... ASTM A615, GRADE 60
- B) ALL BARS TO BE WELDED ASTM A706, GRADE 60

NOTE: ALL BARS SHALL BE DEFORMED.

2. MAINTAIN MINIMUM CONCRETE COVER FROM FACE OF CONCRETE TO EDGE OF ALL REINFORCEMENT AS FOLLOWS (UNO):

CONDITION	COVER
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
FORMED AND EXPOSED TO EARTH OR WEATHER	
- #6 BARS AND LARGER	2"
- #5 BARS AND SMALLER	1 1/2"
UNEXPOSED RAISED SLABS AND WALL FACES (#11 BARS AND SMALLER)	3/4"
UNEXPOSED COLUMNS AND BEAMS	1 1/2"
STRUCTURAL SLABS ON GRADE	
- FROM BOTTOM OF SLAB	2"
- FROM TOP OF SLAB	1 1/2"
OTHER CONCRETE NOT EXPOSED TO WEATHER OR EARTH FOR #11 BARS AND SMALLER	3/4"

PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS. WHERE #3 STIRRUPS OR TIES ARE USED, ENSURE THAT THE COVER FOR LONGITUDINAL BARS IS ADEQUATE.

3. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE". EACH REINFORCING BAR SHALL BE WIRED TO A CROSS BAR AT A MAXIMUM SPACING OF 24"OC. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING IN POSITIONS SHOWN ON THE PLANS. DO NOT USE WOOD OR BRICK TO SUPPORT REINFORCING.
4. SPLICES IN CONTINUOUS REINFORCEMENT AS USED IN WALLS, WALL FOOTINGS, ETC., SHALL HAVE A CLASS "B" LAP (1'-6" MIN) AND THE SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5'-0" APART. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. BARS MAY BE WIRED TOGETHER AT SPLICES OR LAPS EXCEPT FOR TOP REINFORCING OF BEAMS AND SLABS OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED. WELDED WIRE FABRIC SHALL BE LAPPED 12" MINIMUM.
5. ALL DOWELS, ANCHOR BOLTS AND OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. NO WET SETTING, STABBING, RODDING OR OTHER MOVEMENT OF EMBEDDED ITEMS SHALL BE PERFORMED DURING PLACEMENT OF CONCRETE..

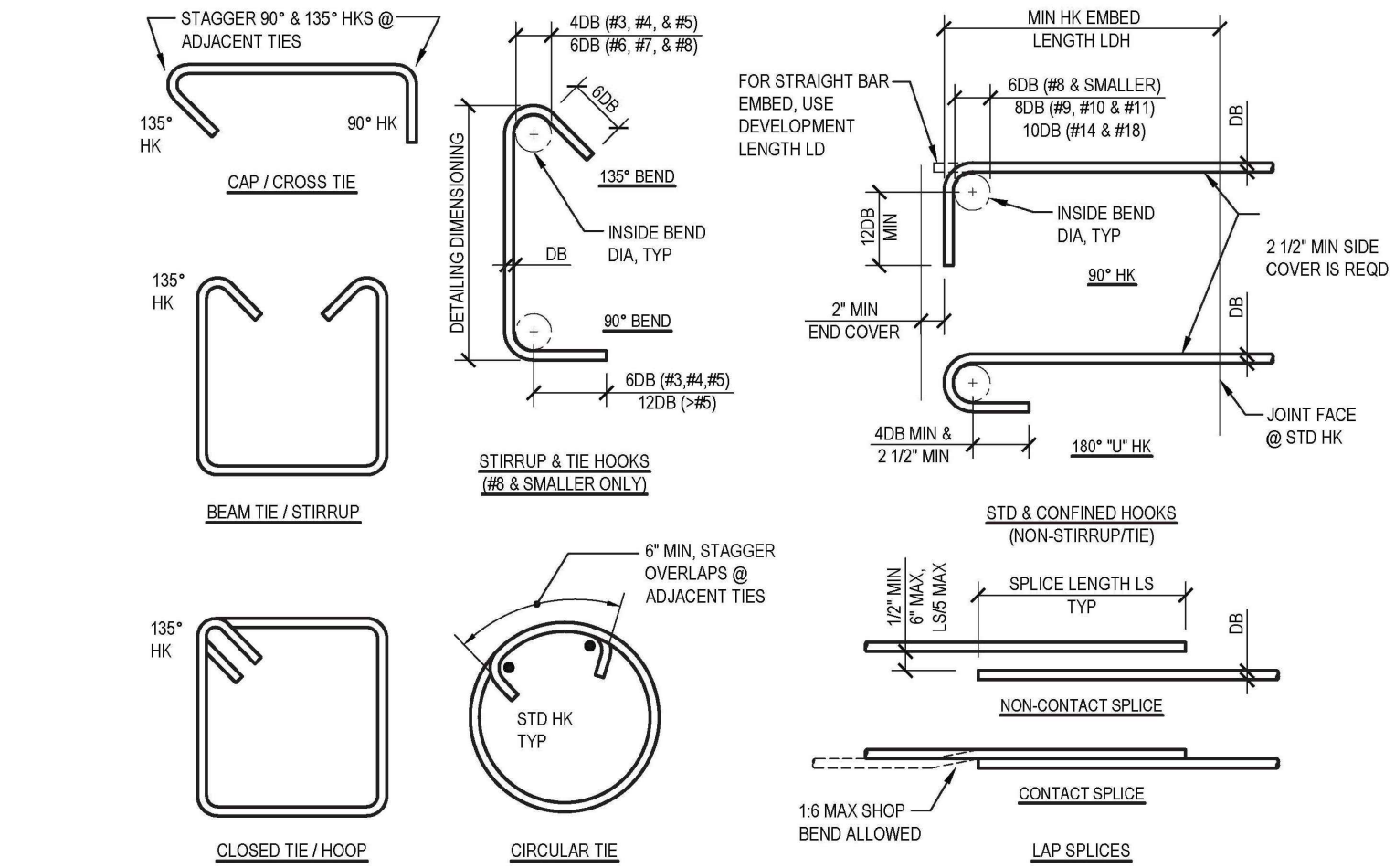
6. BEND REINFORCING BARS COLD.
7. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.
8. DOWELS BETWEEN FOOTING AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING AS THE MAIN REINFORCING UNO.
9. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN PLACE INSPECTION IS MADE.
10. CHAIRS OR SPACERS FOR REINFORCING SHALL BE PLASTIC WHEN RESTING ON EXPOSED SURFACES.
11. WHERE LONGITUDINAL REINFORCING BARS ARE PLACED IN 2 OR MORE LAYERS, BARS IN THE UPPER LAYERS SHALL BE PLACED DIRECTLY ABOVE BARS IN THE BOTTOM LAYER.
12. ALL BENDS WITHIN STIRRUPS, HOOPS, AND CROSS-TIES SHALL ENGAGE A LONGITUDINAL BAR. PROVIDE #4 SPACER BAR WHERE A LONGITUDINAL BAR IS NOT SPECIFICALLY DETAILED.
13. WELDING OF REINFORCING BARS SHALL BE PERFORMED PER AMERICAN WELDING SOCIETY (AWS) D1.4 USING E90XX ELECTRODES FOR A615 REINFORCING AND E80XX ELECTRODES FOR A706 REINFORCING.

STRUCTURAL CONCRETE

1. CONCRETE SHALL BE MIXED, PLACED AND CURED IN ACCORDANCE WITH ACI 318 AND ACI 301 LATEST EDITION, AND PROJECT SPECIFICATIONS.
2. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED SIX FEET. A SUFFICIENT NUMBER OF CHUTES OR TRUNKS SHALL BE USED TO ENSURE THE CONCRETE IS KEPT LEVEL AT ALL TIMES.
3. CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY REMOVING THE ENTIRE SURFACE TO EXPOSE CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE MORTAR MATRIX. SEE PLANS AND DETAILS FOR LOCATION AND TYPE OF CONSTRUCTION JOINT. LOCATIONS OF ADDITIONAL CONSTRUCTION JOINTS NOT SHOWN ON THESE PLANS SHALL BE SUBMITTED FOR APPROVAL TO THE EOR PRIOR TO PLACING ANY CONCRETE.
4. STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING DESIGN CRITERIA:

LOCATION	MIN. 28 DAY COMPRESSIVE STRENGTH	CONCRETE TYPE	MAX AGGREGATE SIZE	MAX W/C RATIO
SURGE TANK FLOOR / CEILING	4,500 PSI	NWC	1"	0.45
COMPONENT FOOTINGS	4,500 PSI	NWC	1 1/2"	0.45
SLAB ON GRADE	4,500 PSI	NWC	1"	0.45
SHOTCRETE (SURGE TANK WALLS)	4,500 PSI	NWC	3/8"	-

- 1.a. MAXIMUM AIR DRY UNIT WEIGHT OF LIGHTWEIGHT CONCRETE SHALL NOT EXCEED 110 PCF, UNLESS APPROVED BY EOR.
- 1.b. WHEN THE USE OF PLASTICIZER (ASTM C1017, TYPE I OR II) OR WATER REDUCER (ASTM C494, TYPE F OR G) IS USED, MAXIMUM SLUMP SHALL BE 4" PRIOR TO ADMIXTURE AND 8" INCLUDING ADMIXTURE AT THE POINT OF DELIVERY. IN THE ABSENCE OF PLASTICIZER AND WATER REDUCER, SLUMP AT THE POINT OF DELIVERY SHALL NOT EXCEED 4".
- 1.c. W/C RATIO INDICATES WATER TO CEMENTITIOUS MATERIALS RATIO.
- 1.d. FOR INTERIOR SLABS ON GRADE AND ALL OTHER SLABS RECEIVING ADHERED FLOORING FINISHES (I.E., GLOUED, ETC.), THE MAXIMUM W/C RATIO SHALL NOT EXCEED 0.46. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECEIVE FINISHES SHALL BE COMPATIBLE WITH TILE AND ADHESIVES OR GROUTS IN ACCORDANCE WITH MANUFACTURER'S DATA AND BE APPROVED BEFORE USE.
- 1.e. SLABS ON GRADE, TOPPING SLABS, AND ELEVATED CONCRETE FLOORS SHALL HAVE A MAXIMUM SHRINKAGE RATE OF 0.04% AT 28 DAYS PER ASTM C 157 (CURING TEST SPECIMENS TO BE CONSISTENT WITH FIELD CONDITIONS), OR USING EMBEDDED VIBRATING WIRE STRAIN GAUGES. RESULTS OF TESTING SHALL BE SUBMITTED TO ENGINEER.



REINFORCEMENT DETAILS AND DEVELOPMENT LENGTHS

SCALE: NOT TO SCALE

- 1.f. SEE ACI 318 FOR ADDITIONAL REQUIREMENTS REGARDING MAXIMUM AGGREGATE SIZE.
- 1.g. AGGREGATE GRADATION OF 3/8" MAXIMUM (PEA GRAVEL) SHALL NOT BE USED WHERE FINISHED CONCRETE SURFACE IS EXPOSED TO VIEW.
5. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF THE BUILDING CODE, AND SPECIFICATIONS. ALL CONCRETE MIXES SHALL BE DESIGNED PER ACI 318 SECTION 5.2 BY A RECOGNIZED TESTING LAB STAMPED AND SIGNED BY A LICENSED CALIFORNIA CIVIL ENGINEER AND SUBMITTED TO THE EOR FOR REVIEW PRIOR TO CONCRETE PLACEMENT. STRUCTURAL CONCRETE MIXES SHALL CONSIST OF 5 SACK MINIMUM UNO.
6. AGGREGATES IN NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (HARDROCK). AGGREGATES IN LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C-330.
7. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND THE EOR.
8. PORTLAND CEMENT SHALL BE TYPE V AND SHALL CONFORM TO ASTM C150, LOW ALKALI. MILL TESTS WITH CERTIFICATES OF COMPLIANCE SHALL BE SUBMITTED.
9. FLY ASH OR OTHER POZZOLANS CONFORMING TO ASTM C618 CLASS F MAY BE USED AS A PARTIAL SUBSTITUTION FOR PORTLAND CEMENT UP TO A MAXIMUM OF 25% TOTAL CEMENTITIOUS MATERIALS BY WEIGHT IF THE MIX DESIGN IS PROPORTIONED BY FIELD EXPERIENCE OR TRIAL MIXTURES.
10. CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C94.
11. LEAN CONCRETE, WHERE SPECIFICALLY INDICATED, SHALL CONTAIN 2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.
12. DRYPACK OR NONSHRINK GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI, AND CONSIST OF MASTERFLOW 713, EUCON NS GROUT, SIKAGROUT 212, OR APPROVED EQUAL. FOR THICK GROUT LAYERS FOLLOW MANUFACTURER'S GUIDELINES TO ATTAIN THE REQUIRED STRENGTH, WHICH MAY INCLUDE THE ADDITION OF PEA GRAVEL. FOR BASE PLATES LARGER THAN 6 SQUARE FEET, USE HI-FLOW GROUT OR MASTERFLOW 928.
13. DO NOT USE ANY CONCRETE OR GROUT CONTAINING CHLORIDES. WATER USED IN MIX SHALL BE CLEAN AND POTABLE.
14. PRIOR TO ERECTING ANY ELEMENTS THAT LOAD THE FOUNDATION, CONCRETE MUST REACH AN UNCONFINED COMPRESSION STRENGTH OF 2000 PSI MINIMUM AS DETERMINED BY TESTING OR PREVIOUSLY DOCUMENTED DATA FOR THE MIX DESIGN USED UNDER SIMILAR CONDITIONS, AND MUST BE ALLOWED TO CURE FOR A MINIMUM OF 3 DAYS.
15. MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE ACCEPTED BY EOR.
16. SEE ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, WALL OFFSETS, CHAMFERS, KERFS, DRIPS AND FOR EXTENT OF DEPRESSIONS, RAMPS, ETC.
17. PROVIDE SLEEVES FOR ALL PIPES THROUGH CONCRETE WALLS AND FOOTINGS WHERE SHOWN ON THESE DRAWINGS. CORING IS NOT PERMITTED WITHOUT PRIOR APPROVAL BY THE EOR.
18. EXPOSED CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH 3/4" CHAMFER OR 1/2" RADIUS TOOLED EDGE, UNO.

MASONRY

1. CONCRETE MASONRY UNITS (HOLLOW UNITS) SHALL BE GRADE "N", MEDIUM WEIGHT, GRADE N, CONFORMING TO ASTM C-90 AND CBC STANDARD. (fm = 2000 PSI). REFER TO ARCHITECTURAL FOR TYPE, PATTERN AND JOINT DETAILS. ALL UNITS BELOW ROUGH GRADE OR IN CONTACT WITH SOIL SHALL BE NORMAL WEIGHT. SLUMPED BLOCK UNITS SHALL BE GRADE "N", CONFORMING TO ASTM C-90. (fm = 2000 PSI)
2. GROUT SHALL BE COARSE GROUT (PEA GRAVEL) WITH COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS. GROUT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C476. MAXIMUM DENSITY SHALL BE 140 PCF. GROUT SHALL CONSIST OF 1 PART CEMENT, TO NOT MORE THAN 3 PARTS SAND AND NOT LESS THAN 1 PART NOR MORE THAN 2 PARTS PEA GRAVEL BASED ON DRY LOOSE VOLUMES. APPROVED ADMIXTURES MAY BE ADDED TO GROUT MIX.
3. CEMENT MORTAR SHALL BE 2000 PSI IN 28 DAYS. TYPE "S" OR "M" AND CONFORMING TO ASTM C270.
4. ALL CELLS SHALL BE GROUTED SOLID UNLESS SO SPECIFIED ON THE PLANS. HOLD TOP OF EACH GROUT 2" DOWN BELOW TOP OF BLOCK. WHERE REINFORCING OCCURS IN OR ADJACENT TO MORTAR JOINTS, THE CELLS ON EACH SIDE SHALL BE FULLY GROUTED. PROVIDE CLEAN OUT OPENINGS AT THE BOTTOM OF THE LIFT IN EVERY CELL TO BE FILLED FOR GROUTING LIFTS EXCEEDING FIVE FEET. LIFT NOT TO EXCEED 8'-0". CONFORM TO HIGH LIFT GROUTING PROCEDURES PER CODE.
5. MASONRY UNITS SHALL BE LAID IN RUNNING BOND WITH CELLS PLACED IN VERTICAL ALIGNMENT.
6. VERTICAL AND HORIZONTAL REINFORCING, TIES AND EMBEDDED ITEMS SHALL BE IN PLACE PRIOR TO GROUTING EXCEPT AS NOTED ON PLANS. VERTICAL AND HORIZONTAL REINFORCING LAP SPLICE SHALL BE 48 BAR DIAMETERS, BUT NOT LESS THAN 12" UNLESS NOTED ON PLANS. USE POSITIONERS TO HOLD VERTICAL REINFORCING IN PLACE. SPACING OF POSITIONERS SHALL NOT EXCEED 200 BAR DIAMETERS OR 10 FEET & LOCATED 8" MAX. ABOVE TOP OF GROUT LIFT.
7. PROVIDE MASONRY PRISM TESTING IN ACCORDANCE WITH CBC STANDARDS AS REQUIRED.

NOTES

1. SEE BUILDING CODE AND ACI LATEST VERSION FOR ALL REQUIREMENTS NOT NOTED.
2. "TOP" BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW BARS. ALL OTHER BARS ARE "BOTT" BARS.
3. WHERE REQUIRED LS CANNOT BE OBTAINED WITH STRAIGHT BARS, EXTEND REINFORCING AS FAR AS POSSIBLE (LDH MINIMUM) AND PROVIDE STANDARD HOOK, WHERE LDH CANNOT BE OBTAINED, CONSULT SEOR.
4. VALUES SHOWN ARE FOR GRADE 60 (FY=60 KSI) REINFORCEMENT.
5. SPLICE LENGTHS SHOWN ARE FOR CLEAR SPACING NOT LESS THAN 2DB, CONCRETE COVER NOT LESS THAN DB.
6. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED IN TENSION, SPLICE LENGTH SHALL BE THE LARGER OF: LD OF THE LARGER BAR AND LS OF THE SMALLER BAR.

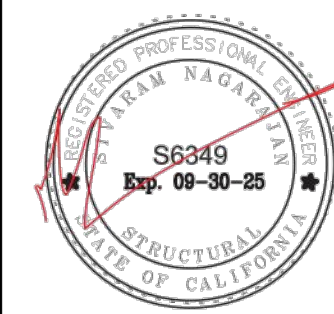
PROJECT:

NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:



ISSUE / REVISION:

ISSUED 100% CD'S

DATE:

07/01/2024

JOB NO.:

22077

DATE:

08/28/2023

DRAWN BY:

K.DESJARLAIS

SHEET SIZE:

24" x 36"

CHECKED BY:

P.MORELLI

SCALE:

AS SHOWN

SHEET TITLE:

STRUCTURAL NOTES

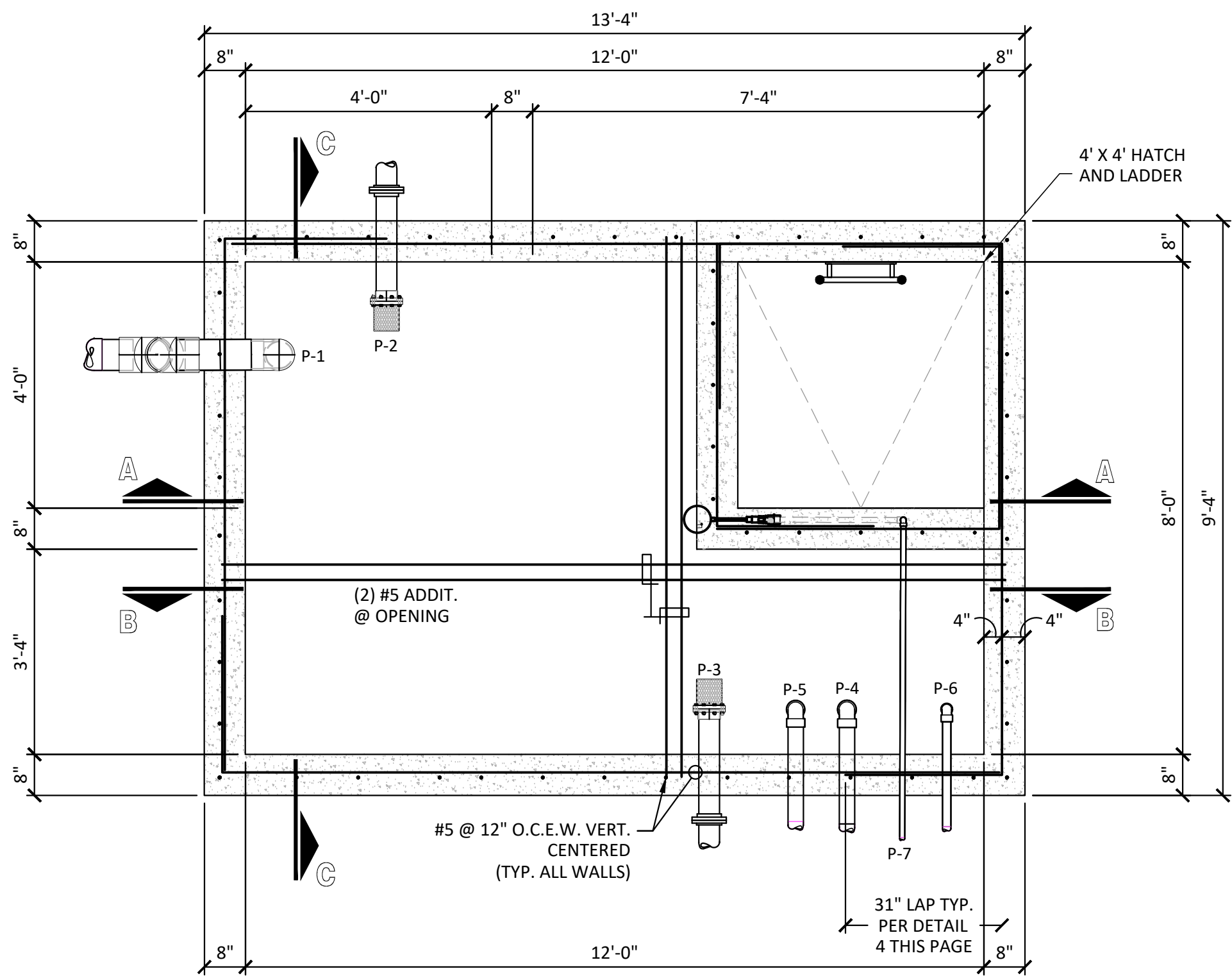
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SP-8.00

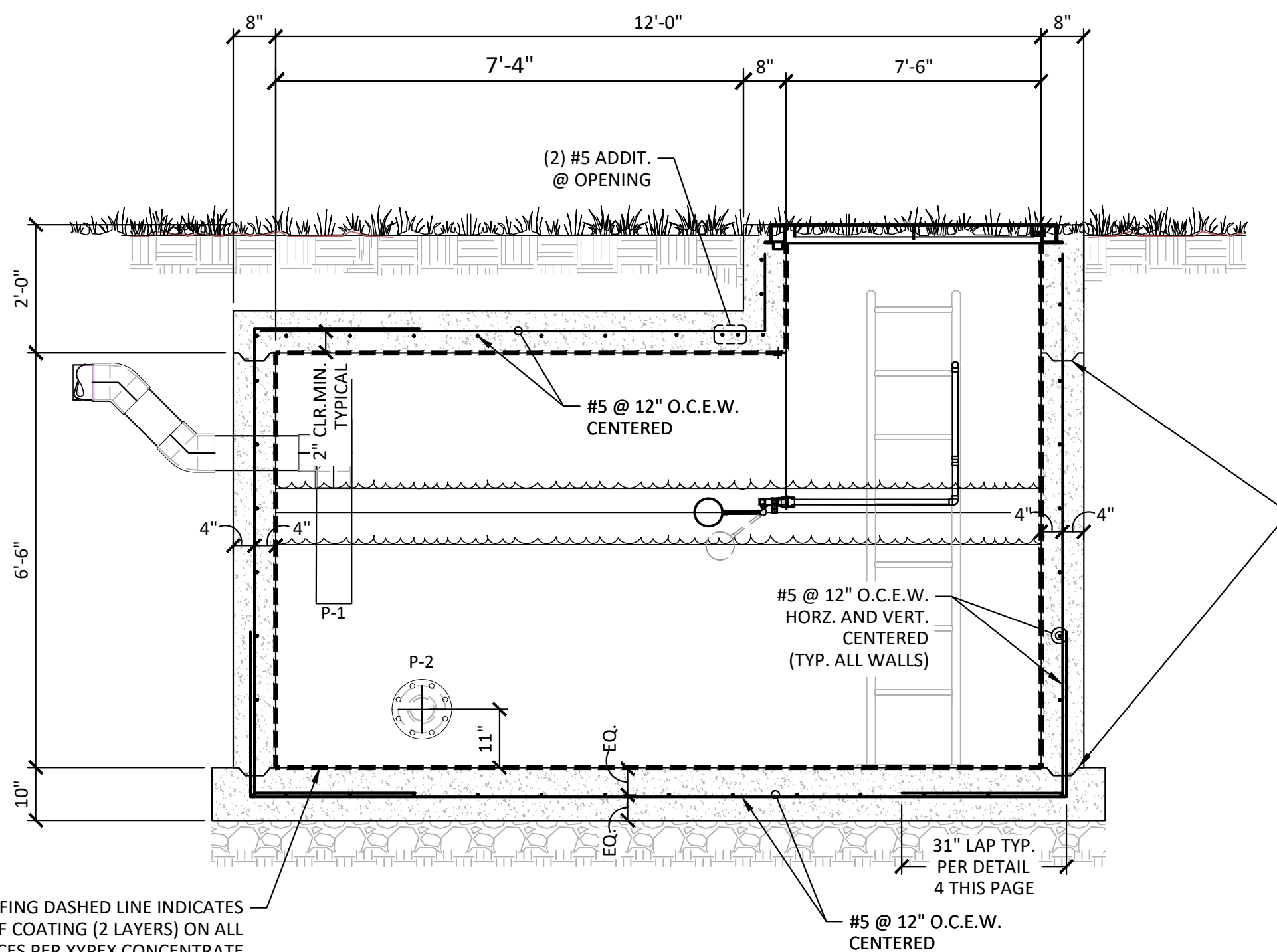
PENETRATION SCHEDULE (P-#)

1. 6" GRAVITY RETURN PENETRATION AT WALL
2. 4" FILTER SUCTION PENETRATION AT WALL
3. 4" DISPLAY SUCTION PENETRATION AT WALL
4. 3" BYPASS PENETRATION AT CEILING
5. 3" FILTER RETURN PENETRATION AT CEILING
7. 1" POTABLE FILL PENETRATION AT CEILING
8. 1" FLOAT VALVE CONDUIT AT CEILING

NOTE:
ALL PENETRATIONS ARE
PVC OR FIBERGLASS
WATERSTOPS

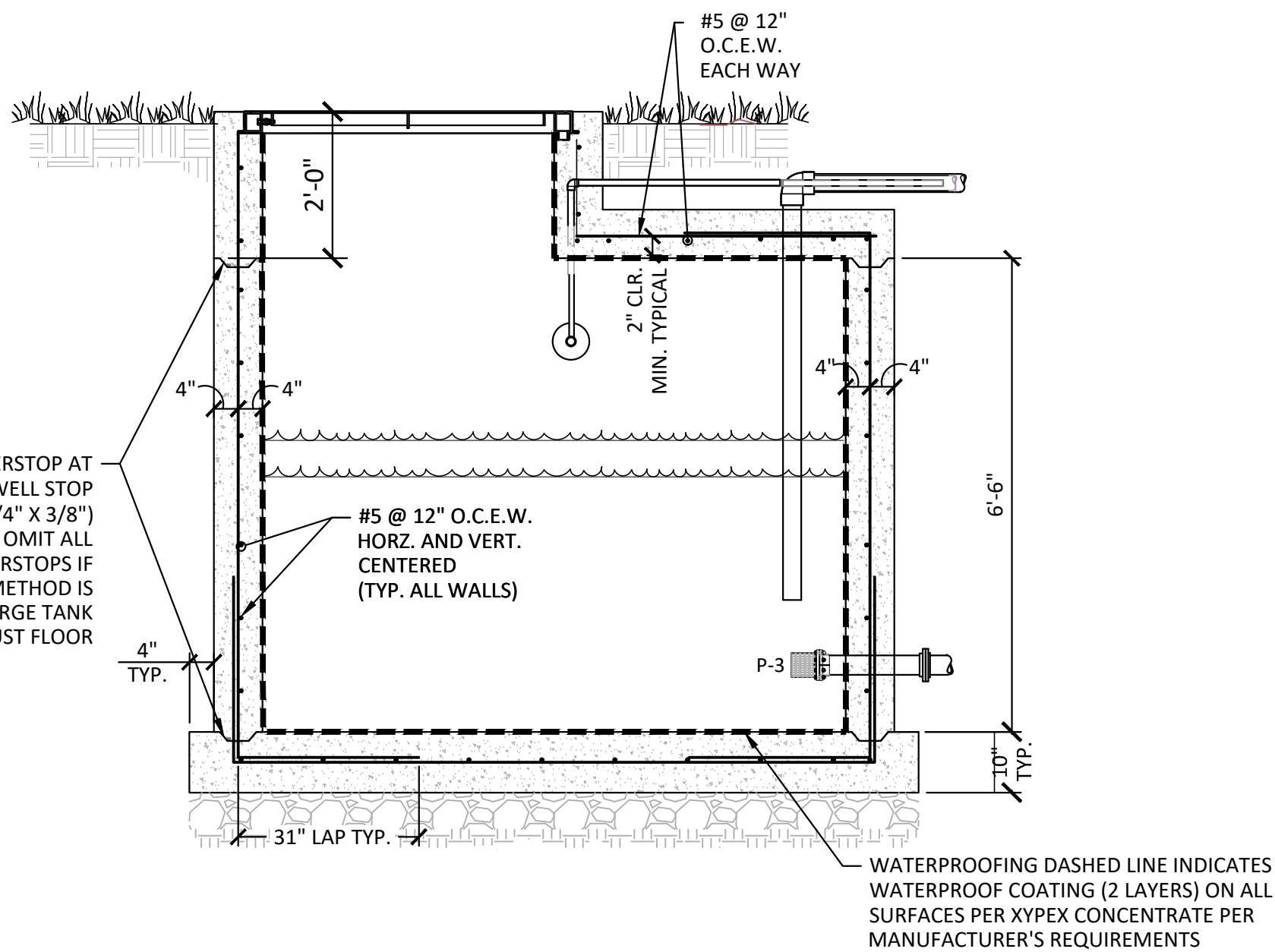


PLAN VIEW

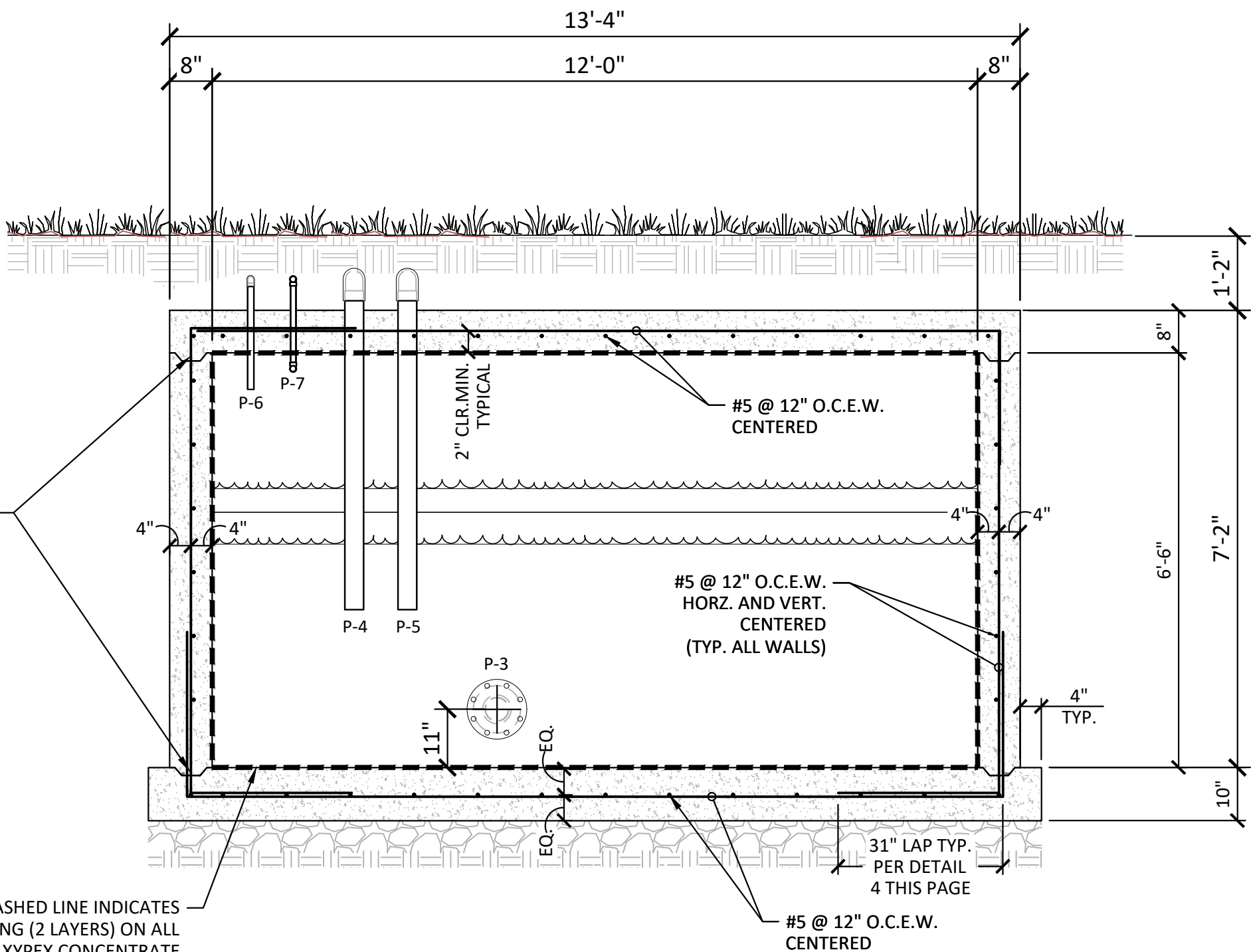


SECTION "A"

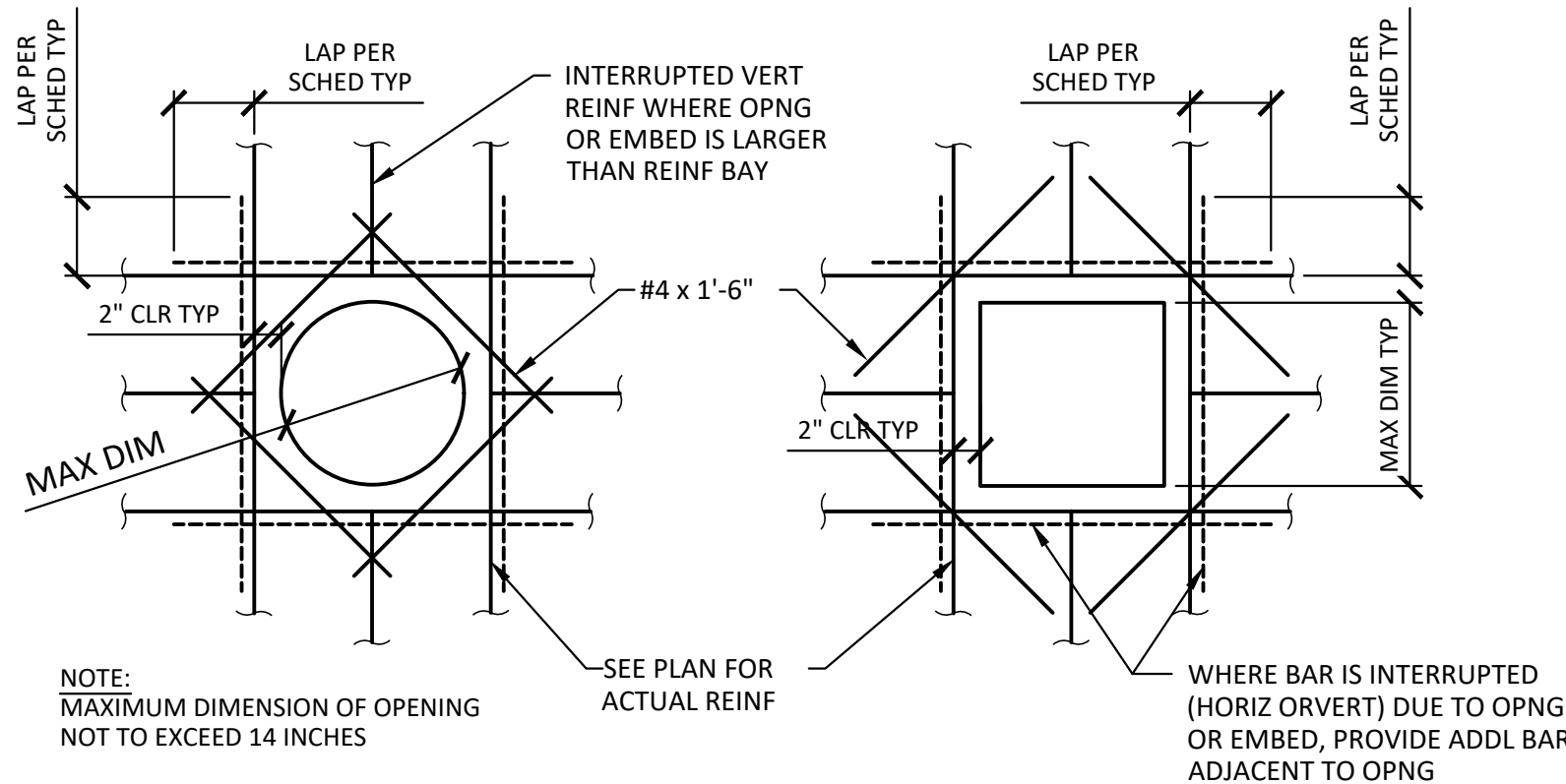
CONTRACTOR TO INSTALL WATERSTOP AT ALL KEYWAYS, PER SIKAWELL STOP RX-102 (3/4" X 3/8")
NOTE: CONTRACTOR TO OMIT ALL KEYWAYS AND WATERSTOPS IF SHOTCRETE CONSTRUCTION METHOD IS USED TO CONSTRUCT THE SURGE TANK FLOOR AND WALLS OR JUST FLOOR



SECTION "C"



SECTION "B"



TYPICAL REINFORCING AT EMBEDDED ITEMS
SCALE: NOT TO SCALE

(A) SURGE TANK REINFORCING
SCALE: 1/2" = 1'-0"

PROJECT:

**NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263**

W.F. CONTRACTOR:



ENGINEERING STAMP:



ISSUE / REVISION:
ISSUED 100% CD'S

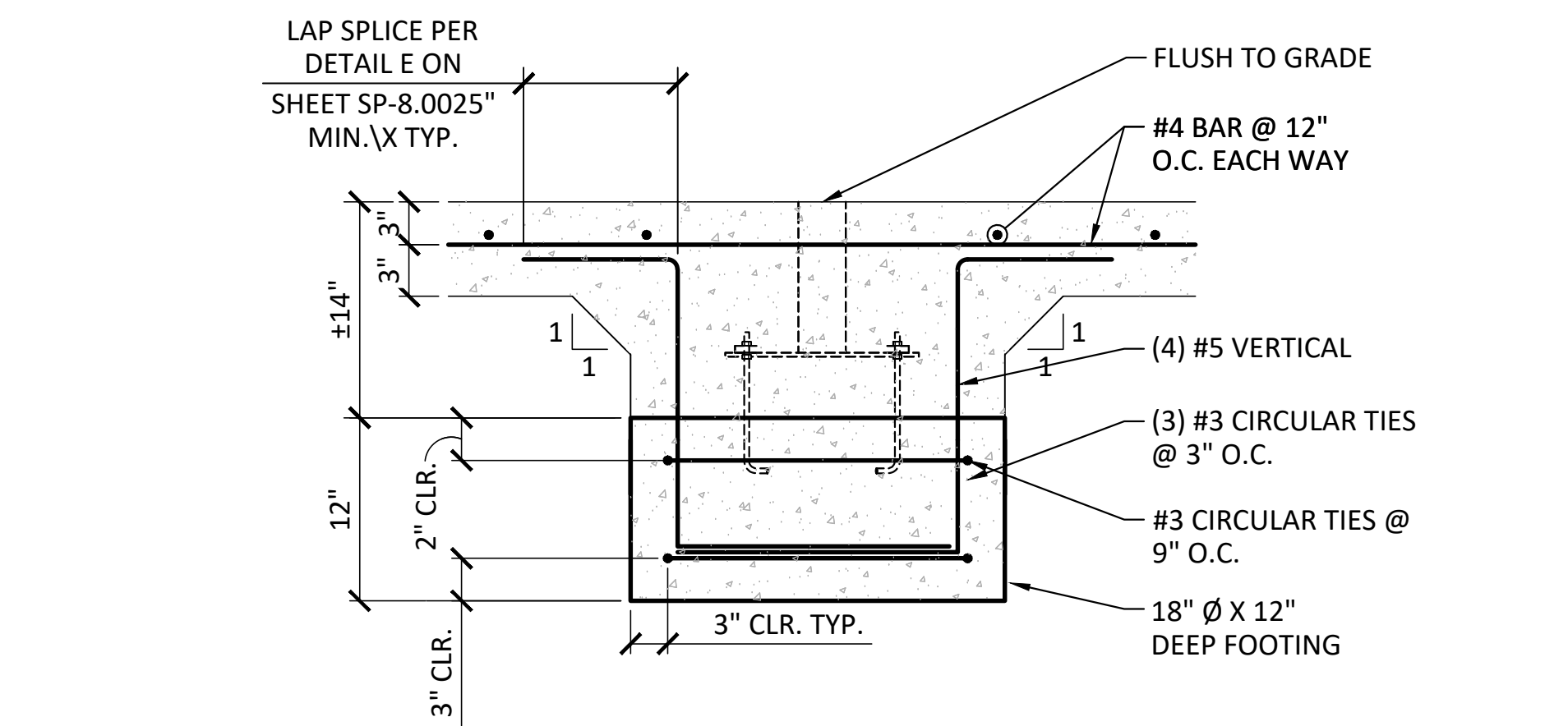
DATE:
07/01/2024

JOB NO.:
22077
DRAWN BY:
K. DESAI
CHECKED BY:
P. MORELLI
SHEET TITLE:
SURGE TANK
STRUCTURAL PLAN

DATE:
08/28/2023
SHEET SIZE:
24" x 36"
SCALE:
AS SHOWN

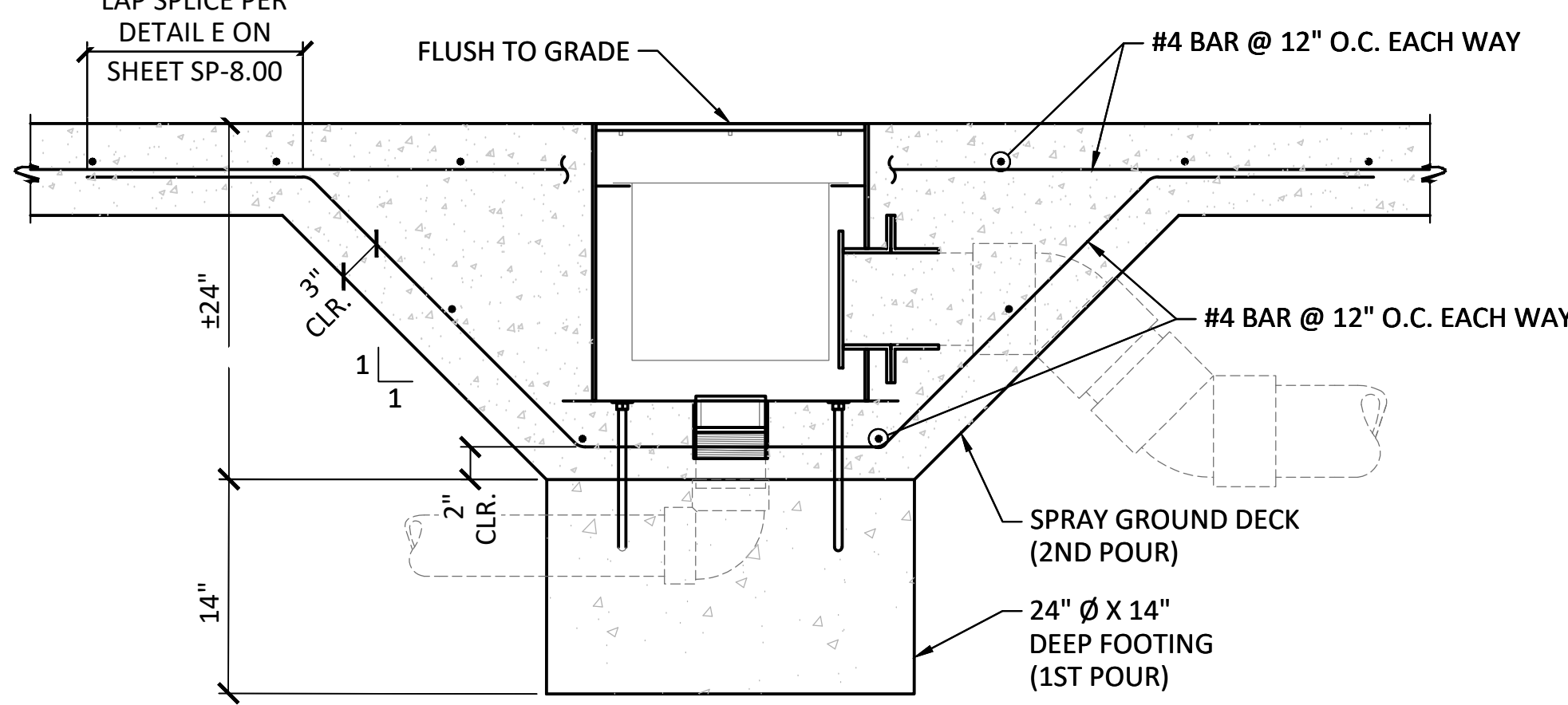
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SP-8.01



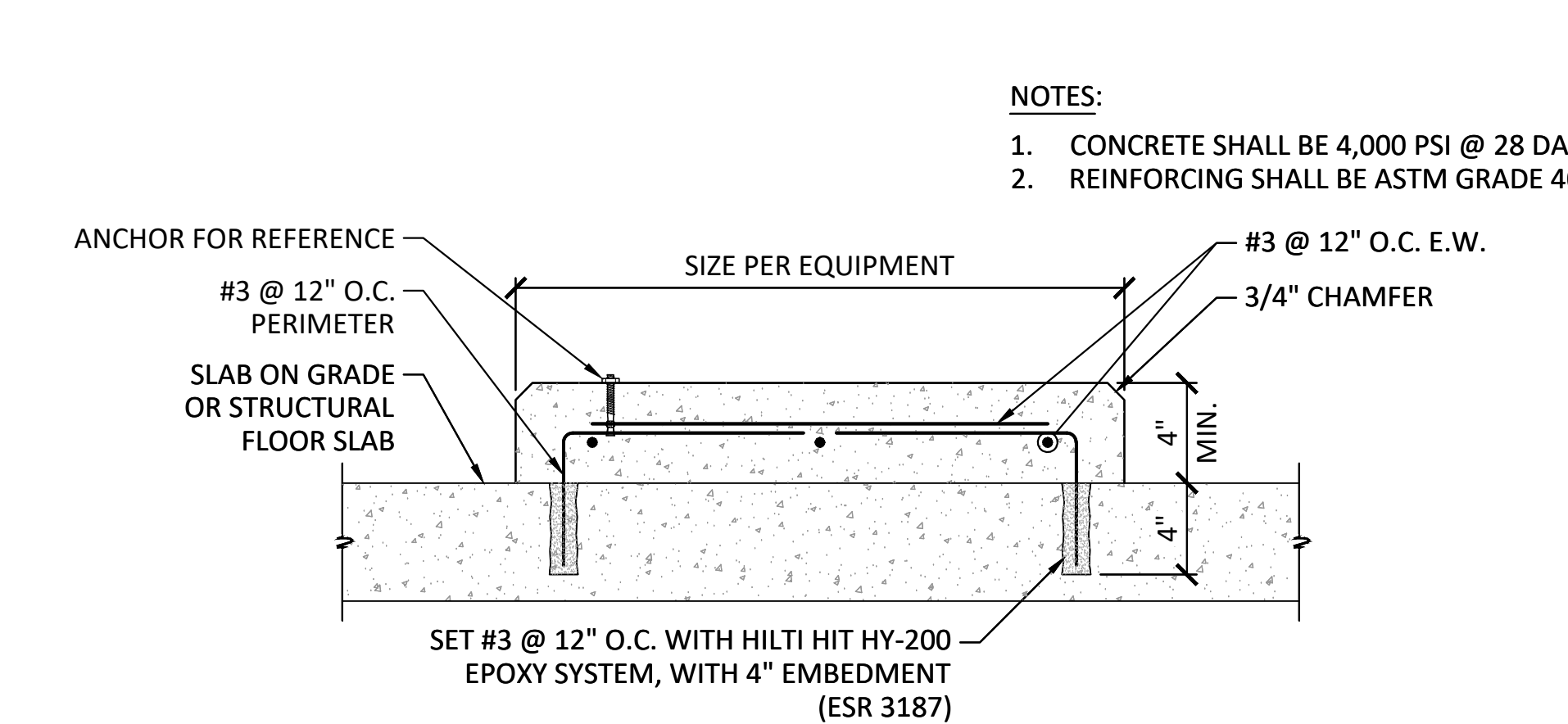
A SPRAY GROUND COMPONENT FOOTING - FLUSH COMPONENTS

SCALE: NOT TO SCALE



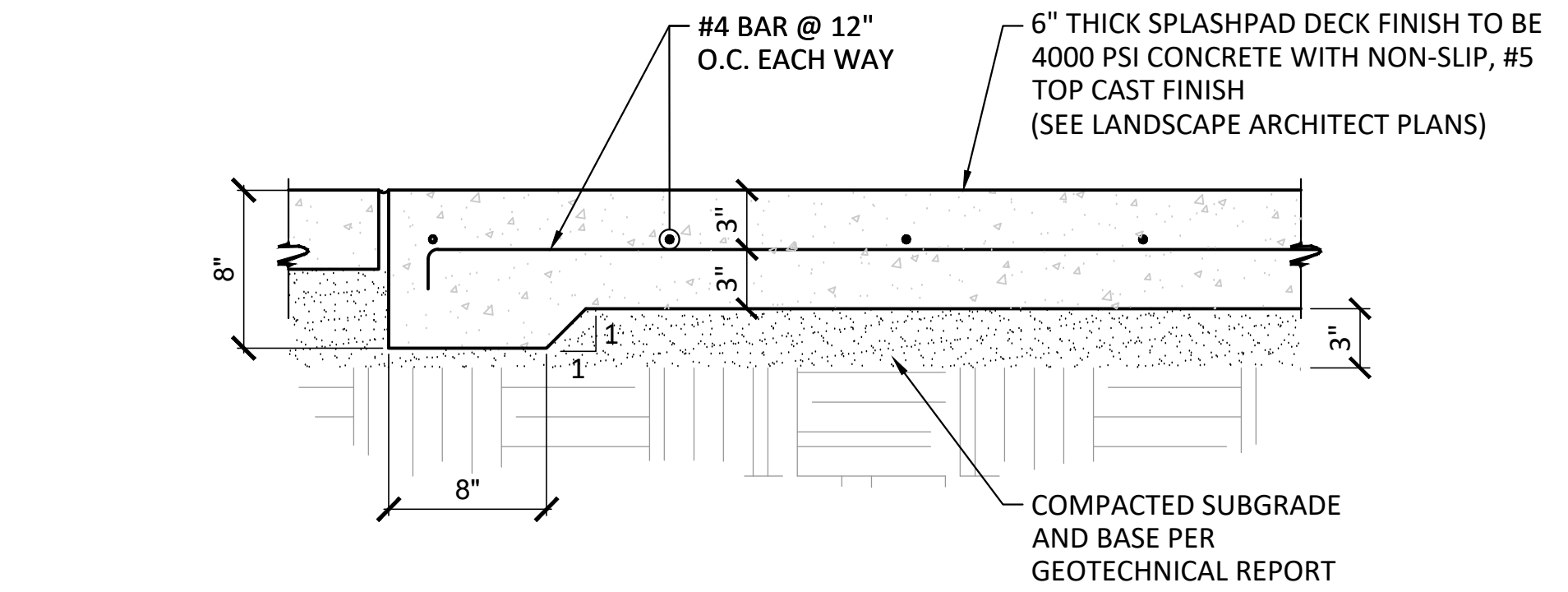
B MAIN DRAIN FOOTING

SCALE: NOT TO SCALE



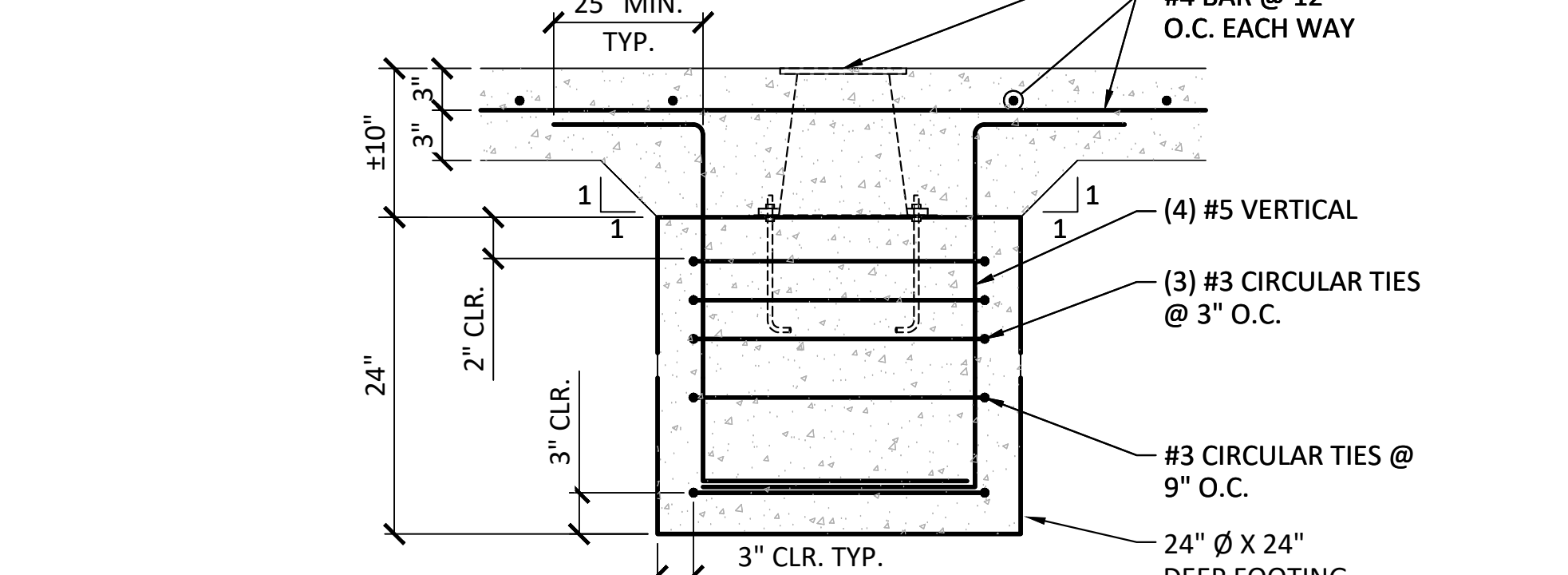
C PUMP ANCHORAGE / HOUSE KEEPING PAD

SCALE: 1" = 1'-0"



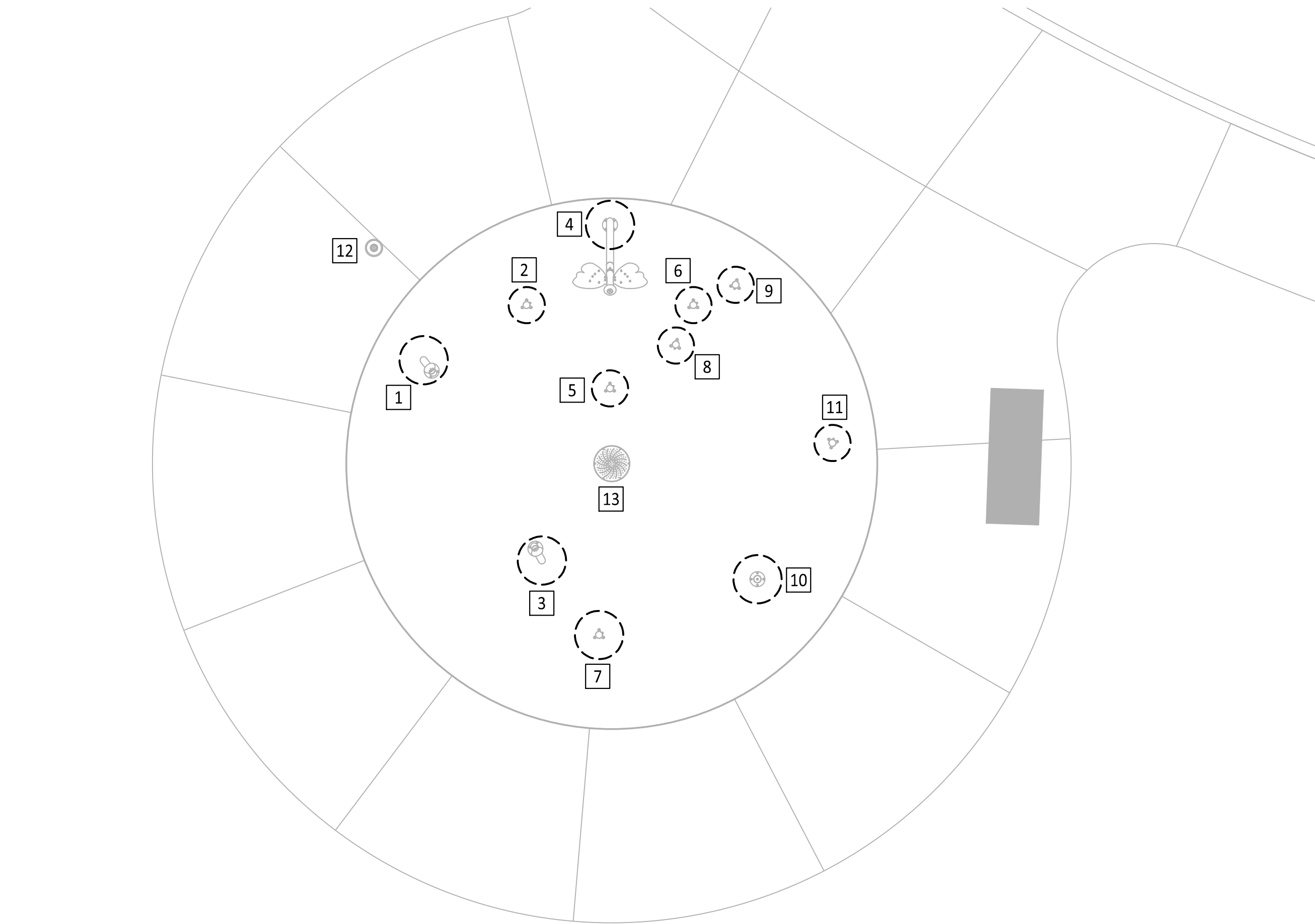
D SPRAY GROUND DECK REINFORCING

SCALE: 1 1/2" = 1'-0"



E SPRAY GROUND COMPONENT FOOTING - PLAY PHASE BASE

SCALE: NOT TO SCALE



X SPRAY GROUND FOOTINGS PLAN

SCALE: 1/4" = 1'-0"

COMPONENTS			FOOTING / PAD		
LEG	COMPONENT NAME	QTY	DETAIL	Ø	DEPTH
1	WIGGLY NON-ROTATIONAL	1	E	2'-0"	2'-0"
2	GS: STRAIGHT UP	1	A	1'-6"	2'-0"
3	FS: WIGGLY	1	E	2'-0"	2'-0"
4	FS: PAPILLON	1	E	2'-0"	2'-0"
5	GS: STRAIGHT UP	1	A	1'-6"	2'-0"
6	GS: STRAIGHT UP	1	A	1'-6"	2'-0"
7	GS: CONFETTI SPRAY	1	A	1'-6"	2'-0"
8	GS: TIDAL WAVE	1	A	1'-6"	2'-0"
9	GS: TIDAL WAVE	1	A	1'-6"	2'-0"
10	FS: FUN-BRELLA	1	E	2'-0"	2'-0"
11	GS: TIDAL WAVE	1	A	1'-6"	2'-0"
12	PLAYPHASE FOOT ACTIVATOR	1	A	1'-6"	2'-0"
13	CUSTOM DRAIN CIRCULAR	1	B	2'-0"	2'-0"

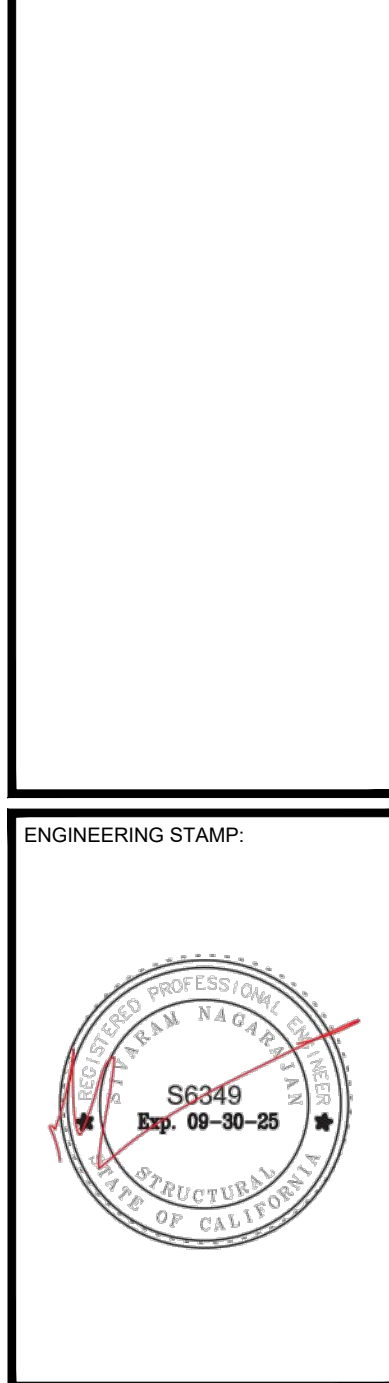
PROJECT:

NORTH SHAFTER PARK
SPRAY GROUND
904 WAGNER STREET
SHAFTER, CA 93263

W.F. CONTRACTOR:



ENGINEERING STAMP:



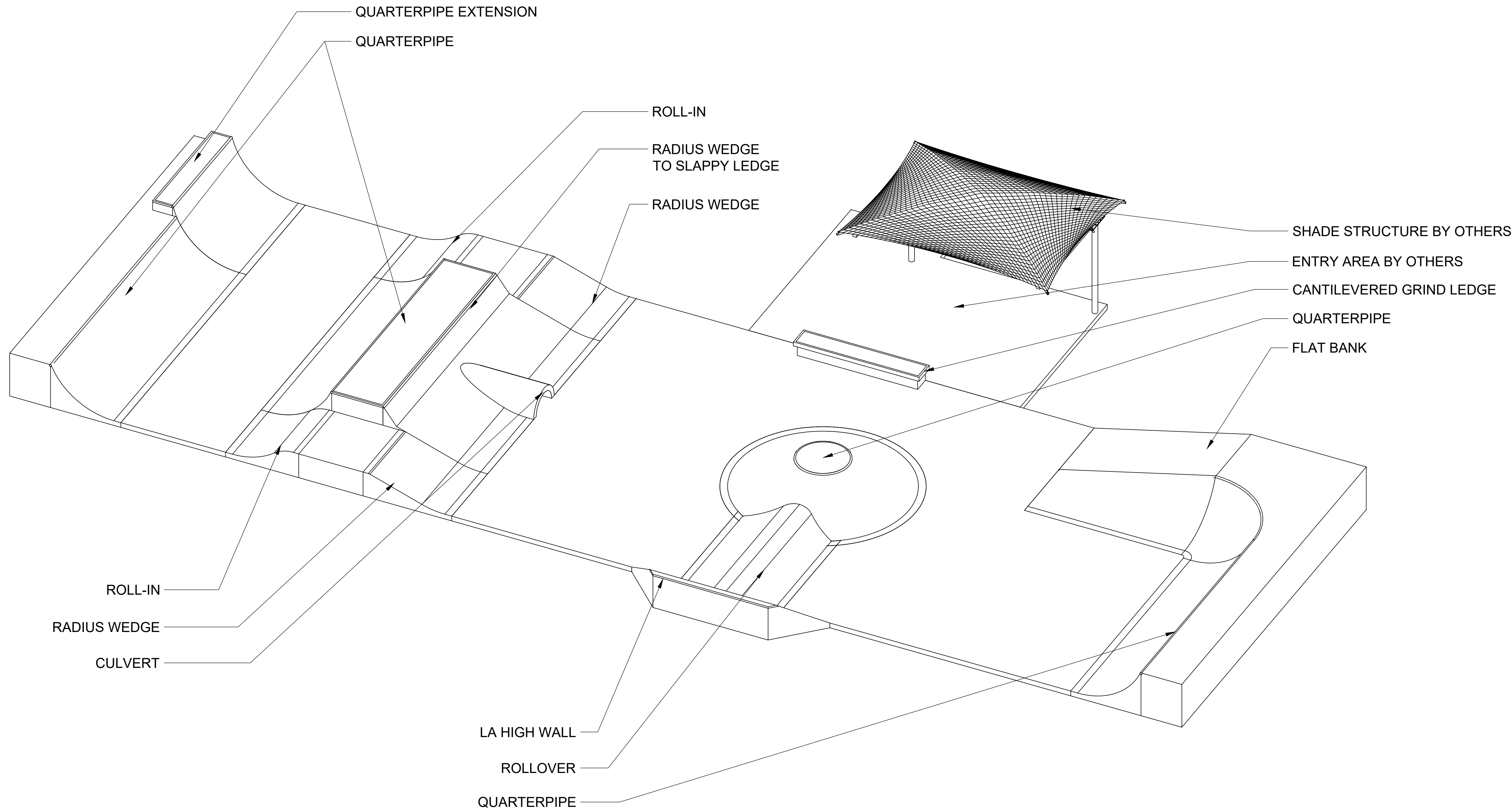
ISSUE / REVISION:	DATE:
ISSUED 100% CD'S	07/01/2024

JOB NO.:	DATE:
22077	08/28/2023
DRAWN BY:	SHEET SIZE:
K. DESJARDIS	24" x 36"
CHECKED BY:	SCALE:
P. MORELLI	AS SHOWN

STRUCTURAL PLAN

SHEET NUMBER:

SP-8.02



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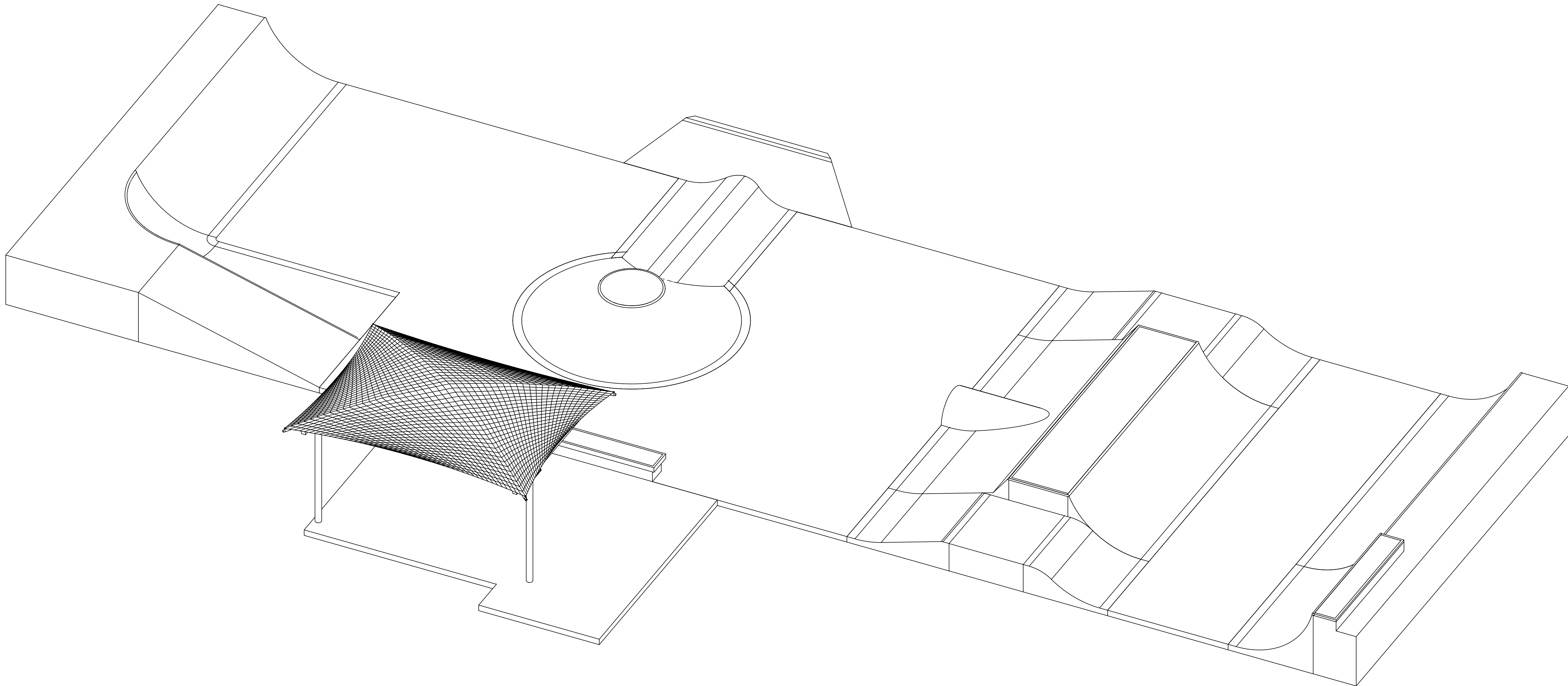
NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263

PRELIMINARY
3D PERSPECTIVE

Revisions	By

Drawn By DM, AL, ZM
Checked By DH
Date Issued 4-23-2024
Project No. 22-036
Scale _____

Sheet
SK1.0
Of _____ Sheets



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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263

PRELIMINARY
3D PERSPECTIVE

Revisions	By

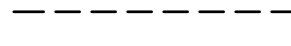
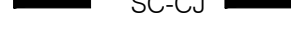
Drawn By DM, AL, ZM
Checked By DH
Date Issued 4-23-2024
Project No. 22-036
Scale _____

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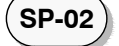
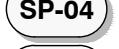
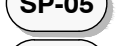
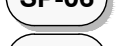
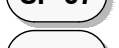
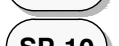
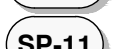
SK1.1

Of Sheets

JOINTING SCHEDULE

SYMBOL	DESCRIPTION	QTY	DETAIL
 EJ	(H-01) EXPANSION JOINT	89 LF	5/SK8.0
 CJ-KJ	(H-02) COLD JOINT OR KEY JOINT	294 LF	7/SK8.0
 H-03	SAWCUT JOINT	322 LF	6/SK8.0
 H-04	TURNDOWN EDGE AT FINISH SURFACE	77 LF	3/SK8.0
 SC-CJ	(H-05) SC OR CJ - FIELD DETERMINED	62 LF	

INFORMATION SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SECTION
 SP-01	5" THICK CONCRETE FLATWORK		B, E, I
 SP-02	QUARTERPIPE	12/SK8.0	A
 SP-03	QUARTERPIPE EXTENSION	14/SK8.0	D
 SP-04	RADIUS WEDGE	13/SK8.1	K
 SP-05	LA HIGH WALL	2/SK8.1	H
 SP-06	CANTILEVERED GRIND LEDGE	3/SK8.1	C
 SP-07	ROLL-IN	4/SK8.1	J
 SP-08	ROLLOVER	1/SK8.1	L
 SP-09	FLAT BANK	5/SK8.1	F
 SP-10	RADIUS WEDGE TO SLAPPY LEDGE	6/SK8.1	G1, G2
 SP-11	CULVERT	7/SK8.1	

SPECIAL INSPECTIONS REQUIRED BY CITY OF SHAFTER BUILDING DEPT. (IF APPLICABLE).

NOTE, ALL COSTS ASSOCIATED WITH THE INSPECTIONS TO BE COVERED BY THE CITY:

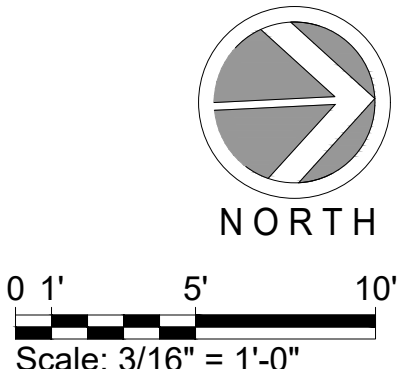
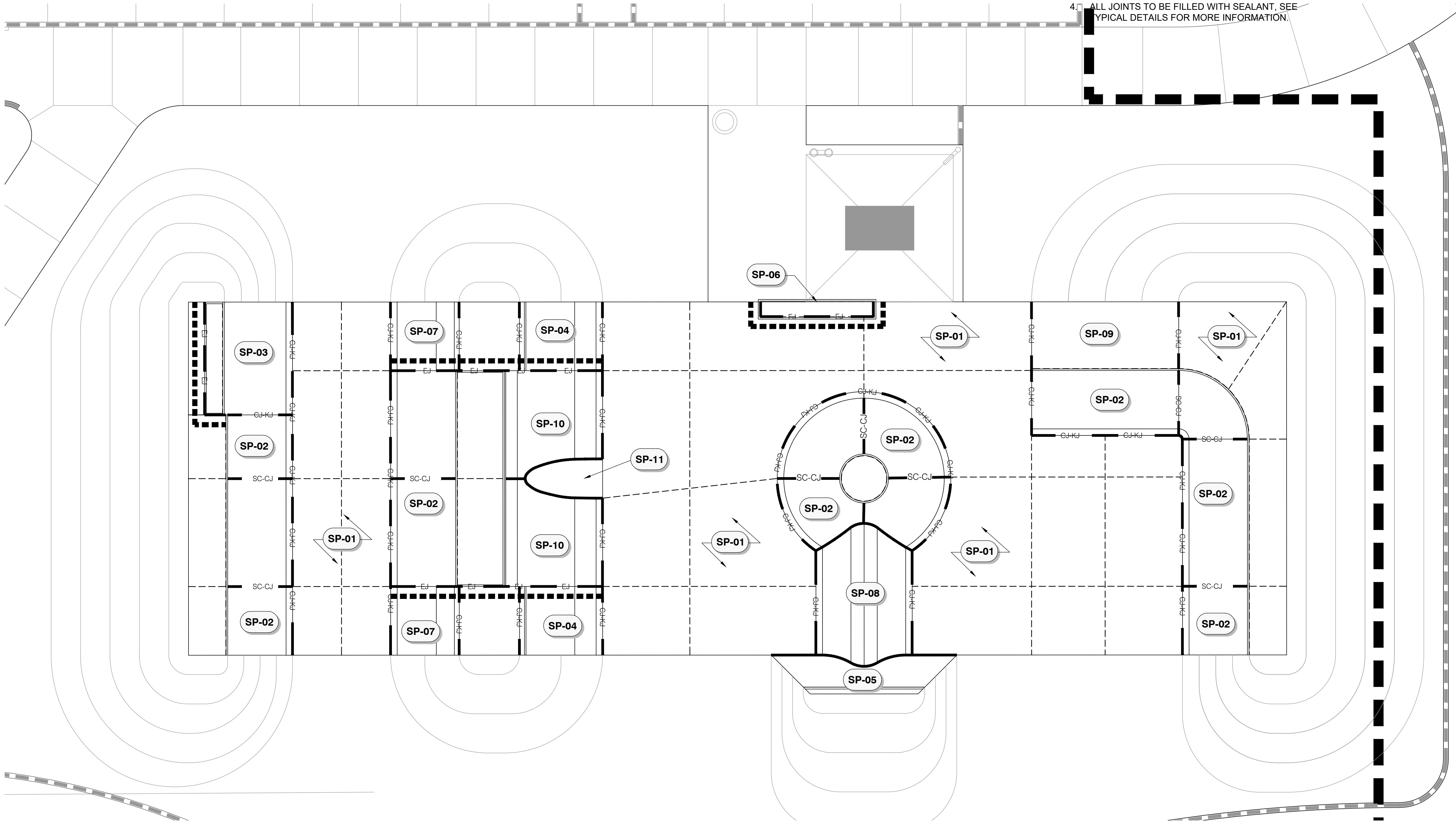
- COMPACTION (NOT APPLICABLE ON THIS PROJECT)
- REINFORCING STEEL PRIOR TO CONCRETE PLACEMENT
- WELDING
- CONCRETE
 - CYLINDERS FOR COMPRESSIVE STRENGTH TESTING
 - DEPUTY INSPECTOR FOR CONCRETE OVER 2500 PSI
 - DEPUTY INSPECTOR SHOTCRETE
 - POST INSTALLED ANCHORS/EPOXY

JOINTING NOTES:

- JOINTING LAYOUT PLAN HAS BEEN DEVELOPED TO PROVIDE GUIDANCE TO THE CONTRACTOR FOR THE USE OF SAWCUTS, COLD + EXPANSION JOINTS. ACTUAL FIELD VARIANCES MAY BE NECESSARY AND WILL TAKE PRECEDENCE OVER THIS GUIDE. A CONTRACTOR SHALL CUT/JOINT CONCRETE AS NEEDED TO HELP MINIMIZE CRACKING AND ENHANCE SKATEABILITY.
- ALIGN SAWCUTS WITH EXPANSION AND COLD JOINTS AND START FROM CORNERS WHERE POSSIBLE TO HELP MINIMIZE CRACKING. SAWCUTS SHOULD BE APPROXIMATELY 10"x12" AND/OR APPROXIMATELY 120 SQUARE FEET WITH ROUGHLY A 2:1 ASPECT RATIO BETWEEN SAWCUTS AND COLD OR EXPANSION JOINTS.
- ALL HORIZONTAL SAWCUTS TO BE FILLED WITH SELF-LEVELING POLYURETHANE BASE ELASTOMERIC SEALANT AND TOOLED FLAT. EXPANSION JOINTS AND VERTICAL SAWCUTS TO BE FILLED WITH POLYURETHANE BASED NONSAGGING ELASTOMERIC SEALANT AND TOOLED FLAT. COLOR OF JOINT SEALANT SHOULD RESEMBLE NATURAL COLOR OF CONCRETE (ALUMINUM GRAY / LIMESTONE, OR SIMILAR)
- ALL JOINTS TO BE FILLED WITH SEALANT, SEE TYPICAL DETAILS FOR MORE INFORMATION.

GENERAL NOTES:

- SEE SHEET SK3.0 FOR COLOR PLAN.
- THE SLAB CONFIGURATION, NOTES, LOCATION OF EXPANSION JOINTS, COLD JOINTS, SAW CUTS, DETAIL REFERENCES, AND APPLICABLE DETAILS HAVE BEEN INCLUDED FOR CLARITY. JOINTS AND DETAILS SHOWN ARE FOR THE SKATEPARK ONLY. REFER TO THE LANDSCAPE PLANS FOR SCOPES BEYOND THE SKATEPARK.
- SUGGESTED ORDER OF CONSTRUCTION FOR CONCRETE ELEMENTS WITHIN THE SKATEPARK FOOTPRINT:
 - SUBSURFACE DRAINAGE
 - SUBGRADE PREP - GRADE, MOISTURE CONDITION, AND COMPACT SKATEPARK FOOTPRINT TO +/- .1' OF SPECIFIED SUBGRADE ELEVATIONS.
 - FINE GRADING
 - LEDGES AND MANUAL PADS
 - BANKS AND TRANSITIONS
 - GRIND RAIL FOOTING INSTALLATION
 - FLOOR SLAB/FLATWORK
- ALL EXPOSED CONCRETE AND SHOTCRETE SURFACES TO BE NATURAL GRAY IN COLOR WITH HARD STEEL TROWEL FINISH UNLESS OTHERWISE SPECIFIED.



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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263

PRELIMINARY
INFORMATION PLAN

Revisions	By

Drawn By DM, AL, ZM
Checked By DH
Date Issued 4-23-2024
Project No. 22-036
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P O W A Y, C A 9 2 0 6 4
T E L . 9 5 6 . 5 1 3 . 0 0 3 0

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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263

PRELIMINARY
COLOR PLAN

Revisions	By

Drawn By DM, AL, ZM
Checked By DH
Date Issued 4-23-2024
Project No. 22-036
Scale _____

Sheet

SK3.0

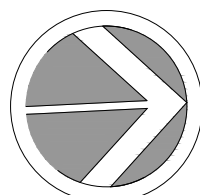
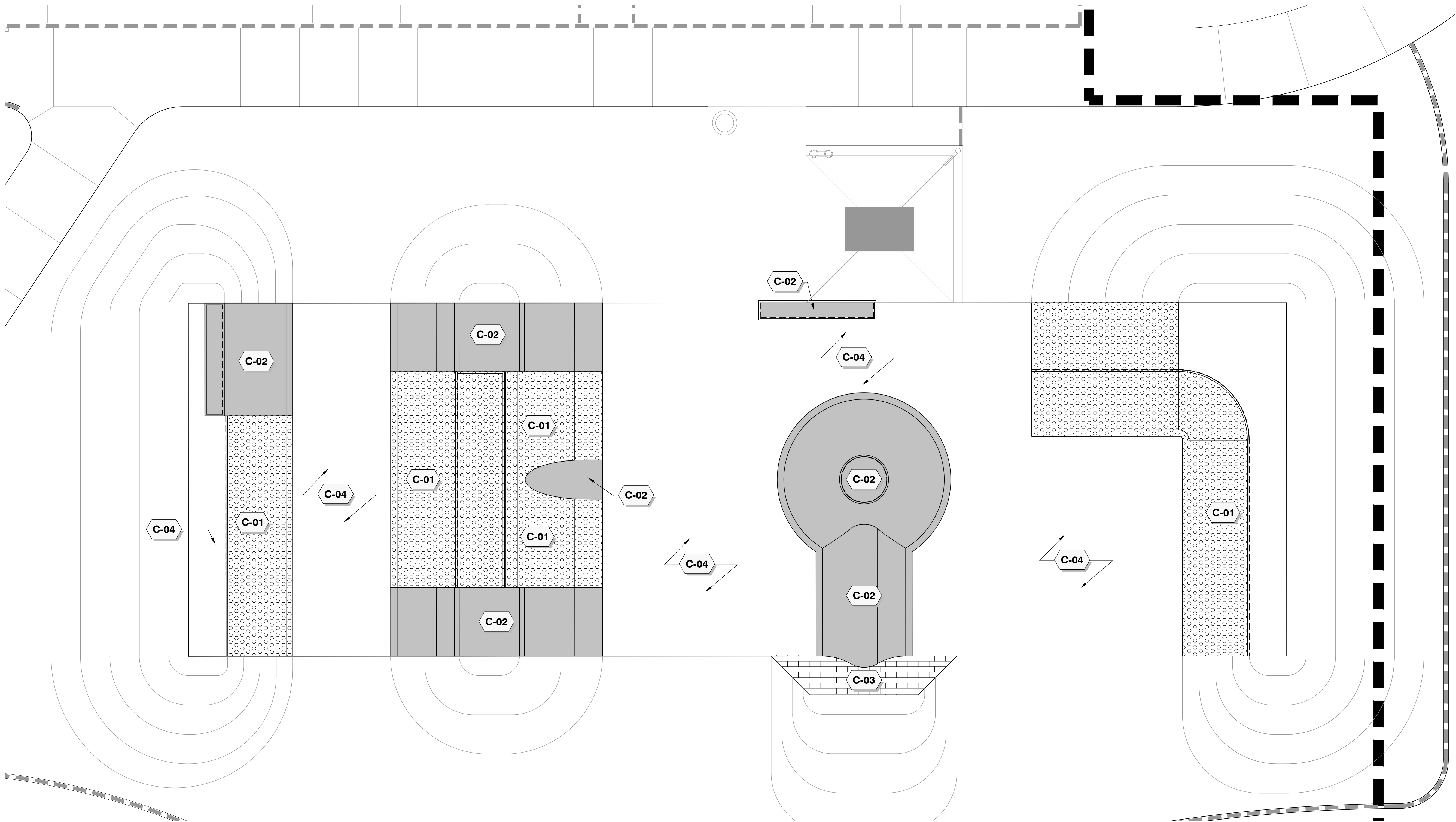
Of Sheets

COLOR SCHEDULE

SYMBOL	DESCRIPTION	QTY
	C-01 COLORED CAST-IN-PLACE CONCRETE TO BE 'PALOMINO' BY EA PIGMENTS OR APPROVED EQUAL	1,000 SF
	C-02 COLORED CAST-IN-PLACE CONCRETE TO BE 'LET'S ROLL CHARCOAL' BY EA PIGMENTS OR APPROVED EQUAL	794 SF
	C-03 COLORED CAST-IN-PLACE CONCRETE TO BE BRICK STAMPED 'LET'S ROLL CHARCOAL' BY EA PIGMENTS OR APPROVED EQUAL	55 SF
	C-04 ALL OTHER CAST-IN-PLACE CONCRETE TO BE NATURAL GRAY	

COLOR NOTES:

1. CONCRETE COLOR AVAILABLE FROM EA PIGMENTS 1-888-222-7501, OR APPROVED EQUAL.
2. FINISH: ALL EXPOSED CONCRETE SURFACES ARE TO BE HARD STEEL TROWEL FINISH UNLESS OTHERWISE NOTED. TROWEL UNTIL ALL VISIBLE PORES ARE CLOSED. CEASE TROWELING BEFORE SURFACE BECOMES GLOSSY. DO NOT BROOM FINISH AND DO NOT TROWEL BURN SURFACE.
3. REFER TO STEEL PLAN ON SHEET SK6.0 FOR STEEL FINISH.

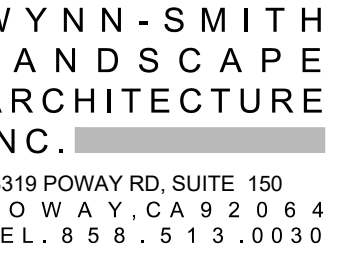
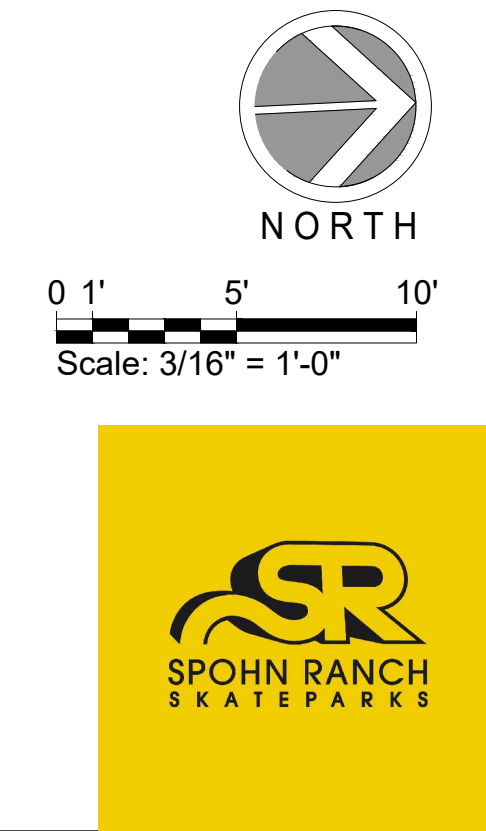


0 1' 5' 10'
Scale: 3/16" = 1'-0"



1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO ALL APPLICABLE GOVERNING CODES AND ORDINANCES.
2. ALL FORMS AND ALIGNMENTS OF PAVING, LAYOUT, AND SPECIAL PAVING AREAS SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO POURING (GIVE A MINIMUM OF 24 HOURS NOTICE).
3. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PUBLIC IMPROVEMENTS, INCLUDING UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN-KIND ALL PUBLIC IMPROVEMENTS DAMAGED, BROKEN, OR REMOVED DURING CONSTRUCTION.
4. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS (UNLESS OTHERWISE NOTED).
5. ALL REBAR CROSSINGS TO BE TIED.
6. ALL CONSTRUCTION TO BE PLUMB AND TRUE, UNLESS OTHERWISE NOTED OR INDICATED.
7. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE SKATE PARK DESIGNER, OWNER/BUILDER OR OWNER'S REPRESENTATIVE.
8. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION METHODS AND FOR SAFETY CONDITIONS AT THE WORK SITE.
9. ALL BRACING, TEMPORARY SUPPORTS, SHORING, ETC.. ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

- **ALL COLD JOINTS AT THE BOTTOM OF ALL RADIUS TRANSITIONS & RADIUS BANKS SHALL BE LOCATED 8" MAX. FROM THE POINT OF TANGENCY. SEE TYPICAL DETAILS FOR CLARIFICATION.**



ese designs, drawings and specifications
to the property and copyright of the
landscape architect and shall not be used in
connection with any other work except by
agreement with the landscape architect.
There shall be no changes or deviation
without the consent of the landscape
architect. Written dimensions shall be
affixed on the job site. Any discrepancy
shall be brought to the notice of the
landscape architect prior to the
commencement of any work.



NORTH SHAFER
COMMUNITY PARK
SHAFER, CA 93263

LAYOUT PLAN

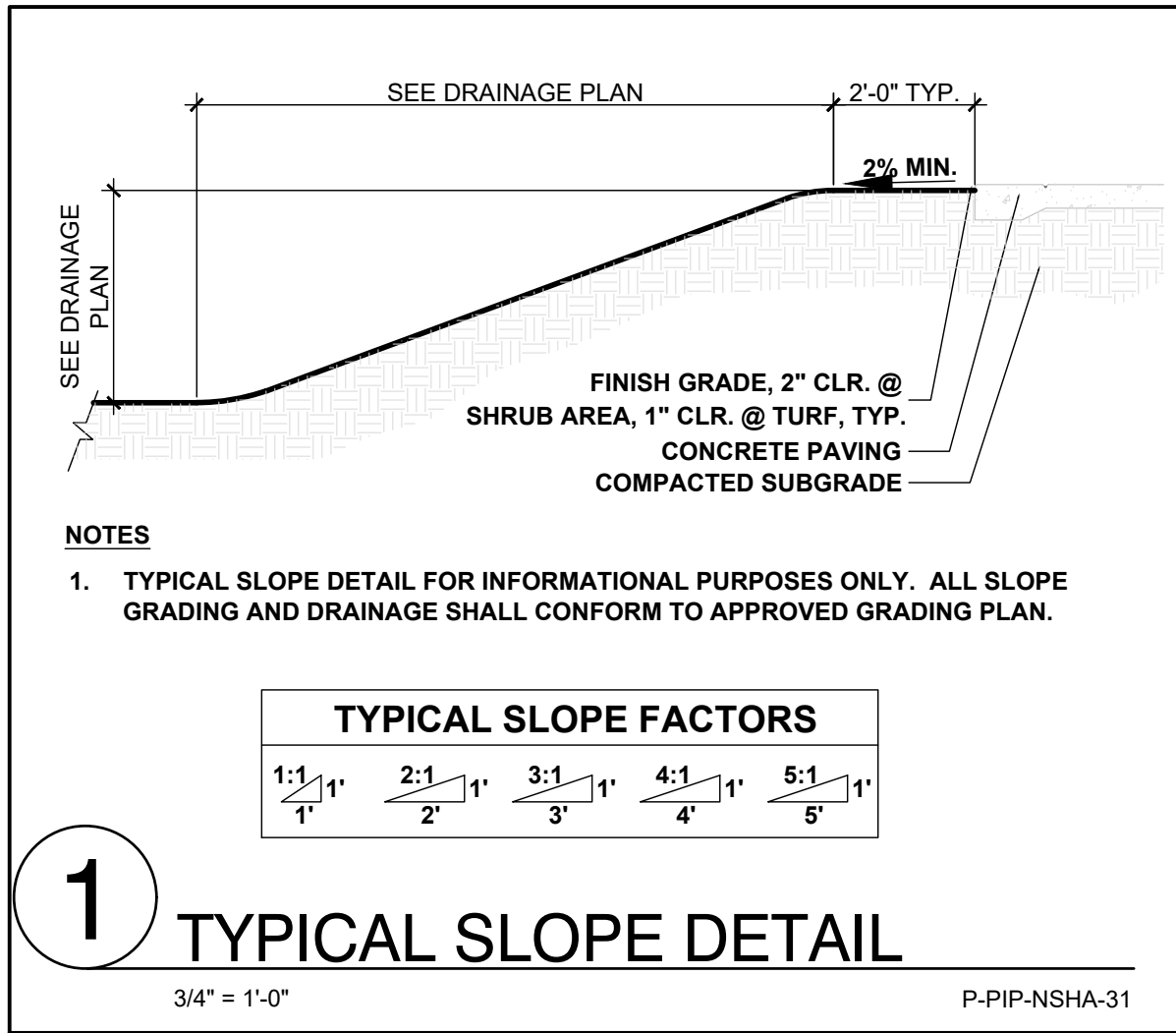
Provisions	By

Drawn By DM, AL, ZM
 Checked By DH
 Date Issued 4-23-2024
 Project No. 22-036
 Scale _____

Sheet

SK4.0

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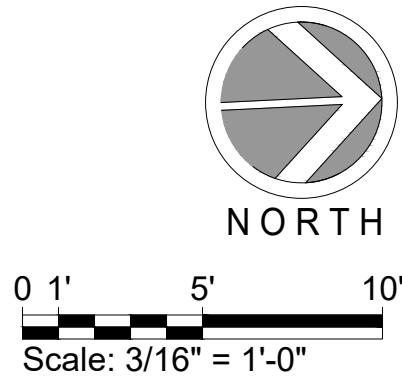
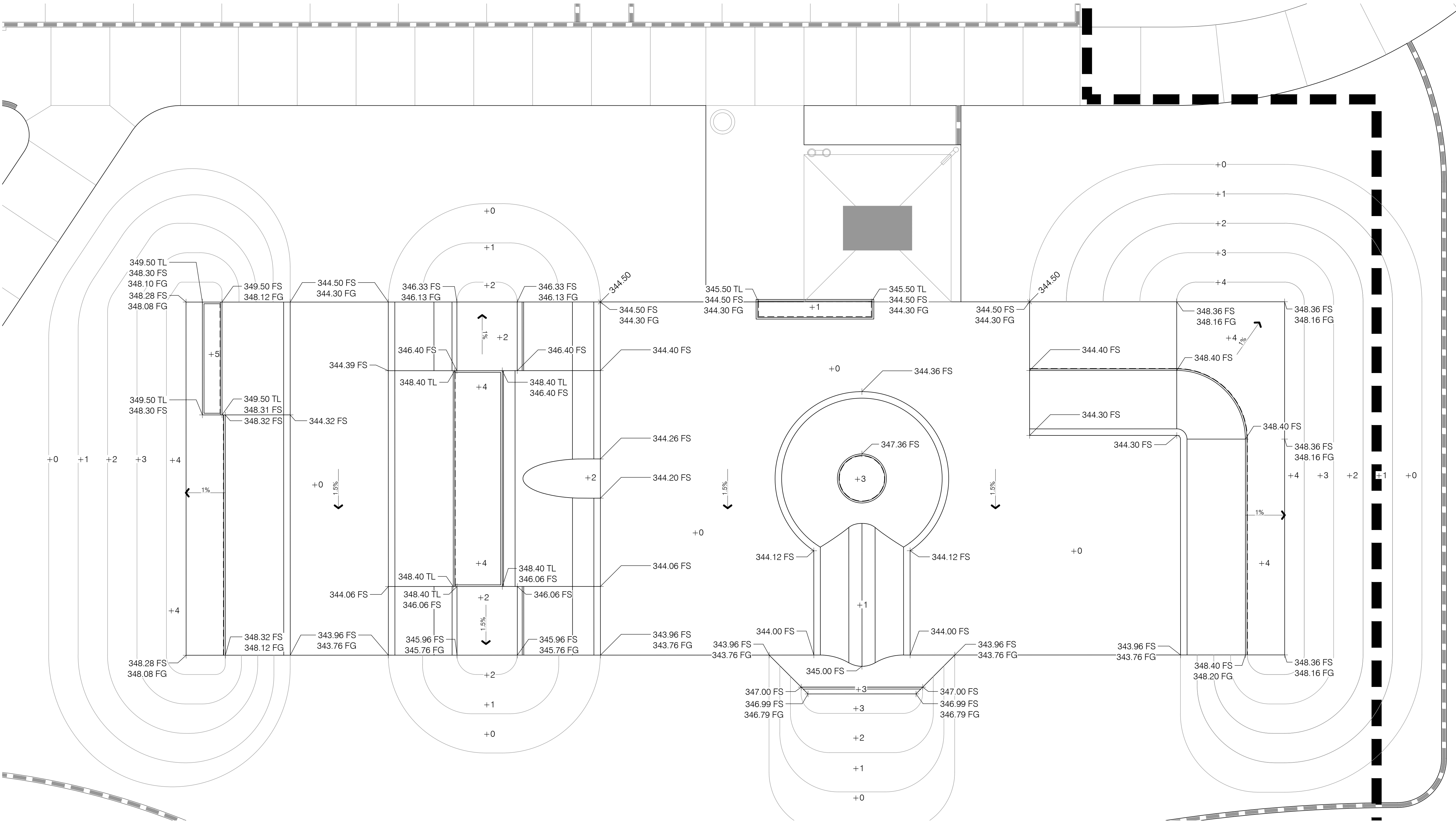


GRADING NOTES

1. ALL GRADING SHALL BE IN ACCORDANCE WITH THE LOCAL GRADING CODE AND ANY SPECIAL REQUIREMENTS OF THE GRADING PERMIT.
2. CONTRACTOR TO VERIFY GRADES AND NOTIFY OWNER'S CONSTRUCTION ADMINISTRATOR PRIOR TO START OF GRADING WORK.
3. SLOPES SHALL BE NO STEEPER THAN 3' HORIZONTAL TO 1' VERTICAL (3:1) AND SHALL HAVE NOT LESS THAN 90% COMPACTION OUT TO THEIR FINISH SURFACES.
4. ALL PAVED AREAS SHALL SLOPE AS SHOWN ON PLANS WITH A 2% MAXIMUM FALL. PLANTED AREAS SHALL HAVE A MINIMUM 2% FALL.
5. FINISH GRADE SHALL HAVE A UNIFORM SURFACE, FREE OF LUMPS, BUMPS AND DEPRESSIONS AND ANY OBJECTS THAT MAY PREVENT A POSITIVE FLOW TO DRAIN.
6. ALL PROPOSED PAVING SURFACES SHALL MEET EXISTING PAVING SURFACES WITH SMOOTH AND CONTINUOUS TRANSITIONS AND FLUSH ALONG ENTIRE EDGE.
7. CONCRETE WALKS TO HAVE A MAXIMUM CROSS SLOPE OF 2% AND SHALL MEET ALL CITY AND COUNTY REQUIREMENTS.
8. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS, EXISTING DRAINAGE STRUCTURES, PARKING LOT IMPROVEMENTS, AND FINISH FLOOR ELEVATIONS. NOTIFY THE OWNER'S CONSTRUCTION ADMINISTRATOR IMMEDIATELY UPON NOTING ANY DISCREPANCIES.
9. FINISH GRADE AT TURF AREAS SHALL BE ONE INCH BELOW FINISH SURFACE OF SIDEWALKS, CURBS OR PAVED AREAS. PLANTING AREA FINISH GRADE SHALL BE 2" BELOW SAME UNLESS OTHERWISE SPECIFIED.
10. ALL CONSTRUCTION AREAS SHALL BE FREE OF ROCK, DEBRIS, ETC. ALL EXISTING WEEDS SHALL BE REMOVED.
11. CONTRACTOR SHALL MEET EXISTING GRADE AT GRADING LIMITS WITH A SMOOTH AND CONTINUOUS TRANSITION.

GRADING LEGEND:

- EXISTING CONTOURS
- PROPOSED CONTOURS
- GB GB PROPOSED GRADE BREAK
- XXX.XX FS PROPOSED ELEVATIONS
- PROPOSED FLOW DIRECTION
- BS BOTTOM OF STEP
- FG FINISH GRADE
- FS FINISH SURFACE
- HP HIGH POINT
- INV INVERT ELEVATION (MAY CHANGE IN FIELD)
- PA PLANTING AREA
- TD TOP OF DRAIN
- TL TOP OF LEDGE
- TP TOP OF PAD
- TR TOP OF RAIL
- TS TOP OF STEP
- EXISTING ELEVATION (VERIFY IN FIELD)



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COMMUNITY PARK
SHAFTER, CA 93263

PRELIMINARY
GRADING +
DRAINAGE PLAN

Revisions	By

Drawn By DM, AL, ZM

Checked By DH

Date Issued 4-23-2024

Project No. 22-036

Scale

Sheet

SK5.0

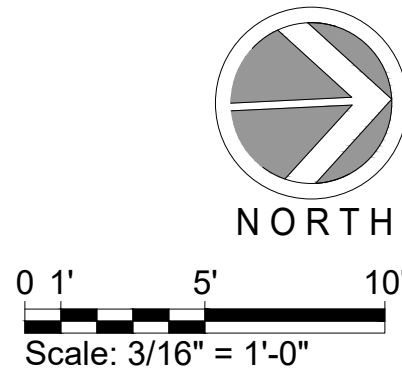
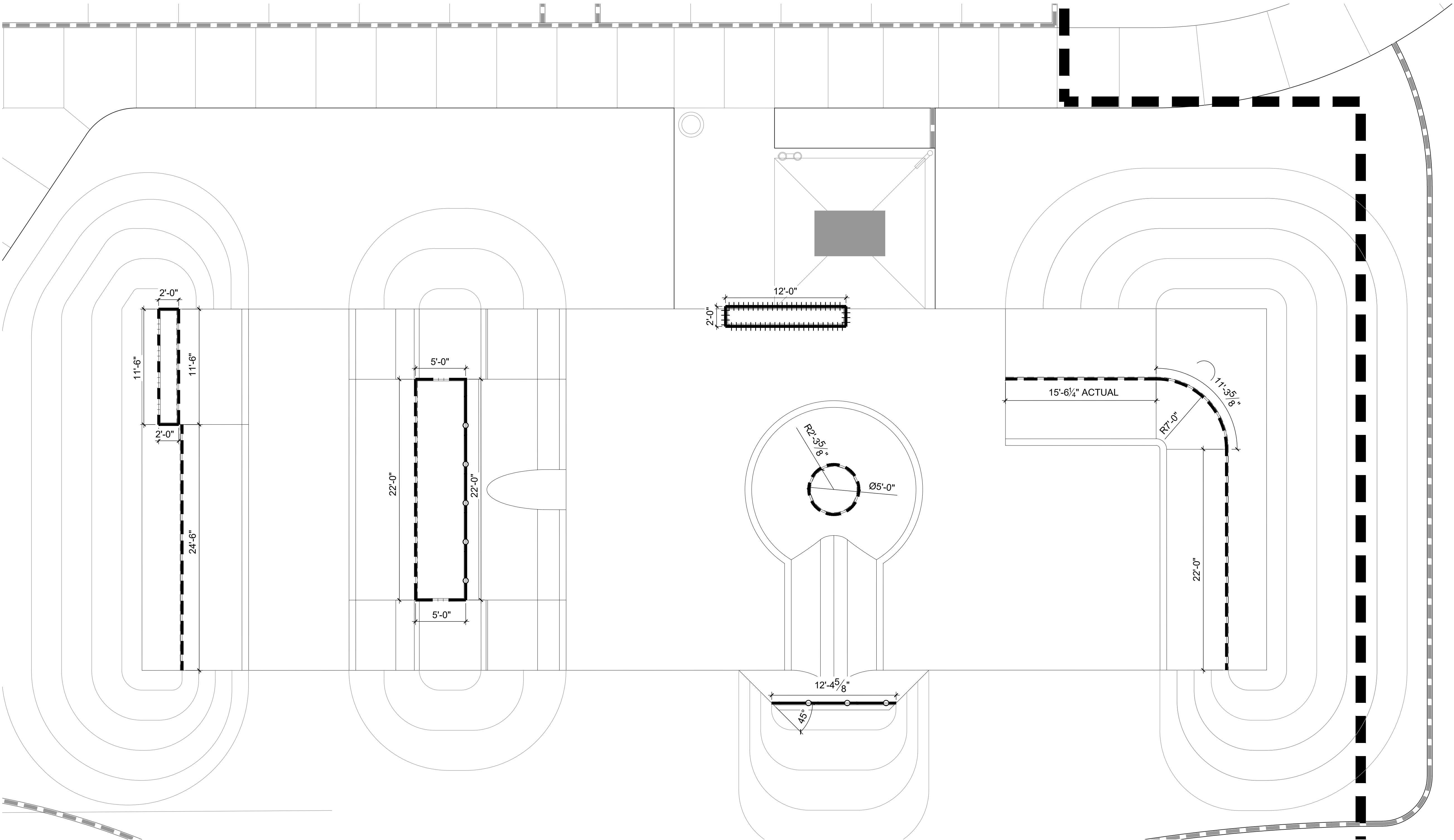
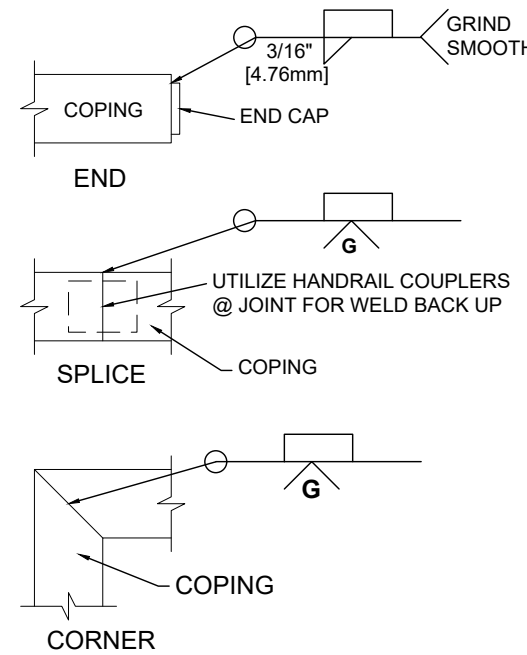
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STEEL SCHEDULE				
SYMBOL	DESCRIPTION	QTY	DETAIL	FINISH
S-01	2-3/8" O.D. SCH. 40 STEEL COPING	122 LF	11/SK8.0	HOT DIPPED GALVANIZED
S-02	1.5" X 2" X 3/16" THK. STEEL EDGING	26 LF	8/SK8.0	HOT DIPPED GALVANIZED
S-03	2" X 5" X 3" X 3/16" THK. CANTILEVERED STEEL EDGING	28 LF	10/SK8.0	HOT DIPPED GALVANIZED
S-04	2" STEEL STRAP	34 LF	9/SK8.0	HOT DIPPED GALVANIZED

STEEL NOTES :

- STEEL FINISH TO BE HOT DIPPED GALVANIZED
- FINISH MUST OCCUR AFTER ALL WELDING IS COMPLETE.
- CAP ALL EXPOSED TUBE OR PIPE ENDS AND ROUND ALL SHARP EDGES.
- ALL WELDS TO BE ALL AROUND.
- GRIND ALL WELDS SMOOTH BEFORE FINISHING.
- FABRICATE STEEL GRIND EDGES IN LONG SECTIONS THAT WILL WORK FOR SHIPPING AND REDUCE THE NUMBER OF WELDS IN THE FIELD.
- CLEAN METAL EDGES AFTER PLACEMENT OF CONCRETE.
- HOT DIPPED GALVANIZE REPAIR - FIELD WELDS SHALL BE GROUND SMOOTH AND TREATED WITH COLD GALVANIZING SPRAY.
- SEE SECTION 05 50 00 - METAL FABRICATIONS OF SPECBOOK FOR SKATEPARKS FOR ALL STEEL SPECIFICATIONS.

COPING / RAIL JOINT WELDS



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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263

PRELIMINARY
STEEL PLAN

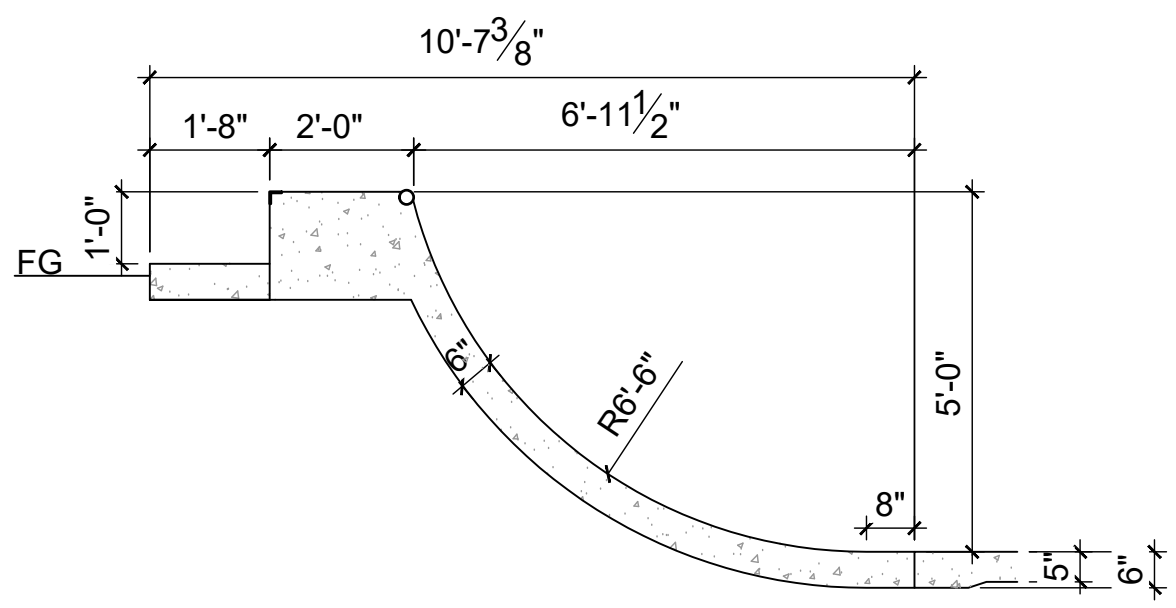
Revisions	By

Drawn By DM, AL, ZM
Checked By DH
Date Issued 4-23-2024
Project No. 22-036
Scale

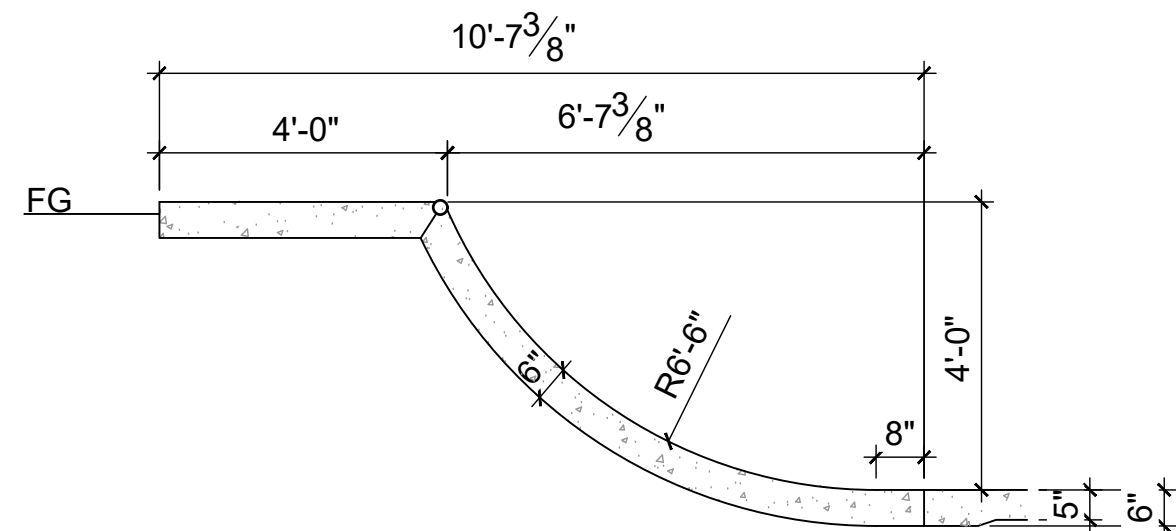
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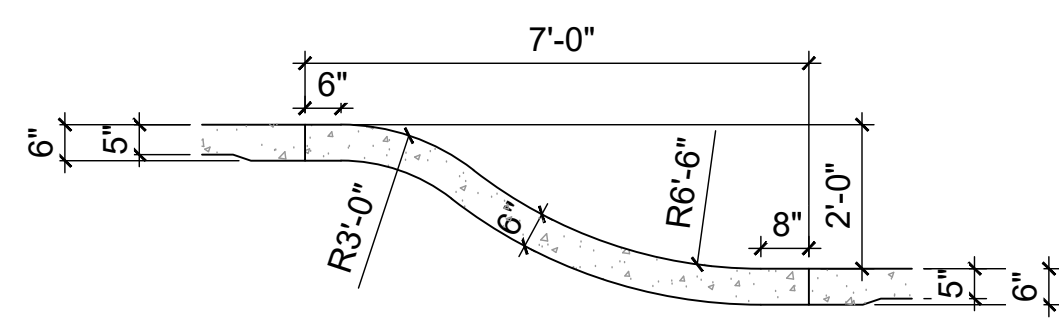
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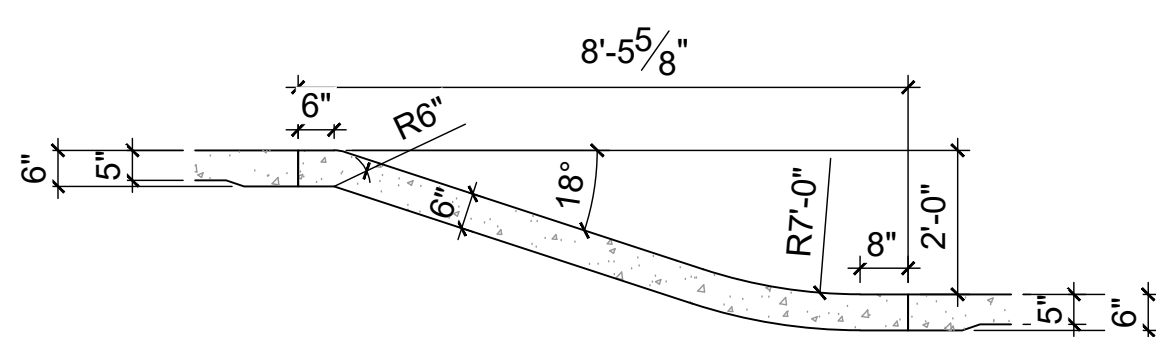
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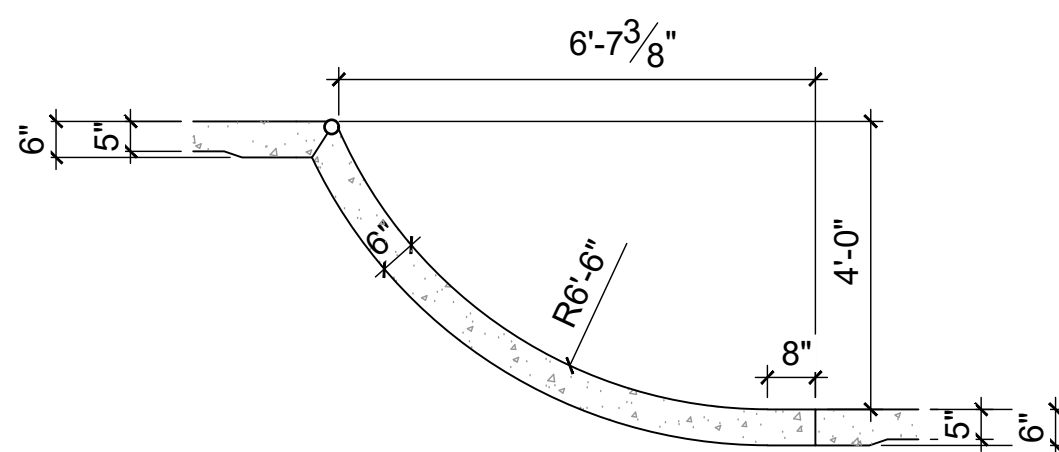
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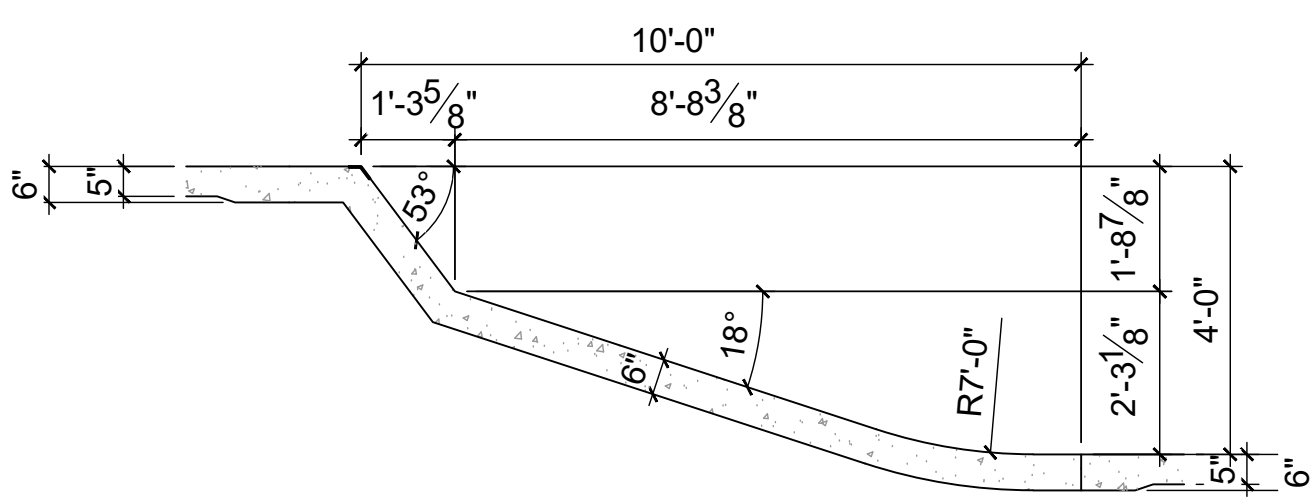
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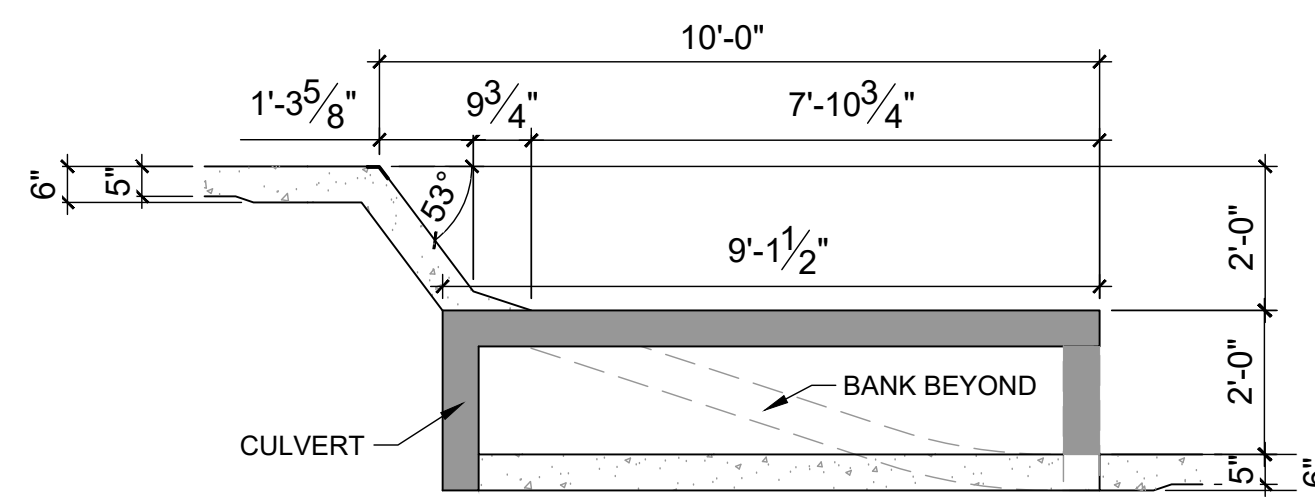
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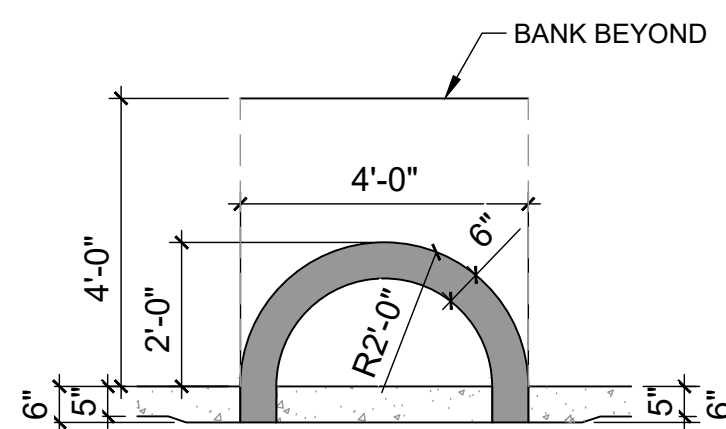
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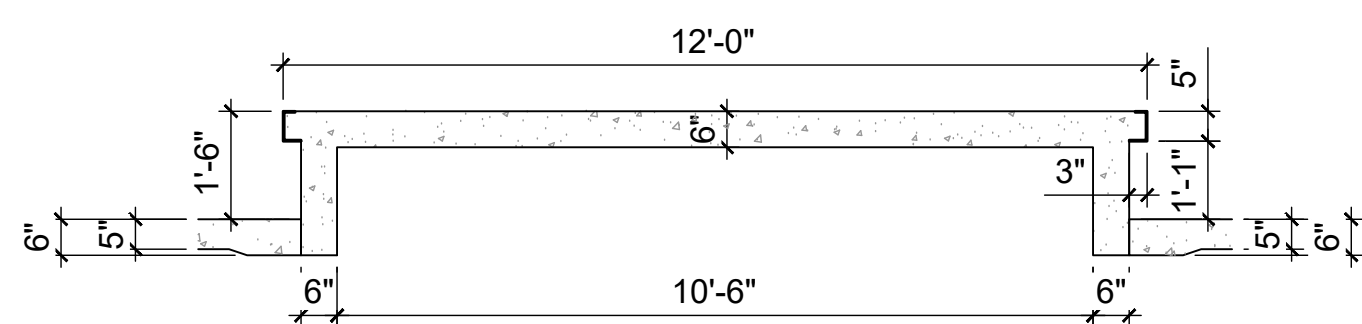
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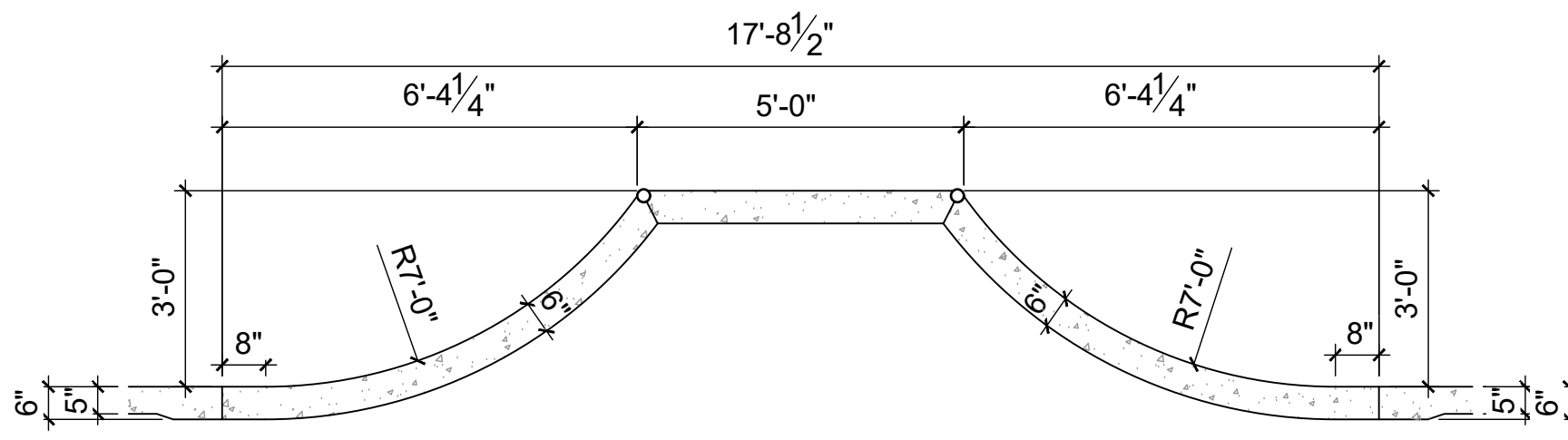
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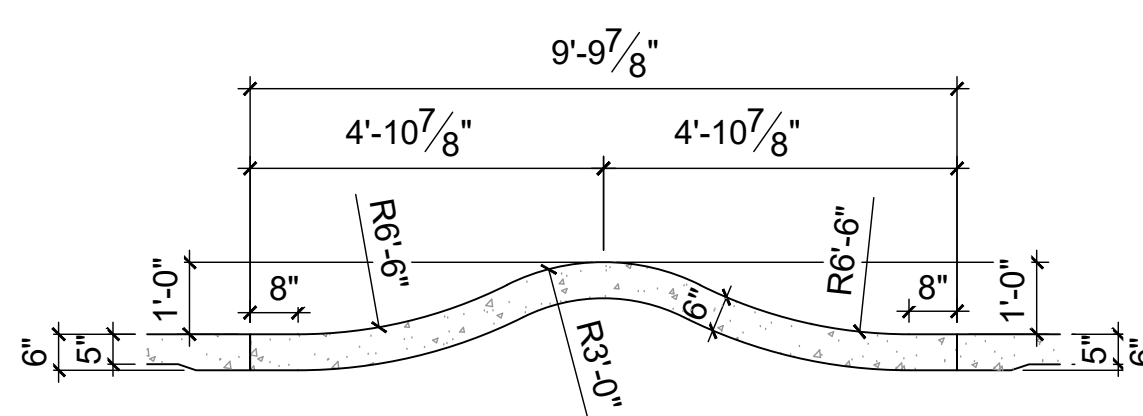
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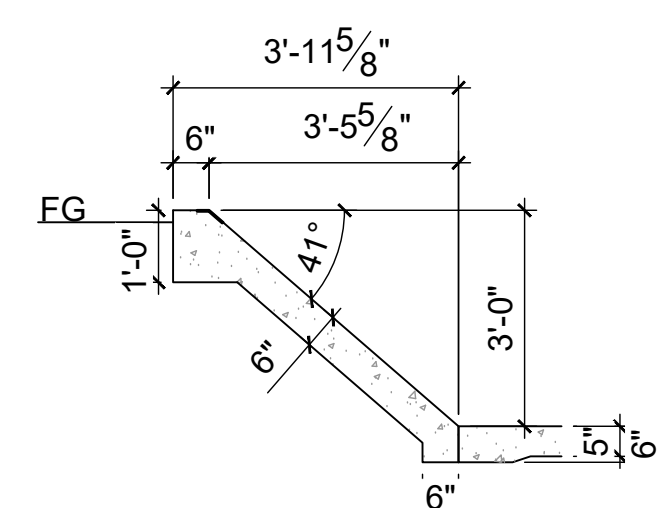
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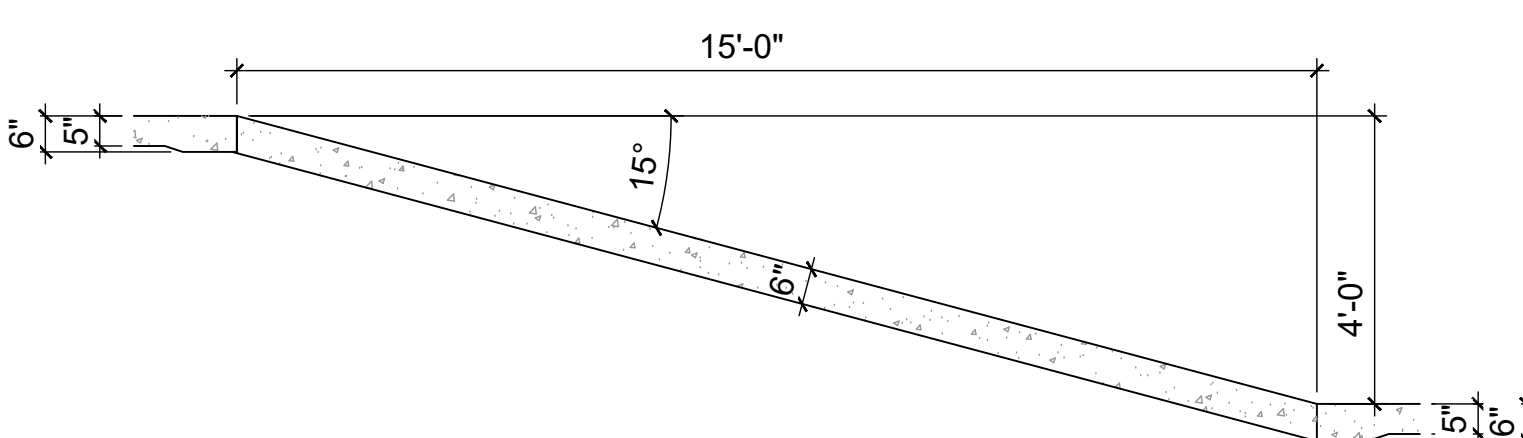
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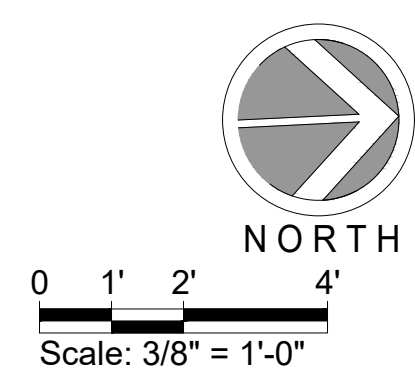
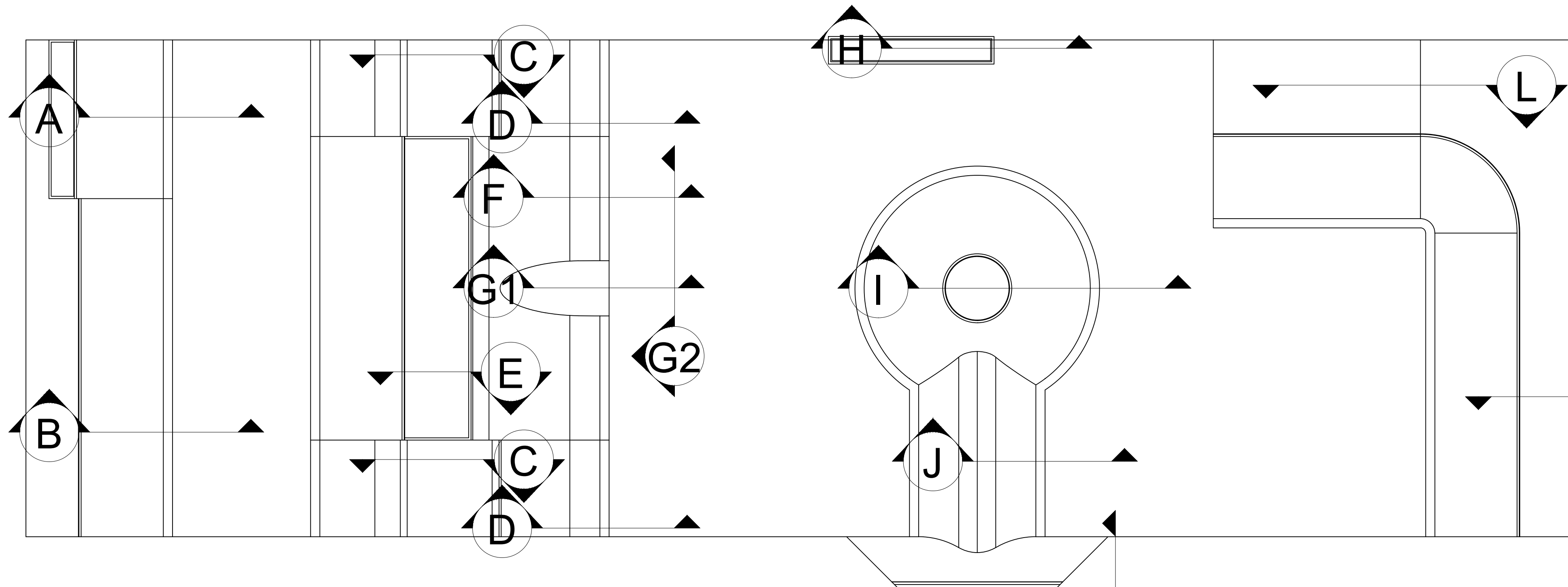
SECTION J



SECTION K



SECTION L



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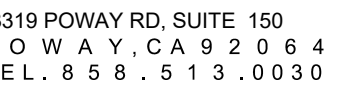
**NORTH SHAFTER
COMMUNITY PARK**
SHAFTER, CA 93263

PRELIMINARY
SECTIONS

Revisions	By

Drawn By DM, AL, ZM
Checked By DH
Date Issued 4-23-2024
Project No. 22-036
Scale

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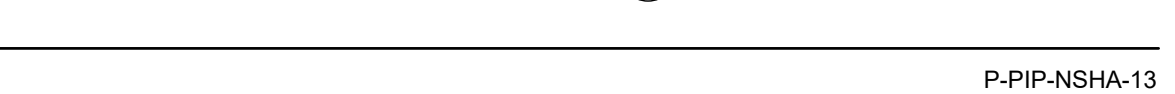


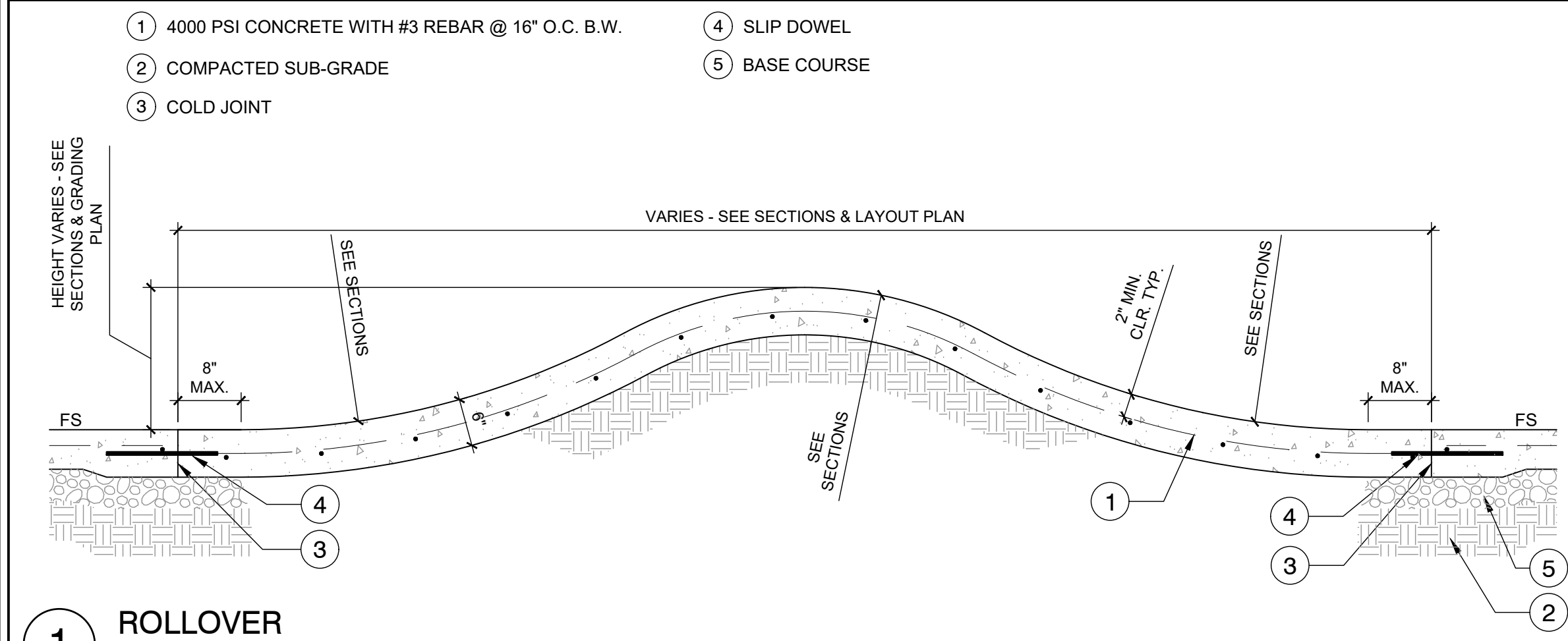
REGISTERED PROFESSIONAL ENGINEER
KEVIN S. BOERLINGER
C 67904
4/23/24
CIVIL
STATE OF CALIFORNIA

PRELIMINARY

Drawn By DM, AL, ZM
 Checked By DH
 Date Issued 4-23-2024
 Project No. 22-036
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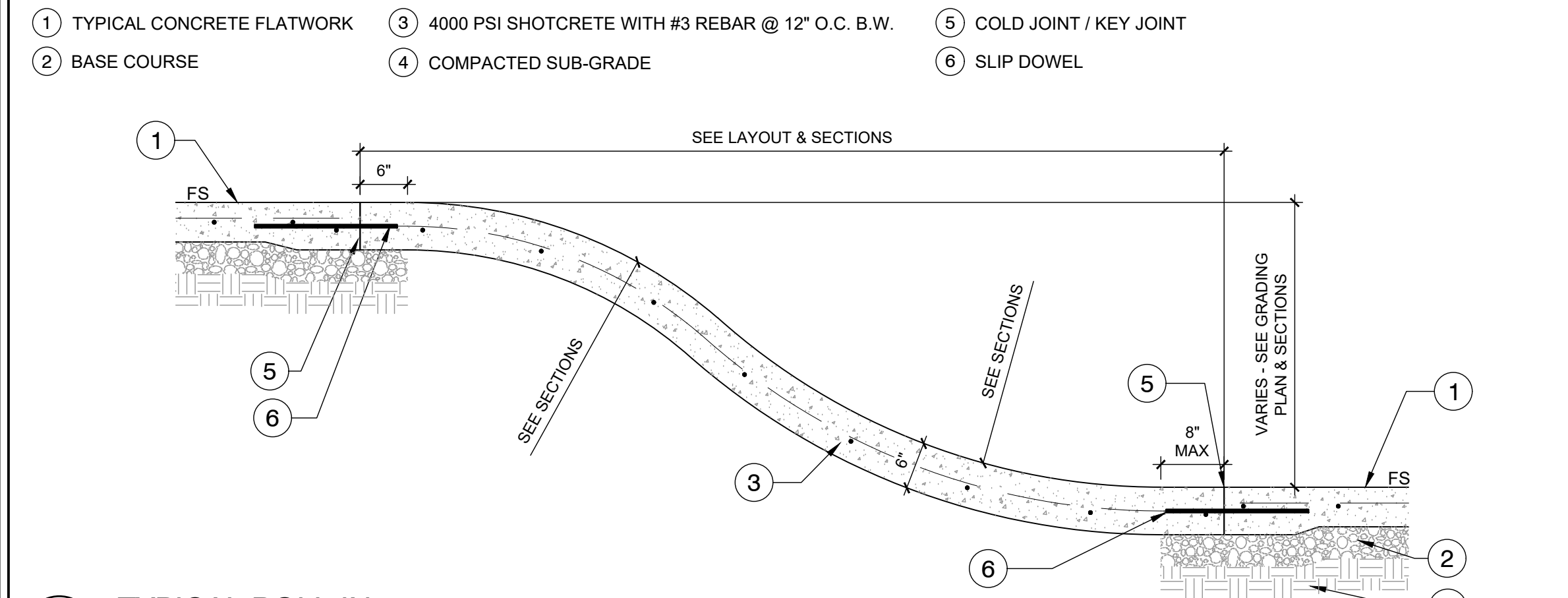
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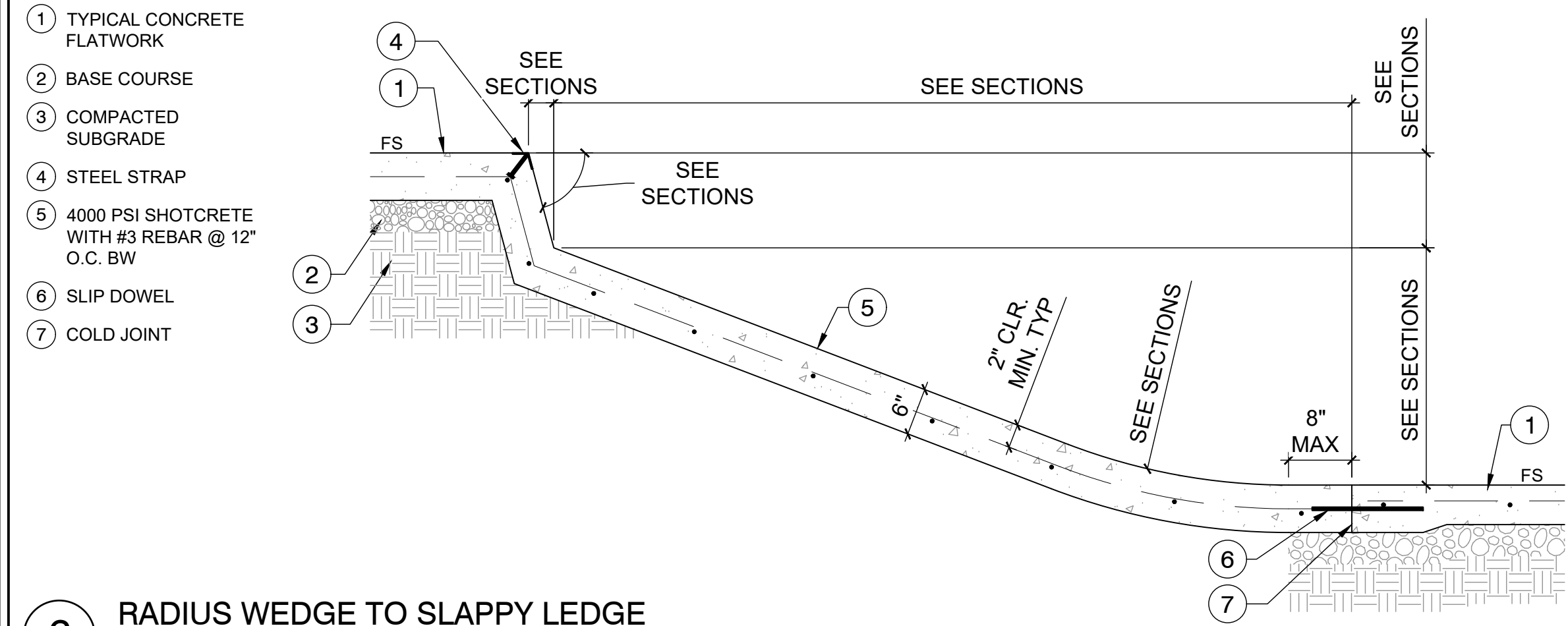
1 ROLLOVER
3/4" = 1'-0"

P-PIP-NSHA-32



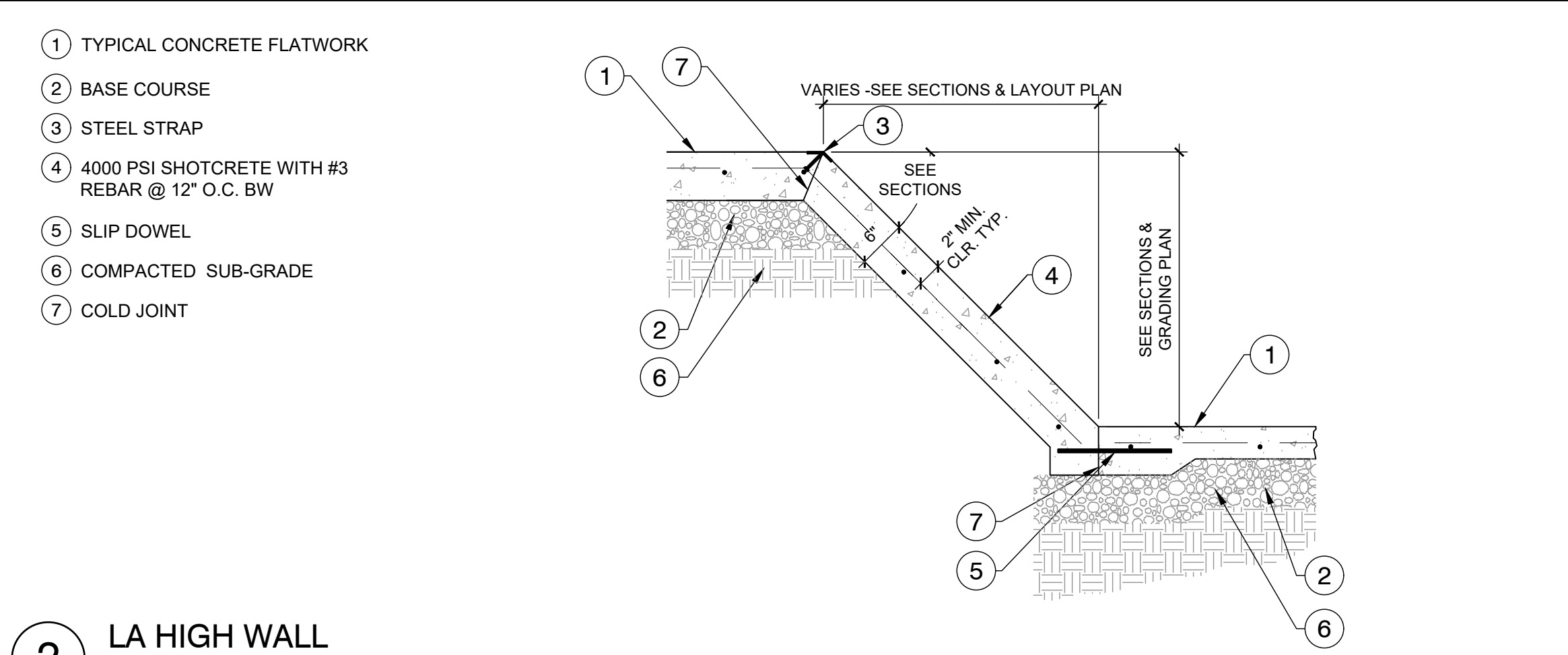
4 TYPICAL ROLL-IN
3/4" = 1'-0"

P-PIP-NSHA-26



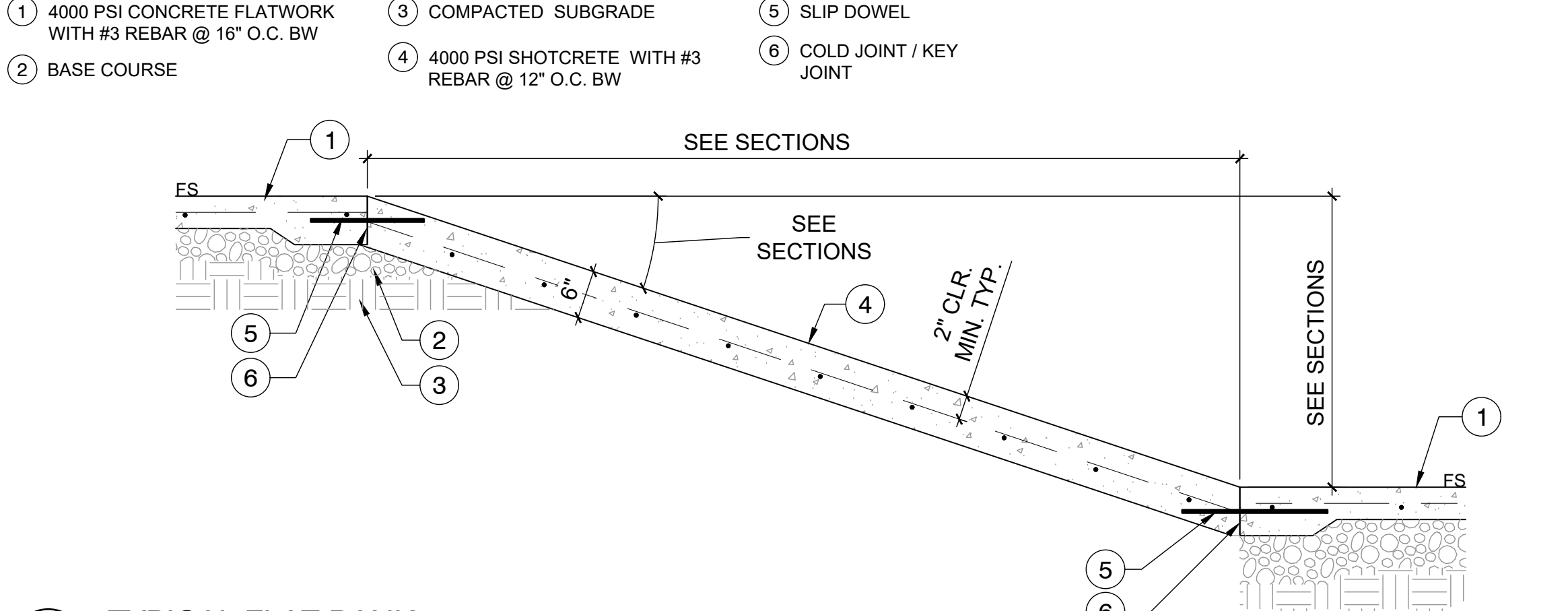
6 RADIUS WEDGE TO SLAPPY LEDGE
3/4" = 1'-0"

P-PIP-NSHA-101



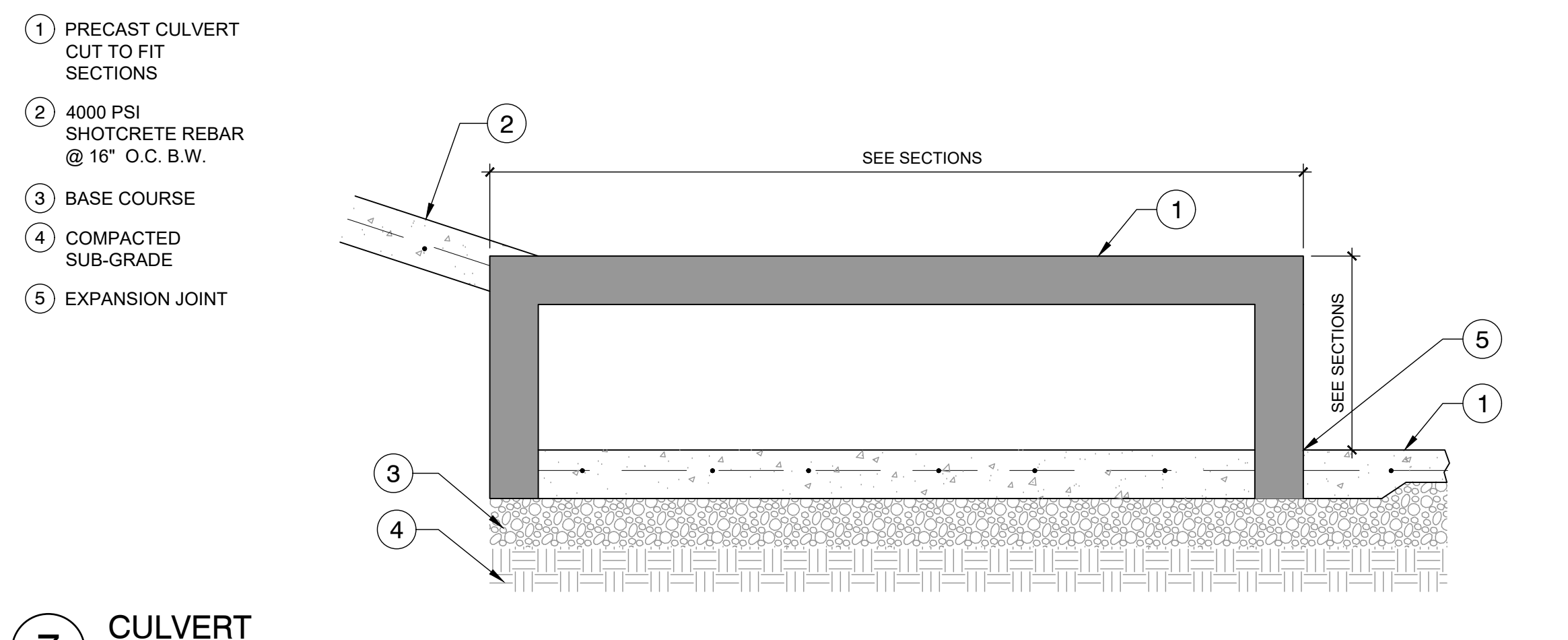
2 LA HIGH WALL
3/4" = 1'-0"

P-PIP-NSHA-36



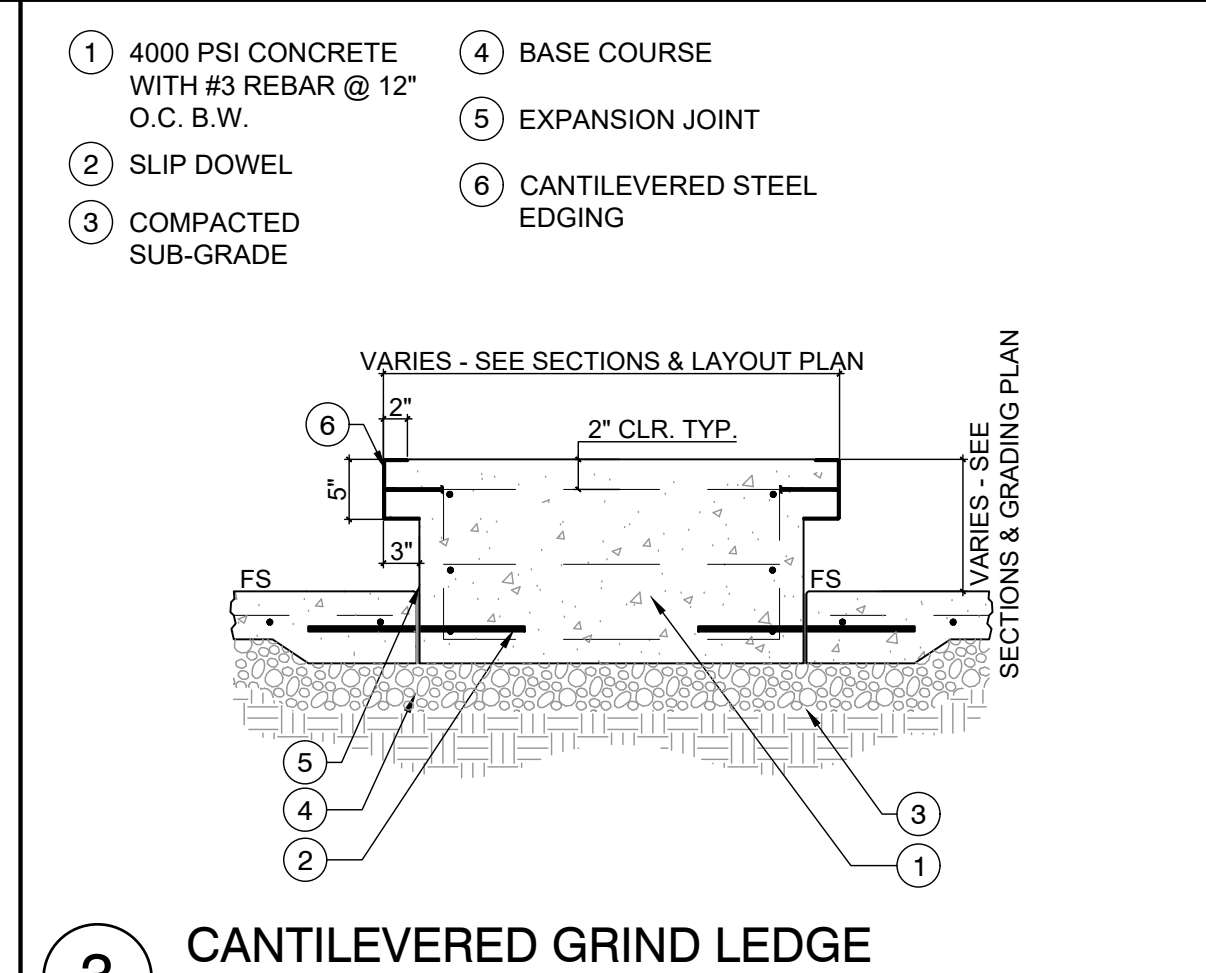
5 TYPICAL FLAT BANK
3/4" = 1'-0"

P-PIP-NSHA-100



7 CULVERT
3/4" = 1'-0"

P-PIP-NSHA-25



3 CANTILEVERED GRIND LEDGE
3/4" = 1'-0"

P-PIP-NSHA-43



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NORTH SHAFTER
COMMUNITY PARK
SHAFTER, CA 93263

PRELIMINARY
CONSTRUCTION DETAILS

Revisions	By

Drawn By DM, AL, ZM
Checked By DH
Date Issued 4-23-2024
Project No. 22-036
Scale _____

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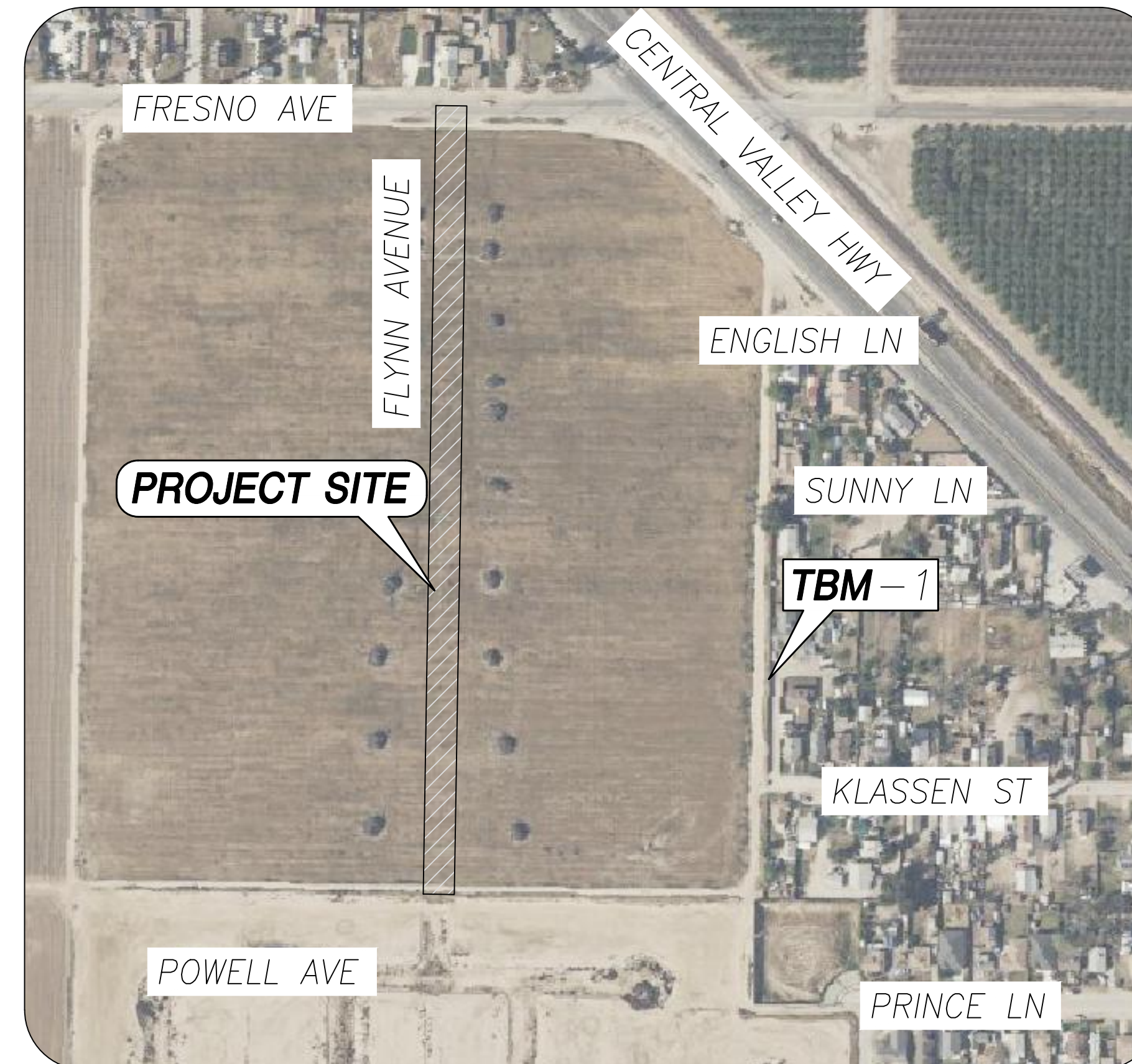


City of Shafter

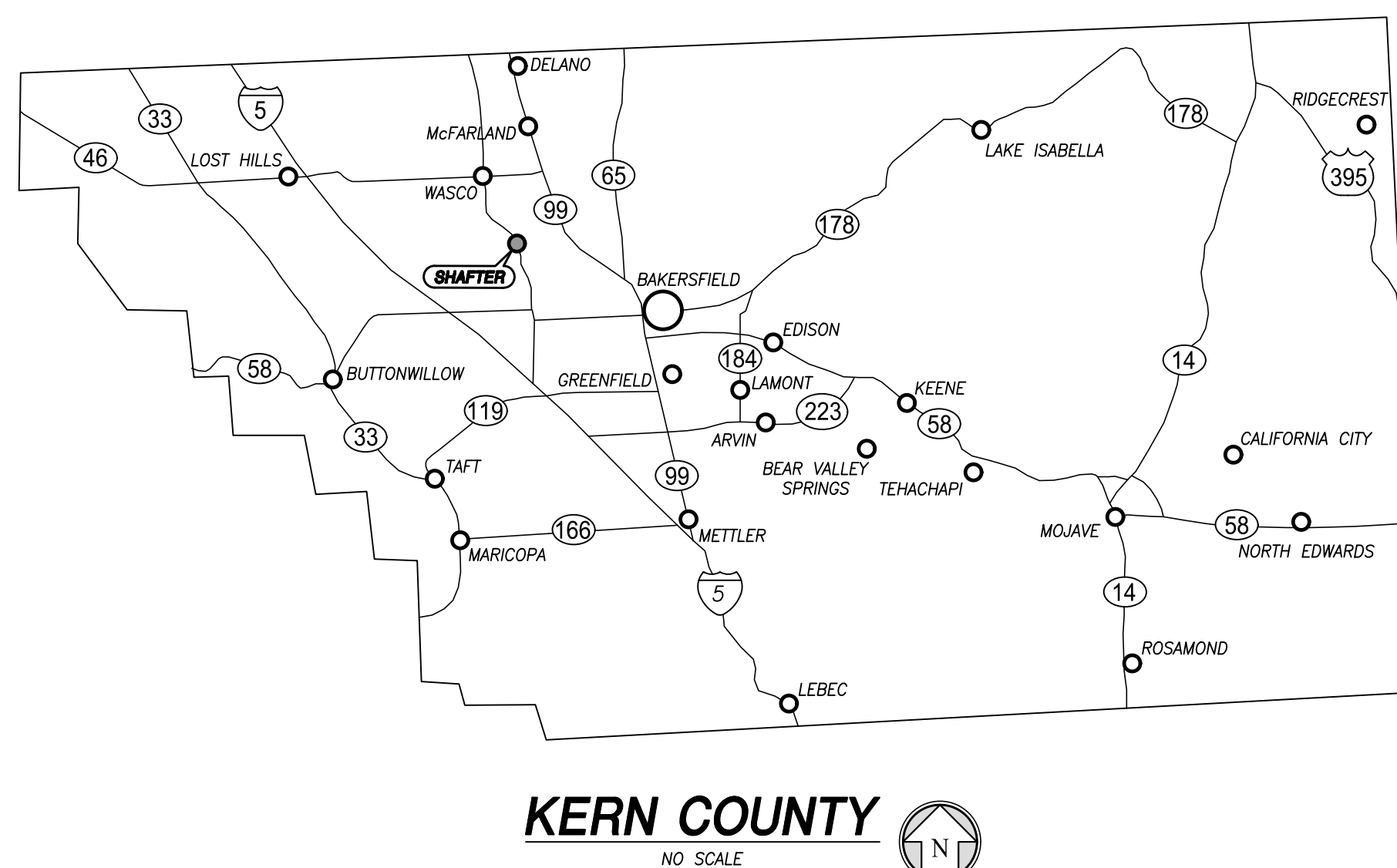
County of Kern

State of California

NORTH SHAFTER COMMUNITY PARK FLYNN AVENUE IMPROVEMENTS



AREA MAP
NO SCALE



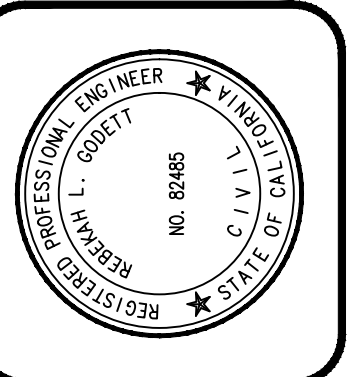
APPROVED BY:
CITY OF SHAFTER

RAVI S. PUDIPEDDI, RCE 75105
CITY ENGINEER - CITY OF SHAFTER

DATE _____

[illegible]

10



R.C.E. 02403

REBEKAH L. GODETT
PROJECT ENGINEER

DATE _____

QIN
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CITY OF SHAFTER
336 PACIFIC AVENUE
SHAFTER, CA 93263

(661) 746-5004
**FLYNN AVENUE IMPROVEMENTS
COVER SHEET**

PROJECT NO.: 230037
DRAWN BY:
OF
QA/QC BY:
ID
SCALE:
NO SCALE
SHEET NO.: 1 OF 14

Page 194 of 395

GENERAL NOTES

- 24 HOUR INSPECTION NOTICE – PRIOR TO THE START OF ANY PHASE OF CONSTRUCTION, THE OFFICE OF THE CITY ENGINEER SHALL BE GIVEN AT LEAST 24 HOURS NOTICE. PHONE: (661) 746-5002.
- COMPACTION TEST NOTE – COMPACTION TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE NUMBER AND LOCATION OF REQUIRED TESTING SHALL BE DETERMINED BY THE CITY ENGINEER.
- CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT (USA) AND THE CITY OF SHAFER DEPARTMENT OF PUBLIC WORKS AT LEAST TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION TO MARK THE LOCATIONS OF EXISTING UTILITY LINES.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE THE START OF CONSTRUCTION. A CITY ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE OFFICE OF THE CITY ENGINEER FOR ALL WORK TO BE PERFORMED IN THE CITY RIGHT-OF-WAY.
- THE LOCATIONS OF EXISTING UTILITIES AND UNDERGROUND PIPELINES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND PIPELINES BEFORE COMMENCING WORK. CONTRACTOR ASSUMES ALL LIABILITY FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES DAMAGED BY FAILURE TO EXACTLY LOCATE, PRESERVE, AND PROTECT ANY AND ALL UNDERGROUND UTILITIES AND PIPELINES. SHOULD UNDERGROUND FACILITIES BE ENCOUNTERED WHICH ARE NOT SHOWN ON THE PLANS OR DERIVED FROM THE LOCATION SHOWN, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER OF THAT FACILITY (IF APPROPRIATE) AND THE ENGINEER FOR POSSIBLE DESIGN CHANGES.
- ANY TRENCHING CONDUCTED WITHIN THIS PROJECT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CITY STANDARDS.
- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL OBSTRUCTIONS WITHIN THE STREET RIGHT-OF-WAY AS DIRECTED BY THE CITY ENGINEER.
- CONTRACTOR SHALL AGREE TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER, ENGINEER, AND THE CITY OF SHAFER HARMLESS FROM ANY AND ALL LIABILITY OR LAWSUITS IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING THE LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER/ENGINEER/CITY OF SHAFER.
- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF SHAFER STANDARDS, THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL ENGINEERING INVESTIGATION REPORT FOR NORTH SHAFER COMMUNITY PARK COMPLETED BY BSK ASSOCIATES PROJECT NUMBER 000000-880, DATED JULY 13, 2023, AS WELL AS APPENDIX J OF THE 2016 CALIFORNIA BUILDING CODE, AND AS DIRECTED BY THE CITY ENGINEER.
- ALL EXISTING IMPROVEMENTS THAT ARE REMOVED, DAMAGED, OR UNDERCUT SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE CITY ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- DUST CONTROL: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREVENT A DUST NUISANCE ORIGINATING FROM THE SITE OF WORK AS A RESULT OF HIS OPERATIONS DURING THE EFFECTIVE PERIOD OF THIS CONTRACT. PREVENTATIVE MEASURES TO BE TAKEN BY THE CONTRACTOR SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
 - OBTAIN AN APPROVED DUST CONTROL PLAN FROM THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT.
 - WATER SHALL BE APPLIED TO ALL UNPAVED AREAS AS REQUIRED TO PREVENT THE SURFACES FROM BECOMING DRY ENOUGH TO PERMIT DUST FORMATION.
 - PAVED SURFACES OVER WHICH VEHICULAR TRAFFIC IS PERMITTED TO TRAVEL SHALL BE KEPT FREE OF DIRT.
 - CONTRACTOR SHALL BE IN CONFORMANCE WITH THE SJVAPCD FOR AIR QUALITY STANDARDS AND MITIGATION MEASURES.
- ALL CONSTRUCTION PERSONNEL SHALL BE TRAINED IN SENSITIVE SPECIES IDENTIFICATION AND AVOIDANCE TECHNIQUES AND BE INSTRUCTED TO BE ON THE LOOKOUT FOR KIT FOX SIGNS DURING EARTH DISTURBANCE PHASES OF CONSTRUCTION. ANY EVIDENCE OF SUCH SIGNS SHOULD BE AVOIDED AND REPORTED TO THE REVIEWING AGENCIES FOR RESOLUTION. COMPLETE BIOLOGICAL CLEARANCE SURVEY SHALL BE PERFORMED AS REQUIRED BY CITY ORDINANCE.
- THIS PROJECT IS SUBJECT TO THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), A "NOTICE OF INTENT" (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY (ORDER NO. 2009-009-DWO), AND AMENDED BY 2010-0014-DWO) MUST BE FILED WITH STATE WATER RESOURCES CONTROL BOARD IN SACRAMENTO BEFORE THE BEGINNING OF ANY CONSTRUCTION. COMPLIANCE WITH THE GENERAL PERMIT REQUIRES THAT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) BE PREPARED, CONTINUOUSLY CARRIED OUT, AND ALWAYS BE AVAILABLE FOR PUBLIC INSPECTION DURING NORMAL CONSTRUCTION HOURS.
- SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILLED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT OK AT (661) 616-2600. ANY REVISIONS REQUIRE CITY DEPARTMENT OF PUBLIC WORKS APPROVAL BEFORE PROCEEDING WITH REVISED PLANS.
- OK SHALL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES TO, OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY OK.
- CONTRACTOR SHALL NOTIFY OK OF ANY AND ALL CONFLICTS BETWEEN CONTRACT DRAWINGS AND ACTUAL SITE CONDITIONS PRIOR TO COMMENCING ANY WORK IN QUESTION.
- IF DURING THE CONSTRUCTION ACTIVITIES OR GROUND DISTURBANCE, CULTURAL RESOURCES ARE UNCOVERED, THE SUBDIVIDER SHALL STOP WORK AND RETAIN A QUALIFIED ARCHEOLOGIST FOR FURTHER STUDY. SUBDIVIDER SHALL NOTIFY THE PROPER AUTHORITIES AND BE SUBJECT TO ANY MITIGATION MEASURES REQUIRED OF THE ARCHEOLOGIST.
- THE CONTRACTOR SHALL NOT DESTROY ANY PERMANENT SURVEY MONUMENTS. ANY PERMANENT MONUMENTS OR POINTS DESTROYED SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- AT THE INITIAL CONSTRUCTION MEETING PRIOR TO GRADING ACTIVITIES, ALL CONSTRUCTION WORKERS MUST BE INFORMED OF THE SYMPTOMS OF VALLEY FEVER AND COVID-19.
- PARCEL MERGER WILL BE REQUIRED PRIOR TO COMPLETION OF THE PROJECT.

GRADING NOTES

- THE OFFICE OF THE CITY ENGINEER SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF THE PLACEMENT OF ANY FILL MATERIAL.
- FILL MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER.
- ALL FILL MATERIAL SHALL BE MOISTURE CONDITIONED TO AT LEAST 2% ABOVE OPTIMUM MOISTURE AND COMPACTED TO 90% MINIMUM RELATIVE DENSITY, AS DETERMINED BY TEST METHODS REFERENCED IN THE 2016 CALIFORNIA BUILDING CODE APPENDIX J, AND SO CERTIFIED BY TESTS AND REPORT FROM THE GEOTECHNICAL ENGINEER.
- THE DESIGN ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING OPERATIONS TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODE WITHIN HIS PURVIEW.
- THE PLACEMENT OF FILL SHALL BE IN 6" MAXIMUM LIFTS, COMPACTED WITH HEAVY COMPACTION EQUIPMENT APPROVED BY THE CITY ENGINEER, UNLESS SPECIFICALLY RECOMMENDED OTHERWISE IN THE FINAL GEOTECHNICAL REPORT.
- COMPACTION IN PROPOSED PAVEMENT AREAS SHALL BE IN ACCORDANCE WITH THE STREET IMPROVEMENT PLANS AND THE FINAL GEOTECHNICAL REPORT.
- ALL CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
- ALL FILL AREAS TO BE CLEARED OF ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FOR A STRUCTURAL FILL AND THE AREAS SHALL BE SCARPED TO A DEPTH OF 6", UNLESS SPECIFICALLY NOTED OTHERWISE IN THE PRELIMINARY GEOTECHNICAL REPORT.
- ALL SLOPES IN EXCESS OF THREE FEET SHALL BE PREPARED AND MAINTAINED TO CONTROL AGAINST EROSION.
- SURFACE DRAINAGE TO BE 1% MINIMUM, EXCEPT AS WAIVED BY CITY ENGINEER.
- GRADING WORK SHALL BE SUPERVISED AS ENGINEERED GRADING IN ACCORDANCE WITH APPENDIX J OF THE 2016 CALIFORNIA BUILDING CODE.
- DURING GRADING, REASONABLE SEARCHING SHOULD BE PERFORMED FOR CONCEALED SUBSURFACE OBSTRUCTIONS. ALL ABANDONED OBSTRUCTIONS SHOULD BE REMOVED. IF THE TERMS OF ANY ABANDONED PIPING IS OUTSIDE THE PROJECT LIMITS, THE PIPING SHOULD BE REMOVED WITHIN THE PROJECT AND PROPERLY CAPPED AT THE PROJECT BOUNDARY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL NECESSARY UTILITY RELOCATIONS.
- CONTRACTOR TO COORDINATE WITH THE INSPECTOR FOR THE LOCATION OF THE BORROW OR SPOILS PRIOR TO BEGINNING CONSTRUCTION.
- GRADING MAY REQUIRE THE BURIAL OF NATURAL DRAINAGE COURSES. WHEN THIS OCCURS SUBDRAINS SHOULD BE INSTALLED. THE SUBDRAINS SHOULD CONSIST OF 3/4" INCH DRAIN-ROCK WRAPPED IN GEOTEXTILE FABRIC "SUFAC 4N" OR EQUAL. THE SUBDRAINS SHOULD HAVE A CROSS SECTION EQUAL TO 9 SQUARE FEET.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF SAID GRADING QUANTITIES PRIOR TO THE START OF GRADING OPERATIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR DISTRIBUTING ANY EXCESS MATERIAL OR SUPPLY MATERIAL FOR DEFICIENCIES TO BRING PAVEMENT OR LOTS TO REQUIRED GRADE. CLARIFICATION OF GRADING SHALL BE DONE BY THE ENGINEER, AND THE CITY DEPARTMENT OF PUBLIC WORKS WILL NEED TO BE NOTIFIED.
- THE CONTRACTOR SHALL CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY OK AND THE CITY ENGINEER IN WRITING IMMEDIATELY OF ANY DIFFERENCES IN TOPOGRAPHY FROM THAT SHOWN ON THE PLANS WHICH MAY REQUIRE CHANGES IN DESIGN.
- THE CONTRACTOR SHALL NOTIFY THE CITY DEPARTMENT OF PUBLIC WORKS WHERE IT IS REASONABLY LIKELY THAT CORRECTIVE GRADING/SLOPE REPAIR WORK WILL EXTEND BEYOND THE LIMITS OF GRADING DELINEATED ON THESE PLANS.

STREET NOTES

- ALL STATIONING IS BASED ALONG STREET CENTERLINE UNLESS OTHERWISE NOTED.
- ALL EXISTING PAVING AND SURFACING REMOVED, DAMAGED OR UNDERCUT SHALL BE REPLACED IN ACCORDANCE WITH CITY OF SHAFER DRAWING S-3.
- EXCAVATION SHALL BE SUPPORTED IN CONFORMANCE WITH THE RULES, ORDERS AND REGULATIONS OF THE INDUSTRIAL ACCIDENT COMMISSION AND THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA. ALL SHORING SHALL BE INSTALLED IN A MANNER THAT WILL PREVENT CAVING OF THE WALL OF THE EXCAVATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, INSPECTIONS AND MATERIALS TESTING.
- WHERE PROPOSED SEWER AND STORM DRAIN IMPROVEMENTS CONNECT TO EXISTING FACILITIES, THE CONTRACTOR SHALL, PRIOR TO BEGINNING CONSTRUCTION, VERIFY THE LOCATION (HORIZONTAL AND VERTICAL), SIZE AND TYPE OF THE EXISTING FACILITY. SHOULD THE ACTUAL LOCATION, SIZE OR TYPE DIFFER FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY OK AT (661) 616-2600 IMMEDIATELY AND PRIOR TO COMMENCEMENT OF WORK FOR POSSIBLE DESIGN CHANGES.
- THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ANY OBSTRUCTIONS AT HIS SOLE EXPENSE.
- CONTRACTOR SHALL EXPOSE ALL EXISTING PIPELINES OR OTHER UNDERGROUND OBSTRUCTIONS TO VERIFY THAT THERE ARE NO GRADE CONFLICTS PRIOR TO LAYING ANY GRAVITY PIPELINES UPSTREAM OF SAID PIPELINES OR OBSTRUCTIONS. FAILURE TO DO SO RELIEVES THE ENGINEER FROM FURTHER RESPONSIBILITY FOR SAID CONFLICT.
- CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION WATER AT HIS SOLE EXPENSE.
- ALL CONSTRUCTION MATERIALS, DEBRIS AND WASTE SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND ALL WASTE MATERIAL DISPOSED OF IN AN APPROVED DISPOSAL AREA. THE CONSTRUCTION SITE SHALL BE LEFT WITH A NEAT AND FINISHED APPEARANCE.

CITY OF SHAFER MATERIAL STANDARDS

HOT MIX ASPHALT (CALTRANS STANDARD SPECIFICATIONS SECTION 39, 2010)

- GENERAL:
 - THIS WORK INCLUDES PRODUCING AND PLACING HOT MIX ASPHALT (HMA) TYPE A USING THE STANDARD PROCESS.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CERTIFICATION AND TESTING FOR MATERIALS WHICH SHALL BE PROVIDED TO THE ENGINEER FOR EACH DAY THAT HOT MIX ASPHALT IS PLACED.
 - CONTRACTOR SHALL SUBMIT A QUALITY CONTROL (QC) PLAN TO THE CITY ALONG WITH A JOB MIX FORMULA (JMF). QC PLAN WILL MEET THE REQUIREMENTS OF CALTRANS SECTION 39-2.02. LOT SIZE SHALL BE 1,000 TONS OF HMA MAXIMUM AND SHALL BE LIMITED TO A SINGLE LIFT AND AN INTEGRAL NUMBER OF FULL PAVING LANES.
- MATERIALS:
 - HOT MIX ASPHALT SHALL BE TYPE A AND SHALL CONFORM TO THE PROVISIONS IN SECTION 39, "HOT MIX ASPHALT," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.
 - THE GRADATION SHALL COMPLY WITH THE REQUIREMENTS FOR 3/4" GRADING OF THE STANDARD SPECIFICATIONS FOR THE FOLLOWING STREETS: NONE
 - THE GRADATION SHALL COMPLY WITH THE REQUIREMENTS FOR 1/2" GRADING OF THE STANDARD SPECIFICATIONS FOR THE FOLLOWING STREETS: ALL OTHER STREETS
 - THE GRADE OF ASPHALT BINDER TO BE MIXED WITH AGGREGATE FOR TYPE A HOT MIX ASPHALT SHALL BE PG 64-10. PG70-10 MAY BE SUBSTITUTED AT THE APPROVAL OF THE CITY ENGINEER BINDER SHALL CONFORM TO THE PROVISIONS IN SECTION 92, "ASPHALTIS," OF THE STANDARD SPECIFICATIONS.
- PREPARATION:
 - SUBGRADE MUST BE FIRM AND UNYIELDING PRIOR TO THE PLACEMENT OF HMA. IF SUBGRADE IS FOUND TO BE YIELDING, PUMPING, OR OTHERWISE MOVING EXCESSIVELY UNDER LOAD, THEN CONTRACTOR, AT THE DIRECTION OF THE CITY, SHALL REMOVE THE SUBGRADE & REPLACE WITH COMPACTED CLASS II AGGREGATE, BASE OR OTHER APPROVED GRANULAR MATERIALS. WORK SHALL BE OBSERVED AND APPROVED BY THE CITY INSPECTOR PRIOR TO THE PLACEMENT OF HMA OVER THE AFFECTED AREA.
 - WHERE NEW HOT MIX ASPHALT PAVEMENT IS TO CONFORM TO EXISTING PAVED SURFACES, THE EXISTING PAVEMENT SHALL BE SAWCUT TO A FIRM UNIFORM GRADE.
 - ALL LOOSE AND EXTRANEOUS MATERIALS SHALL BE REMOVED PRIOR TO NEW HOT MIX ASPHALT SURFACING. IMMEDIATELY PRIOR TO RESURFACING, TEMPORARY OIL SAND RAMPS AT COLD PLANED CUTS SHALL BE REMOVED.
 - ASPHALTIC PAINT BINDER (TACK COAT) SHALL BE FURNISHED AND APPLIED TO ALL VERTICAL EDGES, EXISTING SURFACES TO BE SURFACED, AND BETWEEN LAYERS OF HOT MIX ASPHALT AT THE RATE OF 0.05 GALLONS PER SQ. YD. OF SURFACE COVERED.
 - THE AREA TO WHICH ASPHALTIC PAINT BINDER (TACK COAT) HAS BEEN APPLIED SHALL BE CLOSED TO PUBLIC TRAFFIC. CARE SHALL BE TAKEN TO AVOID TRACKING BINDER MATERIAL ONTO EXISTING PAVEMENT SURFACES, CONCRETE IMPROVEMENTS, OR BEYOND THE LIMITS OF CONSTRUCTION.
 - WHEN ASPHALTIC EMULSION IS USED AS PAINT BINDER (TACK COAT), HOT MIX ASPHALT SHALL NOT BE PLACED UNTIL THE APPLIED ASPHALTIC EMULSION HAS COMPLETELY CHANGED COLOR FROM BROWN TO BLACK.
- TRANSPORTATION, SPREADING & COMPACTING:
 - ATTENTION IS ALSO DIRECTED TO SECTIONS 39-1.10, "SPREADING AND COMPACTING EQUIPMENT," AND 39-1.11, "TRANSPORTING, SPREADING, AND COMPACTING," OF THE STANDARD SPECIFICATIONS.
 - THE HOT MIX ASPHALT SHALL BE DELIVERED TO THE SITE IN A THOROUGHLY BLENDED CONDITION AND SHALL BE SPREAD BY A SELF-PROPELLED ASPHALT PAVING MACHINE IN SUCH A MANNER AS TO AVOID SEGREGATION AND POCKETS OF COARSE OR FINE MATERIAL DURING THE PLACING OPERATION.
 - AREAS INACCESSIBLE TO SPREADING AND COMPACTION EQUIPMENT MAY BE PAVED BY SUCH METHODS AS MAY BE APPROVED BY THE ENGINEER.
 - THE CONTRACTOR SHALL SCHEDULE PAVING OPERATIONS SO THAT EACH LAYER OF HOT MIX ASPHALT IS CONTINUOUS LAYERS. WHEN TRAVELING IN ONE DIRECTION, THE CONTRACTOR SHALL MAINTAIN A NEAT NEW EDGE OF PAVEMENT. THE NEW EDGE OF PAVEMENT SHALL NOT EXCEED THE PAVING LIMITS AS SHOWN ON THE PLANS. ANY HOT MIX ASPHALT PLACED BEYOND THE PAVING LIMITS AS SHOWN ON THE PLANS SHALL BE REMOVED AT THE CONTRACTOR EXPENSE AND THE METHOD OF REMOVAL SHALL BE APPROVED BY THE ENGINEER.
 - ALL LONGITUDINAL VERTICAL EDGES GREATER THAN 2" SHALL BE TAPERED AT A MINIMUM 4:1 SLOPE USING AGGREGATE BASE OR ASPHALT GRINDINGS, AT THE END OF EACH WORKING DAY. ALL COLD TRANSVERSE JOINTS SHALL BE TRIMMED TO A NEAT VERTICAL EDGE PRIOR TO THE NEXT DAY PAVING OPERATION.
 - THE EDGE OF EACH LIFT OF HOT MIX ASPHALT SHALL BE STAGGERED AS TO NOT LINE UP WITH THE UNDERLYING EDGE OF LIFT.
 - EACH LIFT OF HOT MIX ASPHALT SHALL NOT BE PLACED UNTIL THE EXISTING LIFT IS FREE OF DUST, VEGETATION, AND OTHER DEBRIS, AND IS APPROVED BY THE ENGINEER.
 - THE FINISH SURFACE WHEN COMPACTED SHALL BE SMOOTH, DENSE, WELL BONDED AND OF UNIFORM TEXTURE AND APPEARANCE.
 - SHOULD THE METHODS AND EQUIPMENT USED BY THE CONTRACTOR FAIL TO PRODUCE A LAYER OF HOT MIX ASPHALT CONFORMING TO THE PROVISIONS, INCLUDING STRAIGHTEDGE TOLERANCE, OF SECTION 39-1.12B, "STRAIGHTEDGE," OF THE STANDARD SPECIFICATIONS, THE PAVING OPERATIONS SHALL BE DISCONTINUED AND THE CONTRACTOR SHALL MODIFY THE EQUIPMENT OR METHODS, OR FURNISH ADDITIONAL EQUIPMENT.
 - COMPACTION EQUIPMENT SHALL CONFORM TO THE PROVISIONS OF SECTION 39-1.10, "SPREADING AND COMPACTING EQUIPMENT," OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL FURNISH A SUFFICIENT NUMBER OF ROLLERS TO OBTAIN THE SPECIFIED SURFACE REFINISH AND SURFACE REFINISH. THE CONTRACTOR SHALL SIZE THE ROLLERS TO ACHIEVE THE REQUIRED RESULTS.
 - VIBRATORY ROLLERS SHALL BE DOUBLE STEEL DRUM, HAVING ADJUSTABLE FREQUENCY AND AMPLITUDE SETTINGS DIRECTLY AVAILABLE TO THE OPERATOR DURING OPERATION.
 - ROLLING SHALL BE PERFORMED IN SUCH A MANNER THAT CRACKING, SHOVING OR DISPLACEMENT WILL BE AVOIDED. EQUIPMENT WHICH DOES NOT PERFORM SATISFACTORILY IN THE OPINION OF THE ENGINEER SHALL BE DISALLOWED AND REMOVED FROM THE SITE OF WORK.
 - IF THE FINISHED SURFACE OF THE HOT MIX ASPHALT DOES NOT MEET THE SPECIFIED SURFACE TOLERANCES, IT SHALL BE BROUGHT WITHIN TOLERANCE BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. THE METHOD WILL BE SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO CORRECTIVE WORK. CORRECTIVE WORK SHALL BE ONE OF THE FOLLOWING:
 - ABRASIVE GRINDING (WITH FOG SEAL COAT ON THE AREAS WHICH HAVE BEEN GROUND),
 - REMOVAL AND REPLACEMENT, OR
 - PLACING AN OVERLAY OF HOT MIX ASPHALT.IF ABRASIVE GRINDING IS USED TO BRING THE FINISHED SURFACE TO SPECIFIED SURFACE TOLERANCES, ADDITIONAL GRINDING SHALL BE PERFORMED, AS NECESSARY, TO EXTEND THE AREA GROUND IN EACH LATERAL DIRECTION SO THAT THE LATERAL LIMITS OF GRINDING ARE AT LEAST CONSTANT OFFSET FROM AND PARALLEL TO THE NEAREST LANE LINE OR PAVEMENT EDGE, AND IN EACH LONGITUDINAL DIRECTION SO THAT THE GRINDING BEGINS AND ENDS AT LINES NORMAL TO THE PAVEMENT CENTERLINE. WITHIN ANY GROUND AREA THAT IS NOT A RECTANGULAR AREA, GROUND AREAS SHALL BE NEAR RECTANGULAR IN SHAPE. APPEARANCE, ABRASIVE GRINDING SHALL CONFORM TO THE REQUIREMENTS IN THE FIRST PARAGRAPH AND THE LAST 4 PARAGRAPHS IN SECTION 42-2.02, "CONSTRUCTION," OF THE STANDARD SPECIFICATIONS.

AGGREGATE BASE:

AGGREGATE BASE SHALL BE CLASS 2 AND SHALL CONFORM TO THE PROVISIONS IN SECTION 26, "AGGREGATE BASES," OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS. AGGREGATE FOR CLASS 2 AGGREGATE BASE SHALL BE CLEAN AND FREE FROM VEGETABLE MATTER AND OTHER DELETERIOUS SUBSTANCES. COMPACT THE AGGREGATE BASE TO 95% RELATIVE COMPACTION. COMPACTION IS DETERMINED BY ASTM D1557-70, PROCEDURE A.

MISCELLANEOUS CONCRETE STRUCTURES

- CONCRETE CURB AND GUTTER SHALL CONFORM WITH THE DETAILS SHOWN ON THE PLANS AND SECTION 73 OF THE STATE STANDARDS SPECIFICATIONS.
- SIDEWALKS SHALL CONFORM TO THE CITY STANDARD DETAILS S-15, S-16, AND S-17.
- RESIDENTIAL & COMMERCIAL DRIVE APPROACHES SHALL CONFORM TO THE CITY STANDARD DETAILS S-12 AND S-13.
- CROSS GUTTERS SHALL CONFORM TO THE CITY STANDARD DETAILS S-5 AND S-6.
- MEDIAN CURBS SHALL CONFORM TO THE CITY STANDARD DETAIL S-2.
- CONCRETE USED TO ADJUST EXISTING FACILITIES TO GRADE SHALL MEET THE REQUIREMENTS OF THE STATE STANDARD SPECIFICATIONS, SECTION 90-10, MINOR CONCRETE. CLASS A MINIMUM.

PAVEMENT MARKINGS & STRIPING

- PAVEMENT MARKING & STRIPING MATERIAL SHALL BE LEAD-FREE WATERBORNE STRIPING PAINT CONFORMING TO SECTION 84-3, "PAINTED TRAFFIC STRIPES" AND PAVEMENT MARKINGS" OF THE STANDARD SPECIFICATIONS SHALL BE USED AS THE STANDARD CONSTRUCTION MATERIAL FOR ALL PAVEMENT MARKINGS.

CONSTRUCTION STANDARDS

- ALL STREET CONSTRUCTION, RECONSTRUCTION, AND REHABILITATION PERFORMED SHALL BE DONE IN ACCORDANCE WITH APPROPRIATE PROVISIONS AND CONSTRUCTION DETAILS, SECTION 10 TO SECTION 95, INCLUSIVE, OF THE STANDARD SPECIFICATIONS, CITY STANDARD DETAILS, AND IN ACCORDANCE WITH THE FOLLOWING SPECIAL PROVISIONS.

MISCELLANEOUS CONCRETE STRUCTURES

- THE OPERATIONS OF DEPOSITING, COMPACTING, AND FINISHING CONCRETE STRUCTURES SHALL BE CONDUCTED SO AS TO BUILD A SATISFACTORY STRUCTURE. IF ANY SECTION OF CONCRETE IS FOUND TO BE POROUS, OTHER THAN MINOR DEFECTS WHICH MAY BE PLASTERED, OR IS OTHERWISE DEFECTIVE, IT SHALL BE REMOVED AND REPLACED.
- CONCRETE THAT HAS BEEN BROKEN, CRACKED, OR VANDALIZED SHALL NOT BE ACCEPTABLE TO THE CITY AND SHALL BE REPLACED AT NO COST TO THE CITY.
- NO CONCRETE ITEM IS TO BE PLACED UNTIL THE SUBGRADE HAS BEEN COMPACTED AND TESTED IN CONFORMANCE WITH THE APPLICABLE CITY DETAILS AND THE CITY ENGINEER.

EARTHWORK GRADING

- ALL GRADING AND EARTHWORK FOR CITY STREETS SHALL BE IN FULL COMPLIANCE WITH SECTION 19 OF THE STANDARD SPECIFICATIONS AND THE APPROVED PLANS.
- EXCAVATION SHALL BE MADE TO THE REQUIRED WIDTH AND DEPTH TO ALLOW THE CONSTRUCTION OF THE STREET.
- ALL GRADING WORK SHALL BE SUPERVISED AS ENGINEERED GRADING.

SUBGRADE COMPACTION

- THE SUBGRADE UPON WHICH THE ROAD SECTION IS TO BE CONSTRUCTED SHALL BE COMPACTED TO A FIRM UNIFORM GRADE. ALL SOFT AND UNSUITABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH SUITABLE APPROVED MATERIAL.
- SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 90% RELATIVE MAXIMUM COMPACTION AND THICKNESS AS SPECIFIED ON THE APPROVED PLANS.
- THE CITY SHALL CHECK AND ACCEPT THE SUBGRADE BEFORE CONSTRUCTION OF THE ROAD SECTION CONTINUES.

AGGREGATE BASE

- AGGREGATE BASE SHALL BE MOISTENED TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT AND COMPACTED IN PLACE TO A RELATIVE MAXIMUM COMPACTION OF 95% AND THICKNESS AS SPECIFIED ON THE APPROVED PLANS.
- THE CITY SHALL CHECK AND ACCEPT THE AGGREGATE BASE BEFORE CONSTRUCTION OF THE ROAD SECTION CONTINUES.

FOG SEAL

- ALL NEW ASPHALT SURFACES SHALL RECEIVE A FOG SEAL PRIOR TO ACCEPTANCE BY THE CITY.
- FOG SEAL SHALL BE AN APPROVED MIXTURE OF WATER AND ASPHALTIC EMULSION CONFORMING TO SECTION 94 OF THE STANDARD SPECIFICATIONS.
- FOG SEAL SHALL BE APPLIED AS SET FORTH IN SECTION 37-1 OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS AT THE RATE OF 0.05 GALLONS OF ASPHALT EMULSION PER SQ. YD. OF SURFACE COVERED.
- FOG SEAL SHALL BE PERFORMED AFTER PAVING HAS BEEN COMPLETED AND BEFORE ANY MANHOLES, VALVE BOXES, AND OTHER UTILITY APPURTENANCES ARE BROUGHT TO GRADE.

ADJUSTING EXISTING HIGHWAY FACILITIES

- ALL EXISTING SEWER & STORM DRAIN MANHOLES, WATER VALVE BOXES, AND OTHER SUBSTRUCTURES SHALL BE BROUGHT TO GRADE IN ACCORDANCE WITH CITY STANDARD DETAIL S-8.

WATER NOTES

- CONTRACTOR WILL FURNISH ALL MATERIALS, TOOLS, LABOR, EQUIPMENT AND SUPERVISION NECESSARY TO COMPLETE INSTALLATION AND TESTING OF WATER IMPROVEMENTS AS SHOWN ON THE APPROVED PLANS AND SPECIFIED IN THE BIDDING DOCUMENTS.
- WATER TRANSMISSION AND/OR DISTRIBUTION MAINS ALL WATER TRANSMISSION AND/OR DISTRIBUTION MAINS SHALL BE AWWA C900 OR C905, CLASS 150 PVC.
- VALVES AND FITTINGS: ALL VALVES SHALL BE RESILIENT SEAT WEDGE GATE VALVES MEETING APPROPRIATE AWWA STANDARDS AS SPECIFIED IN THE BIDDING DOCUMENTS. ALL FITTINGS SHALL BE DUCTILE IRON AND SHALL MEET THE REQUIREMENTS OF AWWA C110 STANDARDS.
- TESTING:
 - IMMEDIATELY AFTER THE WATER LINE IS COMPLETED, THE CONTRACTOR SHALL TEST THE WATER LINE FOR LEAKAGE IN ACCORDANCE WITH THE CITY SPECIFICATIONS OF THE CITY INSPECTOR. ANY PIPE OR FITTINGS THAT FAIL TO PASS THE MAXIMUM ALLOWABLE LEAKAGE REQUIREMENTS SHALL BE REMOVED AND REPLACED WITH NEW MATERIALS AT THE EXPENSE OF THE CONTRACTOR.
 - THE LINES SHALL BE TESTED TO A PRESSURE OF 150 PSI. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED FOR THE TEST.
- DISINFECTION:
 - THE WORK SHALL BE ACCOMPLISHED BY THE CONTRACTOR, AFTER ALL PRESSURE AND LEAKAGE TESTS ARE COMPLETED, IN ACCORDANCE WITH AWWA SPECIFICATION C-851.
 - THE DISINFECTING AGENT SHALL BE SODIUM CHLORINE DIED THROUGH A MIXING EQUIPMENT WHICH GASIFIES AND DISSOLVES THE CHLORINE IN WATER IN STRONG SOLUTION AND DELIVERS THE SOLUTION IMMEDIATELY INTO THE PIPE LINE BEING TREATED.
 - THE WORK SHALL BE SUPERVISED BY A COMPETENT PERSON EXPERIENCED IN THE PROCESS, WHO SHALL USE AN APPROVED CHLORINE TEST COMPARATOR WITH STANDARDIZED ORTHOTOLUENE SOLUTION FOR MAKING THE TESTS.
 - THE CONTRACTOR SHALL FURNISH ALL NECESSARY WATER, CHEMICALS, EQUIPMENT AND PERSONNEL FOR APPLICATION. THE RATE OF APPLICATION OF CHLORINE SHALL BE AT LEAST 25 PARTS PER MILLION BY WEIGHT IN SAMPLES TAKEN FROM THE PORTION OF THE MAIN MOST DISTANT FROM THE POINT OF APPLICATION AND FROM THE END OF EACH BRANCH.
 - AFTER COMPLETION OF THE APPLICATION, THE PIPE LINES SHALL REMAIN CLOSED FOR 24 HOURS. SAMPLES SHALL THEN BE TAKEN AT THE SAME POINTS AS BEFORE AND SHALL SHOW NO LESS THAN 10 PARTS PER MILLION AVAILABLE CHLORINE BY WEIGHT; FAILING WHICH, ADDITIONAL DISINFECTION SHALL BE EFFECTED AS DIRECTED. CHLORINE SHALL BE ADDED TO THE NEW LINE AT THE UPPER END.
 - IF THE CHLORINE RESIDUAL DROPS BELOW 25 PARTS PER MILLION IN ANY PORTION OF THE LINE, ADDITIONAL CHLORINE SHALL BE ADDED IN THAT PORTION.
 - FLUSHING: AFTER THE 24-HOUR STERILIZATION PERIOD, THE LINE SHALL BE THOROUGHLY FLUSHED TO REMOVE ANY STRONGLY TASTY WATER. FLUSHING SHALL BE TAKEN AT VARIOUS POINTS, AS DIRECTED, TEST NOT IN EXCESS OF 1 PART PER MILLION.
 - CARE SHALL BE TAKEN TO PREVENT STRONG CHLORINE SOLUTION IN THE LINE BEING TREATED FROM FLOWING BACK INTO THE EXISTING SYSTEM.
 - DURING THE PROCESS OF CHLORINATING THE PIPE LINE, ALL VALVES AND OTHER DEVICES SHALL BE OPERATED WHILE THE PIPE LINE IS FILLED WITH THE HEAVILY CHLORINATED WATER.
- BACKFILL & COMPACTION: BACKFILL & COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF SHAFER STANDARDS.

STORM DRAIN NOTES

- ALL STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE (R.C.P.) CLASS III WITH RUBBER GASKET JOINTS OR CAST-IN-PLACE (C.I.P.), UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
 - R.C.P. SHALL BE RUBBER GASKETED CLASS III AND SHALL CONFORM TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION 2018 STANDARD SPECIFICATIONS, SECTION 65, "CONCRETE PIPE".
 - C.I.P. SHALL CONFORM TO THE SPECIFICATIONS FOR CAST IN PLACE CONCRETE PIPE (ACI 346) LATEST EDITION REPORTED BY THE AMERICAN CONCRETE INSTITUTE. C.I.P. SHALL BE POURED MONOLITHICALLY FROM MANHOLE TO MANHOLE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER IN WRITING. CONTRACTOR SHALL VERIFY TRENCHING REQUIREMENTS FOR C.I.P. WITH THE GEOTECHNICAL ENGINEER PRIOR TO CONSTRUCTION.
 - CATCH BASINS TO BE TYPE "A" PER CITY OF SHAFER STANDARD DETAIL SD-3 UNLESS OTHERWISE NOTED.
 - ALL PIPELINES AND TRENCHES SHALL BE BACKFILLED PER THE CITY OF SHAFER'S STANDARD DETAIL SW-1.
 - ALL PIPE OR CONDUITS SHALL BE OF THE SIZE, MATERIAL AND STRENGTH AS SHOWN ON THE PLANS. ALL PIPE AND FITTINGS SHALL BE MARKED OR STAMPED WITH THE TRADE BRAND NAME OF THE MANUFACTURER, AND STRENGTH OR CLASS OF PIPE. ALL PIPE SHALL BE DESIGNED TO WITHSTAND ALL INTERNAL OR EXTERNAL LOADS APPLIED. SUPPORTING STRENGTH OF CONDUITS AS INSTALLED TO SAFELY CARRY IMPOSED GRAVITY LOADS AND SUPERIMPOSED LOADS (INCLUDING A SUITABLE FACTOR OF SAFETY) SHALL BE DETERMINED BY USE OF MARSTON FORMULAS AS PER CHAPTER IX (STRUCTURAL REQUIREMENTS) ASSE MANUAL OF ENGINEERING PRACTICE NO. 37. ALL PIPE OR CONDUITS SHALL BE OF THE SAME MATERIALS BETWEEN STRUCTURES.
 - ALL MANHOLE COVERS SHALL BE A MINIMUM OF 0.5' BELOW FINISHED PAVEMENT ELEVATION UNTIL COMPLETION OF PAVING. ADJUST ALL MANHOLES TO FINISH GRADE AFTER PAVING IS COMPLETED.
 - ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT CITY OF SHAFER STANDARD SPECIFICATIONS, DETAILS AND THESE PLANS AND SPECIFICATIONS. IN ANY CONFLICT BETWEEN SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
 - THE SUBDIVIDER AND CONTRACTORS SHALL INSTALL AND MAINTAIN PROTECTION AROUND STORM DRAIN INLETS DURING CONSTRUCTION TO PREVENT INFILTRATION OF MUD AND DIRT INTO THE STORM DRAIN SYSTEM.
 - JUNCTION BOXES AND CATCH BASINS WITH FINISH GRADE TO LOWEST INVERT DIMENSIONS OF TEN (10) FEET OR GREATER SHALL BE CONSTRUCTED AS FOLLOWS:
 - BOTTOM OF STRUCTURE SHALL BE EXCAVATED TO A FLAT, EVEN, AND WELL COMPACTED GRADE WITH SUFFICIENT SPACE BELOW THE LOWEST PIPE. STRUCTURE BASE SHALL BE CAST IN PLACE CONCRETE TO A MINIMUM OF ONE (1) FOOT ABOVE THE TOP OF THE PIPE. BASE AND WALLS SHALL BE REINFORCED IN ACCORDANCE WITH CITY STANDARD DETAILS. CONCRETE MATERIALS, REINFORCING, AND WATER STOPS SHALL ALL MEET OR EXCEED CITY STANDARDS.
 - AFTER BASE IS POURED, A PRECAST VERTICAL SECTION OF JUNCTION BOX OR CATCH BASIN RECTANGULAR SHAFTING SHALL BE WET SET INTO THE BASE. SUBMITTALS ON PRECAST SHAFTING SHALL BE PROVIDED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO USE. MATERIALS AND REINFORCEMENT SHALL MEET OR EXCEED CITY STANDARDS. PRECAST SHAFTING SECTIONS SHALL BE KEPT TO ONE ANOTHER.
 - JUNCTION BOXES: PRECAST CONCRETE RECTANGULAR SHAFTING FOR JUNCTION BOXES SHALL BE INSTALLED FROM THE BASE TO JUST BELOW THE PROPOSED FINISHED GRADE SURFACE. JOINTS SHALL BE SEALED WITH MASTIC. A PRECAST CONCRETE FLAT TOP LID SHALL BE INSTALLED SO THAT THE TOP OF THE LID TO FINISH GRADE DOES NOT EXCEED TWO (2) FEET. PRECAST CONCRETE LID SHALL BE DESIGNED TO MEET H20 LOADINGS. SUBMITTALS ON PRECAST LIDS SHALL BE PROVIDED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO USE. MATERIALS AND REINFORCEMENT SHALL MEET OR EXCEED CITY STANDARDS. PRECAST LID SHALL BE KEPT TO ONE ANOTHER. CATCH BASIN TOPS SHALL BE CONSTRUCTED TO CITY STANDARD AND TO ALLOW FOR STORM DRAIN PIPE TO GO THROUGH THE SHAFTING WALL. PIPE THROUGH WALL CONNECTIONS SHALL HAVE WATER STOPS INSTALLED AND BE SECURED WITH GROUT. ALL JOINTS SHALL BE GROUTED PRIOR TO ACCEPTANCE.
 - CATCH BASINS: PRECAST CONCRETE RECTANGULAR SHAFTING FOR CATCH BASINS SHALL BE INSTALLED FROM THE BASE TO WITHIN TWO (2) TO FOUR (4) FEET BELOW THE PROPOSED CATCH BASIN FLOW LINE. MINIMUM INTERIOR DIMENSION FOR PRECAST CATCH BASIN SHAFTING SHALL BE FOUR (4) FEET. TOP PRECAST SHAFT SHALL HAVE A MINIMUM OF 36 INCHES OF REINFORCEMENT STUBBED OUT OF THE TOP. ALL CATCH BASINS TOPS, WINGS, AND OPENINGS SHALL BE CAST IN PLACE. PRECAST CATCH BASIN TOPS SHALL NOT BE PERMITTED. CATCH BASIN TOPS SHALL BE CONSTRUCTED TO CITY STANDARD AND SHALL INCLUDE STANDARD TIES AND REBAR SPICES TO THE REINFORCEMENT STUBBED OUT OF THE TOP PRECAST CATCH BASIN SHAFT. ALL JOINTS SHALL BE GROUTED PRIOR TO ACCEPTANCE.
 - CONTRACTOR SHALL SUBMIT FINAL JUNCTION BOX DESIGN AT LEAST ONE WEEK PRIOR TO CONSTRUCTION TO BE APPROVED BY THE CITY ENGINEER.
 - CONTRACTOR SHALL NOT PLACE ANY KNOCKOUTS FOR STORM DRAIN PIPE WITHIN THE ECCENTRIC CONE OF THE MANHOLE. A. MATERIALS:
 - GRAVITY SEWER PIPE AND FITTINGS SHALL BE SDR-35 AND SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION D-3034. SEWER PIPE 18" AND LARGER SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION F-679 FOR PS-46 REQUIREMENTS SDR-35.
 - FORCE MAIN PIPE SHALL BE C900 DR18 OUTSIDE OF BORE CASING. FORCE MAIN PIPE SHALL BE RESTRAINED JOINT C900/RJ DR18 INSIDE OF BORE CASING. ALL FORCE MAIN PIPE SHALL BE GREEN IN COLOR (OR CITY APPROVED EQUIVALENT) AND SHALL MEET THE REQUIREMENTS OF ASTM D3139.
 - ALL FORCE MAIN FITTINGS SHALL BE DUCTILE IRON FITTINGS COMPATIBLE FOR USE WITH C900 PVC PIPE. DUCTILE IRON FITTINGS SHALL BE WRAPPED IN POLYETHYLENE FIBER AWWA C-105
 - JOINTS:
 - FOR PIPE OUTSIDE OF BORE CASING USE ONLY ELASTOMERIC GASKET JOINTS.
 - FOR PIPE INSIDE OF BORE CASING UP TO THE FIRST FITTING OUTSIDE OF THE BORE CASING, USE ONLY NON-METALLIC COUPLINGS WITH ELASTOMERIC O-RINGS AND THERMOPLASTIC SPLINES OR OTHER APPROVED RESTRAINED JOINT METHOD.
 - THE ASSEMBLY OF JOINTS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION AND APPLICABLE ASTM SPECIFICATIONS.
 - WHERE PVC PIPE CONNECTS TO VCP, DI, OR OTHER EXISTING SEWER LINE MATERIALS, USE COUPLINGS APPROVED BY THE CITY OF SHAFER.
 - INSTALLATION: PIPE AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321. ONLY CLASS I, II, AND III EMBEDMENT MATERIALS WILL BE CONSIDERED SUITABLE.
- EXCAVATION SHALL BE SUPPORTED IN CONFORMANCE WITH THE RULES, ORDERS AND REGULATIONS OF THE CAL/OSHA INDUSTRIAL ACCIDENT COMMISSION AND THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA. SHEET PILING AND OTHER TIMBERS SHALL BE DRAWN IN A MANNER THAT WILL PREVENT CAVING OF THE WALLS OF THE EXCAVATION OR OTHER LOAD ON THE PIPE OR CONDUIT.
- ALL MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF SHAFER STANDARD DETAILS AND SECTION 70-1.02H AND 71-1.07 OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- ALL RODDING AND FLUSHING CLEANOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF SHAFER STANDARD DRAWING SW-7 AND SW-8.
- ALL SEWER STUBS SHALL BE CLOSED WITH A STANDARD PLASTIC PLUG, SOLVENT WELD.
- THE SYSTEM SHALL BE INSPECTED AFTER FINAL PAVING IS COMPLETED AND ANY DAMAGE TO THE SYSTEM DURING FINAL PAVING AND CLEANUP WILL BE CORRECTED BEFORE APPROVAL, AT THE SOLE EXPENSE OF THE CONTRACTOR.
- CLEANING:
 - PRIOR TO THE ACCEPTANCE OF ANY SEWER LINE BY THE CITY OF SHAFER, CONTRACTOR SHALL CLEAN ALL LINES WITH A WAYNE-TYPE SEWER CLEANING BALL UNDER HYDROSTATIC PRESSURE.
 - ANY STOPPAGE, DIRT, OR FOREIGN MATTER SHALL BE REMOVED FROM THE LINES.
 - ALL CLEANING AND TESTING OF SEWER LINES SHALL TAKE PLACE AFTER ALL CONSTRUCTION WORK IS COMPLETED, UP TO BUT NOT INCLUDING THE FINAL PAVING.
- TESTING – MANDEREL TEST OF PVC PIPE:
 - FOLLOWING THE PLACEMENT AND DENSIFICATION OF BACKFILL AND PRIOR TO THE PLACING OF PERMANENT PAVEMENT, ALL MAIN LINE PIPE SHALL BE CLEANED AND THEN MANDERELLED TO MEASURE FOR OBSTRUCTIONS (DEFLECTIONS, JOINT OFFSETS, AND LATERAL PIPE INTRUSIONS).
 - A RIGID MANDEREL WITH A CIRCULAR CROSS SECTION, CERTIFIED AS HAVING A DIAMETER CONFORMING TO CITY SPECIFICATIONS, SHALL BE PULLED THROUGH THE PIPE BY HAND. THE MINIMUM LENGTH OF THE MANDEREL PORTION OF THE MANDEREL SHALL BE EQUAL TO THE NOMINAL DIAMETER OF THE PIPE. THE MANDEREL SHALL HAVE ODD NUMBER OF RIBS, NUMBERING NO LESS THAN 9, SPACED EVENLY AROUND THE MANDEREL.
 - PIPE NOT PASSING MANDEREL TEST SHALL BE REMOVED & REPLACED, TRENCH BACKFILLED AND PIPE SHALL BE RE-TESTED.
- TESTING – PRESSURE TEST, GRAVITY SEWER PIPE:
 - PRIOR TO FINAL APPROVAL ALL GRAVITY SEWER LINES SHALL BE TESTED FOR LEAKAGE BY STANDARD HYDROSTATIC OR LOW PRESSURE AIR TEST.
 - TESTING OF THE SEWER LINE SHALL BE CONDUCTED FROM MANHOLE TO MANHOLE IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN UNI-BELL PVC PIPE ASSOCIATION'S PUBLICATION ENTITLED "UNI-B-6 RECOMMENDED PRACTICE FOR LOW-PRESSURE AIR TESTING OF INSTALLED SEWER PIPE" AND THE CITY STANDARDS.
 - IF PIPE DOES NOT MEET PRESSURE TEST, PIPE SHALL BE UNCOVERED AND THE DEFECTIVE JOINT OR PIPE REPLACED. SECTION OF PIPE SHALL BE RE-TESTED UNTIL PRESSURE TEST IS PASSED.
- TESTING – VIDEO INSPECTION OF PVC PIPE:
 - PRIOR TO FINAL ACCEPTANCE OF THE SEWER SYSTEM, ALL LINES SHALL BE INSPECTED WITH VIDEO EQUIPMENT DESIGNED FOR THIS PURPOSE AND APPROVED BY THE CITY ENGINEER. THE TELEVISION CAMERA SHALL HAVE THE CAPABILITY OF ROTATING 360 DEGREES, IN ORDER TO VIEW AND RECORD THE TOP AND SIDES OF THE PIPE AS REQUIRED. THE VIDEO INSPECTION SHALL BE WITNESSED BY THE CITY CONSTRUCTION INSPECTOR, WHO WILL ALSO INITIAL AND DATE THE "CHAIN OF CUSTODY" FORM. THE VIDEO INSPECTION SHALL BE CONDUCTED IMMEDIATELY AFTER THE LOCATION OF ANY PIPE LOCATIONS REVEALED TO BE NOT IN COMPLIANCE WITH THE CITY SPECIFICATIONS. A RECORDED VIDEO CASSETTE, COMPLETED "CHAIN OF CUSTODY" FORM AND A WRITTEN LOG (WHICH INCLUDES STATIONING , BASED ON THE STANDING APPROVED PLANS OF ALL CONNECTED LATERALS) OF THE INSPECTION SHALL BE PROVIDED FOR VIEWING AND SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO ACCEPTANCE. AFTER ACCEPTANCE OF THE SYSTEM, THE VIDEO CASSETTE, FORMS AND LOGS SHALL BECOME THE PROPERTY OF THE CITY.
- MANHOLE COVERS AND VALVE BOXES SHALL BE A MINIMUM OF 6" BELOW FINISHED PAVING ELEVATION UNTIL COMPLETION OF PAVING. ADJUST ALL MANHOLE COVERS AND VALVE BOXES TO FINISH GRADE AFTER PAVING IS COMPLETE.

LEGEND

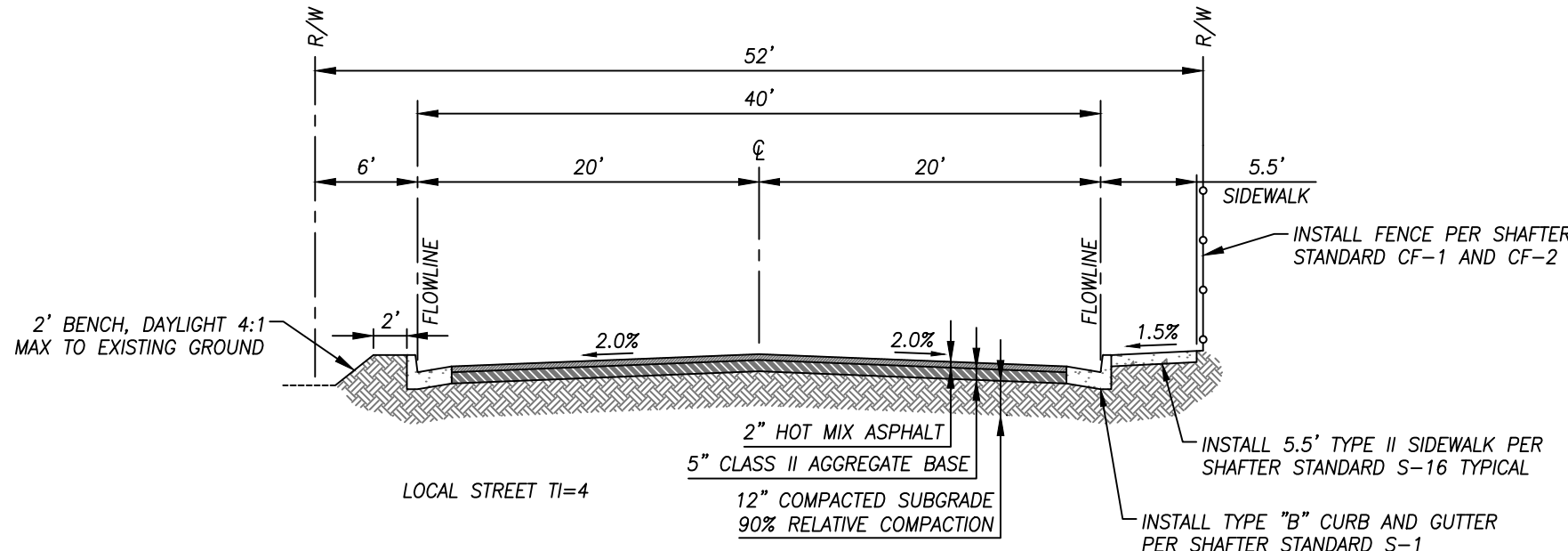
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BOL	BOLLARD
-----	BLOCK WALL
CL	CENTERLINE
C	CONCRETE
CR	CROWN OF ROAD
CTL	CONTROL
DWY	DRIVEWAY
ELEC	ELECTRIC
EP	EDGE OF PAVEMENT
EC	END CURVE
ECR	END CURB RETURN
FH	FIRE HYDRANT
FNCLD	FENCE CHAIN LINK
FNCFD	FENCE WOOD
FNCFWR	FENCE WROUGHT IRON
FL	FLOWLINE
-(2" 0)-	GAS LINE (EXISTING)
	GATE SINGLE
	GATE DOUBLE
GB	GRADE BREAK
	GRAVEL ROAD
GUY	GUY WIRE
LIP	LIP OF CURB AND GUTTER
MBS	MAIL BOX SINGLE
+	MAIL BOX MULTIPLE
ME	MATCH EXISTING
MON	MONUMENT
OG	ORIGINAL GROUND
OE	OVERHEAD

STREET CONSTRUCTION NOTES:

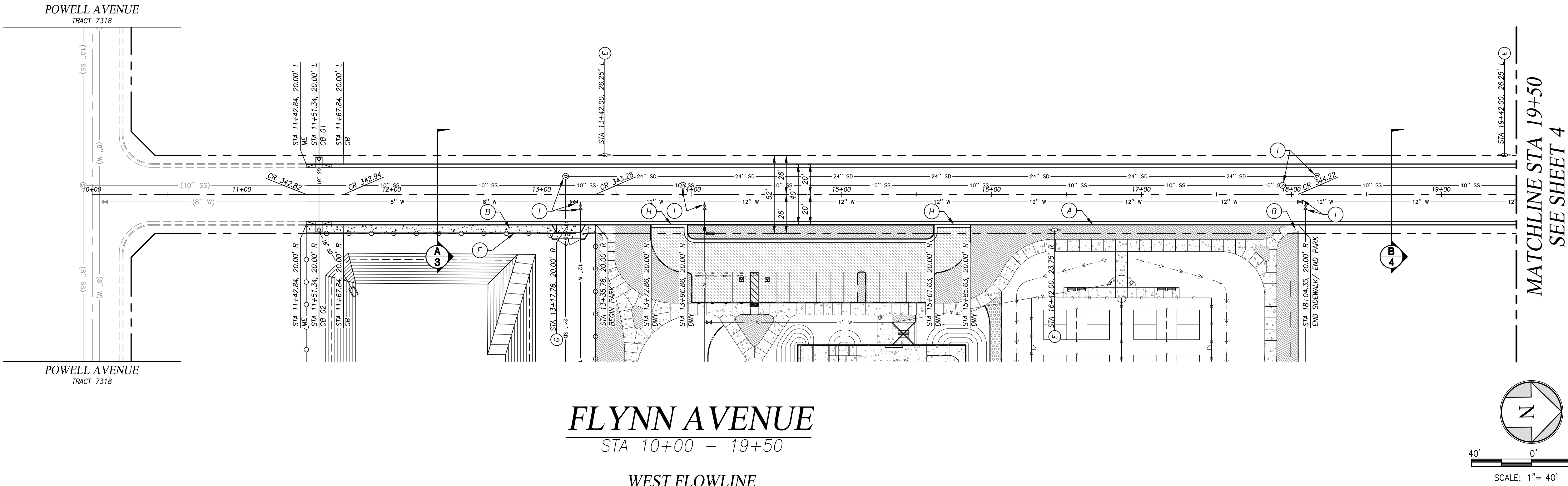
- (A) CONSTRUCT TYPE "B" CURB AND GUTTER PER CITY OF SHAFTER STD S-1.
(B) CONSTRUCT SIDEWALK PER CITY OF SHAFTER STD S-16
(C) INSTALL STREET NAME SIGN PER CITY OF SHAFTER STD S-65
(D) CONSTRUCT SURVEY MONUMENT CITY OF SHAFTER STD S-21
(E) INSTALL STREET LIGHT PER CITY OF SHAFTER STD S-20
(F) INSTALL CHAIN LINK FENCE PER CITY OF SHAFTER STD CF-1 AND CF-2
(G) INSTALL 16' COMMERCIAL DRIVEWAY PER CITY OF SHAFTER STD S-13A
(H) INSTALL 4' CROSS GUTTER PER MODIFIED CITY OF SHAFTER STD S-5, SHEET 13
(I) ADJUST FRAME AND COVER TO GRADE PER PER CITY OF SHAFTER STD S-8



Know what's below.
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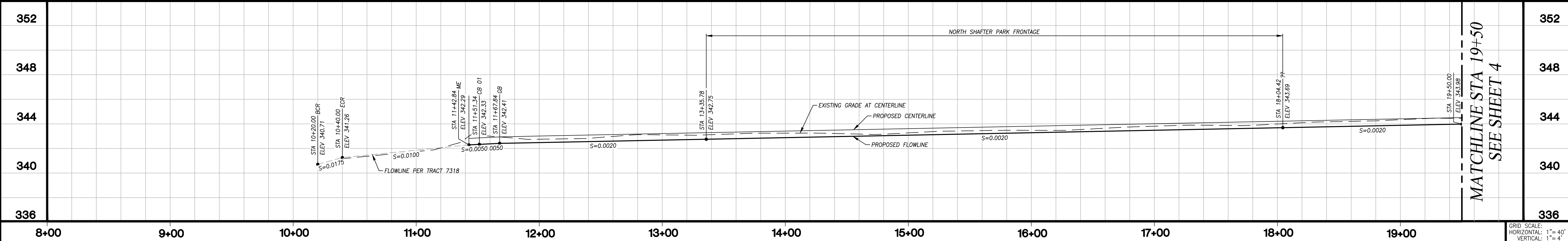
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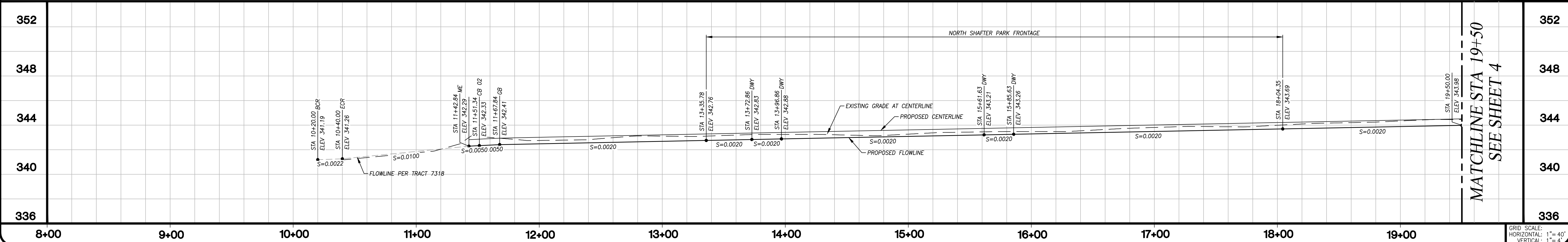
FLYNN AVENUE

STA 10+00 - 19+50

WEST FLOWLINE

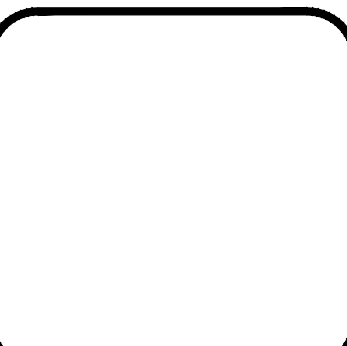


EAST FLOWLINE



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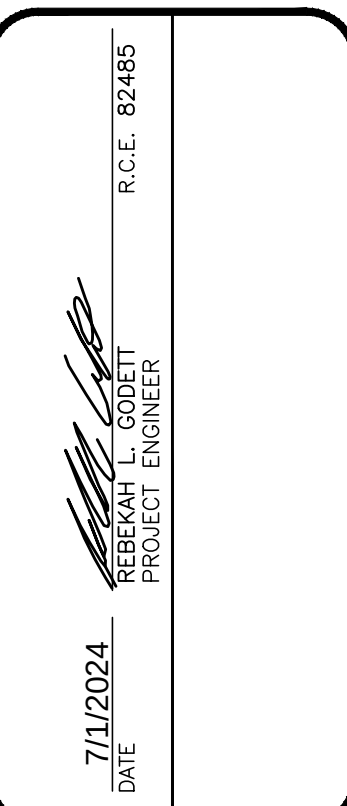
REVISIONS	DATE	BY	DESCRIPTION



7/1/2024
DATE

REBEKAH L. GOFF
PROJECT ENGINEER

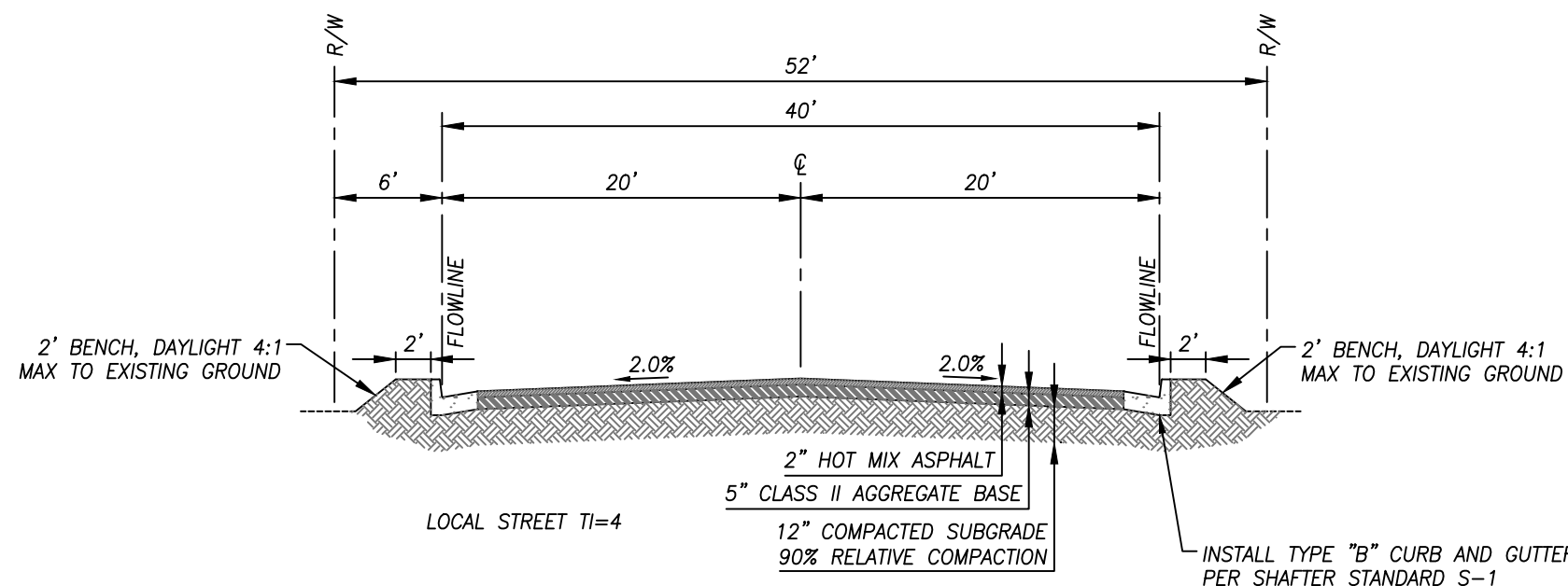
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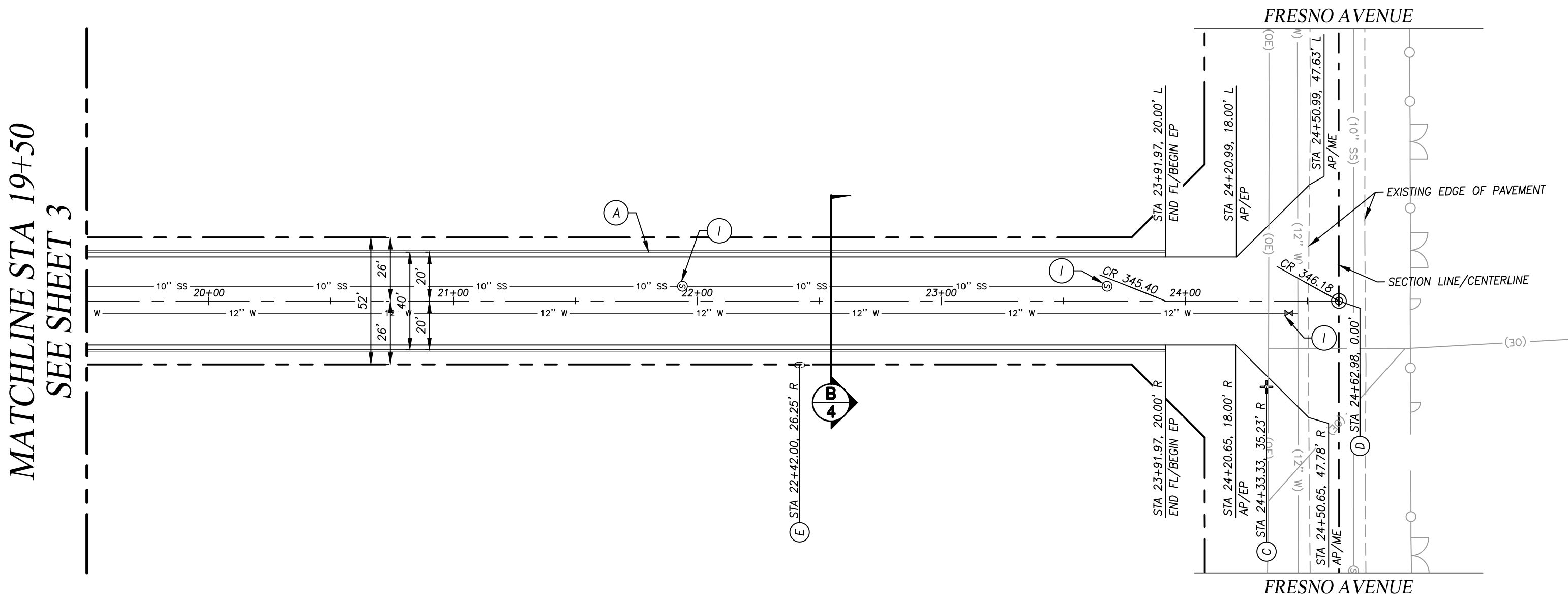
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DRAWN BY: DF
QA/QC BY: JD
SCALE: AS SHOWN
SHEET NO.: 3 OF 14

STREET CONSTRUCTION NOTES:

- (A) CONSTRUCT TYPE "B" CURB AND GUTTER PER CITY OF SHAFTER STD S-1.
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(G) INSTALL 16' COMMERCIAL DRIVEWAY PER CITY OF SHAFTER STD S-13A
(H) INSTALL 4' CROSS GUTTER PER MODIFIED CITY OF SHAFTER STD S-5, SHEET 13
(I) ADJUST FRAME AND COVER TO GRADE PER PER CITY OF SHAFTER STD S-8



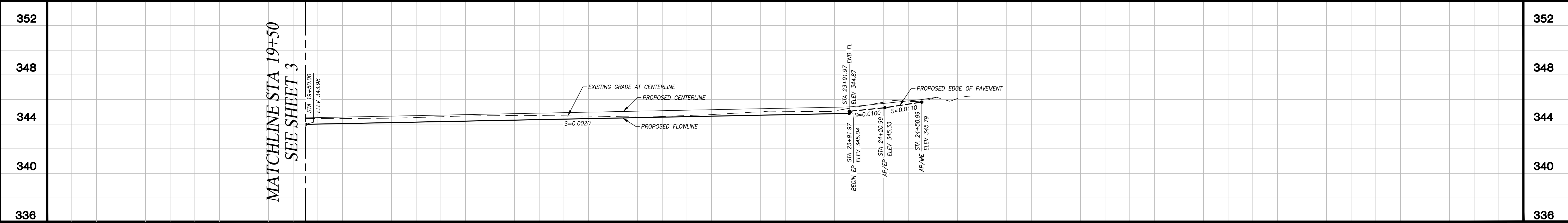
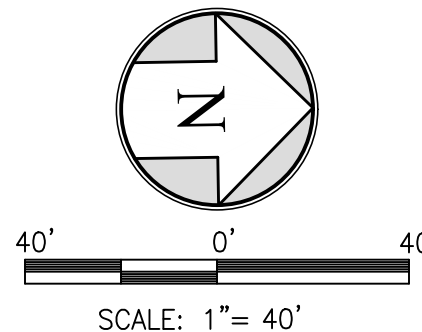
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Call before you dig.



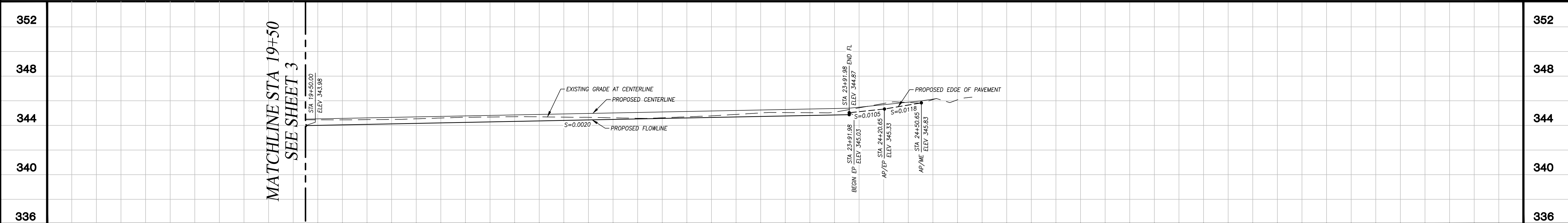
FLYNN AVENUE

STA 19+50 - 24+07

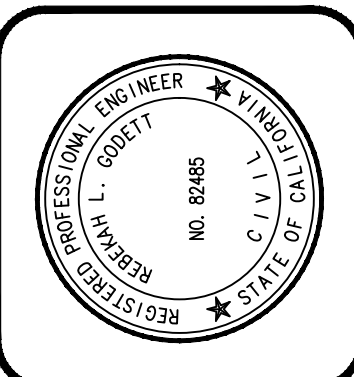
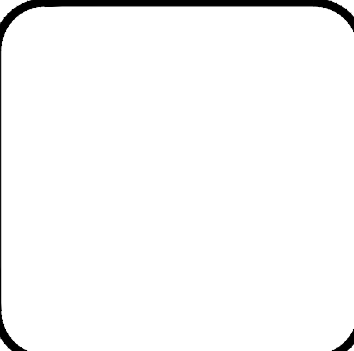
WEST FLOWLINE



EAST FLOWLINE



REVISIONS		DATE	BY	DESCRIPTION



7/1/2024
DATE

ROBERT L. COFFEY
PROJECT ENGINEER

R.C.E. 82485

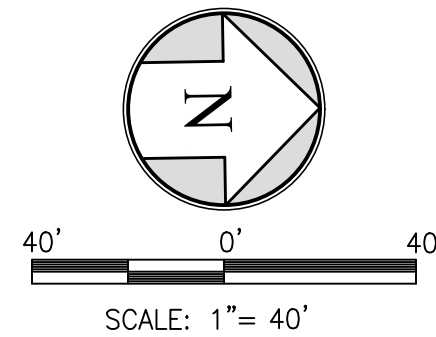


CITY OF SHAFTER
335 PACIFIC AVENUE
SHAFTER, CA 93283
(661) 746-5004

PROJECT NO.: 230037
DRAWN BY:
DF
QA/QC BY:
JD
SCALE:
AS SHOWN
SHEET NO.: 4 OF 14

- (A) INSTALL 4" COMMERCIAL WATER SERVICE WITH 3" METER PER DETAIL 1 SHEET 14
- (B) INSTALL THRUST BLOCK PER CITY OF SHAFTER STD W-2
- (C) INSTALL VALVE AND VALVE BOX PER CITY OF SHAFTER STD W-3
- (D) REMOVE BLOW-OFF AND CONNECT TO EXISTING WATER LINE. PATCH PAVEMENT AS REQUIRED PER SHAFTER STD S-3
- (E) INSTALL UTILITY PIPELINE, BACKFILL AND COMPACTION PER CITY OF SHAFTER STD SW-1
- (F) INSTALL PRECAST CONCRETE MANHOLE, FRAME & COVER PER CITY OF SHAFTER STD SW-4 & SW-6
- (G) REMOVE SEWER CLEANOUT FROM SERVICE AND CONNECT TO EXISTING SEWER PIPE. PATCH PAVEMENT AS REQUIRED PER SHAFTER STD S-3
- (H) INSTALL PRECAST CONCRETE STORM MANHOLE, FRAME & COVER PER CITY OF SHAFTER STD SW-4 & SW-2
- (J) INSTALL TYPE "A" CATCH BASIN & GUTTER DEPRESSION PER CITY OF SHAFTER STD SD-3 & SD-6. LENGTH = CATCH BASIN 1" ON STD SD-3
- (K) INSTALL STORM DRAIN OUTLET PER CITY OF SHAFTER STD D-2
- (X) INSTALL TAPPING TEE AND VALVE.
- (L) IRRIGATION BACK FLOW DEVICE PER PARK IRRIGATION PLANS

1. CONTRACTOR SHALL FIELD VERIFY EXISTING INVERTS AT ALL TIE IN LOCATIONS
2. ALL STATIONING BASIS IS AS FOLLOWS
 - 2.1. FLYNN AVENUE STATIONING BASED ON STREET CENTERLINE
 - 2.2. NORTH UTILITY STATIONING BASED ON WATER MAIN CENTERLINE
 - 2.3. NORTH UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
 - 2.4. EAST UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
 - 2.5. RETENTION BASIN OUTLET 1 STATIONING BASED ON STORM DRAIN CENTERLINE
 - 2.6. RETENTION BASIN OUTLET 2 STATIONING BASED ON STORM DRAIN CENTERLINE



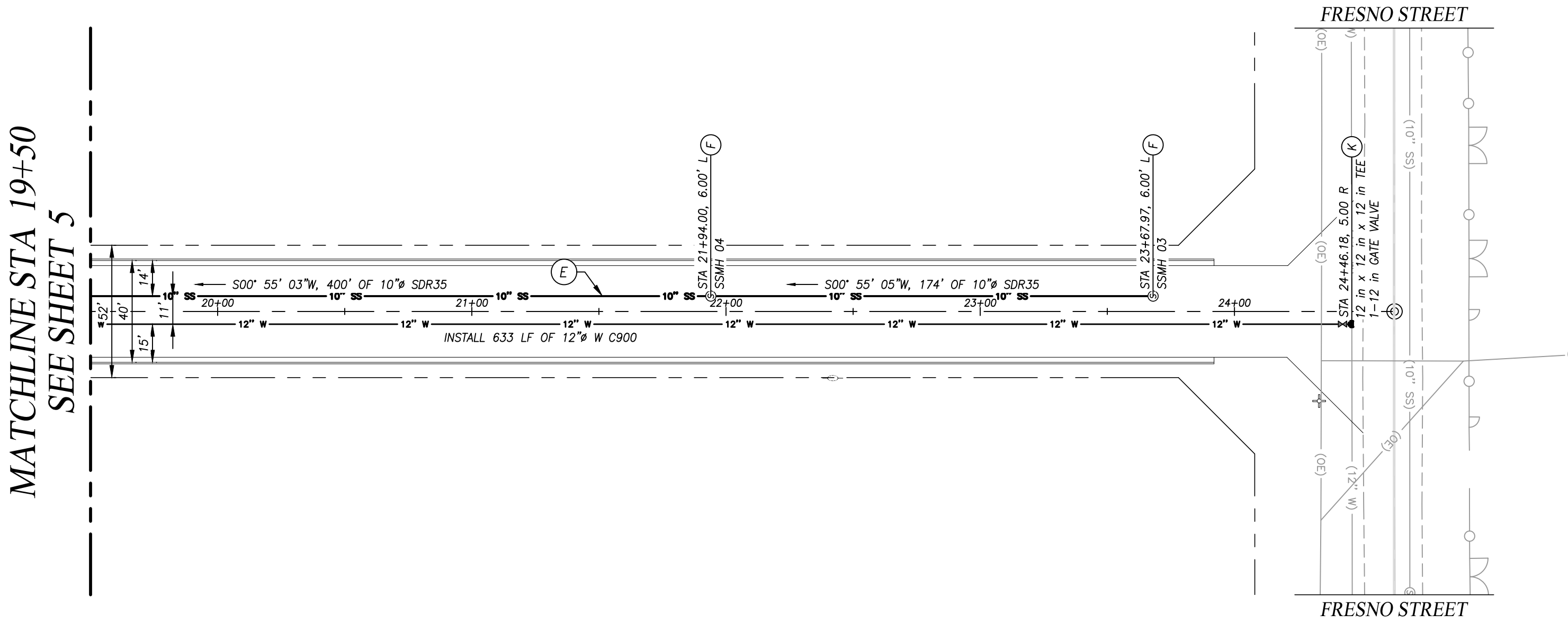
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DRAWN BY: DF
QA/QC BY: JD
SCALE: AS SHOWN
SHEET NO.: 5 OF 14

UTILITY CONSTRUCTION NOTES:

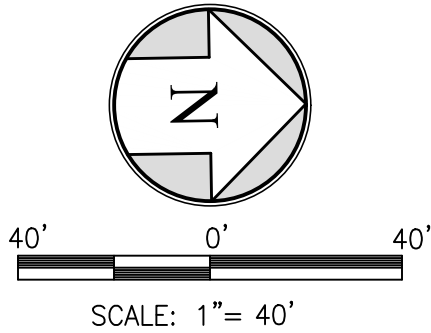
- (A) INSTALL 4" COMMERCIAL WATER SERVICE WITH 3" METER PER DETAIL 1 SHEET 14
- (B) INSTALL THRUST BLOCK PER CITY OF SHAFTER STD W-2
- (C) INSTALL VALVE AND VALVE BOX PER CITY OF SHAFTER STD W-3
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- (I) INSTALL TYPE "A" CATCH BASIN & GUTTER DEPRESSION PER CITY OF SHAFTER STD S-3 & SD-6. LENGTH = CATCH BASIN "L" ON STD SD-3
- (J) INSTALL STORM DRAIN OUTLET PER CITY OF SHAFTER STD D-2
- (K) INSTALL TAPPING TEE AND VALVE.
- (L) IRRIGATION BACK FLOW DEVICE PER PARK IRRIGATION PLANS

UTILITY GENERAL NOTES:

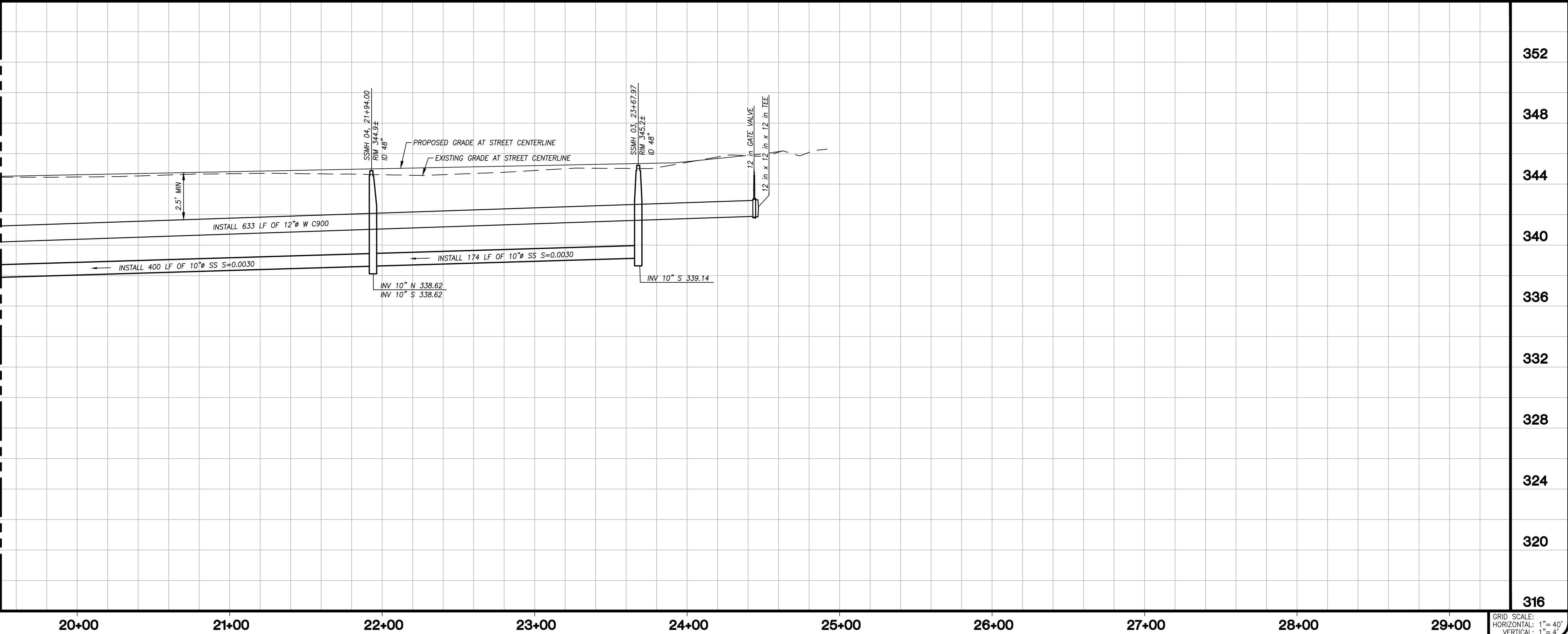
1. CONTRACTOR SHALL FIELD VERIFY EXISTING INVERTS AT ALL TIE IN LOCATIONS
2. ALL STATIONING BASIS IS AS FOLLOWS
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- 2.3. SOUTH UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
- 2.4. EAST UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
- 2.3. RETENTION BASIN OUTLET 1 STATIONING BASED ON STORM DRAIN CENTERLINE
- 2.4. RETENTION BASIN OUTLET 2 STATIONING BASED ON STORM DRAIN CENTERLINE



FLYNN AVENUE
STA 19+50 - 24+44

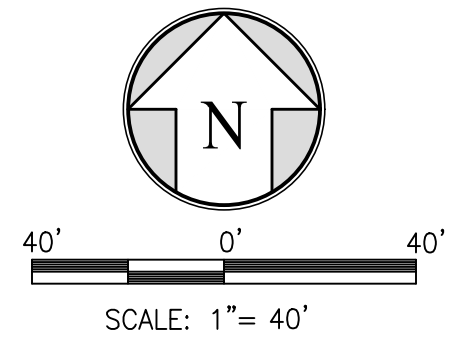
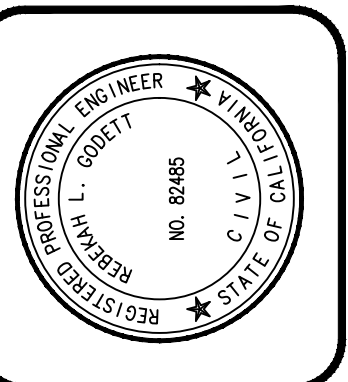


MATCHLINE STA 19+50
SEE SHEET 5



- (A) INSTALL 4" COMMERCIAL WATER SERVICE WITH 3" METER PER DETAIL 1 SHEET 14
- (B) INSTALL THRUST BLOCK PER CITY OF SHAFER STD W-2
- (C) INSTALL WATER AND VALVE BOX PER CITY OF SHAFER STD W-3
- (D) REMOVE BLOW-OFF AND CONNECT TO EXISTING WATER LINE. PATCH PAVEMENT AS REQUIRED PER SHAFER STD S-3
- (E) INSTALL UTILITY PIPELINE, BACKFILL AND COMPACTION PER CITY OF SHAFER STD SW-1
- (F) INSTALL PRECAST CONCRETE MANHOLE, FRAME & COVER PER CITY OF SHAFER STD SW-4 & SW-6
- (G) REMOVE SEWER CLEANOUT FROM SERVICE AND CONNECT TO EXISTING SEWER PIPE. PATCH PAVEMENT AS REQUIRED PER SHAFER STD S-3
- (H) INSTALL PRECAST CONCRETE STORM MANHOLE, FRAME & COVER PER CITY OF SHAFER STD SW-4 & SW-2
- (I) INSTALL TYPE "J" CATCH BASIN & GUTTER DEPRESSION PER CITY OF SHAFER STDS SD-3 & SD-6. LENGTH = CATCH BASIN 1" ON STD SD-3
- (J) INSTALL STORM DRAIN OUTLET PER CITY OF SHAFER STD D-2
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 - 2.3. WEST UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
 - 2.4. EAST UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
 - 2.5. RETENTION BASIN OUTLET 1 STATIONING BASED ON STORM DRAIN CENTERLINE
 - 2.6. RETENTION BASIN OUTLET 2 STATIONING BASED ON STORM DRAIN CENTERLINE

[illegible]

7/11/2024
DATE


REBEKAH L. GODETT
PROJECT ENGINEER

R.C.E. 82485



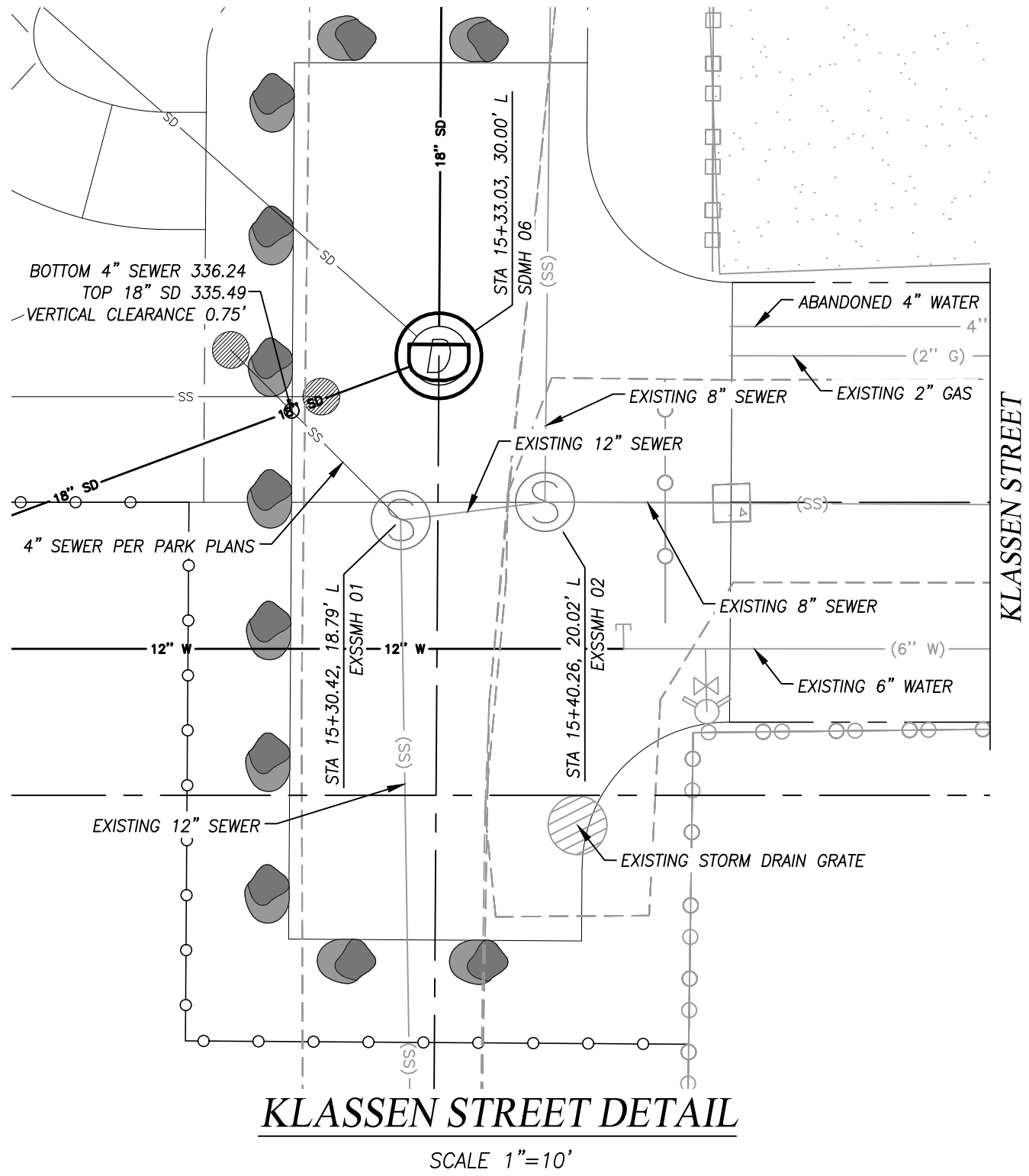
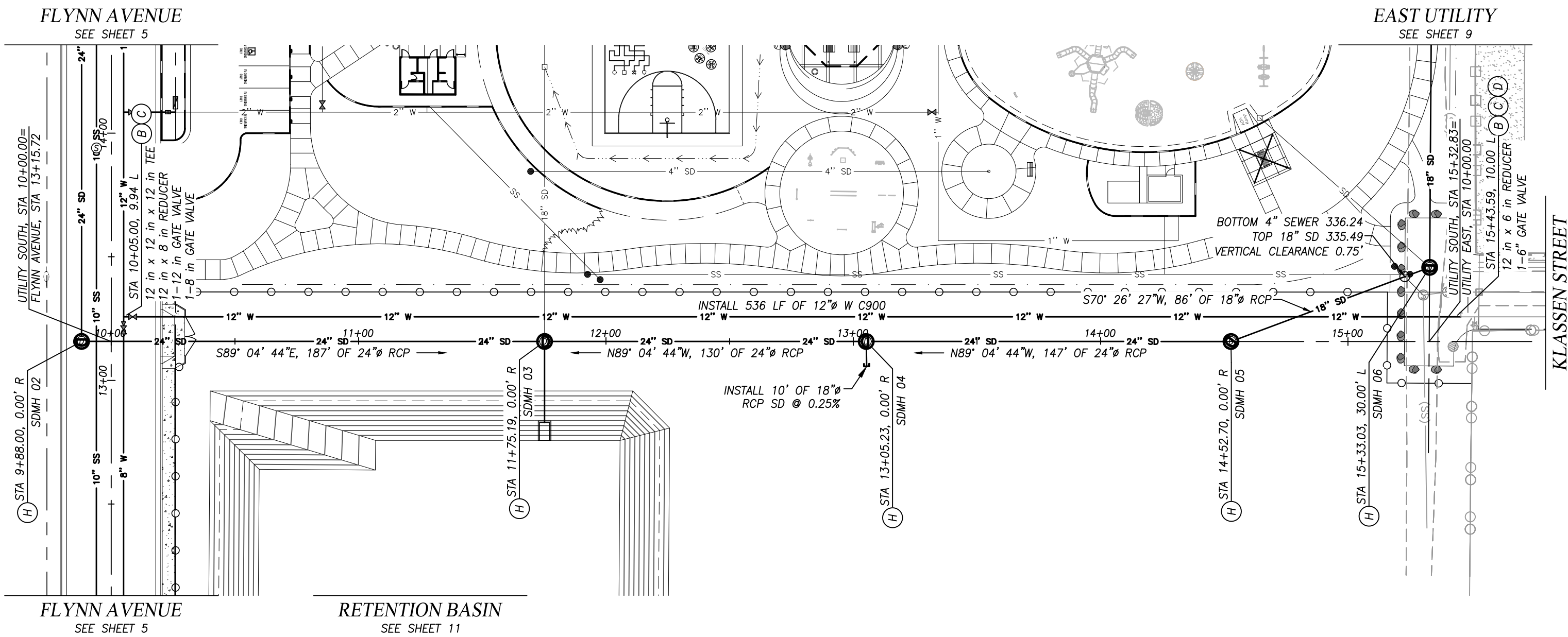
CITY OF SHAFTER 336 PACIFIC AVENUE SHAFTER, CA 93263 (805) 740-5004		FLYNN AVENUE IMPROVEMENTS UTILITY NORTH STA 10+00 - 15+56	
PROJECT NO.: 230037 DRAWN BY: OF QA/QC BY: ID AS SHOWN		SCALE: SHEET NO.: 7 OF 14	

UTILITY CONSTRUCTION NOTES:

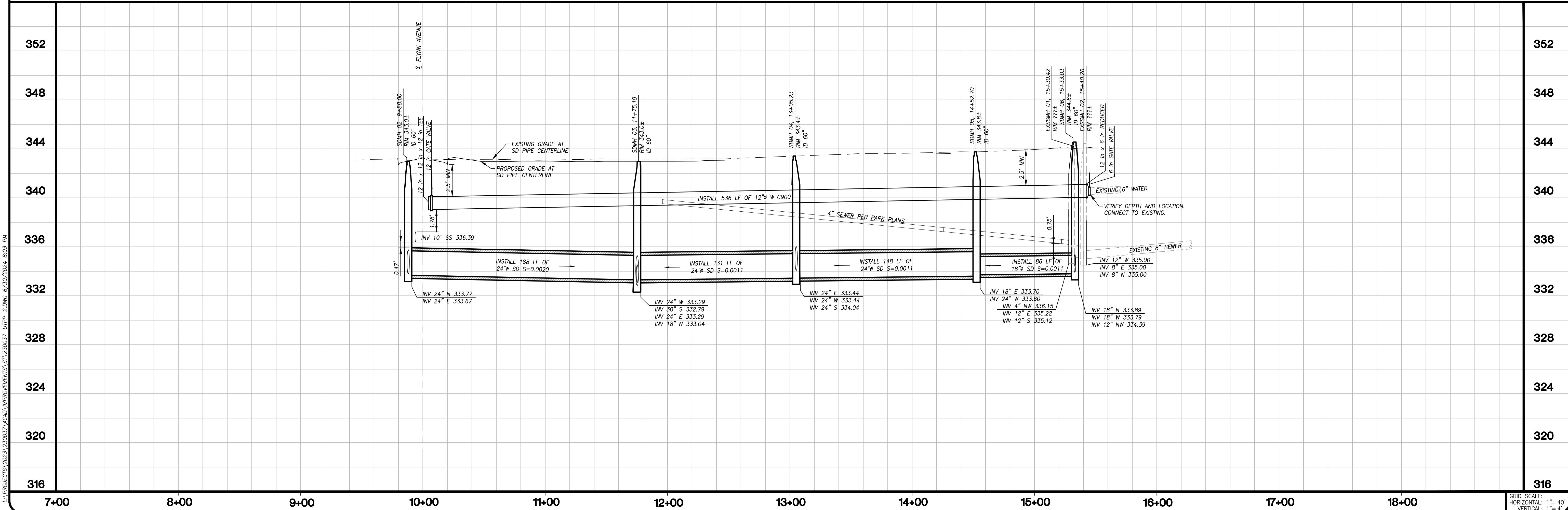
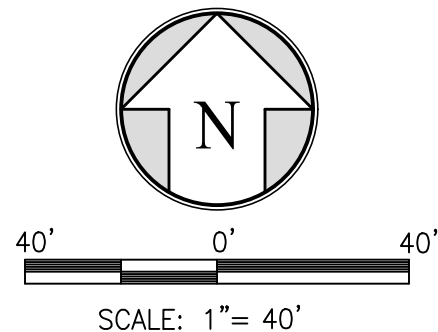
- (A) INSTALL 4" COMMERCIAL WATER SERVICE WITH 3" METER PER DETAIL 1 SHEET 14
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- (C) INSTALL VALVE AND VALVE BOX PER CITY OF SHAFTER STD W-3
- (D) REMOVE BLOW-OFF AND CONNECT TO EXISTING WATER LINE. PATCH PAVEMENT AS REQUIRED PER SHAFTER STD S-3
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- (L) IRRIGATION BACK FLOW DEVICE PER PARK IRRIGATION PLANS

UTILITY GENERAL NOTES:

1. CONTRACTOR SHALL FIELD VERIFY EXISTING INVERTS AT ALL TIE IN LOCATIONS
2. ALL STATIONING BASIS IS AS FOLLOWS
- 2.1. FLYNN AVENUE STATIONING BASED ON STREET CENTERLINE
- 2.2. NORTH UTILITY STATIONING BASED ON WATER MAIN CENTERLINE
- 2.3. SOUTH UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
- 2.4. EAST UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
- 2.3. RETENTION BASIN OUTLET 1 STATIONING BASED ON STORM DRAIN CENTERLINE
- 2.4. RETENTION BASIN OUTLET 2 STATIONING BASED ON STORM DRAIN CENTERLINE

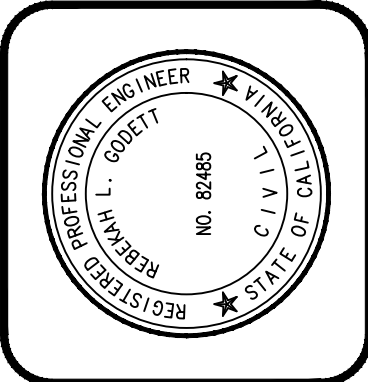
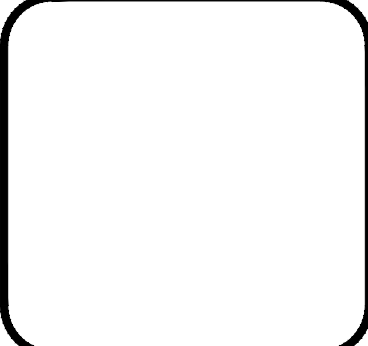


UTILITY SOUTH
STA 10+00 - 15+32



GRID SCALE:
HORIZONTAL: 1"= 40'
VERTICAL: 1"= 4'

REVISIONS		DATE	BY	DESCRIPTION



7/1/2024
DATE

7/1/2024
DATE

R.C.E. 81485
R.C.E. 81485

PROJECT ENGINEER
PROJECT ENGINEER



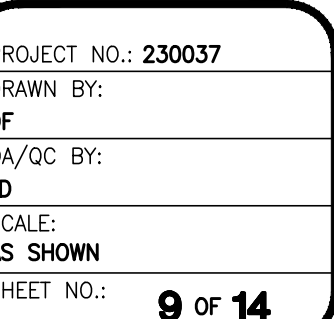
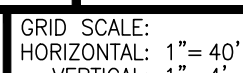
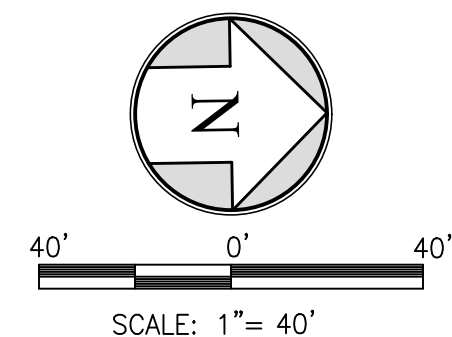
CITY OF SHAFTER
335 PACIFIC AVENUE
SHAFTER, CA 93283
(661) 746-5004

FLYNN AVENUE IMPROVEMENTS
UTILITY SOUTH
STA 10+00 - 15+32

PROJECT NO.: 230037
DRAWN BY:
DF
QA/QC BY:
JD
SCALE:
AS SHOWN
SHEET NO.: 8 OF 14

- (A) INSTALL 4" COMMERCIAL WATER SERVICE WITH 3" METER PER DETAIL 1 SHEET 14
- (B) INSTALL THRUST BLOCK PER CITY OF SHAFER STD W-2
- (C) INSTALL WATER AND VALVE BOX PER CITY OF SHAFER STD W-3
- (D) REMOVE BLOW-OFF AND CONNECT TO EXISTING WATER LINE. PATCH PAVEMENT AS REQUIRED PER SHAFER STD S-3
- (E) INSTALL UTILITY PIPELINE, BACKFILL AND COMPACTION PER CITY OF SHAFER STD SW-1
- (F) INSTALL PRECAST CONCRETE MANHOLE, FRAME & COVER PER CITY OF SHAFER STD SW-4 & SW-6
- (G) REMOVE SEWER CLEANOUT FROM SERVICE AND CONNECT TO EXISTING SEWER PIPE. PATCH PAVEMENT AS REQUIRED PER SHAFER STD S-3
- (H) INSTALL PRECAST CONCRETE STORM MANHOLE, FRAME & COVER PER CITY OF SHAFER STD SW-4 & SW-2
- (I) INSTALL TYPE "J" CATCH BASIN & GUTTER DEPRESSION PER CITY OF SHAFER STDS SD-3 & SD-6. LENGTH = CATCH BASIN 1" ON STD SD-3
- (J) INSTALL STORM DRAIN OUTLET PER CITY OF SHAFER STD D-2
- (K) INSTALL TAPPING TEE AND VALVE.
- (L) IRRIGATION BACK FLOW DEVICE PER PARK IRRIGATION PLANS

1. CONTRACTOR SHALL FIELD VERIFY EXISTING INVERTS AT ALL TIE IN LOCATIONS
2. ALL STATIONING BASIS IS AS FOLLOWS
 - 2.1. FLYNN AVENUE STATIONING BASED ON STREET CENTERLINE
 - 2.2. NORTH UTILITY STATIONING BASED ON WATER MAIN CENTERLINE
 - 2.3. SOUTH UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
 - 2.4. EAST UTILITY STATIONING BASED ON STORM DRAIN CENTERLINE
 - 2.5. RETENTION BASIN OUTLET 1 STATIONING BASED ON STORM DRAIN CENTERLINE
 - 2.6. RETENTION BASIN OUTLET 2 STATIONING BASED ON STORM DRAIN CENTERLINE

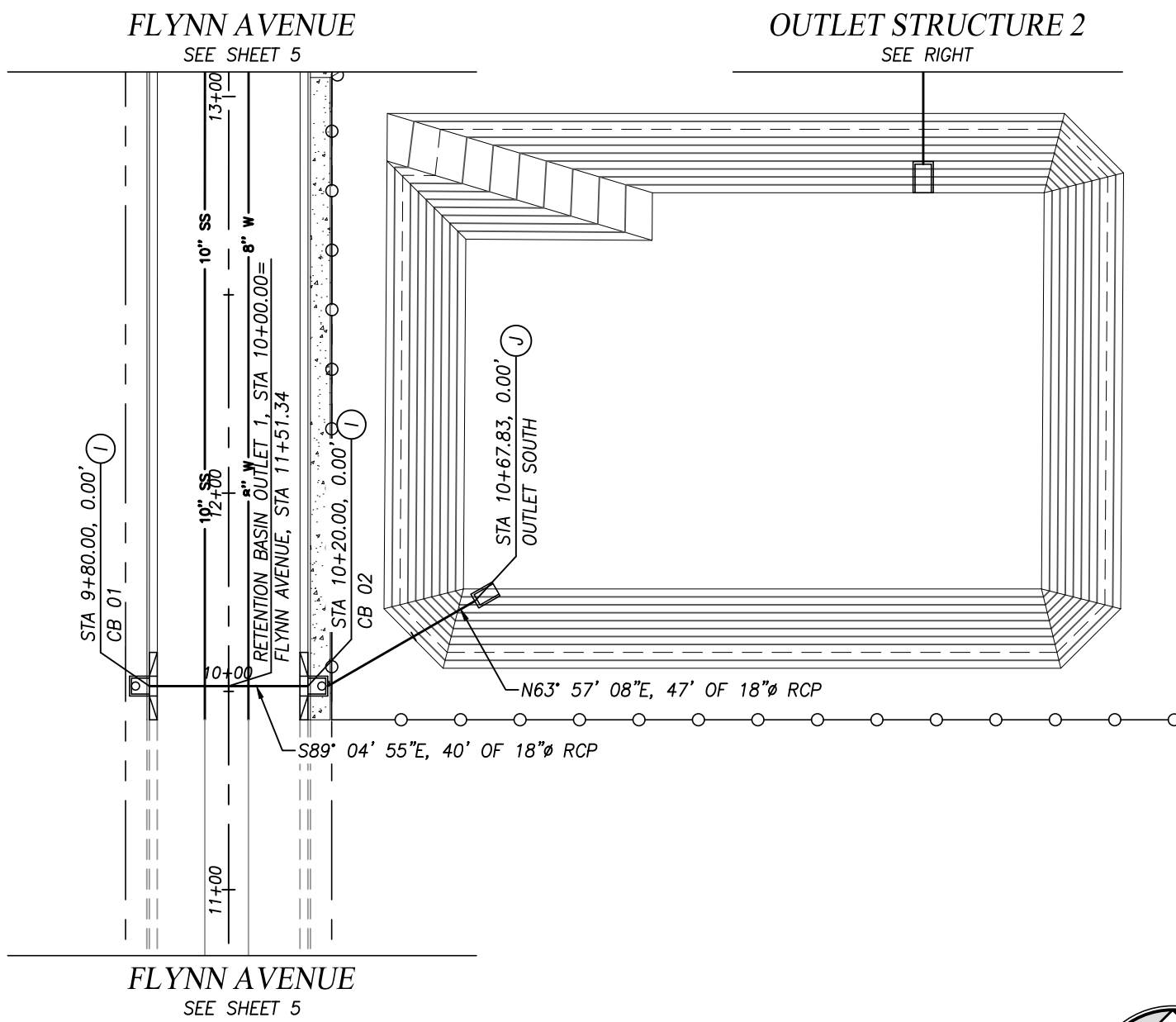


UTILITY CONSTRUCTION NOTES:

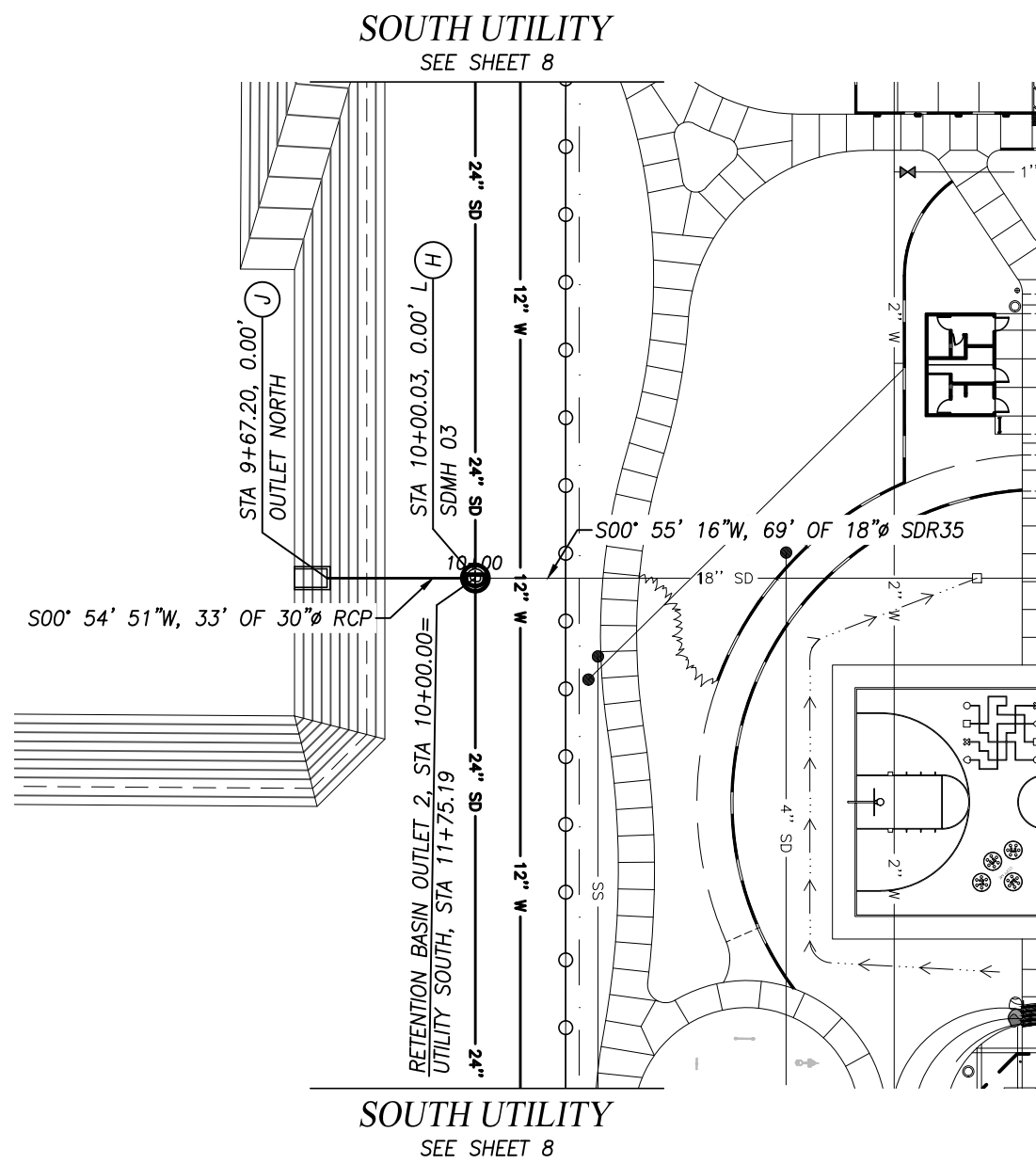
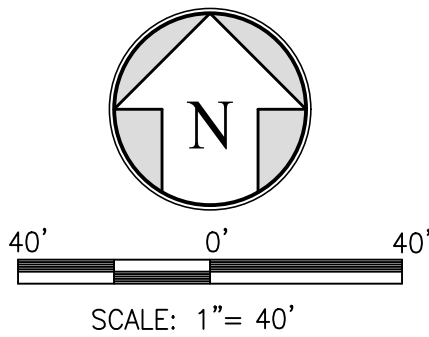
- (A) INSTALL 4" COMMERCIAL WATER SERVICE WITH 3" METER PER DETAIL 1 SHEET 14
- (B) INSTALL THRUST BLOCK PER CITY OF SHAFTER STD W-2
- (C) INSTALL VALVE AND VALVE BOX PER CITY OF SHAFTER STD W-3
- (D) REMOVE BLOW-OFF AND CONNECT TO EXISTING WATER LINE. PATCH PAVEMENT AS REQUIRED PER SHAFTER STD S-3
- (E) INSTALL UTILITY PIPELINE, BACKFILL AND COMPACTION PER CITY OF SHAFTER STD SW-1
- (F) INSTALL PRECAST CONCRETE MANHOLE, FRAME & COVER PER CITY OF SHAFTER STD SW-4 & SW-6
- (G) REMOVE SEWER CLEANOUT FROM SERVICE AND CONNECT TO EXISTING SEWER PIPE. PATCH PAVEMENT AS REQUIRED PER SHAFTER STD S-3
- (H) INSTALL PRECAST CONCRETE STORM MANHOLE, FRAME & COVER PER CITY OF SHAFTER STD SW-4 & SD-2
- (I) INSTALL TYPE "A" CATCH BASIN & GUTTER DEPRESSION PER CITY OF SHAFTER STD S-3 & SD-6. LENGTH = CATCH BASIN "L" ON STD SD-3
- (J) INSTALL STORM DRAIN OUTLET PER CITY OF SHAFTER STD D-2
- (K) INSTALL TAPPING TEE AND VALVE.
- (L) IRRIGATION BACK FLOW DEVICE PER PARK IRRIGATION PLANS

UTILITY GENERAL NOTES:

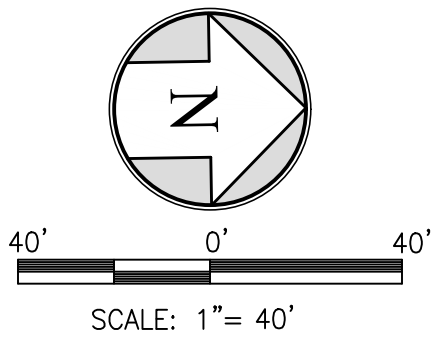
1. CONTRACTOR SHALL FIELD VERIFY EXISTING INVERTS AT ALL TIE IN LOCATIONS
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- 2.3. RETENTION BASIN OUTLET 1 STATIONING BASED ON STORM DRAIN CENTERLINE
- 2.4. RETENTION BASIN OUTLET 2 STATIONING BASED ON STORM DRAIN CENTERLINE



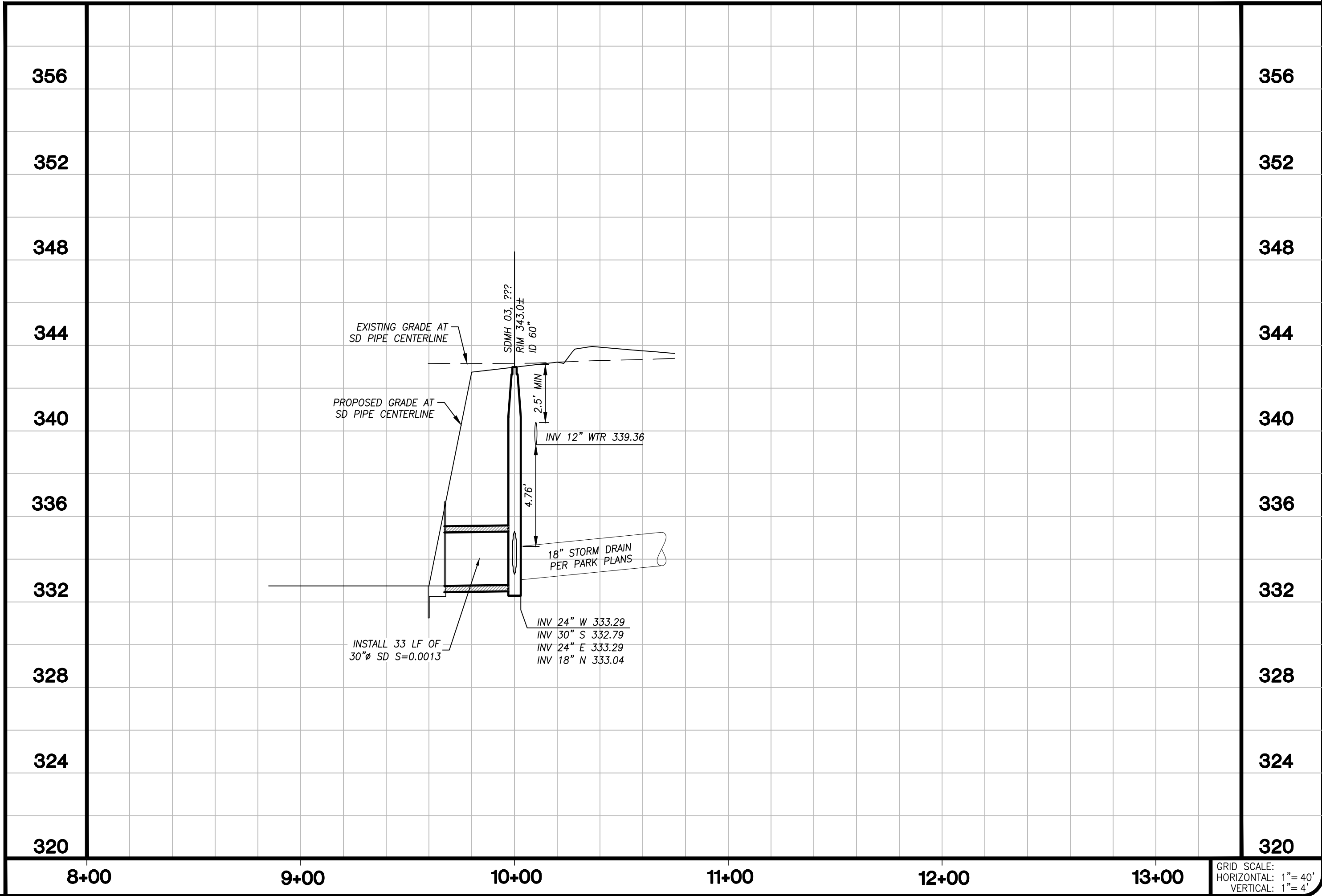
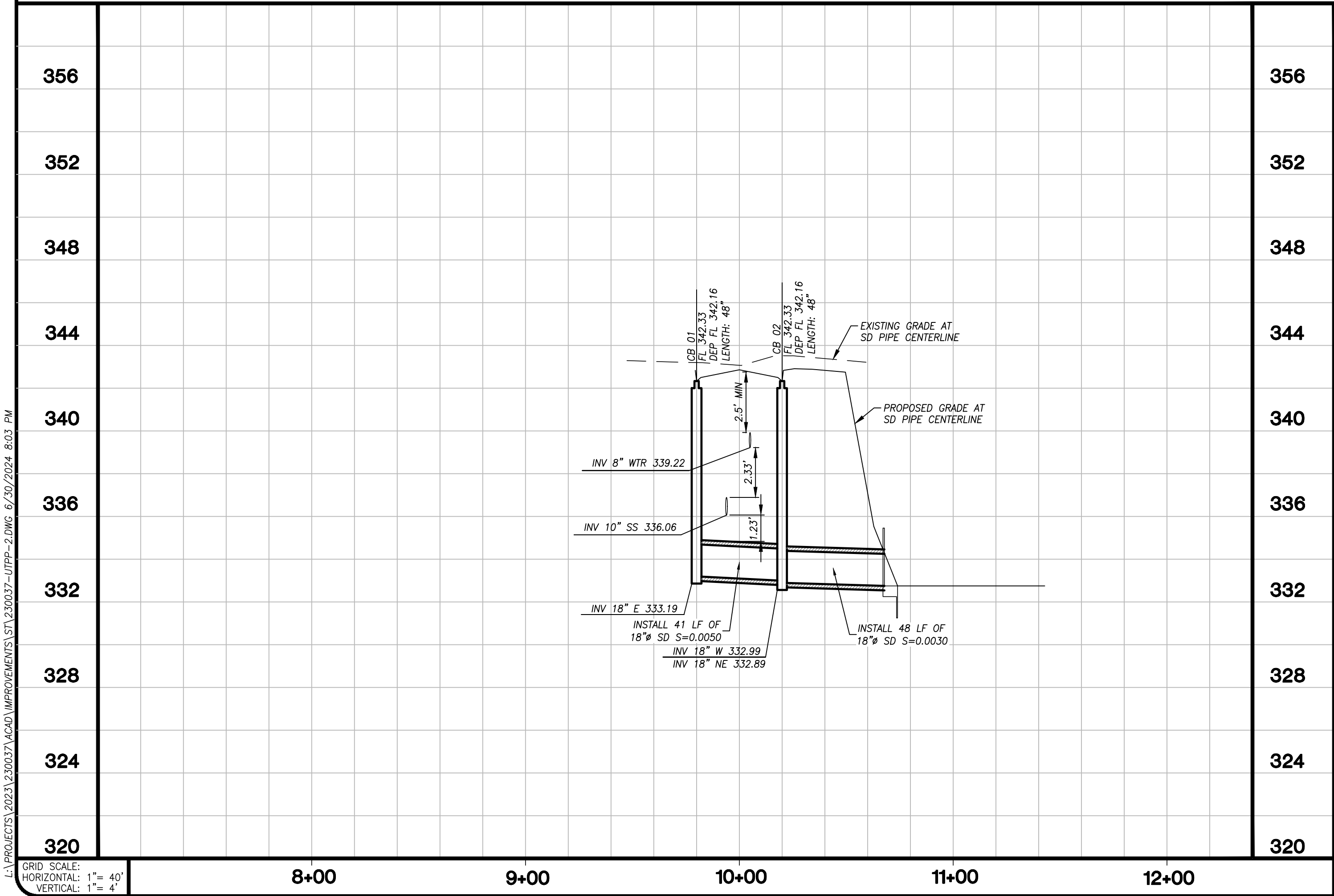
OUTLET STRUCTURE 1



OUTLET STRUCTURE 2

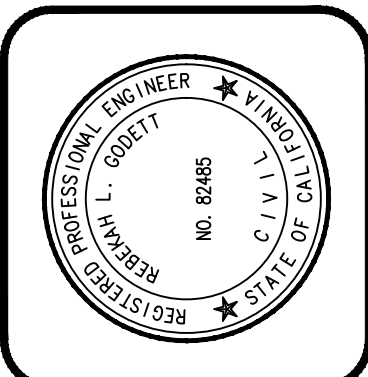
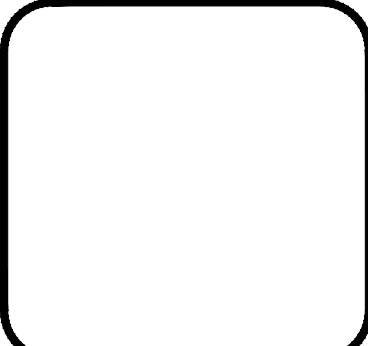


I:\PROJECTS\2023\230037\ACAD\IMPROVEMENTS\ST 230037-UTP-2.DWG 8/19/2024 8:03 PM



Know what's below.
Call before you dig.

REVISIONS		DATE	BY	DESCRIPTION



7/11/2024
DATE

PROJECT ENGINEER

R.C.E. 82485



CITY OF SHAFTER

338 PACIFIC AVENUE
SHAFTER, CA 93263
(661) 746-5004

FLYNN AVENUE IMPROVEMENTS
RETENTION BASIN OUTLETS

PROJECT NO.: 230037

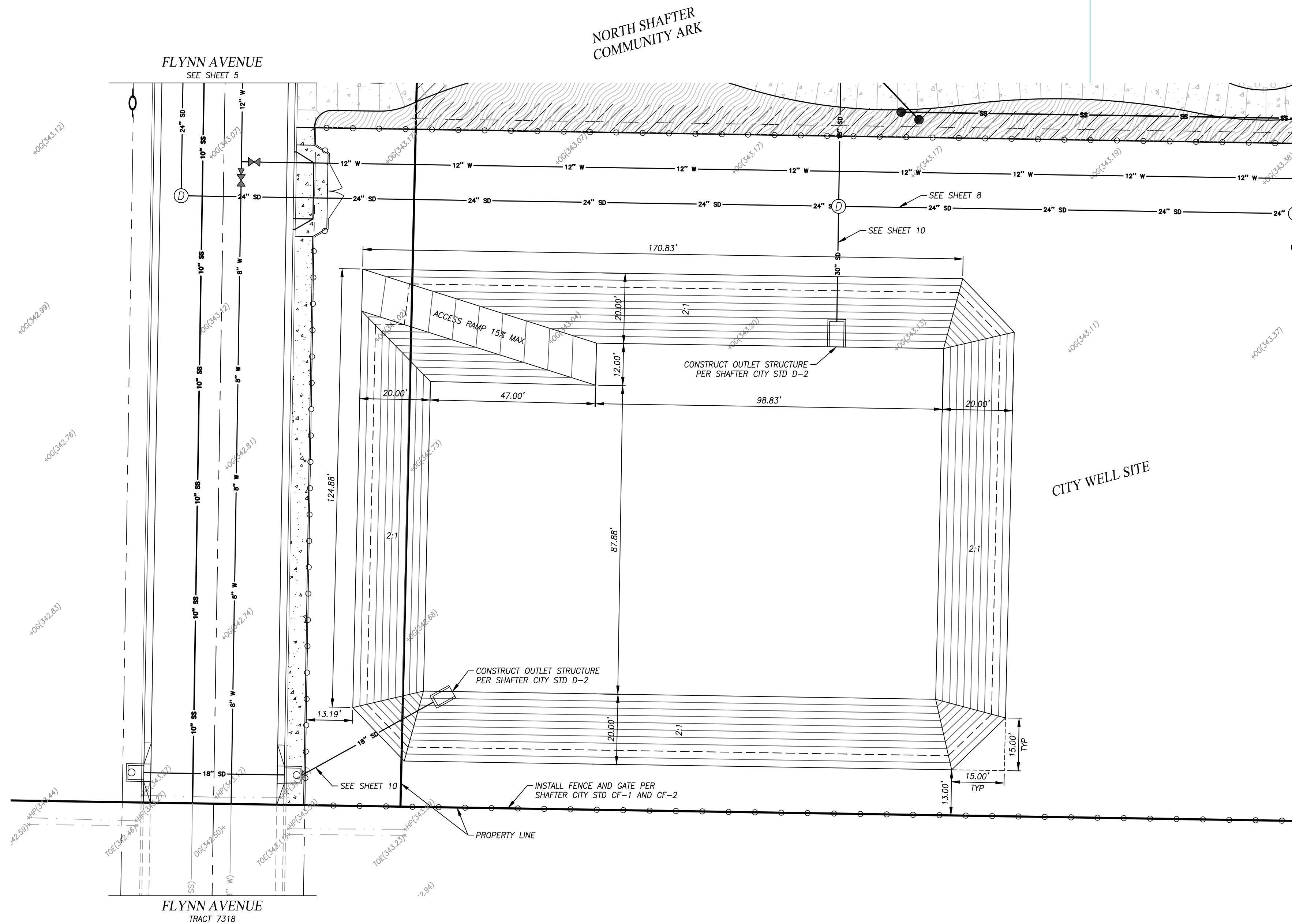
DRAWN BY:
DF

QA/QC BY:
JD

SCALE:
AS SHOWN

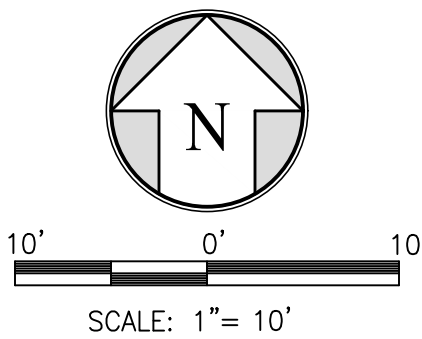
SHEET NO.: 10 OF 14

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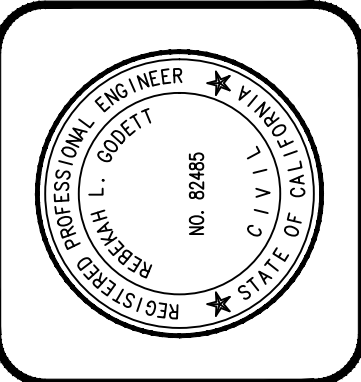
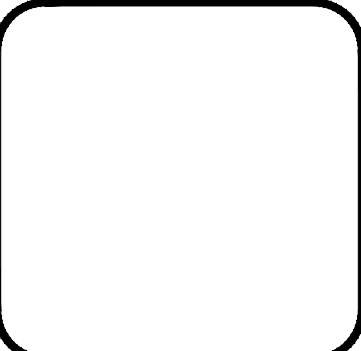


RETENTION BASIN:
TOP OF BANK 742.75
HIGH WATER LINE 740.75
BOTTOM ELEVATION 732.75
REQUIRED CAPACITY 3.17 AC-FT
PROVIDED CAPACITY 3.39 AC-FT

NOTE:
RETENTION BASIN SHALL BE
CONSTRUCTED PER CITY OF
SHAFTER STD D-2.



REVISIONS		
ID	DATE	DESCRIPTION



7/1/2024
DATE

ROBERT L. COFFEY
PROJECT ENGINEER

R.C.E. 82485

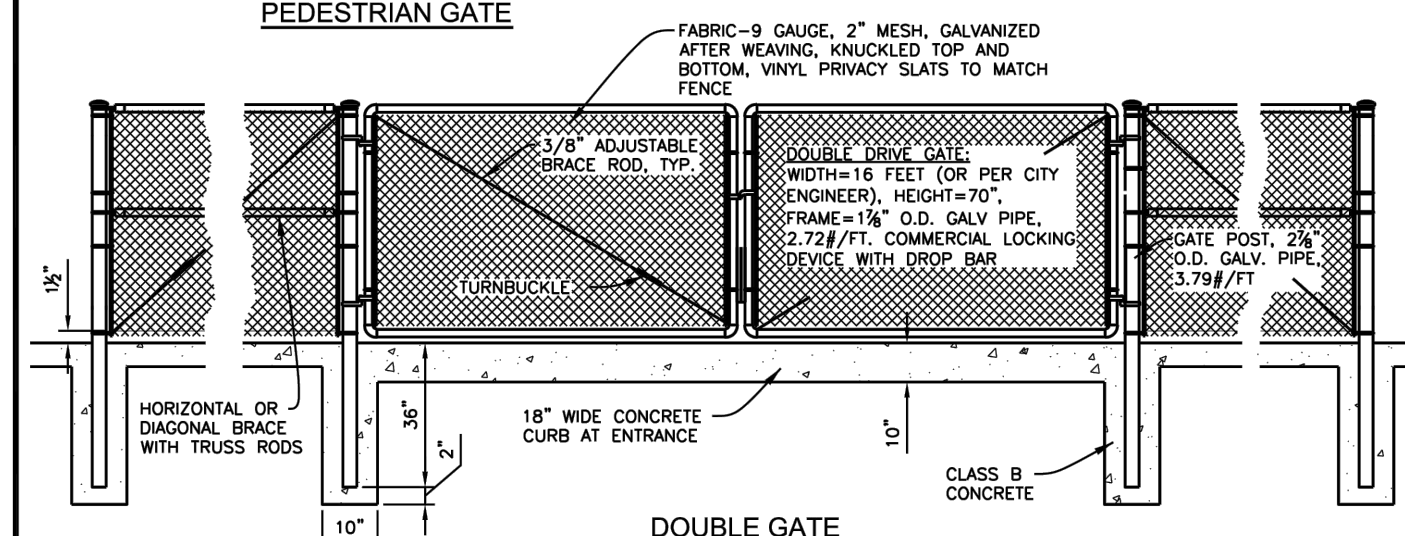


CITY OF SHAFTER
334 PACIFIC AVENUE
SHAFTER, CA 93283
(661) 746-5004

FLYNN AVENUE IMPROVEMENTS
RETENTION BASIN

PROJECT NO.: 230037
DRAWN BY: DF
QA/QC BY: JD
SCALE: AS SHOWN
SHEET NO.: 11 OF 14

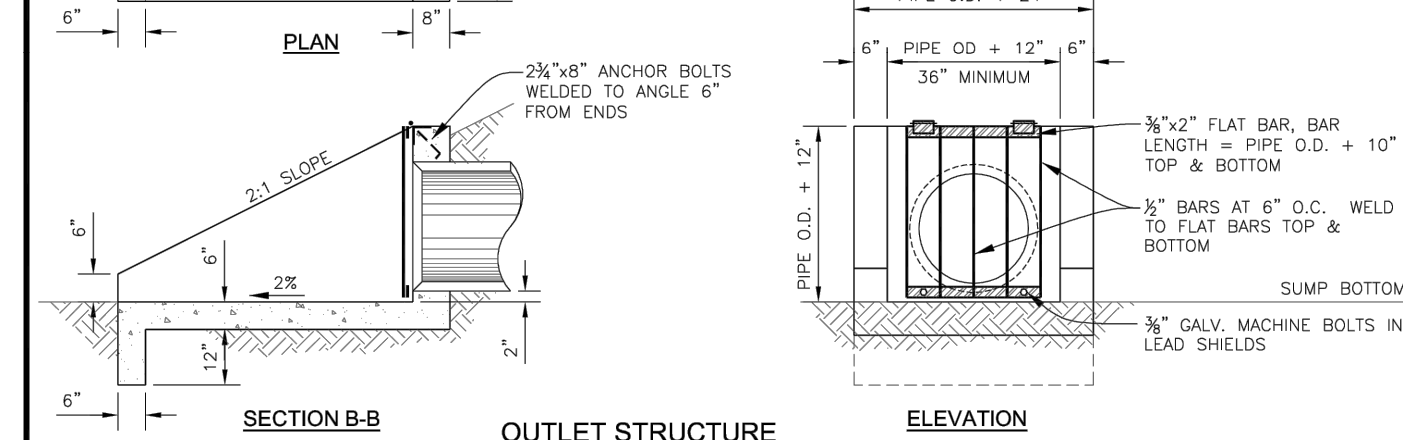
 SUBDIVISION & ENGINEERING DESIGN MANUAL DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	APPROVED BY THE CITY COUNCIL: _____ DATE <u>JULY 21, 2005</u>	CHAIN LINK FENCING STANDARD DRAWING	
	APPROVED: _____ CITY ENGINEER	DRAWN BY: K.L.H. CHECKED BY: K.L.H.	SCALE: _____ NTS UPDATED: 6/2005



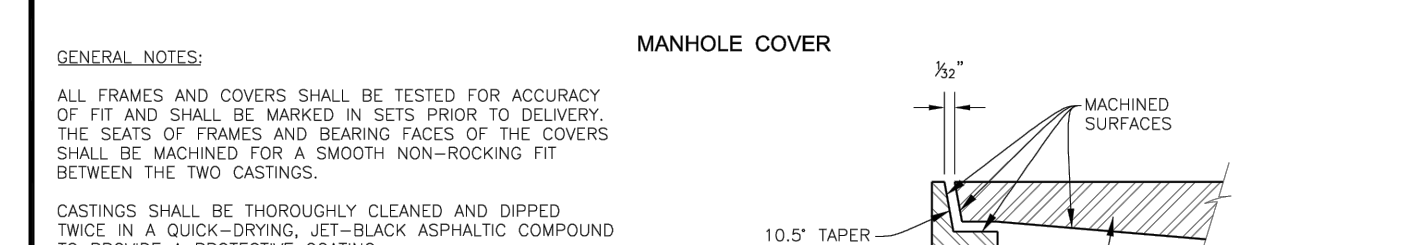
GENERAL NOTES: SUBGRADE PREPARATION SHALL BE CONSTRUCTED TRUE TO GRADE AND CROSS SECTION WITH COMPRESSION OF 90% TO A DEPTH OF 0.50 FEET. SUBGRADE PREPARATION FOR VEHICULAR ACCESS SHALL BE CONSTRUCTED TRUE TO GRADE AND CROSS SECTION WITH COMPRESSION OF 90% TO A DEPTH OF 1.0 FEET. CONCRETE SLAB SHALL BE CLASS "B" (5 SACK) AND SHALL BE WITHIN "28" TO "36" SLUMP. SURFACE OF CONCRETE SHALL BE TROWELED SMOOTH, AND BRUSH FINISHED. CONCRETE SHALL CONTAIN NO ADDITIVES UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE CITY ENGINEER. CONCRETE SHALL BE CURED WITH A WHITE PIGMENTED CURING COMPOUND COMPLYING TO SECTION 701-7.10 OF THE STANDARD SPECIFICATIONS. END, CORNER AND GATE POSTS SHALL BE BRACED TO THE NEAREST LINE POST WITH GALVANIZED DIAGONAL OR HORIZONTAL BRACES	USED AS COMPRESSION MEMBERS AND GALVANIZED 3" STEEL TRUSS ROUSERS WITH TURNBUCKLES OR TRUSS LIGHTENERS USED AS TENSION MEMBER. WHEN VINYL SUBURBAN SCREEN IS REQUIRED IT SHALL BE USED WITH 3/4-9 GAUGE FABRIC SO CONSTRUCTED THAT THE SLATS ARE LOCKED INTO POSITION AND CAN ONLY BE REMOVED WITH USE OF TOOLS. FRAMES SHALL BE MADE WITH FITTINGS OR WELDED, WITH WEELS GROUND SMOOTH, AND REALIGNED. CHAIN-LINK FENCE FABRIC SHALL CONFORM TO THE SPECIFICATIONS OF ASTM DESIGNATION A-952, CLASS 1 INSTALLATION OF FENCING AND GATES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 80-4 OF THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND CALIFORNIA, BUSINESS AND TRANSPORTATION AGENCY, DEPARTMENT OF TRANSPORTATION, CURRENT EDITION, AND THESE GENERAL NOTES. CURBING AS SPECIFIED BY C.O.S. STANDARD DRAWING 5-10 SHALL BE CONTINUED UNDER PRESENTATION. A 1' X 12" CONCRETE CURB SHALL BE CONSTRUCTED UNDER ALL VEHICULAR GATES.
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 SHAFTER DESIGN & ENGINEERING DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	APPROVED BY THE CITY COUNCIL: <i>JULY 21, 2005</i> DATE	CHAIN LINK FENCE GATES STANDARD DRAWING
SUBDIVISION & MECHANICAL DESIGN	APPROVED: CITY ENGINEER	DRAWN BY: KLH CHECKED BY: KLH SCALE: NTS UPDATED: 6/2005

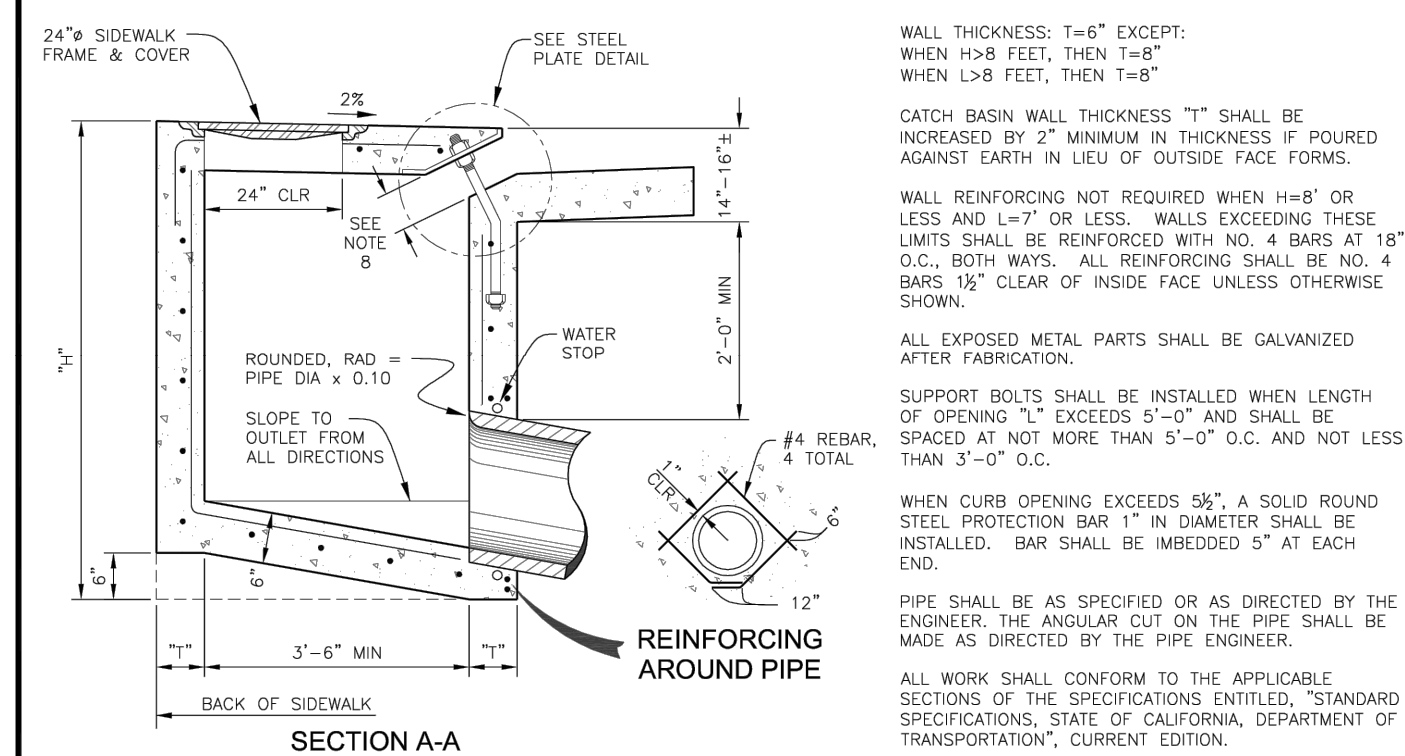
CF-2



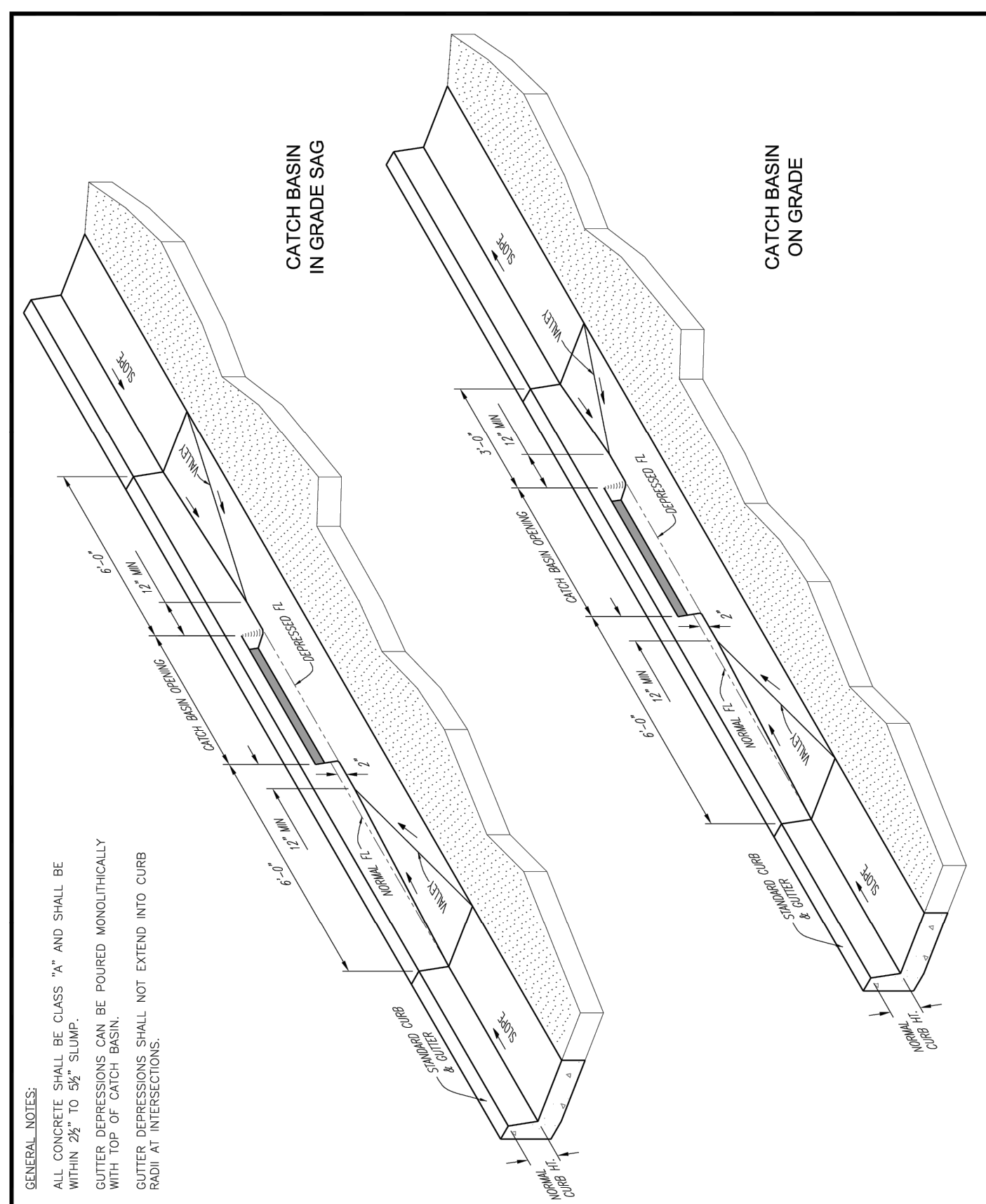
 SUBDIVISION & ENGINEERING DESIGN MANUAL DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	APPROVED BY THE CITY COUNCIL: _____ JULY 21, 2005 DATE		DRAINAGE BASIN & OUTLET STRUCTURE STANDARD DRAWING	
	APPROVED: _____ ORIGINAL SIGNED & ON FILE CITY ENGINEER	DRAWN BY: K.L.H. CHECKED BY: K.L.H.	SCALE: NTS UPDATED: 6/2005	D-2



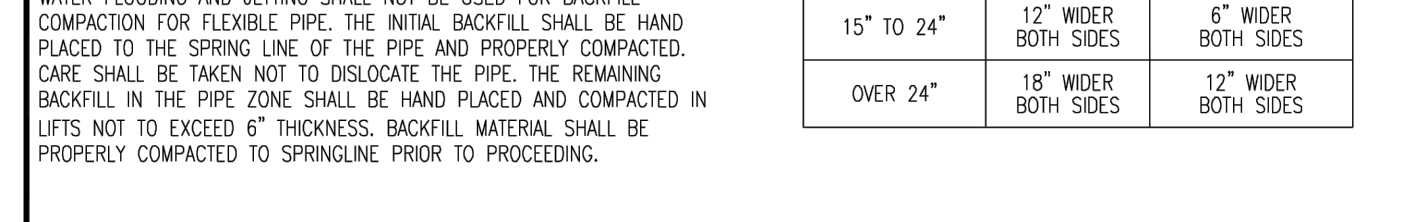
TO PROVIDE A PROTECTIVE COATING. ALL FRAMES AND COVERS SHALL BE TOUGH, GRAY CAST IRON, FREE FROM WARPS, CRACKS, HOLES, SLEAKS AND COLD-SPOTS, AND SHALL HAVE A WORKMANLIKE FINISH. CASTINGS SHALL CONFORM TO THE PROVISIONS OF THE SPECIFICATIONS FOR GRAY-IRON CASTINGS, SERIAL DESIGNATION ASTM-A-48, LATEST EDITION. CLASS 35B GRAY IRON WITH MINIMUM STRENGTH OF 35 KSI FOR H20-44 HIGHWAY LOADING. THE NAME OF MANUFACTURING COMPANY SHALL BE ON THE UNDERSIDE OF THE COVER. MANHOLE FRAME SHALL WEIGH NOT LESS THAN 120 POUNDS AND NOT MORE THAN 250 POUNDS. THE COVER SHALL WEIGH NOT LESS THAN 120 POUNDS AND NOT MORE THAN 200 POUNDS. MANHOLE COVER SHALL HAVE A SELF DRAINING BLIND PUCK HOLE OF SAME TYPE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.	 ADDED STANDARDS APPLICABLE TO IMPORTED COVERS ONLY: IMPORTED COVERS AND FRAMES SHALL CONFORM TO SECTION 207 OF THE TRADE AND TARIFF ACT OF 1964. THE NAME OF THE COUNTRY IF OTHER THAN THE UNITED STATES OF AMERICA, MUST BE DESIGNATED UPON DOWN AND LOCATED ON THE OUTSIDE EDGE OF THE LID. IF A MANHOLE LID IS IMPORTED, THE NAME OF THE COMPANY WHO RECEIVES THE PRODUCT MUST BE DESIGNATED ON THE UNDERSIDE OF THE COVER.
 SUBDIVISION & ENGINEERING DESIGN MANUAL DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	APPROVED BY THE CITY COUNCIL: <i>DATE</i> JULY 21, 2005 APPROVED: <u>ORIGINAL SIGNED & ON FILE</u> <i>CITY ENGINEER</i>
MANHOLE FRAME AND COVER STANDARD DRAWING	
DRAWN BY: <u>KLH</u> CHECKED BY: <u>KLH</u>	SCALE: <u>NTS</u> UPDATED: <u>6/2005</u>



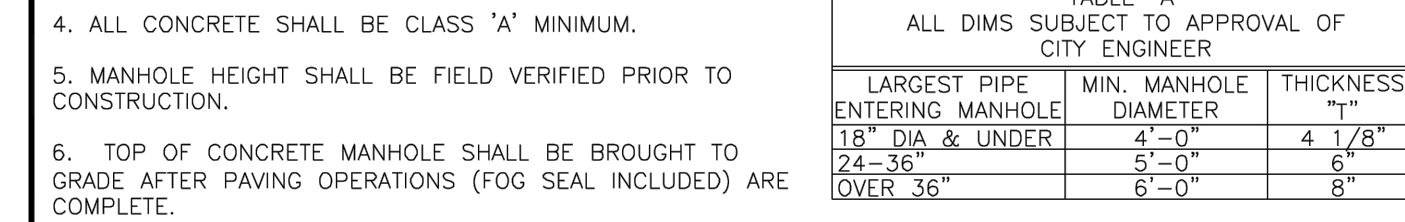
 SUBDIVISION & ENGINEERING DESIGN MANUAL DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	APPROVED BY THE CITY COUNCIL: JULY 21, 2005		CATCH BASIN TYPE "A"		
	DATE		STANDARD DRAWING		
	APPROVED: ORIGINAL SIGNED & ON FILE		DRAWN BY: K.L.H.	SCALE: NTS	SD-3
	CITY ENGINEER		CHECKED BY: K.L.H.	UPDATED: 6/2005	



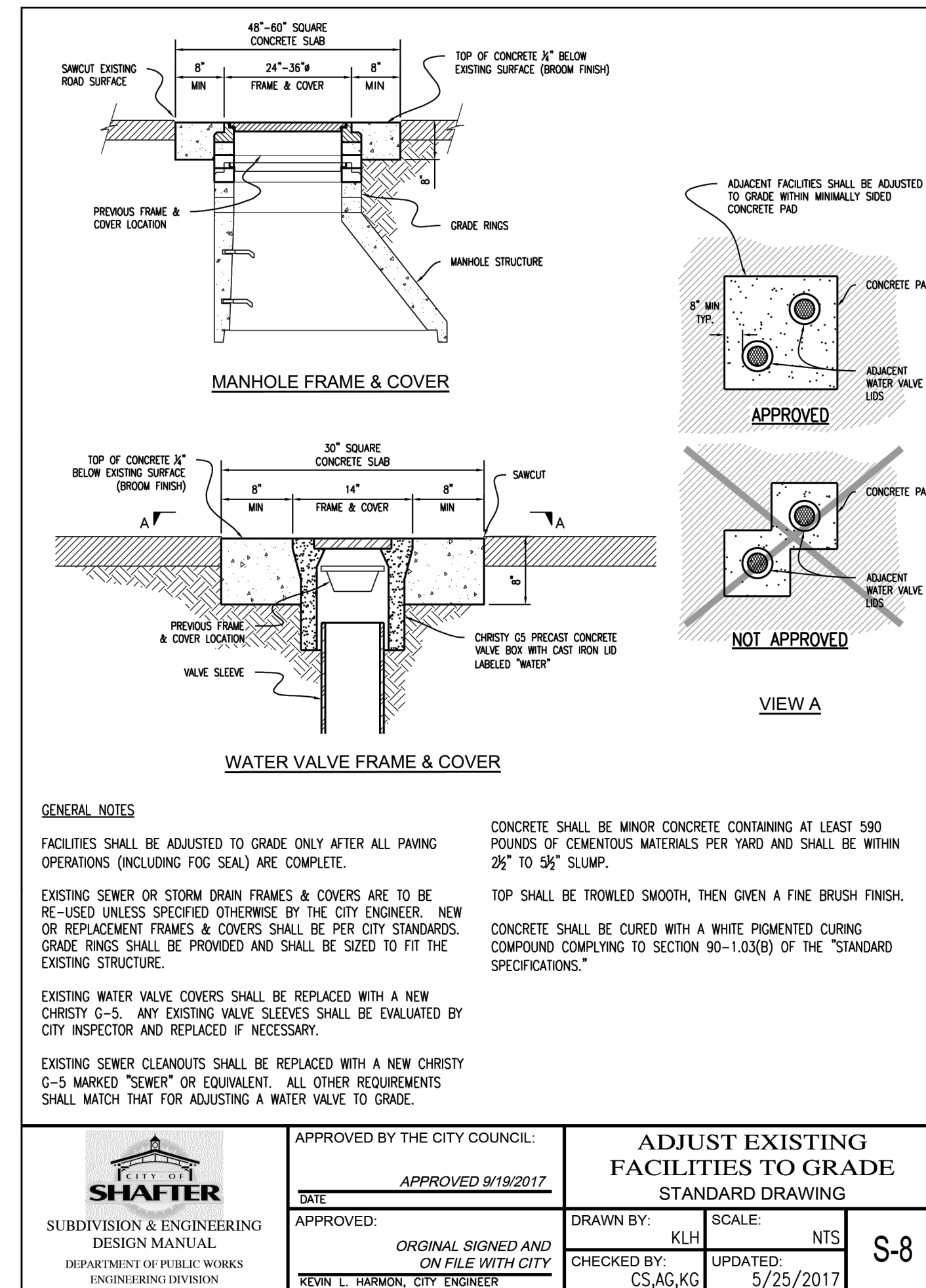
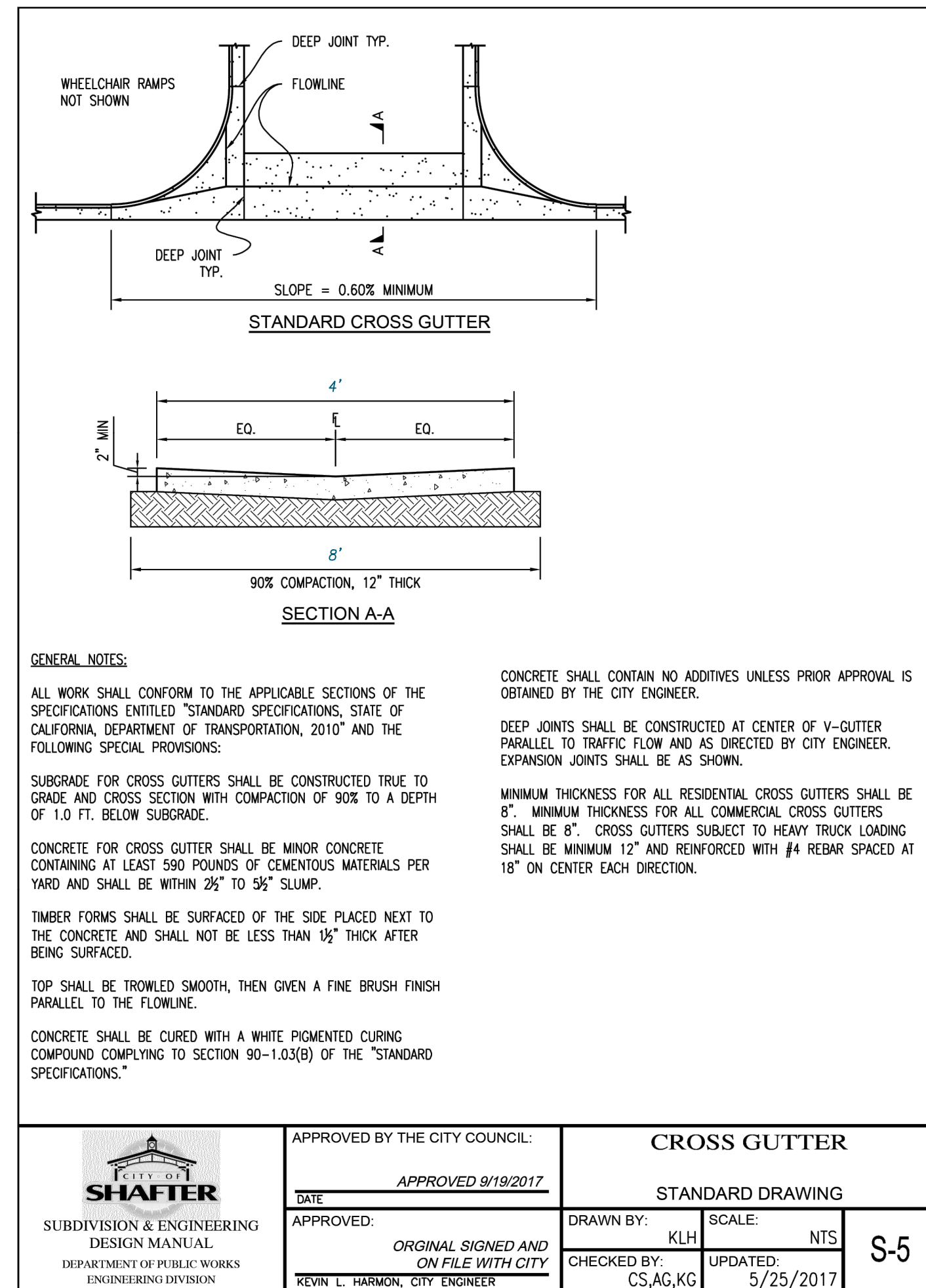
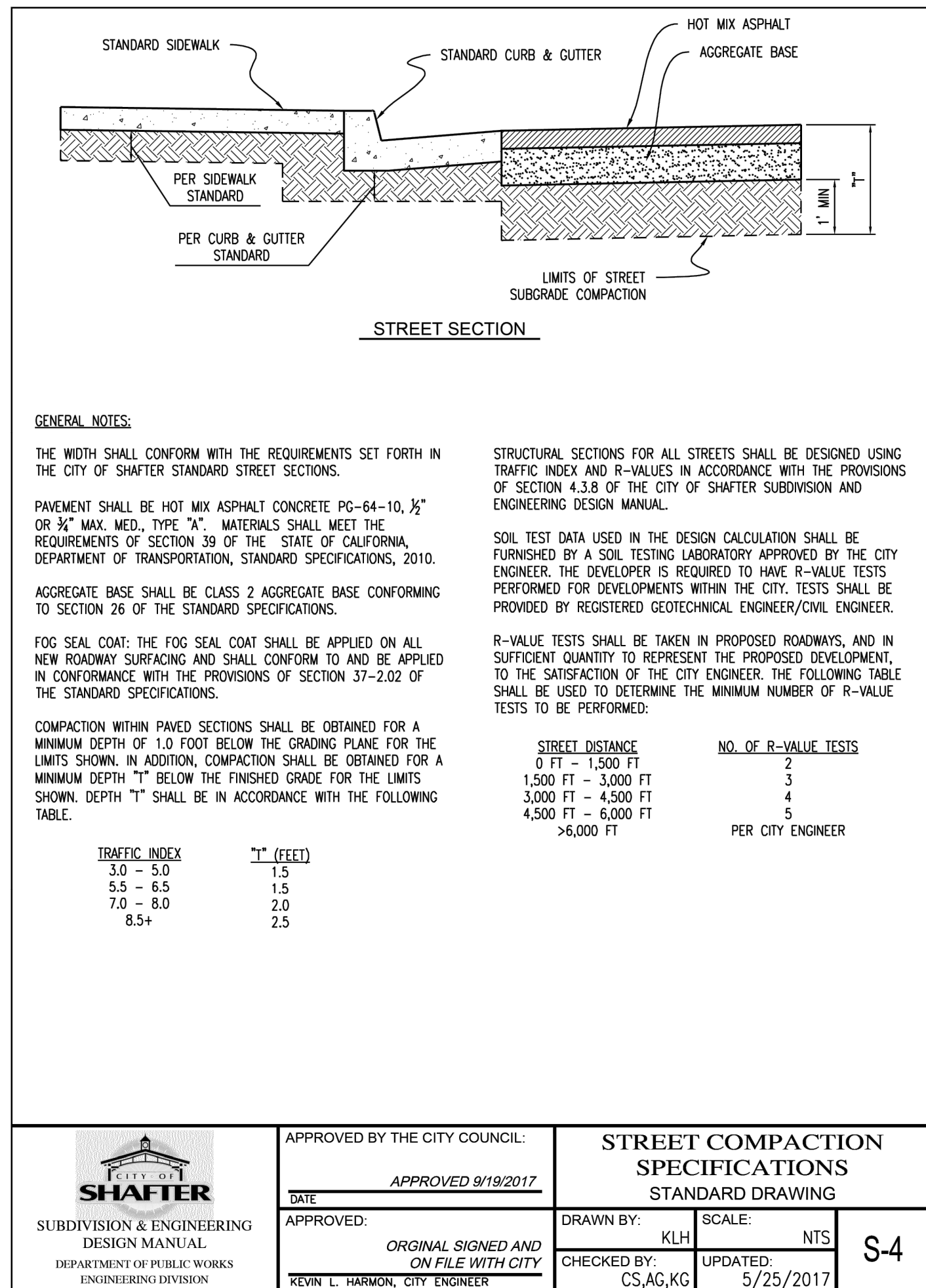
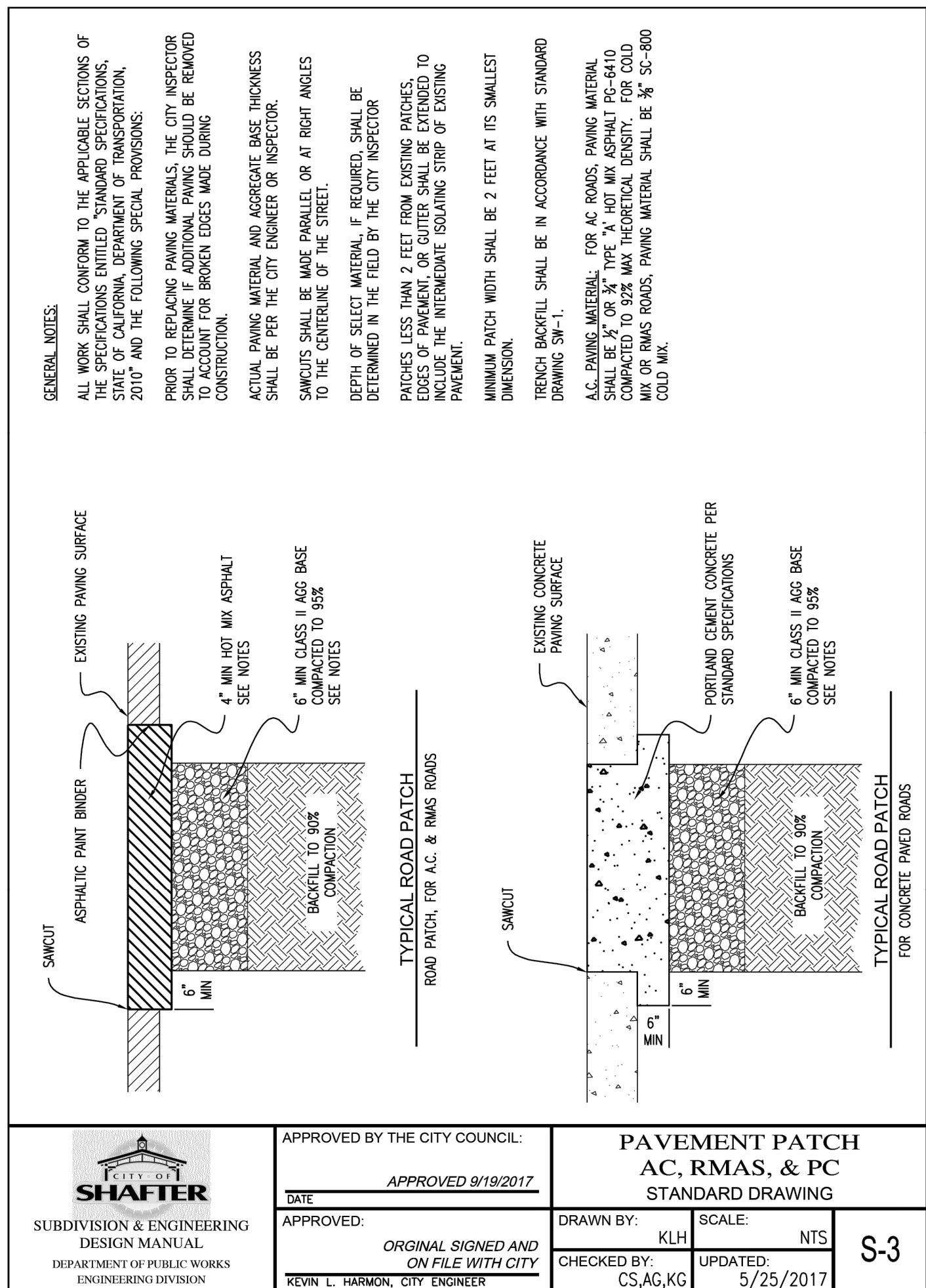
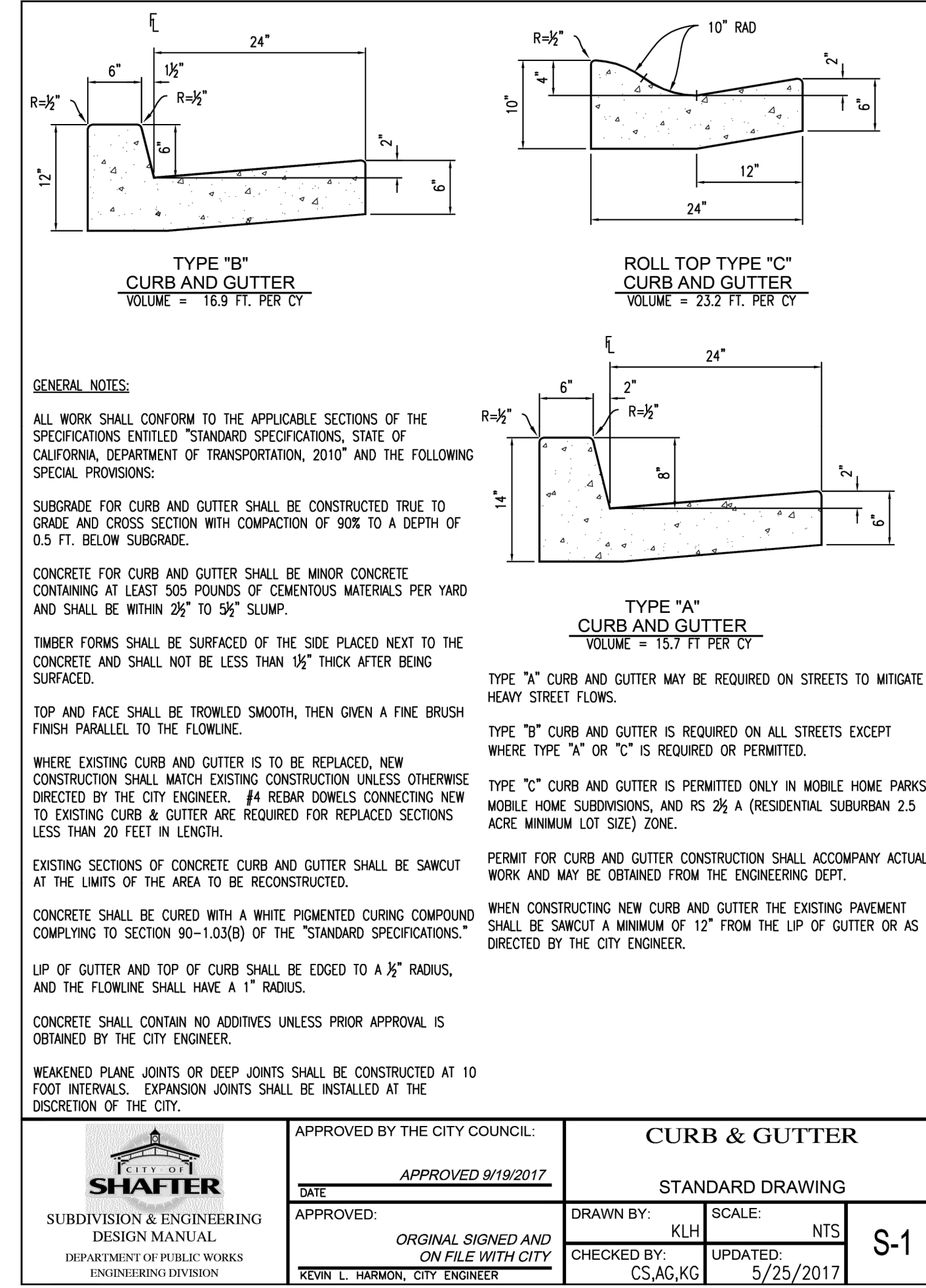
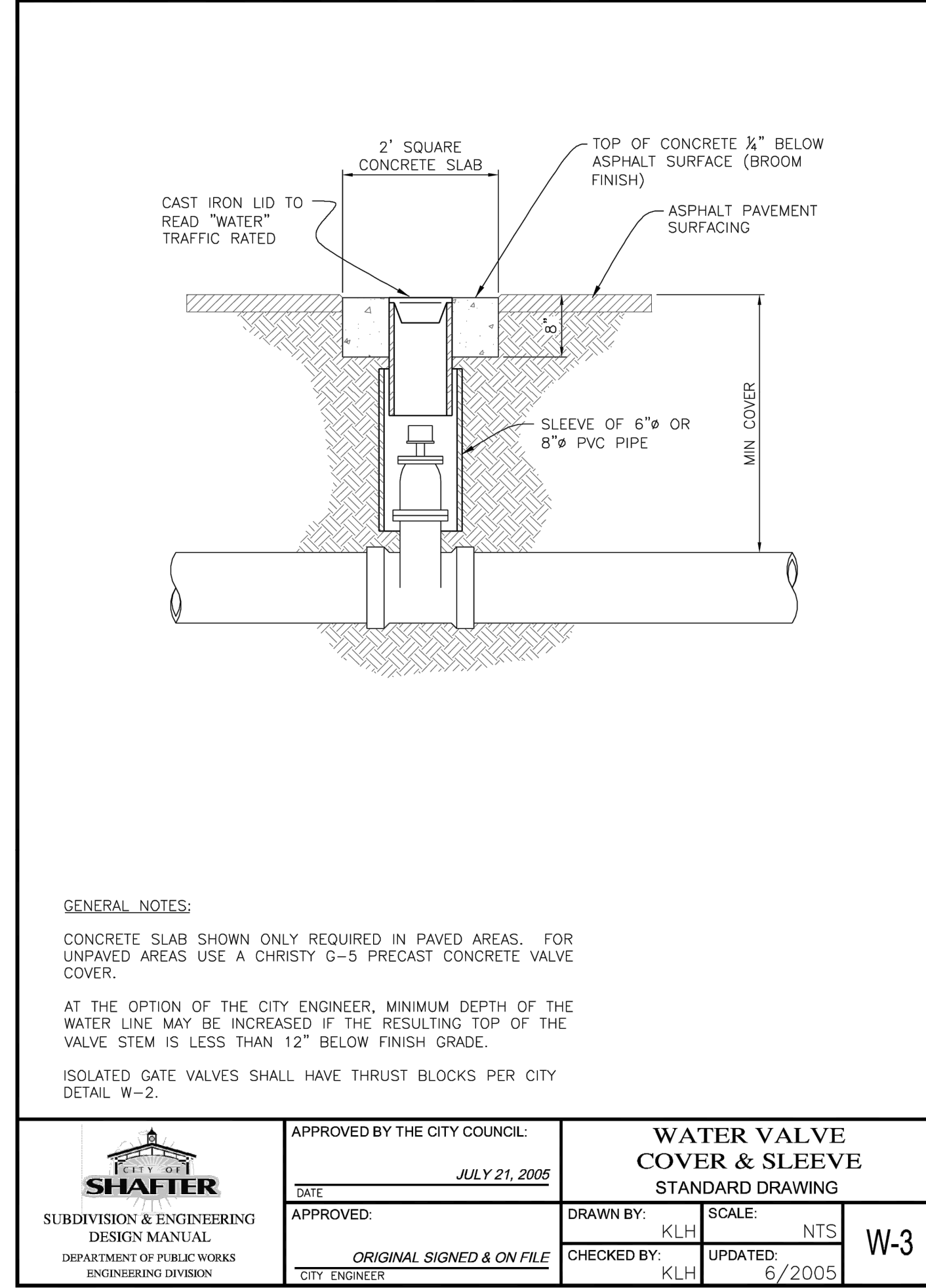
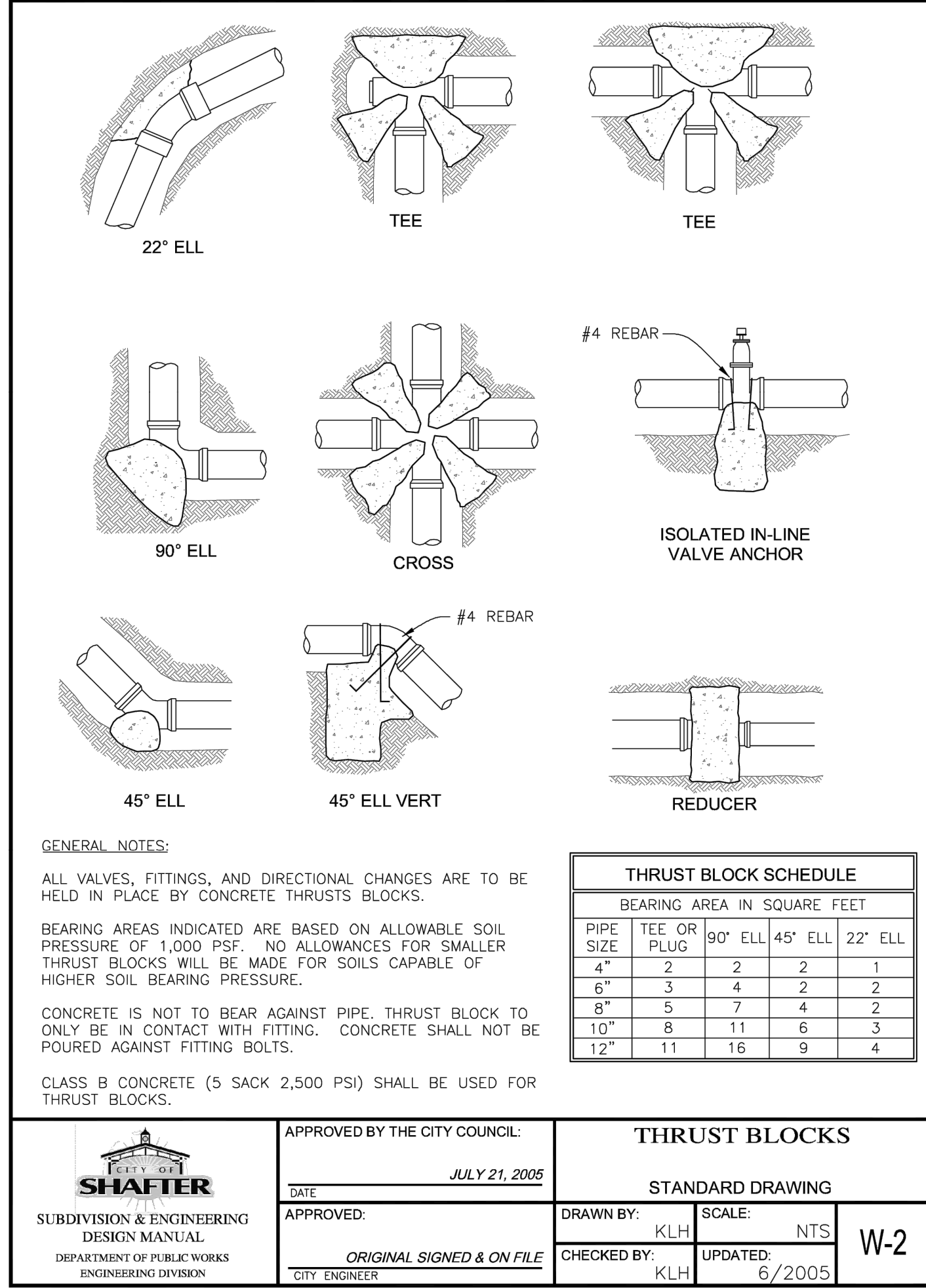
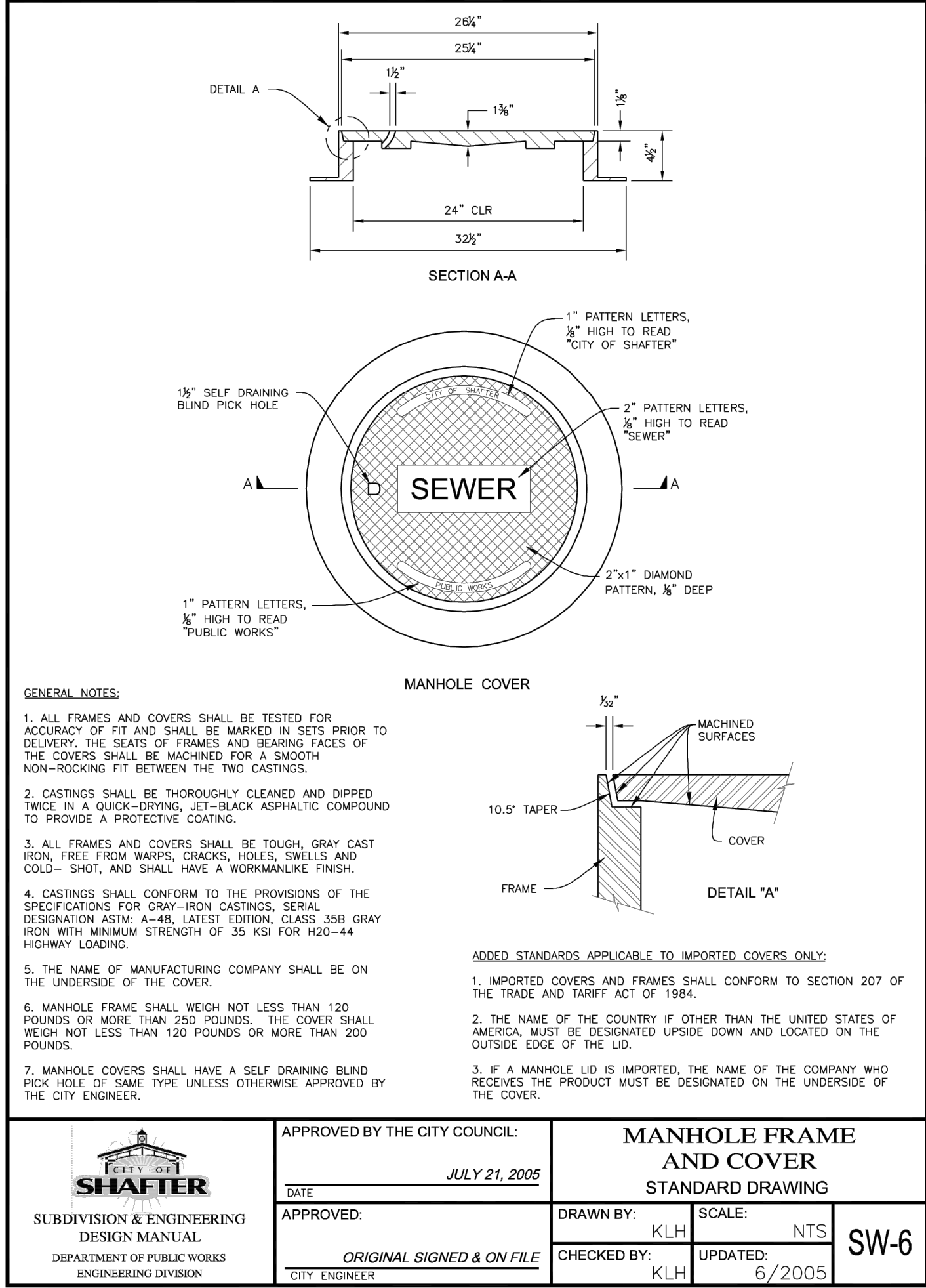
 SUBDIVISION & ENGINEERING DESIGN MANUAL DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	APPROVED BY THE CITY COUNCIL: JULY 21, 2005 DATE	CATCH BASIN GUTTER DEPRESSIONS STANDARD DRAWING		
	APPROVED: ORIGINAL SIGNED & ON FILE CITY ENGINEER	DRAWN BY: K.L.H. CHECKED BY: K.L.H.	SCALE: NTS UPDATED: 6/2005	SD-6



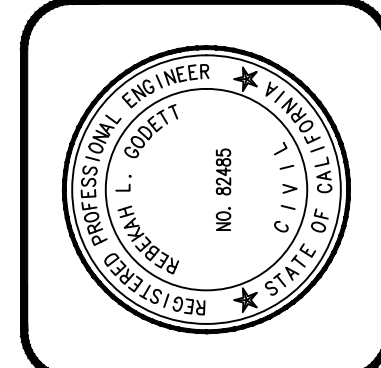
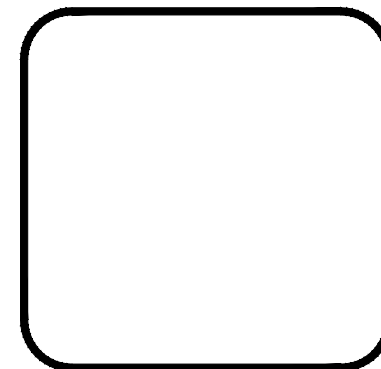
 SUBDIVISION & ENGINEERING DESIGN MANUAL DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	APPROVED BY THE CITY COUNCIL: JULY 21, 2005 DATE		PIPE BACKFILL AND COMPACTION STANDARD DRAWING	
	APPROVED: ORIGINAL SIGNED & ON FILE CITY ENGINEER	DRAWN BY: K.L.H. CHECKED BY: K.L.H.	SCALE: NTS UPDATED: 6/2005	SW-1



 SUBDIVISION & ENGINEERING DESIGN MANUAL DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	APPROVED BY THE CITY COUNCIL: JULY 21, 2005		PRECAST CONCRETE MANHOLE STANDARD DRAWING	
	DATE		DRAWN BY:	SCALE:
	APPROVED:		K.L.H.	NTS
	ORIGINAL SIGNED & ON FILE CITY ENGINEER		CHECKED BY:	UPDATED:
		K.L.H.	6/2005	SW-4



REVISIONS	DATE	BY	DESCRIPTION



7/1/2024
DATE

R.C.E. 84485

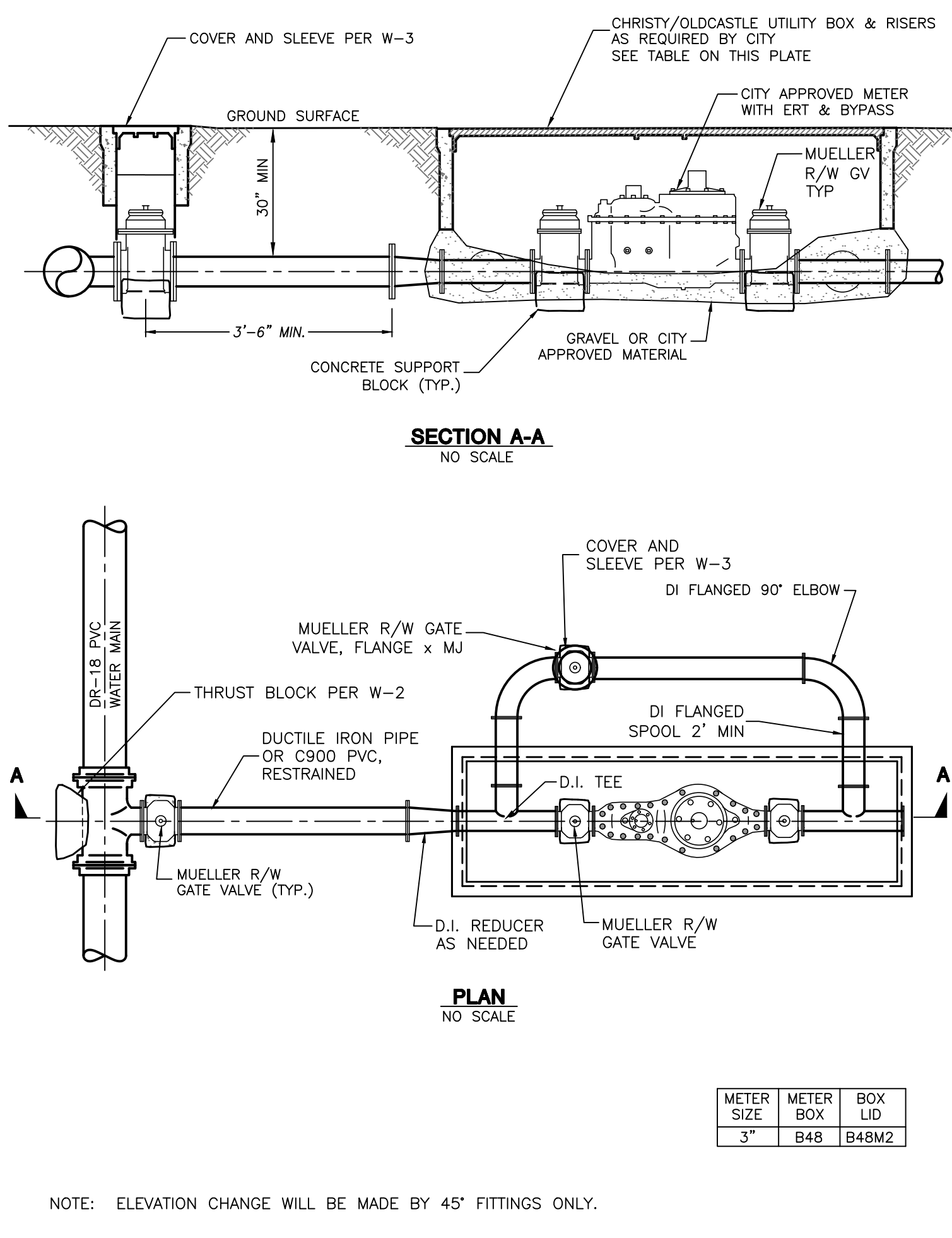
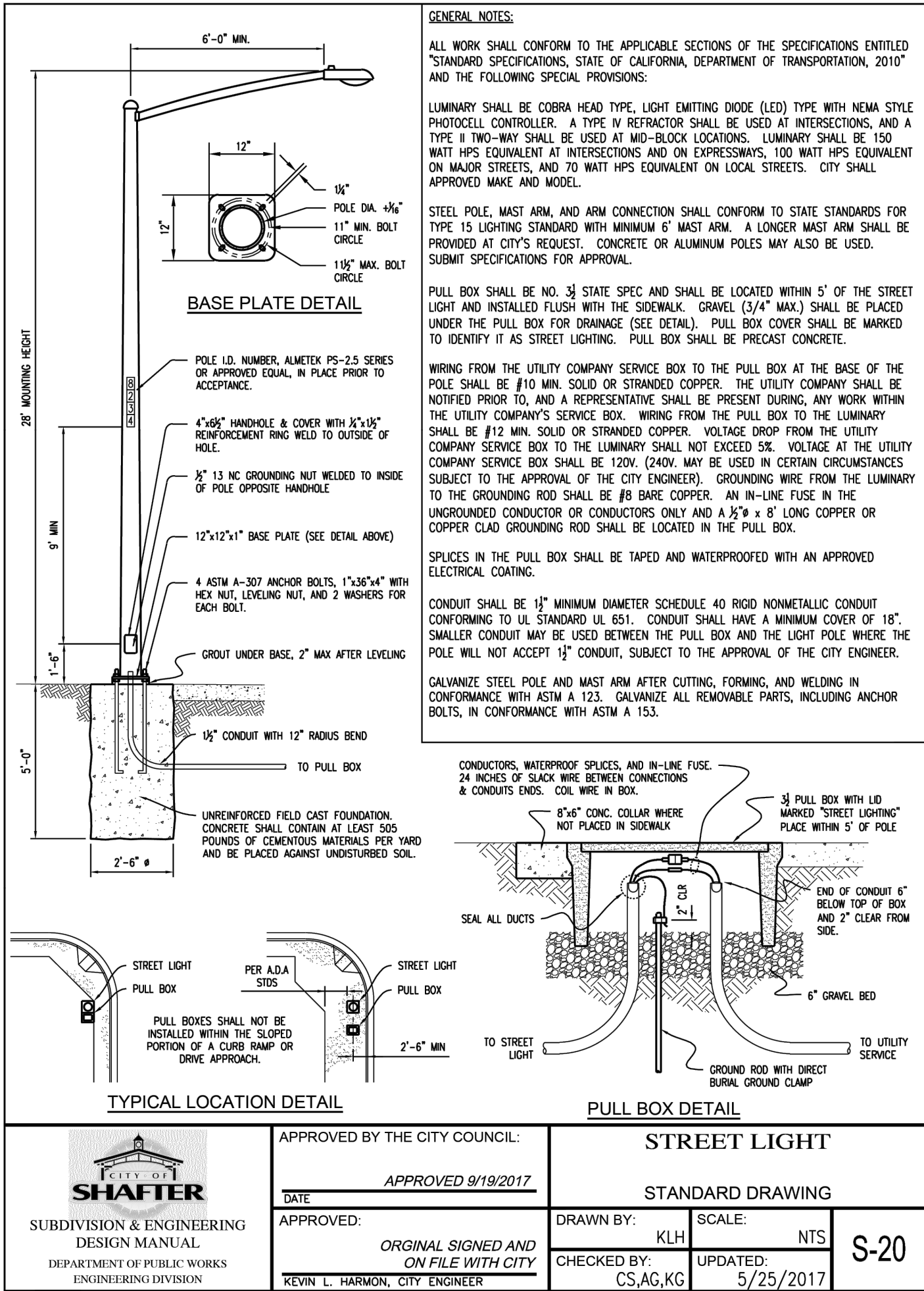
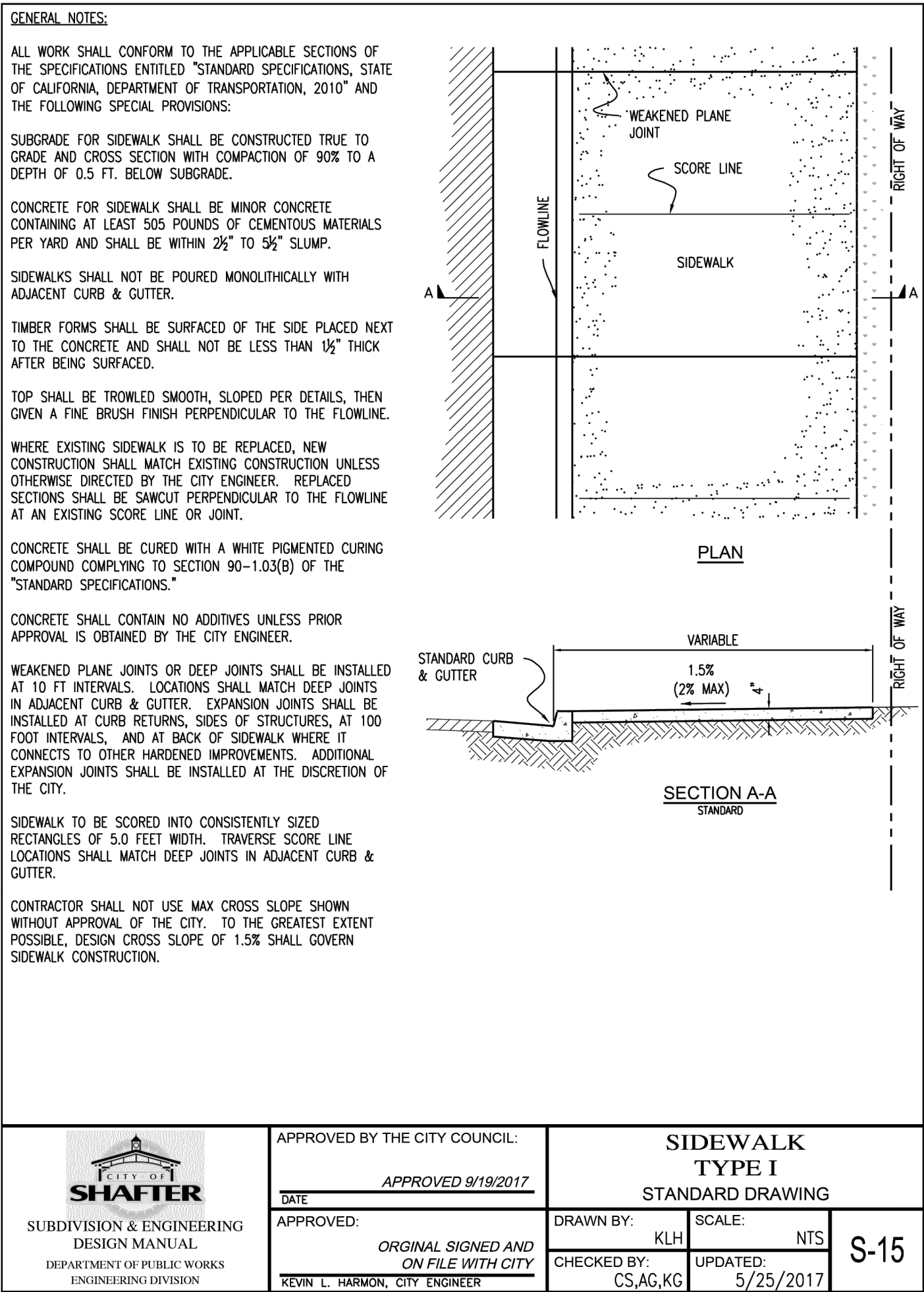
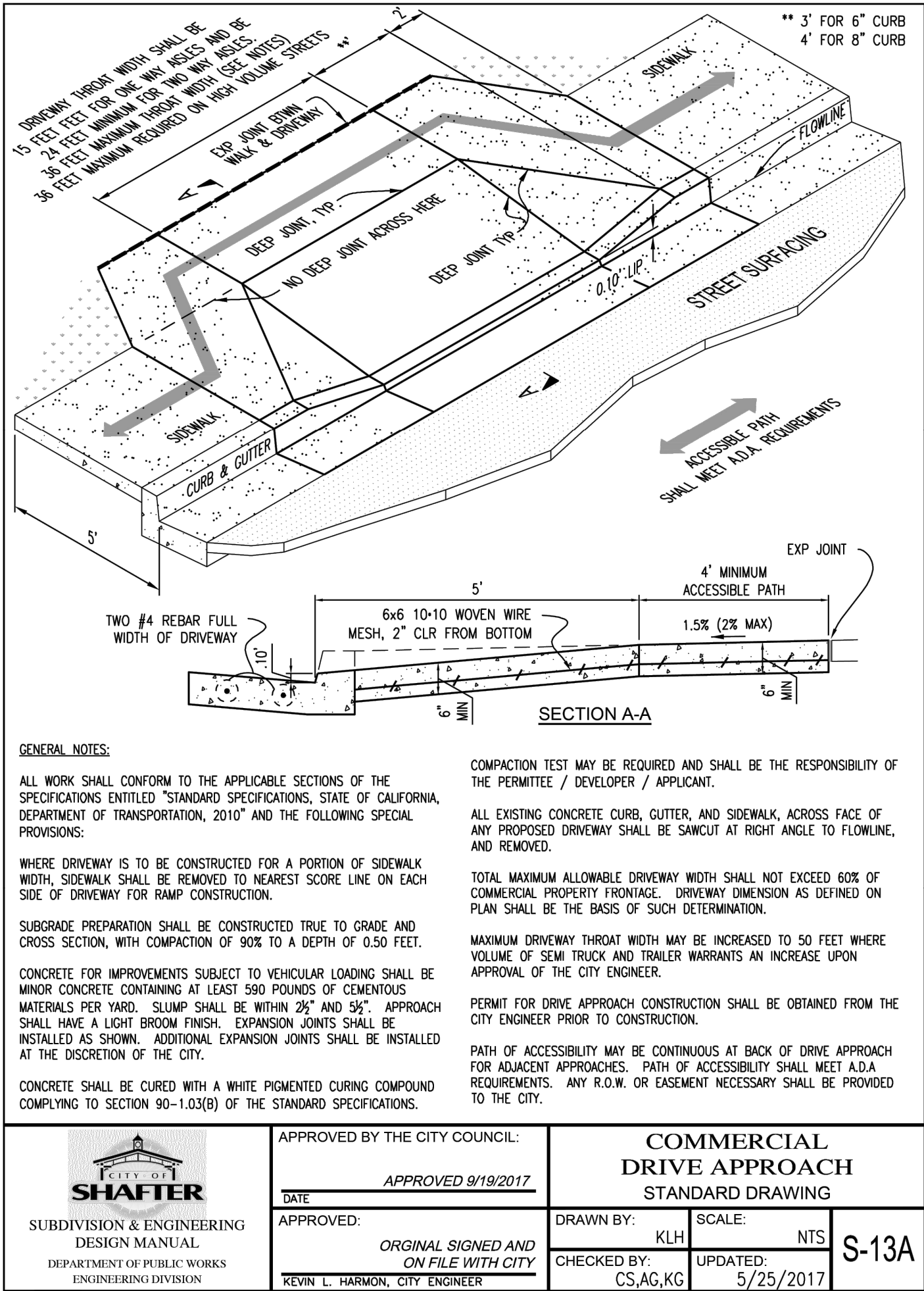
KEVIN L. HARMON
PROJECT ENGINEER



CITY OF SHAFTER
338 PACIFIC AVENUE
SHAFTER, CA 93283
(661) 746-5004

**FLYNN AVENUE IMPROVEMENTS
DETAILS**

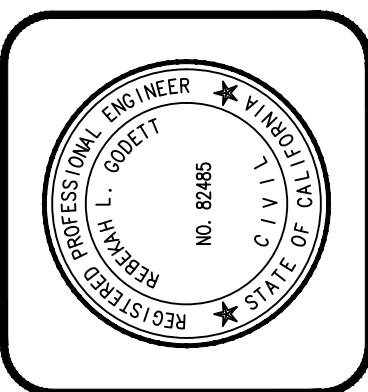
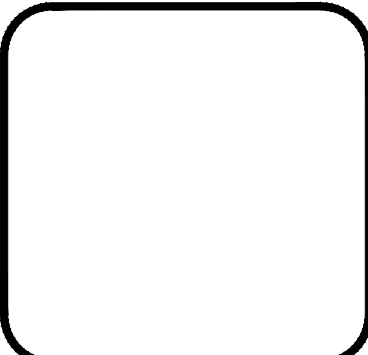
PROJECT NO.: 230037
DRAWN BY: DF
QA/QC BY: JD
SCALE: NO SCALE
SHEET NO.: 13 OF 14



1 WATER METER

NTS

REVISIONS	DATE	BY	DESCRIPTION



7/1/2024
DATE

KEVIN L. HARMON
PROJECT ENGINEER

R.C.E. 80485



CITY OF SHAFTER
335 PACIFIC AVENUE
SHAFTER, CA 93283
(661) 746-5004

FLYNN AVENUE IMPROVEMENTS
DETAILS

PROJECT NO.: 230037
DRAWN BY: DF
QA/QC BY: JD
SCALE: NO SCALE
SHEET NO.: 14 OF 14



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Alex Gonzalez, Deputy Public Works Director

SUBJECT: SHAFTER AQUATICS CENTER - MODULAR BUILDING
PROJECT (#PF00004) RELEASE FOR PUBLIC BIDDING

RECOMMENDATION

Council find that the action is exempt from California Environmental Quality Act; approve the plans and specifications for the Shafter Aquatics Center - Modular Building (#PF00004); and authorize release of said plans and specifications for public bidding.

BACKGROUND

Among the top priority capital improvement projects for the City is a new and modern Shafter Aquatics Center, located at 269 Poso Avenue. One phase of the project, focused on replacing the pools, decks, and mechanical systems, is underway and should be completed by the end of 2024. The estimated total cost of this phase is \$3,500,000, a substantial portion of which is funded with a State and Federal grant.

Another phase of the project will replace the main building with a completely new one featuring restrooms, locker rooms, a concession stand, office space, and storage rooms totaling approximately 3,000 square feet. The design of the new building, based on direction from the Council, will facilitate modular construction with the intent of expediting completion and reducing costs. Ordiz-Melby Architects, Inc., is under contract with the City to prepare building construction plans, which are now ready to be released for bidding. The estimated value of this phase of the project is expected to exceed \$3,500,000, which requires formal bidding that the Council must authorize.

FISCAL IMPACT

There is no fiscal impact associated with this action at this time. Once bids are received and a construction contract is ready for award, any necessary budget actions will be presented to the City Council for approval.

CEQA ANALYSIS

This project is categorically exempt from the California Environmental Quality Act (CEQA) per Section 15302 (Class 2 – Replacement or Reconstruction) of the CEQA Guidelines because the project is the replacement of the Shafter Aquatic Center's main building with a new one that will be located on the same site and will have substantially the same purpose and capacity as the structure replaced.

APPROVED BY THE CITY ATTORNEY

CONSENT CALENDAR

Not Applicable

ATTACHMENTS

1. Shafter Aquatics Center Modular Building Plans

NEW AQUATICS CENTER BUILDING

FOR:

CITY OF SHAFTER

269 POSO AVENUE, SHAFTER, CALIFORNIA 93263

SHEETS IN SET 13

CODE REQUIREMENTS	GENERAL NOTES	ACCESSIBILITY STANDARDS	PROJECT DIRECTORY	SHEET INDEX																								
ALL DRAWINGS AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING CODES: TITLE 22 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS 2022 TITLE 24 CCR, PART 1 - 2022 BUILDING STANDARDS ADMINISTRATIVE CODE 2022 TITLE 24 CCR, PART 2 - 2022 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC) (2015 IBC, AS AMENDED BY CA) 2022 TITLE 24 CCR, PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC) (2014 NEC (NFPA), AS AMENDED BY CA) 2022 TITLE 24 CCR, PART 4 - 2022 CALIFORNIA MECHANICAL CODE (CMC) (2015 IAPMO UMC, AS AMENDED BY CA) 2022 TITLE 24 CCR, PART 5 - 2022 CALIFORNIA PLUMBING CODE (CPC) (2015 IAPMO UPC, AS AMENDED BY CA) 2022 TITLE 24 CCR, PART 6 - 2022 CALIFORNIA ENERGY CODE 2022 TITLE 24 CCR, PART 8 - 2022 CALIFORNIA HISTORICAL BUILDING CODE 2022 TITLE 24 CCR, PART 9 - 2022 CALIFORNIA FIRE CODE (CFC) (2015 IFC, AS AMENDED BY CA) 2022 TITLE 24 CCR, PART 10 - 2022 CALIFORNIA EXISTING BUILDING CODE (IEBC) (2015 INTERNATIONAL EXISTING BUILDING CODE, AS AMENDED BY CA) 2022 TITLE 24 CCR, PART 11 - 2022 GREEN BUILDING STANDARDS CODE (CALGREEN CODE) 2022 TITLE 24 CCR, PART 12 - 2022 CALIFORNIA REFERENCED STANDARDS PARTIAL LIST OF STANDARDS COMMONLY USED. FOR COMPLETE LIST AND YEAR OF EDITION ADOPTED, SEE 2016 CBC CH. 35 & 2016 CFC CH. 45: 2022 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED) 2019 NFPA 14, STANDPIPE & HOSE (CA AMENDED) 2022 NFPA 20, PUMPS FOR FIRE PROTECTION (CA AMENDED) 2022 NFPA 24, FIRE SERVICE MAINS (CA AMENDED) 2022 NFPA 72, FIRE ALARM CODE (CA AMENDED) NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT CONSTRUCTION IN CONFLICT WITH THE REQUIREMENTS OF ANY CODE, LAW, ORDINANCE, OR REGULATION. THE FOLLOWING AGENCIES SHALL HAVE JURISDICTION OVER THE PROGRESS OF THE WORK: CITY OF SHAFTER: FIRE DEPARTMENT PUBLIC WORKS DEPARTMENT	1. THE DRAWINGS, IDEAS AND DESIGNS REPRESENTED HEREIN ARE THE PROPERTY OF THE ARCHITECT. 2. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO CONVEY AN OVERALL DESCRIPTION OF THE PROJECT IN SUFFICIENT DETAIL FOR ITS COMPLETE CONSTRUCTION. SOME CONDITIONS, WHICH ARE COMMONLY ENCOUNTERED IN CONSTRUCTION OF THIS TYPE AND/OR CONDITIONS WHICH RELATE TO SPECIFIC PRODUCTS OR PROCESSES, MAY NOT BE SPECIFICALLY DETAILED IN THESE PLANS. ALL CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED COMPLETELY PER THE CURRENT STANDARDS OF THE APPROPRIATE INDUSTRY AND ANY APPLICABLE MANUFACTURER'S RECOMMENDATIONS. 3. NOTHING IN THE PLANS AND SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT CONSTRUCTION IN CONFLICT WITH THE REQUIREMENTS OF ANY CODE, LAW ORDINANCE OR REGULATION. 4. "TYPICAL" MEANS IDENTICAL FOR ALL SAME CONDITIONS UNLESS OTHERWISE NOTED. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLAN WITH THE ARCHITECT. 5. OTHERWISE NOTED. ALL PARTITIONS ARE DIMENSIONED TO CENTERLINE UNLESS 6. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT APPROVAL OF THE ARCHITECT, UNLESS OTHERWISE NOTED (*). 7. DO NOT SCALE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL DIMENSIONS. 8. ALL HEIGHTS ARE DIMENSIONED FROM TOP OF EXISTING SLAB UNLESS NOTED OTHERWISE "AFF", ABOVE FINISH FLOOR. 9. ALL WORK SHALL BE SCHDULED AND PERFORMED SO AS NOT TO DISTURB OR CAUSE DAMAGE TO ADJACENT PROPERTIES. 10. ALL REVISIONS TO THE APPROVED PLANS, NO MATTER HOW MINOR, MUST BE APPROVED BY BOTH THE CITY PLANNING DEPARTMENT AND BUILDING INSPECTION DEPARTMENT, AS WELL AS THE ARCHITECT AND THE OWNER. 11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONSFOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION. IF THERE ARE ANY QUESTIONS REGARDING THESE OR OTHER COORDINATION QUESTIONS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH WORK OR RELATED WORK IN QUESTION. 12. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINATE THE LAYOUT AND EXACT LOCATION OF ALL PARTITIONS, DOORS, PLUMBING, MECHANICAL, ELECTRICAL AND FIRE PROTECTION EQUIPMENT IN THE FIELD BEFORE PROCEEDING WITH CONSTRUCTION. 13. THE GENERAL CONTRACTOR SHALL FURR ALL COLUMNS TO THEIR MINIMUM POSSIBLE DIMENSIONS, U.N.O. 14. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE PROJECT AND SHALL BE RESPONSIBLE FOR DISIPLINE OF ALL WORKERS ON THE PROJECT. 15. ALL DECORATIVE MATERIALS AND TRIM SHALL COMPLY WITH CALIFORNIA BUILDING CODE, SECTION 806.1 16. JOINTS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER STRIPPED OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION PER CEC 110.7	DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCION DOCUMENTS. ANY NON COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FIND OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT 1. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44 INCHES ABOVE FLOOR. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATION BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP AND TURN OPENING HARDWARE. LOCKED EXIT DOORS SHALL OPERATE AS ABOVE IN EGRESS DIRECTION. 2. MAXIMUM EFFORT TO OPERATE SHALL NOT EXCEED 5 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS WHEN FIRE DOORS ARE REQUIRED. THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS. 3. CONSTRUCTION: THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAMES ARE USED, A 10" HIGH SMOOTH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR, WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. 4. FOR HINGED DOORS, THE OPENING WIDTH SHALL BE MEASURED WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. AT LEAST ONE OF A PAIR OF DOORS SHALL MEET THIS OPENING WIDTH REQUIREMENT. 5. IN ADDITION TO ALL LOCAL CODES, ACCESSIBILITY REQUIREMENTS SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE, TITLE 24, AS WELL AS FEDERAL A.D.A., (AMERICANS WITH DISABILITIES ACT).	ARCHITECT Ordiz Melby Architects, Inc. 5500 Ming Avenue, Suite 280 Bakersfield, CA 93309 Phone: (661) 832-5258 Fax: (661) 832-4219 Jeannie Bertolacini	GENERAL INFORMATION <table><tr><td>G-001</td><td>GENERAL INFORMATION</td></tr></table> ARCHITECTURAL DRAWINGS <table><tr><td>A-120</td><td>SIGNAGE PLAN</td></tr><tr><td>A-121</td><td>FLOOR PLAN AND DIMENSION FLOOR PLAN</td></tr><tr><td>A-122</td><td>FLOOR PLAN-ENLARGED</td></tr><tr><td>A-131</td><td>REFLECTED CEILING PLAN AND ROOF PLAN</td></tr><tr><td>A-221</td><td>EXTERIOR ELEVATIONS</td></tr><tr><td>A-231</td><td>INTERIOR ELEVATIONS</td></tr><tr><td>A-232</td><td>INTERIOR ELEVATIONS</td></tr><tr><td>A-233</td><td>INTERIOR ELEVATIONS</td></tr><tr><td>A-234</td><td>INTERIOR ELEVATIONS</td></tr><tr><td>A-501</td><td>DETAILS</td></tr><tr><td>A-502</td><td>DETAILS</td></tr></table>	G-001	GENERAL INFORMATION	A-120	SIGNAGE PLAN	A-121	FLOOR PLAN AND DIMENSION FLOOR PLAN	A-122	FLOOR PLAN-ENLARGED	A-131	REFLECTED CEILING PLAN AND ROOF PLAN	A-221	EXTERIOR ELEVATIONS	A-231	INTERIOR ELEVATIONS	A-232	INTERIOR ELEVATIONS	A-233	INTERIOR ELEVATIONS	A-234	INTERIOR ELEVATIONS	A-501	DETAILS	A-502	DETAILS
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A-501	DETAILS																											
A-502	DETAILS																											
			CONSTRUCTION TYPE: TYPE V-B OCCUPANCY TYPE: A-3 BUILDING HEIGHT: +18'-2" STORIES: 1 STORY PROJECT AREA: TOTAL BUILDING AREA: = 3125 SF FIRE SPRINKLERS: NO																									
FIRE PROTECTION			PROJECT INFORMATION																									
1. PROVIDE ONE 4A, 10 B.C. RATED EXTINGUISHER FOR EACH 6,000 SQUARE FEET OR PORTION THEREOF ON EACH FLOOR - TRAVEL DISTANCE SHALL NOT EXCEED 75 FEET. 2. FIRE DAMPER ASSEMBLIES, INCLUDING SLEEVES AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION.																												
EXIT REQUIREMENTS	SCOPE OF WORK	VICINITY MAP																										
1. ALL EXITS SHALL BE OPENABLE DURING BUSINESS HOURS FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE. NO DEAD OR SLIDING BOLTS. NO LATCH OR LATCHING DEVICE EXCEPT PANIC HARDWARE PERMITTED. 2. EXIT SIGNS MUST BE INTERNALLY ILLUMINATED. 3. PROVIDE TWO SEPARATE CIRCUITS FOR EXIT SIGNS. 4. PROVIDE TWO SEPARATE SOURCES OF POWER FOR EXIT SIGNS.	FABRICATION AND INSTALLATION OF (1) 25'-0" x 125'-0" (3125 S.F.) MODULAR BUILDING.	W TULARE AVE COLVARD STREET POS0 AVENUE N WALL STREET N VALLEY STREET SHAFTER AVENUE LERDO HIGHWAY CENTRAL VALLEY HIGHWAY 43 PROJECT LOCATION N CITY OF SHAFTER AQUATIC CENTER 269 POSO AVE, SHAFTER, CA 93263 NTS																										

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NEW AQUATICS CENTER BUILDING

AT

269 POSO AVE
SHAFTER, CA 93263

FOR:



MARK	DATE	DESCRIPTION

JOB NUMBER:
2361.00

CAD DRAWING FILE:
2361 COS Aquatic Center-Modular CD27
DRAWN BY:
A.S.
CHECKED BY:
I.A.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT.
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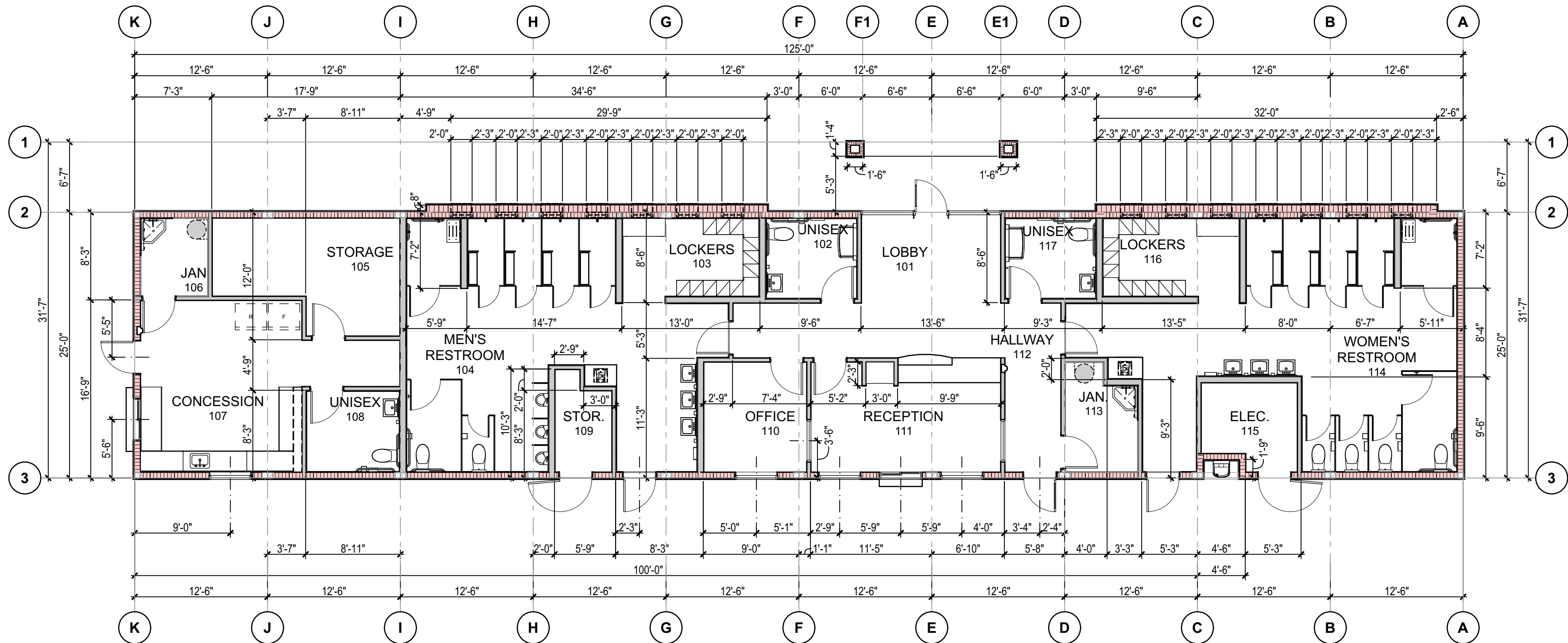
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SHEET TITLE

GENERAL INFORMATION

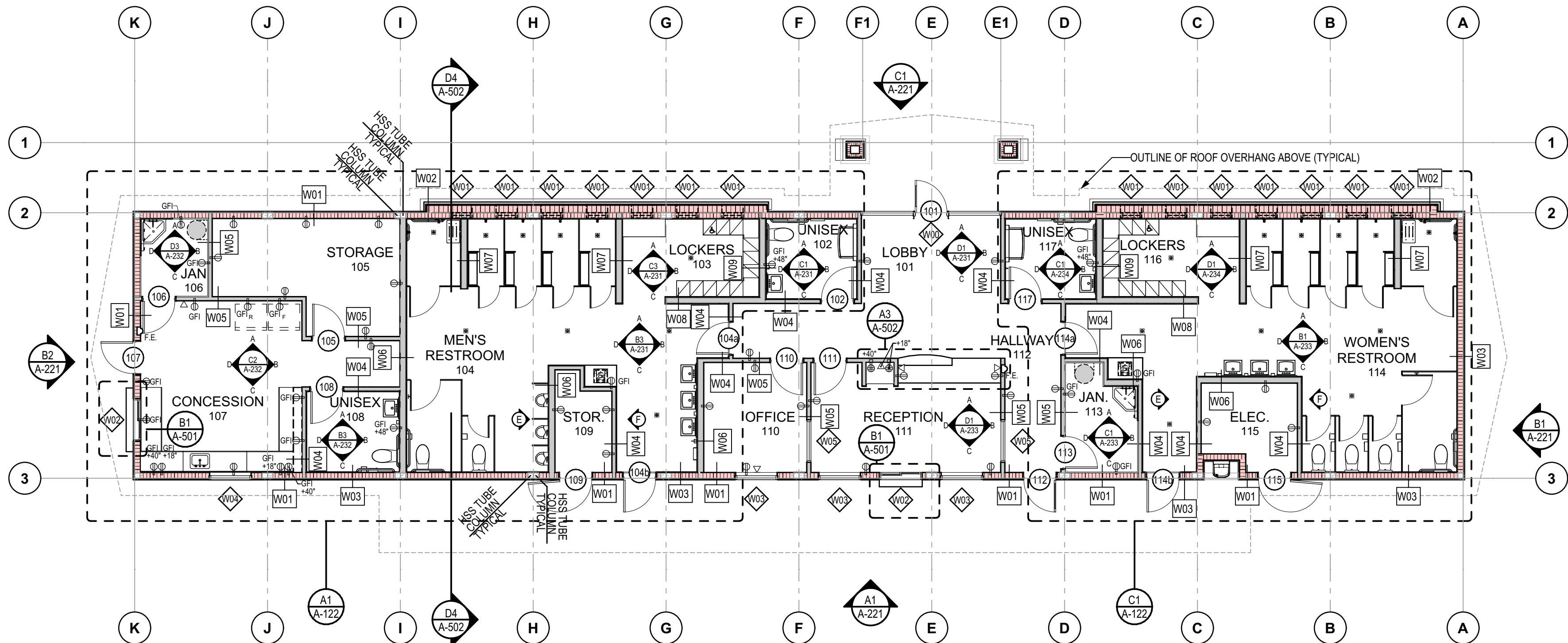
SHEET IDENTIFICATION NUMBER

G-001



C1 FLOOR PLAN DIMENSIONS

SCALE: 1/8" = 1'-0"



A1 FLOOR PLAN

SCALE: 1/8" = 1'-0"

SYMBOL LEGEND

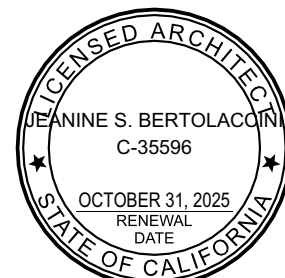
- LOBBY 100 ROOM NAME
100 ROOM NUMBER
- DOOR SYMBOL
ROOM NUMBER
DOOR NUMBER
PANIC HARDWARE INDICATOR
- WINDOW SYMBOL
SEE WINDOW SCHEDULE ON A-601
- INTERIOR ELEVATION SYMBOL
ELEVATION ORIENTATION
LOCATION ON SHEET
SHEET NUMBER
- EXTERIOR ELEVATION SYMBOL
LOCATION ON SHEET
SHEET NUMBER
- SECTION SYMBOL
LOCATION ON SHEET
SHEET NUMBER
- DETAIL SYMBOL
LOCATION ON SHEET
SHEET NUMBER
- FLOOR DRAIN - SLOPE FLOOR TO DRAIN
- DUPLEX OUTLET (+18" A.F.F. UNLESS OTHERWISE NOTED)
- QUADPLEX OUTLET (+18" A.F.F. UNLESS OTHERWISE NOTED)
- DATA (+18" A.F.F. UNLESS OTHERWISE NOTED)
- FIRE EXTINGUISHER IN RECESSED CABINET
- # GRID LINE - FACE OF STUD
- # GRID LINE - MODULE LINE

WALL LEGEND

ID	VIEW	WALL DESCRIPTION
W01		ELASTOMERIC FINISH, FIBERGLASS MAT GYPSUM SHEATHING, PLYWOOD SHEATHING, 6" METAL STUDS AT 16" O.C. WITH THERMAL INSULATION, 5/8" TYPE X GYPSUM BOARD
W02		ELASTOMERIC FINISH, FIBERGLASS MAT GYPSUM SHEATHING, PLYWOOD SHEATHING, 8" METAL STUDS AT 16" O.C. WITH THERMAL INSULATION, 6" METAL STUD FURRING AT 16" O.C. WITH THERMAL INSULATION, TILE BACKERBOARD, TILE
W03		ELASTOMERIC FINISH, FIBERGLASS MAT GYPSUM SHEATHING, PLYWOOD SHEATHING, 6" METAL STUDS AT 16" O.C. WITH SOUND INSULATION, TILE BACKERBOARD, TILE
W04		INTERIOR FINISH, 3/58" METAL STUDS AT 16" O.C. WITH SOUND INSULATION, TILE BACKERBOARD, TILE
W05		INTERIOR FINISH, 3/58" METAL STUDS 16" O.C. WITH SOUND INSULATION, INTERIOR FINISH
W06		INTERIOR FINISH, 6" METAL STUDS AT 16" O.C. WITH SOUND INSULATION, TILE BACKERBOARD, TILE
W07		TILE, TILE BACKERBOARD, 6" METAL STUDS AT 16" O.C. (PARTIAL HEIGHT: 7'-0") WITH SOUND INSULATION, TILE BACKERBOARD, TILE
W08		INTERIOR FINISH, 6" METAL STUDS AT 16" O.C. (PARTIAL HEIGHT: 7'-0") WITH SOUND INSULATION, INTERIOR FINISH
W09		TILE, TILE BACKERBOARD, 6" METAL STUDS AT 16" O.C. WITH SOUND INSULATION, TILE BACKERBOARD, TILE

NOTES:

- REFER TO EXTERIOR ELEVATIONS FOR EXTENT AND TYPE OF EXTERIOR FINISHES
- REFER TO INTERIOR ELEVATIONS FOR EXTENT AND TYPE OF INTERIOR FINISHES



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NEW AQUATICS CENTER BUILDING

AT

269 POSO AVE
SHAFTER, CA 93263

FOR:



MARK	DATE	DESCRIPTION

JOB NUMBER:
2361.00

CAD DRAWING FILE:
2361 COS Aquatic Center-Modular CD27

DRAWN BY:
A.S.

CHECKED BY:
L.A.

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SHEET TITLE

FLOOR PLAN AND DIMENSION FLOOR PLAN

SHEET IDENTIFICATION NUMBER

A-121





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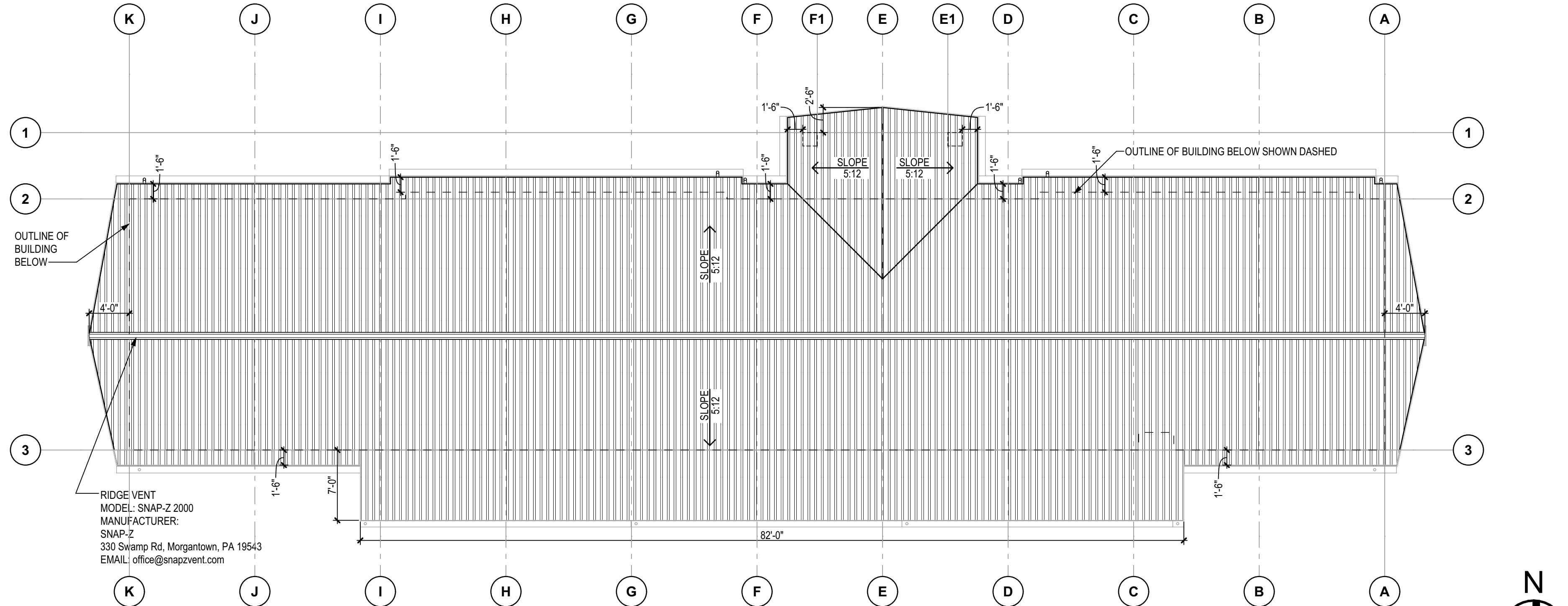
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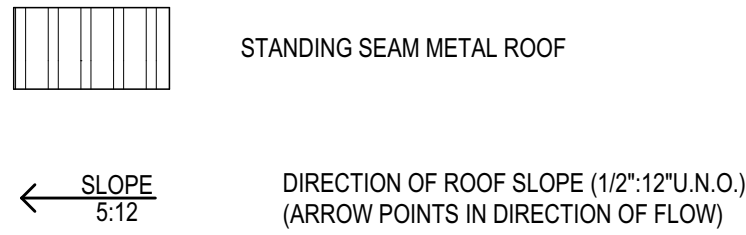
SHEET TITLE

FLOOR PLAN- ENLARGED

SHEET IDENTIFICATION NUMBER



ROOF LEGEND



ATTIC VENTILATION CALCULATION:

VENTILATION REQUIRED:

4277 SQUARE FEET x 144 = 615,888 SQUARE INCHES
615,888 / 150 = 4106 SQUARE INCHES

VENTILATION PROVIDED:

RIDGE VENT: 125 LINEAR FEET PROVIDED
125 FEET x 24 SQUARE INCHES = 3000 SQUARE INCHES PROVIDED

EAVE VENT: 356'-6" LINEAR FEET PROVIDED
356'-6" LFEET x 9 SQUARE INCHES = 3209 SQUARE INCHES PROVIDED

GABLE VENT: 495 SQUARE INCHES
495 SQUARE INCHES x (2) = 990 SQUARE INCHES

TOTAL:
7199 SQUARE INCHES > 4106 SQUARE INCHES = OKAY

C1 ROOF PLAN

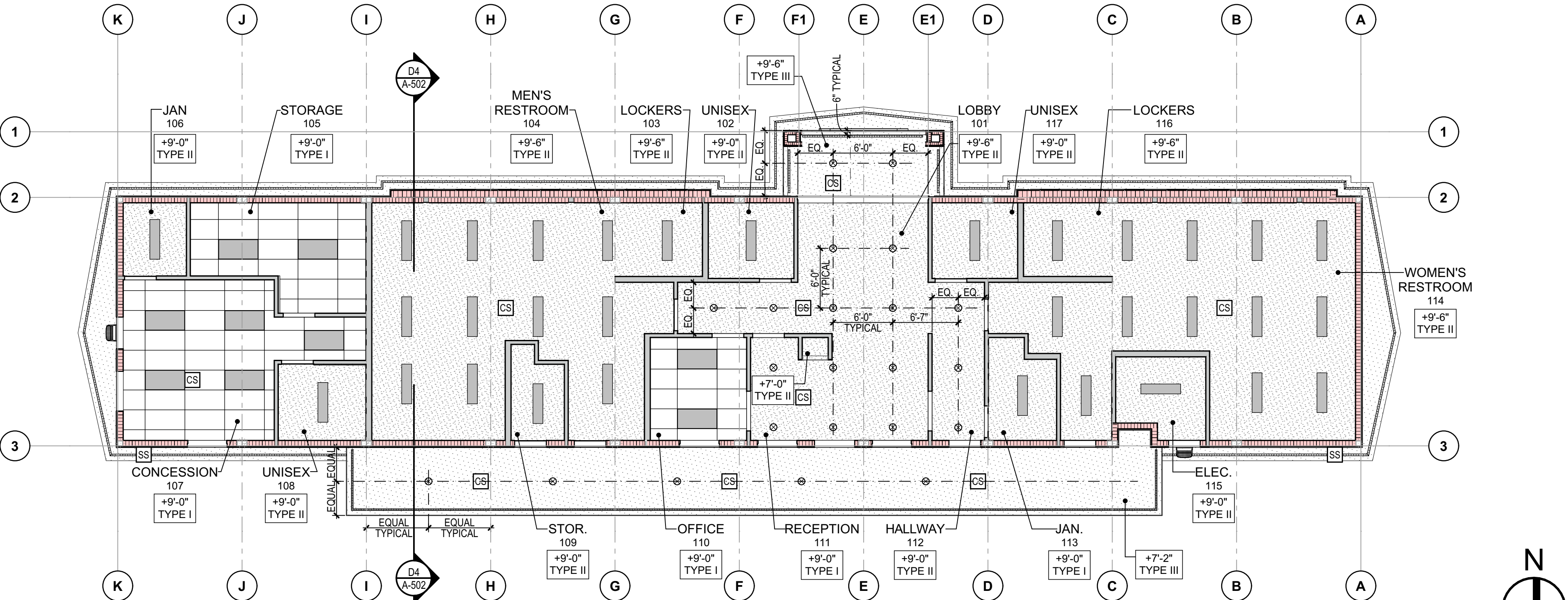
SCALE: 1/8" = 1'-0"

CEILING LEGEND

TYPE I		SUSPENDED 24"x48" T" BAR CEILING GRID WITH LAY-IN ACOUSTIC TILE UNITS. REFER TO SPECIFICATIONS
TYPE II		1/8" VENEER PLASTER OVER 5/8 TYPE X GYP BOARD OVER 2x C.J.
TYPE III		EXTERIOR PLASTER
		24"x48" RECESSED LIGHT FIXTURE IN CEILING GRID
		12"x48" SURFACE MOUNTED LIGHT FIXTURE
		MIRADA MEDIUM WALL SCONCE (XWM) OR APPROVED EQUAL
		CONTINUOUS SOFFIT VENT
		RECESSED CEILING SPEAKER. SEE SPECIFICATIONS
		SURFACE MOUNTED SPEAKER. SEE SPECIFICATIONS

NOTES:

- PROVIDE MECHANICAL SUPPLY, RETURNS, AND EXHAUST FANS AS REQUIRED PER THE MECHANICAL ENGINEER'S DESIGN IN ALL INTERIOR SPACES
- PROVIDE LIGHTING AS REQUIRED PER THE ELECTRICAL ENGINEER'S DESIGN IN ALL INTERIOR SPACES



A1 REFLECTED CEILING PLAN

SCALE: 1/8" = 1'-0"



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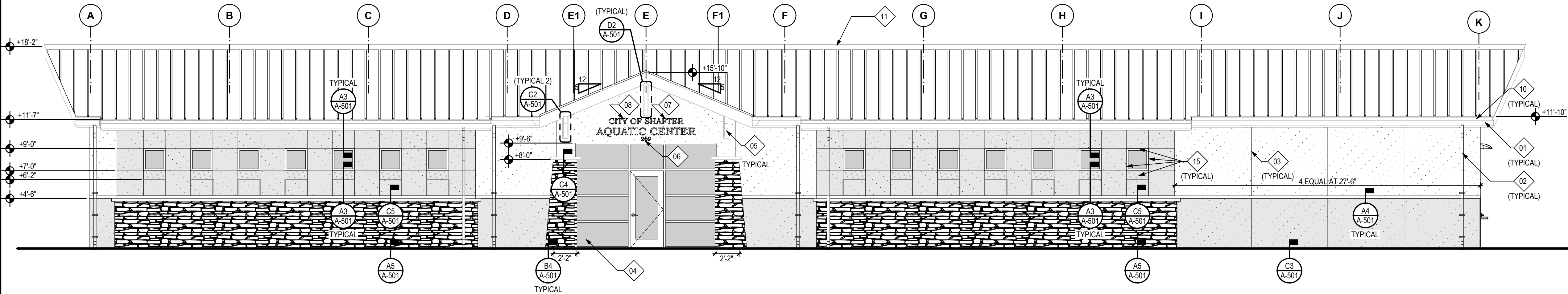
REFLECTED CEILING
PLAN AND ROOF
PLAN

SHEET IDENTIFICATION NUMBER

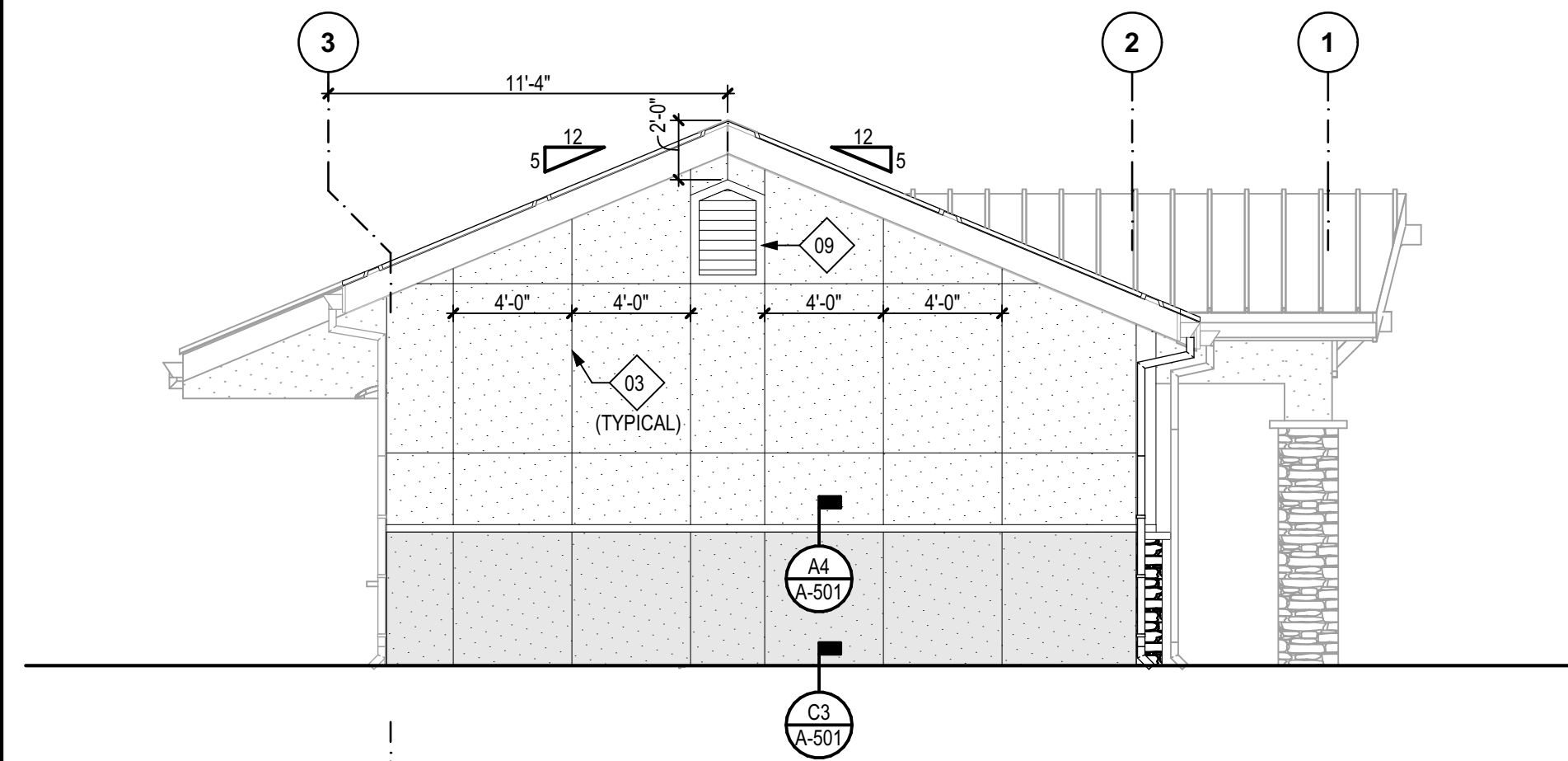
A-131

EXTERIOR ELEVATION KEYNOTES			
ID	DESCRIPTIONS	ID	DESCRIPTIONS
01	GUTTER. PAINT COLOR 4.	09	26" x 36" (31" x 40 3/4" FRAME SIZE) PEAKED TOP, FUNCTIONAL, PVC, GABLE VENT 5/12 PITCH. PAINT COLOR 5.
02	DOWNSPOUT. PAINT COLOR 4.	10	FASCIA. PAINT COLOR 4 (MATCH ROOF COLOR)
03	"V" GROOVE ELASTOMERIC STUCCO CONTROL JOINT. SEE SPECIFICATIONS	11	ROOF RIDGE CAP
04	STOREFRONT SYSTEM	12	CONCEALED GUTTER DOWNSPOUT
05	PVC OUTLOOKER. PAINT COLOR 5.	13	DRINKING FOUNTAIN WITH BOTTLE FILLER. SEE SPECIFICATIONS
06	4" TALL CAST ALUMINUM LETTERS. FONT BY ARCHITECT.	14	MIRADA MEDIUM WALL SCONCE (XWM) OR APPROVED EQUAL
07	8" TALL CAST ALUMINUM LETTERS. FONT BY ARCHITECT.	15	WINDOW INSET SURFACES. PAINT COLOR 6
08	6" TALL CAST ALUMINUM LETTERS. FONT BY ARCHITECT.	16	PASS THRU SHELF. SEE B1/A-501

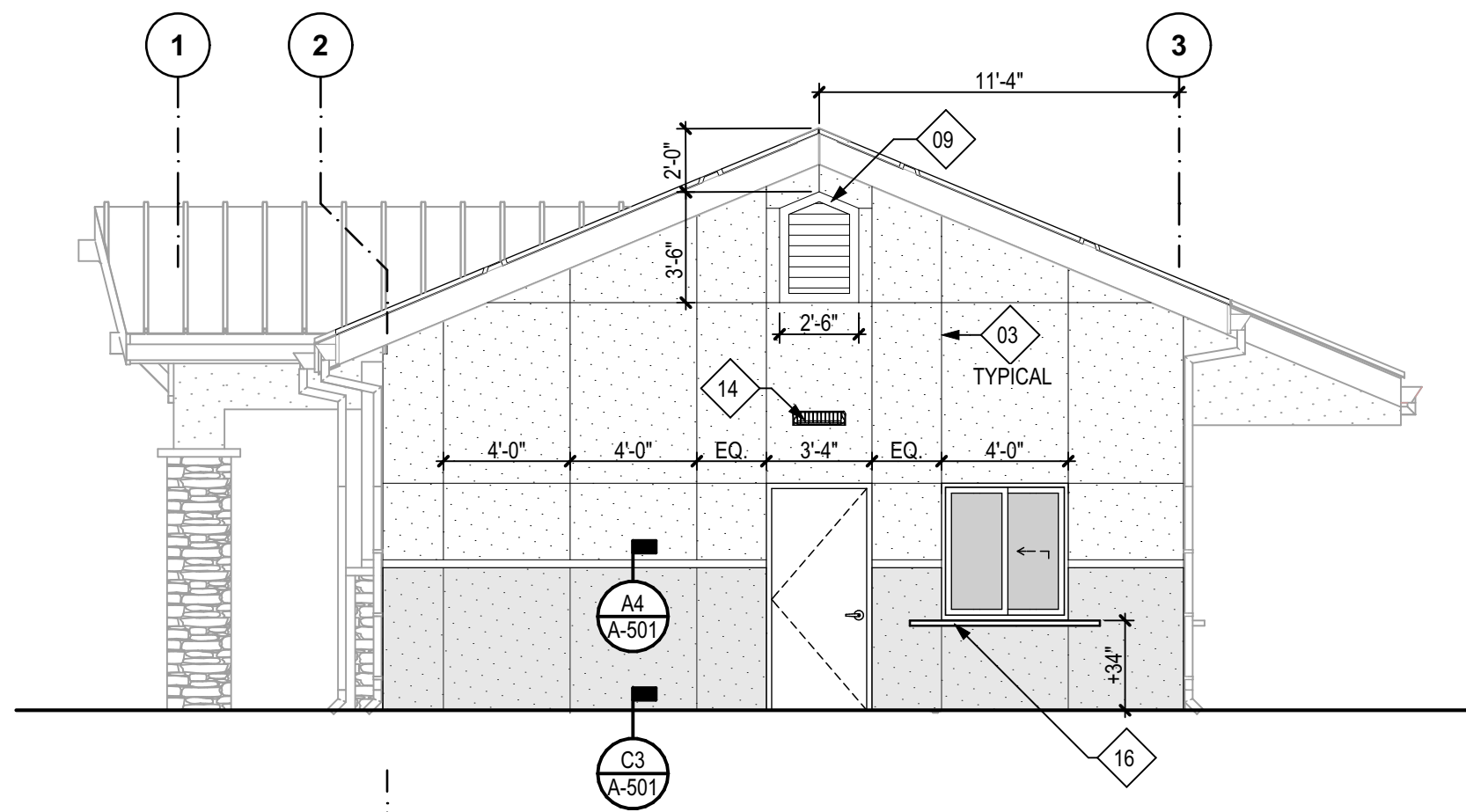
EXTERIOR ELEVATIONS LEGEND	
	STANDING SEAM METAL ROOF
	ELASTOMERIC FINISH-FIELD COLOR 1
	ELASTOMERIC FINISH-FIELD COLOR 2
	STONE WAINSCOT



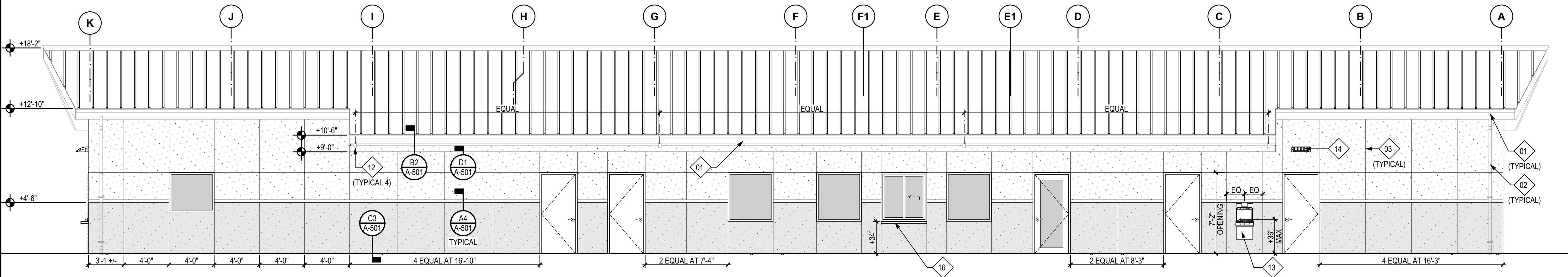
C1 NORTH ELEVATION
SCALE: 3/16" = 1'-0"



B1 EAST ELEVATION
SCALE: 3/16" = 1'-0"



B2 WEST ELEVATION
SCALE: 3/16" = 1'-0"



A1 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

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NEW AQUATICS CENTER BUILDING

AT

269 POSO AVE
SHAFTER, CA 93263

FOR:



MARK	DATE	DESCRIPTION

JOB NUMBER:
2361.00

CAD DRAWING FILE:
2361 COS Aquatic Center-Modular CD27
DRAWN BY:
A.S.
CHECKED BY:
L.A.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING
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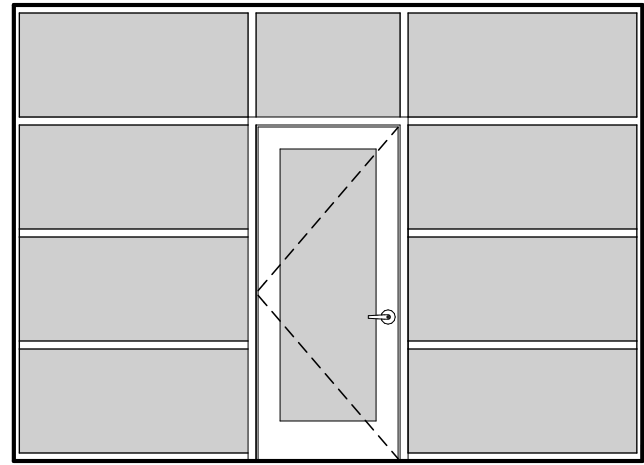
SHEET TITLE

EXTERIOR
ELEVATIONS

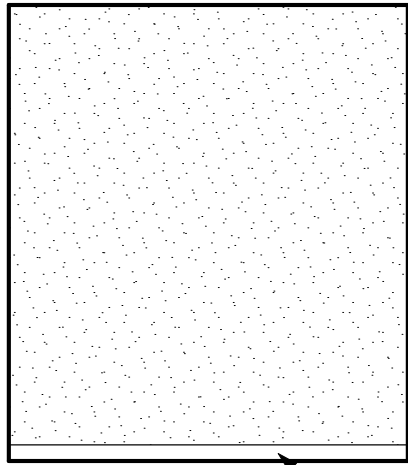
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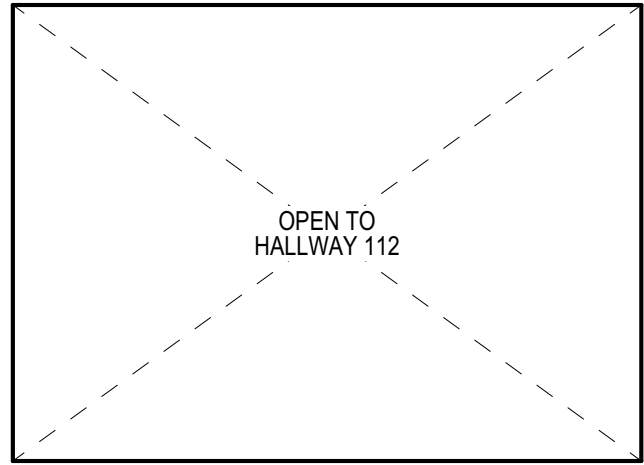
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User: jmelby



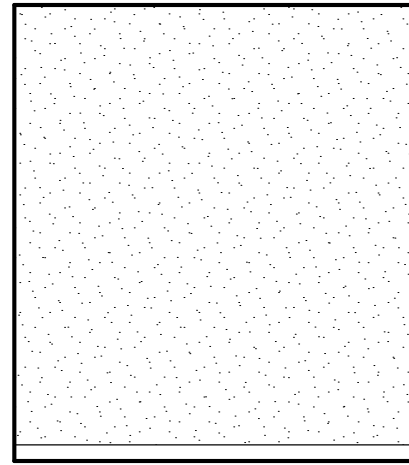
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B



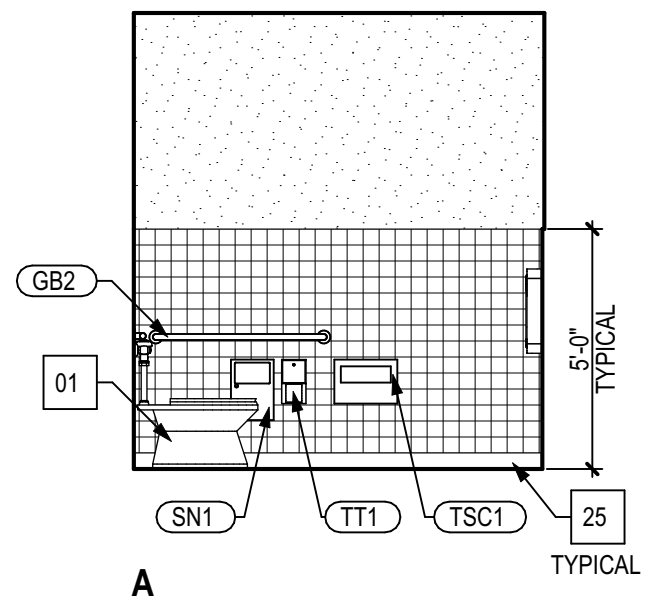
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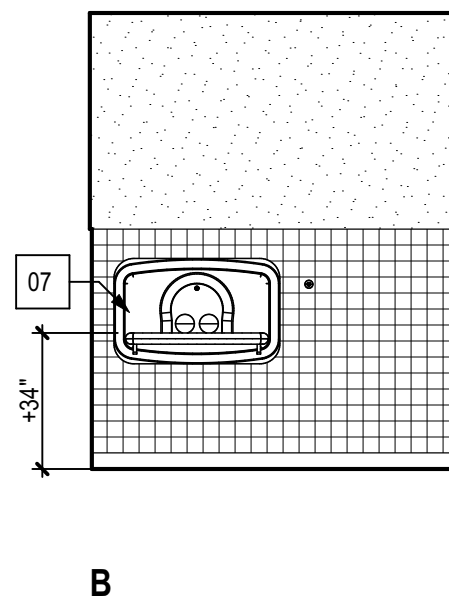
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D1 101 LOBBY

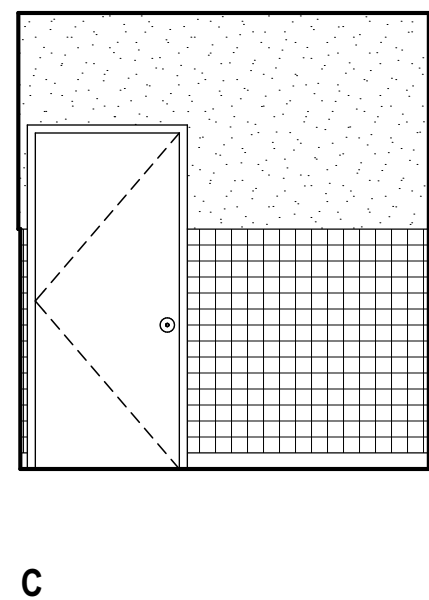
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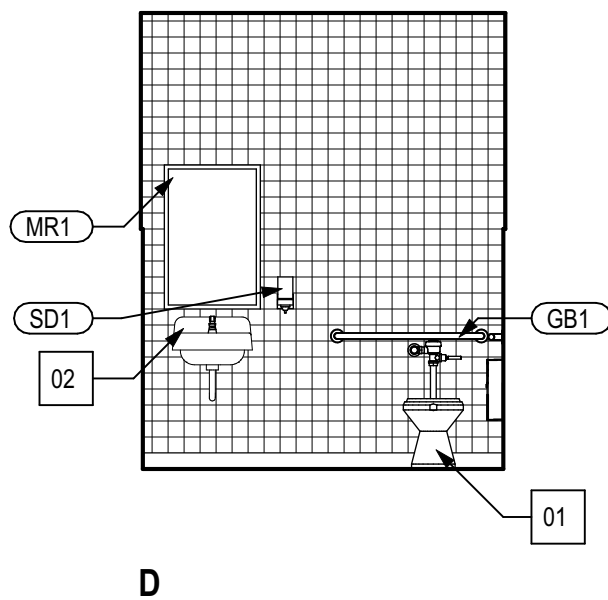
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B



C

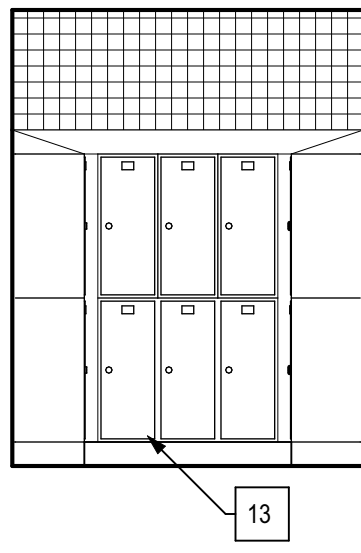


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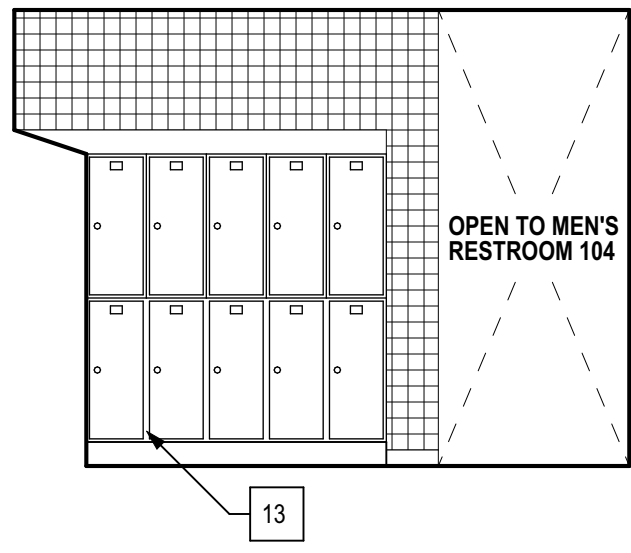
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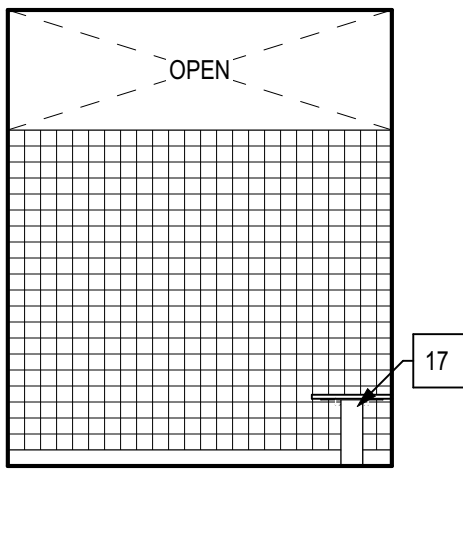
REFER TO DETAIL D3/A-501 FOR ACCESSIBLE MOUNTING HEIGHTS



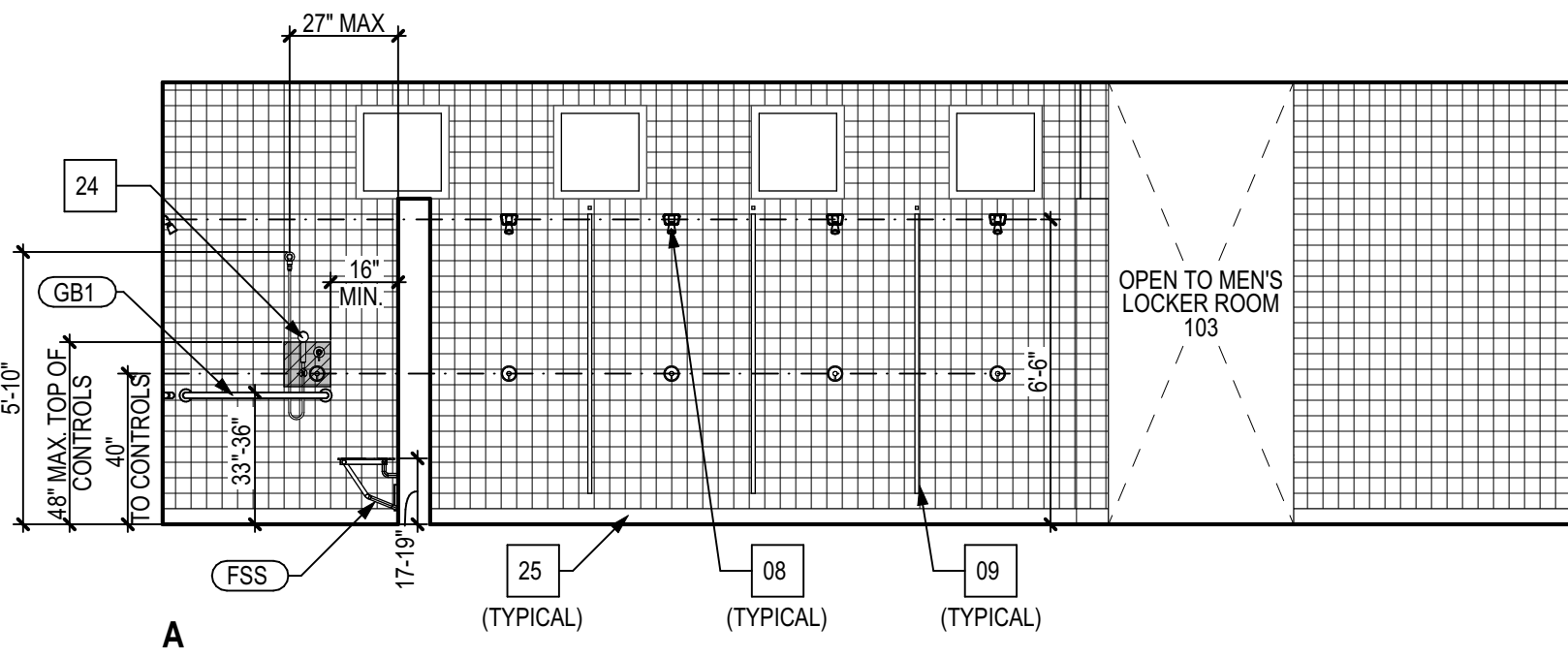
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C



D



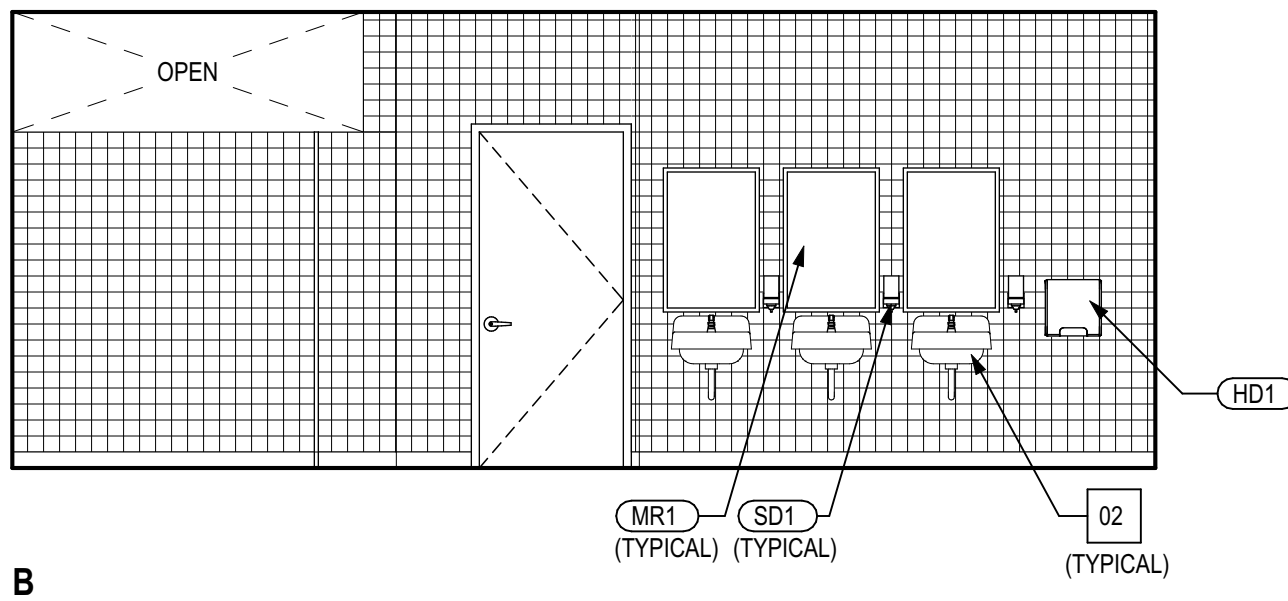
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C3 103 LOCKER ROOM

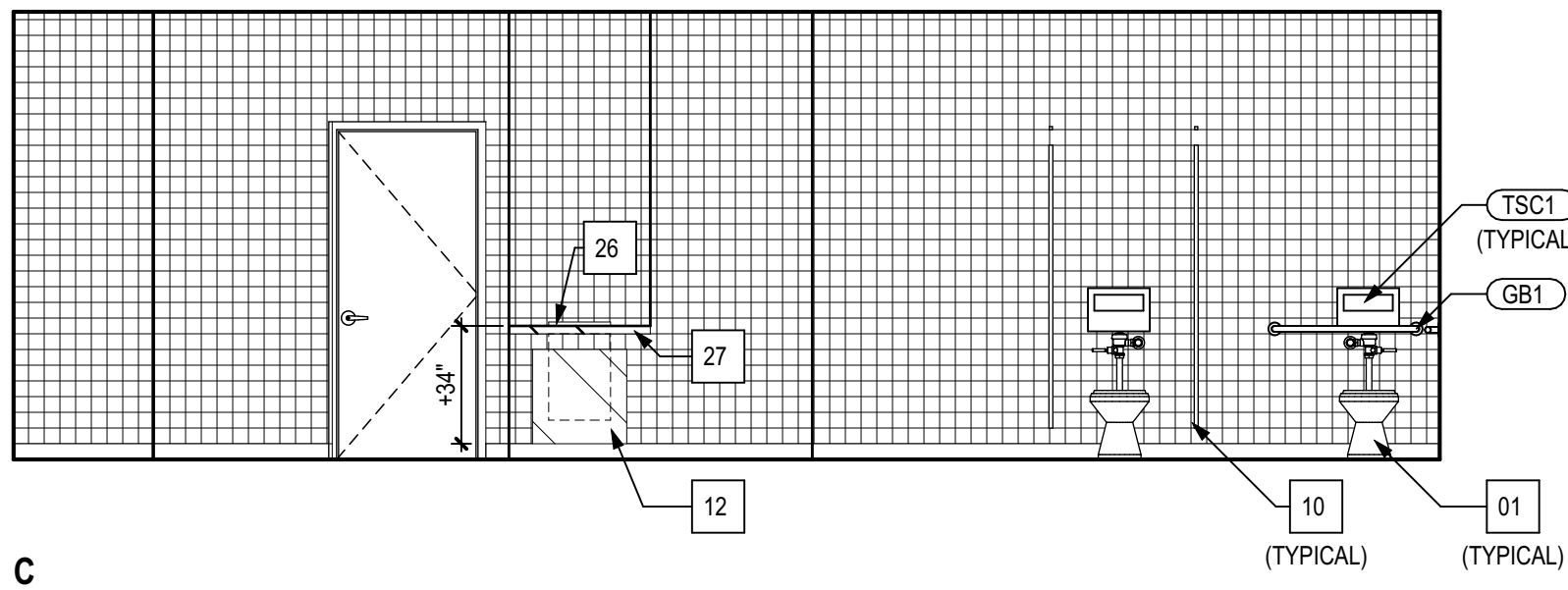
SCALE: 1/4" = 1'-0"

B1 103 LOCKER ROOM (CONTINUED)

SCALE: 1/4" = 1'-0"



B



C

A1 104 MEN'S RESTROOM (CONTINUED)

SCALE: 1/4" = 1'-0"

REFER TO DETAIL D3/A-501 FOR ACCESSIBLE MOUNTING HEIGHTS

INTERIOR ELEVATIONS LEGEND

	PAINTED 5/8" TYPE "X" GYPSUM BOARD. COLOR TO BE SELECTED BY ARCHITECT
	CERAMIC TILE OVER THINSET OVER 5/8" CEMENTIOUS BACKERBOARD

ACCESSORY SCHEDULE

ID	DESCRIPTION
CH1	ROBE HOOK
FSS	FOLDING SHOWER SEAT
GB1	36" GRAB BAR
GB2	42" GRAB BAR
GB3	18" GRAB BAR
HD1	HAND DRYER
MH1	MOP HOLDER
MR1	MIRROR WITH STAINLESS STEEL FRAME
SD1	SOAP DISPENSER
SN1	SANITARY NAPKIN WASTE
TSC1	TOILET SEAT COVER DISPENSER

INTERIOR ELEVATIONS KEYNOTES

ID	DESCRIPTION
01	WATER CLOSET
02	LAVATORY
03	URINAL
04	MOP SINK
05	UTILITY FAUCET
06	WATER HEATER
07	KOALA CARE KB310-SSWM CHANGING STATION OR APPROVED EQUAL
08	FIXED SHOWER HEAD
09	SHOWER PARTITION
10	TOILET PARTITION
11	URINAL SCREEN
12	2'-0" x 2'-0" STAINLESS STEEL LOCKABLE ACCESS PANEL
13	18" DEEP X 15" WIDE DOUBLE TIER METAL LOCKER. SEE SPECIFICATIONS
14	ACCESSIBLE LOCKER. SEE SPECIFICATIONS
15	SLOPED LOCKER TOP
16	CONCRETE BASE
17	1'-8" x 4'-0" ACCESSIBLE FIXED BENCH. SEE SPECIFICATIONS
18	24"x 48" STAINLESS STEEL WORK TABLE WITH UNDERSHELF
19	24"x 60" STAINLESS STEEL WORK TABLE WITH UNDERSHELF
20	24"x 72" STAINLESS STEEL WORK TABLE WITH UNDERSHELF
21	24"x 72" STAINLESS STEEL WORK TABLE WITH SINK (RIGHT SIDE)
22	10"x 96" STAINLESS STEEL WALL MOUNTED SHELF
23	24"x 72" STAINLESS STEEL WORK TABLE WITH OPEN BASE
24	ACCESSIBLE HANDHELD SHOWER FAUCET
25	4" SPEED COVE PRECAST WALL BASE (OR APPROVED EQUAL)
26	SWIMSUIT DRYER (FURNISHED BY OWNER), PROVIDE UTILITIES
27	SOLID SURFACE COUNTERTOP
28	LOCKABLE TALL CABINET

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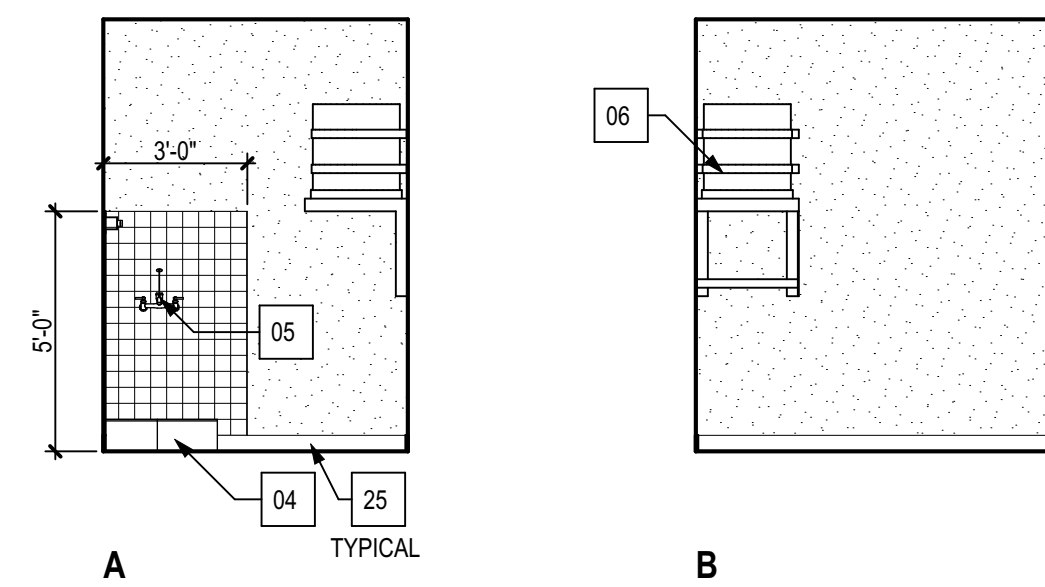
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SHEET TITLE

INTERIOR
ELEVATIONS

SHEET IDENTIFICATION NUMBER

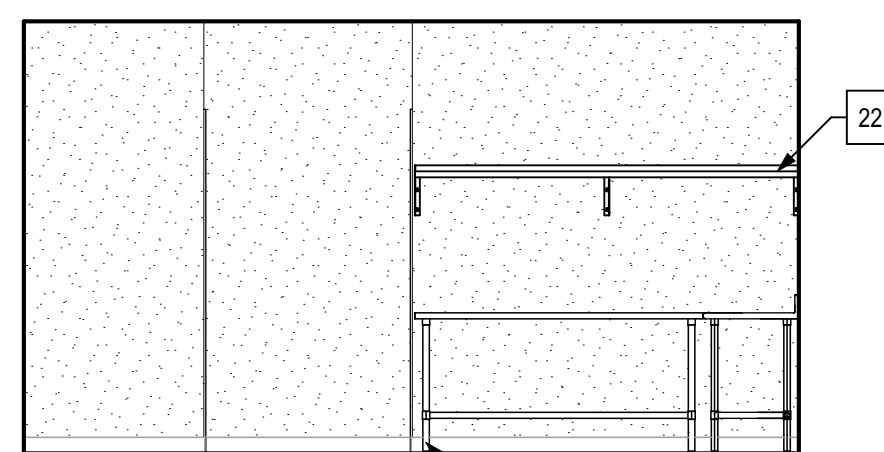
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REFER TO DETAIL D3/A-501 FOR ACCESSIBLE MOUNTING HEIGHTS

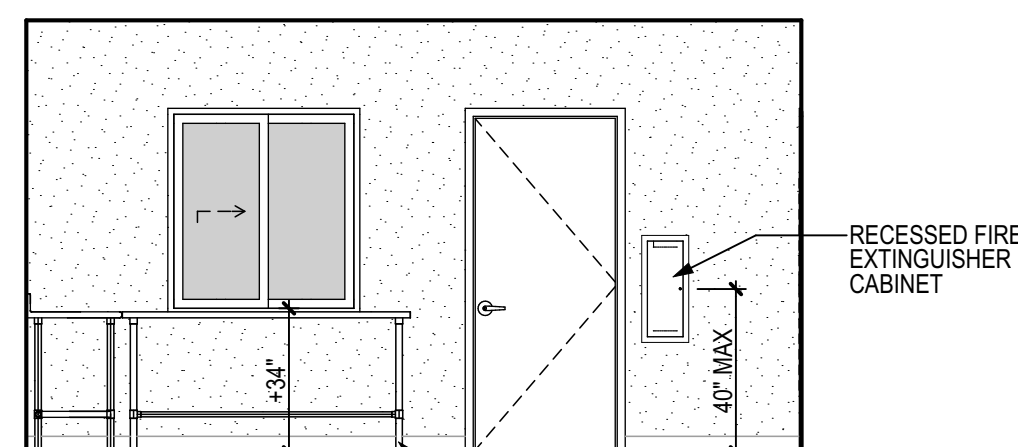
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SCALE: 1/4" = 1'-0"



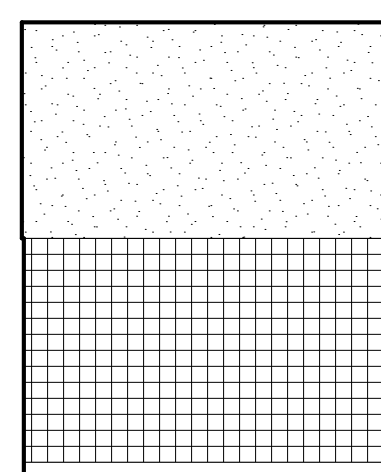
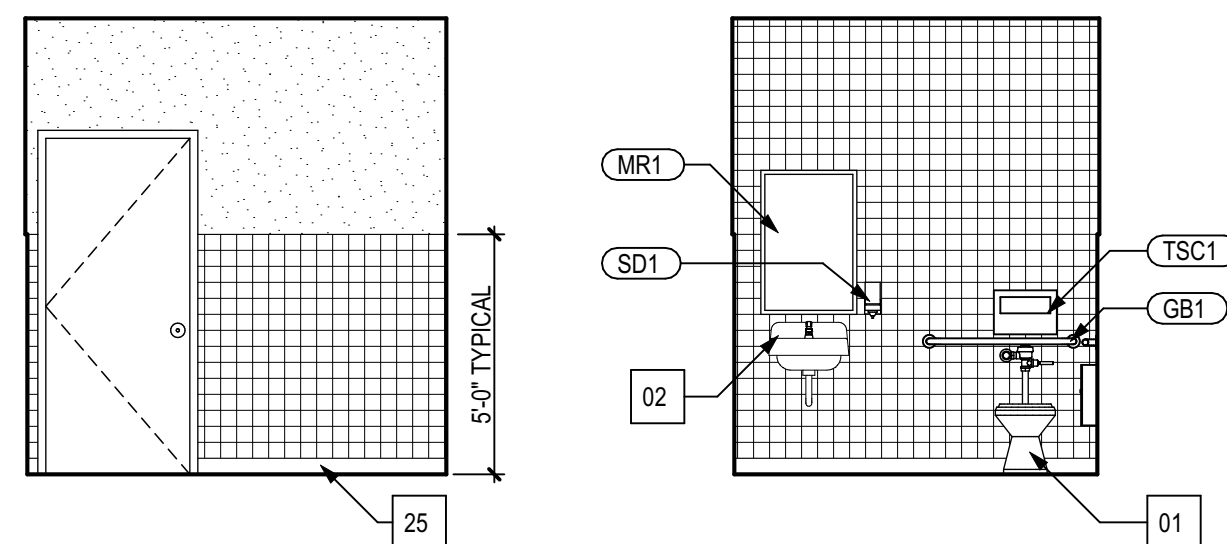
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SCALE: 1/4" = 1'-0"



SCALE: 1/4" = 1'-0"

SCALE: 1/4" = 1'-0"

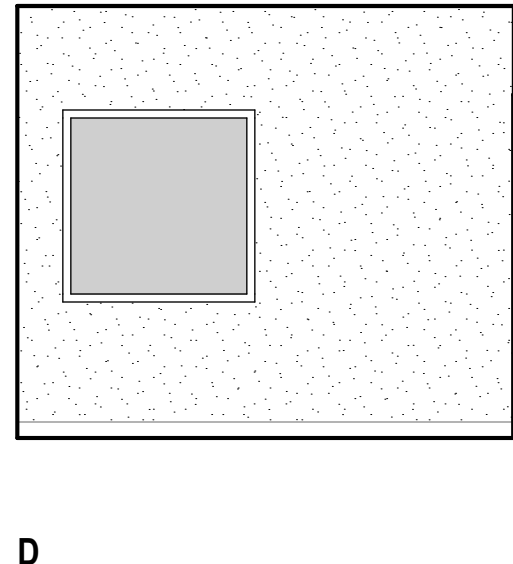
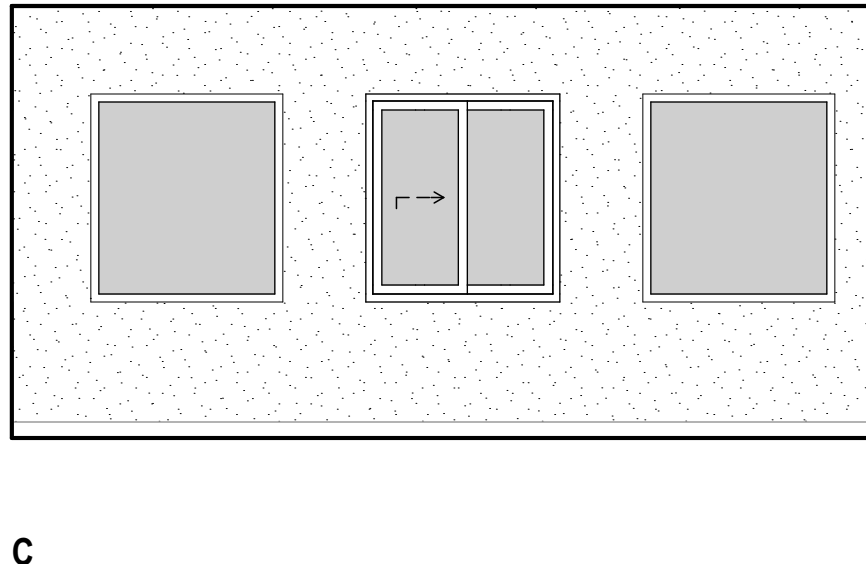
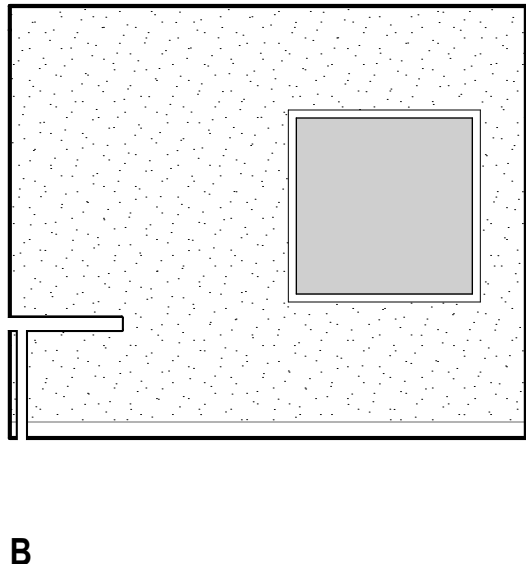
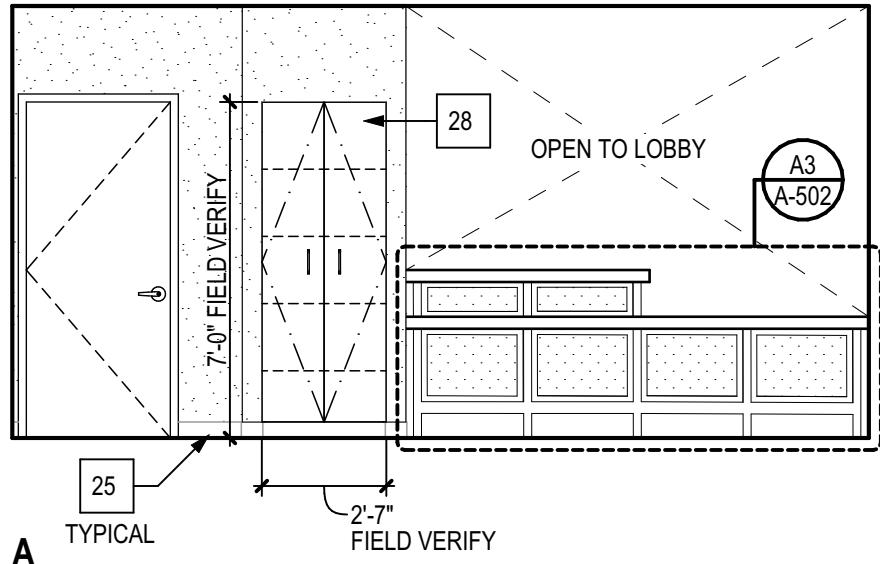


REFER TO DETAIL D3/A-501 FOR ACCESSIBLE MOUNTING HEIGHTS

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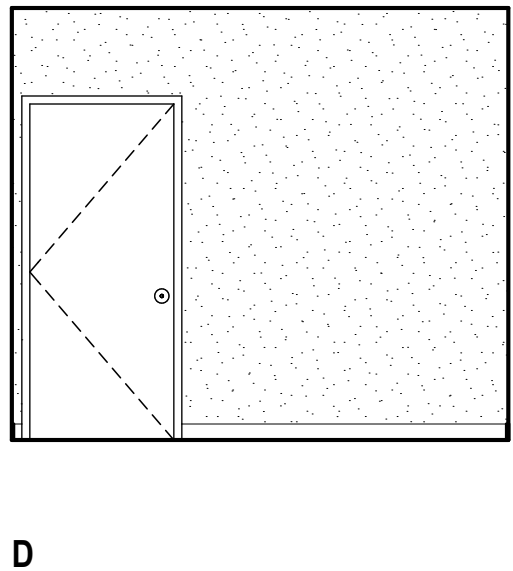
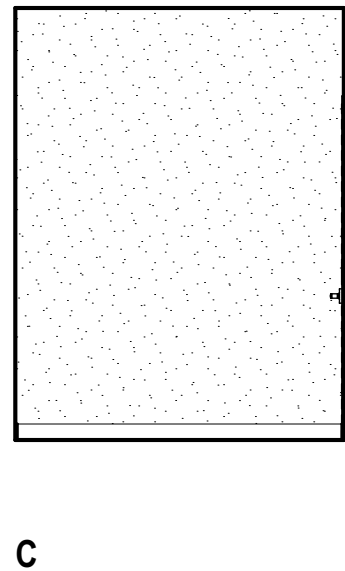
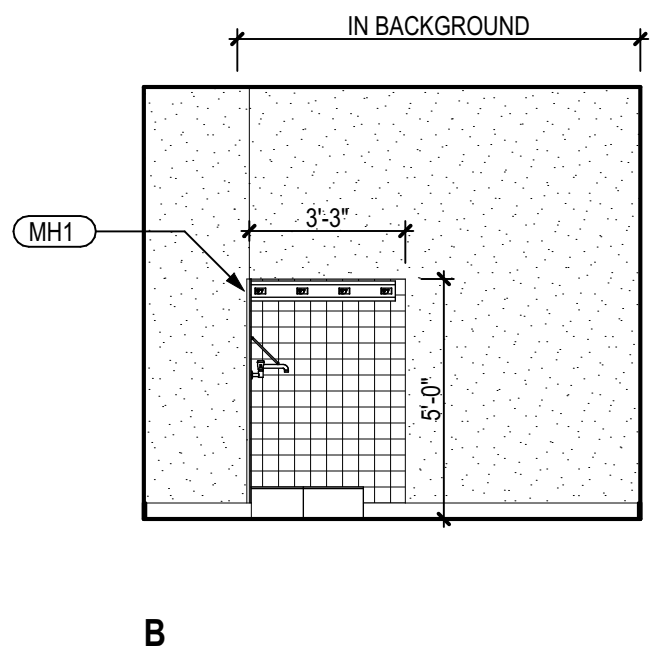
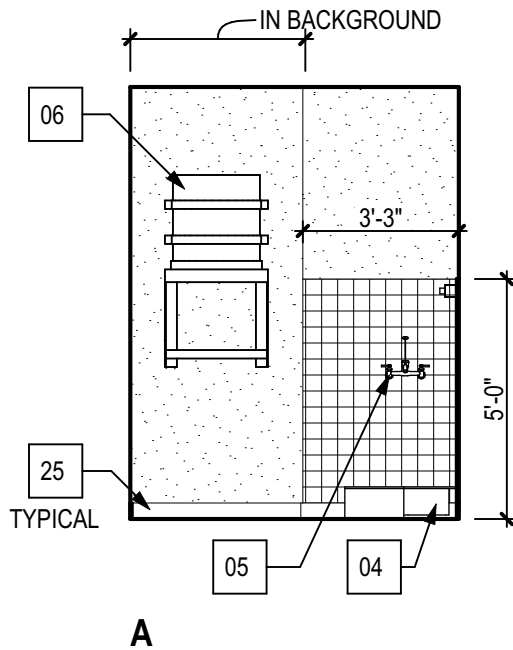
INTERIOR ELEVATIONS KEYNOTES	
ID	DESCRIPTION
01	WATER CLOSET
02	LAVATORY
03	URINAL
04	MOP SINK
05	UTILITY FAUCET
06	WATER HEATER
07	KOALA CARE KB310-SSWM CHANGING STATION OR APPROVED EQUAL
08	FIXED SHOWER HEAD
09	SHOWER PARTITION
10	TOILET PARTITION
11	URINAL SCREEN
12	2'-0" x 2'-0" STAINLESS STEEL LOCKABLE ACCESS PANEL
13	18" DEEP X 15" WIDE DOUBLE TIER METAL LOCKER. SEE SPECIFICATIONS
14	ACCESSIBLE LOCKER. SEE SPECIFICATIONS
15	SLOPED LOCKER TOP
16	CONCRETE BASE
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22	10"x 96" STAINLESS STEEL WALL MOUNTED SHELF
23	24"x 72" STAINLESS STEEL WORK TABLE WITH OPEN BASE
24	ACCESSIBLE HANDHELD SHOWER FAUCET
25	4" SPEED COVE PRECAST WALL BASE (OR APPROVED EQUAL)
26	SWIMSUIT DRYER (FURNISHED BY OWNER). PROVIDE UTILITIES
27	SOLID SURFACE COUNTERTOP
28	LOCKABLE TALL CABINET

A-232



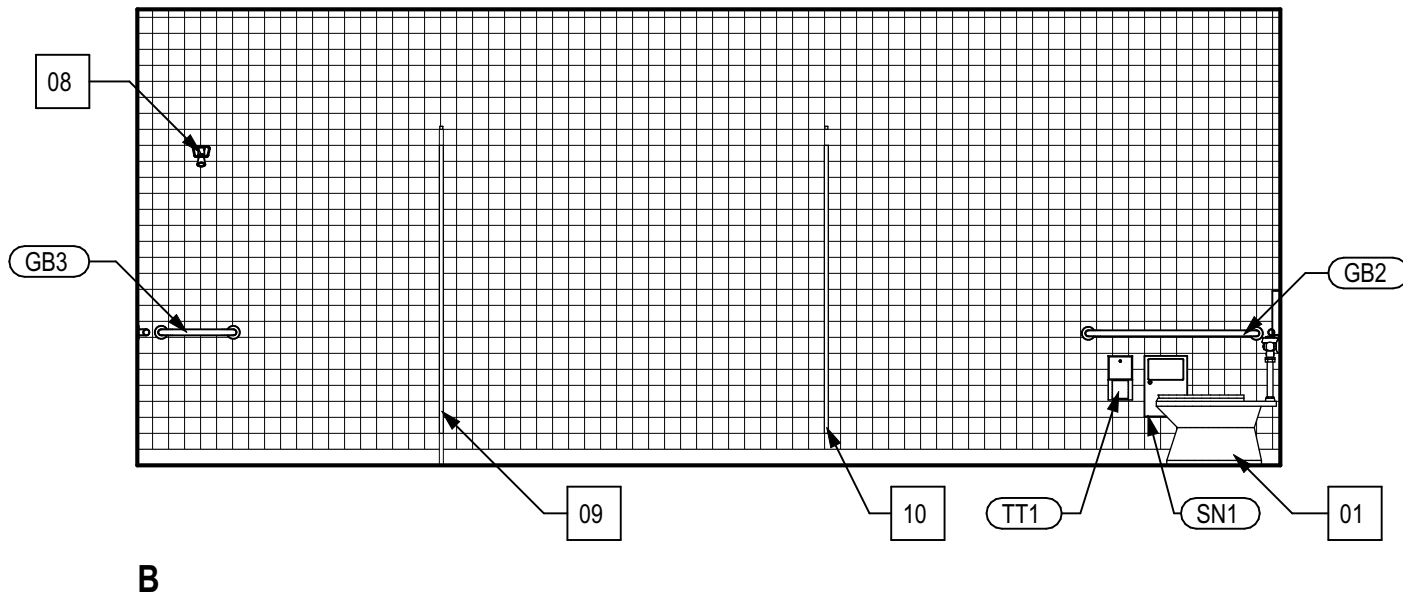
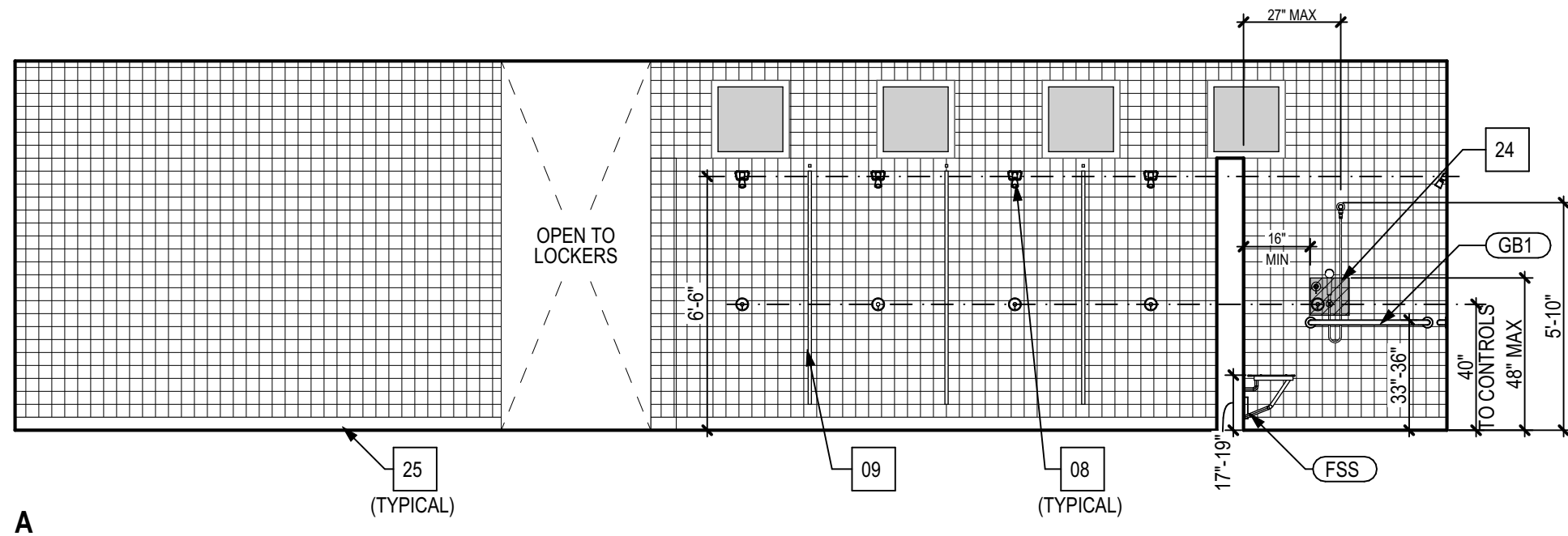
D1 111 RECEPTION

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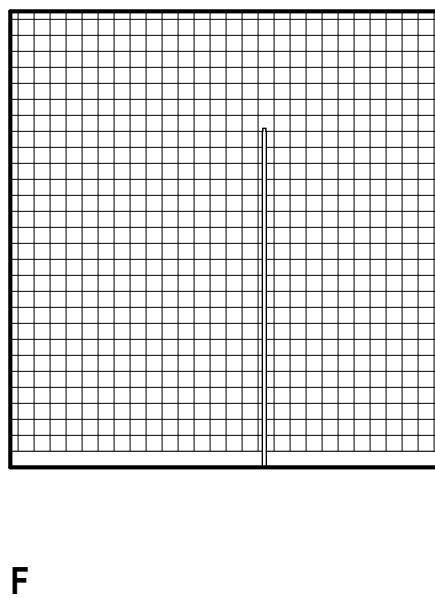
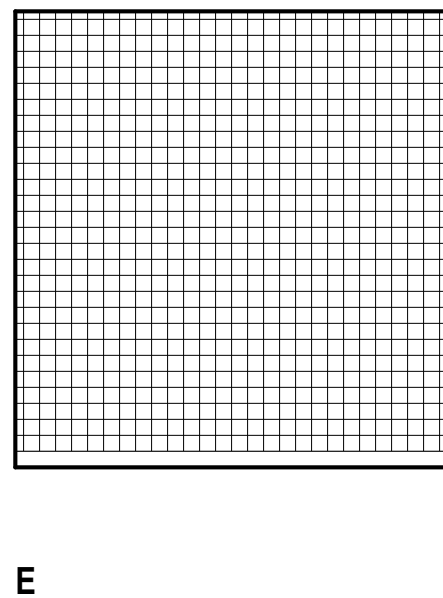
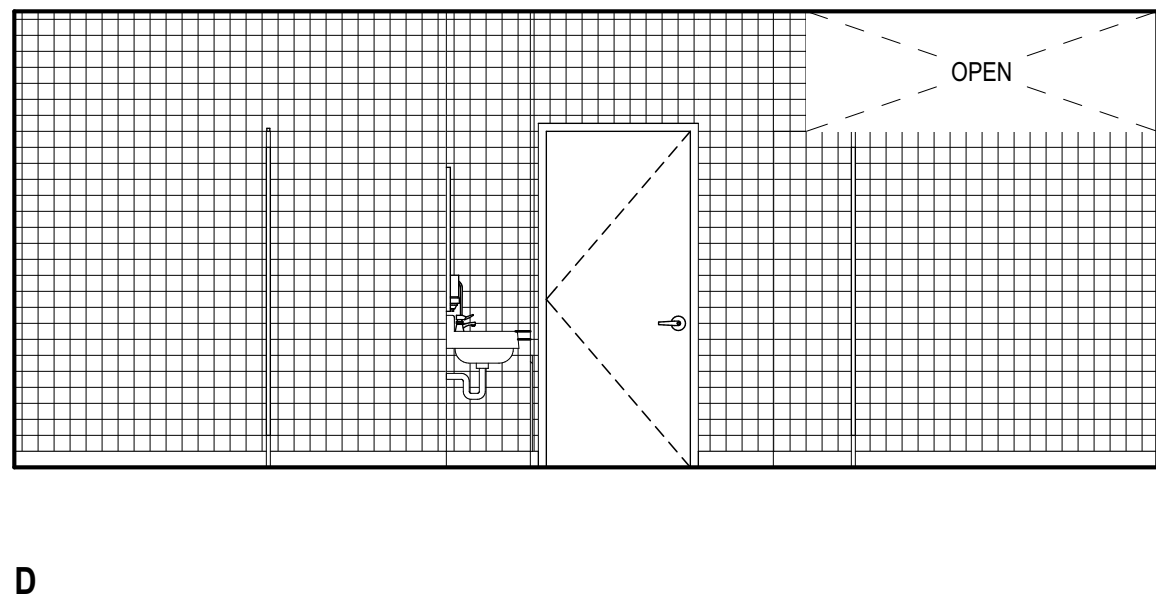
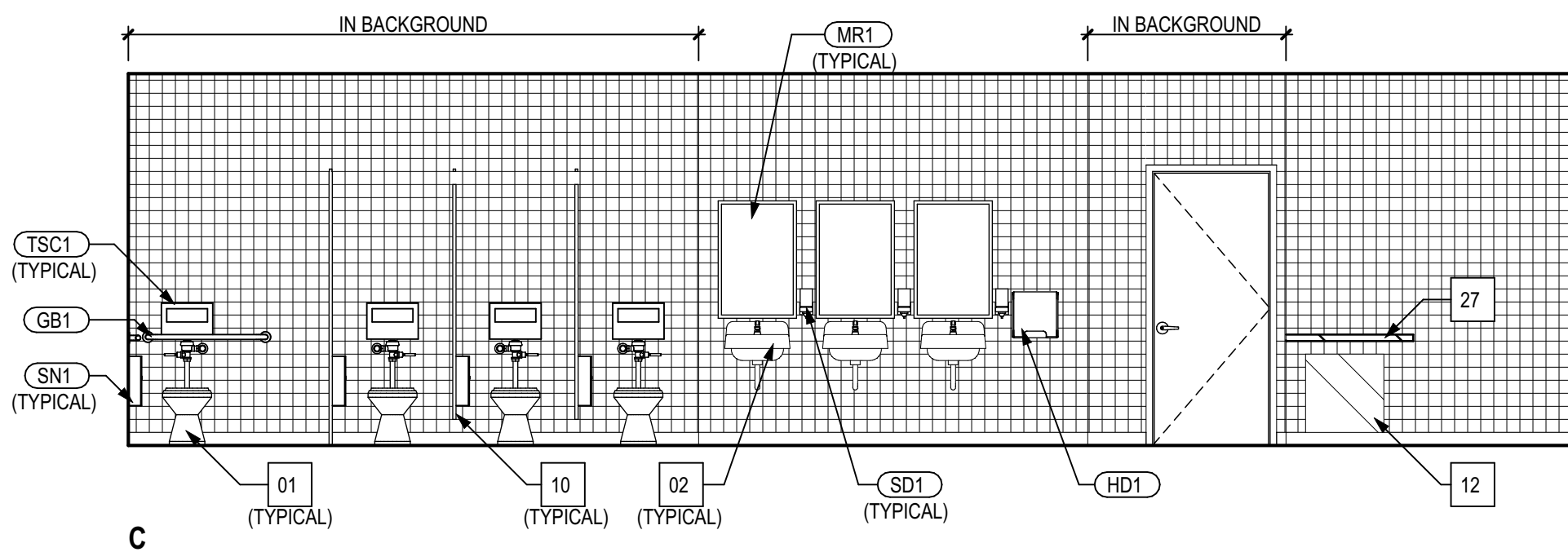
C1 113 JANITOR

SCALE: 1/4" = 1'-0"



B1 114 WOMEN'S RESTROOM

SCALE: 1/4" = 1'-0"



A1 114 WOMEN'S RESTROOM (CONTINUED)

SCALE: 1/4" = 1'-0"

REFER TO DETAIL D3/A-501 FOR ACCESSIBLE MOUNTING HEIGHTS

INTERIOR ELEVATIONS LEGEND

	PAINTED 5/8" TYPE "X" GYPSUM BOARD. COLOR TO BE SELECTED BY ARCHITECT
	CERAMIC TILE OVER THINSET OVER 5/8" CEMENTIOUS BACKERBOARD

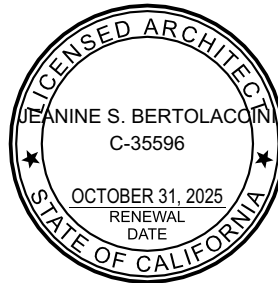
ACCESSORY SCHEDULE

ID	DESCRIPTION
CH1	ROBE HOOK
FSS	FOLDING SHOWER SEAT
GB1	36" GRAB BAR
GB2	42" GRAB BAR
GB3	18" GRAB BAR
HD1	HAND DRYER
MH1	MOP HOLDER
MR1	MIRROR WITH STAINLESS STEEL FRAME
SD1	SOAP DISPENSER
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INTERIOR ELEVATIONS KEYNOTES

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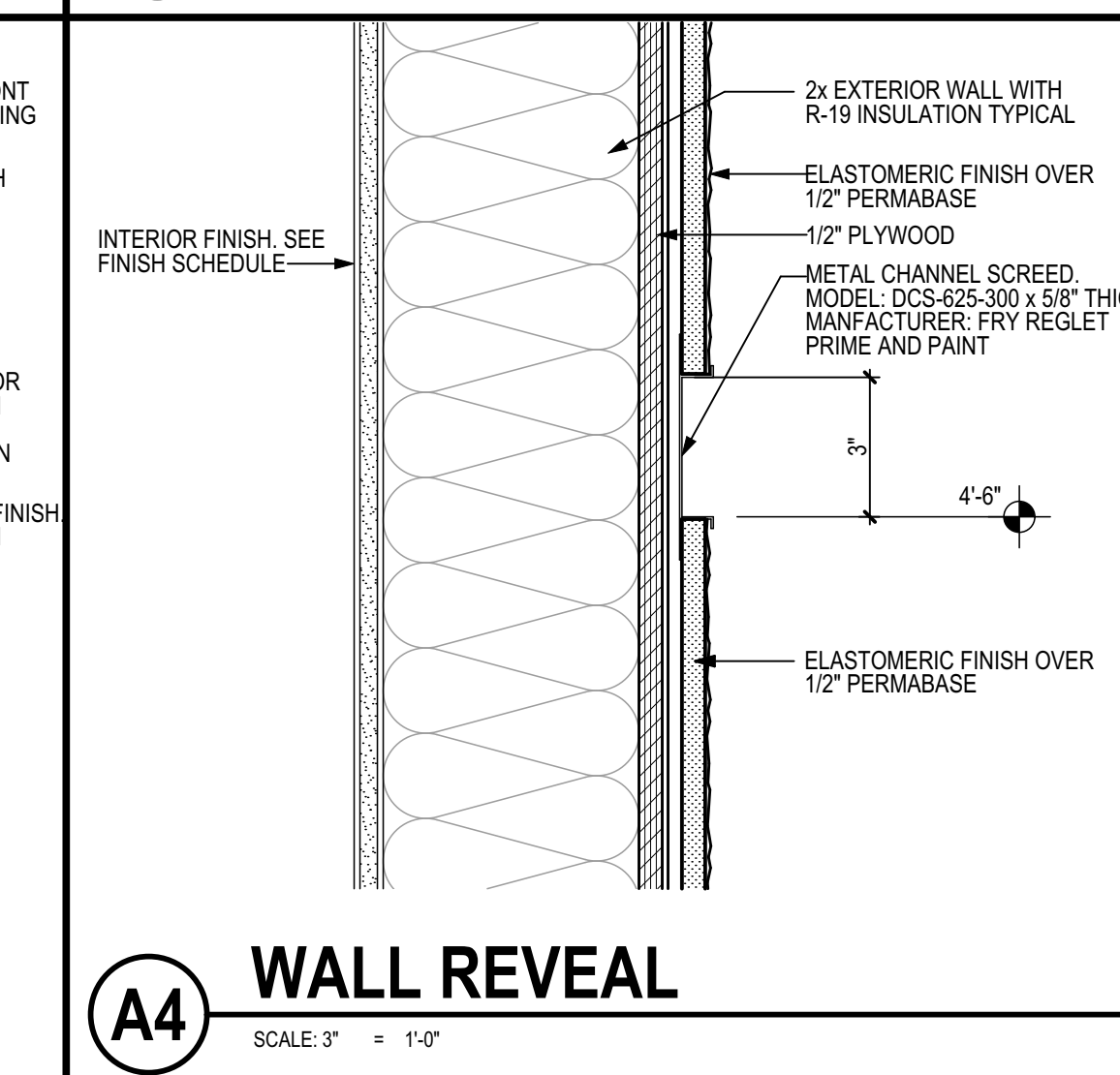
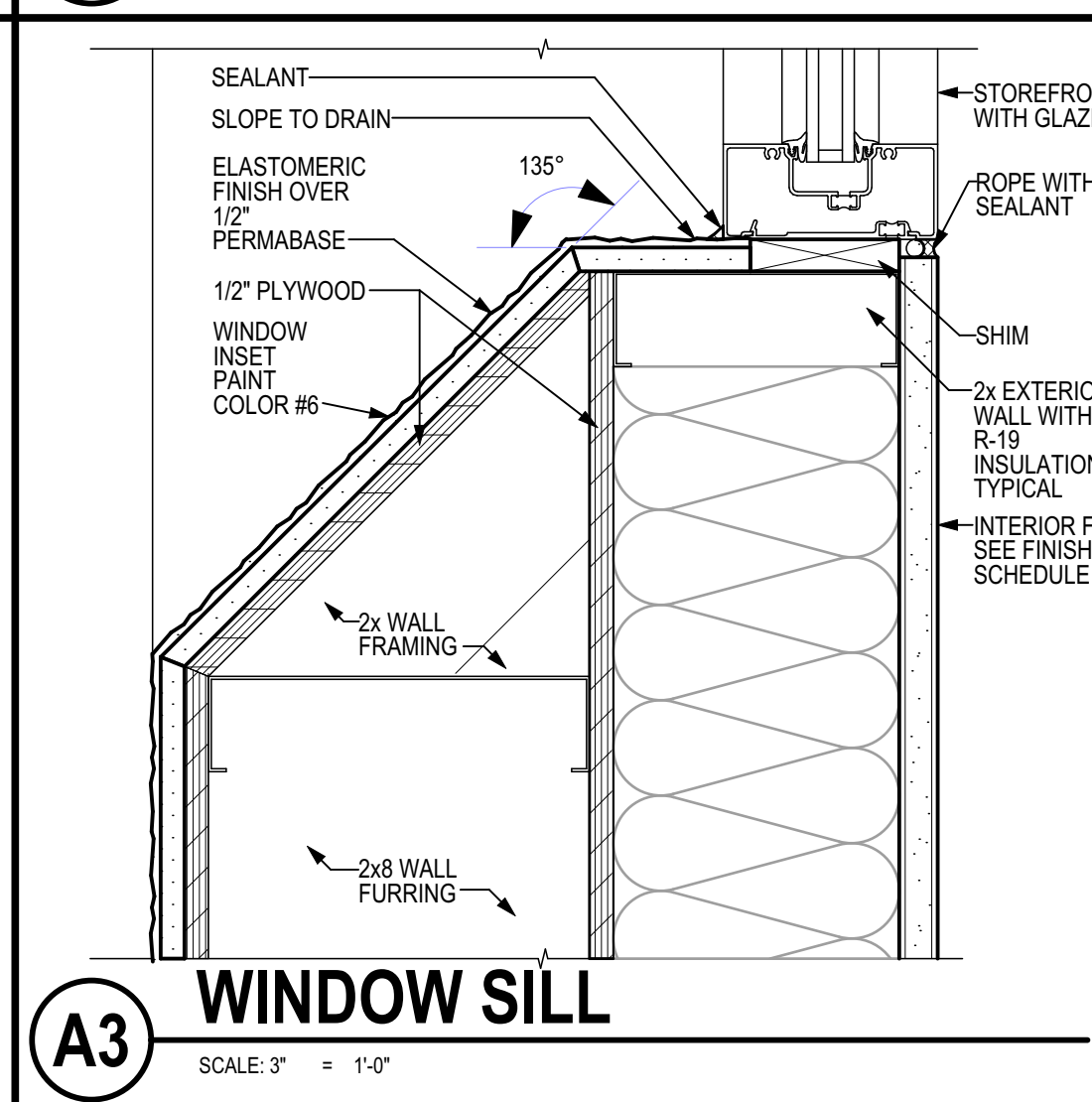
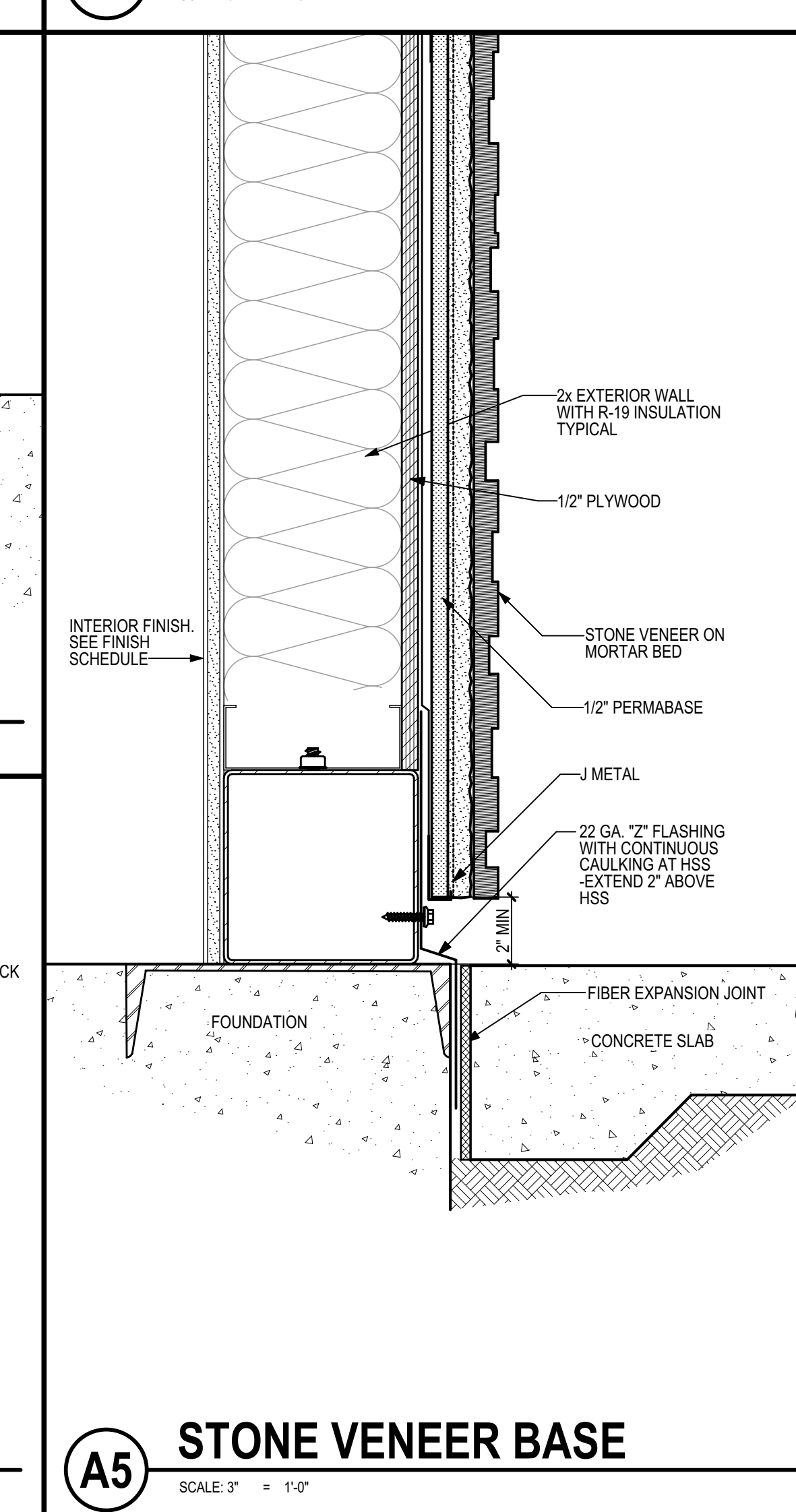
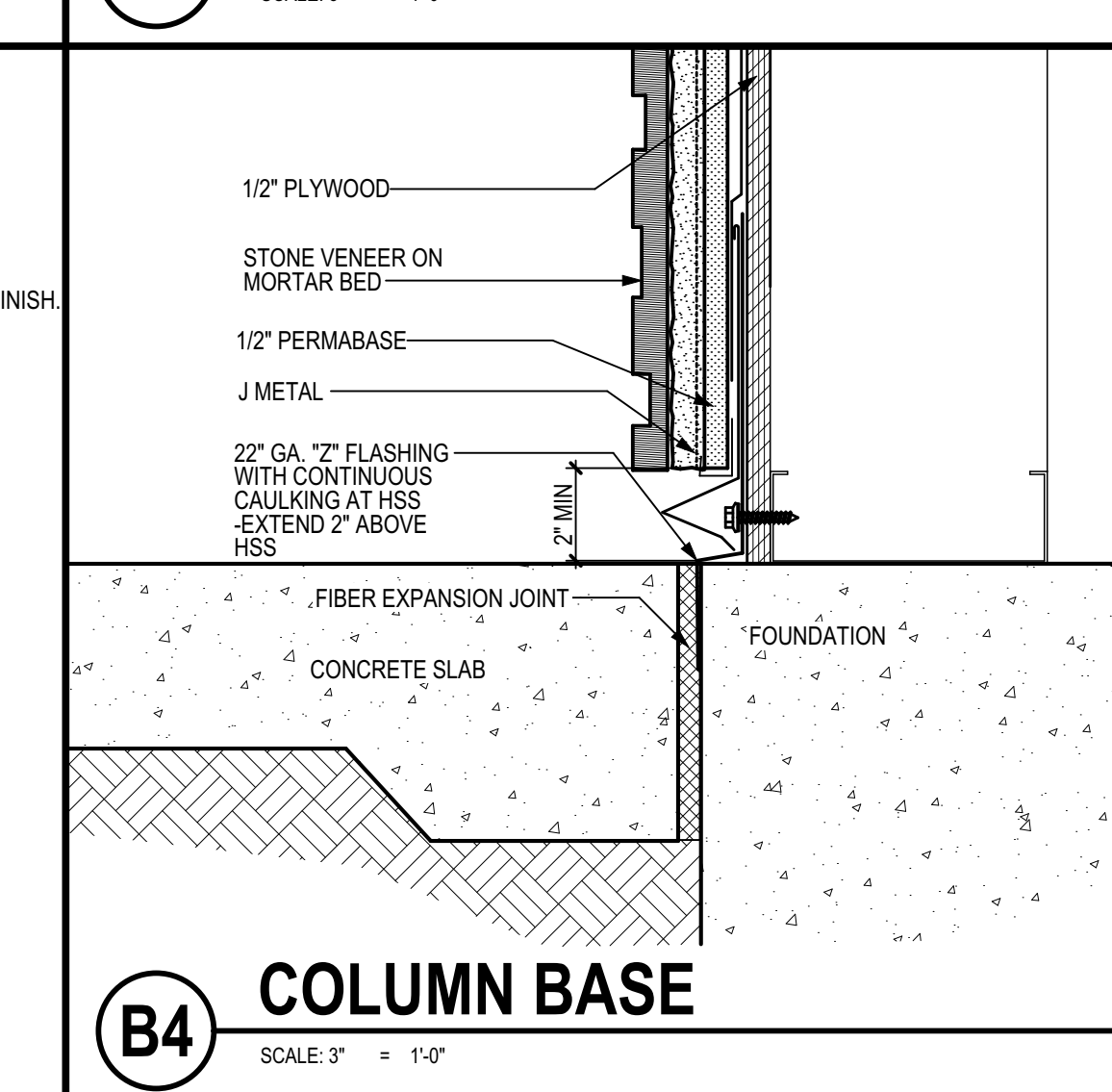
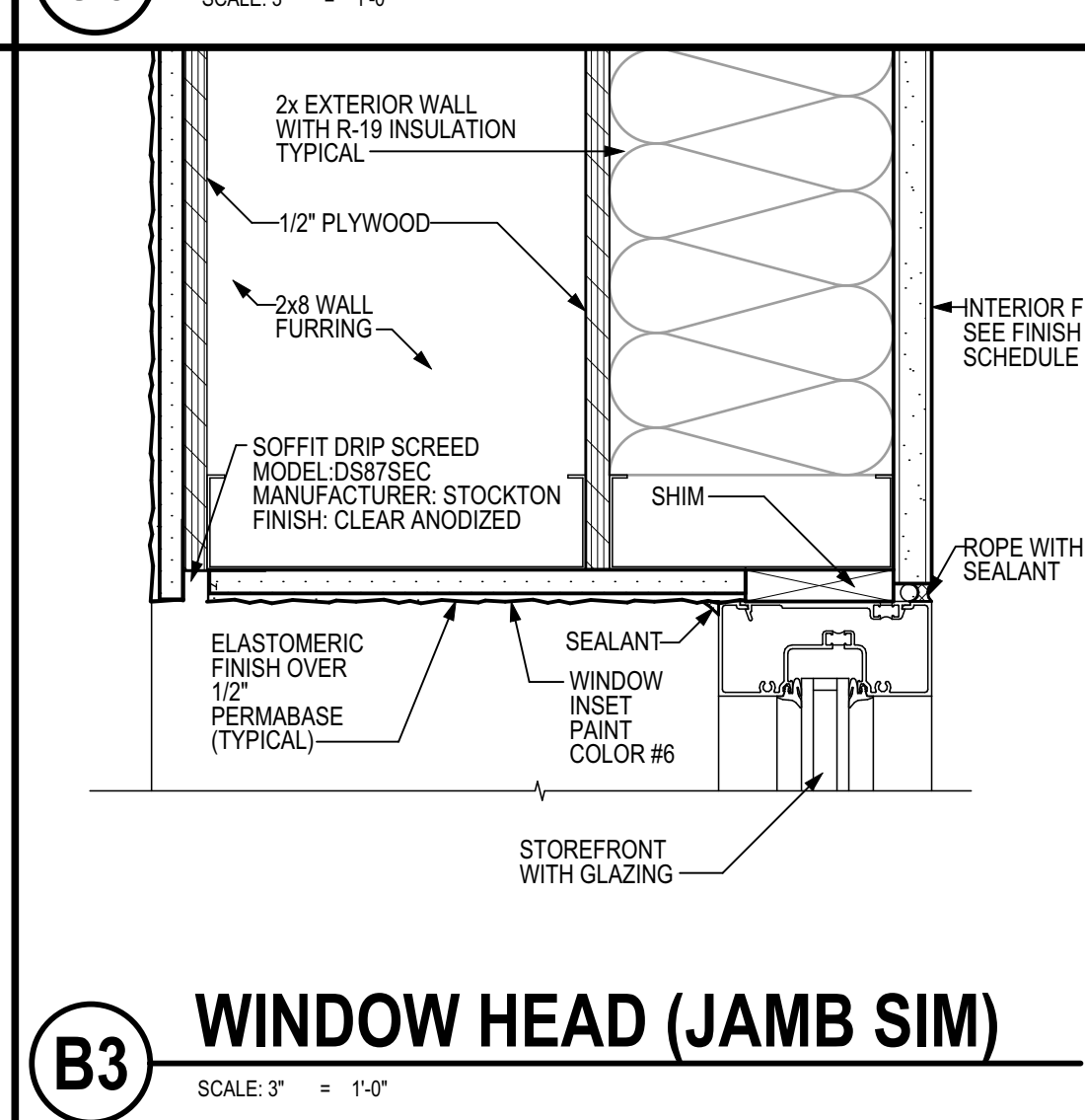
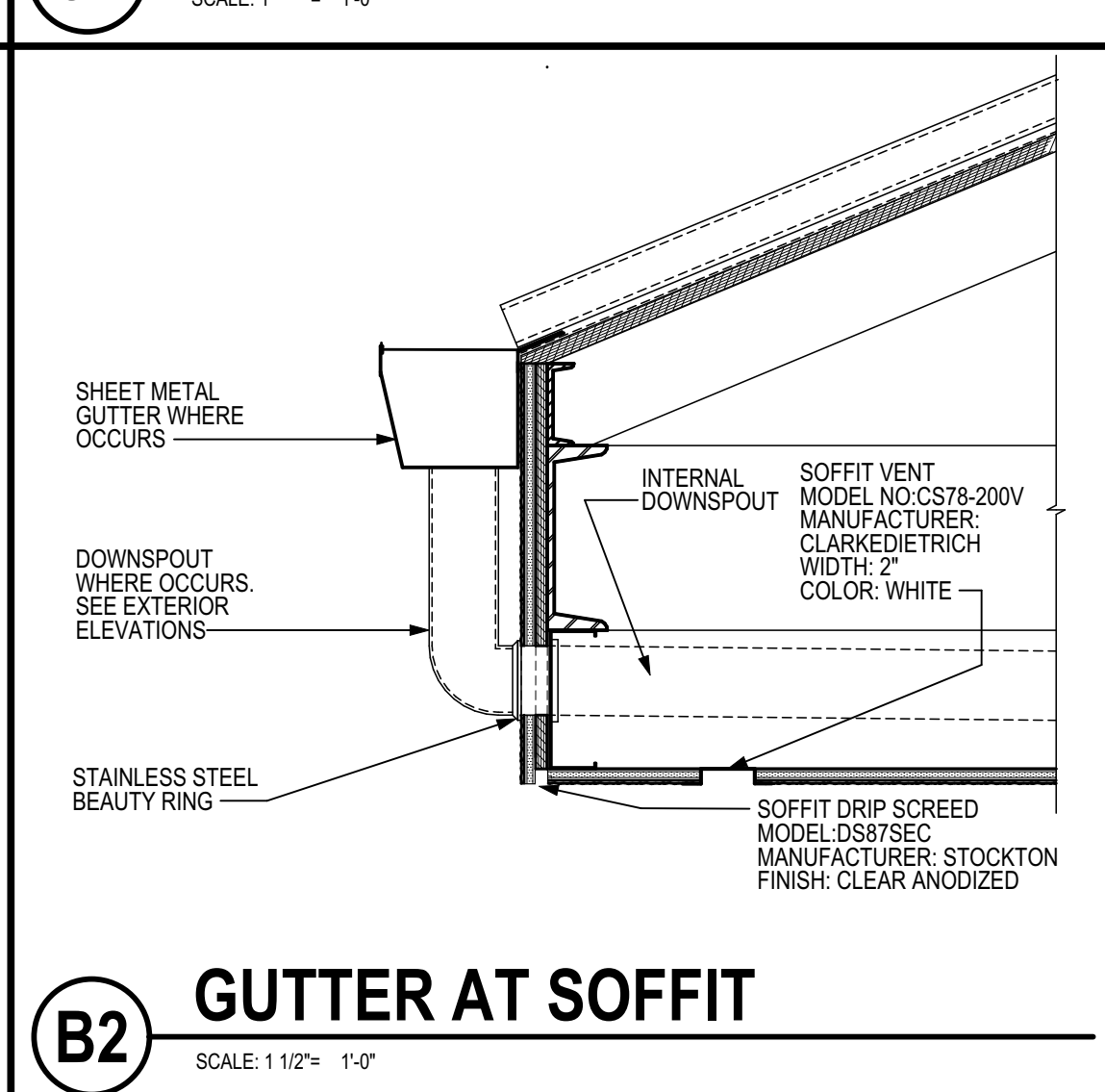
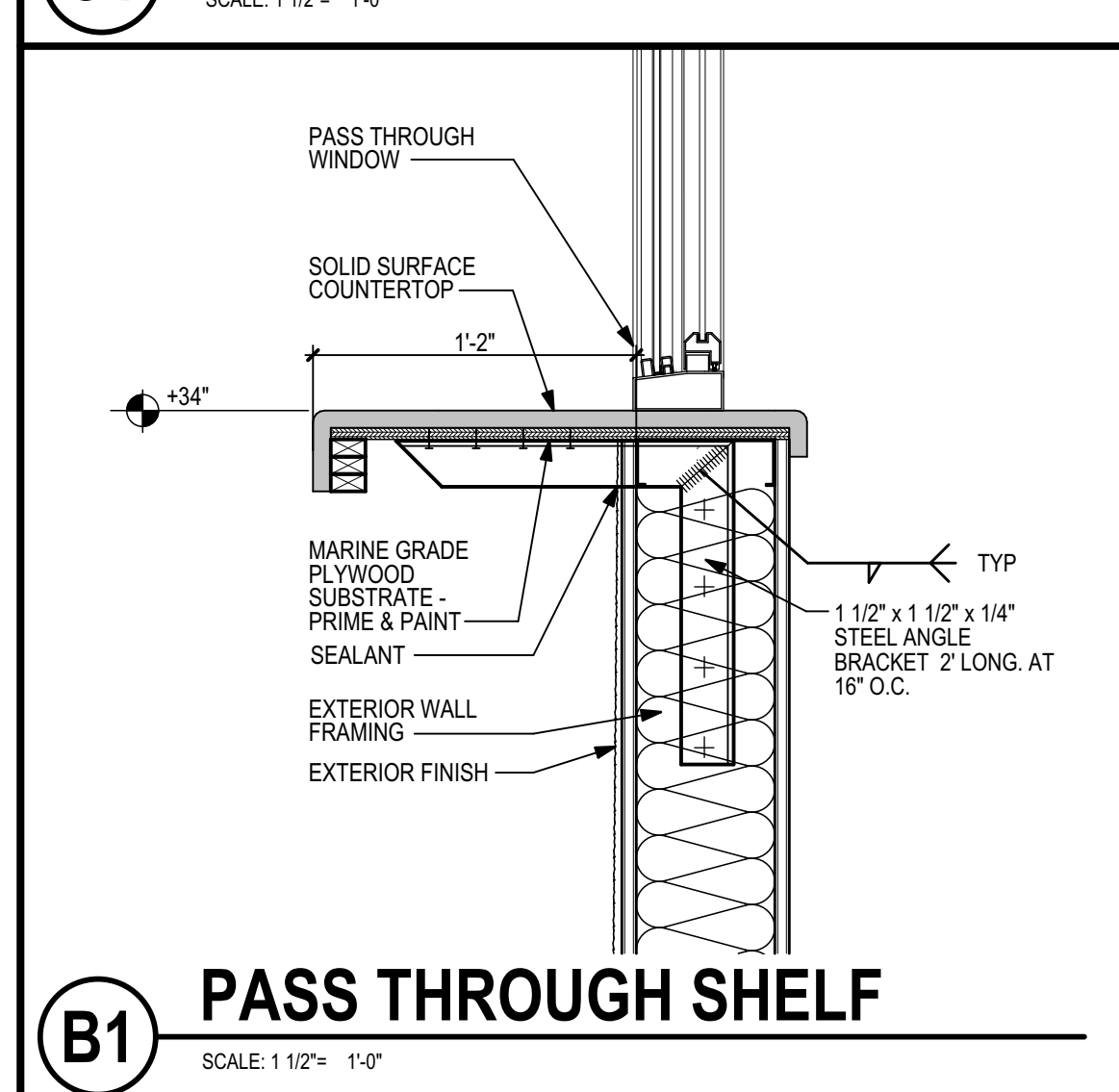
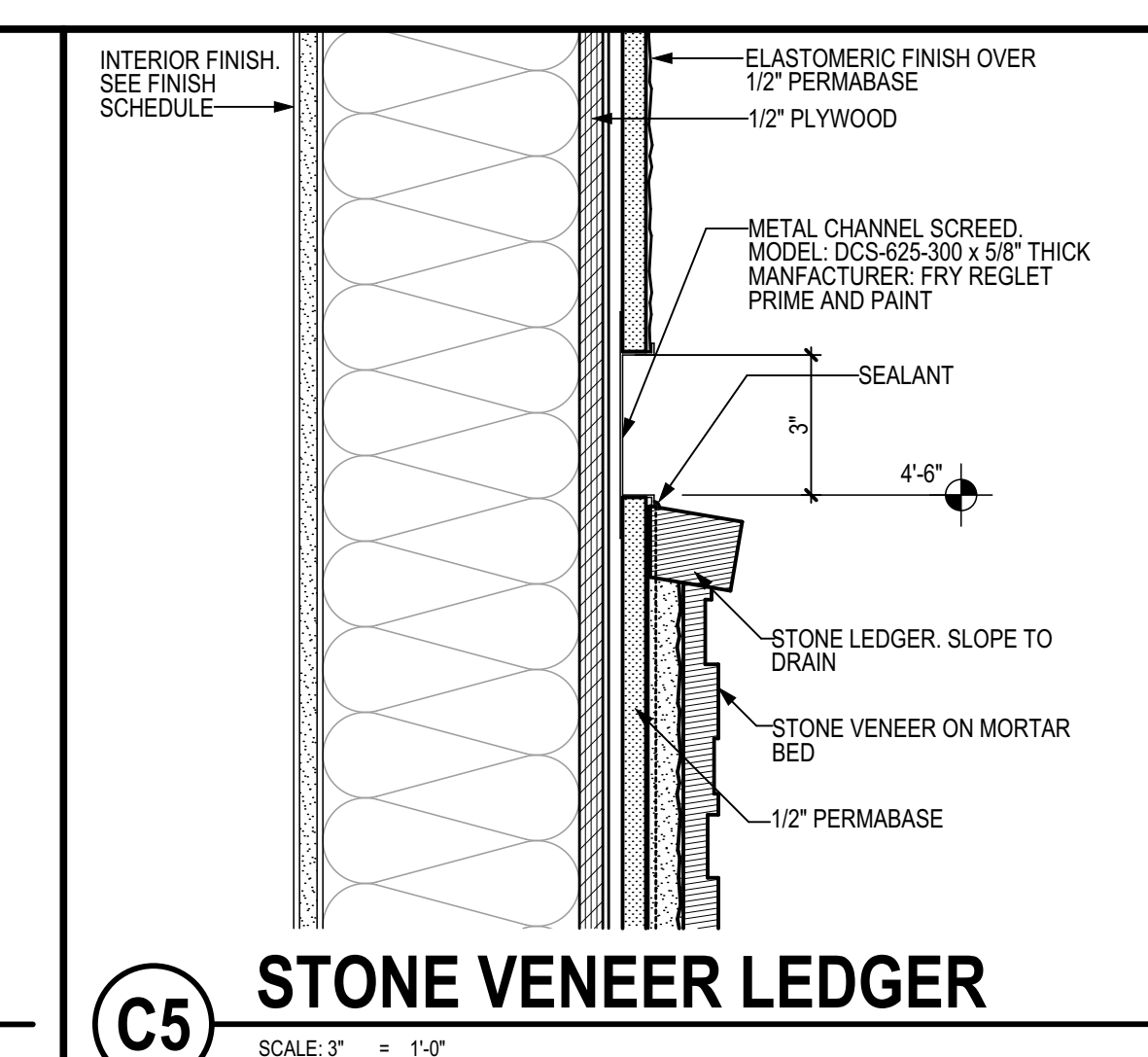
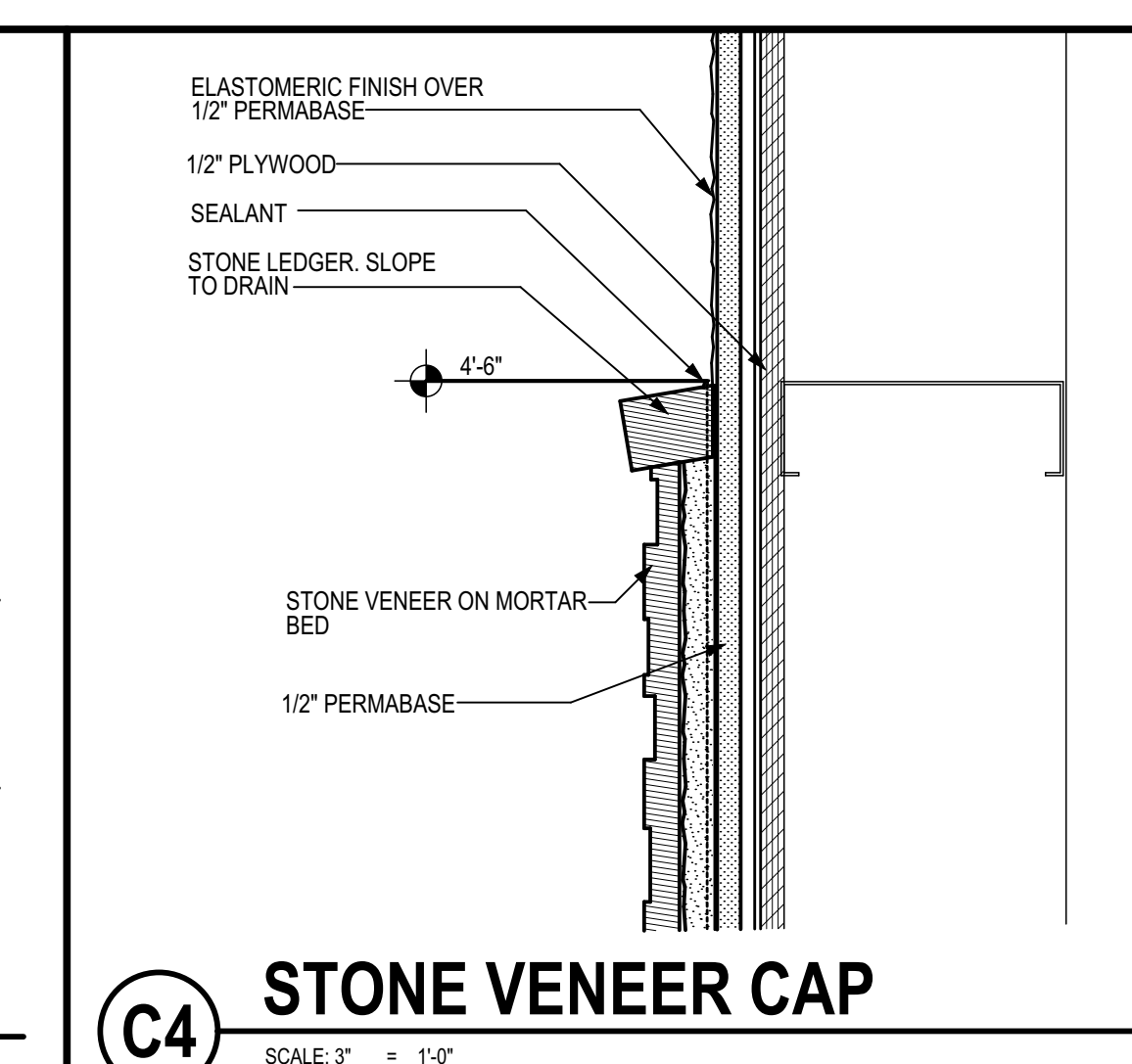
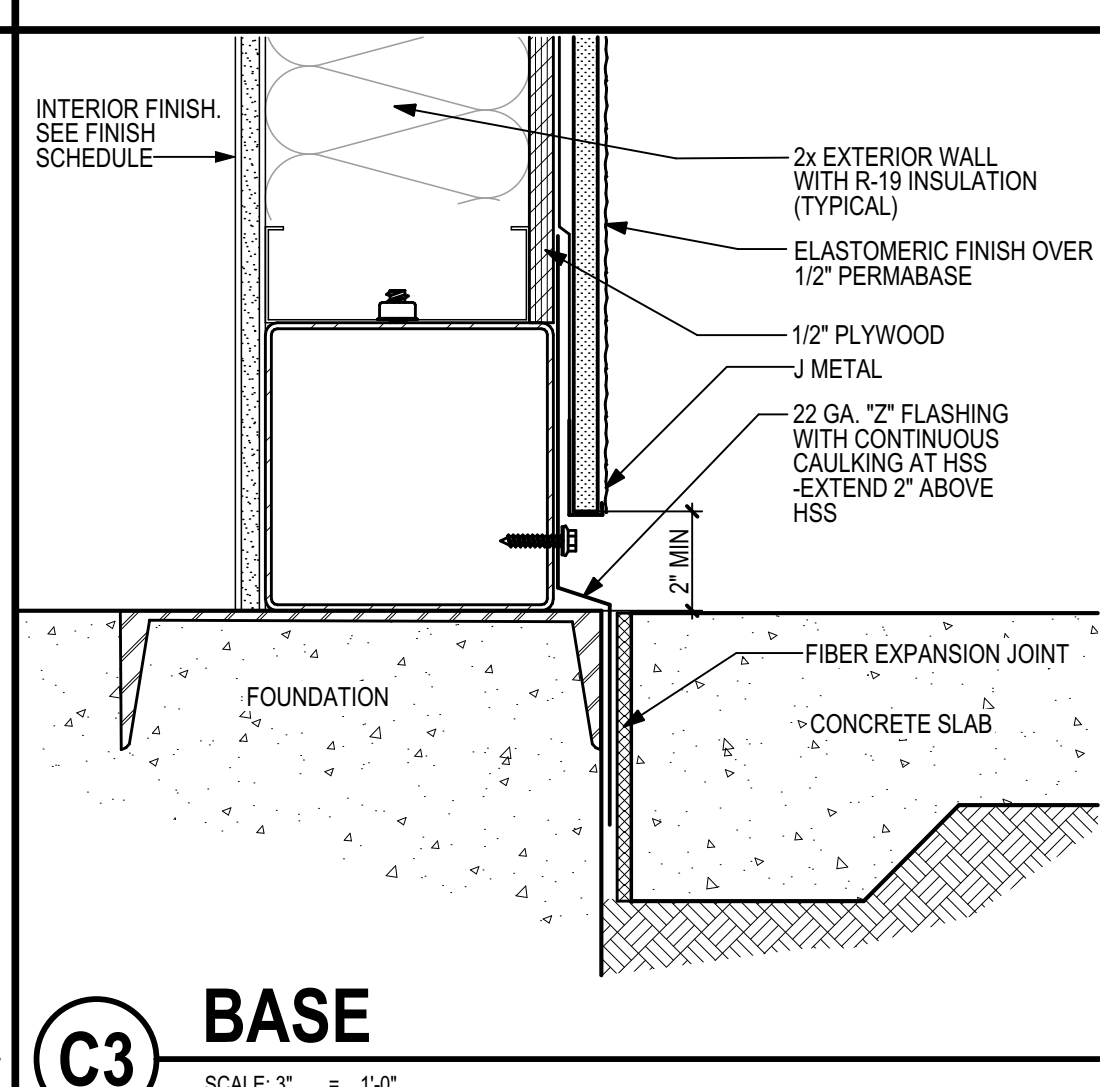
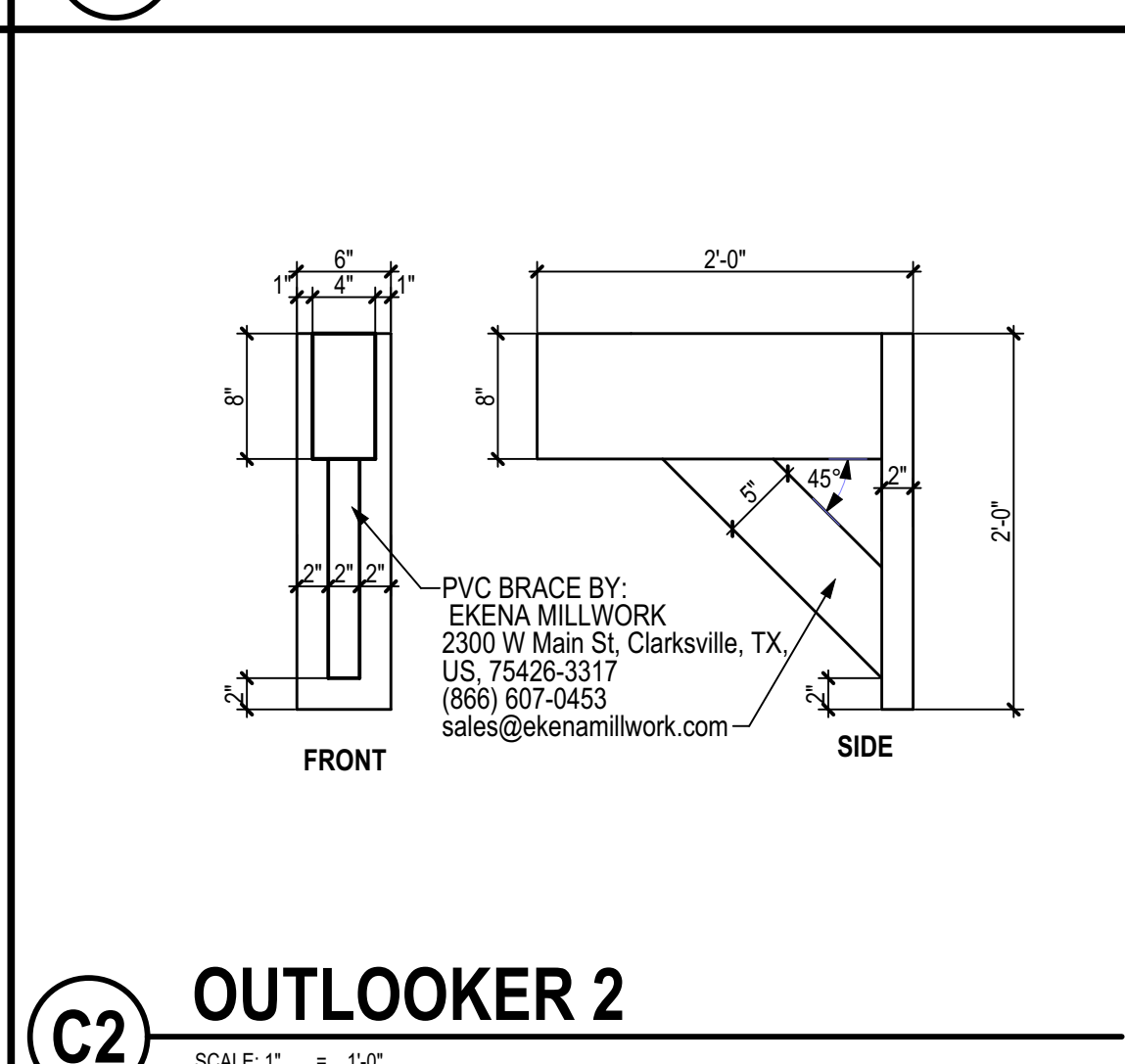
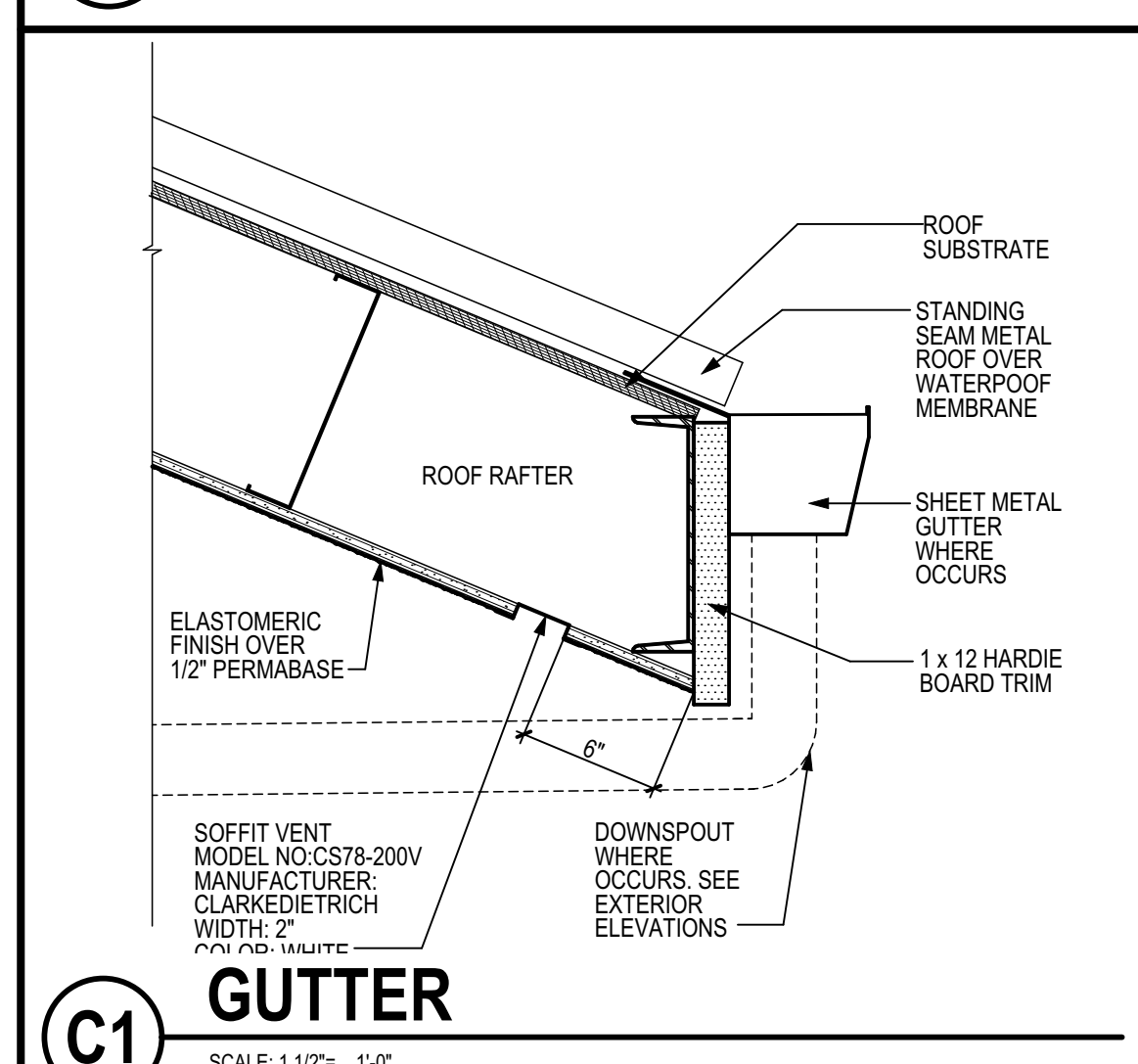
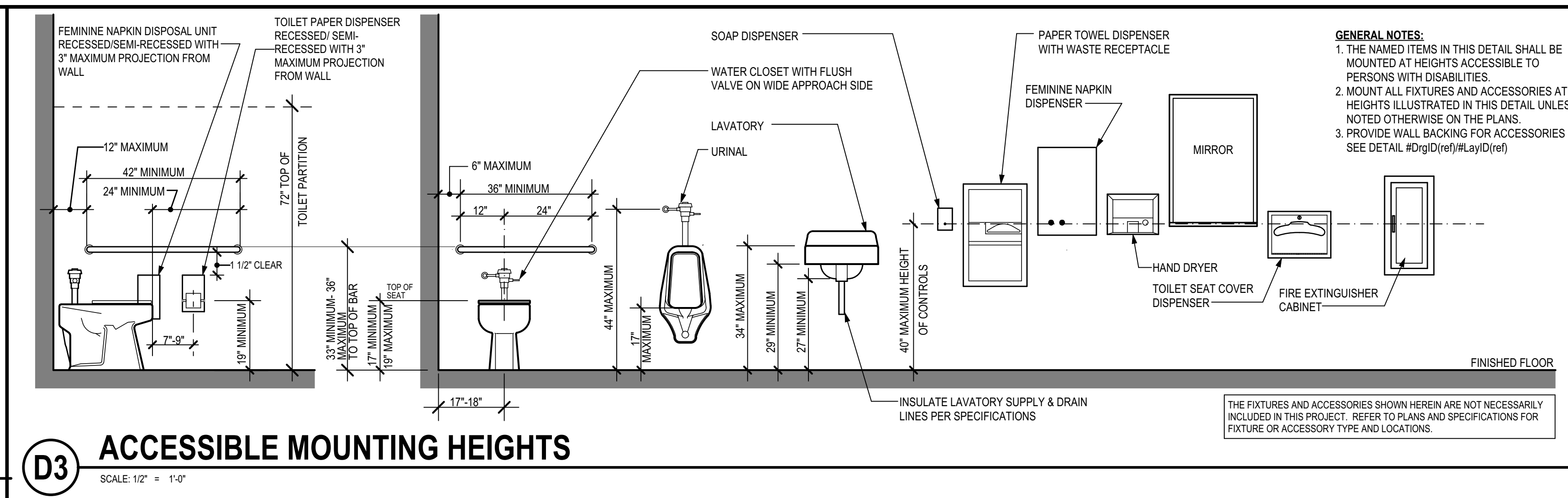
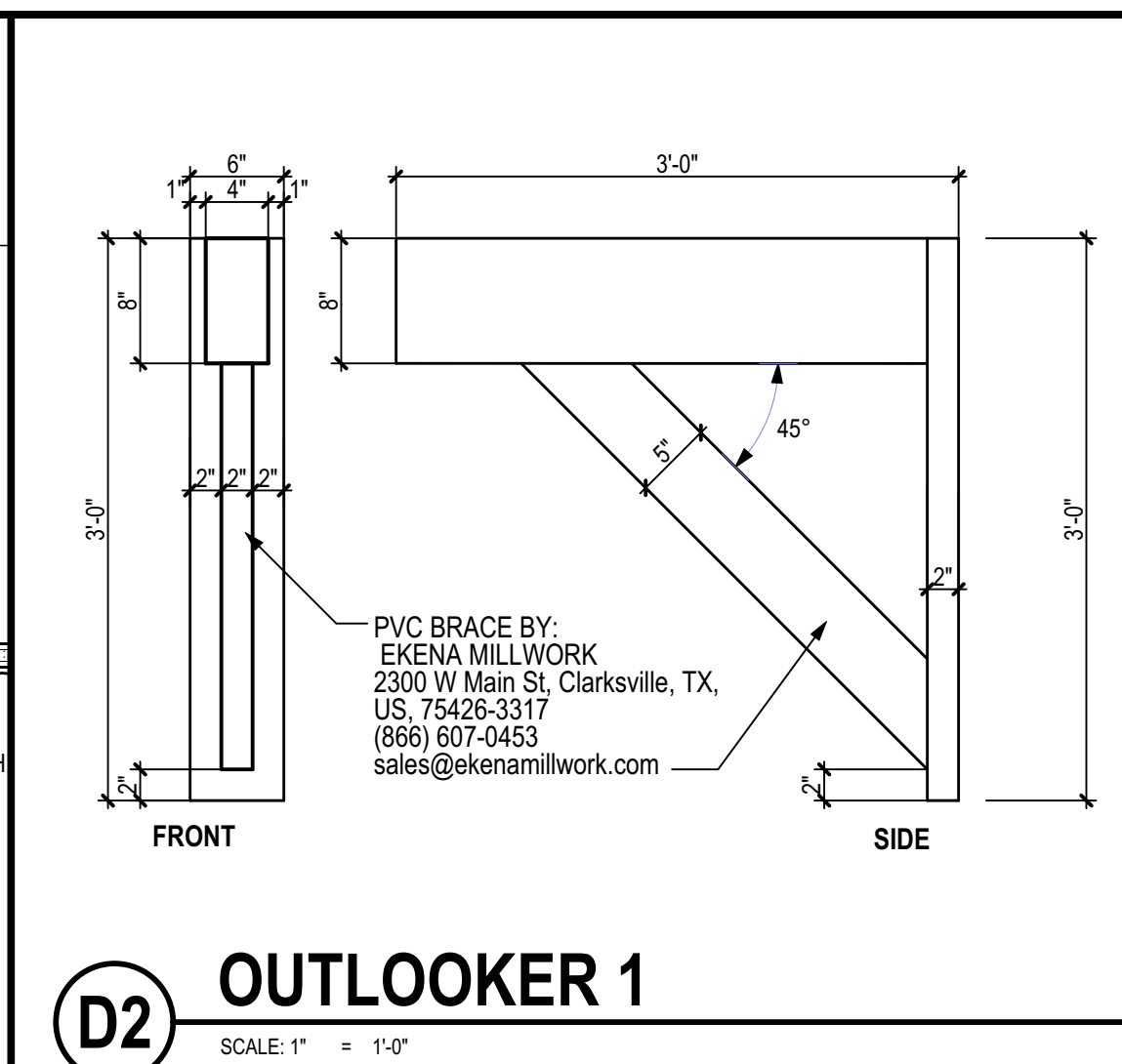
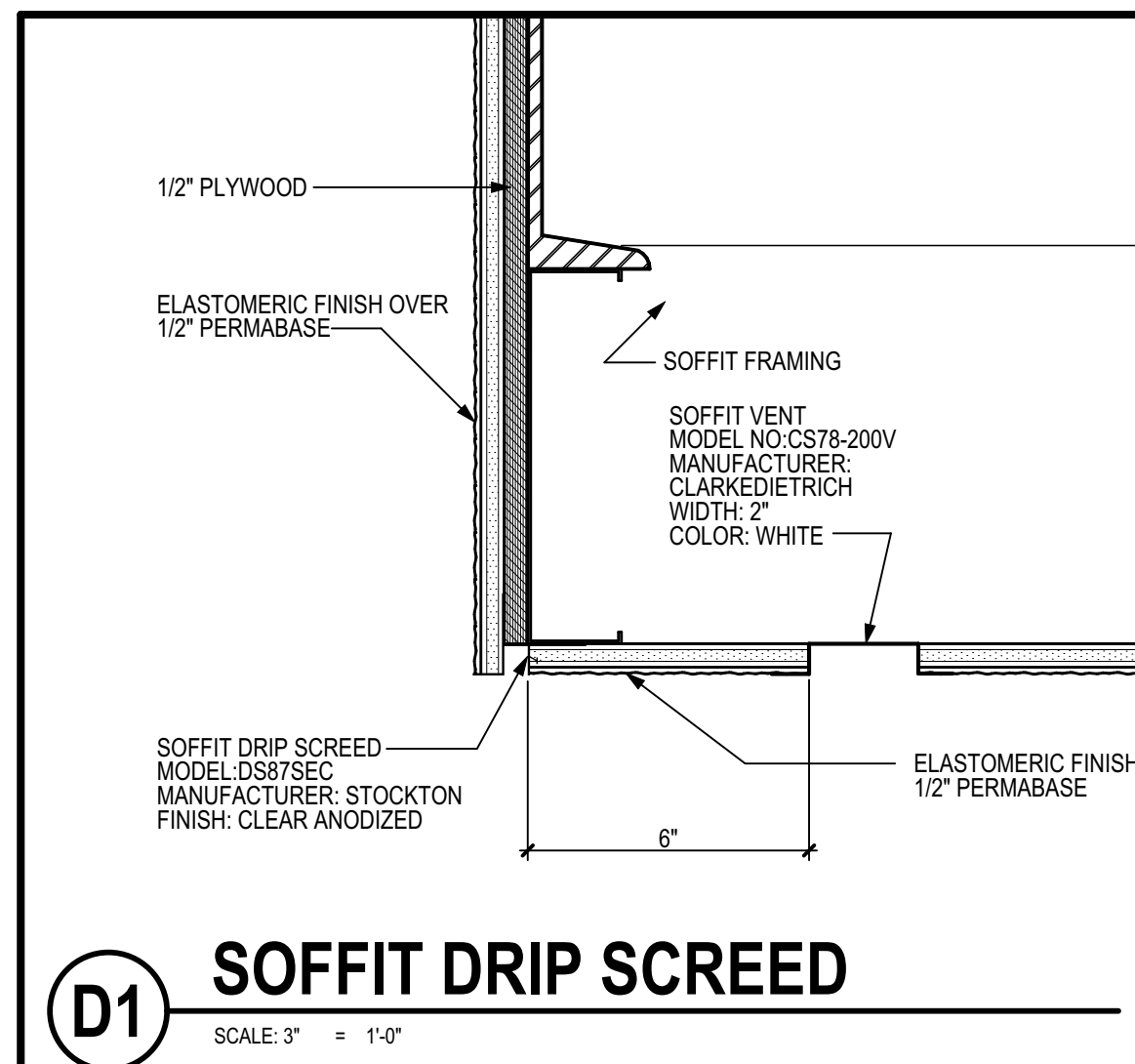
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SHEET TITLE

INTERIOR ELEVATIONS

SHEET IDENTIFICATION NUMBER

A-233

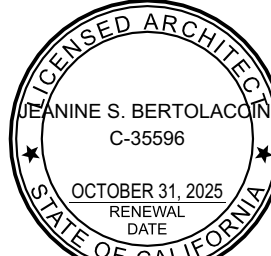


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ARCHITECT C-10693

JOSEPH E. ZASOSKI, AIA
ARCHITECT C-36742

NEW AQUATICS CENTER BUILDING

AT

269 POSO AVE
SHAFTER, CA 93263

FOR:

[illegible]

JOB NUMBER:
2361.00

CAD DRAWING FILE:
2361 COS Aquatic Center-Modular CD27

DRAWN BY:
A.S.

CHECKED BY:
L.A.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING
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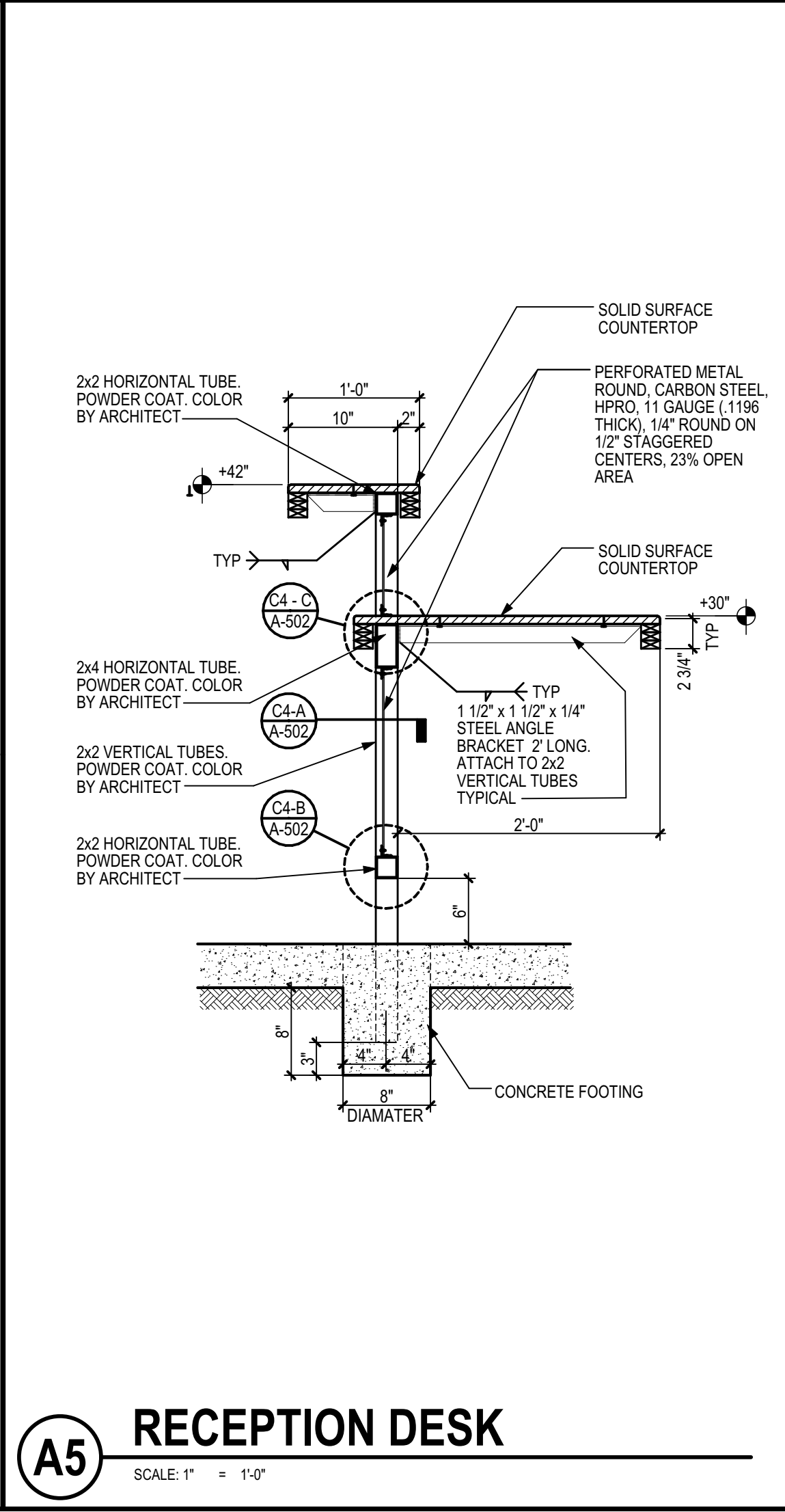
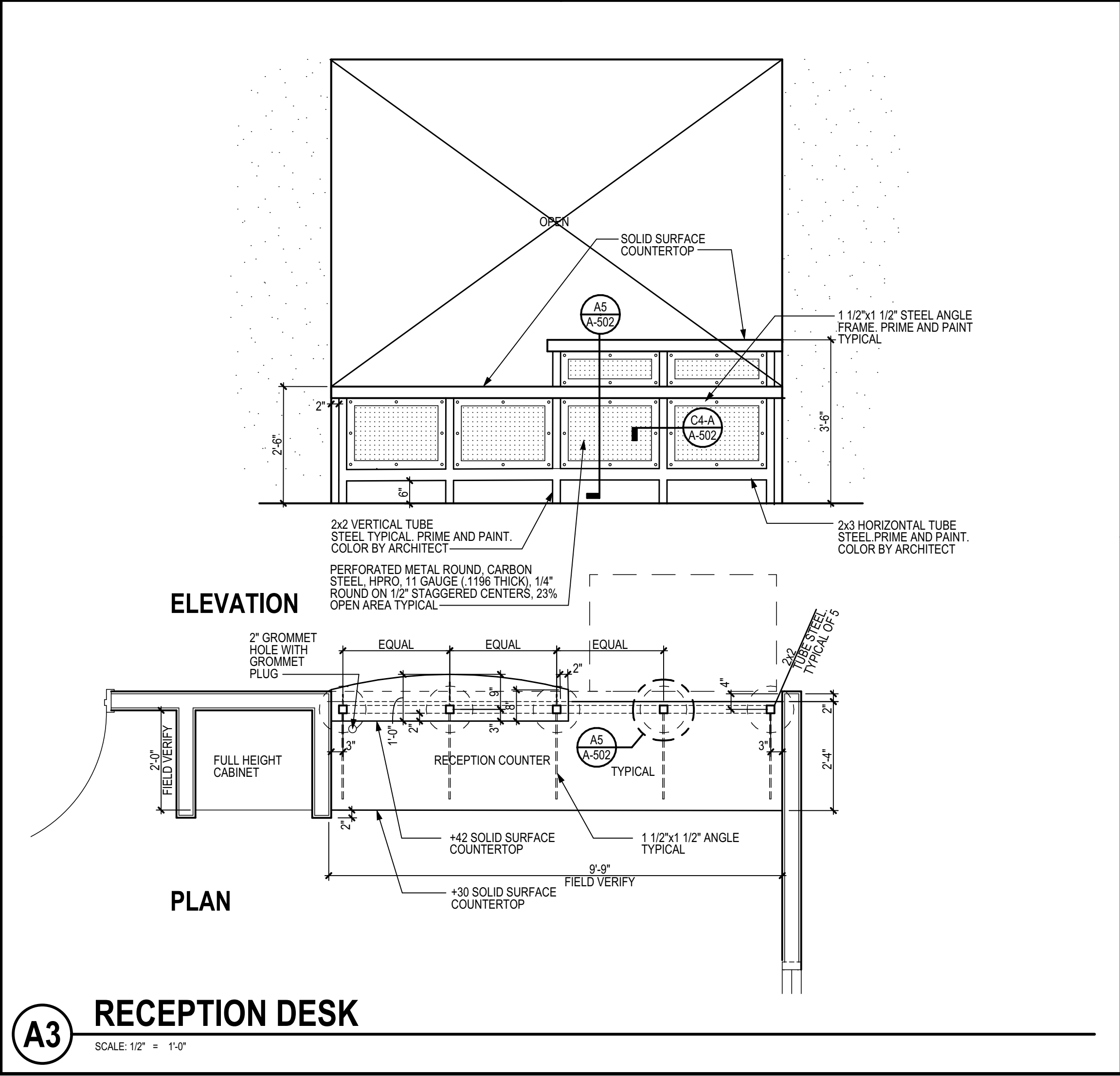
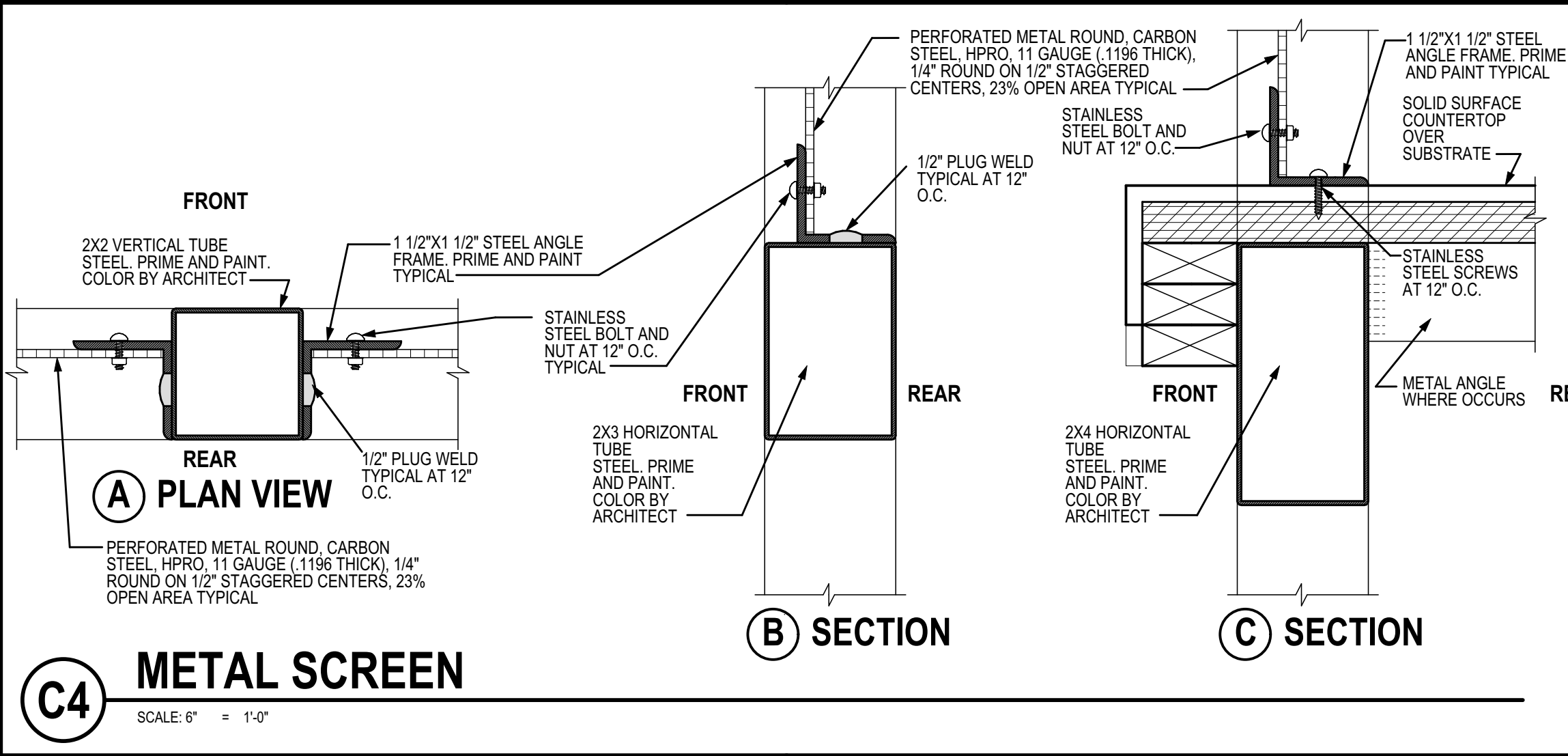
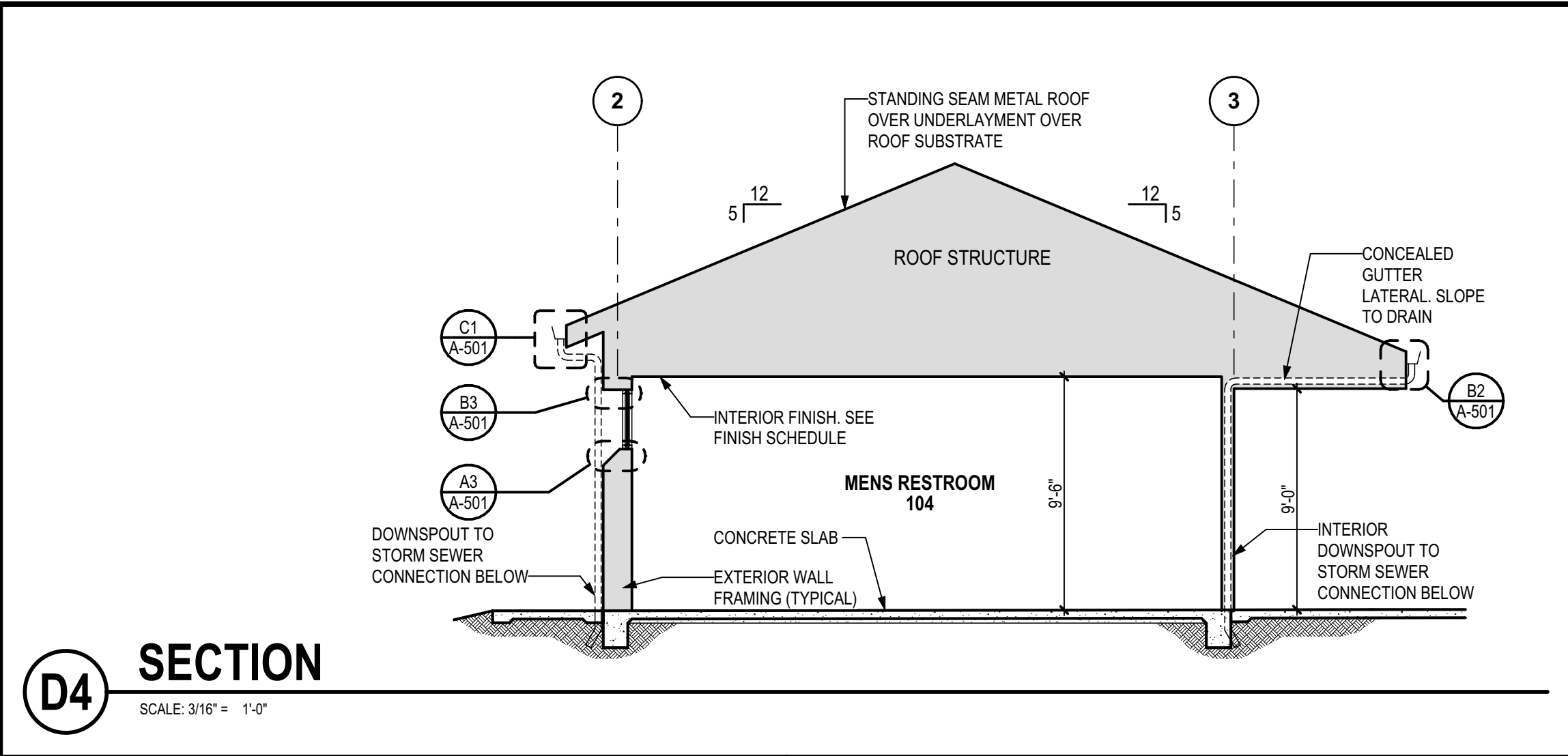
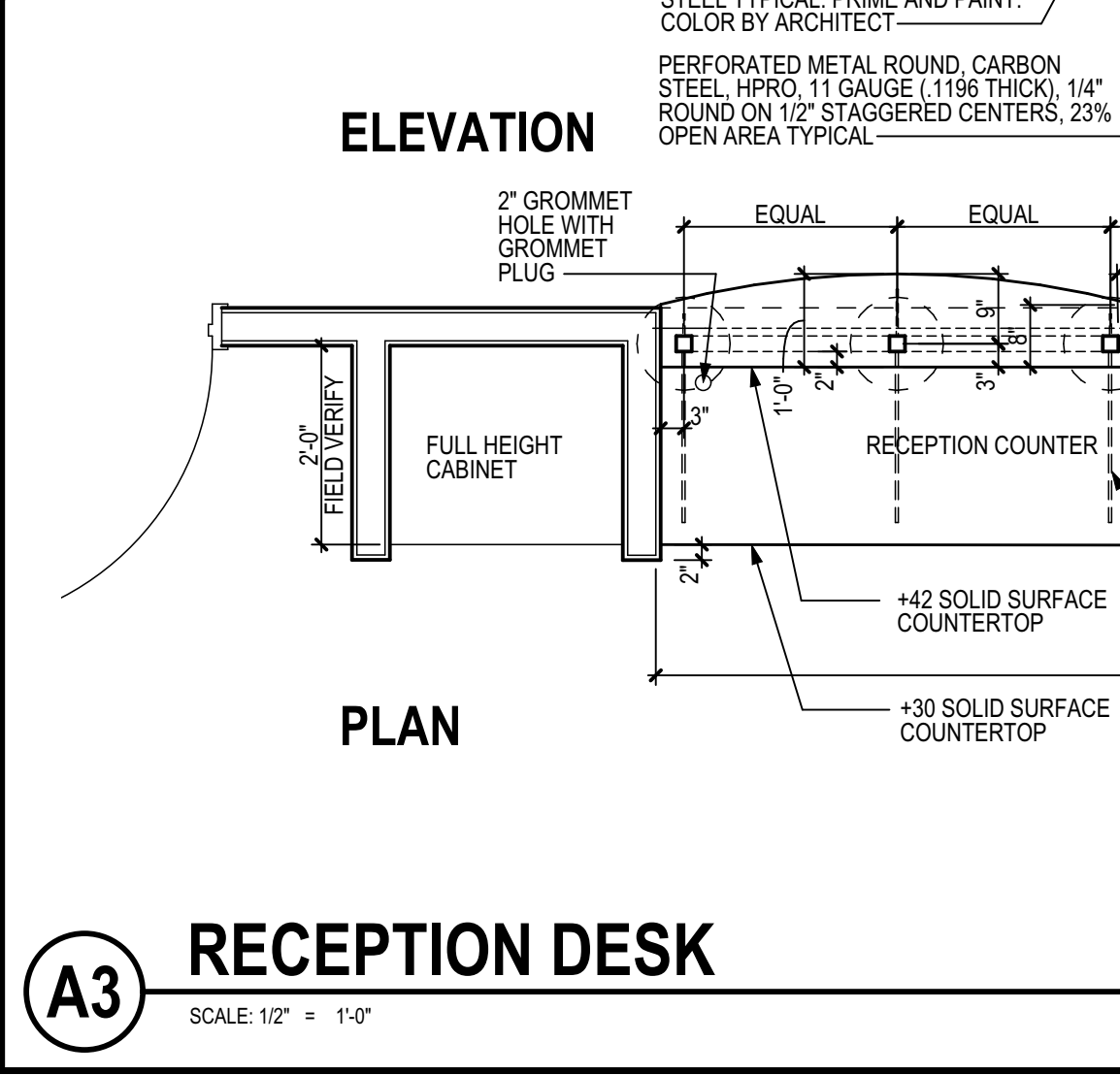
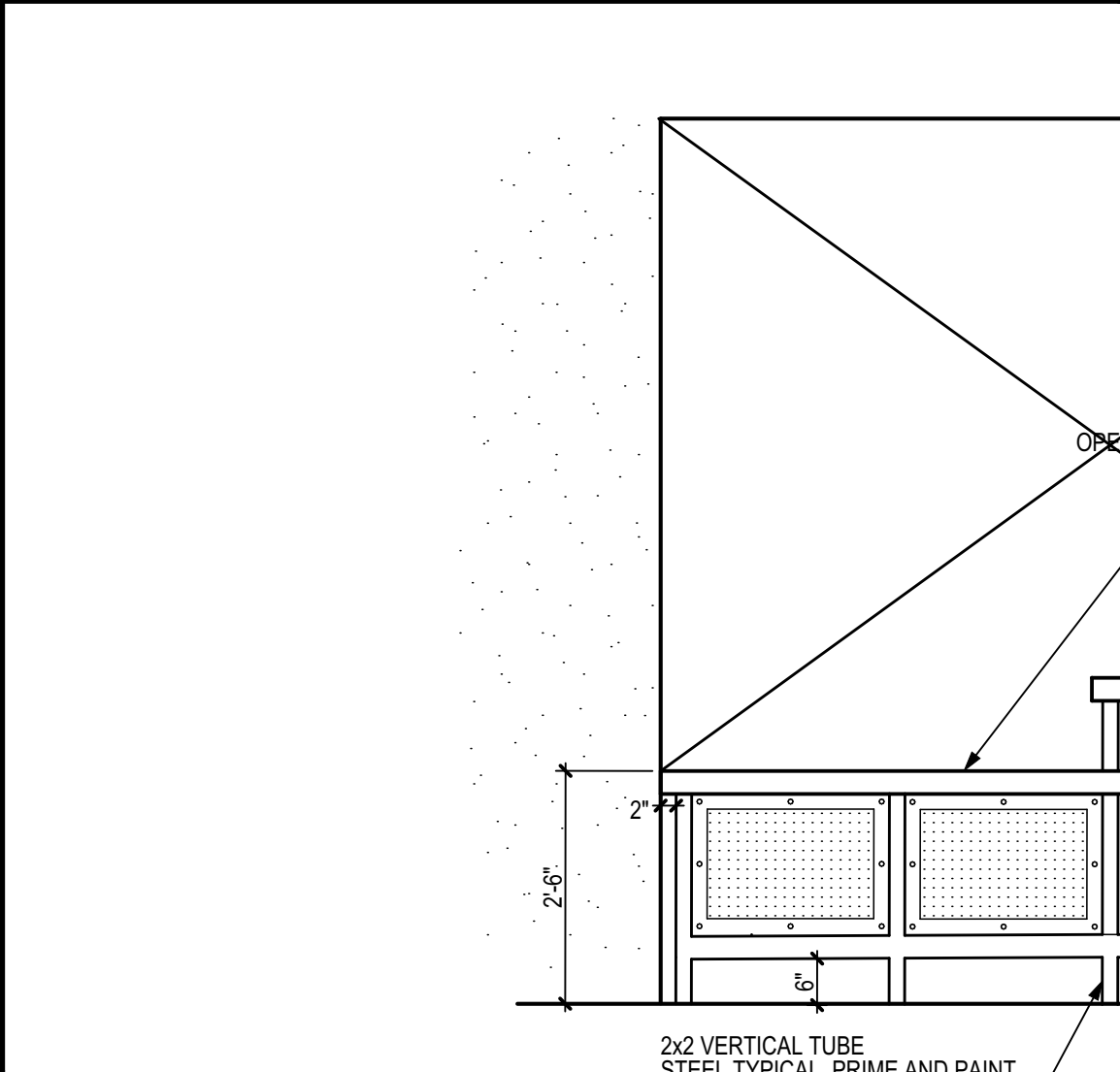
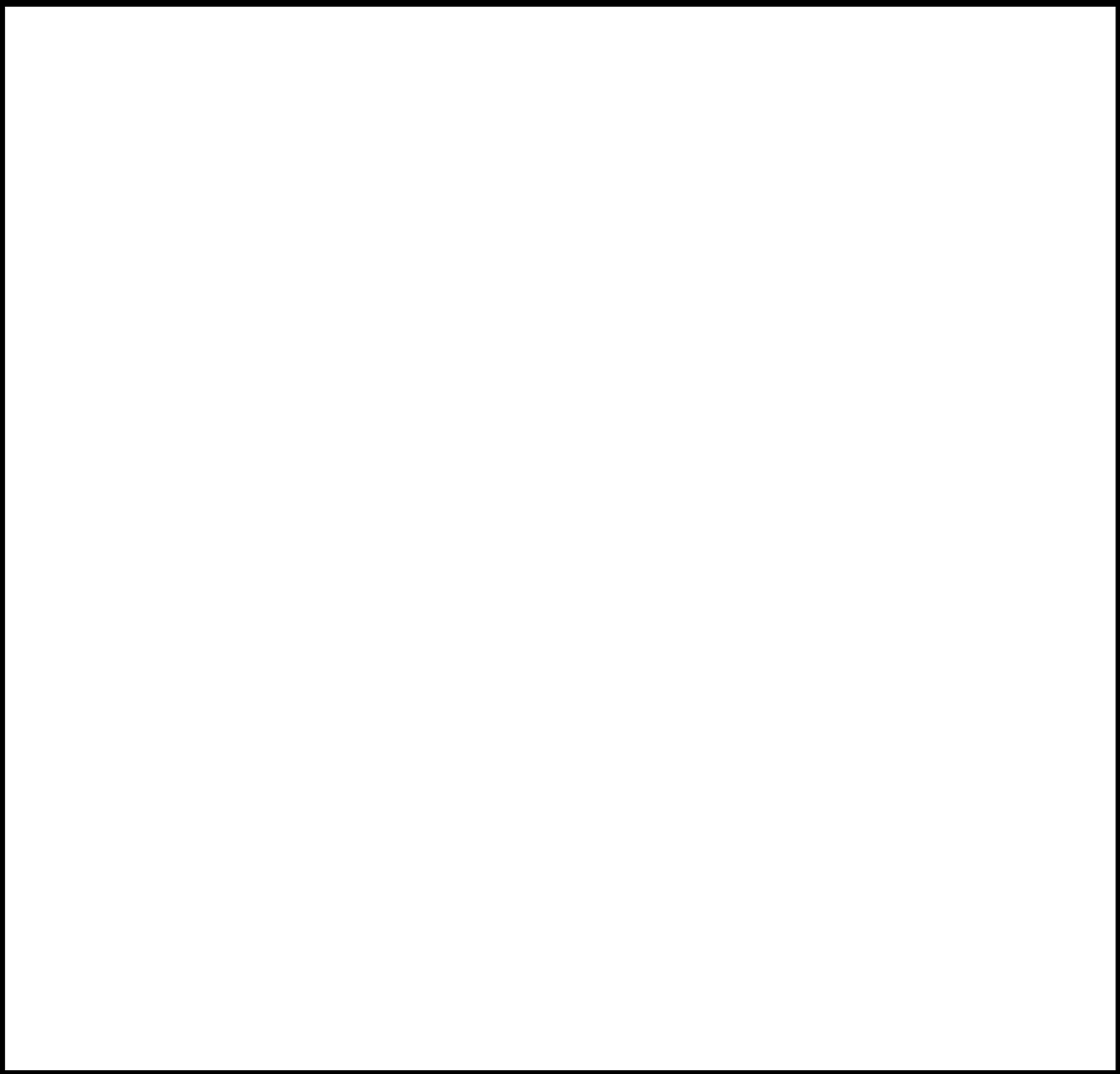
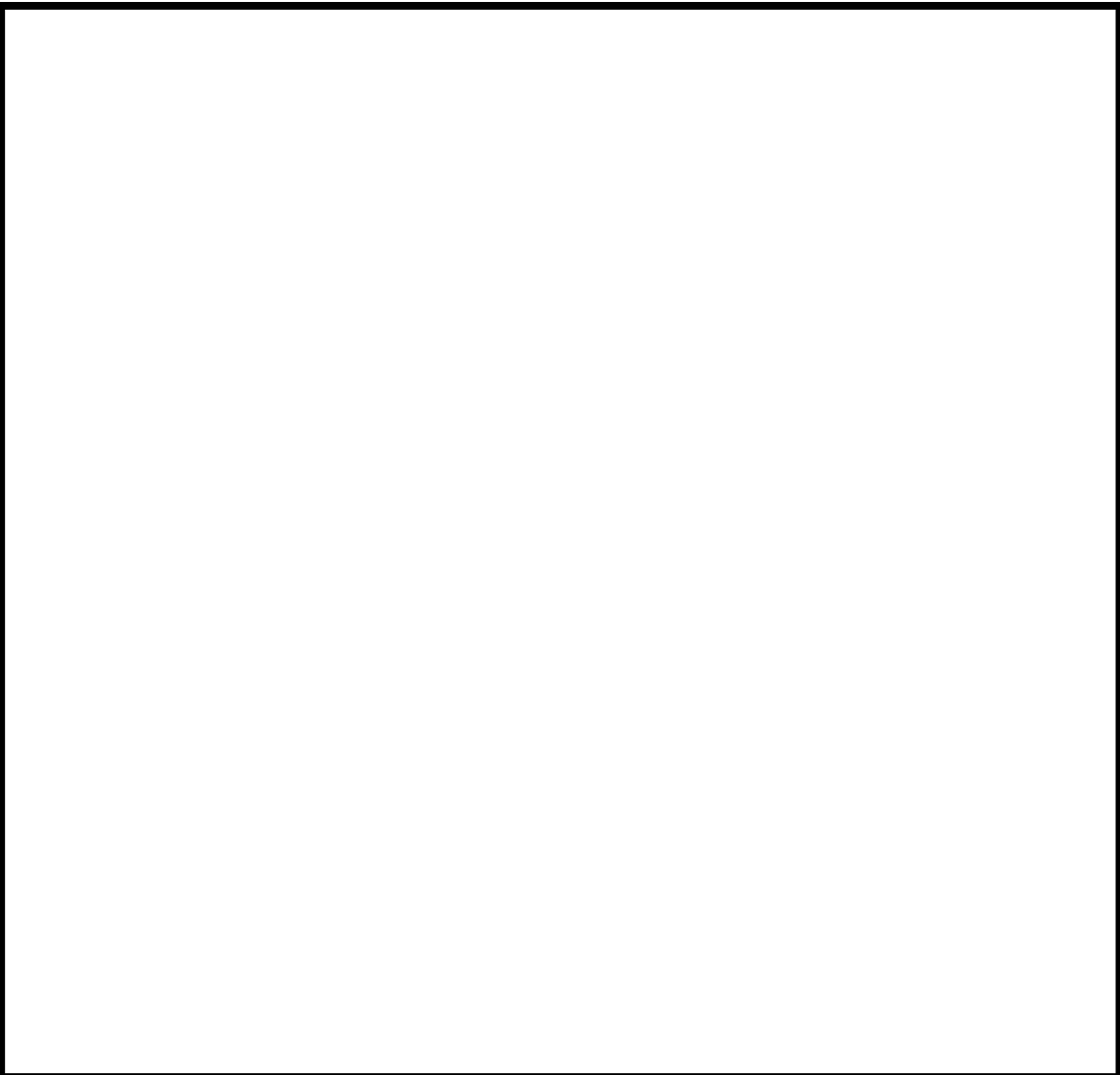
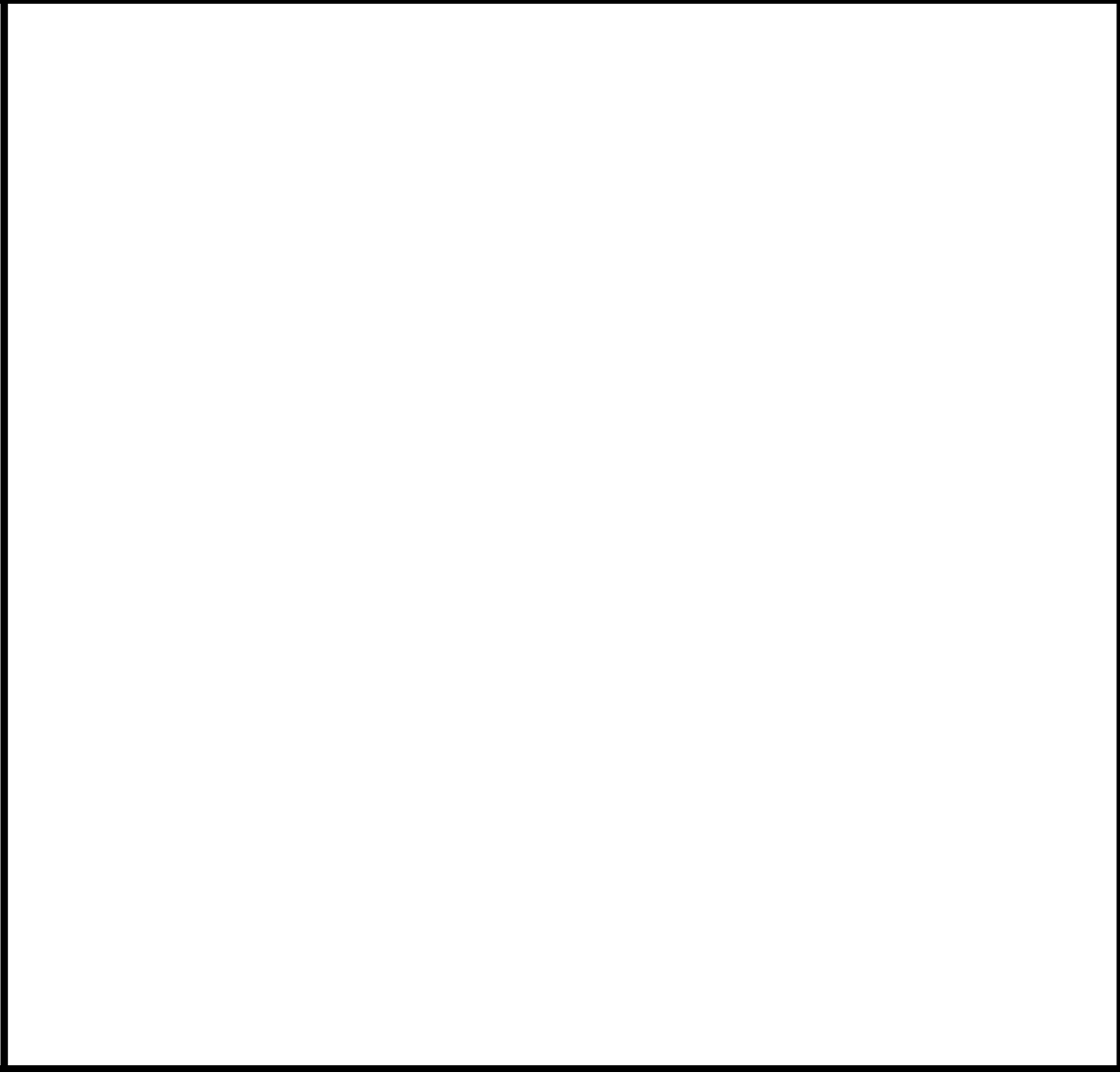
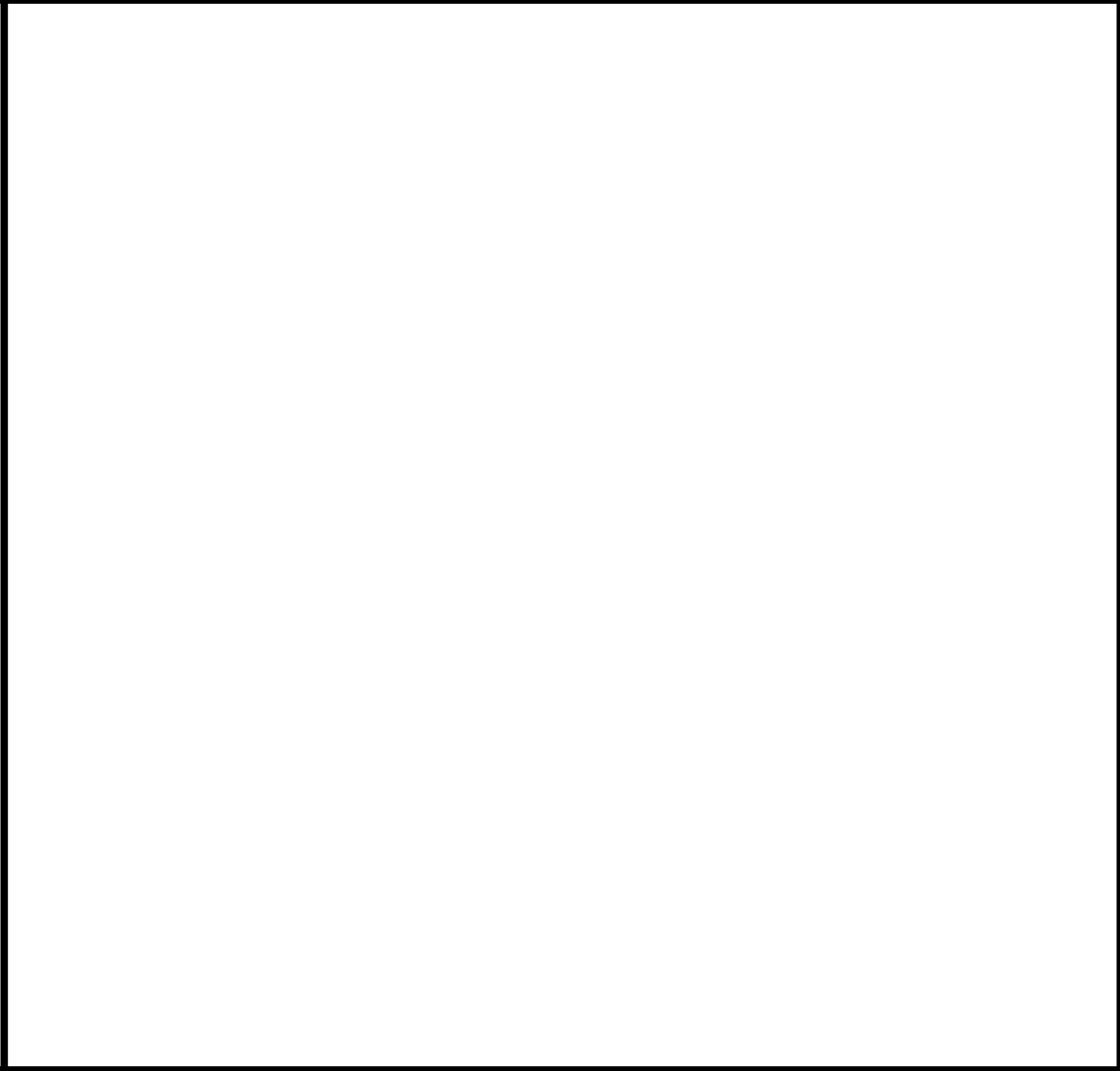
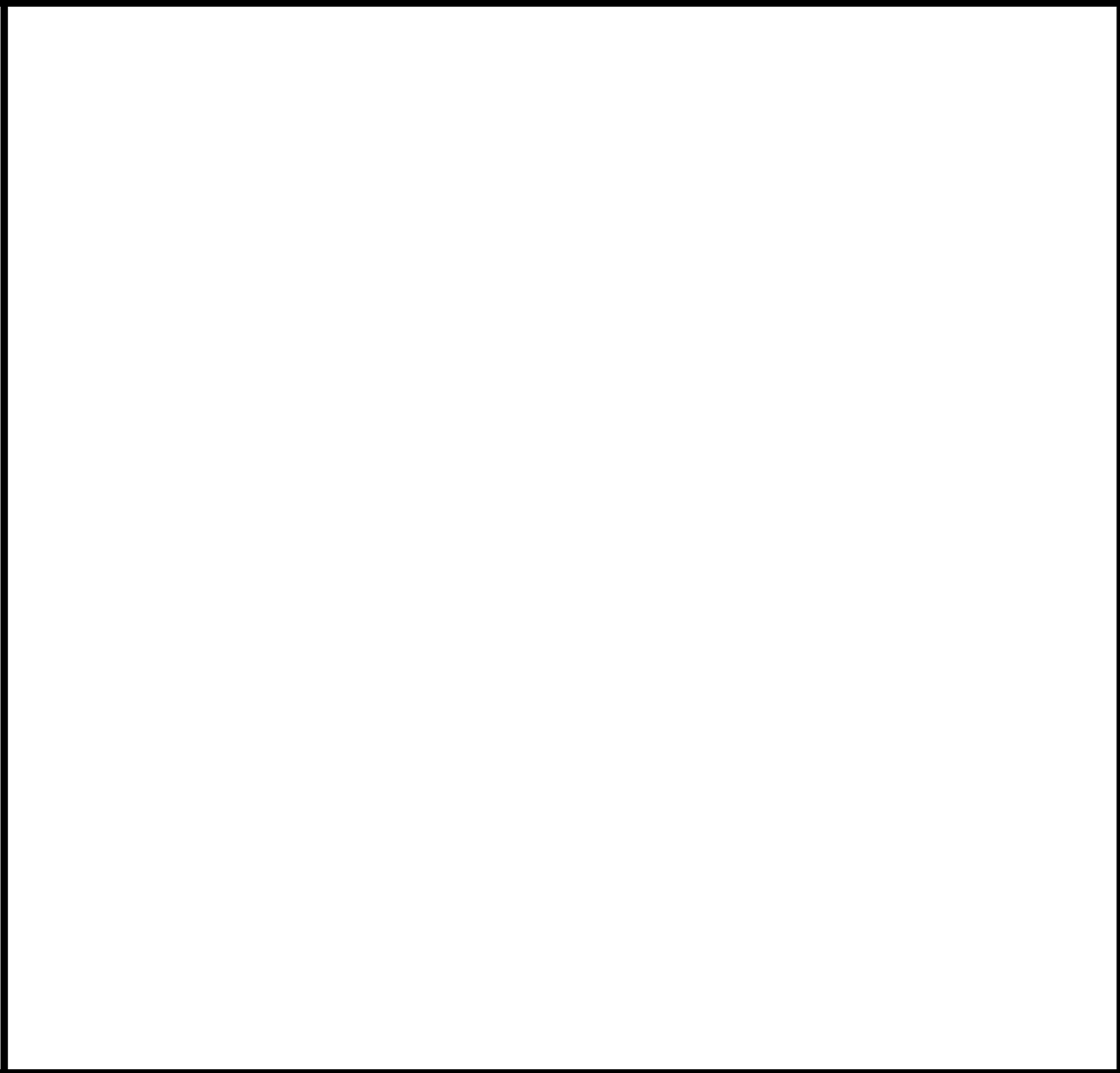
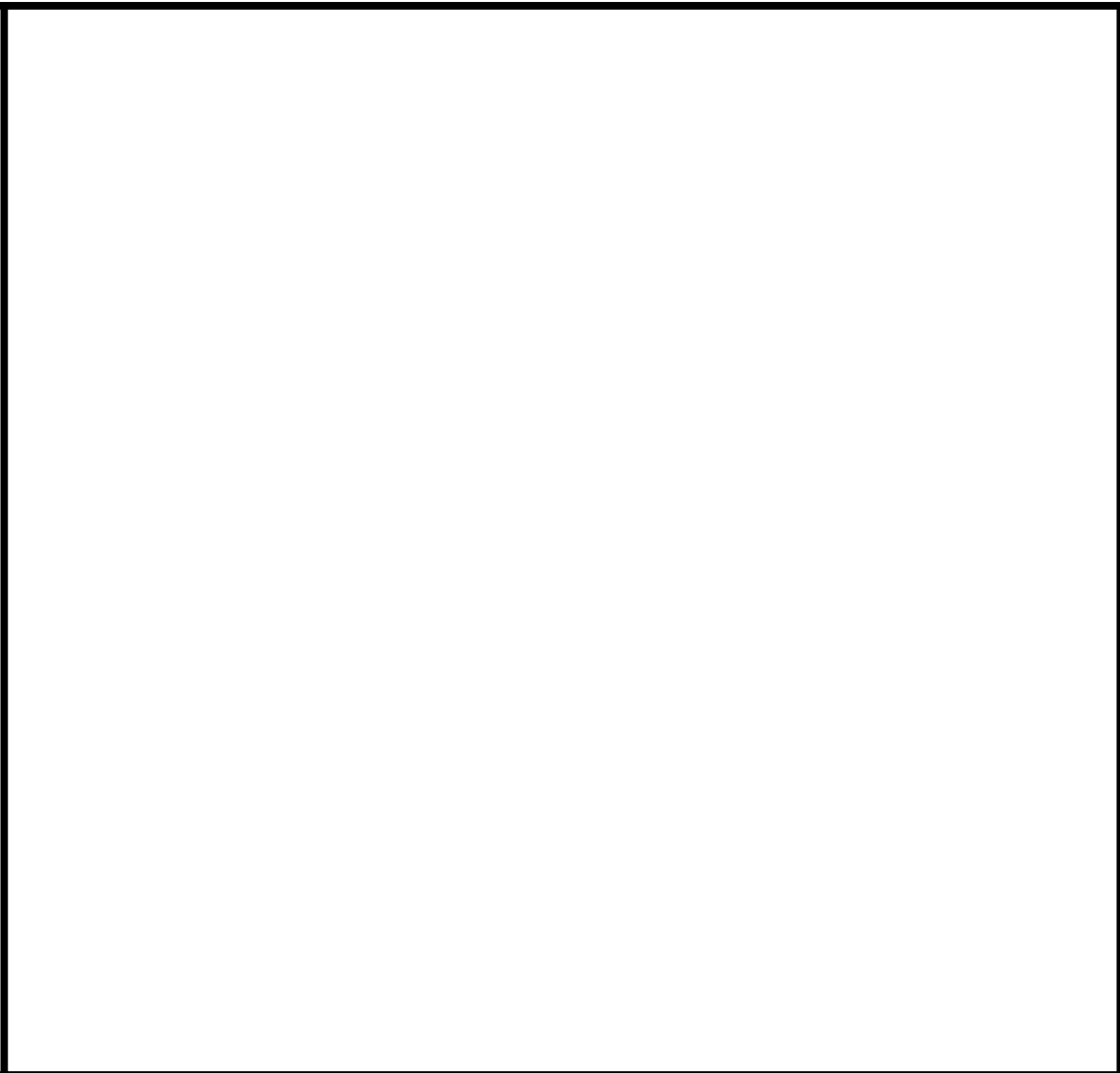
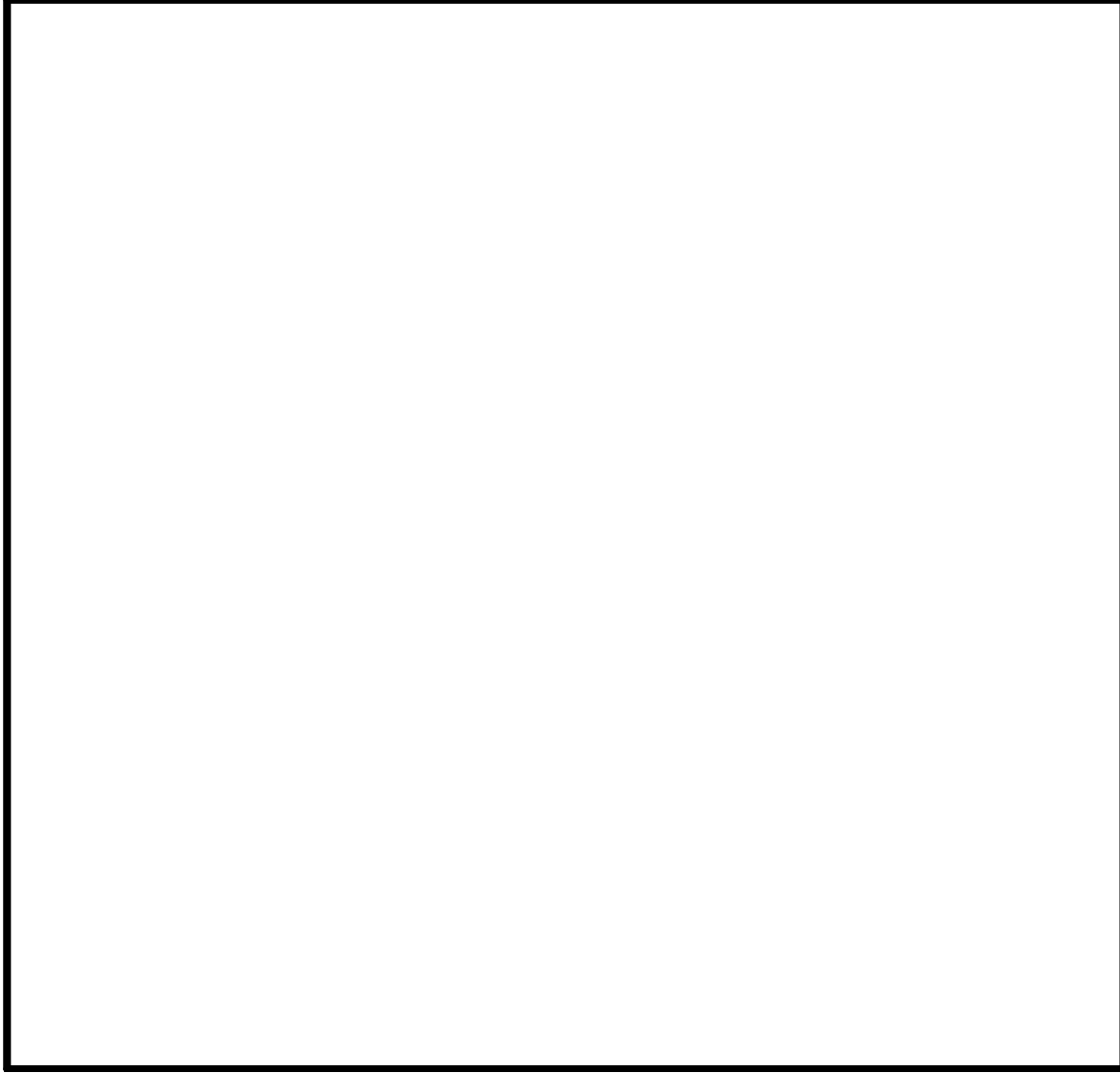
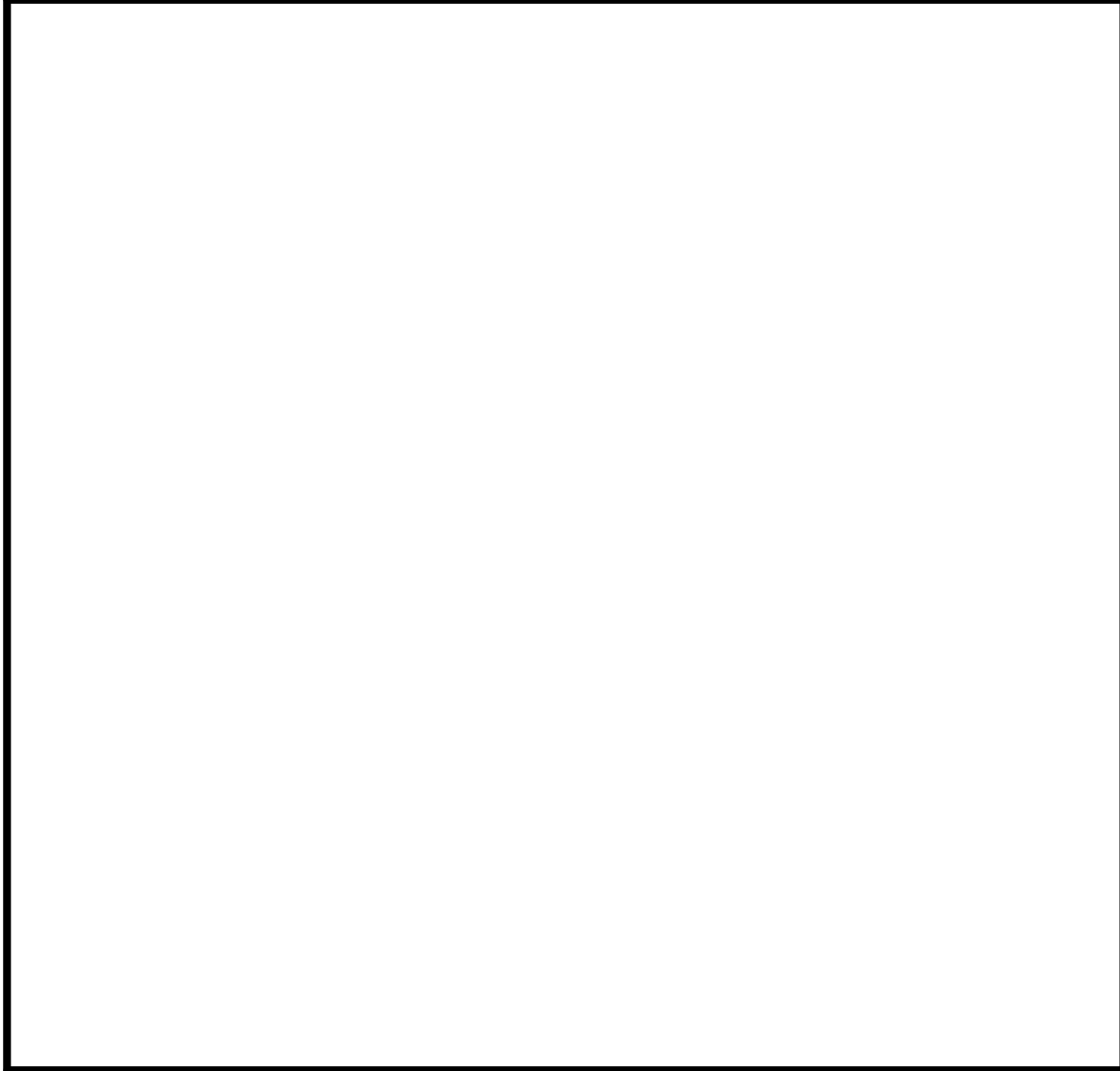
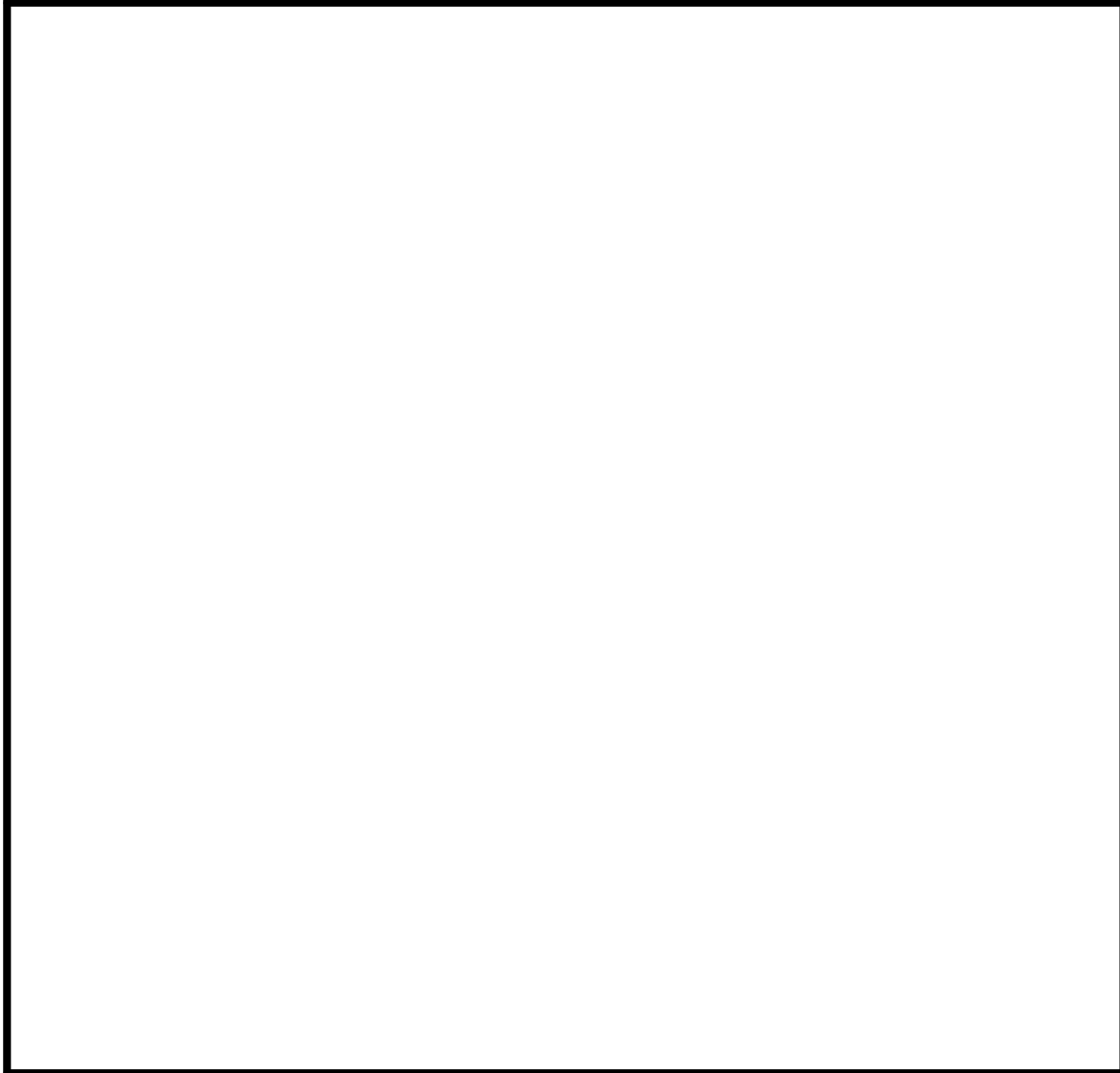
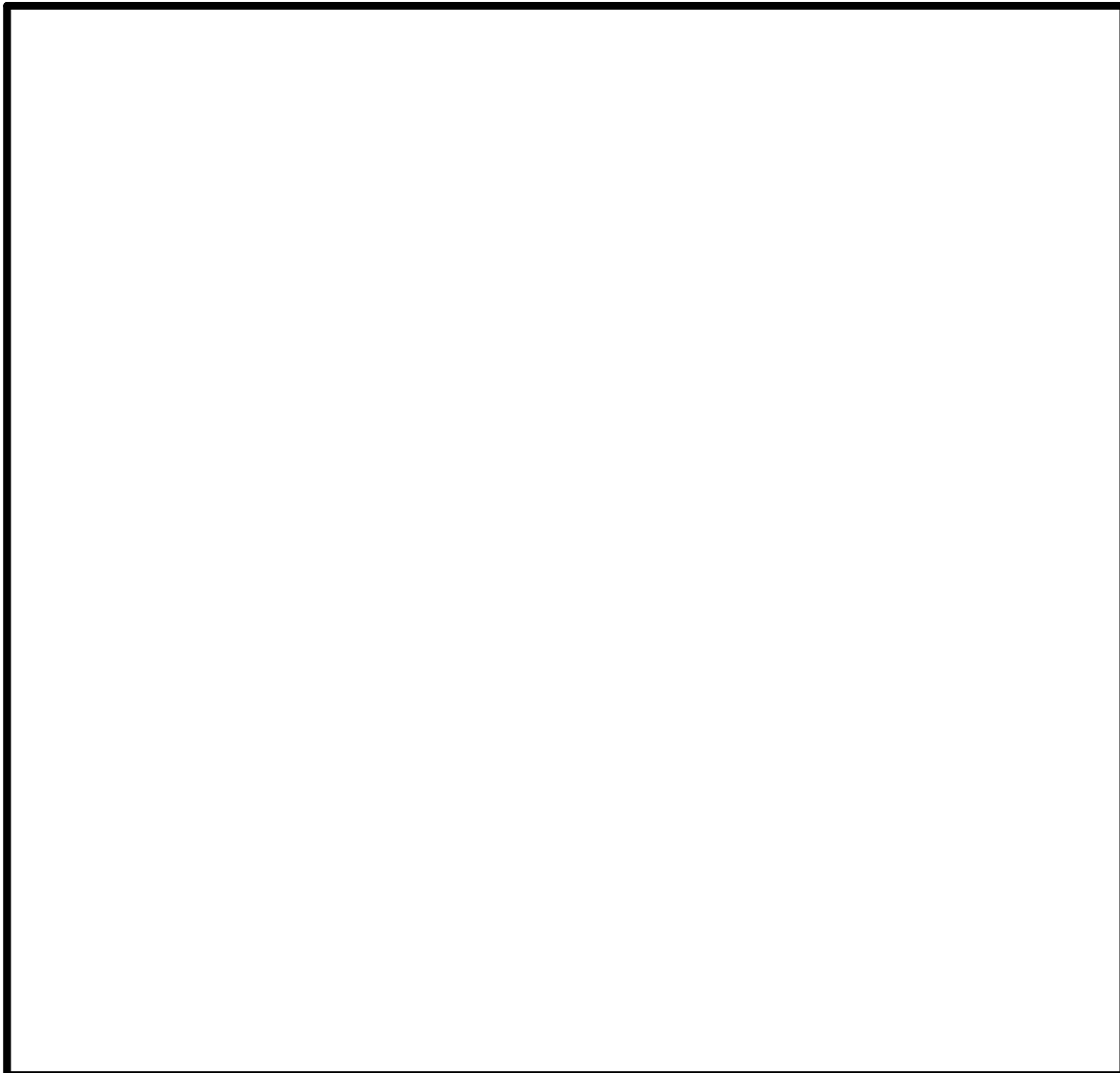
SHEET TITLE

DETAILS

SHEET IDENTIFICATION NUMBER

A-501

PLOT TIME: 2:53 PM
PLOT DATE: 8/6/2024
PLOT NAME: 2361COS Aquatic Center-Modular CD27
B:\Projects\2361 COS Aquatic Center-Modular CD27\2361COS Aquatic Center-Modular CD27.dwg



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MARK	DATE	DESCRIPTION

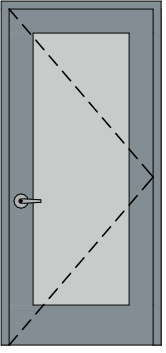
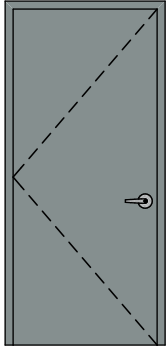
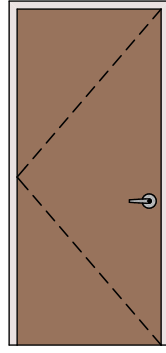
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SHEET IDENTIFICATION NUMBER
A-502

PLOT TIME: 2:53 PM
PLOT DATE: 8/6/2024
PLOT NAME: 2361COS Aquatic Center-Modular CD27

DOOR & FRAME TYPE SCHEDULE

TYPE	A	B	C
ELEVATION			

DOOR FINISH AND MATERIAL KEY

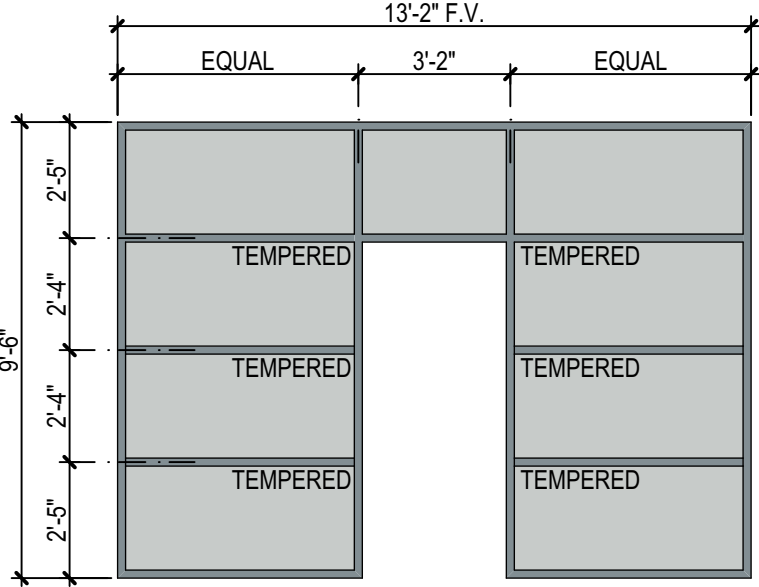
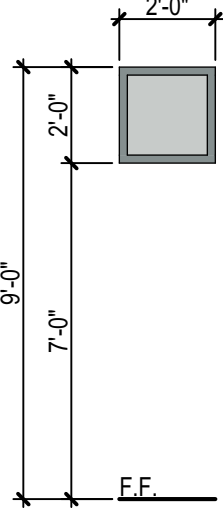
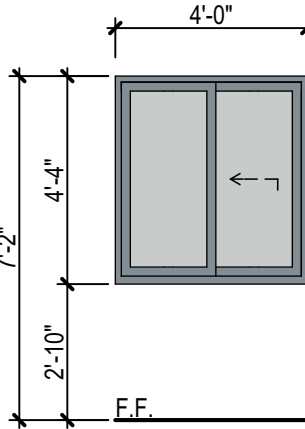
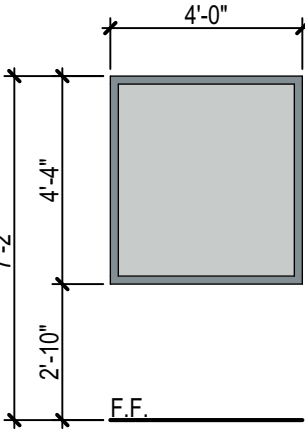
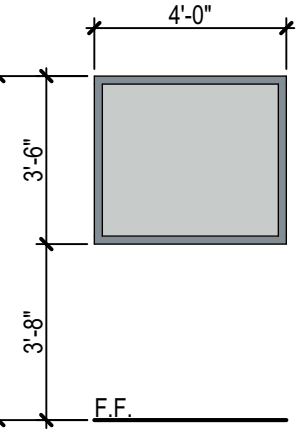
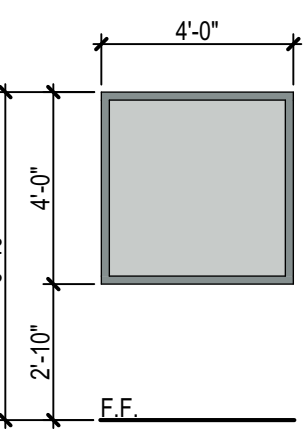
FINISH KEY		MATERIAL KEY	
MARK	FINISH	MARK	MATERIALS
FF	FACTORY FINISH	HM	HOLLOW METAL
P2	PAINT: SEMI-GLOSS ENAMEL	IAF	INTERIOR ALUMINUM FRAME
ST	STAINED	SC WD	SOLID CORE WOOD

DOOR AND FRAME SCHEDULE

DOOR	TYPE	DOOR					FRAME					DOOR RATING	HARDWARE		REMARKS
		SIZE			MATERIAL	FINISH	MATERIAL	FINISH	DETAIL				SET NO.	PANIC	
		W	HT	THK					HEAD	JAMB	SILL				
101	A	3'-0"	7'-0"	1 3/4"	ALUM/GLASS	FF	ALUM	FF	-	-	-	-	01	-	STOREFRONT DOOR
102	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	02	-	-
103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DOOR NOT USED
104a	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	03	-	-
104b	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	05	-	-
105	C	3'-0"	7'-0"	1 3/4"	SC WD	ST	IAF	FF	-	-	-	-	06	-	-
106	C	3'-0"	7'-0"	1 3/4"	SC WD	ST	IAF	FF	-	-	-	-	06	-	-
107	B	3'-0"	7'-0"	1 3/4"	HM	FF	HM	P2	-	-	-	-	04	-	-
108	C	3'-0"	7'-0"	1 3/4"	SC WD	ST	IAF	FF	-	-	-	-	02	-	-
109	B	3'-0"	7'-0"	1 3/4"	HM	FF	HM	P2	-	-	-	-	06	-	-
110	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	07	-	-
111	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	07	-	-
112	A	3'-0"	7'-0"	1 3/4"	ALUM/GLASS	FF	ALUM	FF	-	-	-	-	01	-	STOREFRONT DOOR
113	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	06	-	-
114a	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	03	-	-
114b	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	05	-	-
115	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	06	-	-
116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DOOR NOT USED
117	B	3'-0"	7'-0"	1 3/4"	HM	P2	HM	P2	-	-	-	-	02	-	-

NOTES:
1. ALL DOOR HARDWARE TO BE GRADE 1 MINIMUM

WINDOW TYPE LEGEND

ID	W00	W01	W02	W03	W04	W05
VIEW						
MATERIAL	STOREFRONT	STOREFRONT	ALUMINUM HORIZONTAL SLIDER	STOREFRONT	STOREFRONT	STOREFRONT
FINISH	CLEAR ANODIZED	CLEAR ANODIZED	CLEAR ANODIZED	CLEAR ANODIZED	CLEAR ANODIZED	CLEAR ANODIZED
COLOR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
GLASS TYPE	DOUBLE PANE GLAZING (1" INSULATED GLAZING LOW E UNIT)	DOUBLE PANE GLAZING (1" INSULATED GLAZING LOW E UNIT)	DOUBLE PANE GLAZING (1" INSULATED GLAZING LOW E UNIT)	DOUBLE PANE GLAZING (1" INSULATED GLAZING LOW E UNIT)	DOUBLE PANE GLAZING (1" INSULATED GLAZING LOW E UNIT)	1/4" INCH CLEAR FLOAT GLASS

ROOM FINISH AND MATERIAL KEY

FINISH KEY		MATERIAL KEY	
MARK	FINISH	MARK	MATERIALS
FF	FACTORY FINISH	ACT	SUSP. T-BAR GRID W/ LAY-IN ACOUSTICAL PANELS
P1	PAINT: EGGSHELL ENAMEL	CT	CERAMIC TILE
P2	PAINT: SEMI-GLOSS ENAMEL	EMCF	EPOXY-MARBLE CHIP FLOORING
		EMCBS	EPOXY-MARBLE CHIP FINISH OVER PRECAST COVE BASE SYSTEM
		GYP	5/8" GYP BOARD, TAPE, SAND & MEDIUM TEXTURE
		TBB	5/8" TILE BACKERBOARD

ROOM #	ROOM NAME	FLOOR		BASE		WAINSCOT		WALL A		WALL B		WALL C		WALL D		CEILING		REMARKS
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
101	LOBBY	EMCF	FF	EMCBS	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	GYP	P1	-
102	UNISEX RESTROOM	EMCF	FF	EMCBS	FF	CT	FF	GYP; TBB	P2	GYP; TBB	P2	GYP; TBB	P2	GYP; TBB	P2	GYP	P1	-
103	LOCKERS	EMCF	FF	EMCBS	FF	-	-	CT OVER TBB	FF	CT OVER TBB	FF	CT OVER TBB	FF	CT OVER TBB	FF	GYP	P1	-
104	MEN'S RESTROOM	EMCF	FF	EMCBS	FF	-	-	CT OVER TBB	FF	CT OVER TBB	FF	CT OVER TBB	FF	CT OVER TBB	FF	GYP	P1	-
105	STORAGE	EMCF	FF	RTSB	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	ACT	FF	-
106	JANITOR	EMCF	FF	EMCBS	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	GYP	P1	REFER TO INTERIOR ELEVATIONS FOR LOCATION OF TILE WAINSCOT
107	CONCESSION	EMCF	FF	EMCBS	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	ACT	FF	-
108	UNISEX RESTROOM	EMCF	FF	EMCBS	FF	CT	FF	GYP; TBB	P2	TBB	P2	GYP; TBB	P2	GYP; TBB	P2	GYP	P1	-
109	STORAGE	EMCF	FF	EMCBS	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	GYP	P1	-
110	OFFICE	EMCF	FF	EMCBS	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	ACT	FF	-
111	RECEPTION	EMCF	FF	EMCBS	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	GYP	P1	-
112	HALLWAY	EMCF	FF	EMCBS	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	GYP	P1	-
113	JANITOR	EMCF	FF	EMCBS	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	GYP	P1	REFER TO INTERIOR ELEVATIONS FOR LOCATION OF TILE WAINSCOT
114	WOMEN'S RESTROOM	EMCF	FF	EMCBS	FF	-	-	CT OVER TBB	FF	CT OVER TBB	FF	CT OVER TBB	FF	CT OVER TBB	FF	GYP	P1	-
115	ELECTRICAL	EMCF	FF	EMCBS	FF	-	-	GYP	P2	GYP	P2	GYP	P2	GYP	P2	GYP	P1	-
116	LOCKERS	EMCF	FF	EMCBS	FF	-	-	CT OVER TBB	FF	CT OVER TBB	FF	CT OVER TBB	FF	CT OVER TBB	FF	GYP	P1	-
117	UNISEX RESTROOM	EMCF	FF	EMCBS	FF	CT	FF	GYP; TBB	P2	TBB	P2	GYP; TBB	P2	GYP; TBB	P2	GYP	P1	-



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SHEET TITLE

DOOR, WINDOW, AND
FINISH SCHEDULES

SHEET IDENTIFICATION NUMBER

A-601



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Alex Gonzalez, Deputy Public Works Director

SUBJECT: POLICE DEPARTMENT SUBSTATION - MODULAR BUILDING
PROJECT (#PD00001) RELEASE FOR PUBLIC BIDDING

RECOMMENDATION

Council find that this action is exempt from the California Environmental Quality Act; approve the plans and specifications for the Police Department Substation Modular Building Project (#PD00001); and authorize the project to be released for public bidding.

BACKGROUND

The City has been working toward constructing a new Police Department Substation at Gossamer Grove to enhance public safety and community services in the area. In 2022, the City secured a \$6 million grant from the State of California to fund a portion of this project. The facility will not only house the police substation but also include city services space, a satellite library, and a community room, providing multiple services for nearby residents.

The City engaged TETER, Inc., an architectural and engineering firm, to develop site layouts and building specifications. Working closely with the City, TETER, Inc. completed the final plans, which include designs for a modular building to house these services. With the design phase now complete, the plans and specifications are ready to be released for public bidding, allowing the City to proceed with the next phase of the project.

FISCAL IMPACT

There is no fiscal impact associated with the current action of authorizing the release of plans and specifications for public bidding. Any fiscal impact will be presented to the City Council for consideration once bids have been received and an award recommendation is requested.

CEQA ANALYSIS

The action is not defined as a “project” per Section 15378(b)(5) of the CEQA Guidelines because the action is approval of a release for public bidding for a project that has already been environmentally cleared and therefore, it is organizational and administrative activity that will not result in direct or indirect physical changes to the environment and not subject to CEQA.

APPROVED BY THE CITY ATTORNEY

CONSENT CALENDAR

**POLICE DEPARTMENT SUBSTATION - MODULAR BUILDING PROJECT (#PD00001) RELEASE
FOR PUBLIC BIDDING**

Not Applicable

ATTACHMENTS

1. Police Department Substation - Modular Building Plans

MODULAR BLDG. BID PACKAGE

PROJECT ADDRESS: 8919 FOREST VILLAGE DR.
SHAFTER, CA 93263
ASSESSORS PARCEL NO.: 482-200-8052
ZONE: SP - SPECIFIC PLAN
PARCEL SIZE: 0.24 ACRES, 92,420 S.F.
PROPOSED USE: POLICE SUBSTATION & CITY SERVICES BLDG.
GOVERNING AGENCY: CITY OF SHAFTER
CONSTRUCTION: TYPE VB, SPRINKLERED
OCCUPANCY: A-3, NON-SEPARATED

THIS PROJECT PROVIDES A NEW POLICE SUBSTATION AND CITY SERVICES TO RESIDE IN SEPARATE AREAS OF A SINGLE BUILDING AND OPERATE INDEPENDENTLY. THE PROPOSED BUILDING DESIGN AND LAYOUT IS DONE TO PROVIDE BRIDGING DOCUMENTS TO BE USED BY MODULAR MANUFACTURING FOR BIDDING. IT IS EXPECTED THE MODULAR BUILDING MANUFACTURER SHALL EXPAND THESE DOCUMENTS TO YIELD FULL BUILDING PLANS TO BE SUBMITTED FOR APPROVAL.

THE POLICE SUBSTATION, LOCATED ON THE LEFT PORTION OF THE BUILDING, CONTAINS A LOBBY, OFFICE SPACES, ARMORY/EVIDENCE STORAGE, LIVESCAN ROOM, INTERVIEW ROOM, CONFERENCE ROOM, OFFICER WORKSTATIONS, WELLNESS ROOM, BREAK ROOM, DATA TELECOM ROOM, ELECTRICAL ROOM, JANITOR ROOM, AND SHOWERS/RESTROOMS.

THE CITY SERVICES, LOCATED ON THE RIGHT PORTION OF THE BUILDING, WILL INCLUDE THE CITY ANNEX LOBBY, CITY SERVICES SPACES, PUBLIC SERVICE AREA, COPY ROOM, STORAGE ROOMS, OFFICE SPACES, BREAK ROOM, CUSTODIAN ROOM, COMMUNITY ROOM, RESTROOMS, AND LIBRARY.

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (CAC), PART 1
2024 CALIFORNIA EFFECTIVE JULY 1, 2024

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2022 CALIFORNIA ENERGY CODE (CEC), PART 3, TITLE 24 C.C.R.

2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.

2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.

2022 CALIFORNIA FIRE ALARM AND SIGNALING CODE (FASC), PART 6, TITLE 24 C.C.R.

2022 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24, PART 12

2022 CALIFORNIA ENERGY CODE (CAC), C.C.R. TITLE 24, PART 6

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), C.C.R.
TITLE 24, PART 12

C.C.R. TITLE 19 PUBLIC SAFETY

NFPA 13-22 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
(AS AMENDED)

NFPA 24-22 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR
APPURTENANCES (AS AMENDED)

NFPA 13-50A CALIFORNIA EDITION) INSPECTION, TESTING, AND
MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS

NFPA 72-22 NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED)

UL 864-22 MANUAL AND AUTOMATIC SMOKE SIGNALING BOXES (AS AMENDED)

UL 268-16 SMOKE DETECTORS FOR FIRE ALARM SYSTEMS

UL 268A-09 SMOKE DETECTORS FOR DUCT APPLICATION (AS AMENDED)

UL 464-03 AUDIBLE SIGNAL APPLIANCES (AS AMENDED)

UL 1016-08 SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS
(AS AMENDED)

UL 1424 CABLES FOR POWER-LIMITED FIRE-ALARM CIRCUITS (2020 EDITION)
UL 1424-18 CABLES FOR POWER-LIMITED FIRE-ALARM CIRCUITS (2020 EDITION)

AMERICANS WITH DISABILITIES ACT

- A. SECURITY SYSTEM
- B. FIRE SPRINKLER SYSTEM
- C. FIRE ALARM



SHEET INDEX

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E-MAIL: david.mendoza@teterae.com

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CONTACT: MATT SODERSTROM

E-MAIL: matt.soderstrom@teterae.com

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1200 DISCOVERY DR., #160
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CONTACT: JASON MARCH

E-MAIL: jason.march@teterae.com

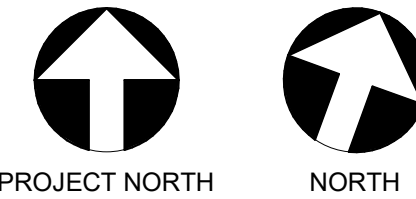
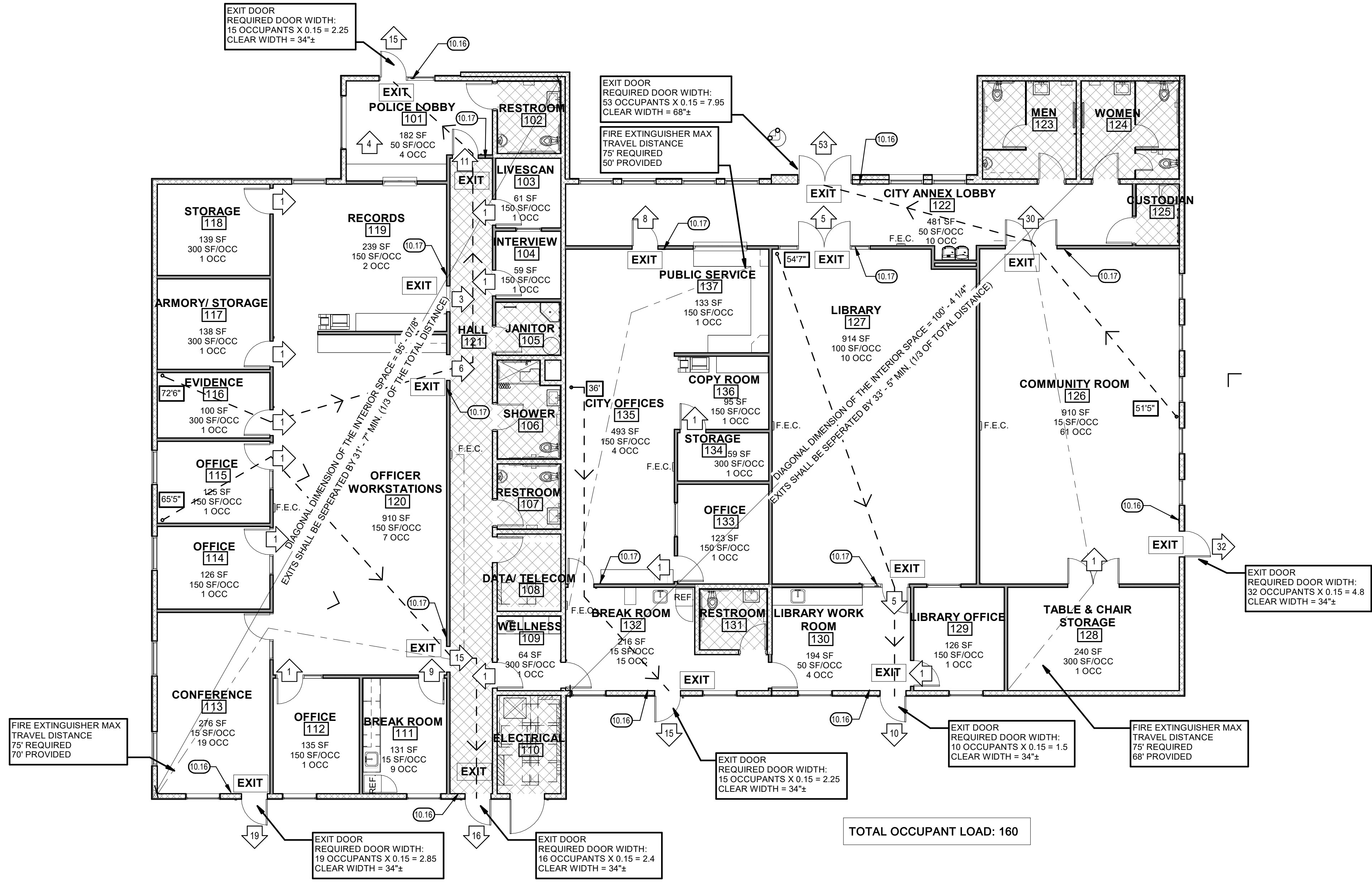
DOOR HARDWARE
ASSA ABLOY

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EMAIL: charles.gallo@assaabloy.com

CITY OF SHAFTER
POLICE SUBSTATION AND
CITY SERVICES BUILDING
SHAFTER, CA
DRAWING TITLE
COVER

\\let-file1\Users\tyler.dinis_TETR\Documents\12529-A-Shafter Police Station_Tyler.dinis.rvt

PLOT DATE: 10/4/2024 4:22:49 PM



CODE ANALYSIS & EGRESS PLAN

1/8" = 1'-0" 3

PLUMBING FIXTURE CALCULATION

CPC CHAPTER 4 - TABLE 4.1. OCCUPANT LOAD FOR PLUMBING FIXTURES:
ASSEMBLY: 30 SF/OCC
BUSINESS: 150 SF/OCC
LIBRARY: 50 SF/OCC

BUILDING OCCUPANCY TYPE: A-3

POLICE SUBSTATION CPC TABLE 422.1 MINIMUM PLUMBING FACILITIES:									
ASSEMBLY	407 SF/ (30 SF/OCC) = 14 OCC	WC M	F	URN M	LAVS M	SHWR	DF	MS	
BUSINESS	2,282 SF/ (150 SF/OCC) = 16 OCC								
TOTAL: 30 OCC (15M, 15F)		1	1	1	1	--	1	1	
TOTAL REQUIRED		1	1	1	1	--	1	1	
TOTAL PROVIDED		1	2	2	1	2	1	1	

*DRINKING FOUNTAINS SHALL NOT BE REQUIRED FOR AN OCCUPANT LOAD OF 30 OR LESS,
PER CPC 2022, 415.2

CITY SERVICES CPC TABLE 422.1 MINIMUM PLUMBING FACILITIES:									
ASSEMBLY	1,123 SF/ (30 SF/OCC) = 38 OCC	WC M	F	URN M	LAVS M	SHWR	DF	MS	
BUSINESS	1,194 SF/ (150 SF/OCC) = 13 OCC								
LIBRARY	916 SF/ (50 SF/OCC) = 19 OCC								
TOTAL: 70 OCC (35M, 35F)		1	2	1	1	--	1	1	
TOTAL REQUIRED		1	2	1	1	--	1	1	
TOTAL PROVIDED		2	2	1	2	1	--	1	1

BUILDING ANALYSIS

A. OCCUPANCY CLASSIFICATION(S) (CBC SECTION 302):

- 'A-3', ASSEMBLY (GENERAL)
- 'B', BUSINESS
- 'S-1', MODERATE-HAZARD STORAGE

B. CONSTRUCTION TYPE (CBC 602):

TYPE VB, SPRINKLERED

C. HEIGHT IN FEET:

- ALLOWABLE (CBC TABLE 504.3)

- 'A' OCCUPANCY, S: 60'
- 'B' OCCUPANCY, S: 60'
- 'S-1' OCCUPANCY, S: 60'

- ACTUAL: 20' - 0", OK

D. HEIGHT IN STORIES:

- ALLOWABLE (CBC TABLE 504.4)

- 'A-3' OCCUPANCY, S: 2 STORIES
- 'B' OCCUPANCY, S: 3 STORIES
- 'S-1' OCCUPANCY, S: 2 STORY

- ACTUAL: 1 STORY ABOVE GRADE, OK

E. AREA:

- ALLOWABLE AREA (CBC 506)
 - ALLOWABLE AREA BASED ON CBC TABLE 506.2)
 - BUILDING IS DESIGNED AS SINGLE OCCUPANCY UNDER THE PROVISIONS OF CBC SECTION 508.3 FOR NON-SEPARATED OCCUPANCIES USING THE HEIGHT AND AREA FACTORS FOR AN 'A-3' OCCUPANCY AS BEING THE MOST RESTRICTIVE
 - 'A-3', S1: 24,000 SF ALLOWED
 - ACTUAL AREA: 8,362 SF, OK

EGRESS

- EXIT ACCESS TRAVEL DISTANCE (2022 CBC SECTION 1017 & TABLE 1017.2): 250'-0" MAX. MAX DISTANCE IS 72'-6" FROM EVIDENCE ROOM
- NUMBER OF EXITS REQUIRED (2022 CBC SECTION 1006 & TABLE 1006.2.1)
 - 2 EXITS REQUIRED FOR OCCUPANT LOADS WITH 49-500 OCC.
 - 2, 6 EXITS PROVIDED
- EGRESS WIDTH COMPONENT (2022 CBC SECTION 1005.3.2): 0.2"/OCC. REQUIRED CLEAR EXIT WIDTH CAN BE CALCULATED USING A CAPACITY FACTOR OF 0.15"/OCC IF THE GROUP IS NOT H OR I-2 AND IF THE BUILDING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER (CBC 2022 1005.3.2, EXCEPTION 1).

OCCUPANT LOAD FACTORS

PER 2022 CALIFORNIA BUILDING CODE TABLE 1004.5

- ACCESSORY (STORAGE, MECH. EQUIP.): 300 SF/OCC. GROSS
- ASSEMBLY (UN-CONCENTRATED): 15 SF/OCC. NET
- BUSINESS AREA: 150 SF/OCC. GROSS
- CONCENTRATED BUSINESS USE AREA: 50 SF/OCC. GROSS
- LIBRARY: READING ROOM 100 SF (GROSS) / OCC

KEYNOTES

- 10.16 TACTILE "EXIT" SIGN TE-1
10.17 TACTILE "EXIT ROUTE" SIGN TE-2

LEGEND

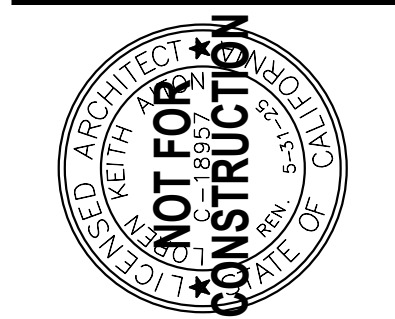
- PATH OF TRAVEL
MOST REMOTE OCCUPIED LOCATION
DIRECTION OF EGRESS
FIRE EXTINGUISHER PATH OF TRAVEL
NUMBER OF OCCUPANTS EXITING
ROOM NAME & NUMBER
ROOM AREA
OCCUPANT LOAD FACTOR
CALCULATED OCCUPANT LOAD
F.E.C.
FIRE EXTINGUISHER & CABINET, SEE 7 / A802
HATCH 1 (CROSSHATCH)
ACCESSORY USE, NOT INCLUDED IN CALCULATIONS

GENERAL NOTES

- A. FOR SIGNAGE REQUIREMENTS, SEE 4 / A801

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MARK	DATE	DESCRIPTION
	09/09/2024	95% DESIGN DEVELOPMENT



TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

ARCHITECTS ENGINEERS CONNECTED



CITY OF SHAFTER
POLICE SUBSTATION AND
CITY SERVICES BUILDING
SHAFTER, CA

DRAWING TITLE
CODE ANALYSIS & EGRESS PLAN

PROJECT NO.

22-12529.01

DRAWING

G001

Note: This sample form may be used to assist in documenting compliance with the Waste Management Plan.

Waste Hauling Co: _____

The Foreman for each new Subcontractor that comes on site is to receive a copy of the Construction Waste Management Plan and complete the Acknowledgment Form.

I have read the Waste Management Plan for the project; I understand the goals of this plan and agree to follow the procedures described in this plan.

I certify that this Certificate of Compliance documentation is accurate and complete. I certify that the features and performance specifications for the design identified on this Certificate of Compliance conform to the requirements of Title 24, Parts 11 of the California Code of Regulations. The design features identified on this Certificate of Compliance are consistent with the information documented on other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with the permit application. Signature: _____	
Company _____	Date: _____
Address: _____	License: _____
City/State/Zip _____	Phone: _____

Note: This sample form may be used to assist in documenting compliance with the Waste Management plan.

Contact Name:

All Subcontractors s
All Subcontractor foremen shall sign the CWM Plan Acknowledgement Sheet

Subcontractors who fail to comply with the Waste Management Plan will be subject to backcharges or withholding of payment, as deemed appropriate. For instance, Subcontractors who contaminate debris boxes that have been designated for a single material type will be subject to backcharge or withheld payment, as deemed appropriate.

1. Diversion will be _____%.
2. This project shall generate the least amount of waste possible by planning and ordering carefully, following all proper storage and handling procedures to reduce broken and damaged materials and reusing materials whenever possible. The majority of the waste that is generated on this jobsite will be diverted from the landfill and recycled for other use.
3. Worksheet, enclosed, identifies the waste materials that will be generated on this project, the diversion strategy for each waste type and the anticipated diversion rate.
4. Waste prevention and recycling activities will be discussed at the beginning of weekly subcontractor meetings. As each new subcontractor comes on-site, the WMP Coordinator will present him/her with a copy of the CWM Plan and provide a tour of the jobsite to identify materials to be salvaged and the procedures for handling jobsite debris. Each Subcontractor foreman will acknowledge in writing that they have read and will abide by the CWM Plan. Subcontractor Acknowledgement Sheet enclosed. The CWM Plan will be posted at the jobsite.
5. Salvage: Excess materials that cannot be used in the project, nor returned to the vendor, will be offered to site workers, the owner, or donated to charity if feasible.
6. _____, (Hauling Company), will provide a commingled drop box at the jobsite for most of the construction waste. These commingled drop boxes will be taken to _____, (Sorting Facility Name and Location). The average diversion rate for commingled waste will be _____%. As site conditions permit, additional drop boxes will be used for particular phases of construction (e.g., concrete and wood waste) to ensure the highest waste diversion rate possible.
7. In the event that the waste diversion rate achievable via the strategy described in (6) above, is projected to be lower than what is required, then a strategy of source-separated waste diversion and/or waste stream reduction will be implemented. Source separated waste refers to jobsite waste that is not commingled but is instead allocated to a debris box designated for a single material type, such as clean wood or metal.

1. Waste stream reduction refers to efforts taken by the builder to reduce the amount of waste generated by the project to below four (4) pounds per square foot of building area.
2. When using waste stream reduction measures, the gross weight of the product is subtracted from a base weight of four (4) pounds per square foot of building area. This reduction is considered additional diversion and can be used in the waste reduction percentage calculations.

8. _____, (Hauling Company) will track and calculate the quantity (in tons) of all waste leaving the Project and calculate the waste diversion rate for the project. The Hauling Company will provide Project Manager with an updated monthly report on gross weight hauled and the waste diversion rate being achieved on the project. The Hauling monthly report shall track separately the weights of debris for collection by contractors and for reuse or source separation, excluding leaving the project. In the event that the Hauling Company does not service any or all of the debris boxes on the project, the Hauling Company, will work with the responsible parties to track the material type and weight (in tons) in such debris in order to determine waste diversion rates for these materials.
9. In the event that Subcontractors furnish their own debris boxes as part of their scope of work, such Subcontractors shall not be excluded from complying with the CWM Plan and will provide Hauling Company weight and waste diversion data for their debris boxes.
10. In the event that site use constraints (such as limited space) restrict the number of debris boxes that can be used for collection of designated waste the project Superintendent will, as deemed appropriate, allocate specific areas onsite where individual material types can be considered. Debris boxes that are not to be collected with non-designated waste will be identified by signage.
11. Debris from jobsite offices and meeting rooms will be collected by _____ (Disposal Service Company). The Disposal Service Company will, at minimum, recycle office paper, plastic, metal and cardboard.

1/3/11

Note: This sample form may be used to assist in documenting compliance with the Waste Management plan

Waste Hauling Co:

Contractor (Documentation Author/Responsible Designer) I certify that this Certificate of Compliance documentation is accurate and complete. I certify that the features and performance specifications for the design identified on this Certificate of Compliance conform to the requirements of Title 24, Parts 11 of the California Code of Regulations. The design features identified on this Certificate of Compliance are consistent with the information documented on other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with the permit application.	
Signature:	
Company:	Date:
Address:	License:
City/State/Zip:	Phone:

1/3/11

1. If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.
2. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168, <http://www.arb.ca.gov/DRDB/SC/CURHMT/RI1168.PDF>.

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168.

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168.

1. Grams of VOC per liter of coating, including water and including exempt compounds.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
3. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

CALIFORNIA GREEN BUILDING STANDARDS CODE 2022
NON-RESIDENTIAL MANDATORY MEASURES

Project Name: City of Shafter Police Substation and City Offices
Project Number: 23-12529.01
Date: 5/28/2024

DIVISION 5.2 - ENERGY EFFICIENCY					
Code Section	Requirement	Phase	Discipline	Sheet Reference Spec Reference	Comments
5.201.1	California Energy Code Mandatory Building Standards	Design			Building complies with California Energy Code

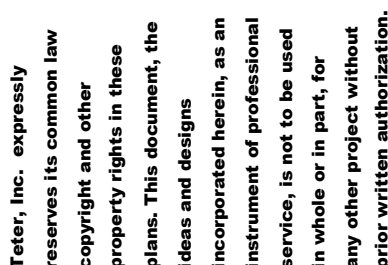
2022 CALGreen Non Residential Mandatory Checklist Page 1 of 1

DIVISION 5 - ENVIRONMENTAL QUALITY					
Code Section	Requirement	Phase	Discipline	Sheet Reference Spec Reference	Comments
5.503.1	Fireplaces	-	N/A	-	
5.503.1.1	Woodstoves	-	N/A	-	
5.504.1.3	Temporary Ventilation	-	N/A	-	HVAC Systems will not be used for temporary ventilation
5.504.3	Covering of Door Openings & Protection of Mechanical Equipment During Construction	Construction	CR	See Mechanical	Ducts will be covered during construction prior to completion
5.504.4	Finish Material Pollutant Control	-	-	-	See below
5.504.4.1	Adhesives, Sealants, Caulks	Design	A	-	See tables
5.504.4.3	Paints & Coatings	Design	A	-	See tables
5.504.4.3.1	Paints & Coatings: Aerosol Paints & Coatings	-	N/A	-	
5.504.4.3.2	Paints & Coatings: Verification	Construction	CR	-	Contractor shall maintain VOC documentation in on-site MSDS binder
5.504.4.4	Carpet Systems	Design	A	-	See tables
5.504.4.4.1	Carpet Systems: Carpet Cushion	Design	A	-	See tables
5.504.4.4.2	Carpet Systems: Carpet Adhesive	Design	A	-	See tables
5.504.4.5	Composite Wood Products	Design	A	-	See tables
5.504.4.6	Resilient Flooring Systems	Design	A	-	See tables
5.504.4.7	Thermal Insulation	Design	A	-	See tables
5.504.4.8	Acoustical ceilings and wall panels	Design	A	-	See tables
5.504.5.3	Filters	Design	M	-	Filters conforms to CEC requirements
5.504.7	Environmental Tobacco Smoke (ETS) Control	Permit	O	-	No smoking permitted within the building
5.505.1	Indoor Moisture Control	Design	M	-	Mechanical vent provided
5.506.1	Outside Air Delivery	Design	M	-	Ventilation conforms to CEC requirements
5.508.2	Carbon Dioxide (CO2) Monitoring	Design	M	-	Provided at required rooms
5.507.4.1	Acoustical Control: Exterior Noise Transmission	-	-	-	
5.507.4.3	Acoustical Control: Interior Sound	-	-	-	
5.508.1	Ozone depletion and global warming reductions (no CFCs and Halons)	Design	M	-	No CFCs or Halons used in equipment

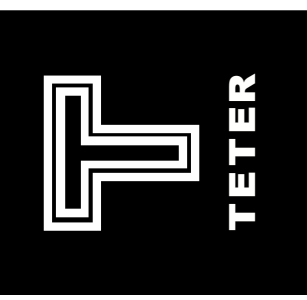
Phase Description	Discipline Abbreviations
Design	O Owner
Permit	C Civil Engineer
Construction	CR Contractor
Post Construction	A Architect
	P Plumbing Designer
	M Mechanical Engineer
	E Electrical Engineer
	L Landscape Designer
	CxA Commissioning Agent
	NA Not Applicable

2022 CALGreen Non Residential Mandatory Checklist

Page 2 of 2

[illegible]

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FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED



PROJECT NO.	CITY OF SHAFTER POLICE SUBSTATION AND CITY SERVICES BUILDING SHAFTER, CA
	DRAWING TITLE
	PROJECT INFORMATION/ CAL GREEN

22-12529.01

DRAWING

DRAWING

G002

CONTRACTOR
TETER, INC.
7535 N. PALM AVENUE, SUITE 201
FRESNO, CA 93720
ATTN: KEVIN BORNHEDT
TEL: (559) 437-0887

PREPARED BY
GALLOWAY & COMPANY, INC.
575 E. LOCUST AVENUE, SUITE 103
FRESNO, CA 93720
ATTN: TERRA MORTENSEN, PE
TEL: (559) 721-5030

LEGEND

- ADA PATH OF TRAVEL
--- EXISTING PROPERTY LINE
--- EXISTING RIGHT-OF-WAY
[Pattern] PROPOSED LANDSCAPING
[Pattern] PROPOSED CONCRETE
[Pattern] PROPOSED HEAVY DUTY CONCRETE
[Pattern] PROPOSED PAVEMENT
[Pattern] PROPOSED PARKING COUNT

ZONING INFORMATION

ZONING
CURRENT ZONING: (SP) SPECIFIC PLAN
LAND USE
EXISTING LAND USE: VACANT LAND
PROPOSED LAND USE: POLICE STATION

SITE AREA

TOTAL SITE: ±1.30 ACRES

SITE KEYNOTES

- CONSTRUCT 6" HIGH CURB PER DETAIL A ON SHEET C1.1.
- CONSTRUCT 6" HIGH CURB WITH 24" WIDE GUTTER PER DETAIL B ON SHEET C1.1.
- INSTALL DETECTABLE WARNING SURFACE PER CALTRANS STANDARD DRAWING AB8A.
- PAINT 4" WIDE WHITE PARKING STRIPE (TYPICAL).
- PAINT PAVEMENT PARALLEL TO CURB OR DIKE WITH 6" RED STRIPE WITH "FIRE LANE" PAINTED IN 3" HIGH MINIMUM WHITE LETTERS.
- CONSTRUCT LIGHT DUTY ASPHALT PAVEMENT PER "LIGHT DUTY ASPHALT PAVEMENT SECTION", THIS SHEET.
- INSTALL R100B(CA) SIGN READING "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT THE COUNTY OF KERN SHERIFF'S DEPARTMENT, 1350 NORRIS RD OR BY TELEPHONING (661) 391-7500." PER SEC. 11B-502.8, 2022 CBC. MOUNTED A MINIMUM 8' FROM BOTTOM OF SIGN TO GROUND.
- INSTALL R1-1 "STOP" SIGN (MIN. 7' FROM GRADE TO BOTTOM OF LOWEST SIGN).
- CONSTRUCT TRASH ENCLOSURE. REF. KERN COUNTY STANDARDS. MASONRY WALLS TO BE COMPOSED OF AN EXTERIOR FINISH OF CONSISTENT WITH BUILDING CEMENT PLASTER FINISH MATERIAL, TEXTURE, AND COLOR.
- CONSTRUCT 5' MINIMUM CONCRETE SIDEWALK PER DETAIL C ON SHEET C1.1.
- PROPOSED WROUGHT-IRON SWING GATE. REF. ARCHITECTURAL PLANS FOR DETAILS.
- PROPOSED EV CAPABLE SPAVED PER 2022 CALGREEN STANDARDS.
- PROPOSED TURNAROUND POCKET.
- PROPOSED WROUGHT-IRON PEDESTRIAN GATE. REF. ARCHITECTURAL PLANS FOR DETAILS.
- PROPOSED WROUGHT-IRON ROLLING GATE. REF. ARCHITECTURAL PLANS FOR DETAILS.
- PROPOSED BIKE RACK. REF. ARCHITECTURAL PLANS FOR DETAILS.
- PROPOSED 6-FOOT HIGH CMU WALL PER CITY OF SHAFTER STANDARD DRAWINGS.
- PROPOSED ADA CURB RAMP.
- PROPOSED TRANSFORMER. REF. ELECTRICAL PLANS.
- PROPOSED LOCKERS. REF ARCHITECTURAL PLANS.
- PROPOSED MOTORCYCLE DESIGNATED PARKING.
- PROPOSED FLAGPOLE.
- PROPOSED "NO PARKING" SIGN.
- PROPOSED TURNAROUND POCKET.

PARKING SUMMARY TABLE			
TYPE	METHOD	REQUIRED	PROVIDED
VEHICLE	1 PER 250 SF FOR OFFICE AREA PER CITY OF SHAFTER MUNICIPAL CODE	42	42
	PUBLIC		21
	PRIVATE		21
ACCESSIBLE	TABLE 11B-20B.2 & SEC. 11B-20B.2.4, 2022 CBC	2 (1 VAN ACCESSIBLE)	4 (1 VAN ACCESSIBLE)
SHORT TERM BICYCLE	SEC. 5.106.4.1.1 2022 CALGREEN STANDARDS	1	1
LONG TERM BICYCLE	SEC. 5.106.4.1.2 2022 CALGREEN STANDARDS	1	1
EV CAPABLE SPACES	TABLE 5.106.5.3.1 2022 CALGREEN STANDARDS	4	4
EVCS	TABLE 5.106.5.3.3 2022 CALGREEN STANDARDS	0	0
PARKING RATIO	X SPACES PER 1000 SF		

CAUTION - NOTICE TO CONTRACTOR

- ALL UTILITY LOCATIONS SHOWN ARE BASED ON MAPS PROVIDED BY THE APPROPRIATE UTILITY COMPANY AND FIELD SURFACE EVIDENCE AT THE TIME OF SURVEY AND IS TO BE CONSIDERED AN APPROXIMATE LOCATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE FIELD LOCATION OF ALL UTILITIES, PUBLIC OR PRIVATE, WHETHER SHOWN ON THE PLANS OR NOT, PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- WHERE A PROPOSED UTILITY CROSSES AN EXISTING UTILITY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF SUCH EXISTING UTILITY, EITHER THROUGH POT-HOULING OR ALTERNATIVE METHOD. REPORT INFORMATION TO THE ENGINEER PRIOR TO CONSTRUCTION.



Know what's below.
Call before you dig.

Galloway

575 E Locust Avenue, Suite 103
Fresno, CA 93720
559.721.5030
GallowayUS.com

NOT FOR
CONSTRUCTION

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TETER, INC.
SHAFTER POLICE SUBSTATION

SWC OF GOSSAMER GROVE BLVD. & FORST VILLAGE DR.
SHAFTER, CA

#	Date	Issue / Description	Init.
1			
2			
3			
4			
5			
6			
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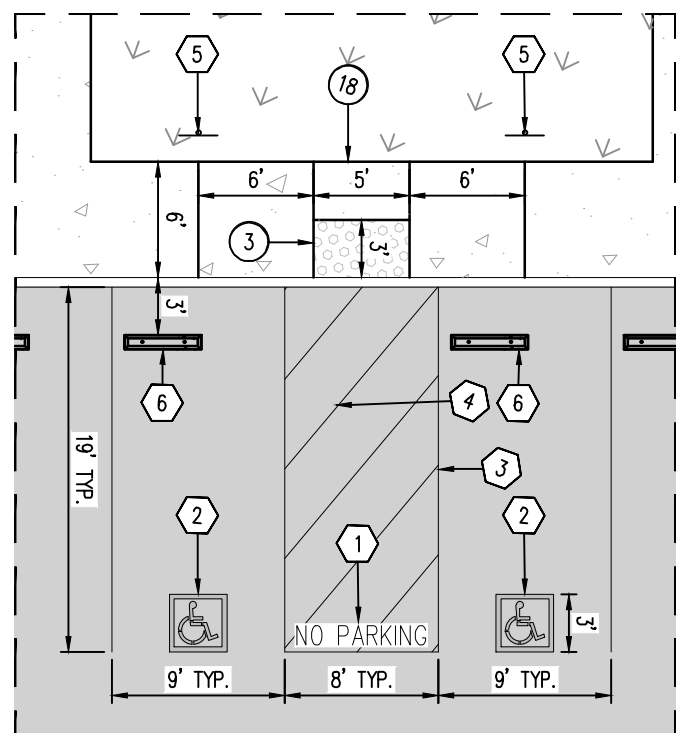
Project No: TTR14
Drawn By: ARV
Checked By: TJM
Date: 09/10/2024

SITE PLAN

C1.0

FOR REFERENCE ONLY

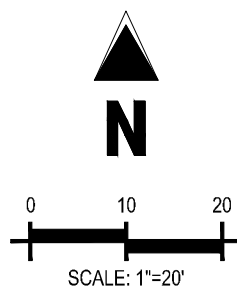
FOR FURTHER DEVELOPMENT



TYPICAL ACCESSIBLE PARKING DETAIL
SCALE: 1" = 10'

DETAIL KEYNOTES (ACCESSIBLE STALL ONLY)

- PAINT "NO PARKING" PAVEMENT MARKINGS IN WHITE PAINT. MIN. 12" HIGH LETTERING.
- PAINT INTERNATIONAL SYMBOL OF ACCESSIBILITY PAVEMENT MARKING. 5'x3' MINIMUM. ALIGN BOTTOM OF SYMBOL WITH BOTTOM OF STALL AND CENTER HORIZONTALLY PER 2022 CBC SEC 11B-502.6.4.
- PAINT 4" WIDE BLUE BORDER.
- PAINT 4" WIDE HATCHED LINES IN PAINT COLOR CONTRASTING ACCESS AISLE SURFACE PREFERABLY BLUE OR WHITE PAINT. MAXIMUM 3" SPACING (CENTER TO CENTER).
- INSTALL ACCESSIBLE PARKING ONLY/MINIMUM FINE COMBINATION SIGN (R99C (CA)) OR SIMILAR. VAN ACCESSIBLE STALLS SHALL ALSO INCLUDE "VAN ACCESSIBLE" PLAQUE (R7-8B) BENEATH PARKING SIGN. BOTTOM OF LOWEST SIGN SHALL BE INSTALLED A MINIMUM OF 60" ABOVE FINISHED GRADE. SEE DETAIL D AND E ON SHEET C1.1.
- PROPOSED WHEEL STOP PER COUNTY OF FRESNO STANDARDS.



project:

SHAFTER
POLICE
SUBSTATION

SW CORNER OF
GOSSAMER
GROVE BLVD. &
FOREST
VILLAGE DR.

client:

CITY OF SHAFTER

designlab 252

P.O. Box 27616 Fresno, CA 93729
Studio: 559.472.9966 Fax: 559.472.9969



drawn by: KJ checked by: PB

submittal:	date:
No. 1	09/12/2024
No. 2	XX/XX/XXXX
No. 3	XX/XX/XXXX
No. 4	XX/XX/XXXX

scale: 1"=20'-0"

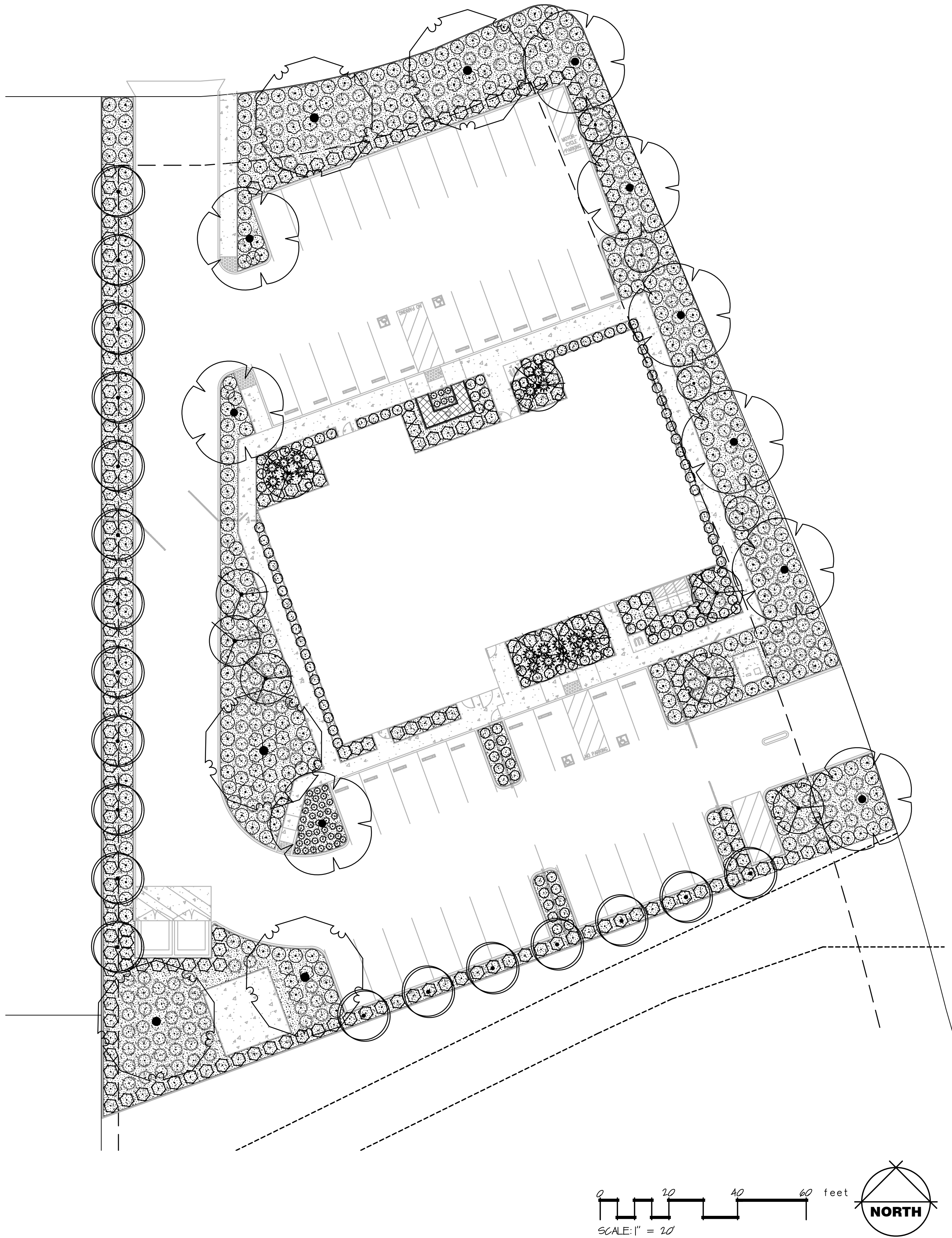
sheet title:

PLANTING
PLAN

sheet no.

LA-1

project no. 24-03-009



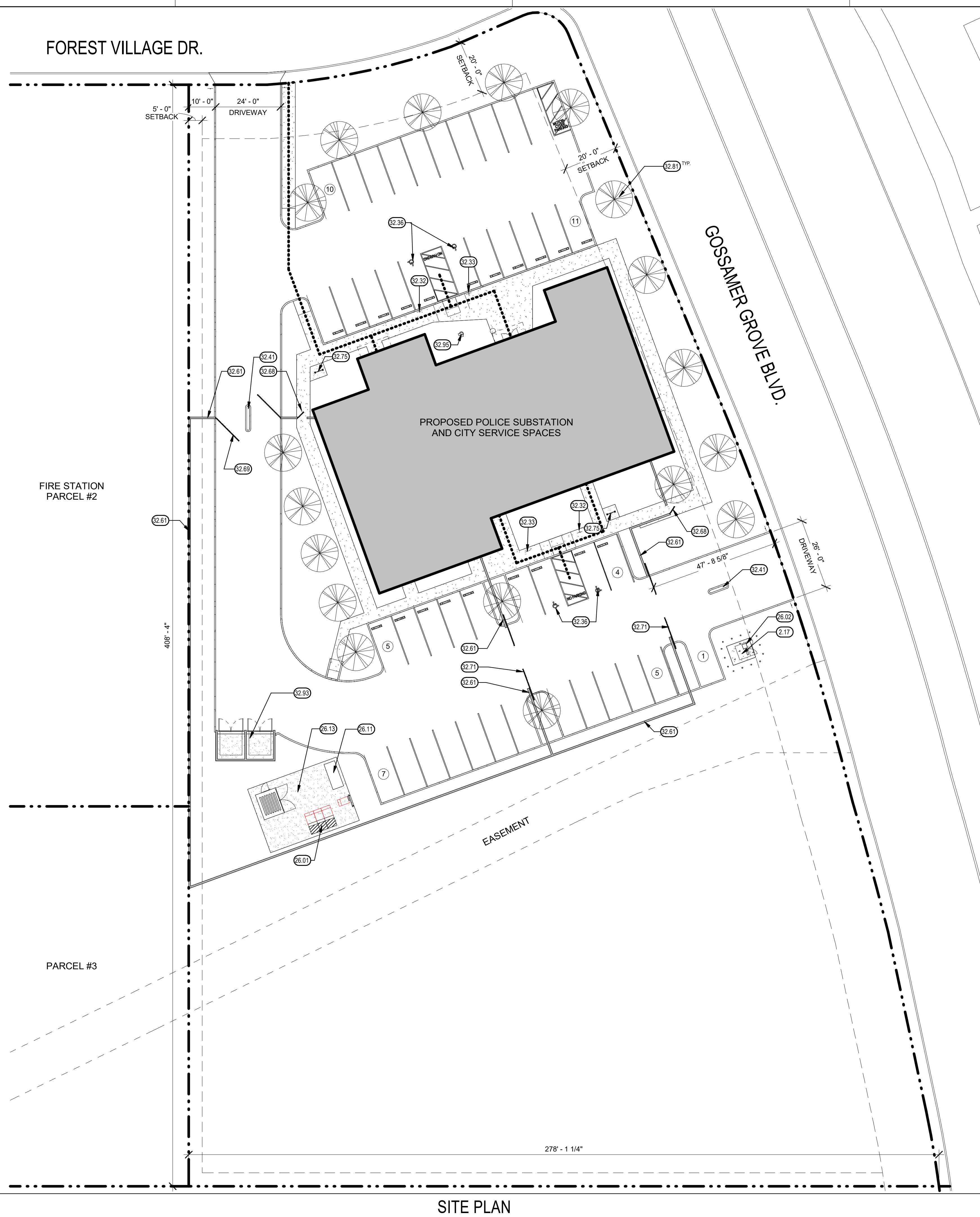
REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY	NOTES
MULCH			
	ORGANIC RECYCLED MULCH-3" DEPTH	148 CY	
	GRAVEL MULCH - 3" DEPTH - 3/4"	083 CY	CA GOLD OR EQUAL
SITE FURNISHINGS			
	METAL EDGE - 3" DEEP	52 LF	

PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	CONT	WATER USE	WIDTH	QTY
TREES					
	CERCIS OCCIDENTALIS WESTERN REDBUD	15 GAL	LOW	10 TO 15 DIA	3
	CHILOPSIS LINEARIS DESERT WILLOW	15 GAL	VERY LOW	15 TO 20 DIA	4
	LAGERSTROEMIA INDICA 'ALBA' WHITE GRAPE MYRTLE	15 GAL	LOW	10 TO 15 DIA	7
	LAURUS X 'SARATOGA' SARATOGA HYBRID LAUREL	15 GAL	LOW	15 TO 20 DIA	19
	PISTACIA CHINENSIS 'KEITH DAVEY' KEITH DAVEY CHINESE PISTACHE	15 GAL	LOW	30 TO 35 DIA	9
	QUERCUS LOBATA VALLEY OAK	15 GAL	LOW	35 TO 40 DIA	5
SHRUBS					
	CALAMAGROSTIS X ACUTIFLORA 'STRICTA' FEATHER REED GRASS	1 GAL	LOW	5 DIA	19
	MUHLENBERGIA RIGENS DEER GRASS	1 GAL	LOW	5 DIA	188
	NEPETA X 'WALKER'S LOW' WALKER'S LOW CATMINT	1 GAL	LOW	3 DIA	44
	OLEA EUROPAEA 'LITTLE OLLIE' TM LITTLE OLLIE OLIVE	5 GAL	LOW	5 DIA	138
	ROSMARINUS OFFICINALIS 'BLUE SPIRES' ROSEMARY	1 GAL	LOW	3 DIA	119
	ROSMARINUS OFFICINALIS 'HUNTINGTON CARPET' HUNTINGTON CARPET ROSEMARY	1 GAL	LOW	5 DIA	261
	SALVIA CLEVELANDII CLEVELAND SAGE	1 GAL	LOW	5 DIA	42

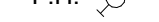
FOR REFERENCE ONLY



KEYNOTES 00.00

2.17 EXISTING CONCRETE PAD AND STRUCTURE TO REMAIN
26.01 MAIN SWITCHGEAR, SEE ELECTRICAL
26.02 TRANSFORMER, SEE ELECTRICAL
26.11 GENERATOR, SEE ELECTRICAL DRAWINGS
26.13 ELECTRICAL YARD, SEE ELECTRICAL DRAWINGS
32.32 ACCESSIBLE PARKING STALL SIGNAGE, SEE CIVIL
32.33 VAN ACCESSIBLE PARKING STALL SIGNAGE, SEE CIVIL
32.36 ACCESSIBLE PARKING STALL MARKING, SEE CIVIL
32.41 ISLAND FOR CARD ACCESS TO GATE
32.61 6" TALL CONCRETE MASONRY WALL
32.68 DECORATIVE METAL PEDESTRIAN GATE, ACCESSIBLE, SEE CIVIL DRAWINGS
32.69 DECORATIVE METAL PAIR OF SWING SERVICE GATES, SEE CIVIL DRAWINGS
32.71 DECORATIVE METAL ROLLING GATE, SEE CIVIL DRAWINGS
32.75 BICYCLE RACK FOR 5 BIKES
32.81 TREE, SEE LANDSCAPE
32.93 TRASH ENCLOSURE, SEE CIVIL
32.95 FLAG POLE

LEGEND

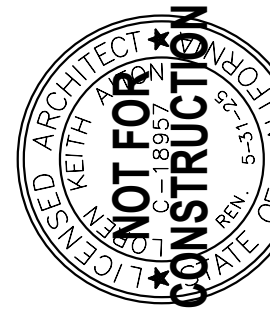
	CONC. PAVING. SEE CIVIL.
	LIGHT POLE. SEE ELECTRICAL.
	PATHWAY LIGHT BOLLARD. SEE ELECTRICAL.
	FIRE HYDRANT. SEE CIVIL.
	PROPERTY LINE
	PROPOSED BUILDING
	ACCESSIBLE ROUTE (2022 C.B.C. SECTION 11B - 206)

THE ACCESSIBLE ROUTE IS A CONTINUOUS UNOBSTRUCTED PATH CONNECTING ACCESSIBLE ELEMENTS AND SPACES OF AN ACCESSIBLE SITE, BUILDING OR FACILITY THAT CAN BE NEGOTIATED BY A PERSON WITH A DISABILITY USING A WHEELCHAIR, AND THAT IS ALSO SAFE FOR AND USABLE BY PERSONS WITH OTHER TYPES OF MOBILITY DISABILITIES. ACCESSIBLE ROUTES SHALL INCLUDE, IN GENERAL, EXTERIOR ACCESSIBLE ROUTES SHALL COMPLY WITH THE FOLLOWING: SHALL BE STABLE, FIRM, AND SLIP RESISTANT; HAVE A 1:20 MAXIMUM RUNNING SLOPE FOR WALKS; HAVE A 1:12 MAXIMUM SLOPE FOR RAMPS AND CURB RAMPS; HAVE A 1/4:12 MAXIMUM CROSS SLOPE; HAVE A 48" MINIMUM WIDTH; HAVE NO VERTICES OR CORNERS; OPENINGS SHALL BE LOCATED BETWEEN 18" AND 12" SHALL BE BEVELED WITH A SLOPE NOT EXCEEDING 1/2:1H; HAVE NO OPENINGS ALLOWING THE PASSAGE OF A 1/2" DIAMETER SPHERE; ELONGATED OPENINGS SHALL BE PERPENDICULAR TO THE DIRECTION OF TRAVEL; HAVE A MINIMUM 6" HIGH CURB OR GUARDRAIL AT EDGES WHERE THE DROP OFF EXCEEDS 4" CENTRURB ADVANCEMENT SHALL BE 18" MINIMUM; OPENINGS SHALL BE 18" MINIMUM THAN 4" FROM WALLS BETWEEN 27" AND 80" ABOVE THE WALKING SURFACE; AND HAVE 80" MINIMUM VERTICAL CLEARANCE.

GENERAL NOTES

- A. THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION & DEMOLISH AND/OR REMOVE FROM THE PROJECT AREA ALL STRUCTURES, BOTH SURFACE & SUBSURFACE U.N.O. TREES, BRUSH, ROOTS, DEBRIS, ORGANIC MATTER, & ALL OTHER MATTER DETERMINED BY THE INSPECTOR TO BE DELETERIOUS. SUCH MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- B. EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED & SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE & SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.
- C. FINISH GRADE SHALL HAVE A 1.5% SLOPE AWAY FROM THE BLDG. FOR A DISTANCE NOT LESS THAN 5'-0" FROM THE BLDG.
- D. PROPERTY DIMENSIONS AS SHOWN ARE BASED ON RECORD INFO. & SHOULD BE FIELD VERIFIED BY A PROPERTY SURVEY PRIOR TO CONSTRUCTION.
- E. EXTERIOR CONC. LANDINGS AT DOORS SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN DOORWAY THRESHOLD WITH 1/4 INCH PER FOOT SLOPE MAX.
- F. SEE CIVIL FOR A.C. & CONC. PAVING SECTIONS, AND CURB DETAILS
- G. REFER TO CIVIL, LANDSCAPE, PLUMBING & ELECTRICAL FOR UTILITY INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.

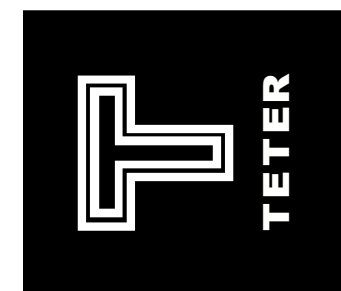
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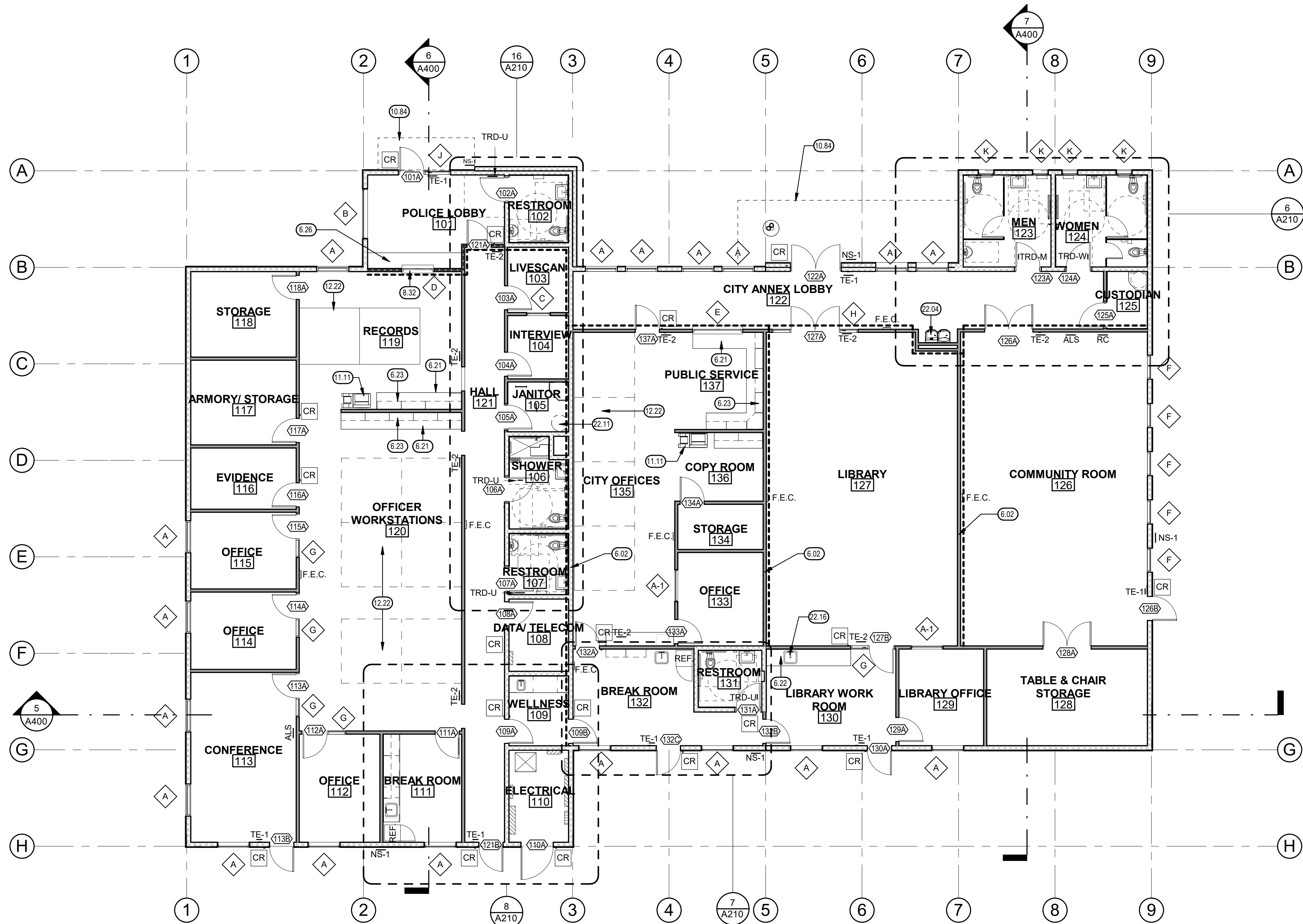
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SITE PLAN

PROJECT NO.

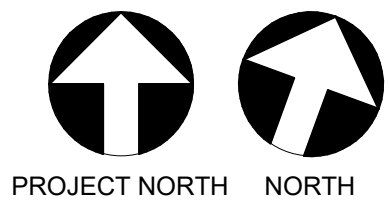
22-12529.01

DRAWING

A100



KEYNOTE FLOOR PLAN



1/8" = 1'-0"

8

KEYNOTES

- 6.02 2X WOOD FRAMED INTERIOR WALL. EXTEND TO UNDERSIDE OF ROOF STRUCTURE. SEE REFLECTED CEILING PLAN FOR ALL FULL-HEIGHT WALLS.
- 6.21 PLASTIC LAMINATE BASE CABINET W/ SOLID SURFACE COUNTERTOP AND BACKSPLASH
- 6.22 PLASTIC LAMINATE UPPER CABINET
- 6.26 PLASTIC LAMINATE COUNTER TOP. SEE INTERIOR ELEVATIONS
- 8.32 LEVEL 8 BULLET-RESISTANT TRANSACTION WINDOW
- 10.84 ENTRANCE CANOPY ABOVE (SHOWN DASHED)
- 11.11 SPACE FOR COPIER (OFOI), PROVIDE POWER AND DATA PER ELECTRICAL
- 12.22 SYSTEMS FURNITURE BY OWNER 6 / A802
- 22.04 ACCESSIBLE HIGH-LOW DRINKING FOUNTAIN, SEE
- 22.11 WATER HEATER ABOVE ON PLATFORM, SEE PLUMBING
- 22.16 COUNTER MOUNTED SINK, SEE PLUMBING DRAWINGS

WALL LEGEND

- 2X4 @ 16" O.C. WITH BATT INSULATION
- 2X4 @ 16" O.C. W/ UL 752 LEVEL 8 BULLET RESISTANT PANELS
- 2X6 @ 16" O.C. WITH BATT INSULATION
- DOUBLE WALL 2X6 @ 16" O.C. WITH BATT INSULATION. SEE ELEVATIONS A300 FOR FINISHES

LEGEND

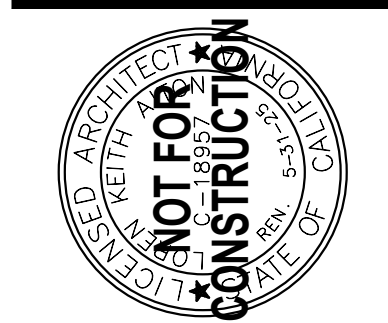
- MINIMUM 30"x48" WHEELCHAIR CLEAR SPACE
- MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
- TRD-U WALL SIGNAGE, SEE 4 / A801 AND 16 / A801
- F.E.C. FIRE EXTINGUISHER & CABINET, SEE 7 / A802
- CR CARD READER REFERENCE, SEE ELECTRICAL
- DASHED LINE INDICATES WHICH WALLS WILL EXTEND FULL HEIGHT

GENERAL NOTES

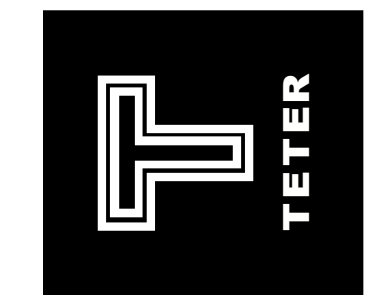
- A. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHT AND CLEARANCES, SEE 2 / A800
- B. FOR TYPICAL CASEWORK ANCHORAGE, SEE 2 / A802
- C. FIRE EXTINGUISHERS TO BE 2A: 10B:C MIN. PER NFPA 10, ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".
- D. ALL DIMENSIONS TO FACE OF STUD, U.N.O.
- E. TYP. INTERIOR WALL FINISH FOR STUD WALLS: 5/8" TYPE 'X' GYP. BD., WATER RESISTANT TYPE IN RESTROOMS WHERE LOCATED WITHIN 2'-0" OF THE FRONT AND/OR SIDES OF PLUMBING FIXT. GYP. BD. APPLICATION SHALL COMPLY W/ CBC SECTION 2508. GYP. BD. SHALL BE FASTENED TO SUPPORTS W/ SCREWS.
- F. FOR ACCESSIBLE DOOR MANEUVERING CLEARANCES, SEE 4 / A800
- G. FOR TYPICAL ACCESSIBLE SINK KNEE SPACE, SEE 3 / A802
- H. LAYOUT SHOWN IS PROVIDED AS BRIDGING DOCUMENT FOR USE WHEN MODULAR BUILDING MANUFACTURER DEVELOPS PLANS FOR SUBMITTAL.
- J. SEE A000 FOR TYPICAL SYMBOLS.
- K. SEE A300 FOR EXTERIOR ELEVATIONS.
- L. SEE A900 SERIES FOR INTERIOR ELEVATIONS.

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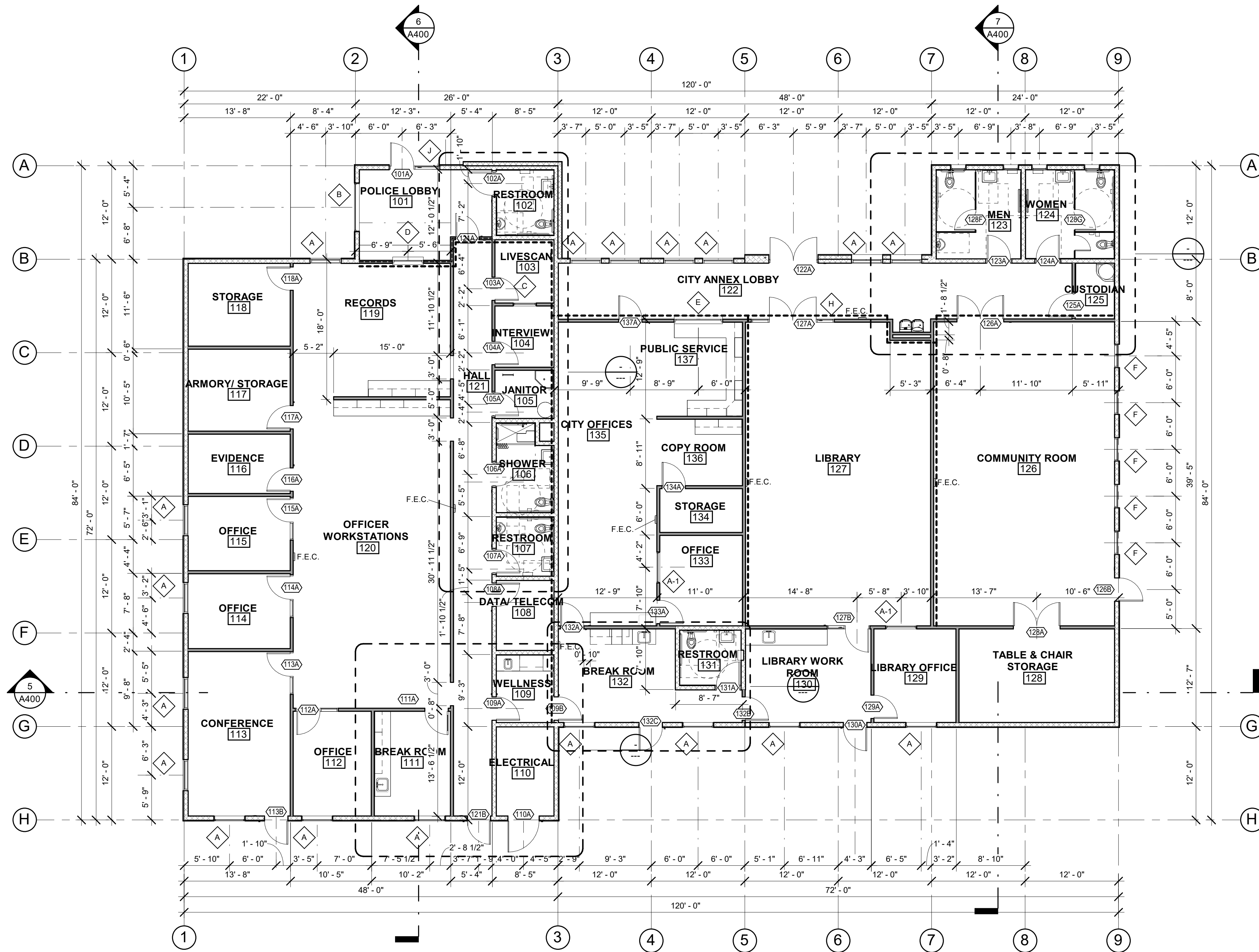
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DRAWING TITLE
KEYNOTE FLOOR PLAN

PROJECT NO.

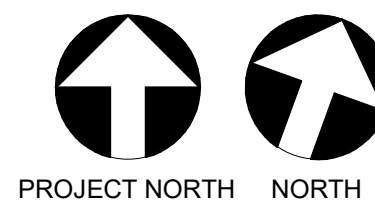
22-12529.01

DRAWING

A201



DIMENSION FLOOR PLAN


$$1/8'' = 1'-0''$$

8

WALL LEGEND

- | | |
|---|---|
|  | 2X4 @ 16" O.C. WITH BATT INSULATION |
|  | 2X4 @ 16" O.C. W/ UL 752 LEVEL 8 BULLET RESISTANT PANELS |
|  | 2X6 @ 16" O.C. WITH BATT INSULATION |
|  | DOUBLE WALL 2X6 @ 16" O.C. WITH BATT INSULATION. SEE ELEVATIONS A300 FOR FINISHES |

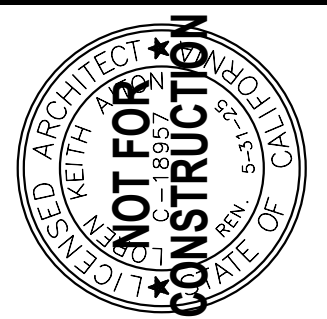
LEGEND

-
- Diagram illustrating the required clearances and fixture heights for a wheelchair accessible stall:
- MINIMUM 30"x48" WHEELCHAIR CLEAR SPACE
 - MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
 - WALL SIGNAGE, SEE 4 / A801 AND 16 / A801
 - FIRE EXTINGUISHER AND CABINET, SEE 7 / A802
 - CARD READER REFERENCE, SEE ELECTRICAL
 - DASHED LINE INDICATES WHICH WALLS WILL EXTEND FULL HEIGHT

GENERAL NOTES

- A. FOR TYPICAL ACCESSIBLE TOILET ROOM FIXTURE AND ACCESSORY MOUNTING HEIGHT AND CLEARANCES, SEE 2 / A800
- B. FOR TYPICAL CASEWORK ANCHORAGE , SEE 2 / A802
- C. FIRE EXTINGUISHERS TO BE 2A: 10B-C MIN. PER NFPA 10, ONE FOR EVERY 3,000 S.F. OR PORTION THEREOF & TRAVEL DISTANCE NOT TO EXCEED 75'-0".
- D. ALL DIMENSIONS TO FACE OF STUD, U.N.O.
- E. TYP. INTERIOR WALL FINISH FOR STUD WALLS: 5/8" TYPE 'X' GYP. BD., WATER RESISTANT TYPE IN RESTROOMS WHERE LOCATED WITHIN 2'-0" OF THE FACE OF DOOR OR WINDOW. EXCEPT TYPE 'X' GYP. BD. APPLICATION SHALL COMPLY W/ CBC SECTION 2508. GYP. BD. SHALL BE FASTENED TO SUPPORTS W/ SCREWS.
- F. FOR ACCESSIBLE DOOR MANEUVERING CLEARANCES, SEE 4 / A800
- G. FOR TYPICAL ACCESSIBLE SINK KNEE SPACE, SEE 3 / A802
- H. LAYOUT SHOWN IS PROVIDED AS BRIDGING DOCUMENT FOR USE WHEN MODULAR BUILDING MANUFACTURER DEVELOPS PLANS FOR SUBMITTAL.
- J. SEE A000 FOR TYPICAL SYMBOLS.
- K. SEE A300 FOR EXTERIOR ELEVATIONS.
- L. SEE A900 SERIES FOR INTERIOR ELEVATIONS.

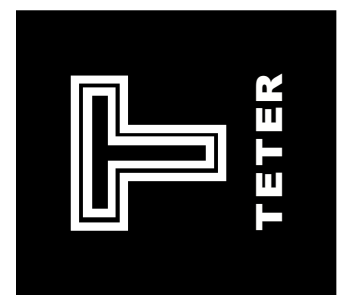
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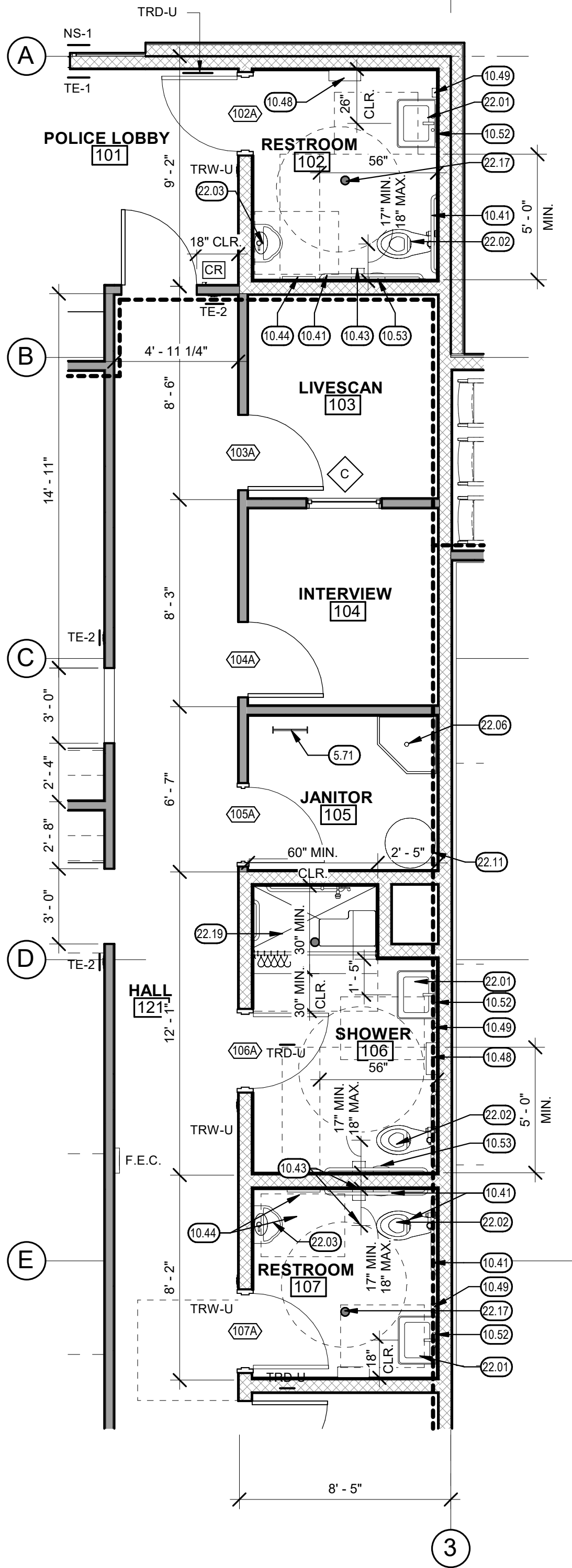
DIMENSIONED FLOOR PLAN

PROJECT NO

22-12529.01

DRAWING

A202

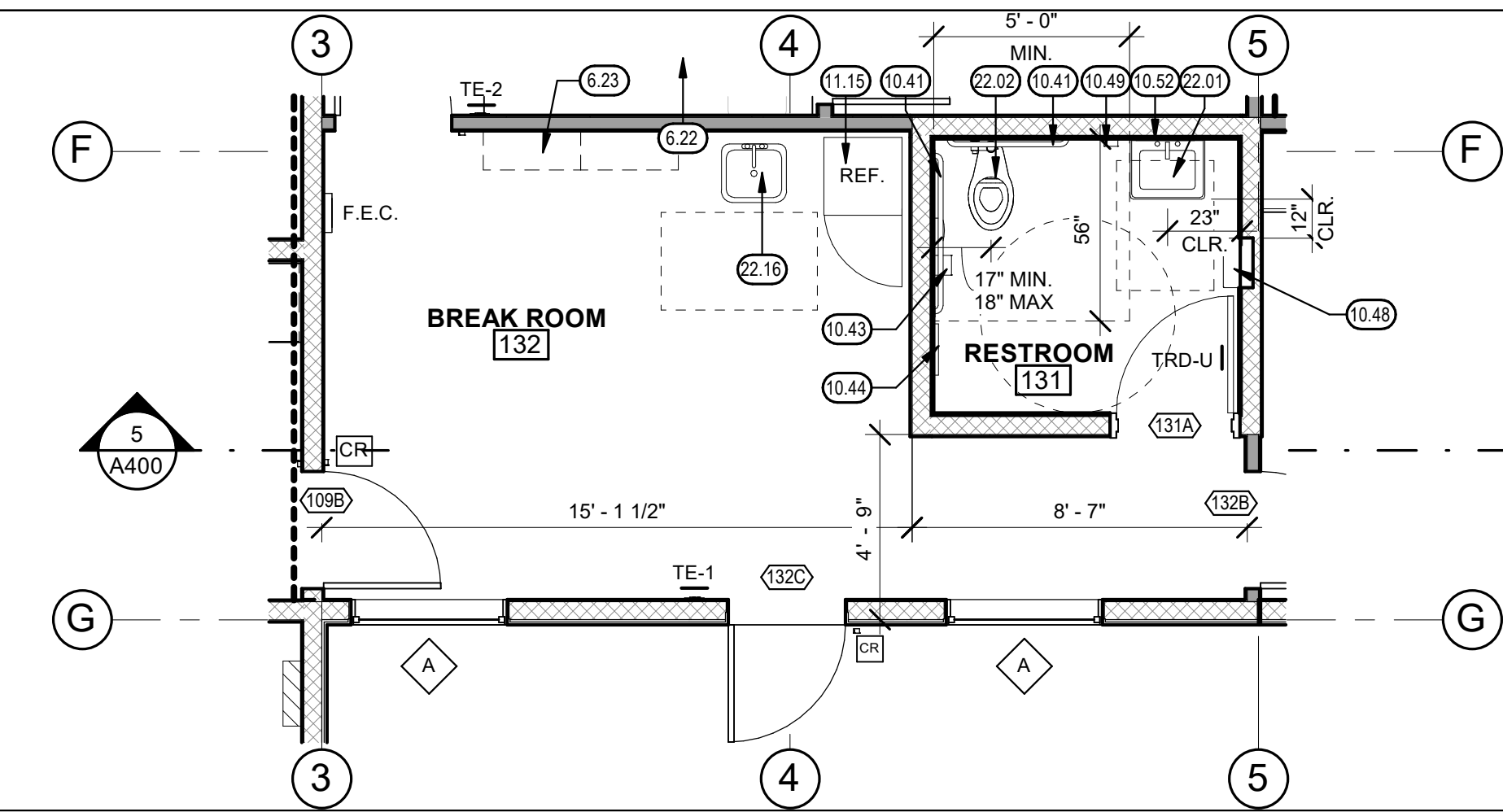


ENLARGED FLOOR PLAN

1/4" = 1'-0"

16

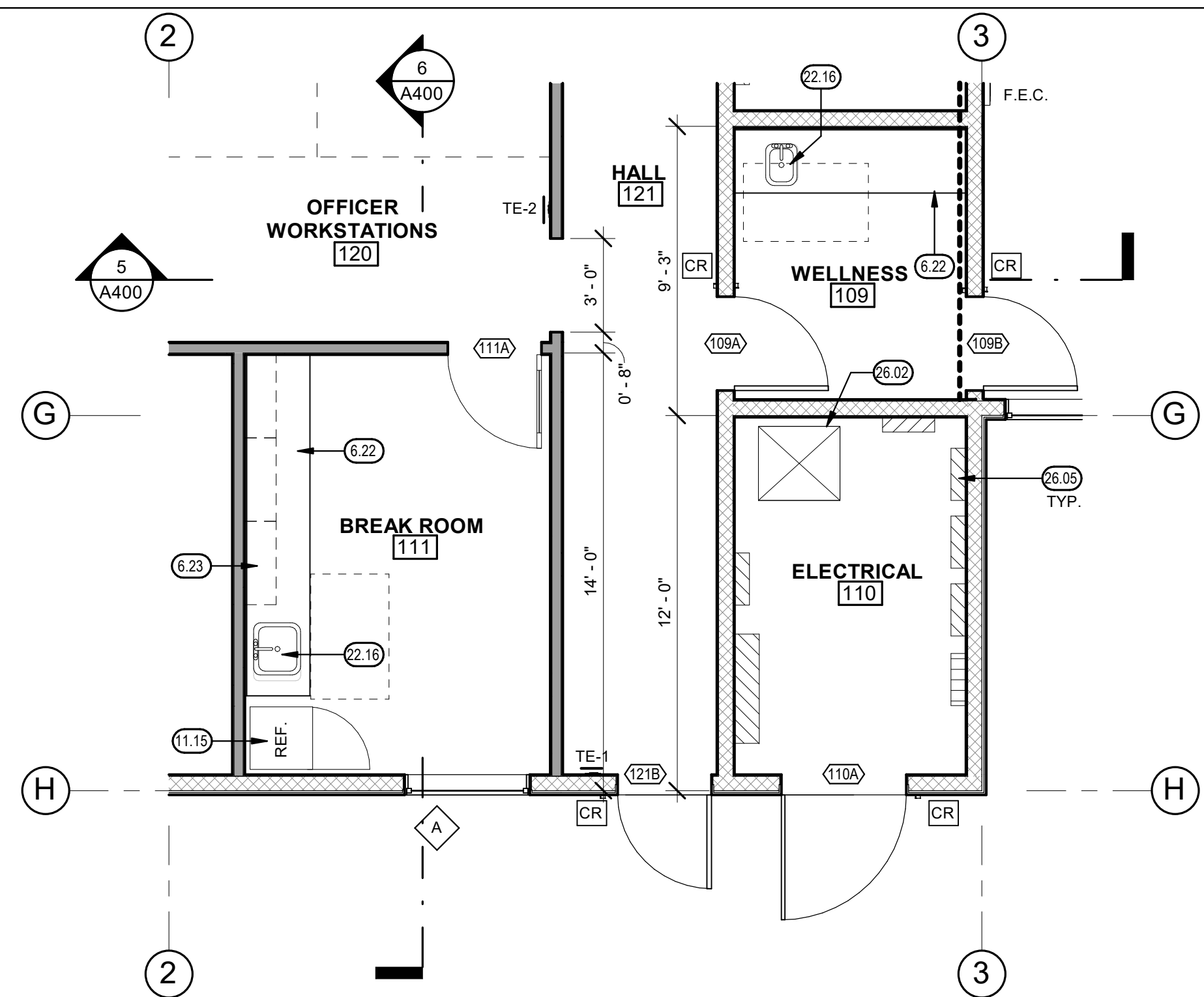
EAST RESTROOMS ENLARGED PLAN



ENLARGED FLOOR PLAN

1/4" = 1'-0"

7



ENLARGED FLOOR PLAN

1/4" = 1'-0"

8

KEYNOTES

- 5.71 ROOF ACCESS LADDER
6.22 PLASTIC LAMINATE BASE CABINET W/ SOLID SURFACE COUNTERTOP AND BACKSLASH
6.23 PLASTIC LAMINATE UPPER CABINET
10.41 GRAB BAR
10.43 TOILET PAPER DISPENSER, SEE INTERIOR ELEVATIONS
10.44 SEAT COVER DISPENSER, SEE INTERIOR ELEVATIONS
10.48 COMBINATION TOWEL DISPENSER AND WASTE RECEPTACLE
10.49 SOAP DISPENSER, WALL MOUNTED, SEE INTERIOR ELEVATIONS
10.52 MIRROR, SEE INTERIOR ELEVATIONS
10.53 SANITARY NAPKIN WASTE RECEPTACLE, SEE INTERIOR ELEVATIONS
10.59 BABY CHANGING STATION
11.15 REFRIGERATOR (OFOI)
22.01 ACCESSIBLE WALL MOUNTED LAV, SEE PLUMBING
22.02 ACCESSIBLE TOILET, SEE PLUMBING
22.03 ACCESSIBLE URINAL, SEE PLUMBING 6 / A802
22.04 ACCESSIBLE HIGH-LOW DRINKING FOUNTAIN, SEE
22.06 MOP SINK, SEE PLUMBING
22.11 WATER HEATER ABOVE ON PLATFORM, SEE PLUMBING
22.16 COUNTER MOUNTED SINK, SEE PLUMBING DRAWINGS
22.17 FLOOR DRAIN, SEE PLUMBING DRAWINGS
22.19 ACCESSIBLE SHOWER, SEE PLUMBING
26.02 TRANSFORMER, SEE ELECTRICAL
26.05 ELECTRICAL PANEL, SEE ELECTRICAL

WALL LEGEND

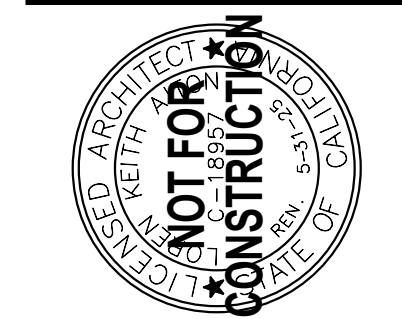
- 2X4 @ 16" O.C. WITH BATT INSULATION
2X6 @ 16" O.C. WITH BATT INSULATION
DOUBLE WALL 2X6 @ 16" O.C. WITH BATT INSULATION. SEE ELEVATIONS ON A300 FOR FINISHES

LEGEND

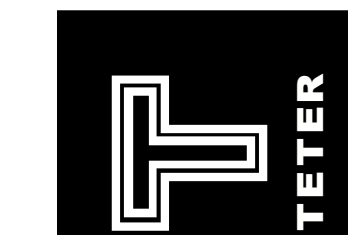
- MINIMUM 30"X48" WHEELCHAIR CLEAR SPACE
COUNTER
MINIMUM 30"X48" WHEELCHAIR CLEAR SPACE WITH PARALLEL APPROACH
MINIMUM 60" DIAMETER WHEELCHAIR TURN AROUND SPACE
TRD-U
WALL SIGNAGE, SEE SHEET A801
F.E.C.
FIRE EXTINGUISHER & CABINET, SEE 7 / A802
CARD READER REFERENCE, SEE ELECTRICAL

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DRAWING TITLE
ENLARGED FLOOR PLANS

PROJECT NO.

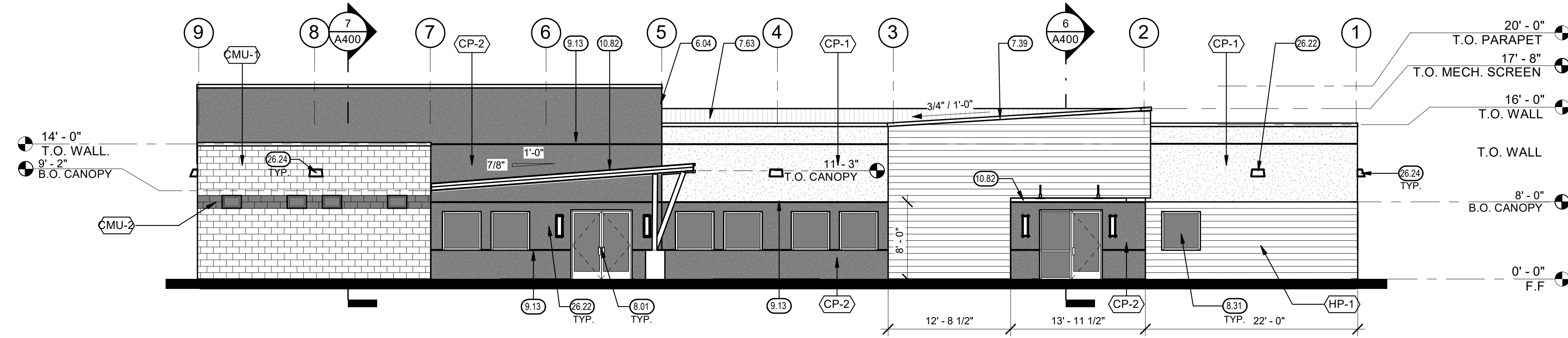
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DRAWING

A210

\\net-file1\Users\tyler.dinis_TETR\Documents\12529-A-Shafter Police Station_Tyler.dinis.rvt

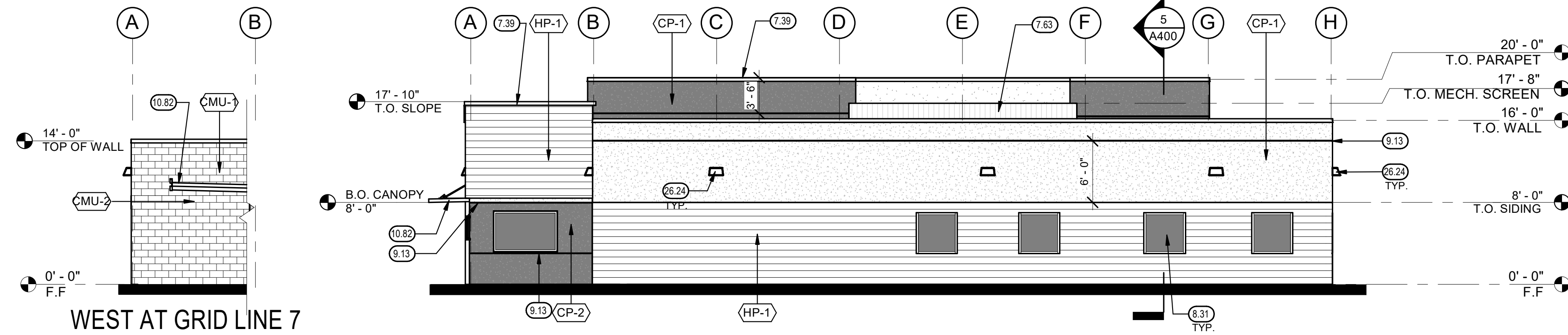
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NORTH

1/8" = 1'-0"

5

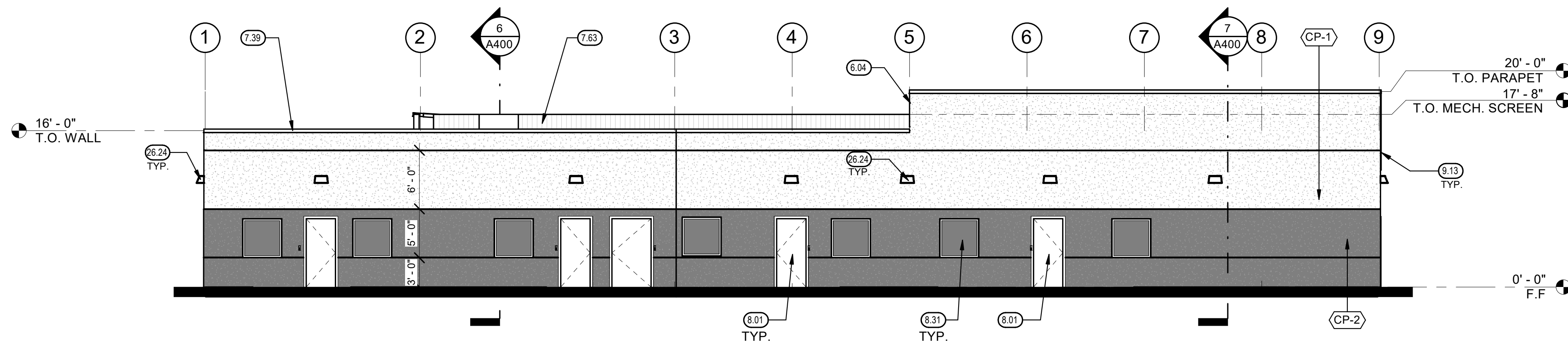


WEST AT GRID LINE 7

WEST

1/8" = 1'-0"

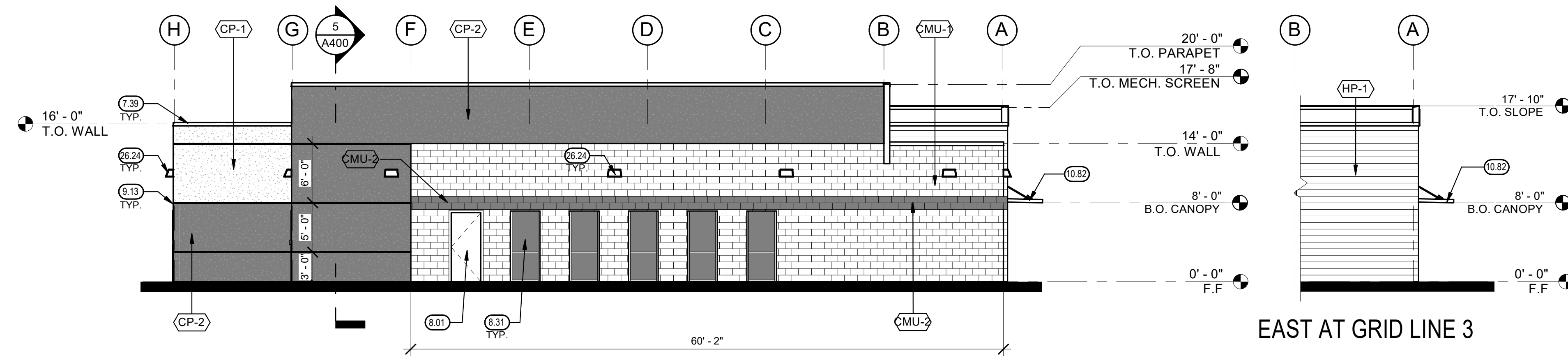
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SOUTH

1/8" = 1'-0"

7



EAST AT GRID LINE 3

EAST

1/8" = 1'-0"

8

KEYNOTES

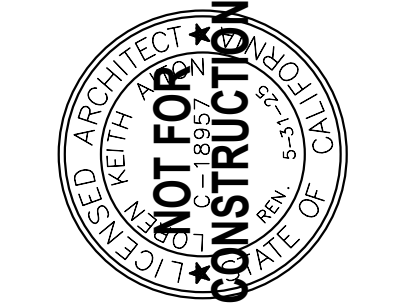
- 6.04 WRAP 20' - 0" PARAPET WALL ON ROOF. PROVIDE WEEP HOLES AT BOTTOM OF WALL FOR DRAINAGE
- 7.39 METAL COPING AT PARAPET WALL
- 7.63 MECHANICAL WELL SCREEN WALL
- 8.01 DOOR AND FRAME PER SCHEDULE, SEE A700
- 8.31 WINDOW PER SCHEDULE
- 9.13 CEMENT PLASTER REVEAL
- 10.82 ENTRANCE CANOPY
- 26.22 WALL MOUNTED LIGHT FIXTURE, SEE ELECTRICAL
- 26.24 EXTERIOR WALL PACK LIGHT, SEE ELECTRICAL

EXTERIOR FINISH SCHEDULE

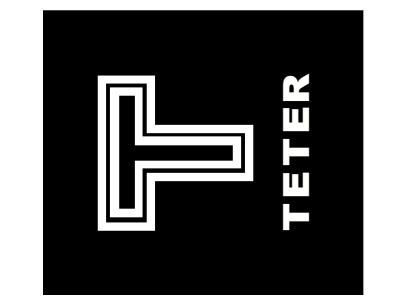
MARK	MATERIAL
CP-1	CEMENT PLASTER, LIGHT GRAY
CP-2	CEMENT PLASTER, DARK GRAY
CMU-1	CONCRETE MASONRY UNIT VENEER, LIGHT GRAY
CMU-2	CONCRETE MASONRY UNIT VENEER, DARK GRAY
HP-1	PLANK FIBER CEMENT SIDING, PANTONE 7701

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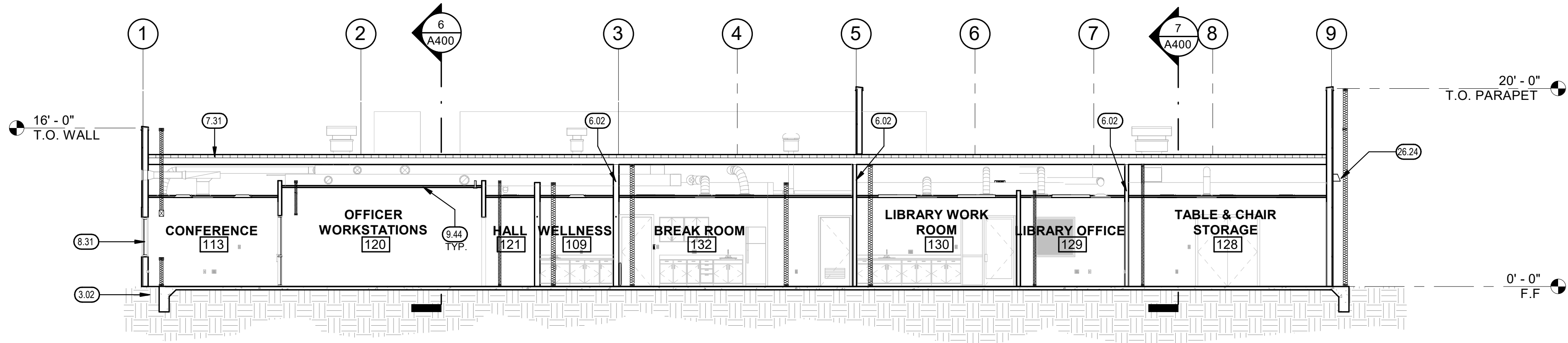


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DRAWING TITLE
EXTERIOR ELEVATIONS

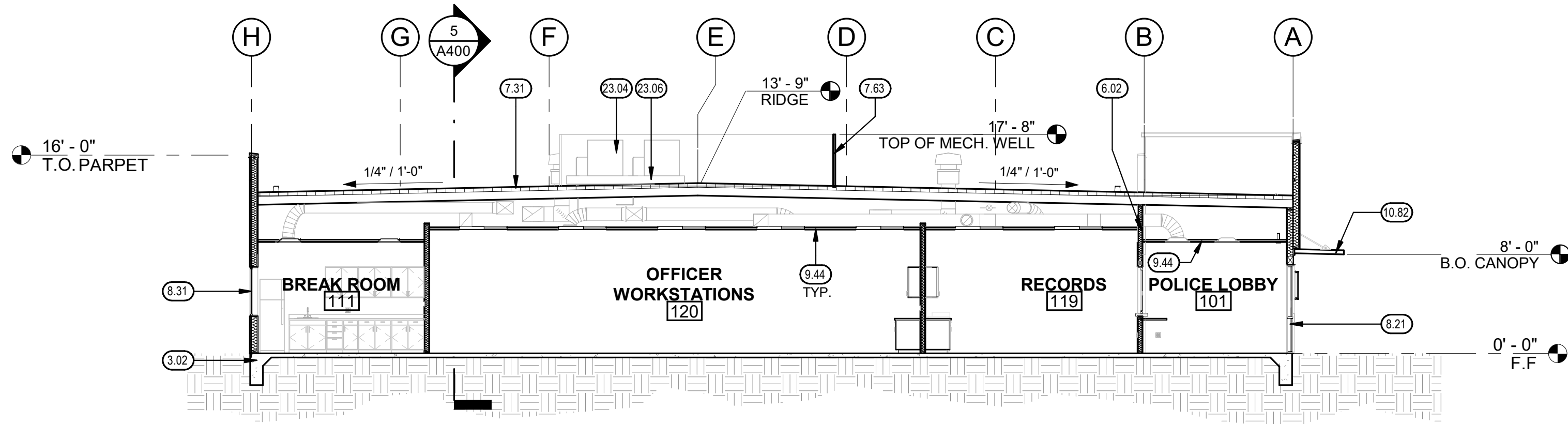
PROJECT NO.
22-12529.01
DRAWING
A300



BUILDING SECTION

1/8" = 1'-0"

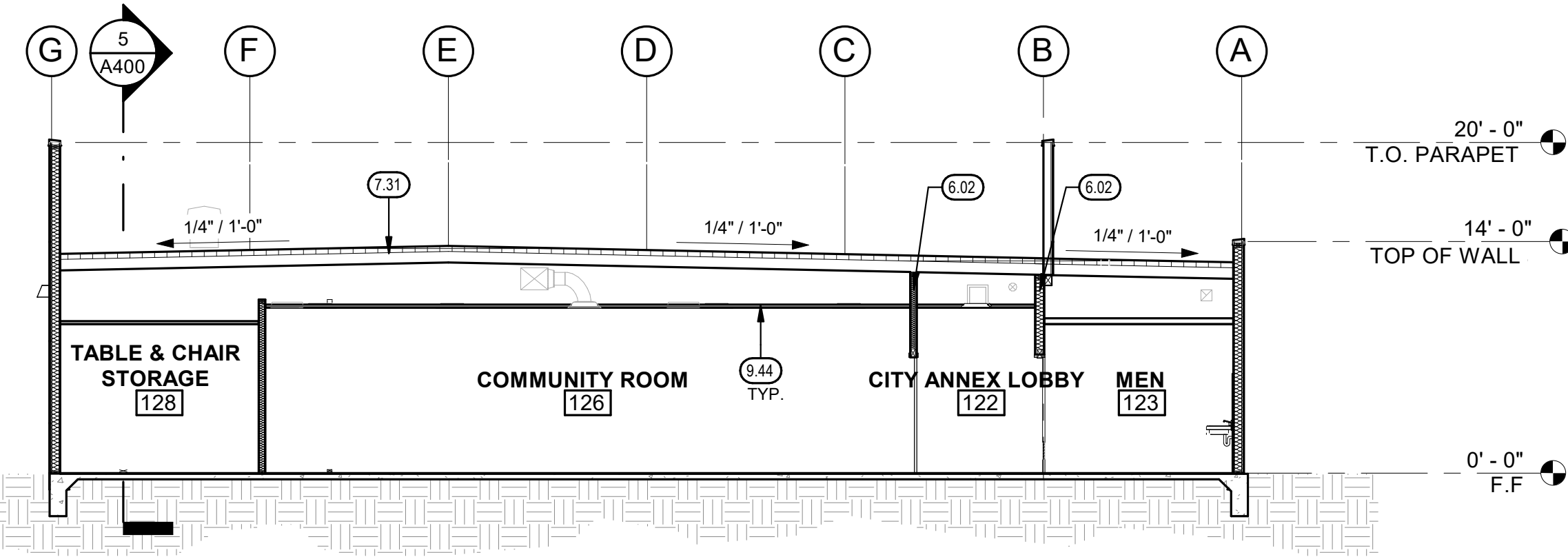
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BUILDING SECTION

1/8" = 1'-0"

6



BUILDING SECTION

1/8" = 1'-0"

7

KEYNOTES

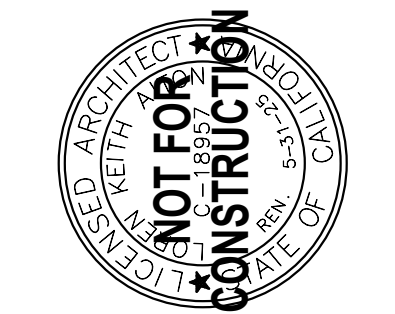
- 3.02 CONCRETE FOOTING
- 6.02 2X WOOD FRAMED INTERIOR WALL. EXTEND TO UNDERSIDE OF ROOF STRUCTURE. SEE REFLECTED CEILING PLAN FOR ALL FULL-HEIGHT WALLS.
- 7.31 ROOF MEMBRANE O/ COVERBOARD, O/ 4" RIGID INSULATION, O/ STRUCTURAL DECK
- 7.63 MECHANICAL WELL SCREEN WALL
- 8.21 ALUMINUM STOREFRONT
- 8.31 WINDOW PER SCHEDULE
- 9.44 CEILING PER PLAN
- 10.82 ENTRANCE CANOPY
- 23.04 MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS
- 23.06 MECHANICAL PLATFORM. SEE MECHANICAL DRAWINGS
- 26.24 EXTERIOR WALL PACK LIGHT. SEE ELECTRICAL

GENERAL NOTES

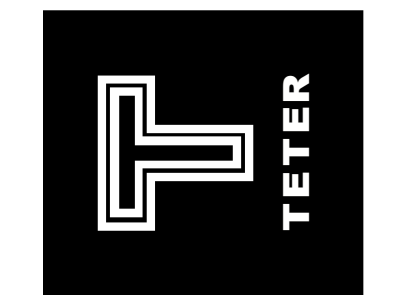
- A. SUBGRADE ITEMS SHOWN FOR ILLUSTRATION PURPOSES AND FOOTINGS TO BE DETERMINED BY MODULAR BUILDING MANUFACTURER AND COORDINATED WITH SITE CONTRACTOR.
- B. ROOF STRUCTURE SHOWN FOR ILLUSTRATION PURPOSES. TO BE REFINED BY MODULAR BUILDING MANUFACTURER.
- C. TYPICAL WALL IS 6" ABOVE ADJACENT CEILING U.N.O.

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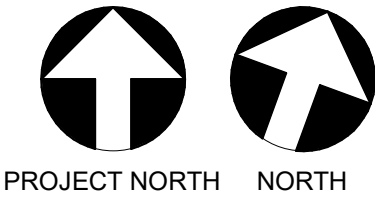
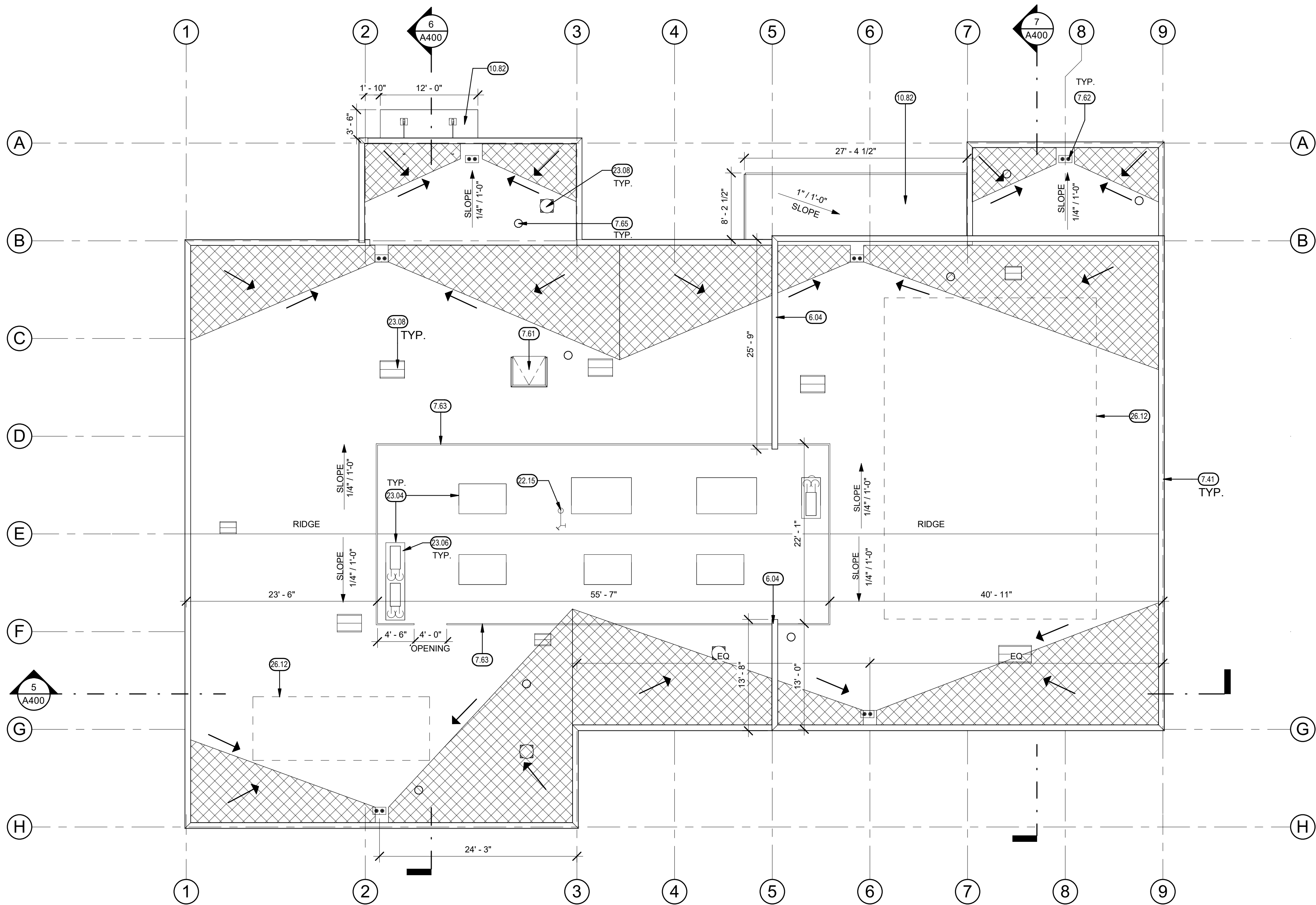


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ARCHITECTS ENGINEERS CONNECTED



CITY OF SHAFTER
POLICE SUBSTATION AND
CITY SERVICES BUILDING
SHAFTER, CA
DRAWING TITLE
BUILDING SECTIONS

PROJECT NO.
22-12529.01
DRAWING
A400



ROOF PLAN

1/8" = 1'-0"

8

KEYNOTES

- 6.04 WRAP 20' - 0" PARAPET WALL ON ROOF. PROVIDE WEEP HOLES AT BOTTOM OF WALL FOR DRAINAGE
- 7.41 ROOF EDGE COPING
- 7.61 ROOF ACCESS HATCH WITH ATTACHED GUARDRAILS
- 7.62 ROOF DRAIN AND OVERFLOW. SEE PLUMBING
- 7.63 MECHANICAL WELL SCREEN WALL
- 7.65 PLUMBING VENT
- 10.82 ENTRANCE CANOPY
- 22.15 HOSE BIBB. SEE PLUMBING
- 23.04 MECHANICAL EQUIPMENT. SEE MECHANICAL DRAWINGS
- 23.06 MECHANICAL PLATFORM. SEE MECHANICAL DRAWINGS
- 23.08 ROOF RELIEF VENT. SEE MECHANICAL DRAWINGS
- 26.12 SOLAR PANELS. SEE ELECTRICAL DRAWINGS

ROOF DRAINAGE CALCULATIONS

- PER CPC TABLE D-101.1 SHAFTER CAN EXPECT THE FOLLOWING FOR PLANNING: 1.5" PER HOUR. OR 0.016 GALLONS PER MINUTE OVER THE SQUARE FOOTAGE OF A ROOF. FOR THIS, THE REDDING NUMBER WAS USED AS THE ONLY CITY SHOWN IN THE SAN JOAQUIN VALLEY.
- ROOF DRAINS:
 - PER TABLE 1101.12, A 3" DIAMETER ROOF DRAIN PIPE CAN ACCOMMODATE UP TO 6,600 SF. AT A RAINFALL RATE OF 1.5" PER HOUR
- LARGE ROOF CALCULATIONS
 - TOTAL ROOF AREA IS 7, 558 SF, DRAINING TO ROOF DRAINS WITH 3" DRAIN PIPES.
 - THE ROOF HAS 4 ROOF DRAINS WITH A TOTAL CAPACITY OF 26,400 SF OF DRAINAGE
- SMALL ROOF CALCULATIONS
 - TOTAL AREA OF EACH ROOF INDIVIDUALLY IS 275 SF, DRAINING TO ROOF DRAINS WITH 3" DRAIN PIPES.
 - EACH ROOF HAS 1 ROOF DRAIN WITH A TOTAL CAPACITY OF 6,600 SF

LEGEND

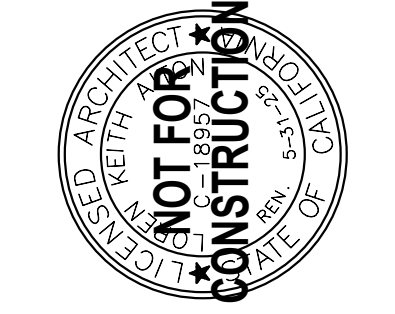
- INDICATES DOWNWARD DIRECTION OF ROOF SLOPE MIN. SLOPE IN ANY DIRECTION SHALL NOT BE LESS THAN 1/4" :12"
- ROOF DRAIN / OVER FLOW DRAIN. SEE MECHANICAL
- ROOFING SYSTEM of TAPERED INSULATION

GENERAL NOTES

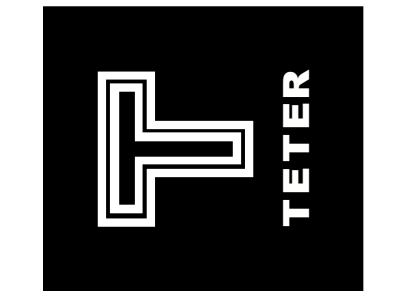
- PROVIDE SEPARATE DRAIN LINES FOR ROOF DRAINS AND OVERFLOW DRAINS. PROVIDE ALL HANGERS + SUPPORTS FOR PIPE AS REQUIRED BE CODE.
- SEE MECHANICAL DRAWINGS FOR ALL MECHANICAL UNIT CLEARANCES.

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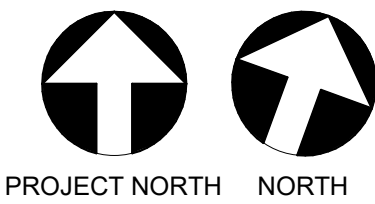
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SHAFTER, CA
DRAWING TITLE
ROOF PLAN

PROJECT NO.
22-12529.01
DRAWING

A500



REFLECTED CEILING PLAN

1/8" = 1'-0"

8

KEYNOTES

- 8.16 20"x30" CEILING ACCESS PANEL
23.02 EXHAUST FAN, SEE MECHANICAL DRAWINGS
23.07 IDU IN DATA ROOM, SEE MECHANICAL DRAWINGS
26.23 EXTERIOR WALL SCONCE, SEE ELECTRICAL

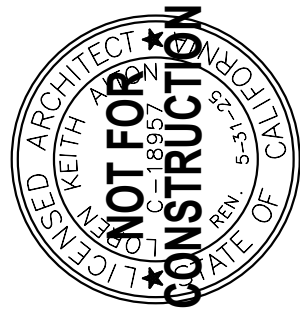
LEGEND

- SUSPENDED ACOUSTIC PANEL CEILING SYS.
- 5/8" GYP. BD. O/ WOOD CEILING JOISTS.
- ELECTRICAL LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- MECHANICAL GRILLES, SEE MECHANICAL DRAWINGS
- CEILING-MOUNTED ILLUMINATED EXIT SIGN, SEE ELECTRICAL
- INDICATES INTERIOR WALLS AS FULL HEIGHT TO UNDERSIDE OF ROOF STRUCTURE

GENERAL NOTES

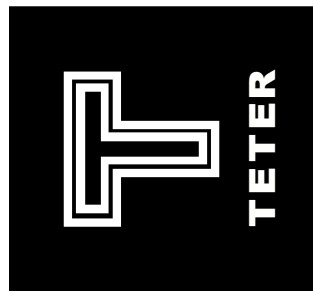
- A. FOR SUPPORT REQUIREMENTS FOR LIGHT FIXTURES OR HVAC SYSTEM REGISTERS, SEE - / - ...
- B. CEILINGS ARE 9'-0" A.F.F. U.N.O.
- C. CENTER SURFACE MOUNTED LIGHTS IN GYP BOARD CEILINGS U.N.O.
- D. SEE A000 FOR TYP. SYMBOLS

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CITY OF SHAFTER
POLICE SUBSTATION AND
CITY SERVICES BUILDING
SHAFTER, CA

DRAWING TITLE

REFLECTED CEILING PLAN

PROJECT NO.

22-12529.01

DRAWING

A600

\\let-file\Users\tyler.dinis_TETR\Documents\12529-A-Shafter Police Station_Tyler.dinis.rvt

PLOT DATE: 10/4/2024 4:23:18 PM

GENERAL NOTES

- DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT (CBC 1010.2). THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE MOTION IN A SINGLE LINEAR OR ROTATIONAL DIRECTION TO RELEASE ALL LATCHING AND LOCKING DEVICES (CBC 1010.2.1).
- LEVERS, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON REQUIRED MEANS OF EGRESS DOORS SHALL COMPLY WITH SFM STANDARD 12-10-2, SECTION 12-10-202 CONTAINED IN THE CCR, TITLE 24, PART 12, CALIFORNIA REFERENCED STANDARDS CODE (CBC 1010.2.2).
- HAND ACTIVATED DOOR OPERATING HARDWARE SHALL BE LEVER HANDLED OR PULLS THAT ARE EASY TO GRASP WITH ONE HAND AND DO NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. (CBC 1010.1.9.1, 11B-309.4).
- OPERATING HARDWARE SHALL BE MOUNTED 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISHED FLOOR OR LANDING LEVEL (CBC 1010.2.3, 11B-404.2.7).
- MANUALLY OPERATED SURFACE OR FLUSH BOLTS ARE NOT PERMITTED EXCEPT FOR THE INACTIVE LEAF OF PAIRS OF DOORS SERVING STORAGE OR EQUIPMENT ROOMS, OR SERVING B, F OR S OCCUPANCIES HAVING AN OCCUPANT LOAD OF LESS THAN 50 OCCUPANTS (CBC 1010.2.5).
- IF A DOOR HAS A CLOSER, THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM (CBC11B-404.2.8.1). CLOSERS SHALL BE ADJUSTED SO THAT THE FORCE REQUIRED TO PUSH OR PULL OPEN A DOOR SHALL NOT EXCEED 5 LBS. FOR INTERIOR AND EXTERIOR DOORS AND NOT MORE THAN 15 LBS. FOR REQUIRED FIRE RATED DOORS (CBC 1010.1.3). FOR SWINGING DOORS, THE FORCE SHALL BE APPLIED PERPENDICULAR TO THE DOOR AT THE DOOR OPERATING HARDWARE; FOR SLIDING DOORS, THE FORCE SHALL BE MEASURED PARALLEL TO THE DOOR APPLIED AT THE PULL OR LATCH (CBC 11B-404.2.9).
- THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2 INCH IN HEIGHT ABOVE THE LOWEST FLOOR OR LANDING LEVEL. CHANGES IN ELEVATION GREATER THAN 1/4 INCH SHALL BE BEVELED WITH A SLOPE NOT GREATER THAN 2:1 HORIZONTAL TO VERTICAL (CBC 11B-404.2.3, 11B-303, AND 1010.1.6).
- THE BOTTOM 10 INCHES OF THE PUSH SIDE OF SWINGING DOORS SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEEL CHAIR FOOTREST WITHOUT CREATING TRAP OR HAZARDOUS CONDITION (CBC 11B-404.2.10).
- GLAZING IN DOORS SHALL BE TEMPERED SAFETY GLASS OR OTHER APPROVED SAFETY GLAZING MATERIAL (CBC 2406.4.1). SAFETY GLAZING SHALL BE PERMANENTLY IDENTIFIED IN ACCORDANCE WITH CBC 2406.3).
- VISION LITES IN DOORS SHALL HAVE THE BOTTOM EDGE OF VISIBLE GLASS 43 INCHES MAXIMUM ABOVE THE FLOOR (CBC 11B-404.2.11).
- ALL DOORS SHALL BE 1-3/4 INCHES THICK UNLESS NOTED OTHERWISE.
- ALL DOORS OVER 48 INCHES IN WIDTH SHALL BE PAIRS OF DOORS UNLESS NOTED OTHERWISE.
- REFER TO INTERIOR FINISH SCHEDULE FOR COLOR/GLOSS/ PATTERN FOR PAINTED DOOR AND FRAME FINISHES.
- FIRE RATED DOOR/FRAME ASSEMBLIES SHALL BE LABELED BY AN APPROVED AGENCY AND HAVE LABELS COMPLYING WITH NFPA 80 PERMANENTLY AFFIXED TO THE DOOR AND FRAME (CBC 716.2.9). FIRE RATED DOOR/FRAME ASSEMBLIES SHALL BE SELF CLOSING AND POSITIVE LATCHING (CBC 716.2.6.1).
- WHERE NEW DOORS ARE TO BE INSTALLED IN EXISTING DOOR FRAMES, THE CONTRACTOR SHALL FIELD VERIFY THE SIZE OF THE EXISTING DOOR OPENING AND CONFIRM THE SIZE OF NEW DOORS
- SWINGING DOOR SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. CBC 11B-404.2.10.
- THE LEVER OR LEVER ACTUATED LATCHES OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2 INCH OF THE DOOR TO PREVENT CATCHING ON CLOTHING OF PERSONS DURING EGRESS.
- WHERE EGRESS DOORS ARE USED IN PAIRS, APPROVED AUTOMATIC FLUSH BOLTS ARE PERMITTED TO BE USED PROVIDED THE DOOR LEAF FITTED WITH THE AUTOMATIC FLUSH BOLT HAS NO DOORKNOBS OR SURFACE-MOUNTED HARDWARE.

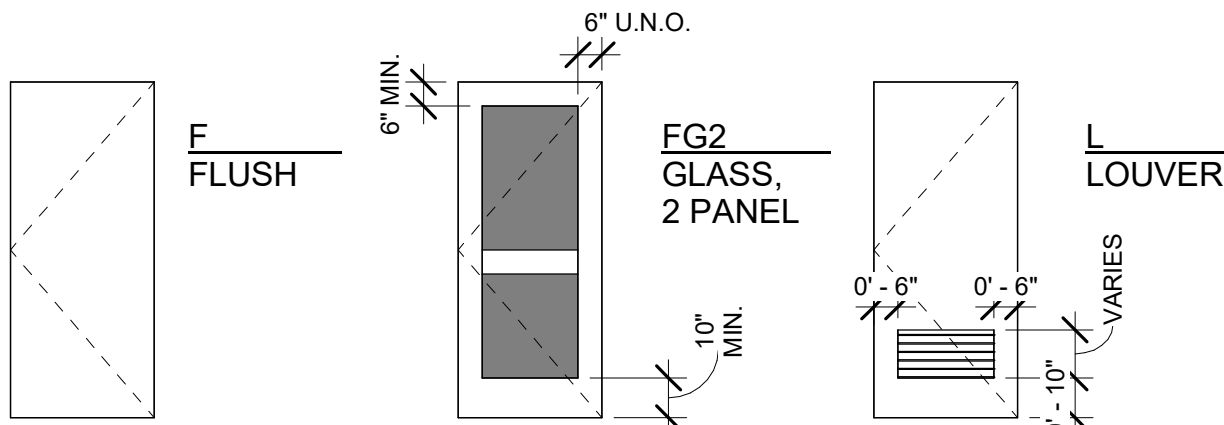
ABBREVIATIONS

AL	ALUMINUM	KD	KNOCK-DOWN
AN	ANNODIZED	P	PAINT
HM	HOLLOW METAL	SC	SOLID CORE WOOD
ITG	INSULATED TEMPERED GLASS	SF	STOREFRONT, ALUMINUM
		TG	TEMPERED GLASS

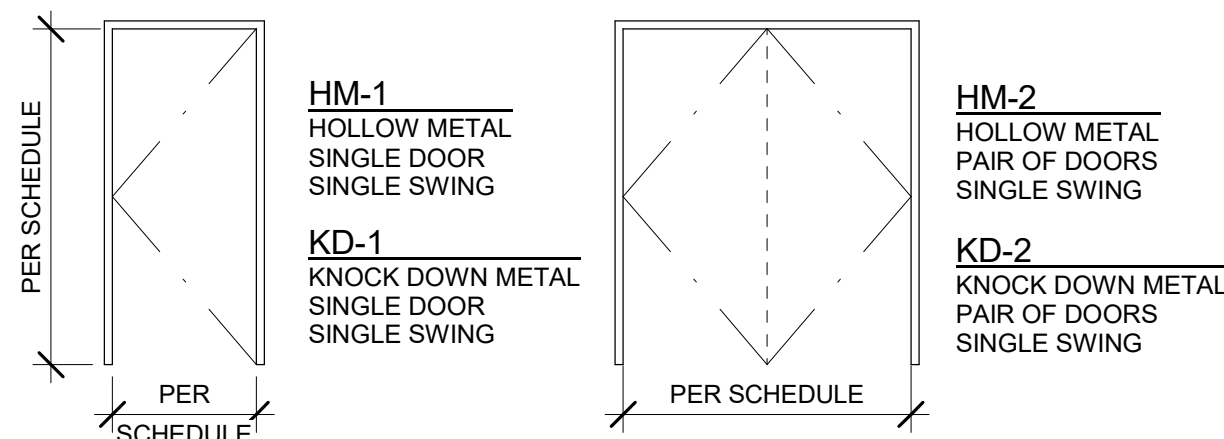
REMARKS

- PROVIDE SIGN IN 1" HIGH LETTERS STATING "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED".
- ACCESS CONTROLLED DOOR, SEE ELECTRICAL DWGS.
- 12" X 4.5" DOOR LOUVER.
- 12" X 3" DOOR LOUVER.
- 12" X 9" DOOR LOUVER.
- 12"X 6" DOOR LOUVER.

DOOR TYPES



DOOR FRAME TYPES



DOOR SCHEDULE

N.T.S.

3

GENERAL NOTES

WINDOW SCHEDULE ABBREVIATIONS:

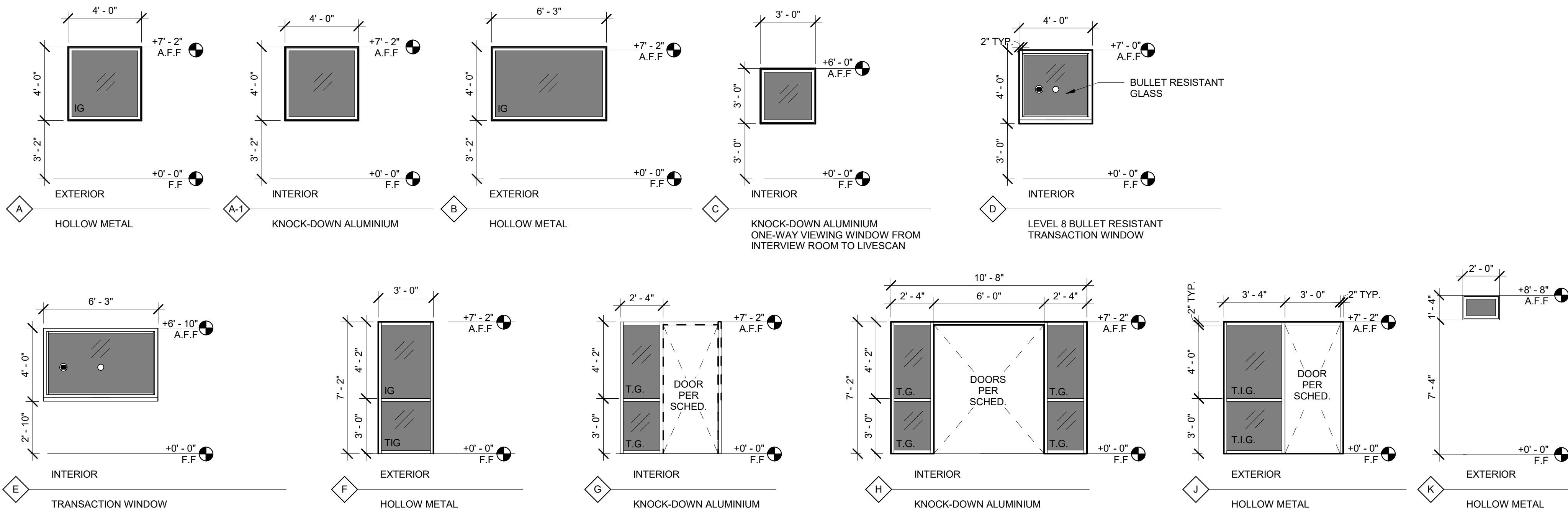
TIG: TEMPERED INSULATED GLASS PANEL, CLEAR
TG: TEMPERED GLASS PANEL, CLEAR
IG: INSULATED GLASS PANEL, CLEAR

WINDOW SCHEDULE REMARKS:

- GLAZING IN HAZARDOUS LOCATIONS DESCRIBED IN THE 2022 CBC 2406.4, SHALL BE TEMPERED SAFETY GLASS MEETING THE REQUIREMENTS OF 2022 CBC 2406.1, 2406.2, & 2406.3.
- FRAMING PERIMETER DIMENSIONS ARE OPENING SIZES, CONTRACTOR TO VERIFY EXACT FRAME DIMENSIONS.

REMARKS

- WINDOW TREATMENTS: MANUALLY OPERATED ROLLER SHADES W/ SINGLE ROLLERS, BASIS OF DESIGN: MECHOSHADE SYSTEMS, INC.
 - OPERATION: MANUAL WITH ENDLESS CHAIN OPERATION.
 - MOUNTING: OUTSIDE OF JAMB INSTALLATION.
 - FABRIC: LIGHT FILTERING.
 - COLOR: T.B.D.



WINDOW SCHEDULE

N.T.S.

4

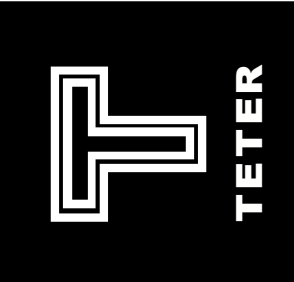
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CITY OF SHAFTER
POLICE SUBSTATION AND
CITY SERVICES BUILDING
SHAFTER, CA

DRAWING TITLE

DOOR & WINDOW SCHEDULES

PROJECT NO.

22-12529.01

DRAWING

A700

FINISH LEGEND				
KEY	PRODUCT DESCRIPTION	MANUFACTURER/ SERIES	COLOR / PATTERN	REMARKS
AC	ACOUSTIC CEILING TILE	ARMSTRONG, DUNE SECOND LOOK, #272	WHITE	
CPT1	CARPET TILE	INTERFACE	-	
CPT2	CARPET TILE	INTERFACE	-	
FRP	FIBER-REINFORCED PLASTIC PANEL	MARLITE	-	
GB1	GYP SUM BOARD	-	-	
GB2	GYP SUM BOARD (MOISTURE RESISTANT)	-	-	
LVT1	LUXURY VINYL TILE	MANNINGTON, ADURA FLEX	GRAFFITI	
LVT2	LUXURY VINYL TILE	MANNINGTON	-	
P1	PAINT - FIELD	SHERWIN WILLIAMS	-	
P2	PAINT - ACCENT	SHERWIN WILLIAMS	-	
PL1	PLASTIC LAMINATE	WILSONART	-	
RTS	RUBBER TOPSET / COVE	BURKE	CHARCOAL 217	
SC	SEALED CONCRETE	-	-	
SS1	SOLID SURFACE	CORIAN	-	
TB	TILE BASE	-	-	
T1	TILE (FLOOR)	-	-	
T2	TILE (BASE)	-	-	
VCT	VINYL COMPOSITION TILE	-	-	

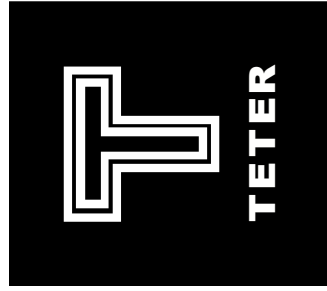
FINISH SCHEDULE																		
ROOM NO.	ROOM NAME	Floor	Base		WALLS								CASEWORK	COUNTERTOPS	CEILING		REMARKS	
					NORTH		EAST		SOUTH		WEST				MATERIAL	FINISH		
					MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH						
101	POLICE LOBBY	LVT1	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	-	SS1	AC	-		
102	RESTROOM	T1	TB	-	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	-	-	GB2	P1		
103	LIVESCAN	CPT1	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	-	-	AC	-		
104	INTERVIEW	CPT1	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	-	-	AC	-		
105	JANITOR	VCT	RTS	4"	GB2/FRP	P1	GB2/FRP	P1	GB1/FRP	P1	GB1/FRP	P1	-	-	GB2	-		
106	SHOWER	T1	TB	-	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	-	-	GB2	P1		
107	RESTROOM	T1	TB	-	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	-	-	GB2	P1		
108	DATA/ TELECOM	VCT	RTS	4"	GB1	P1	GB1	P1	GB1	P1	GB1	P1	-	-	AC	-		
109	WELLNESS	LVT1	RTS	4"	GB2	P1	GB1	P1	GB1	P2	GB1	P1	PL1	SS1	AC	-		
110	ELECTRICAL	SC	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	-	-	GB1	P1		
111	BREAK ROOM	LVT1	RTS	4"	GB1	P1	GB1	P2	GB1	P1	GB2	P1	PL1	SS1	AC	-		
112	OFFICE	CPT1	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	-	-	AC	-		
113	CONFERENCE	CPT1	RTS	4"	GB1	P1	GB1	P1	GB1	P1	GB1	P1	-	-	AC	-		
114	OFFICE	CPT1	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	-	-	AC	-		
115	OFFICE	CPT1	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	-	-	AC	-		
116	EVIDENCE	LVT1	RTS	4"	GB1	P1	GB1	P2	GB1	P1	GB1	P1	-	-	AC	-		
117	ARMORY/ STORAGE	LVT1	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	-	-	AC	-		
118	STORAGE	LVT1	RTS	4"	GB1	P1	GB1	P1	GB1	P1	GB1	P1	-	-	AC	-		
119	RECORDS	CPT1	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	PL1	SS1	AC	-		
120	OFFICER WORKSTATIONS	LVT1	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1	PL1	SS1	AC	-		
121	HALL	LVT1	RTS	4"	GB1	P1	GB1	P2	GB1	P1	GB1	P1			AC	-		
122	CITY ANNEX LOBBY	LVT2	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1			AC	-		
123	MEN	T1	TB	-	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1			GB2	P1		
124	WOMEN	T1	TB	-	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1			GB2	P1		
125	CUSTODIAN	VCT	RTS	4"	GB2/FRP	P1	GB2/FRP	P1	GB1/FRP	P1	GB1/FRP	P1			GB2	P1		
126	COMMUNITY ROOM	LVT2	RTS	4"	GB1	P1	GB1	P2	GB1	P1	GB1	P1			AC	-		
127	LIBRARY	CPT2	RTS	4"	GB1	P1	GB1	P1	GB1	P2	GB1	P1			AC	-		
128	TABLE & CHAIR STORAGE	LVT2	RTS	4"	GB1	P1	GB1	P1	GB1	P1	GB1	P1			AC	-		
129	LIBRARY OFFICE	CPT2	RTS	4"	GB1	P1	GB1	P2	GB1	P1	GB1	P1			AC	-		
130	LIBRARY WORK ROOM	LVT2	RTS	4"	GB2	P1	GB1	P1	GB1	P2	GB1	P1	PL1	SS1	AC	-		
131	RESTROOM	T1	TB	-	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	GB2/T2	P1	-	-	GB2	P1		
132	BREAK ROOM	LVT2	RTS	4"	GB2	P1	GB1	P1	GB1	P1	GB1	P1	PL1	SS1	AC	-		
133	OFFICE	CPT2	RTS	4"	GB1	P1	GB1	P1	GB1	P1	GB1	P1	-	-	AC	-		
134	STORAGE	CPT2	RTS	4"	GB1	P1	GB1	P1	GB1	P1	GB1	P1	-	-	AC	-		
135	CITY OFFICES	CPT2	RTS	4"	GB1	P1	GB1	P1	GB1	P1	GB1	P1	-	-	AC	-		
136	COPY ROOM	CPT2	RTS	4"	GB1	P1	GB1	P1	GB1	P1			PL1	SS1	AC	-		
137	PUBLIC SERVICE	CPT2	RTS	4"	GB1	P1	GB1	P1	GB1	P1			PL1	SS1	AC	-		

FINISH SCHEDULE

N.T.S.

2

CITY OF SHAFTER
POLICE SUBSTATION AND
CITY SERVICES BUILDING
SHAFTER, CA



TETER, INC.

FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

FINISH SCHEDULE

PROJECT NO.

22-12529.01

DRAWING

A701

MARK

DATE

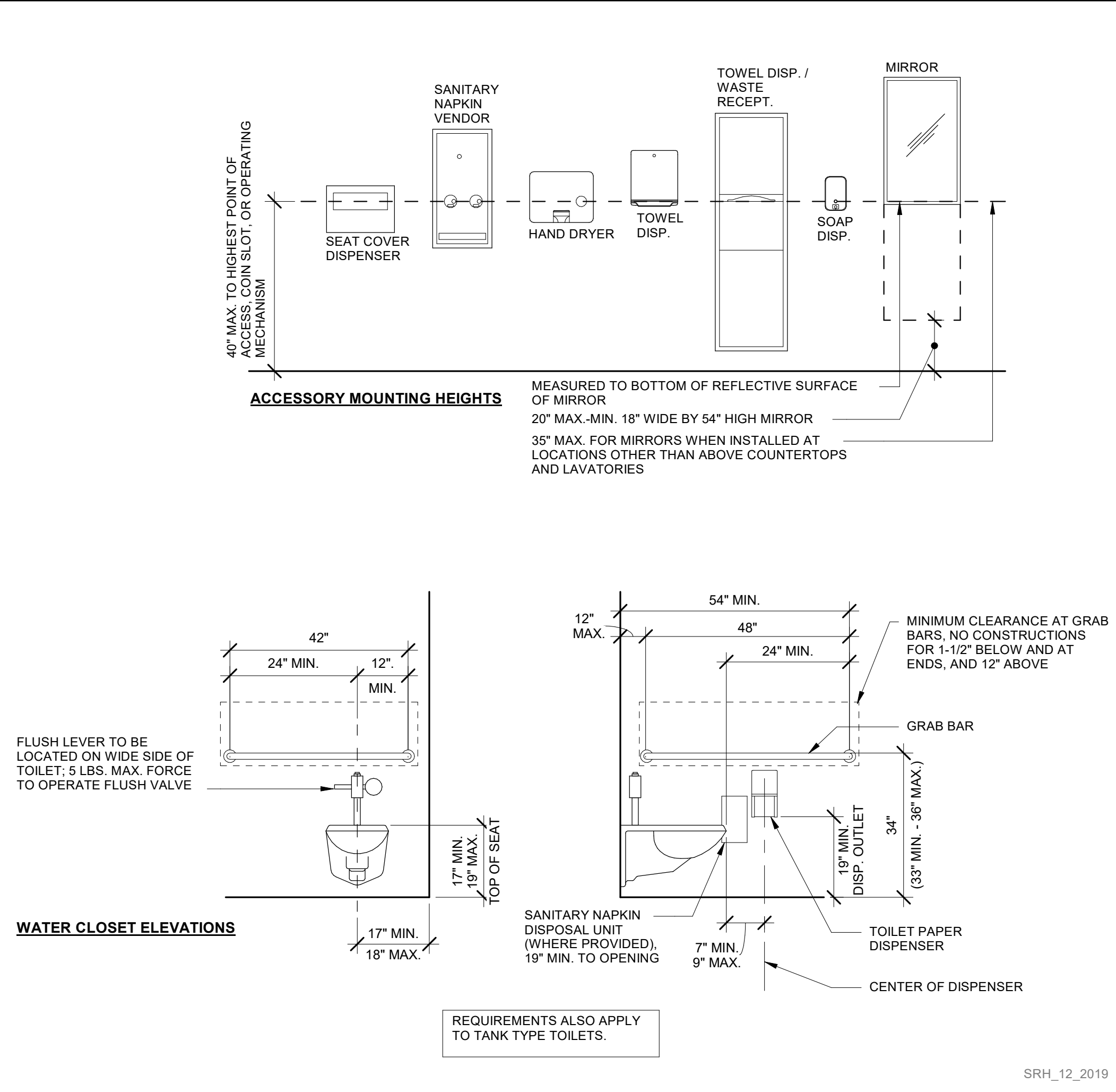
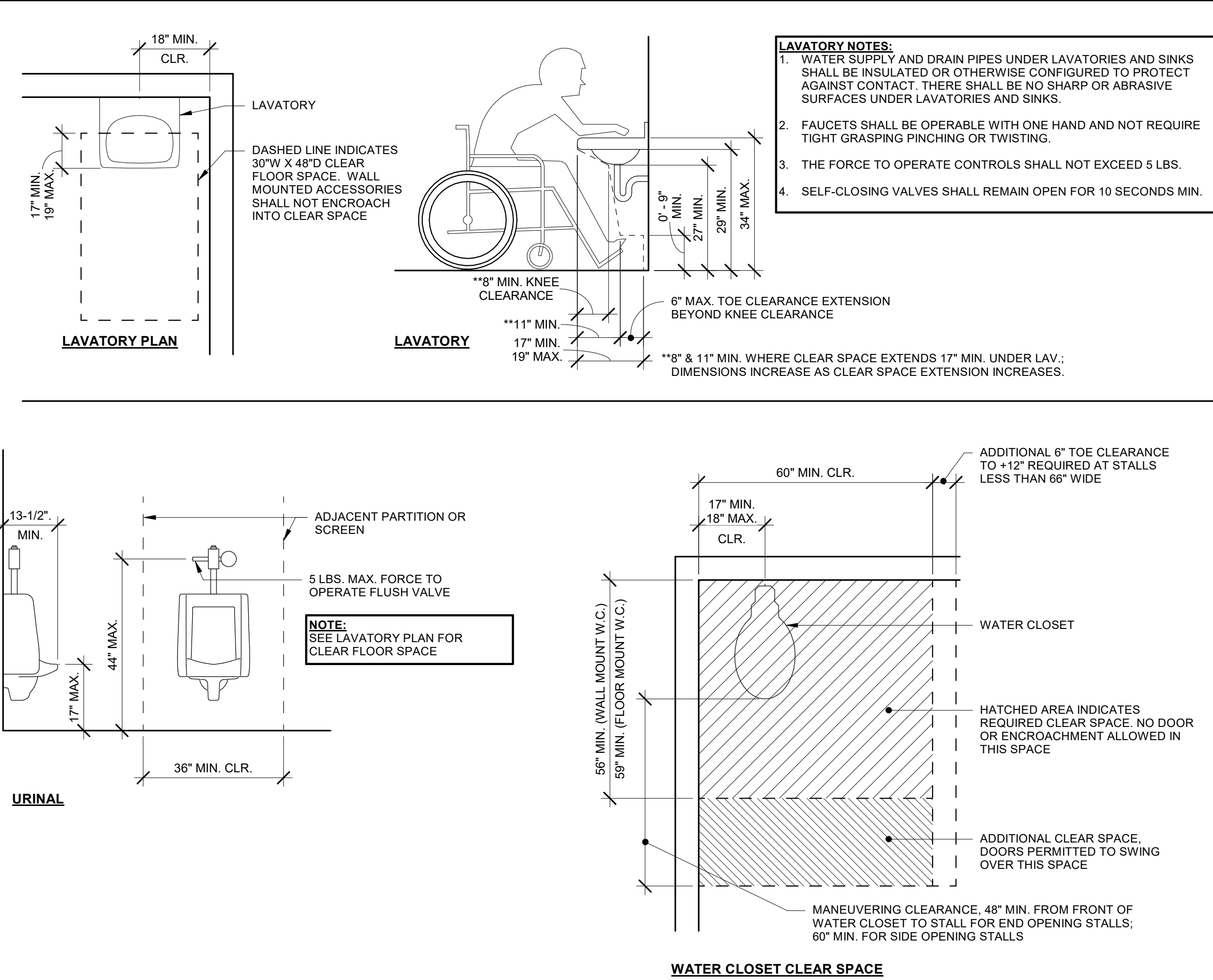
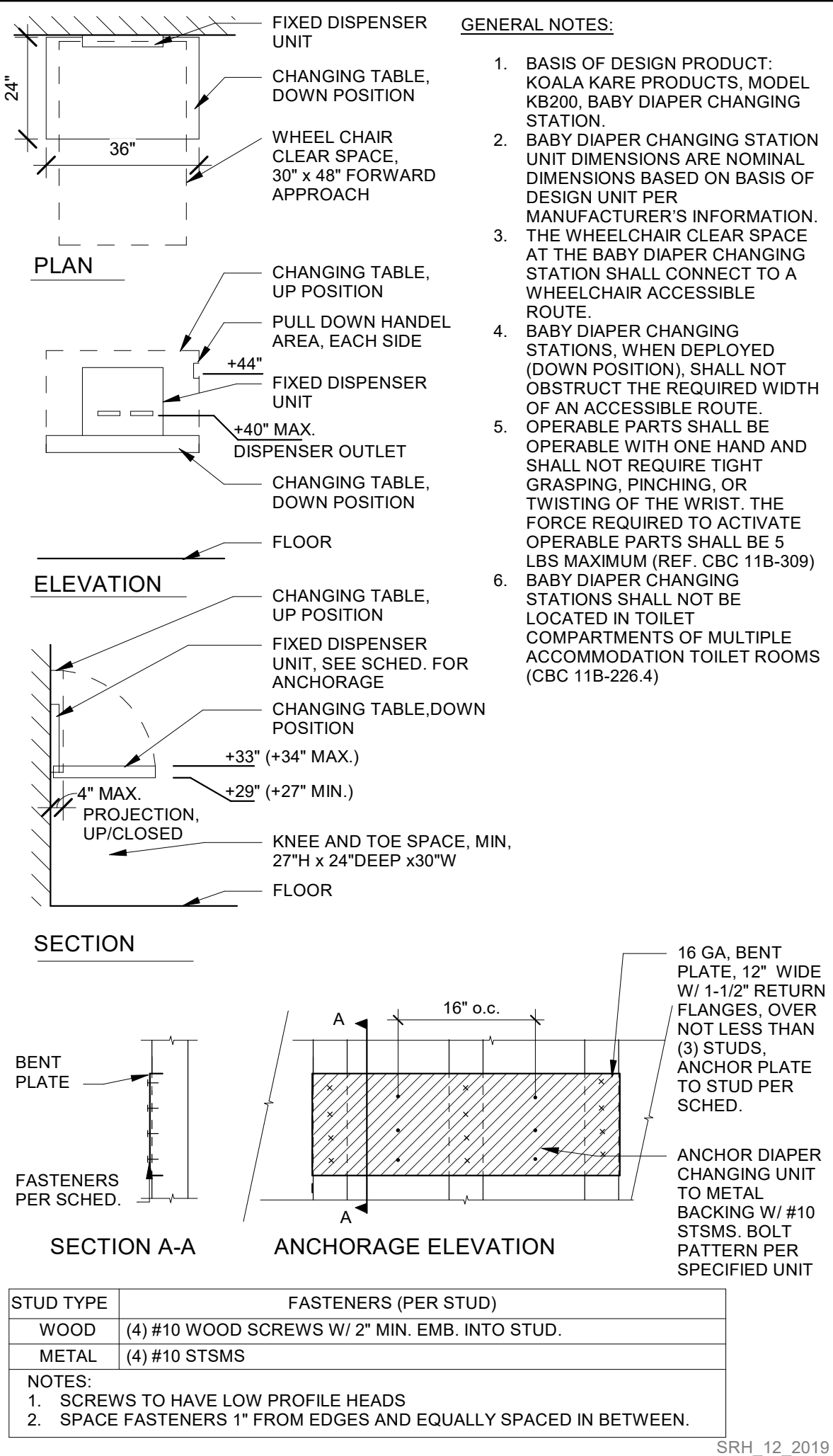
DESCRIPTION

09/09/2024

95% DESIGN DEVELOPMENT



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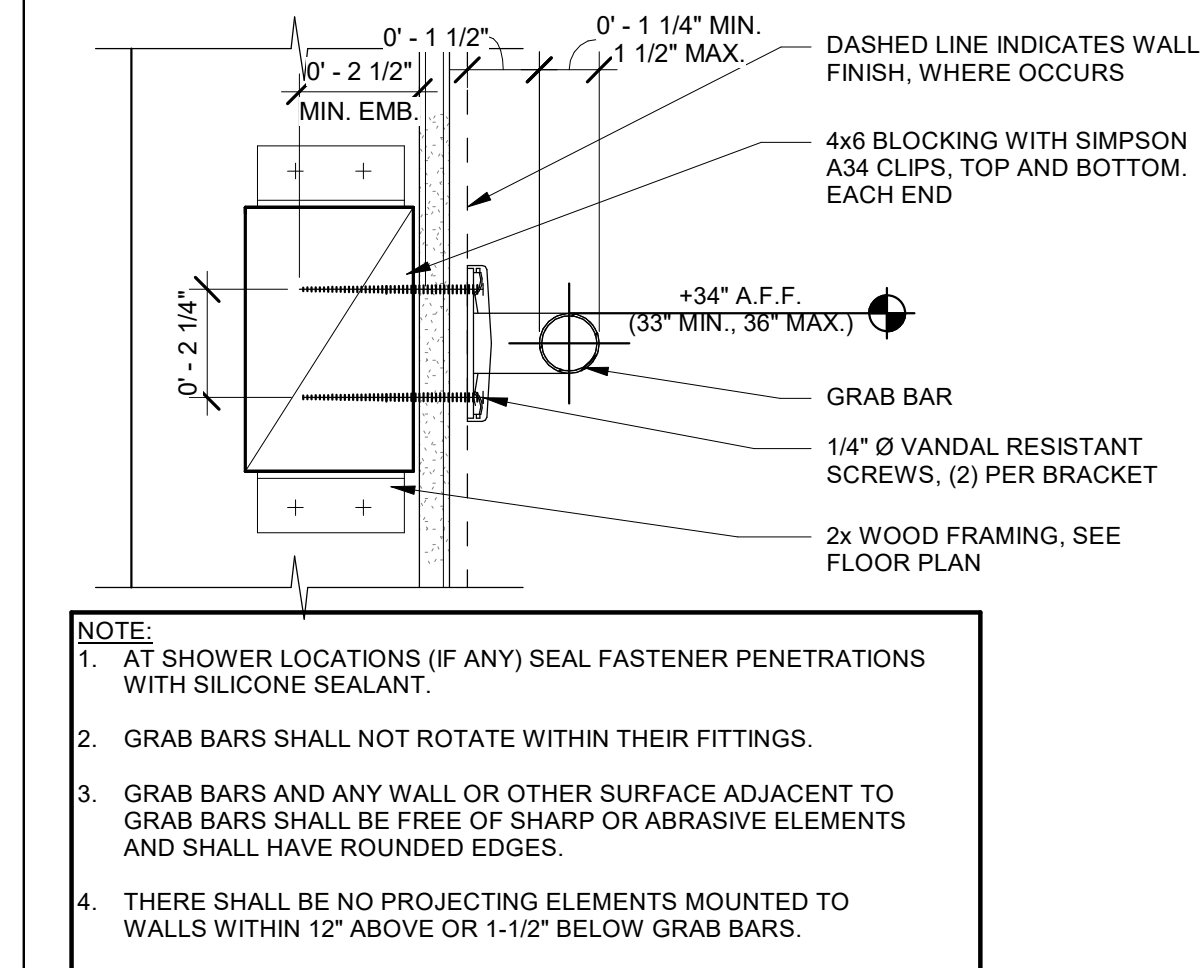
DIAPER CHANGING STATION

$$3/8'' = 1'-0''$$

18 | ACCESSIBLE FIXTURE & ACCESSORY MOUNTING HEIGHTS & CLEARANCES

$$1/2'' = 1'-0''$$

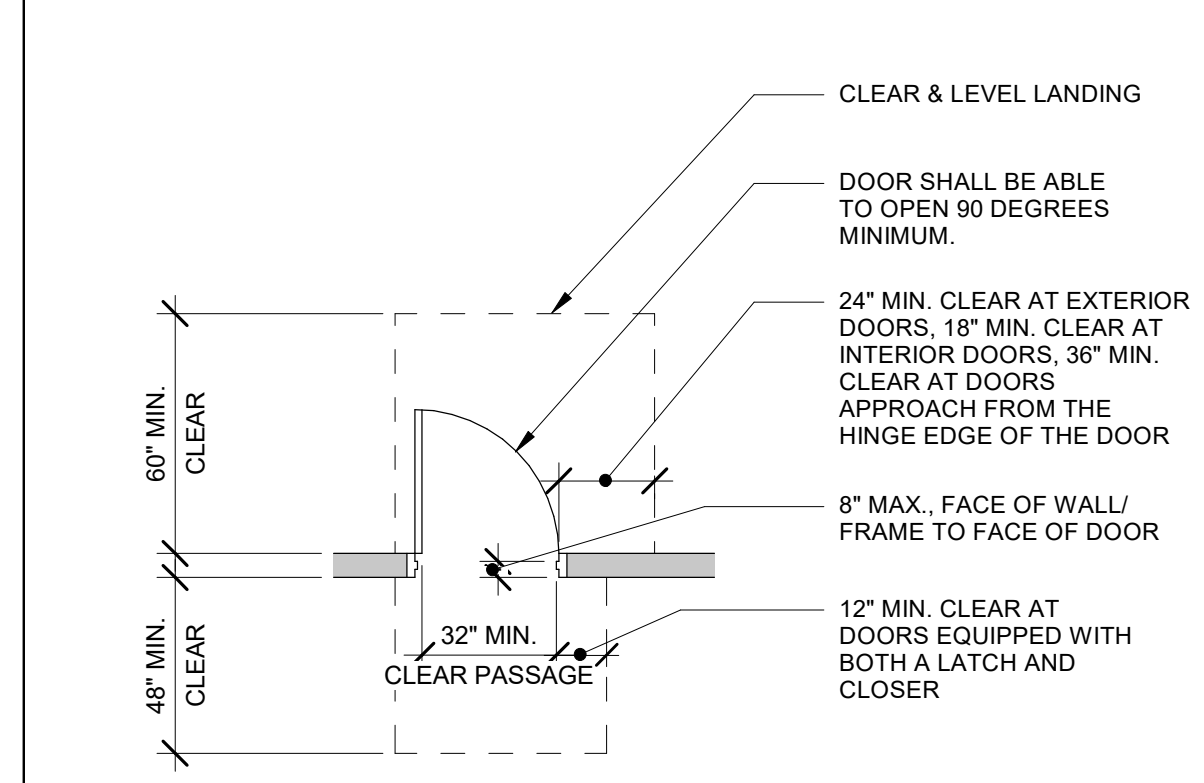
2



GRAB BAR ANCHORAGE - WD

$$3'' = 1'-0''$$

3



ACCESSIBLE MANEUVERING CLEARANCE AT DOORS	
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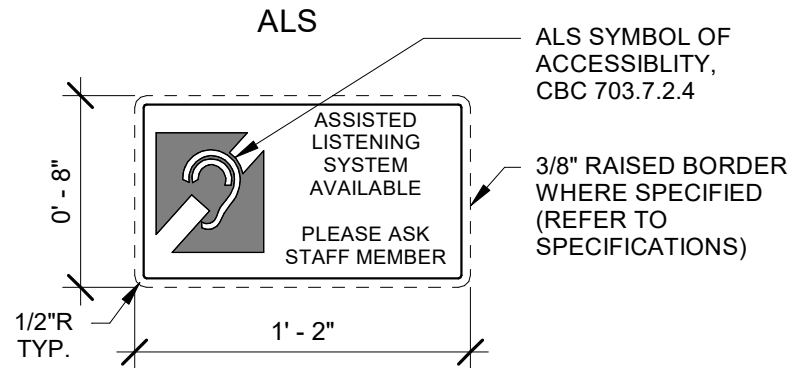
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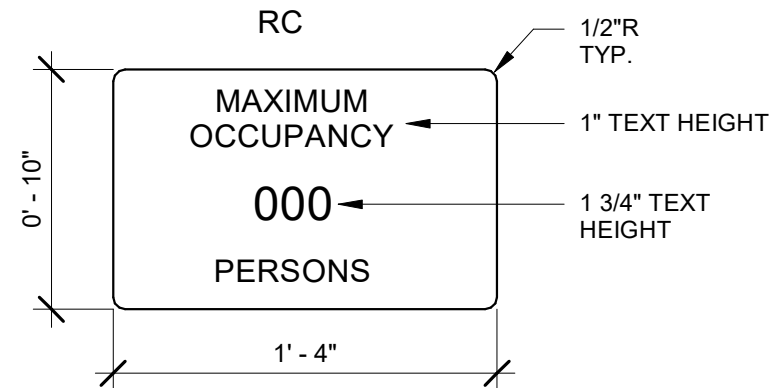
ASSISTED LISTENING DEVICE (ALS)

- SEE INTERIOR ELEVATION FOR POSTED LOCATION.



ROOM CAPACITY SIGN (RC)

SINGLE PURPOSE ROOM



ROOM NAME	MAX CAPACITY
COMMUNITY ROOM	61

TABLE 11B-703.5.5 (VISUAL CHARACTER HEIGHT)		
HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 INCHES TO LESS THAN OR EQUAL TO 70 INCHES	LESS THAN 72 INCHES	5/8 INCHES
	72 INCHES AND GREATER	5/8 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 72 INCHES
GREATER THAN 70 INCHES TO LESS THAN OR EQUAL TO 120 INCHES	LESS THAN 180 INCHES	2 INCHES
	180 INCHES AND GREATER	2 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 180 INCHES
GREATER THAN 120 INCHES	LESS THAN 21 FEET	3 INCHES
	21 FEET AND GREATER	3 INCHES, PLUS 1/8 INCH PER FOOT OF VIEWING DISTANCE ABOVE 21 FOOT

GENERAL NOTES:

- INFORMATIONAL SIGNAGE SHALL COMPLY WITH CBC 11B-703.5
- INFORMATIONAL SIGNS ARE NOT REQUIRED TO HAVE RAISED CHARACTERS AND ACCOMPANYING BRAILLE.
- LETTERING TO BE 3/4" HIGH MIN. U.N.O.

FINISH AND CONTRAST (CBC 11B-703.5.1): VISUAL CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

CASE (CBC 11B-703.5.2): CHARACTERS SHALL BE UPPERCASE OR LOWERCASE OR A COMBINATION OF BOTH.

STYLE (CBC 11B-703.5.3): CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS.

CHARACTER PROPORTIONS (CBC 11B-703.5.4): CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".

CHARACTER HEIGHT (CBC 11B-703.5.5): MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 11B-703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I".

STROKE THICKNESS (CBC 11B-703.5.7): STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10 PERCENT MINIMUM AND 20 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.

CHARACTER SPACING (CBC 11B-703.5.9): CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT CHARACTERS, EXCLUDING WORD SPACES. SPACING BETWEEN INDIVIDUAL CHARACTERS SHALL BE 10 PERCENT MINIMUM AND 35 PERCENT MAXIMUM OF CHARACTER HEIGHT.

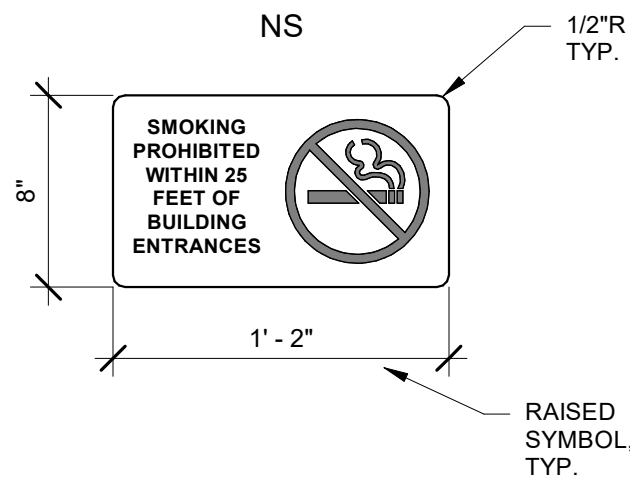
LINE SPACING (CBC 11B-703.5.9): SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF CHARACTERS WITHIN A MESSAGE SHALL BE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE CHARACTER HEIGHT.

FORMAT (CBC 11B-703.5.10): TEXT SHALL BE IN A HORIZONTAL FORMAT.

PICTOGRAMS (CBC 11B-703.6): PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD AND BRAILLE TRANSLATION BELOW TEXT DESCRIPTION. TEXT DESCRIPTORS SHALL COMPLY WITH CBC SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.1.

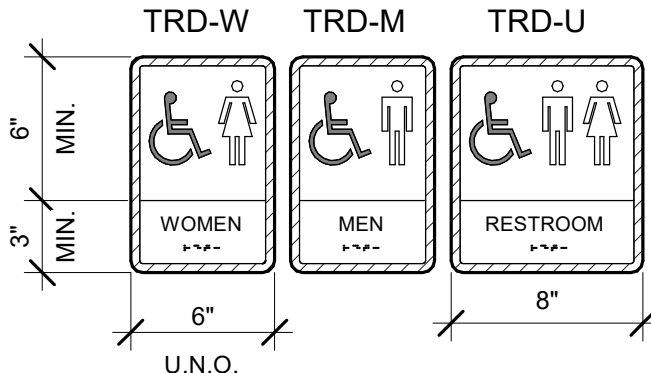
SYMBOL OF ACCESSIBILITY (CBC 11B-703.7): SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND.

NO SMOKING SIGN (NS)



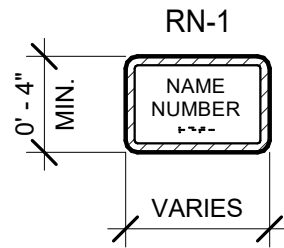
TYPICAL ROOM IDENTIFICATION

DOOR MOUNTED TOILET SIGNAGE AT ACCESSIBLE TOILETS (TRW)



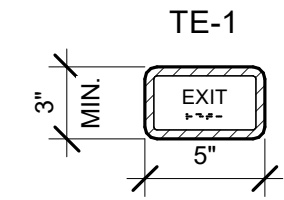
WALL MOUNTED IDENTIFICATION SIGNAGE @ FUNCTIONAL ROOMS (RN)

COORDINATE ROOM NAME AND NUMBER WITH OWNER PRIOR TO FABRICATION. DO NOT USE IDENTIFICATION FOUND ON THE DRAWINGS, U.N.O.

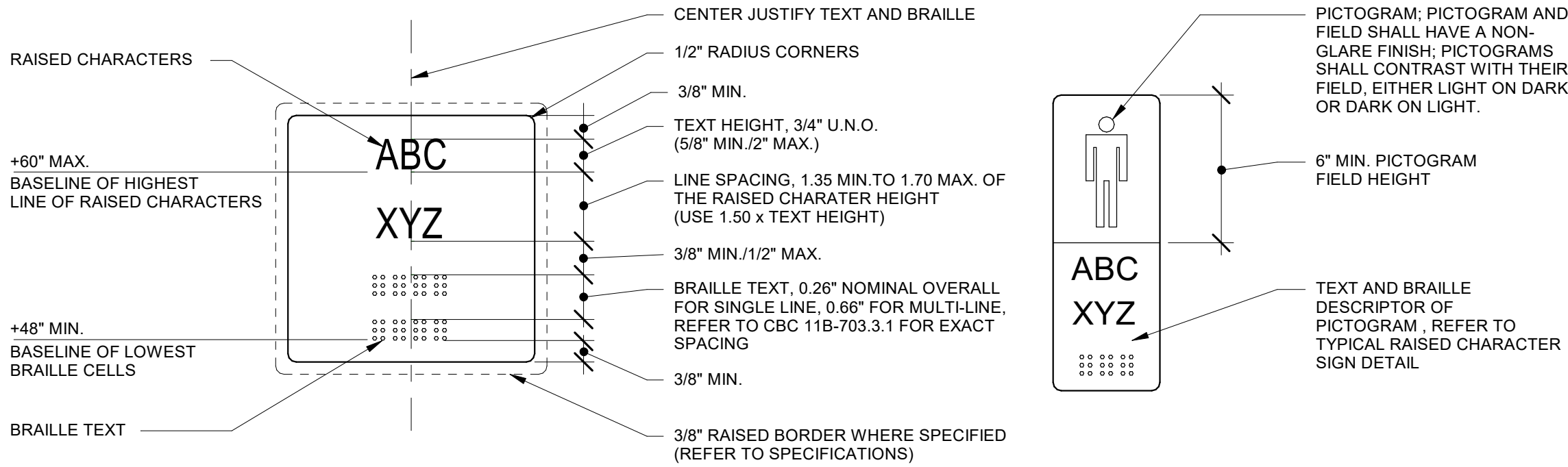
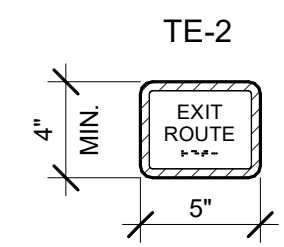


WALL MOUNTED TACTILE EXIT SIGN (TE)

- EXIT DOOR LEADS DIRECTLY TO GRADE LEVEL EXTERIOR EXIT, SIGN TO STATE: "EXIT"

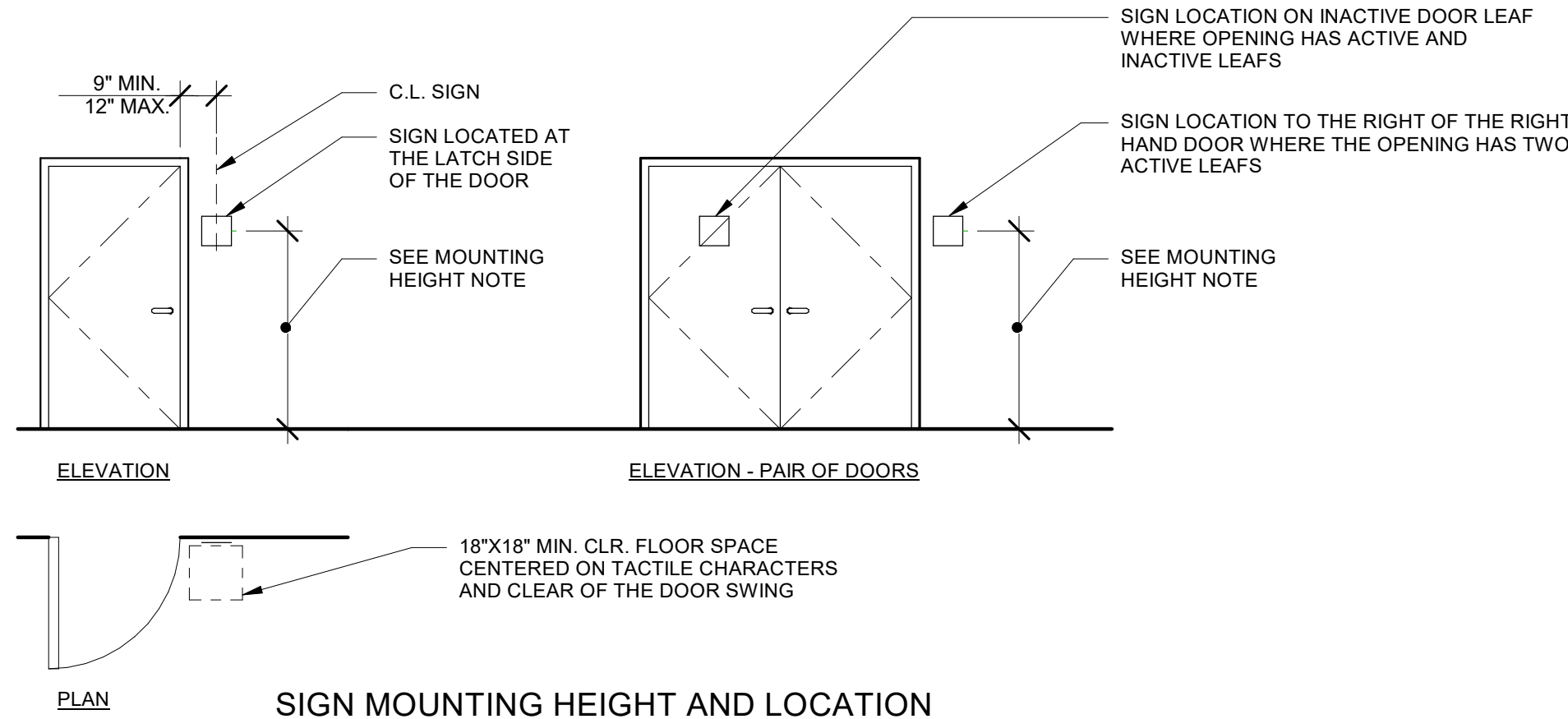


- EACH EXIT ACCESS DOOR FROM AN INTERIOR ROOM OR AREA THAT IS REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS, "EXIT ROUTE."



TYPICAL ROOM IDENTIFICATION OR TACTILE EXIT SIGN

SIGN WITH PICTOGRAM



NOTES:

GENERAL: SIGNAGE SHALL COMPLY WITH CBC SECTION 11B-703. RAISED CHARACTER SIGNS SHALL COMPLY WITH CBC 11B-703.2, 11B-703.3 AND 11B-703.4

RAISED CHARACTERS (CBC 11B-703.2): RAISED CHARACTERS (TEXT) SHALL COMPLY WITH CBC SECTION 11B-703.2 AND SHALL BE DUPLICATED IN BRAILLE. RAISED CHARACTERS SHALL BE UPPER CASE AND BE RAISED 1/32-INCH MINIMUM ABOVE THEIR BACKGROUND. CHARACTERS SHALL BE SANS SERIF AND NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OTHER UNUSUAL FORMS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8-INCH MINIMUM AND 2 INCHES MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER. TEXT SHALL BE IN A HORIZONTAL FORMAT. CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.

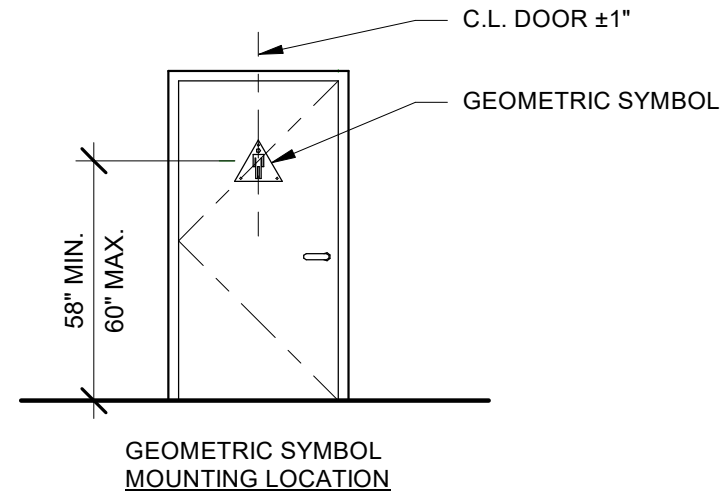
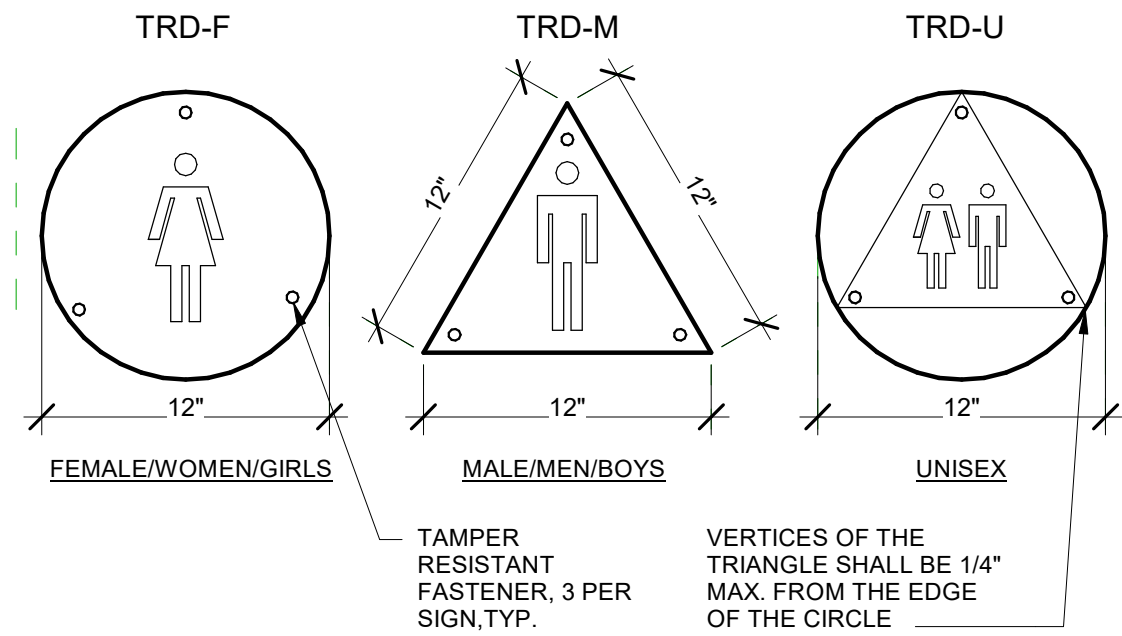
BRAILLE (CBC 11B-703.3): BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH CBC SECTIONS 11B-703.3. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH CBC TABLE 703.3.1. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT. CENTER JUSTIFIED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM AND FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

MOUNTING HEIGHT (CBC 11B-703.4.1): TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FORM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.

LOCATION (CBC 11B-703.4.2): SIGNS SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR, WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS. SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION. WHERE PROVIDED, SIGNS IDENTIFYING PERMANENT ROOMS AND SPACES SHALL BE LOCATED AT THE ENTRANCE TO, AND OUTSIDE OF THE ROOM OR SPACE. WHERE PROVIDED, SIGNS IDENTIFYING EXITS SHALL BE LOCATED AT THE EXIT DOOR WHEN APPROACHED IN THE DIRECTION OF EGRESS TRAVEL.

PICTOGRAMS (CBC 11B-703.6): PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD AND BRAILLE TRANSLATION BELOW TEXT DESCRIPTION. TEXT DESCRIPTORS SHALL COMPLY WITH CBC SECTIONS 11B-703.2, 11B-703.3, AND 11B-703.4.1.

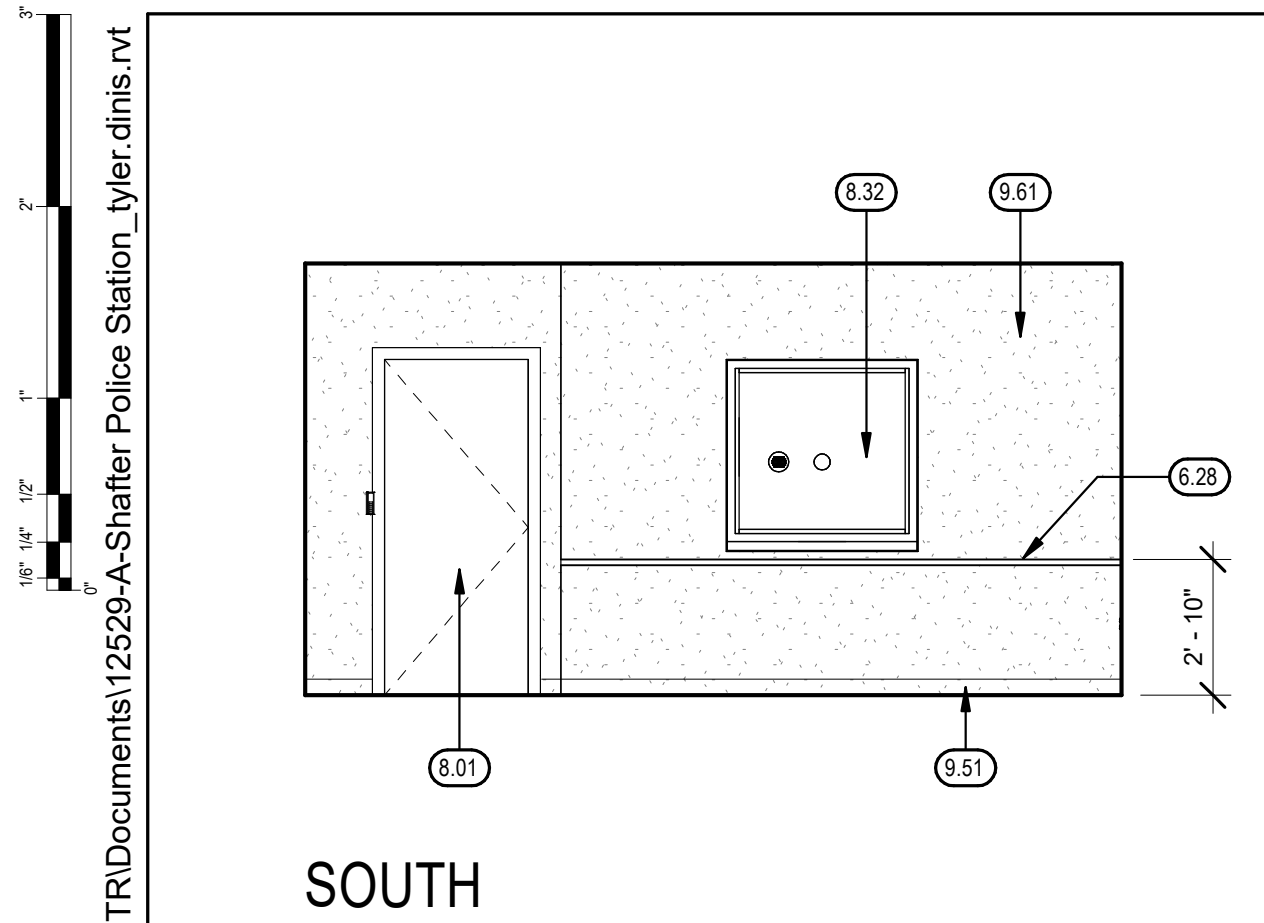
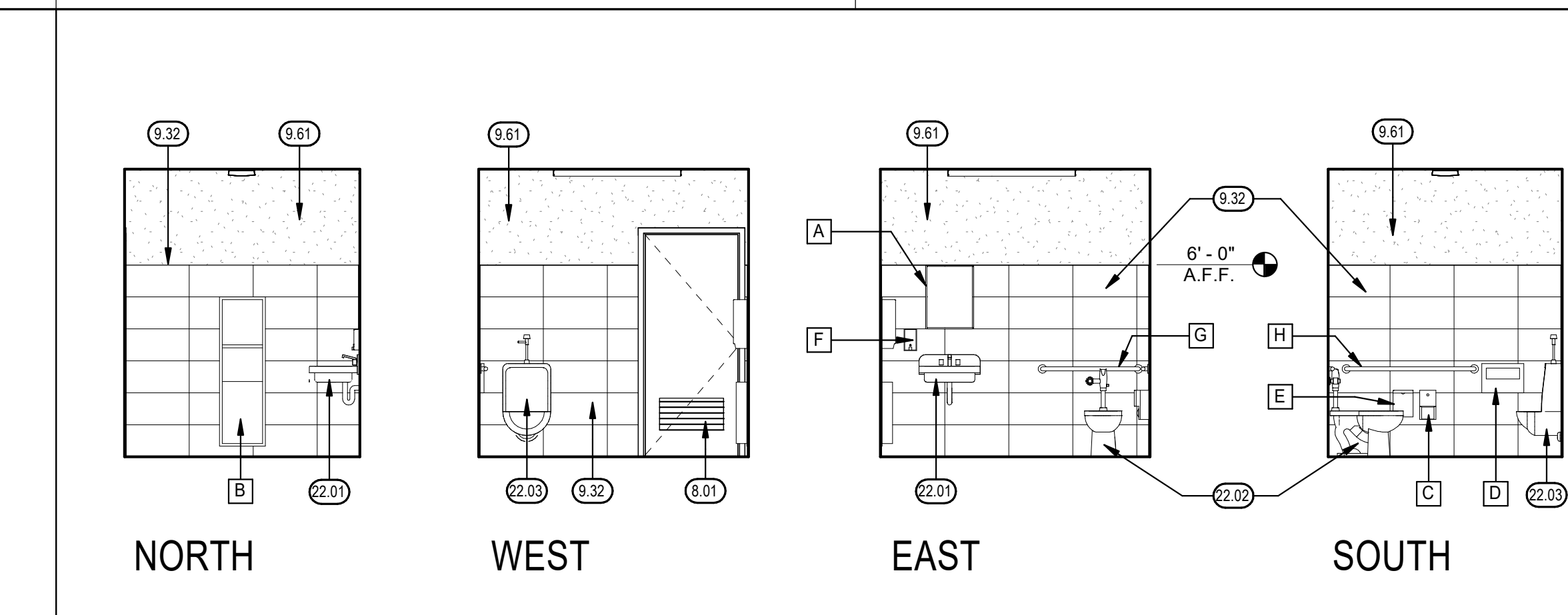
TOILET ROOM DOOR IDENTIFICATION SYMBOL (TRD)



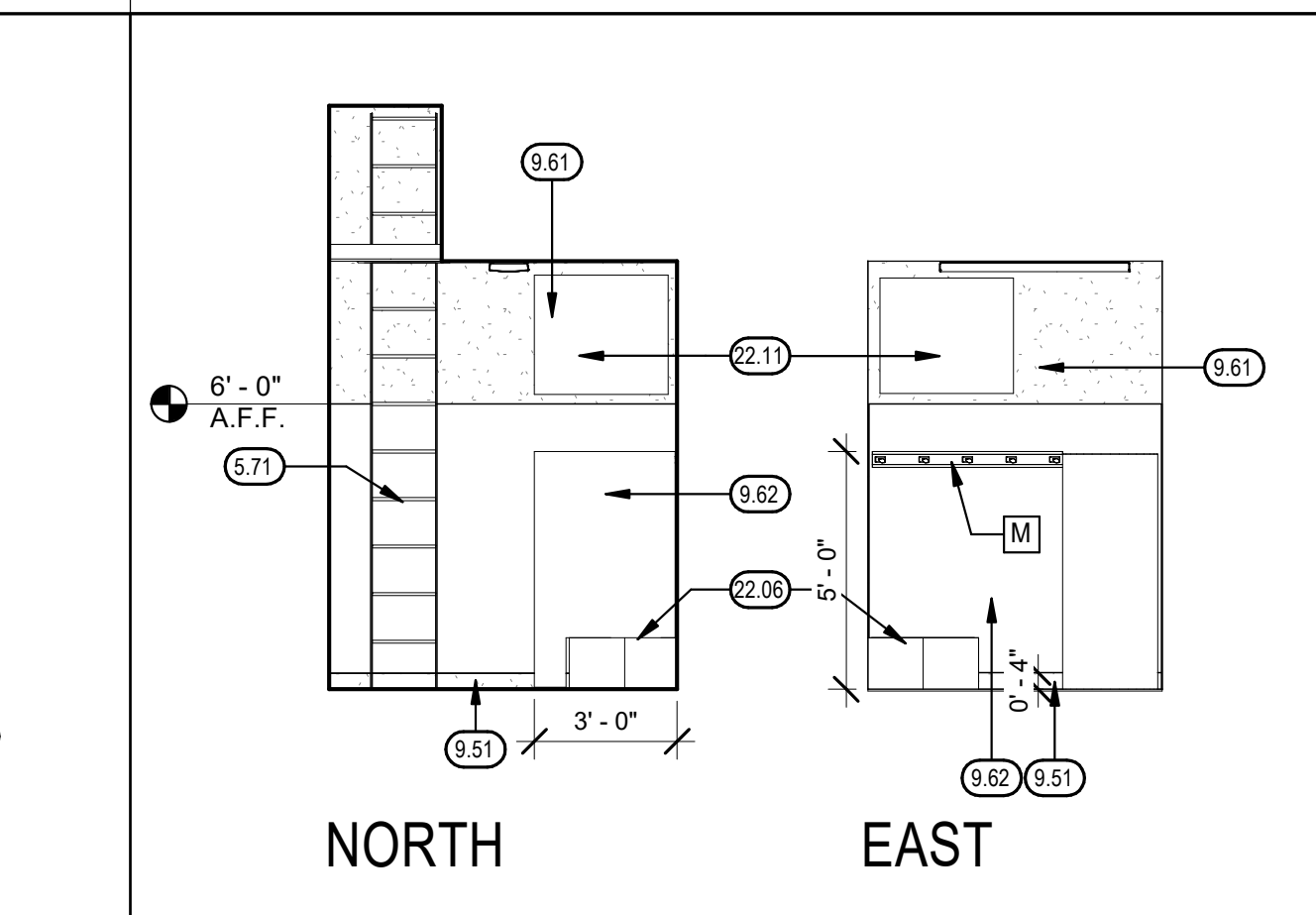
NOTES:

- SYMBOLS SHALL BE 1/4" THICK; UNISEX SYMBOLS SHALL CONSIST OF A 1/4 THICK TRIANGLE ON A 1/4" THICK CIRCLE.
- THE COLOR OF THE SYMBOL SHALL CONTRAST WITH THE COLOR OF THE DOOR; FOR UNISEX SIGNS, THE COLOR OF THE CIRCLE SHALL CONTRAST WITH THE DOOR AND THE COLOR OF THE TRIANGLE SHALL CONTRAST WITH THE CIRCLE; CONTRAST SHALL BE LIGHT ON DARK OR DARK ON LIGHT.
- SYMBOLS SHALL NOT CONTAIN BRAILLE, WRITTEN TEXT, OR PICTOGRAMS.
- PICTOGRAMS ARE NOT A REQUIRED FEATURE BUT MAY BE INCLUDED.
- EDGES OF SYMBOLS SHALL BE EASED OR ROUNDED AT 1/16" MINIMUM OR CHAMFERED AT 1/8" MAXIMUM. VERTICES OF TRIANGLES SHALL BE RADIUSSED BETWEEN 1/8" MIN / 1/4" MAX.
- SYMBOLS SHALL BE LOCATED ON DOORS TO TOILET ROOMS, WHERE NO DOORS ARE PROVIDED, SYMBOLS SHALL BE LOCATED ON THE WALL ADJACENT TO THE ENTRANCE OPENING.

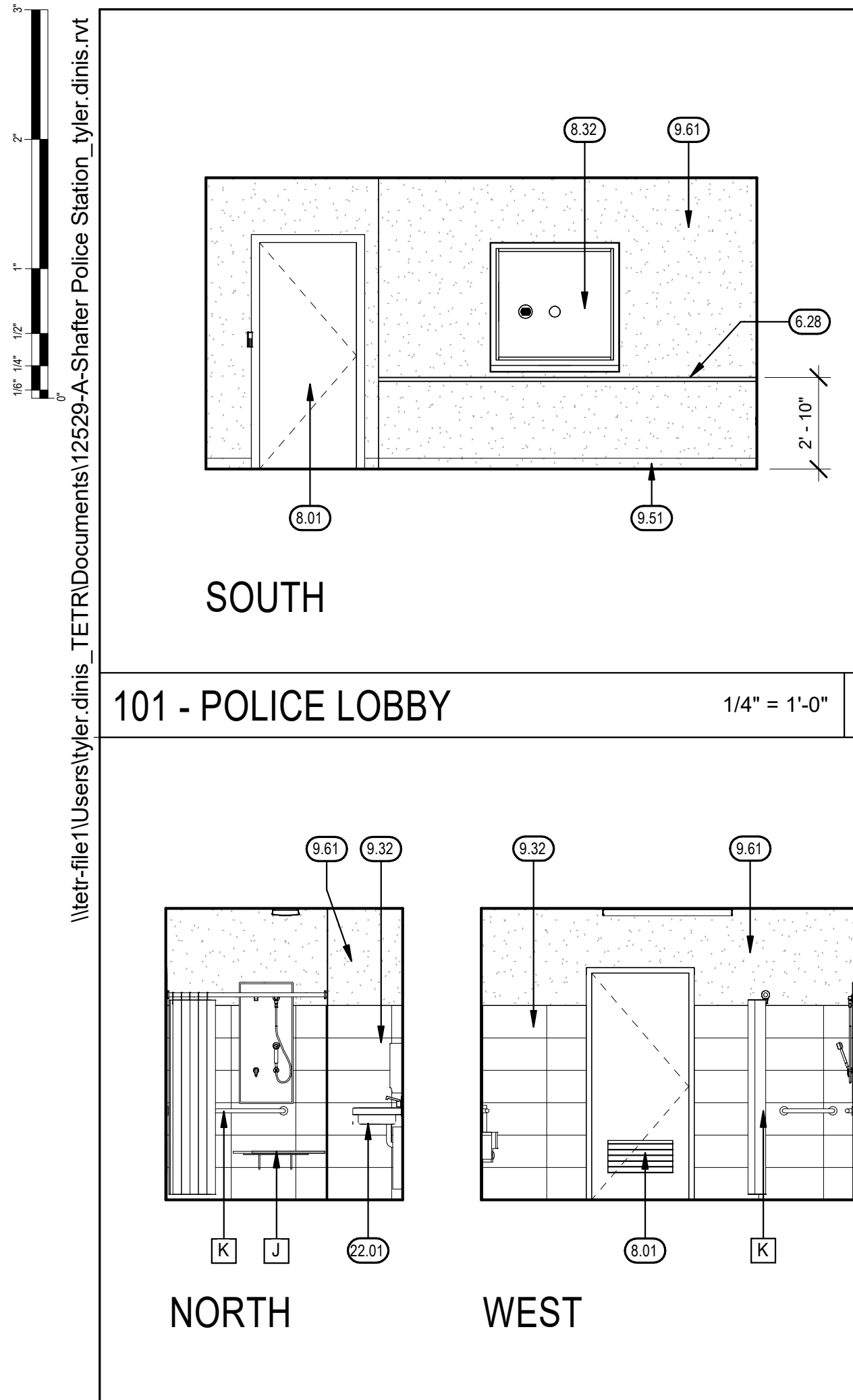
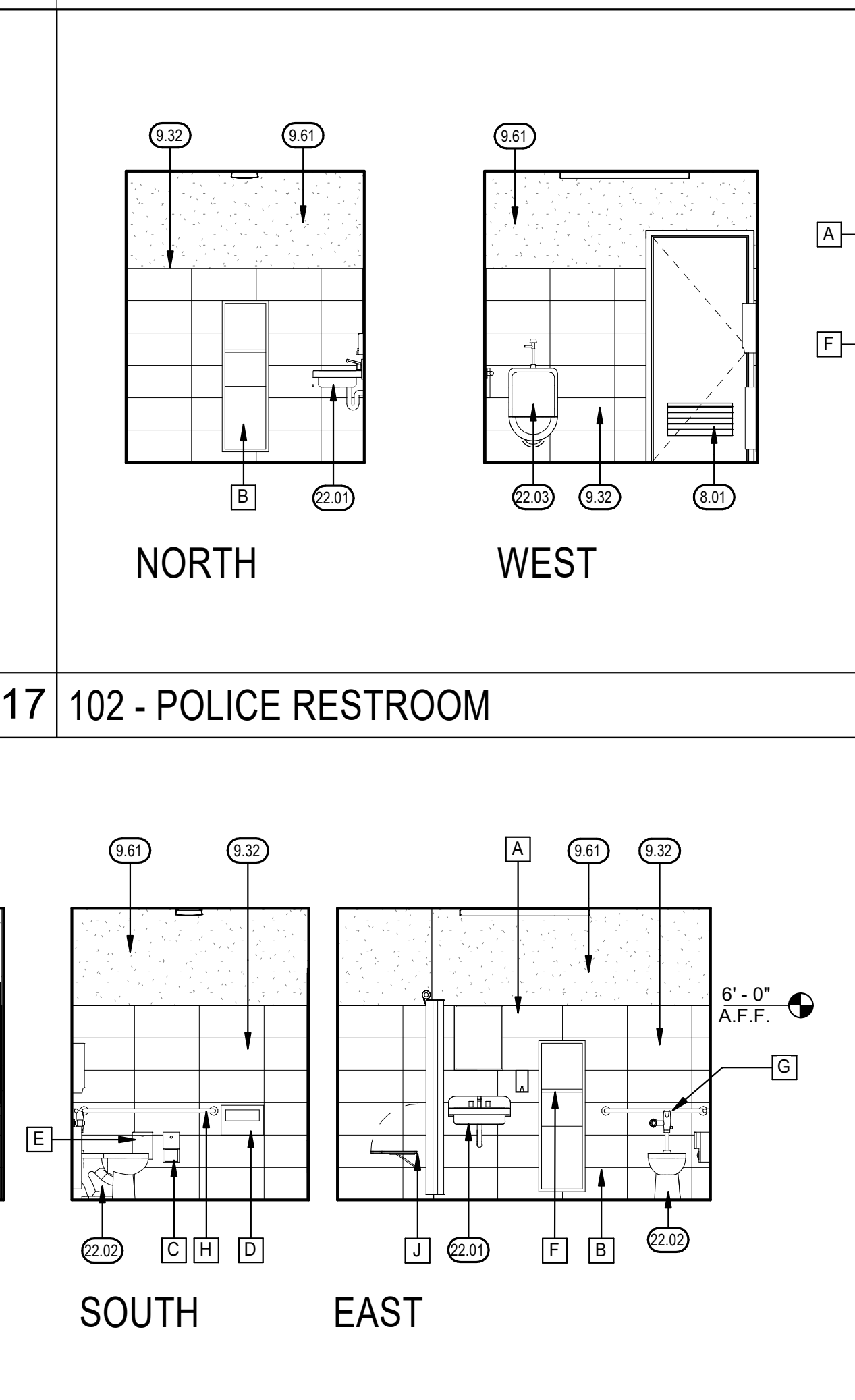
CITY OF SHAFTER		DRAWING TITLE
POLICE SUBSTATION AND		ARCHITECTURAL DETAILS
CITY SERVICES BUILDING		
SHAFTER, CA		
PROJECT NO.		
22-12529.01		
DRAWING		
A802		


$$1/4" = 1'-0"$$


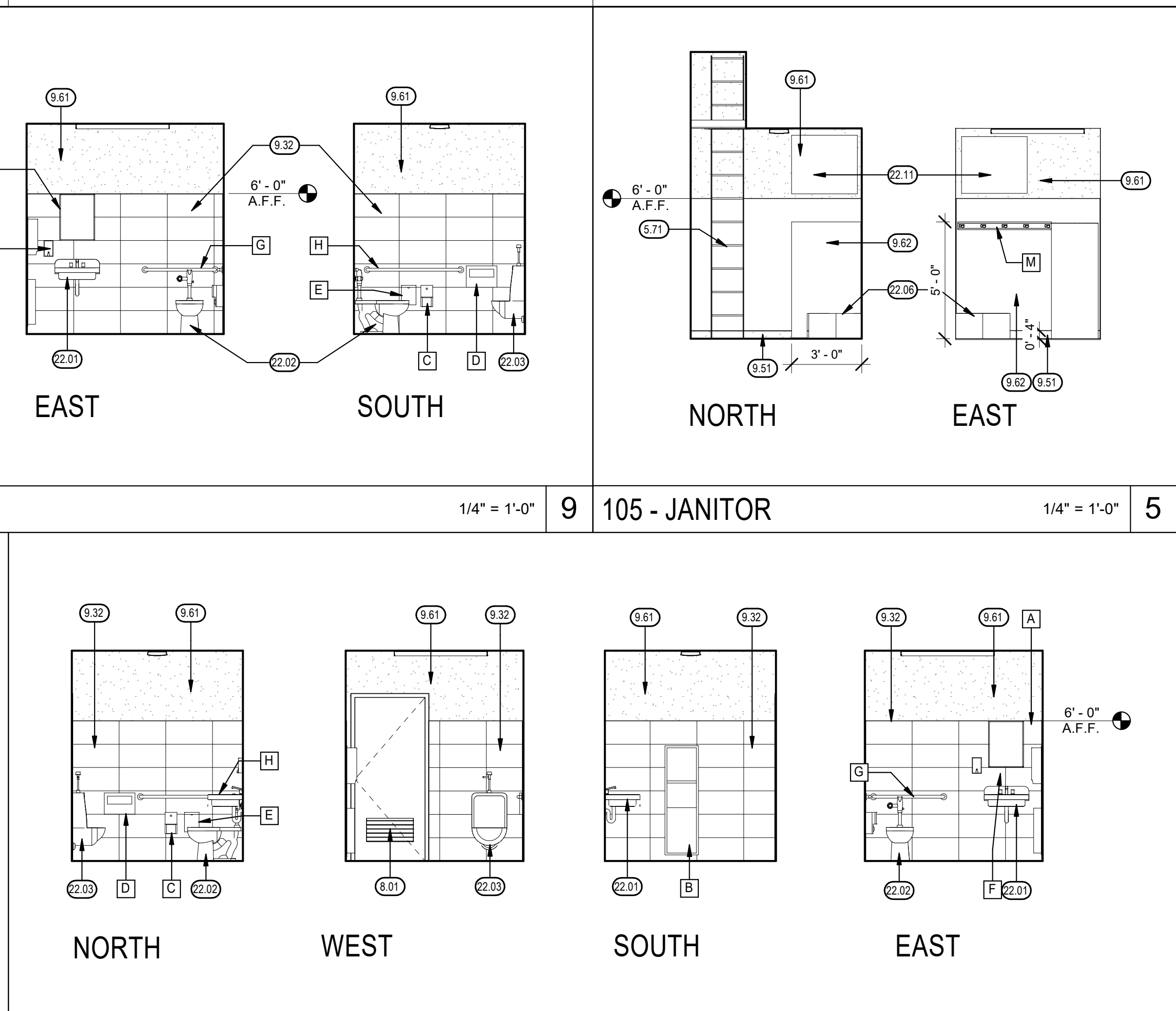
17


$$1/4'' = 1'-0''$$

- | | |
|-------|---|
| 5.71 | ROOF ACCESS LADDER |
| 6.21 | PLASTIC LAMINATE BASE CABINET W/ SOLID SURFACE COUNTERTOP |
| 6.22 | PLASTIC LAMINATE BASE CABINET W/ SOLID SURFACE COUNTERTOP
AND BACKSPLASH |
| 6.23 | PLASTIC LAMINATE UPPER CABINET |
| 6.28 | SOLID SURFACE COUNTER TOP |
| 6.29 | ACCESSIBLE SINK CABINET |
| 6.01 | DOOR AND FRAME PER SCHEDULE. SEE A700 |
| 6.32 | LEVEL, 8 BUTT-FRONT ANGLE TRANSACTION WINDOW |
| 9.32 | PORCELAIN TILE, THIN SET |
| 9.31 | TOPSET BASE AS SCHEDULED |
| 9.61 | WALL FINISH PER PLAN |
| 9.62 | FRP PER SCHEDULE |
| 11.11 | SPACE FOR COPIER (FOFO), PROVIDE POWER AND DATA PER
ELECTRICAL |
| 11.15 | REFRIGERATOR (FOFO) |
| 22.01 | ACCESSIBLE WALL MOUNTED LAV, SEE PLUMBING |
| 22.02 | ACCESSIBLE TOILET, SEE PLUMBING |
| 22.03 | ACCESSIBLE URINAL, SEE PLUMBING |
| 22.06 | MO SINK, SEE PLUMBING |
| 22.11 | WATER HEATER ABOVE ON PLATFORM, SEE PLUMBING |


$$1/4" = 1'-0"$$


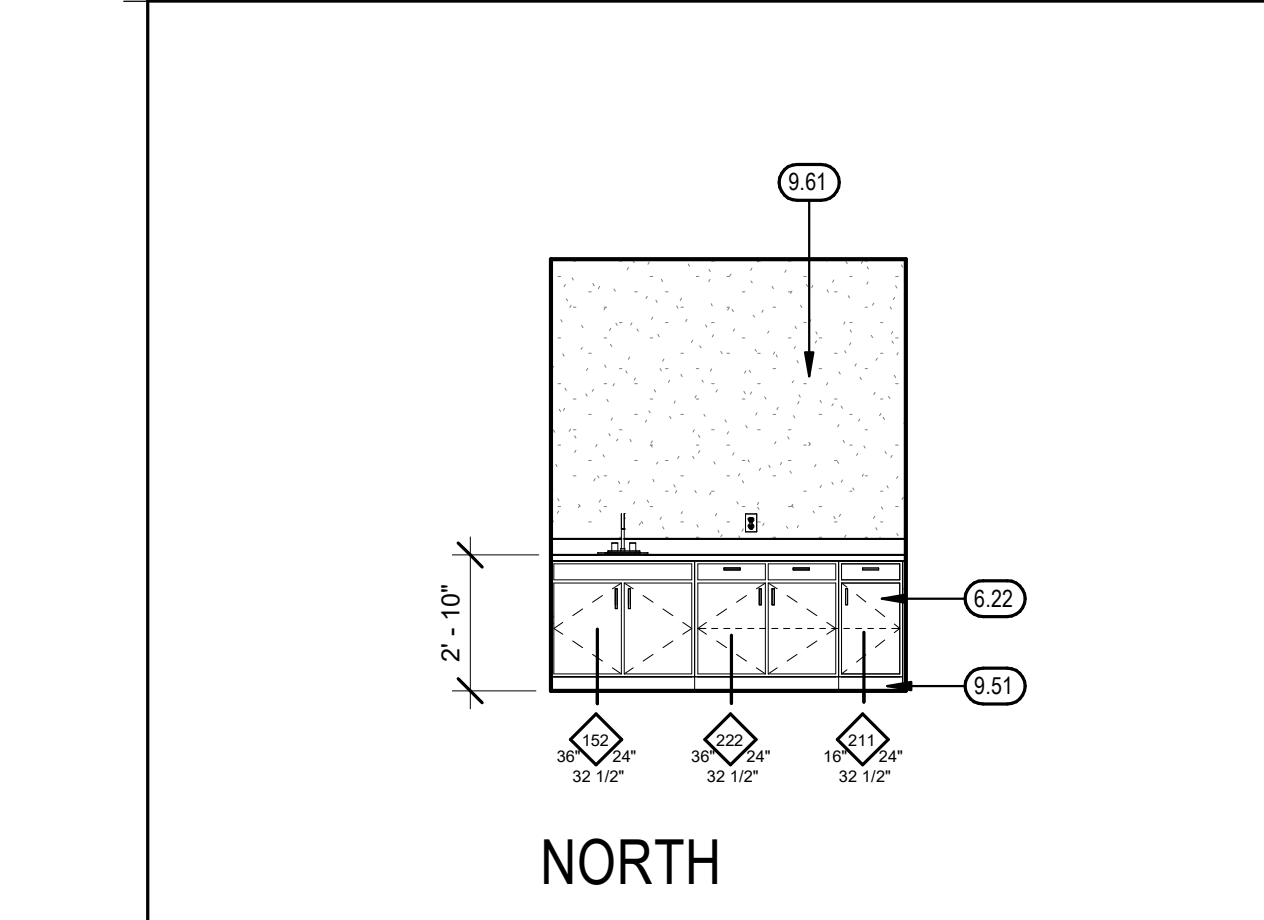
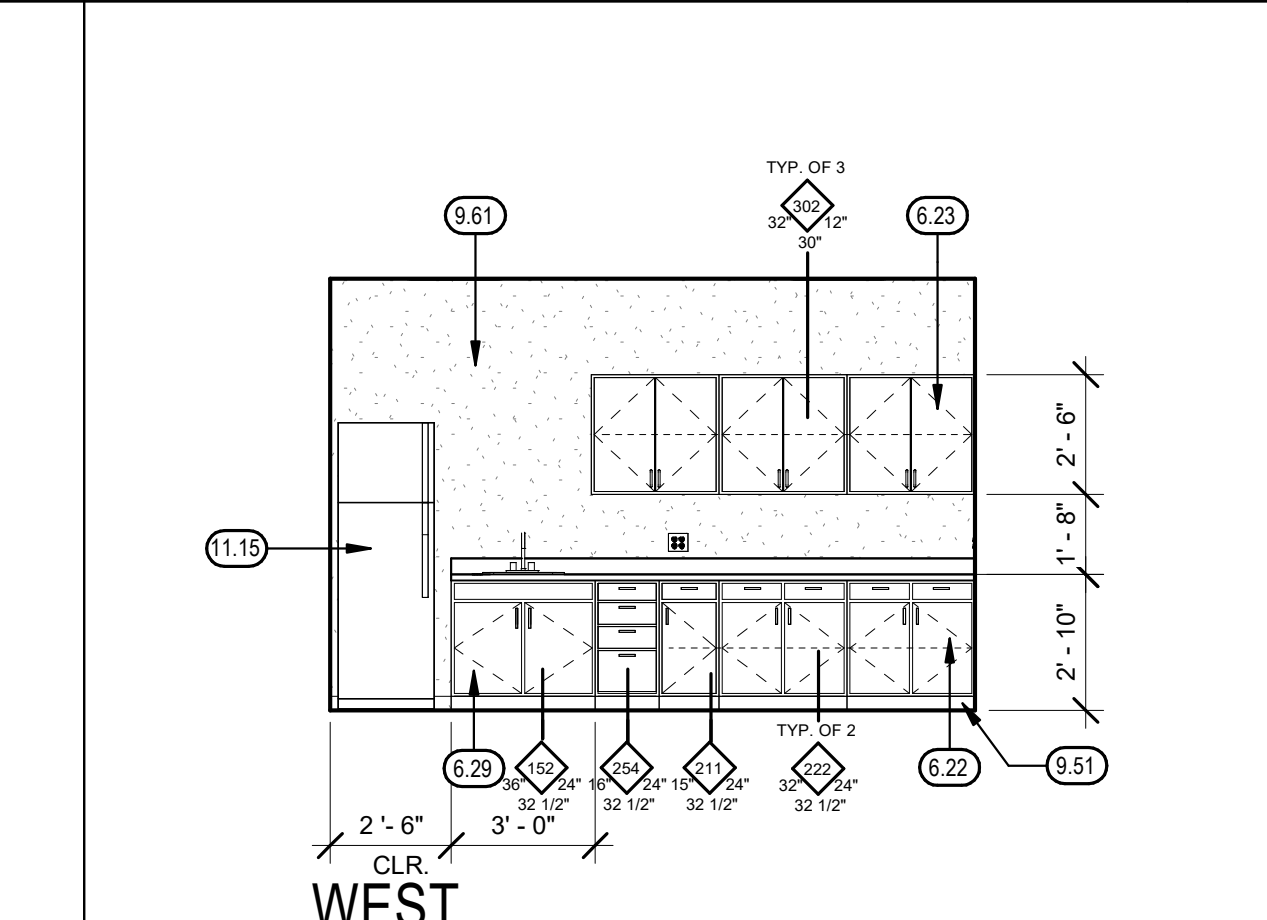
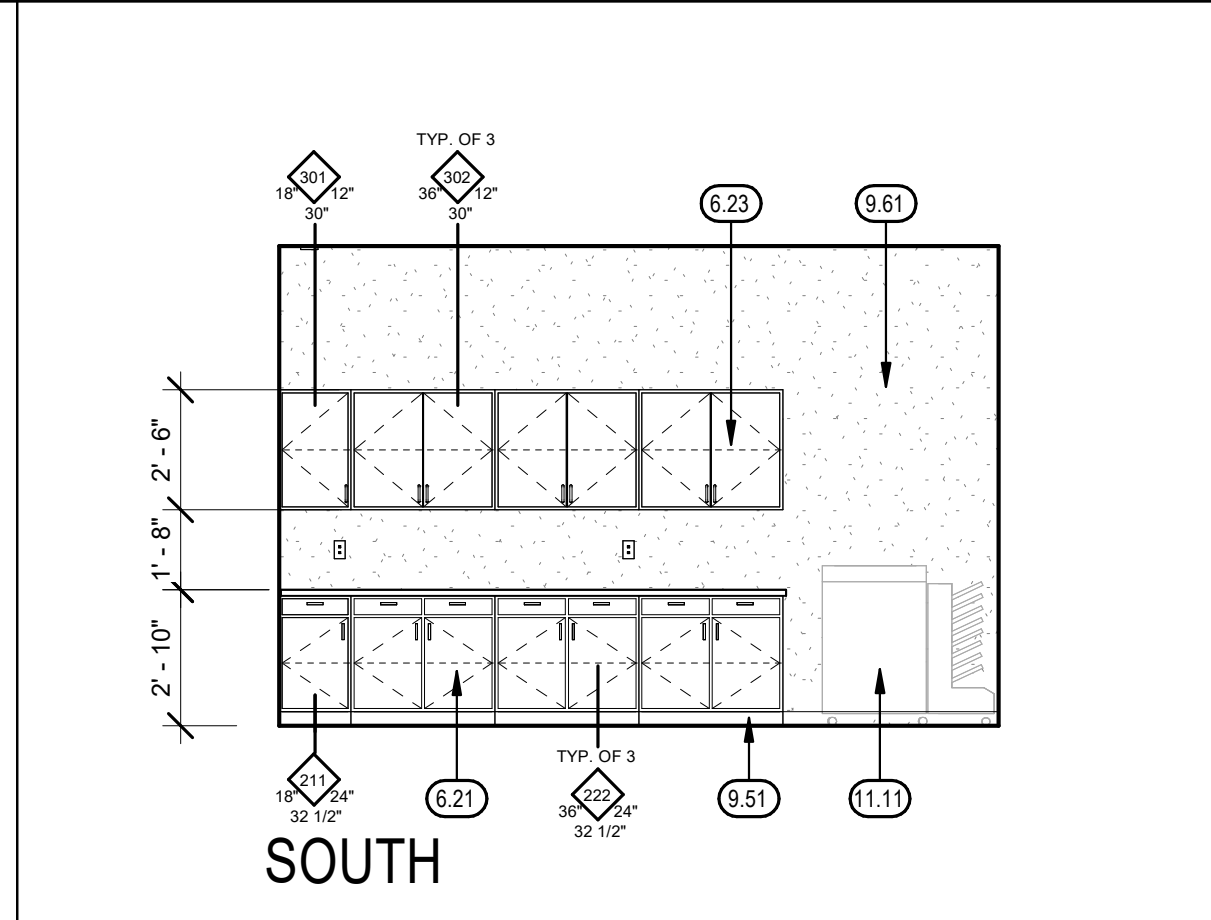
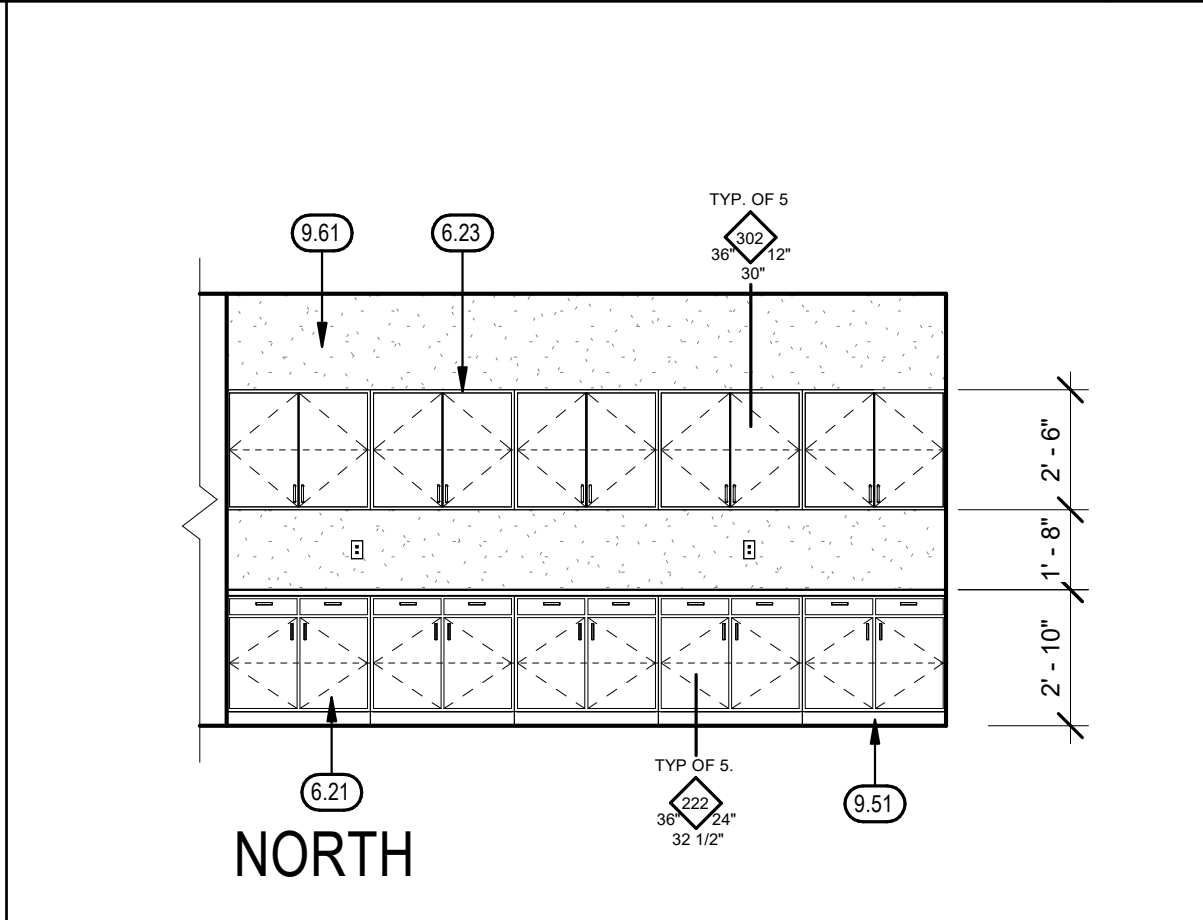
14


$$1/4'' = 1'-0''$$

A. FOR CLEARANCES AND MOUNTING HEIGHTS OF ACCESSIBLE FIXTURES AND TOILET ACCESSORIES, SEE 2 / A800

B. FOR TYPICAL GRAB BAR ANCHORAGE, SEE 3 / A800

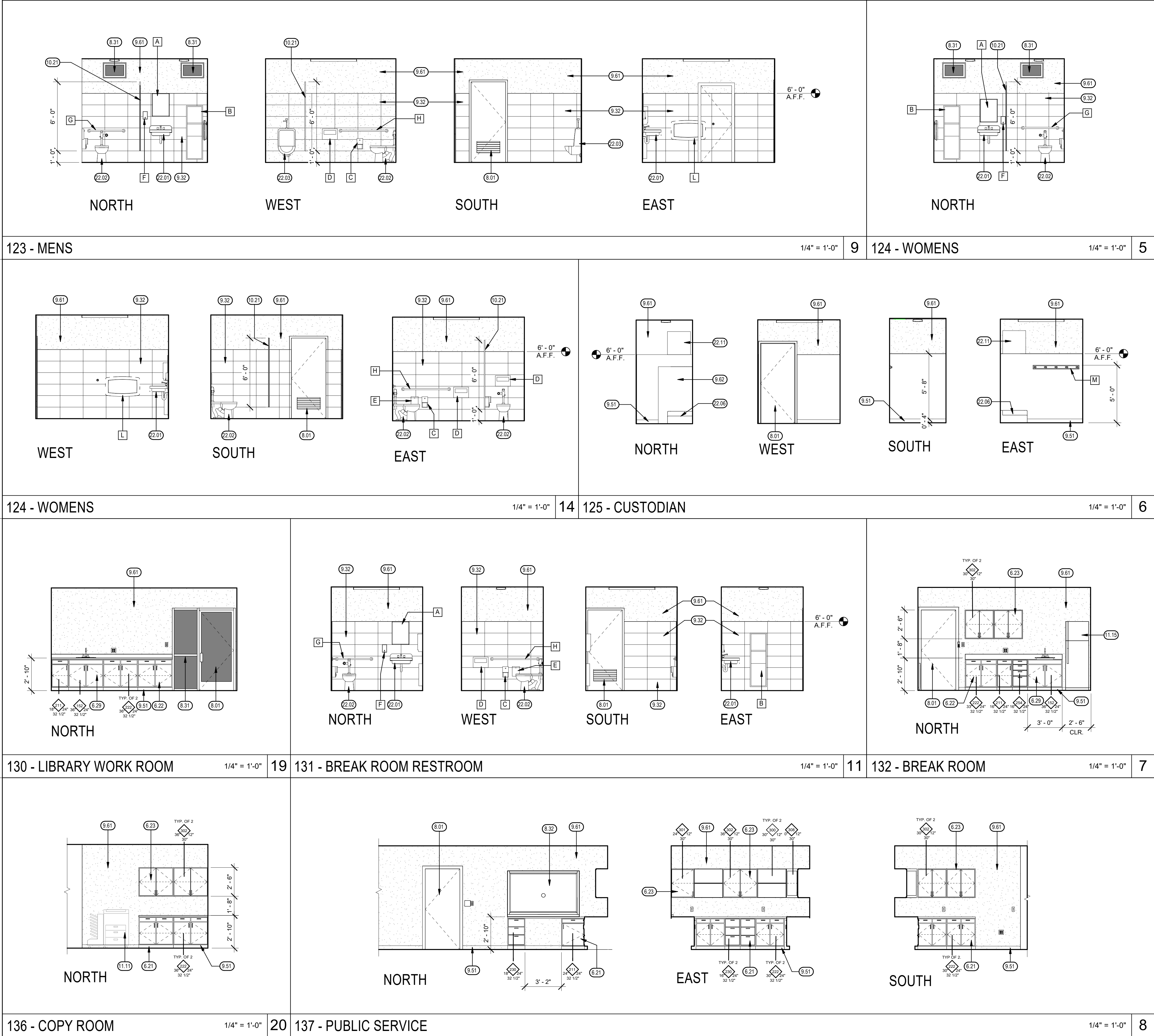
C. FOR TYPICAL DIAPER CHANGING STATION, SEE 18 / A800


$$1/4'' = 1'-0''$$

$$1/4" = 1'-0"$$

$$1/4" = 1'-0"$$

$$1/4" = 1'-0"$$

MARK	DESCRIPTION	MFR.	MODEL NO.	REMARKS
A	MIRROR (18" X 24")	BOBRICK	B-165	SURFACE MTD.
B	PAPER TOWEL DISPENSER / WASTE RECEPTACLE COMBO UNIT	BOBRICK	B-3944	RECESSED
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-4221	SURFACE MTD.
E	SANITARY NAPKIN DISPOSAL UNIT	BOBRICK	B-270	SURFACE MTD.
F	SOAP DISPENSER	BOBRICK	B-82216	SURFACE MTD.
G	GRAB BAR, REAR	BOBRICK	B-6806 SERIES	36" LONG
H	GRAB BAR, SIDE	BOBRICK	B-6806 SERIES	48" LONG
J	FOLDING SHOWER SEAT	BOBRICK	B-5191	SURFACE MTD.
K	SHOWER GRAB BAR	BOBRICK	B-6861	CONFIRM DIMENSIONS
L	BABY CHANGING STATION	BOBRICK	KB-300	SURFACE MTD.
M	MOP HOLDER	BRADLEY	9955	SURFACE MTD.

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PLOT DATE: 10/4/2024 4:23:36 PM



KEYNOTES 00.00

- 6.21 PLASTIC LAMINATE BASE CABINET W/ SOLID SURFACE COUNTERTOP AND BACKSPLASH
- 6.22 PLASTIC LAMINATE UPPER CABINET
- 6.29 ACCESSIBLE SINK CABINET
- 8.01 DOOR AND FRAME PER SCHEDULE, SEE A700
- 8.31 WINDOW PER SCHEDULE
- 8.32 LEVEL 8 BULLET-RESISTANT TRANSACTION WINDOW
- 9.32 PORCELAIN TILE, THIN SET
- 9.51 TOPSET BASE AS SCHEDULED
- 9.61 WALL FINISH PER PLAN
- 9.62 FRP PER SCHEDULE
- 10.21 TOILET PARTITION
- 11.11 SPACE FOR COPIER (OFOI), PROVIDE POWER AND DATA PER ELECTRICAL
- 11.15 REFRIGERATOR (OFOI)
- 22.01 ACCESSIBLE WALL MOUNTED LAV, SEE PLUMBING
- 22.02 ACCESSIBLE TOILET, SEE PLUMBING
- 22.03 ACCESSIBLE URINAL, SEE PLUMBING
- 22.06 MOP SINK, SEE PLUMBING
- 22.11 WATER HEATER ABOVE ON PLATFORM, SEE PLUMBING

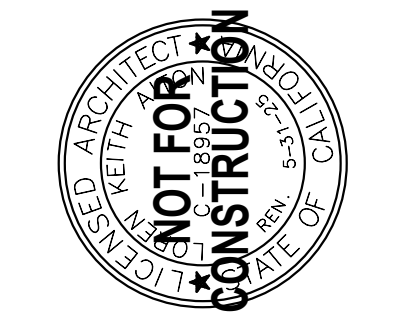
GENERAL NOTES

- A. FOR CLEARANCES AND MOUNTING HEIGHTS OF ACCESSIBLE FIXTURES AND TOILET ACCESSORIES, SEE 2 / A800
- B. FOR TYPICAL GRAB BAR ANCHORAGE, SEE 3 / A800
- C. FOR TYPICAL DIAPER CHANGING STATION, SEE 18 / A800

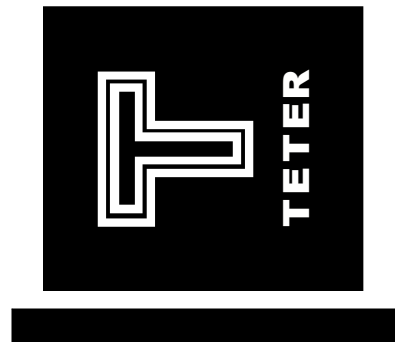
TOILET ACCESSORY SCHEDULE

MARK	DESCRIPTION	MFR.	MODEL NO.	REMARKS
A	MIRROR (18" X 24")	BOBRICK	B-165	SURFACE MTD.
B	PAPER TOWEL DISPENSER / WASTE RECEPTACLE COMBO UNIT	BOBRICK	B-3944	RECESSED
C	TOILET TISSUE DISPENSER	BOBRICK	B-2888	SURFACE / PARTITION MTD.
D	TOILET SEAT COVER DISPENSER	BOBRICK	B-4221	SURFACE MTD.
E	SANITARY NAPKIN DISPOSAL UNIT	BOBRICK	B-270	SURFACE MTD.
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G	GRAB BAR, REAR	BOBRICK	B-6806 SERIES	36" LONG
H	GRAB BAR, SIDE	BOBRICK	B-6806 SERIES	48" LONG
J	FOLDING SHOWER SEAT	BOBRICK	B-5191	SURFACE MTD.
K	SHOWER GRAB BAR	BOBRICK	B-6861	CONFIRM DIMENSIONS
L	BABY CHANGING STATION	BOBRICK	KB-300	SURFACE MTD.
M	MOP HOLDER	BRADLEY	9955	SURFACE MTD.

MARK	DATE	DESCRIPTION
	09/09/2024	95% DESIGN DEVELOPMENT



TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED



**CITY OF SHAFTER
POLICE SUBSTATION AND
CITY SERVICES BUILDING**
SHAFTER, CA
DRAWING TITLE
INTERIOR ELEVATIONS

PROJECT NO.
22-12529.01

DRAWING
A901

TITLE 24 ACCEPTANCE TESTING

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEMS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD, OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT:
<https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance>.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

ANCHORAGE & BRACING NOTES

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE AHJ APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.8 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY THE AHJ.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY THE AHJ. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHDP OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☒ E ☐ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: SHALL COMPLY WITH HCAi (OSHPD) PREAPPROVAL (OPM # _____), AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

GENERAL NOTES

1. COORDINATION OF WORK: LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY.
2. THE ACTUAL LOCATION OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK TO AVOID ALL INTERFERENCES WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL OR OTHER ELEMENTS.
3. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
4. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO ANY CONSTRUCTION, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENT SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR THE OWNER REPRESENTATIVE.
5. MINIMUM SLOPE FOR SEWER IS 1/4" PER FT, UNLESS OTHERWISE NOTED.
6. ALL ROOF PENETRATIONS SHALL BE COMPATIBLE WITH ROOF SYSTEM WITH AS FEW PENETRATIONS AS POSSIBLE.
7. MINIMUM DOMESTIC WATER PIPE SIZE TO BE 3/4" UNLESS OTHERWISE NOTED. USE A REDUCING ELL AT FIXTURE, IF NECESSARY.
8. ALL PLUMBING FIXTURES, VALVES, FAUCETS, FIXTURE STOPS, ETC. WHICH PROVIDE WATER FOR HUMAN CONSUMPTION MUST MEET THE "LEAD FREE" REQUIREMENT FOR THE STATE OF CALIFORNIA.
9. MAXIMUM ALLOWABLE DISTANCE FOR HOT WATER LATERALS TO FIXTURES OFF OF THE CIRCULATING MAIN SHALL BE 10'-0" FOR HAND WASH SINKS AND LAVS, AND 15'-0" FOR OTHER SINKS.

PLUMBING LEGEND

SYMBOL	ITEM	ABBR.
	ABOVE	ABV
	ABOVE CEILING	ABV CLG
	ABOVE FINISHED FLOOR	AFF
	ALTERNATE	ALT
&	AND	
	ARCHITECT / ARCHITECTURAL	ARCH
@	AT	
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	CALIFORNIA MECHANICAL CODE	CMC
	CALIFORNIA PLUMBING CODE	CPC
	CEILING	CLG
CL	CENTER LINE	
CONT	CONTINUATION	CONT
	CUBIC FEET PER HOUR	CFH
Ø	DIAMETER	DIA
	DOWN	DN
	DRAWING	DWG
	ELBOW	ELL
	ELECTRICAL	ELEC
	EXISTING	(E)
	FEET	FT
	FLOOR	FLR
	FLOW LINE	FL
	GALLON	GAL
	GALLONS PER HOUR	GPH
	GALLONS PER MINUTE	GPM
	GAUGE	GA
	INSIDE DIAMETER	ID
	INVERT ELEVATION	I.E.
	MAXIMUM	MAX
	MINIMUM	MIN
	NEW	(N)
	NOT IN CONTRACT	NIC
	NOT TO SCALE	NTS
#	NUMBER	NO.
	OUTSIDE DIAMETER	OD
	POUNDS	LBS
	POUNDS PER SQUARE INCH	PSI
	POUNDS PER SQUARE INCH ABSOLUTE	PSIA
	POUNDS PER SQUARE INCH GAUGE	PSIG
	POLYVINYL CHLORIDE	PVC
	ROOM	RM
	SPECIFICATION	SPEC
	SQUARE FEET	SQ FT
	STAINLESS STEEL	SS
	TEMPERATURE	TEMP
	THROUGH	THRU
	TYPICAL	(TYP)
	UNDER GROUND	U/G
	WATER COLUMN	WC
	WITH	W/
	WITHOUT	W/O
— A —	COMPRESSED AIR	A
— AV —	ACID VENT	AV
— AW —	ACID WASTE	AW
⬆	ACID VENT RISER	AVR
⬇	ACID VENT THRU ROOF	AVTR
— CD —	CONDENSATE DRAIN	CD
— C —	DOMESTIC COLD WATER	CW
— H —	DOMESTIC HOT WATER	HW
— R —	DOMESTIC HOT WATER RETURN	HWR
— G —	LOW PRESSURE NATURAL GAS	G
— HPG —	HIGH PRESSURE GAS	HPG
— ICW —	INDUSTRIAL COLD WATER	ICW
— LPG —	LIQUEFIED PETROLEUM GAS	LPG
— F —	FIRE PROTECTION LINE	

SYMBOL	ITEM	ABBR.
	RAIN WATER LEADER	RWL
	OVERFLOW DRAIN	OD
	STORM DRAIN	SD
	SOIL or WASTE	S or W
	MEDICAL AIR	MA
	OXYGEN	O ₂
	VACUUM	VAC
	VENT	V
	VENT RISER	VR
	VENT THRU ROOF	VTR
	CLEANOUT TO GRADE	COTG
	DEMOLITION	DEMO
	EXISTING PIPING	
	FLOOR CLEANOUT	FCO
	HOSE BIBB	
	PIPING TURN UP	
	PIPING TURN DOWN	
	PIPING CAP	
	POINT OF CONNECTION TO EXISTING	POC
	ANGLE VALVE	
	BALANCE VALVE	
	BALL VALVE	
	CHECK VALVE	
	CONCENTRIC REDUCER	
	TWO-WAY CONTROL VALVE	
	PLUG VALVE	
	PRESSURE REDUCING VALVE	
	SHUT-OFF VALVE IN BOX	SOV
	SHUT-OFF VALVE	SOV
	THERMOSTATIC MIXING VALVE	
	TEMPERATURE / PRESSURE RELIEF VALVE	PRV
	UNION	
	WALL CLEANOUT	WCO
	"Y" TYPE STRAINER	
	PRESSURE GAUGE	
	TEMPERATURE GAUGE	
	KEYNOTE	
	DETAIL REFERENCE EXAMPLE: DETAIL 2, SHEET P202	
	SECTION REFERENCE EXAMPLE: SECTION 3, SHEET P400	

PLUMBING SHEET INDEX

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P800	PLUMBING DETAILS

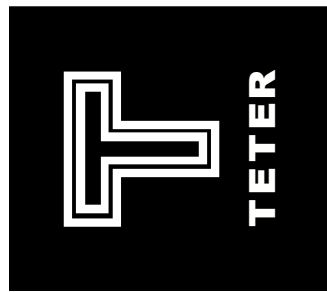
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CITY OF SHAFTER
POLICE SUBSTATION AND
CITY SERVICES BUILDING

DRAWING TITLE

PLUMBING LEGENDS AND NOTES

PROJECT NO

22-12529.01

DRAWING

P001

PLUMBING SCHEDULE

PLUMBING FIXTURE SCHEDULE						
MARK	FIXTURE	CONNECTION SIZES				DESCRIPTION
		S or W	V	CW	HW	
WC-1	WATER CLOSET ADA	4"	2"	1"	----	KOHLER K-96057, HIGHCLIFF ULTRA 1.28 GPF, FLOOR MOUNTED, 18" TOP OF SEAT HEIGHT, ELONGATED BOWL, ZURN ZEMS6000AV-HET-IS ELECTRIC HARD-WIRED (115V ELECTRIC POWER REQUIRED) SENSOR FLUSH VALVE WITH P6000-HW6 HARDWIRE POWER CONVERTER AND P6000-MJ MINI JUNCTION BOX, CHURCH 9500SSCT SOLID PLASTIC OPEN FRONT SEAT WITH CHECK STAINLESS STEEL HINGE POSTS, SELF-SUSTAINING HINGES, AND STA-TITE FASTENING SYSTEM. FLUSH VALVE HANDLE SHALL POINT TOWARDS WIDE SIDE OF STALL OR ROOM FOR ACCESS COMPLIANCE.
WC-2	WATER CLOSET	4"	2"	1"	----	KOHLER K-96053-SS, WELLCOMME ULTRA 1.28 GPF, FLOOR MOUNTED 16" TOP OF SEAT HEIGHT, ELONGATED BOWL, ZURN ZEMS6000AV-HET-IS ELECTRIC HARD-WIRED (115V ELECTRIC POWER REQUIRED) SENSOR FLUSH VALVE WITH P6000-HW6 HARDWIRE POWER CONVERTER AND P6000-MJ MINI JUNCTION BOX, CHURCH 9500SSCT SOLID PLASTIC OPEN FRONT SEAT WITH CHECK STAINLESS STEEL HINGE POSTS, SELF-SUSTAINING HINGES, AND STA-TITE FASTENING SYSTEM.
U-1	URINAL	2"	1-1/2"	----	----	SLOAN WYES-1000, WALL-HUNG, WATERFREE URINAL, BIODEGRADABLE SEALANT CARTRIDGE, WITH JAY R. SMITH 636 FLOOR MOUNTED SUPPORT CARRIER WITH BOTTOM BEARING PLATE. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE MOUNTING HEIGHTS.
L-1	LAVATORY ADA	2"	1-1/2"	1/2"	1/2"	KOHLER K-2005, KINGSTON WALL-HUNG LAVATORY, 20"x18" VITREOUS CHINA WITH BACKSPLASH AND WALL BRACKET, 4" CENTERS FAUCET HOLES, ZURN Z6915-XL-F AQUA SENSE HARDWIRED SENSOR FAUCET WITH 0.5 GPM AERATOR, AND MCGUIRE 155WC OFFSET GRID DRAIN, PROVIDE WILKINS ZW3870XLT-4P POINT OF USE THERMOSTATIC MIXING VALVE BELOW LAV. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE MOUNTING HEIGHTS. PROVIDE P6000-HW6 HARDWIRE POWER CONVERTER AND P6000-MJ MINI JUNCTION BOX WHERE SHOWN ON PLANS.
S-1	BREAKROOM SINK ADA	2"	1-1/2"	1/2"	1/2"	JUST SL-ADA-2019-A60-J, 16"x13-1/2"x6" DEEP BOWL SIZE, SINGLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL WITH CENTER REAR DRAIN LOCATION, SELF RIMMING LEDGE, 8" CENTERS FAUCET HOLES, J-35GS STAINLESS STEEL BASKET STRAINER, ZURN Z812B4-XL-17F MANUAL FAUCET WITH 8" GOOSENECK SWING SPOUT, 1.5 GPM VANDAL PROOF AERATOR, AND 4" WRISTBLADE HANDLES, PROVIDE WILKINS ZW3870XLT-4P POINT OF USE THERMOSTATIC MIXING VALVE BELOW SINK.
S-2	HEALTH SINK ADA	2"	1-1/2"	1/2"	1/2"	JUST SL-ADA-1613-A60-J, 10"x10"x6" DEEP BOWL SIZE, SINGLE COMPARTMENT, 18 GAUGE TYPE 304 STAINLESS STEEL WITH CENTER REAR DRAIN LOCATION, SELF RIMMING LEDGE, 4" CENTERS FAUCET HOLES, J-35GS STAINLESS STEEL BASKET STRAINER, ZURN Z812B4-XL-17F MANUAL FAUCET WITH 5-3/8" RIGID GOOSENECK SPOUT, 1.5 GPM VANDAL PROOF AERATOR, AND 4" WRISTBLADE HANDLES, PROVIDE WILKINS ZW3870XLT-4P POINT OF USE THERMOSTATIC MIXING VALVE BELOW SINK.
MS-1	MOP SINK	3"	2"	1/2"	1/2"	KOHLER WHITBY K-6710 CORNER STYLE FLOOR MOUNTED, 28"x 28"x12" DEEP ENAMELED CAST IRON WITH #K-8940 RIM GUARD, #K-9146 DRAIN STRAINER, CHICAGO MODEL 897-CCP WALL MOUNT POLISHED CHROME FAUCET WITH HOSE THREAD OUTLET, VACUUM BREAKER, INTEGRAL STOPS, INTEGRAL CHECK VALVES, AND WALL BRACE. FLORESTONE #MR-370 HOSE WITH HOOK, AND FLORSTONE MR-372 MOP HANGER.
DF-1	DRINKING FOUNTAIN W/ BOTTLE FILLER ADA	2"	1-1/2"	1/2"	----	HAWS HI-LO MODEL 1119.8 BARRIER FREE REFRIGERATED WALL MOUNTED 14 GAUGE STAINLESS STEEL DUAL FOUNTAINS, BACK PANEL, MTGFR LG MOUNTING FRAME, HCR8 WATER CHILLER, POLISHED CHROME BUBBLER HEADS, PUSH BUTTON VALVES, VANDAL RESISTANT BOTTOM PLATES, AND PROVIDED WITH HAWS 1920HO SENSORED BOTTLE FILLER, MODEL 6469 DRIP TRAY, AND MODELBR32 32" STAINLESS STEEL BACK PANEL, HAWS 6700 MOUNTING PLATE. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE MOUNTING HEIGHT ELECTRICAL REQUIREMENTS: 115V / 1PH, 5 AMPS.
HB-1	HOSE BIBB	----	----	3/4"	----	WOODFORD B74 RECESSED WALL HOSE BOX WITH LOCKING DOOR AND DRAIN PORT, 3/4" INLET BRASS HOSE CONNECTION WITH LOCKSHIELD, NON-REMOVABLE VACUUM BREAKER, AND OPTIONAL LOOSE TEE KEY HANDLE.
HB-2	HOSE BIBB	----	----	3/4"	----	WOODFORD #Y24 STANDPIPE STYLE 3/4" INLET BRASS HOSE FAUCET WITH LOCKSHIELD, AND NON-REMOVABLE VACUUM BREAKER.
FD-1	FLOOR DRAIN	2"	1-1/2"	TP	----	SMITH 2005Y-A05-HP-P050 COATED CAST IRON WITH 5" DIAMETER ROUND NICKEL BRONZE HEEL PROOF GRATE, DOUBLE DRAINAGE FLANGE, NO HUB OUTLET AND TRAP PRIMER CONNECTION.
SB-1	SUPPLY BOX	----	----	1/2"	----	SPECIALITY PRODUCTS OB-509-L, LEAD FREE RECESSED METAL ICE MAKER WATER SUPPLY BOX WITH WHITE FINISH, INTEGRAL SHUT-OFF-VALVE AND MINI WATER HAMMER ARRESTER.
TP-1	TRAP PRIMER	----	----	1/2"	----	PRECISION PLUMBING PRODUCTS PR-500 "PRIME-RITE" PRESSURE DROP ACTIVATED WITH #DU-U DISTRIBUTION UNIT FOR UP TO (2) FLOOR DRAINS. PROVIDE 14"x16" STAINLESS STEEL ACCESS DOOR WITH CYLINDER LOCK, PROVIDE SOV UPSTREAM OF TRAP PRIMER.
SH-1	SHOWER SET ADA	----	----	3/4"	3/4"	ACORN "SHOWER-WARE" 418CBWCW-H-MSH-D, FLUSH MOUNT SHOWER SET, 18 GA. TYPE 304 STAINLESS STEEL, TRI-LEVER HANDLE WITH T/P BALANCING MIXING VALVE, TRI-LEVER DIVERTER VALVE, MULTI-STREAM FIXED SHOWERHEAD AND QUICK-DISCONNECTAND SHOWER WITH FIVE FOOT STAINLESS STEEL HOSE AND NON-POSITIVE SHUTOFF, AND SURFACE MOUNTED SOAP DISH. SEE ARCHITECTURAL FOR SHOWER SEAT, GRAB BARS, AND ACCESSIBLE MOUNTING HEIGHT.
WH-1	WATER HEATER	----	----	3/4"	3/4"	A.O. SMITH DEN-80 DURAPOWPER COMMERCIAL ELECTRIC, 80 GALLON STORAGE CAPACITY, GLASS LINED TANK, (2) 5,000 WATT ELEMENTS, SIMULTANEOUS OPERATION, 240V/3PH, 51 GPH RECOVERY RATE AT 80°F TEMPERATURE RISE, AND 3/4" P&T RELIEF VALVE. DIMENSIONS: 24" DIAMETER x 59-3/8" HEIGHT. OPERATING WEIGHT: 850 LBS.
WH-2	WATER HEATER	----	----	3/4"	3/4"	A.O. SMITH DEL-20 DURAPOWPER COMMERCIAL ELECTRIC, 20 GALLON STORAGE CAPACITY, GLASS LINED TANK, SINGLE 2,000 WATT ELEMENT, 120V / 1PH, 10 GPH RECOVERY RATE AT 80°F TEMPERATURE RISE, AND 3/4" P&T RELIEF VALVE. DIMENSIONS: 21-3/4" DIAMETER x 22-1/4" HEIGHT. OPERATING WEIGHT: 245 LBS.
ET-1	EXPANSION TANK	----	----	3/4"	----	WILKINS XT-18, 4.8 GALLON CAPACITY ASME RATED EXPANSION TANK WITH IN-LINE CONNECTIONS, LEAD FREE, AND FDA APPROVED BLADDER FOR POTABLE WATER USE. OPERATING WEIGHT: 31 LBS.
ET-2	EXPANSION TANK	----	----	3/4"	----	WILKINS XT-8, 2.1 GALLON CAPACITY ASME RATED EXPANSION TANK WITH IN-LINE CONNECTIONS, LEAD FREE, AND FDA APPROVED BLADDER FOR POTABLE WATER USE. OPERATING WEIGHT: 14 LBS.
CP-1	CIRCULATING PUMP	----	----	----	3/4"	GRUNDFOS MODEL UPS15-55SFC STAINLESS STEEL DOMESTIC HOT WATER IN-LINE CIRCULATING PUMP, WITH FLANGED CONNECTIONS, 3-SPEED MOTOR, INTEGRAL CHECK VALVE, 5 GPM AT 13 FT. TDH., 1/12 HP, 120V/1PH, (CONTROL THRU "HONEYWELL"AQUASTAT AND DIGITAL 365 DAY TIME CLOCK OR EMS CONTACTS.
SA-1	SHOCK ABSORBER	----	----	1"	----	SIOUX CHIEF HYDRA-RESTER MODEL 653-BS SEAMLESS COPPER CHAMBER APPROVED FOR CONCEALED INSTALLATION. PDI SYMBOL "B". INSTALL IN UPWARD POSITION.
RD-1	ROOF DRAIN	----	----	----	----	JAY R. SMITH 1830Y-CIDG-WD04, 8-1/2" DIAMETER ROOF DRAIN AND OVERFLOW DRAIN W/ 4" HIGH WATER DAM, DURA-COATED CAST IRON BODY WITH GALVANIZED CAST IRON DOMES, DECK PLATE, FLASHING CLAMP, GRAVEL GUARD, AND EXTENSIONS AS REQUIRED. SEE PLANS FOR OUTLET PIPE SIZES.
DC-1	DOWNSPOUT COVER	----	----	----	----	JAY R. SMITH 1775-U DOWNSPOUT COVER FOR OVERFLOW DRAIN PIPE. PROVIDE OPTIONAL VANDAL PROOF SCREWS. SEE PLANS FOR PIPE SIZES.
G-1	GARBAGE DISPOSAL	----	----	----	----	IN-SINK-ERATOR ADVANCED SERIES EVOLUTION .75 HP WITH SOUND SEAL TECHNOLOGY, MULTI-GRIND STAINLESS STEEL CHAMBER, CONTINUOUS FEED, ON-OFF WALL SWITCH, 3-PRONG PLUG, 4 YEAR WARRANTY, 3/4 HP, 120V/1PH.

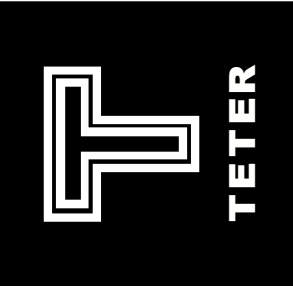
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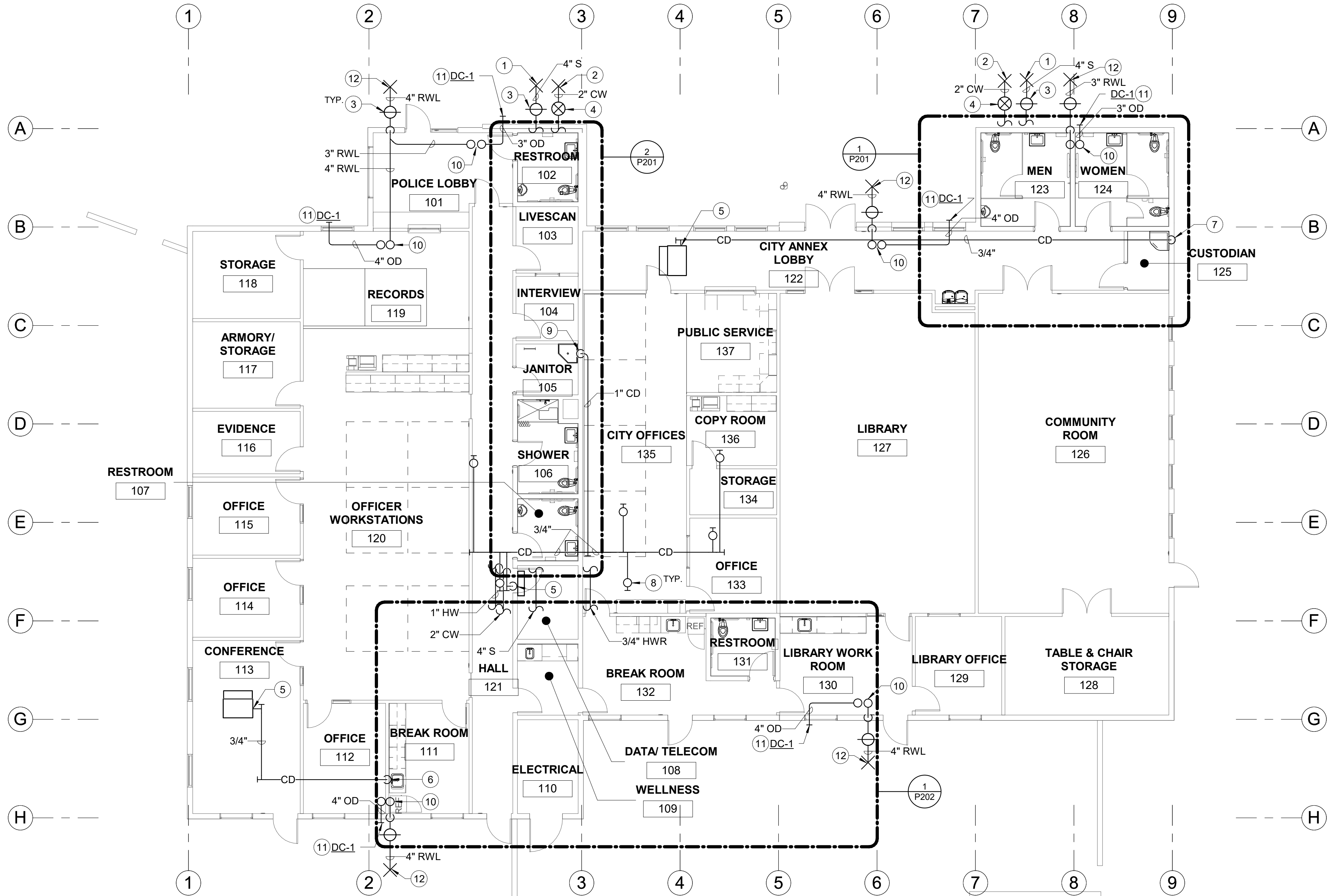
PLUMBING SCHEDULES

PROJECT NO

22-12529.01

DRAWING

P002



PLUMBING FLOOR PLAN



NORTH

1/8" = 1'-0"

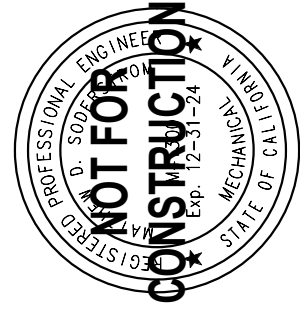
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KEYNOTES

- 4" SEWER BELOW GRADE FROM BUILDING. MODULAR CONTRACTOR SHALL EXTEND PIPING TO 5'-0" OUTSIDE BUILDING FOR POC TO SITE SEWER. SITE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRANSITION FITTINGS AND MAKE FINAL CONNECTIONS TO MODULAR BUILDING CONTRACTOR'S PIPING BELOW GRADE. SITE CONTRACTOR SHALL VERIFY AND COORDINATE EXACT LOCATIONS WITH MODULAR CONTRACTOR.
- 2" DOMESTIC WATER BELOW GRADE FROM BUILDING. MODULAR CONTRACTOR SHALL EXTEND PIPING TO 5'-0" OUTSIDE BUILDING FOR POC TO SITE WATER. SITE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRANSITION FITTINGS AND MAKE FINAL CONNECTIONS TO MODULAR BUILDING CONTRACTOR'S PIPING BELOW GRADE. SITE CONTRACTOR SHALL VERIFY AND COORDINATE EXACT LOCATIONS WITH MODULAR CONTRACTOR.
- TWO-WAY CLEANOUT IN BOX BY MODULAR CONTRACTOR. (TYP.) SEE DETAIL 5/P800.
- CW SOV IN BOX BY MODULAR CONTRACTOR. SEE DETAIL 8/P800.
- CONNECT 3/4" CD TO FAN COIL CONDENSATE PUMP OUTLET AND ROUTE ABV. CLG.
- 3/4" CD DN. IN WALL AND CONNECT TO SINK TAILPIECE. SEE 6/P800.
- 3/4" CD DN. IN WALL AND TERMINATE DN. INTO MOP SINK WITH 90° ELL.
- 3/4" CD DN. FROM PACKAGE UNIT ON ROOF. (TYP.)
- 1" CD DN. IN WALL AND TERMINATE DN. INTO MOP SINK WITH 90° ELL.
- RWL & OD DN. FROM ROOF DRAIN AND OFFSET ABV. CLG.
- DAYLIGHT OD THRU EXTERIOR WALL AT +12'-0" AFF WITH DOWNSPOUT COVER.
- RAIN WATER LEADER BELOW GRADE FROM BUILDING. MODULAR CONTRACTOR SHALL EXTEND PIPING TO 5'-0" OUTSIDE BUILDING FOR POC TO SITE STORM DRAIN. SITE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRANSITION FITTINGS AND MAKE FINAL CONNECTIONS TO MODULAR BUILDING CONTRACTOR'S PIPING BELOW GRADE. SITE CONTRACTOR SHALL VERIFY AND COORDINATE EXACT LOCATIONS WITH MODULAR CONTRACTOR.

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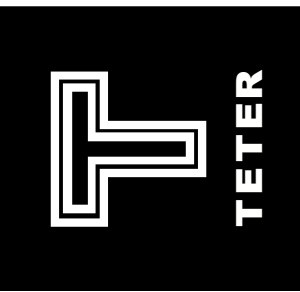
MARK	DATE	DESCRIPTION
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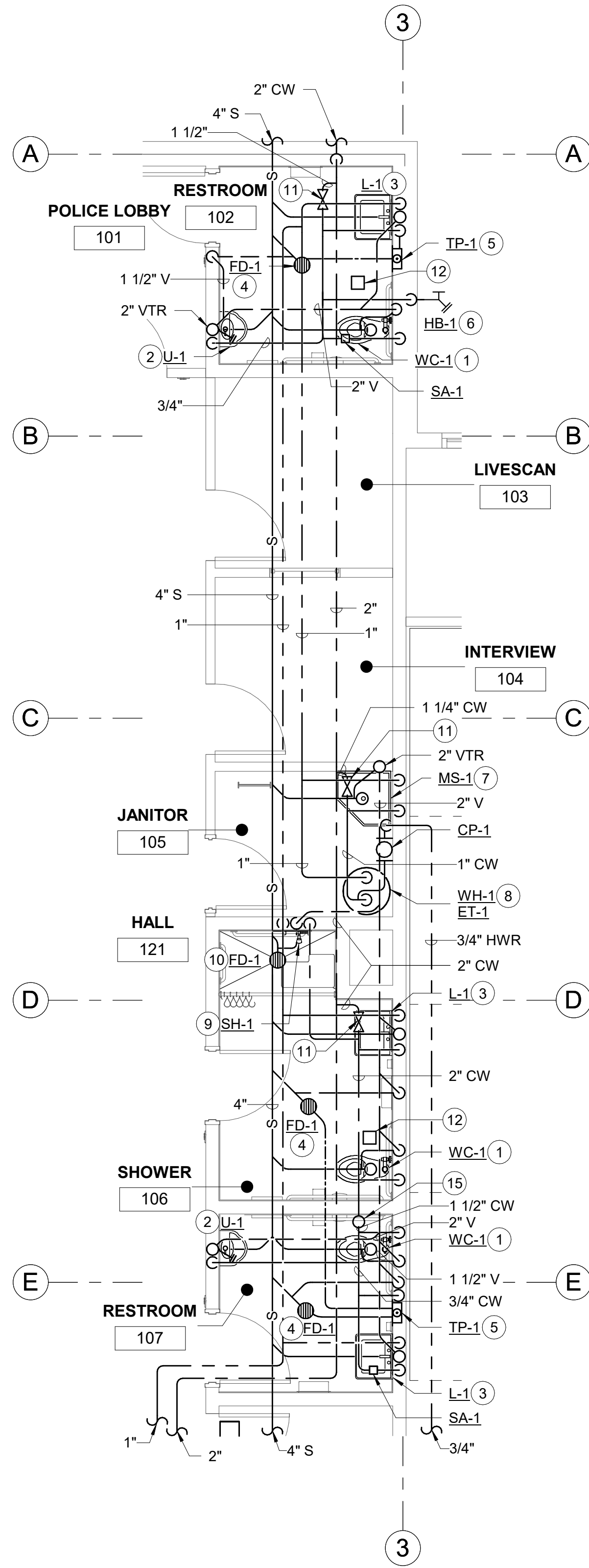
PLUMBING FLOOR PLAN

PROJECT NO.

22-12529.01

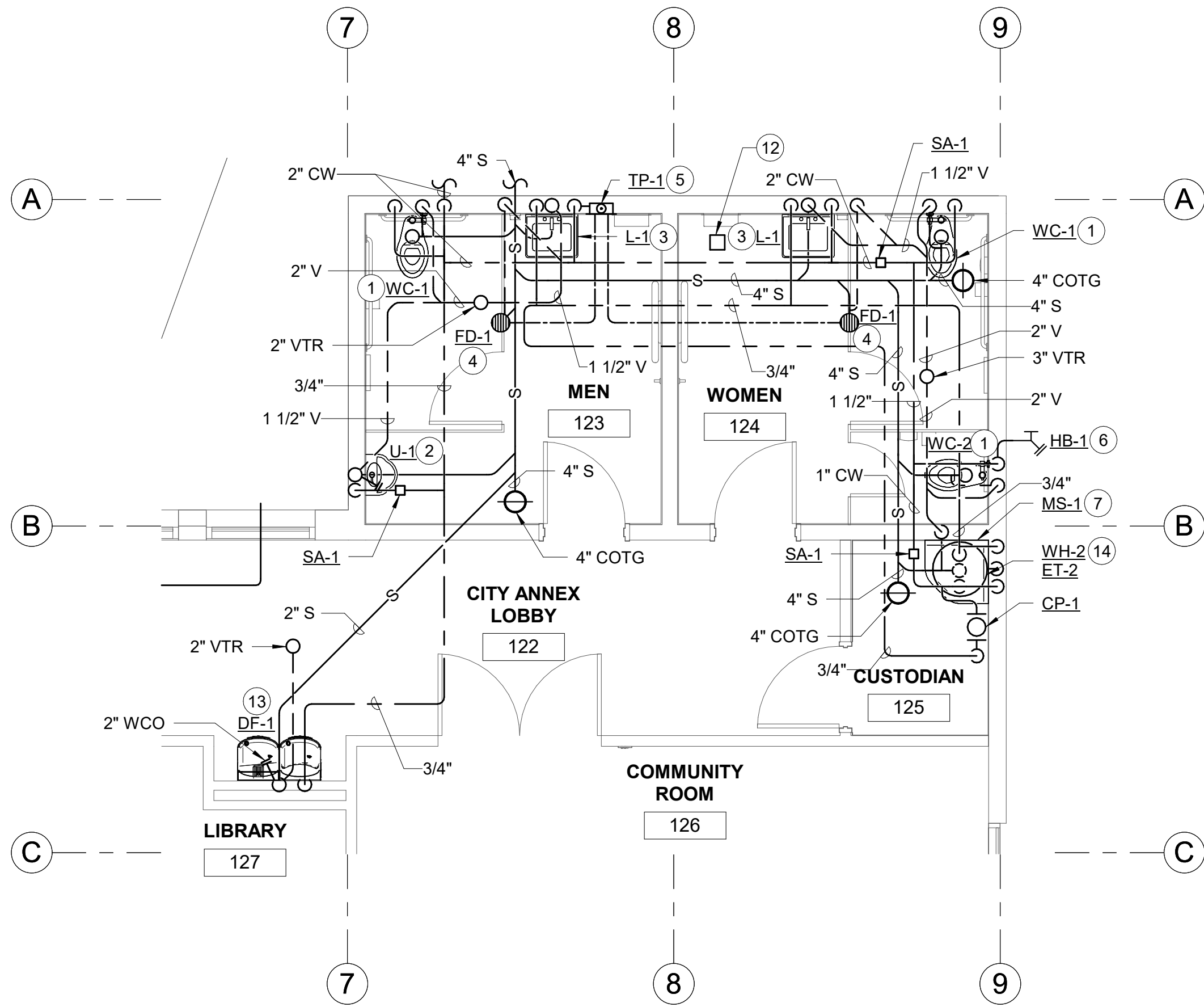
DRAWING

P200



ENLARGED PLUMBING FLOOR PLAN - POLICE RESTROOMS

1/4" = 1'-0" 2



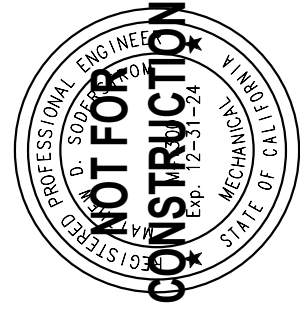
ENLARGED PLUMBING FLOOR PLAN - CITY RESTROOMS

1/4" = 1'-0" 1

KEYNOTES

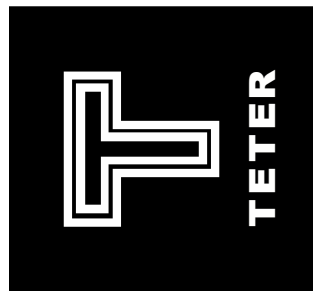
- 4" S, 2" V OFFSET BEL. FLR., & 1-1/2" CW FOR WATER CLOSET.
- 2" S W/ WALL CLEANOUT, 1-1/2" VR, & 3/4" CW FOR URINAL. CAP CW LINE ROUGH-IN IN WALL W/ S.S. COVER PLATE.
- 2" S, 1-1/2" VR, 3/4" CW, & 1/2" HW FOR LAVATORY.
- 2" S W/ P-TRAP, 1-1/2" V OFFSET BEL. FLR., & 1/2" TP FOR FLOOR DRAIN.
- 1/2" CW WITH SOV FOR TRAP PRIMER WITH STAINLESS STEEL ACCESS DOOR.
- 3/4" CW FOR HOSE BIBB AT +24" AFF.
- 3" S W/ P-TRAP, 2" V OFFSET BEL. FLR., 3/4" CW, & 3/4" HW FOR MOP SINK.
- 1" CW, 1" HW, 3/4" HWR, & 3/4" P&T RELIEF FOR FLOOR MOUNTED WATER HEATER. SEE 3/P800 FOR WATER HEATER ANCHORAGE AND PIPING.
- 3/4" CW & 1/2" HW FOR SHOWER SET.
- 2" S W/ P-TRAP & 1-1/2" V OFFSET BEL. FLR. FOR SHOWER FLOOR DRAIN.
- CW ISOLATION VALVE ABOVE CEILING WITH CEILING ACCESS PANEL. LOCATE VALVE WITHIN 12" OF CEILING.
- FLUSH VALVE POWER CONVERTER AND MINI JUNCTION BOX ABV. CLG. WITH CEILING ACCESS PANEL. SEE ELECTRICAL DRAWINGS FOR WIRING.
- 2" S, 1-1/2" VR, & 3/4" CW FOR DRINKING FOUNTAIN.
- 3/4" CW, 3/4" HW, 3/4" HWR, & 3/4" P&T RELIEF FOR PLATFORM MOUNTED WATER HEATER. SEE 2/P800 FOR WATER HEATER ANCHORAGE AND 3/P800 FOR PIPING.
- 3/4" CW UP TO HOSE BIBB ON ROOF.

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CITY SERVICES BUILDING
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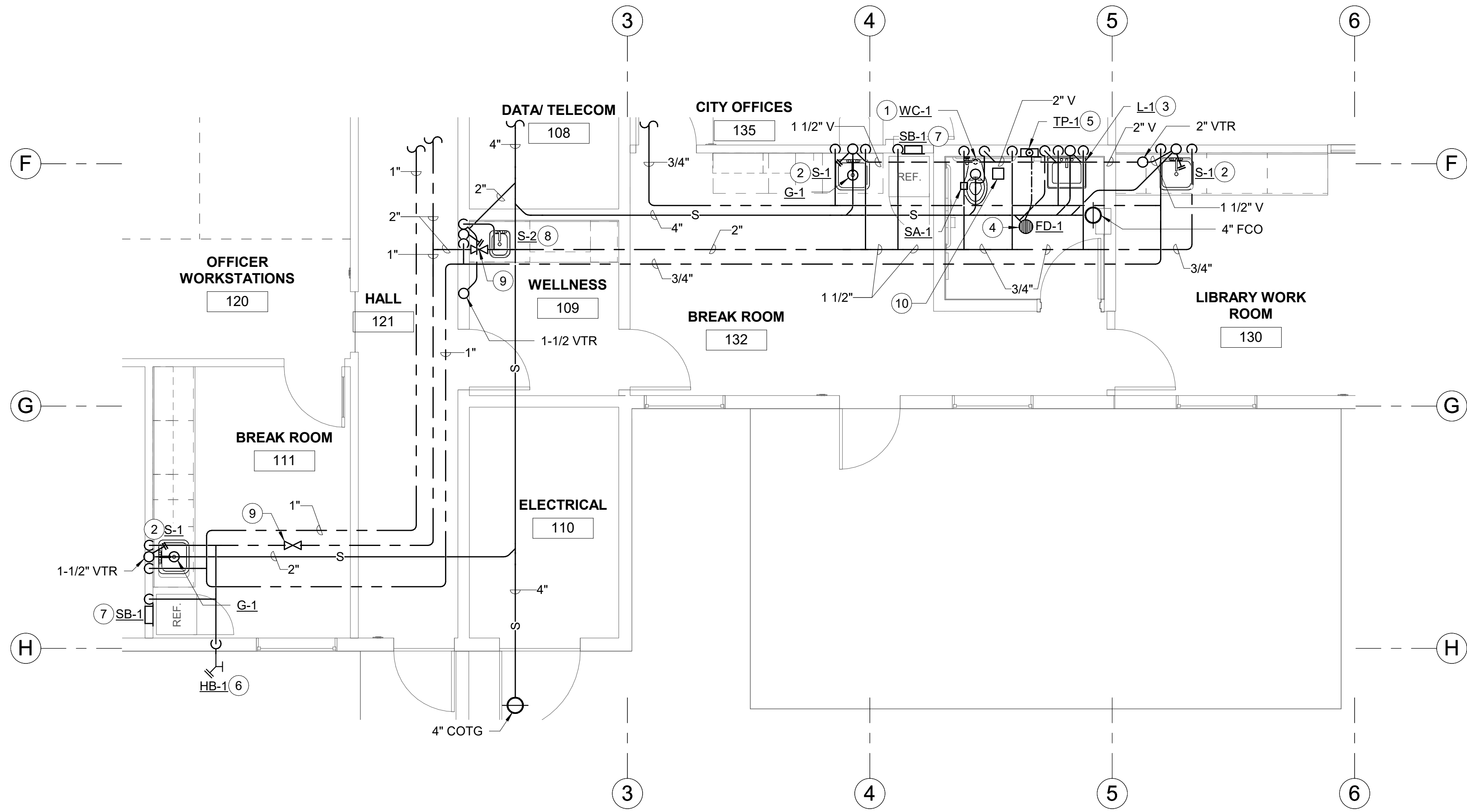
DRAWING TITLE
ENLARGED PLUMBING FLOOR PLANS

PROJECT NO.

22-12529.01

DRAWING

P201



ENLARGED PLUMBING FLOOR PLAN - BREAKROOMS

1/4" = 1'-0"

1

KEYNOTES

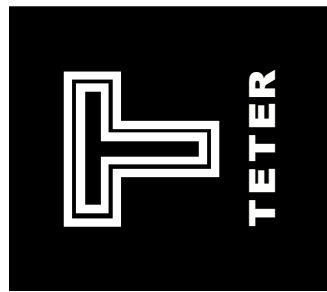
- 1 4" S, 2" V OFFSET BEL. FLR., & 1-1/2" CW FOR WATER CLOSET.
- 2 2" S W/ WALL CLEANOUT, 1-1/2" VR, 3/4" CW, & 1/2" HW FOR SINK.
- 3 2" S, 1-1/2" VR, 3/4" CW, & 1/2" HW FOR LAVATORY.
- 4 2" S W/ P-TRAP, 1-1/2" V OFFSET BEL. FLR., & 1/2" TP FOR FLOOR DRAIN.
- 5 1/2" CW WITH SOV FOR TRAP PRIMER WITH STAINLESS STEEL ACCESS DOOR.
- 6 3/4" CW FOR HOSE BIBB AT +24" AFF.
- 7 1/2" CW DN. IN WALL FOR RECESSED ICE MAKER SUPPLY BOX AT +12" AFF.
- 8 2"S W/ WALL CLEANOUT, 1-1/2" VR, 3/4" CW, & 1/2" HW FOR SINK. ROUTE S, CW, & HW PIPING ALONG BACK OF CABINET.
- 9 CW ISOLATION VALVE ABOVE T-BAR CEILING. LOCATE VALVE WITHIN 12" OF CEILING.
- 10 FLUSH VALVE POWER CONVERTER AND MINI JUNCTION BOX ABV. CLG. WITH CEILING ACCESS PANEL. SEE ELECTRICAL DRAWINGS FOR WIRING.

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ENLARGED PLUMBING FLOOR PLANS

PROJECT NO.

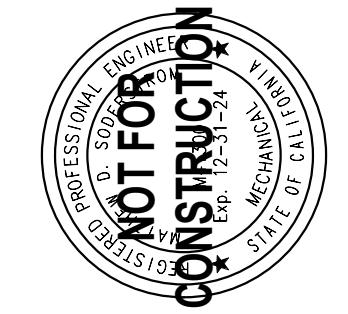
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DRAWING

P202



P500

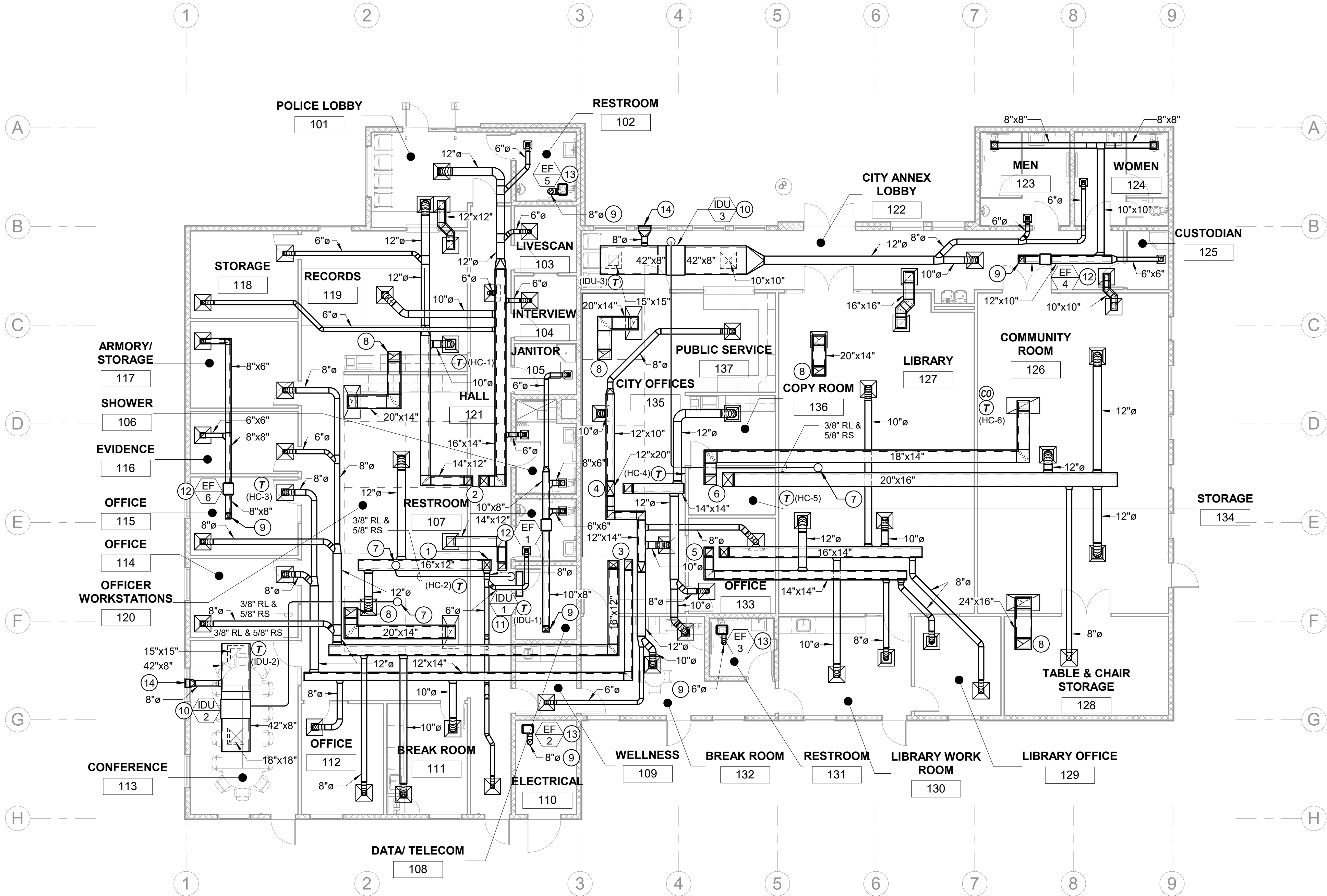
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CITY OF SHAFTER		PROJECT NO.	
POLICE SUBSTATION AND		22-12529.01	
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SHAFTER, CA		P800	
DRAWING TITLE		PLUMBING DETAILS	

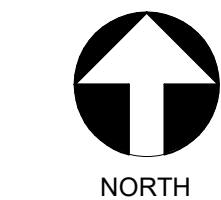
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MECHANICAL FLOOR PLAN



1/8" = 1'-0" 1

KEYNOTES

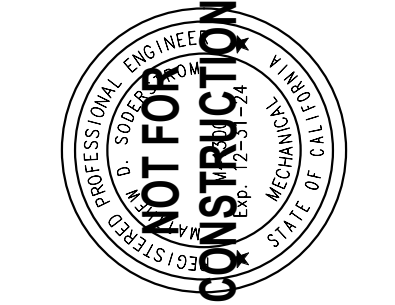
- 16"x12" SA & 14"x12" RA DUCTS DN. FROM PACKAGE UNIT ON ROOF. SEE M500 FOR CONT.
- 16"x14" SA & 14"x12" RA DUCTS DN. FROM PACKAGE UNIT ON ROOF. SEE M500 FOR CONT.
- 16"x12" SA & 12"x14" RA DUCTS DN. FROM PACKAGE UNIT ON ROOF. SEE M500 FOR CONT.
- 12"x20" SA & 14"x14" RA DUCTS DN. FROM PACKAGE UNIT ON ROOF. SEE M500 FOR CONT.
- 16"x14" SA & 14"x14" RA DUCTS DN. FROM PACKAGE UNIT ON ROOF. SEE M500 FOR CONT.
- 20"x16" SA & 18"x14" RA DUCTS DN. FROM PACKAGE UNIT ON ROOF. SEE M500 FOR CONT.
- 3/8" RL & 5/8" RS PIPING UP TO CONDENSING UNIT ON ROOF. SEE M500 FOR CONT. PIPING SHOWN AS SINGLE LINE FOR CLARITY.
- RELIEF DUCT UP TO RELIEF VENT ON ROOF. SEE M500 FOR CONT.
- EA DUCT UP TO RELIEF VENT ON ROOF. SEE M500 FOR CONT.
- DUCTED FAN COIL SUSPENDED ABV. CLG. SEE 7/M800 FOR ANCHORAGE.
- WALL MOUNTED FAN COIL. SEE 9/M800 FOR ANCHORAGE.
- IN-LINE EXHAUST FAN SUSPENDED ABV. CLG. SEE 5/M800 FOR ANCHORAGE.
- CEILING MOUNTED EXHAUST FAN. SEE 6/M800 FOR ANCHORAGE.
- ROUTE OSA DUCT ABV. CLG. TO EXTERIOR WALL AND TERMINATE WITH WALL LOUVER.

GENERAL NOTES

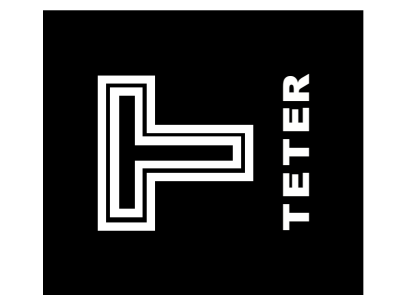
- SEE DETAIL 12/M800 FOR TYPICAL CEILING GRILLE.
- SEE DETAIL 8/M800 FOR TYPICAL DUCT SUPPORTS.
- SEE DETAIL 13/M800 FOR TYPICAL BRANCH DUCT DETAILS.
- SEE DETAIL 10/M800 FOR TYPICAL REFRIGERANT PIPE SUPPORTS.
- MOUNT THERMOSTATS AT +44" AFF TO TOP OF BOX.
- DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE INTERNAL LINING IS SHOWN OR SPECIFIED, INCREASE FABRICATED DUCT DIMENSIONS TO ACCOMMODATE.
- SEE SHEET M201 FOR GRILLE SIZES AND AIR BALANCE INFORMATION.

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DRAWING TITLE
MECHANICAL FLOOR PLAN

PROJECT NO.
22-12529.01
DRAWING
M200


$$1/8'' = 1'-0''$$

PROJECT NO.
22-12529.01
DRAWING
M300

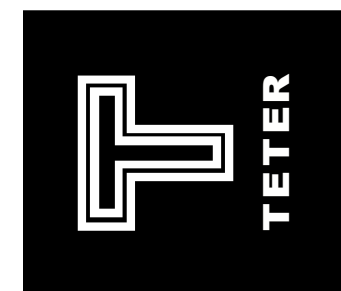

$$1/8'' = 1'-0''$$

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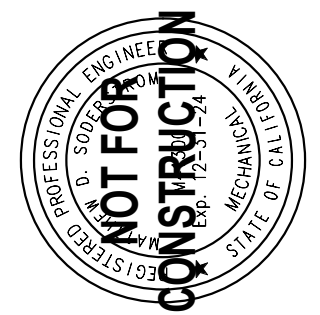
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M500

ARCHITECTS ENGINEERS CONNECTED

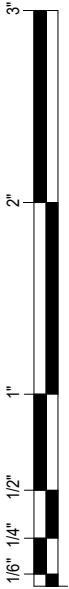


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SEQUENCE OF OPERATIONS

HVAC EMS CONTROLS SCOPE

CONTROLS CONTRACTOR TO PROVIDE COMPLETE ENERGY MANAGEMENT SYSTEM FOR ALL EQUIPMENT SCHEDULED AND PER THE SEQUENCE OF OPERATIONS LISTED ON THIS SHEET. SYSTEM TO INCLUDE, BUT NOT LIMITED TO, BUILDING LEVEL CONTROLLERS, UNITARY CONTROLLERS, START/STOP SCHEDULING, MONITORING OF ALARMS, WIRING, ELECTRICAL POWER AND CONDUIT AS NEEDED FOR A FULL OPERATING SYSTEM. CONTROLS CONTRACTOR SHALL BE RESPONSIBLE FOR INTEGRATION WITH THE OWNER'S EXISTING GRAPHICAL USER INTERFACE. COORDINATE WITH ELECTRICAL CONTRACTOR, MECHANICAL CONTRACTOR, AND DIVISION 23 FOR ALL WORK.

CONTROLS CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR REGARDING THE CONNECTION OF THE OUTDOOR LIGHTING SYSTEM THROUGH BACNET/IP PROTOCOLS. REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS AND QUANTITIES OF EXTERIOR LIGHTING CONTROL TIMECLOCKS AT EACH BUILDING.

THE CONTROL SYSTEM SHALL BE DIRECT DIGITAL; SCHNEIDER, DISTECH, ALLERTON, OR HONEYWELL. THE SYSTEM SHALL BE NIAGARA 4 BASED WITH OPEN LICENSE SUPERVISORY CONTROLLER.

SPLIT SYSTEM HEAT PUMPS

THE UNIT SHALL RUN PER THE SYSTEM OPERATION SCHEDULE THROUGH THE DDC/EMS AND PER THE UNIT THERMOSTAT'S OVERRIDE (ON/OFF). OCCUPANTS MUST BE ABLE TO OVERRIDE THE UNIT ON AND OFF (FOR 3 HOURS) REGARDLESS OF SCHEDULED OCCUPANCY. ROOM TEMPERATURE SENSORS SHALL BE WALL MOUNTED. THE UNIT SET POINT SHALL BE ADJUSTABLE +/- 3F (ADJ.) FROM A SWITCH LOCATED ON THE TEMPERATURE SENSOR. THERMOSTAT SHALL CONTROL THE HEATING/COOLING UNIT TO MAINTAIN SET POINTS.

EXHAUST FAN

THE EXHAUST FAN SHALL RUN PER THE SYSTEM OPERATION SCHEDULE THROUGH THE DDC/EMS. IF THE EXHAUST FAN IS COMMANDED ON, AND THE STATUS FAILS TO PROVE, THE DDC/EMS SHALL SEND A FAN FAILURE ALARM TO THE DISTRICT EMS SERVER.

HEATING/COOLING PACKAGE UNIT

THE UNIT SHALL RUN PER THE SYSTEM OPERATION SCHEDULE THROUGH THE DDC/EMS AND PER THE UNIT'S THERMOSTAT OVERRIDE (ON/OFF). OCCUPANTS MUST BE ABLE TO OVERRIDE THE UNIT ON AND OFF (FOR 3 HOURS) REGARDLESS OF SCHEDULED OCCUPANCY. ROOM TEMPERATURE SENSOR SHALL BE WALL MOUNTED. THE UNIT SETPOINT SHALL BE ADJUSTABLE +/- 3F (ADJ.) FROM A SWITCH LOCATED ON THE TEMPERATURE SENSOR. UNIT FAN SHALL RUN CONTINUOUSLY ON START BY THE DDC/EMS REGARDLESS OF HEAT/COOL CALL. IF THE FAN IS COMMANDED ON, AND THE STATUS FAILS TO PROVE, THE DDC/EMS SHALL SEND A FAN FAILURE ALARM TO THE DISTRICT EMS SERVER. THE UNIT CONTROLLER SHALL MONITOR ROOM TEMPERATURE AND ROOM SETPOINT AND WITH A PROPORTIONAL INTEGRAL CONTROL ALGORITHM DETERMINE IF ACTIVE COOLING CAPACITY IS REQUIRED. ON CALL FOR COOLING, THE UNIT CONTROLLER SHALL BEGIN TO STAGE COMPRESSORS.

DURING HEATING OPERATION, THE UNIT CONTROLLER WILL MONITOR ROOM TEMPERATURE AND ROOM SETPOINT AND WITH A PROPORTIONAL INTEGRAL CONTROL ALGORITHM DETERMINE ACTIVE HEATING CAPACITY IS REQUIRED. ON CALL FOR HEATING, THE UNIT CONTROLLER SHALL BEGIN TO STAGE HEATING. THE DDC/EMS SHALL MONITOR THE UNIT'S STATUS WITH A SUPPLY AIR TEMPERATURE SENSOR. UNITS AS SCHEDULED SHALL HAVE A SMOKE DETECTOR IN THE MAIN SUPPLY DUCT WHICH SHALL SHUT THE UNIT OFF ON ALARM AND SIGNAL THE FIRE ALARM SYSTEM. (DIV. 28)

THERMOSTAT (SPACE SENSOR) CONTROL AND INITIAL SETTINGS SHALL BE AS FOLLOWS: OCCUPIED COOL SET POINT OF 75F WITH ADJUSTABLE PLUS OR MINUS 3F AT THE THERMOSTAT. OCCUPIED HEAT SET POINT OF 70F WITH ADJUSTABLE PLUS OR MINUS 3F AT THE THERMOSTAT. UNOCCUPIED COOL SETPOINT SHALL BE 95F NOT ADJUSTABLE AT THE THERMOSTAT. UNOCCUPIED HEAT SET POINT SHALL BE 45F NOT ADJUSTABLE AT THE THERMOSTAT. THE UNIT CAN BE TURNED OFF AT THE STAT WHEN OCCUPIED FOR 1-3 HOURS (ADJ.). THE UNIT CAN BE TURNED ON AT THE STAT WHEN UNOCCUPIED FOR 1-3 HOURS (ADJ.). NO OTHER HVAC EQUIPMENT FUNCTIONS SHOULD BE ADJUSTABLE AT THE THERMOSTAT.

AIR FILTERS SHALL BE MONITORED WITH A DIFFERENTIAL PRESSURE TRANSDUCER ACROSS EACH FILTER BANK WHICH SHALL REPORT THE DIFFERENTIAL PRESSURE IN INCHES W.C. TO THE DDC/EMS.

ON ALL PACKAGE UNITS, THE ECONOMIZER WILL BE CONTROLLED BY THE UNIT'S DDC CONROLLER. THE CONTROL LOGIC WILL BE CONSISTENT WITH THE OUTSIDE AIR DAMPER AND HEATING AND COOLING SEQUENCES OUTLINED IN THIS SPECIFICATION. THE FIRST SOURCE OF COOLING AS ROOM TEMPERATURE RISES ABOVE COOLING SETPOINT IS THE OUTSIDE AIR. WHEN THE OUTSIDE AIR IS BELOW 55F (ADJ.). THE OUTSIDE AIR AND RETURN AIR DAMPERS SHALL MODULATE TO MAINTAIN SETPOINT. WHEN OUTSIDE AIR TEMPERATURE IS BETWEEN 55F (ADJ.) AND THE ROOM COOLING SETPOINT, THE OUTSIDE AIR DAMPER SHALL OPEN FULLY, THE RETURN DAMPER SHALL CLOSE FULLY, AND THE UNIT'S COOLING SHALL CYCLE TO MAINTAIN SETPOINT. WHEN THE OUTSIDE AIR IS ABOVE ROOM COOLING SETPOINT, THE OUTSIDE AIR DAMPER CLOSES TO MINIMUM POSITION, THE RETURN DAMPER OPENS TO MINIMUM OUTSIDE AIR OPERATION POSITION, AND THE UNIT'S COOLING WILL CYCLE TO MAINTAIN SETPOINT.

THE CONTROL CONTRACTOR SHALL SET THE OUTSIDE AIR DAMPER POSITION AIRFLOW SETPOINTS PER DESIGN AND AIR BALANCE. DAMPER SETPOINTS FOR UNITS WITH CO2 DCV SHALL BE AS FOLLOWS. A WALL MOUNTED CO2 SENSOR SHALL CONTROL THE UNIT'S OUTSIDE AIR DAMPER WHEN THE SYSTEM IS IN THE HEATING OR COOLING MODES TO RESET THE MINIMUM OUTSIDE AIRFLOW. THE CO2 SENSOR SETPOINTS AND THE OUTSIDE AIR DAMPER SETPOINTS SHALL BE DEVELOPED IN COORDINATION WITH THE BALANCE CONTRACTOR AND AS NOTED ABOVE. THE CONTROL CONTRACTOR SHALL DETERMINE THE BASE AMBIENT CO2 CONCENTRATION LEVEL AFTER THE AIR HANDLER SYSTEM HAS BEEN BALANCED AND THE BUILDING IS UNOCCUPIED. THE UPPER AND LOWER CO2 CONCENTRATION SETPOINTS SHALL BE DEVELOPED AS FOLLOWS. LOWER CO2 CONCENTRATION SETPOINT SHALL BE 200 PPM ABOVE AMBIENT. UPPER CO2 CONCENTRATION SETPOINT SHALL BE 600 PPM ABOVE AMBIENT. THE SENSOR SHALL MONITOR THE CO2 CONCENTRATION WHILE THE UNIT IS ON. ON SYSTEM STARTUP, THE OUTSIDE AIR DAMPER SHALL OPEN TO THE DESIGN MINIMUM DAMPER POSITION SETPOINT. IF THE CO2 CONCENTRATION IS ABOVE THE UPPER CO2 SETPOINT, THE DAMPER SHALL MODULATE OPEN. THE DAMPER SHALL NOT OPEN MORE THAN THE DESIGN MINIMUM POSITION SETPOINT IF THE AIR HANDLER IS NOT IN THE ECONOMIZER MODE. IF THE CO2 CONCENTRATION IS BELOW THE LOWER CO2 SETPOINT, THE DAMPER SHALL MODULATE TO DCV MINIMUM SETTING. THE HEATING/ COOLING CALLS WILL NOT BE SUSPENDED WHEN OUTSIDE AIR DAMPERS ARE OPENED BY HIGH CO2 CONCENTRATIONS.

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DRAWING TITLE
EMS CONTROLS

PROJECT NO.

22-12529.01

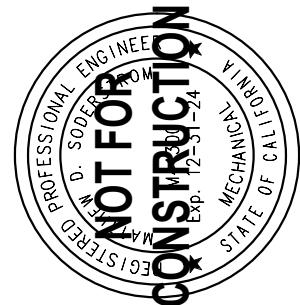
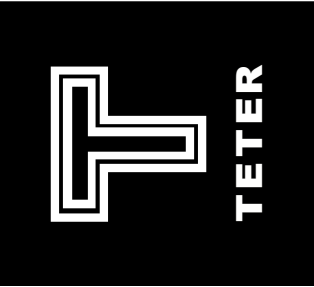
DRAWING

M700

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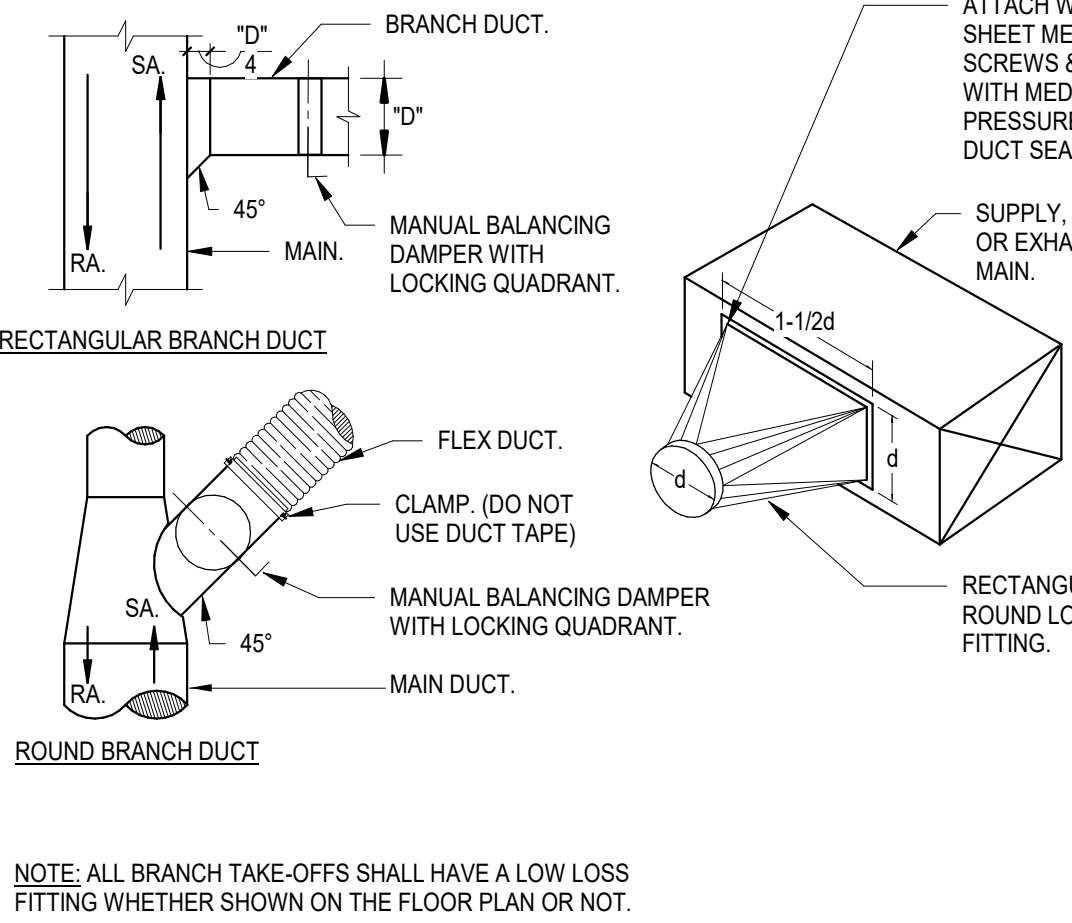
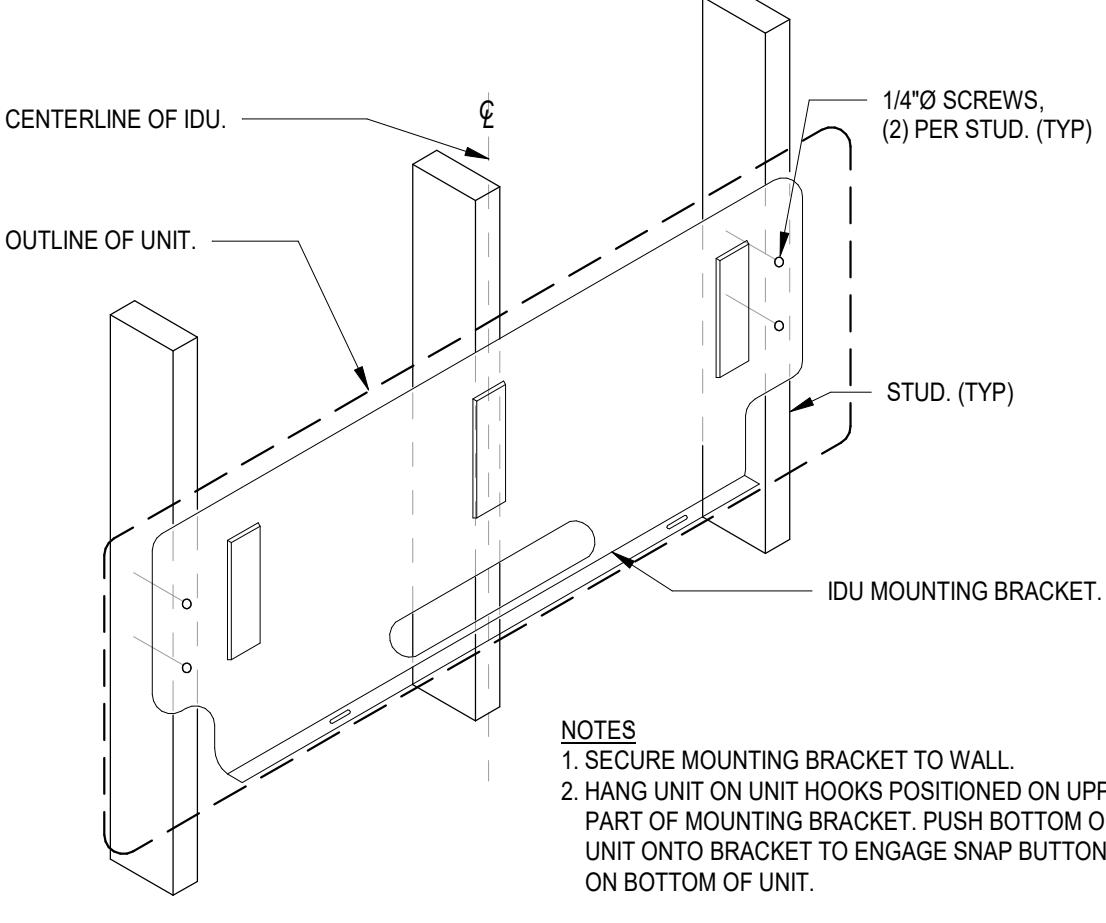
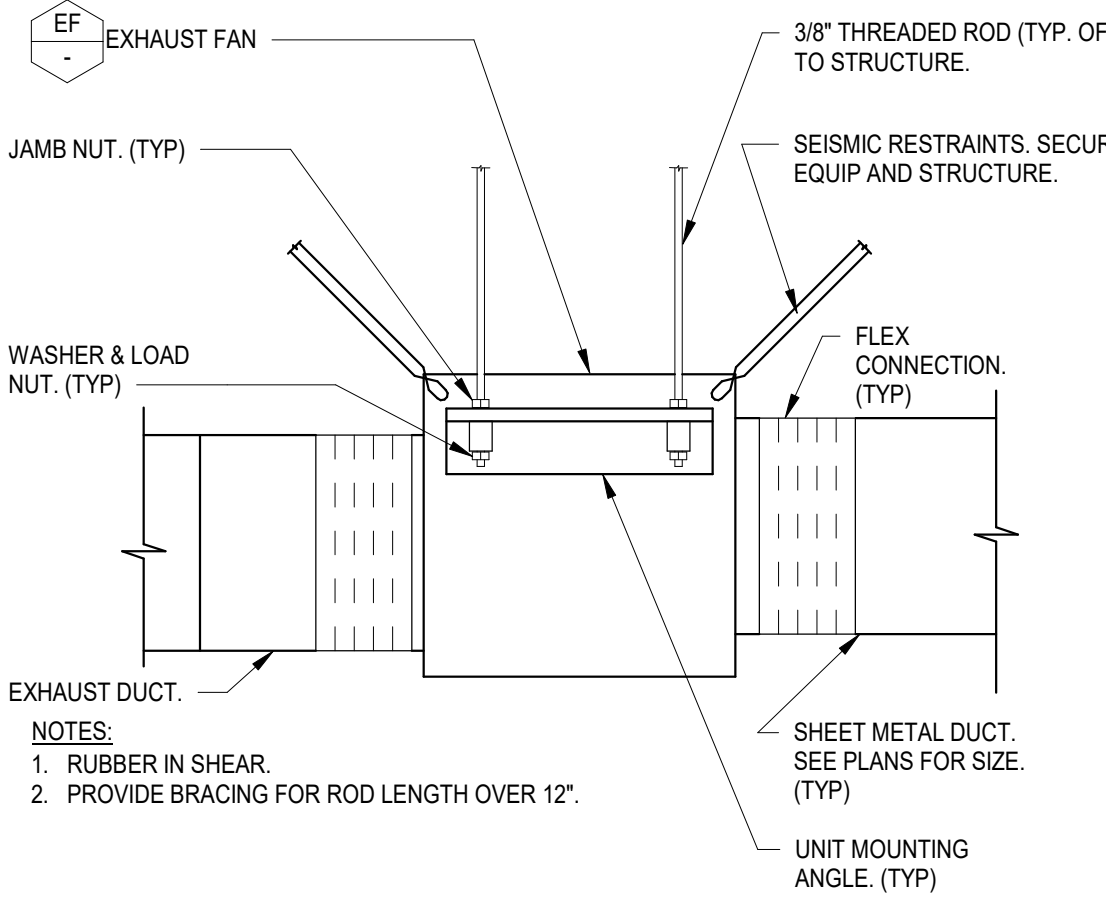
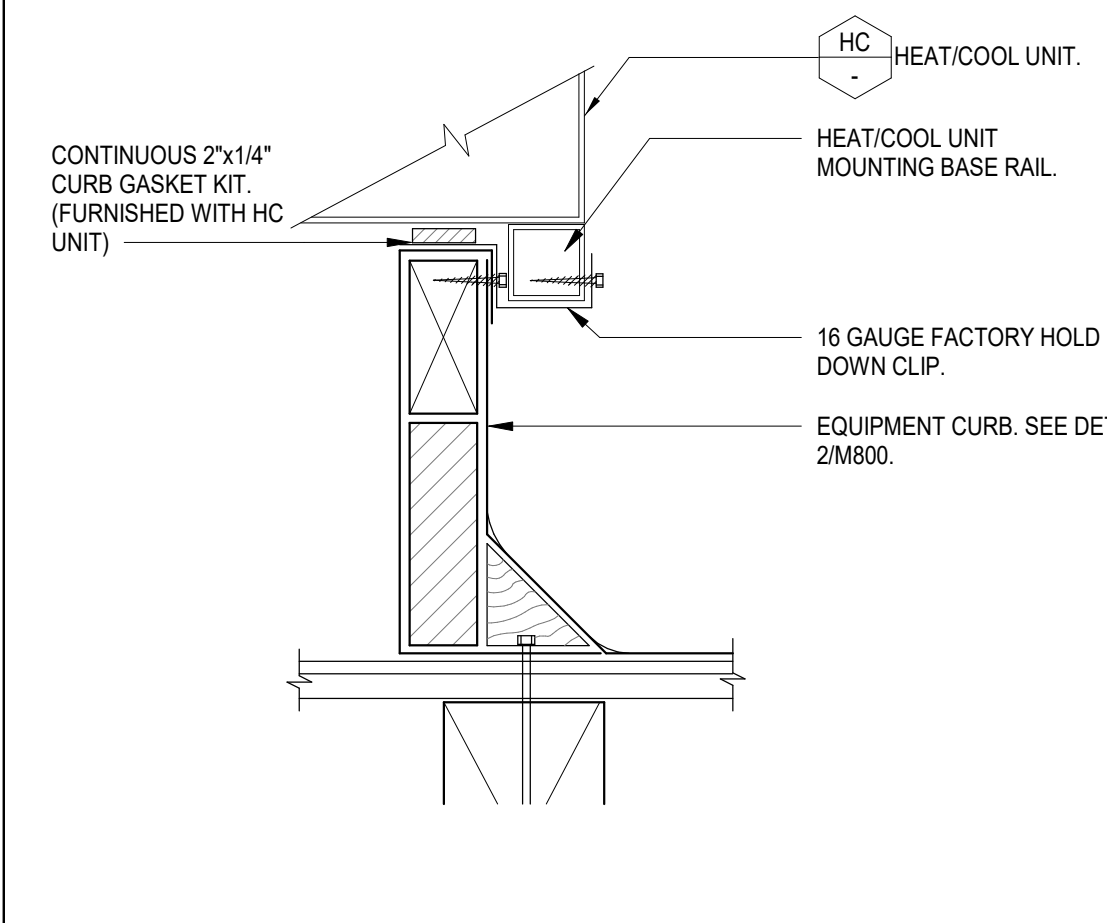
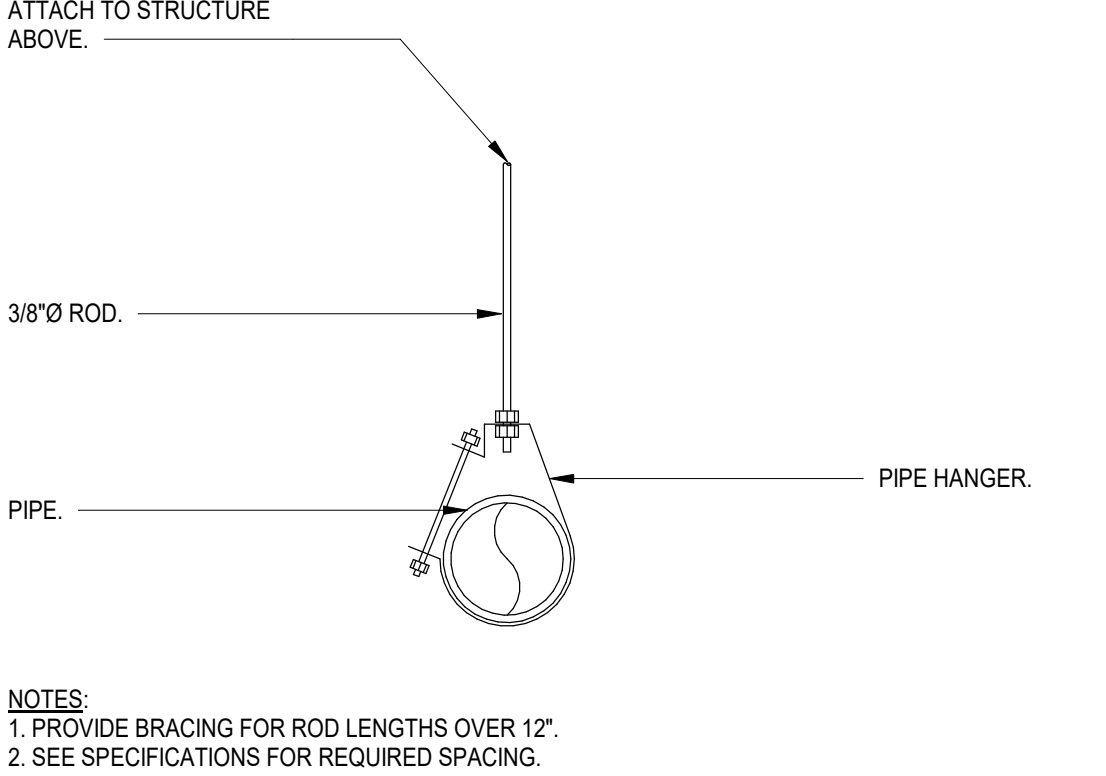
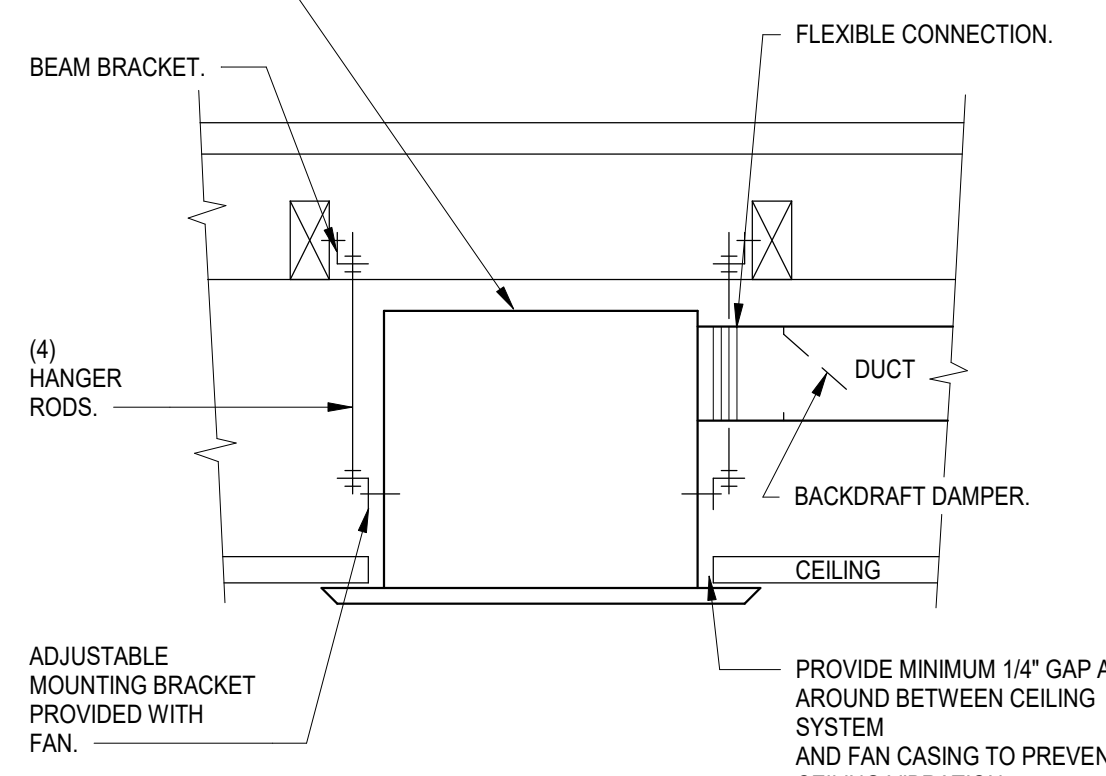
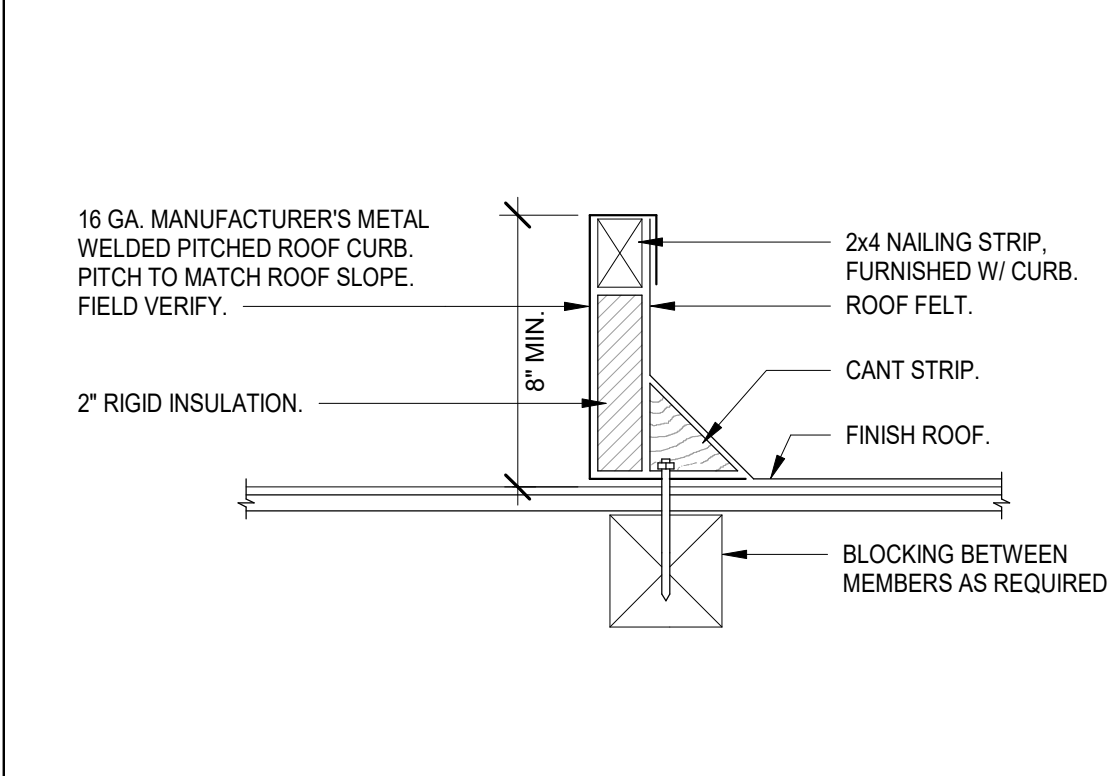
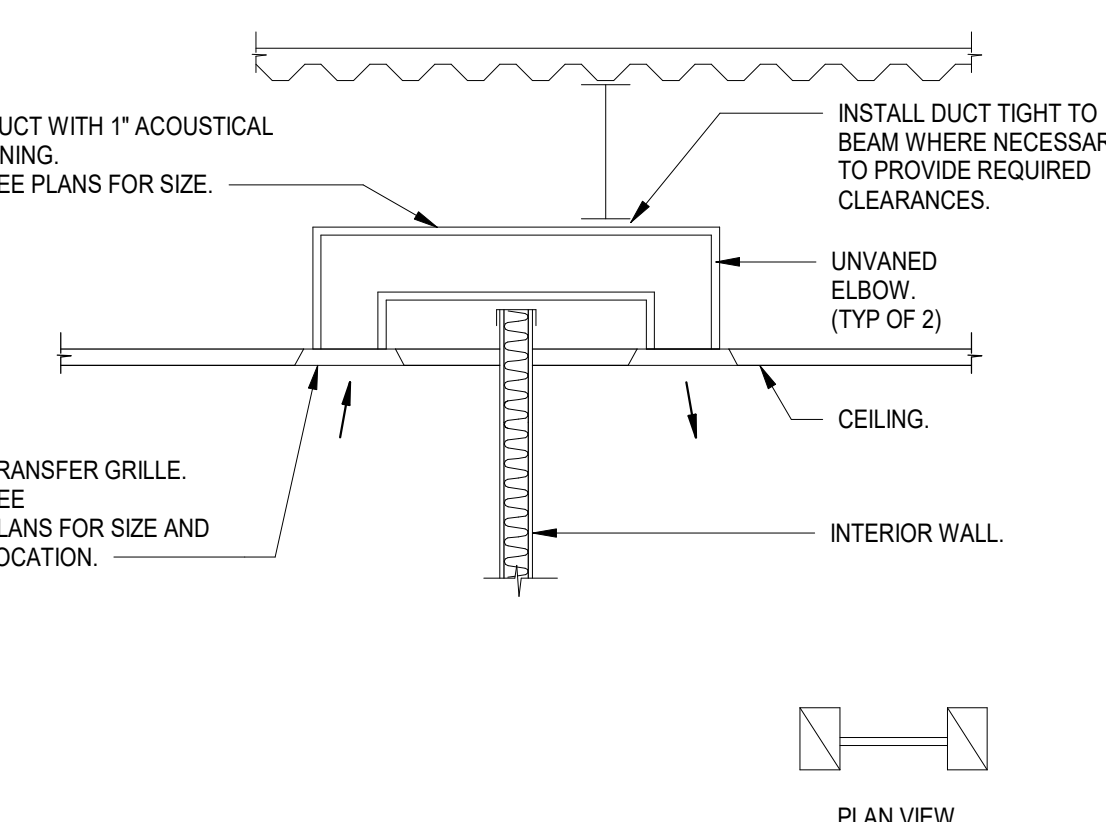
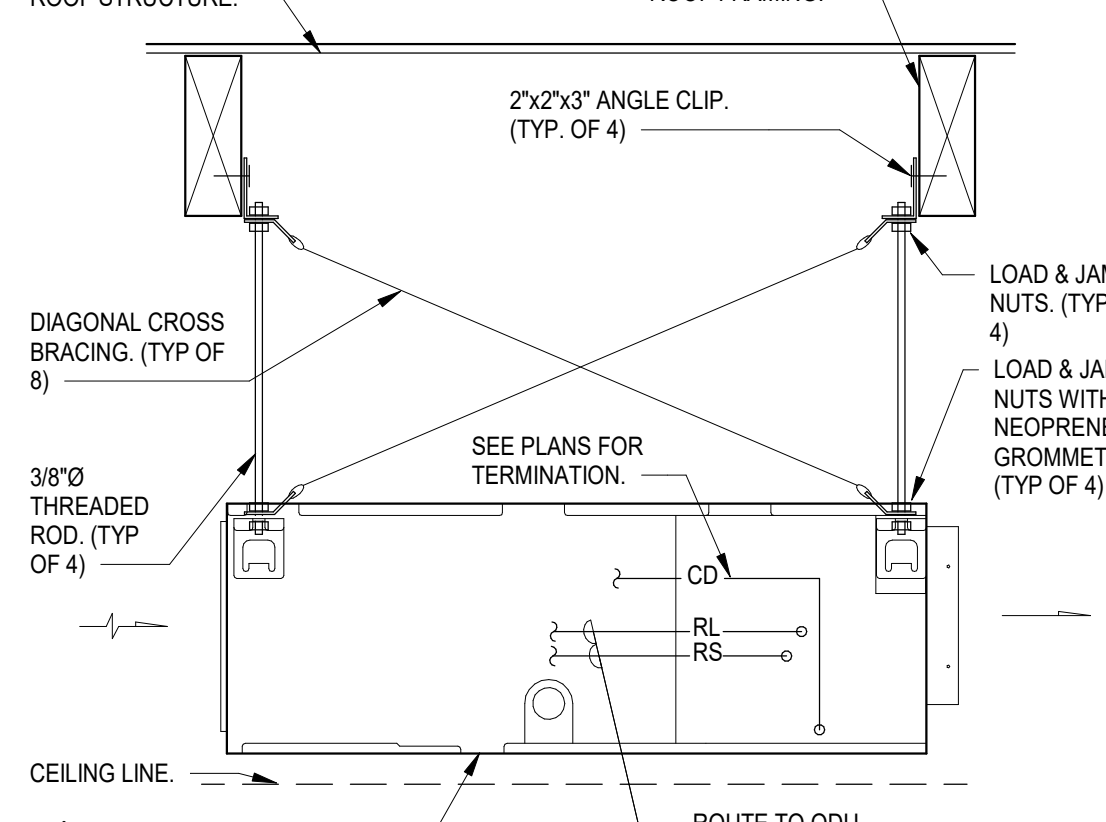
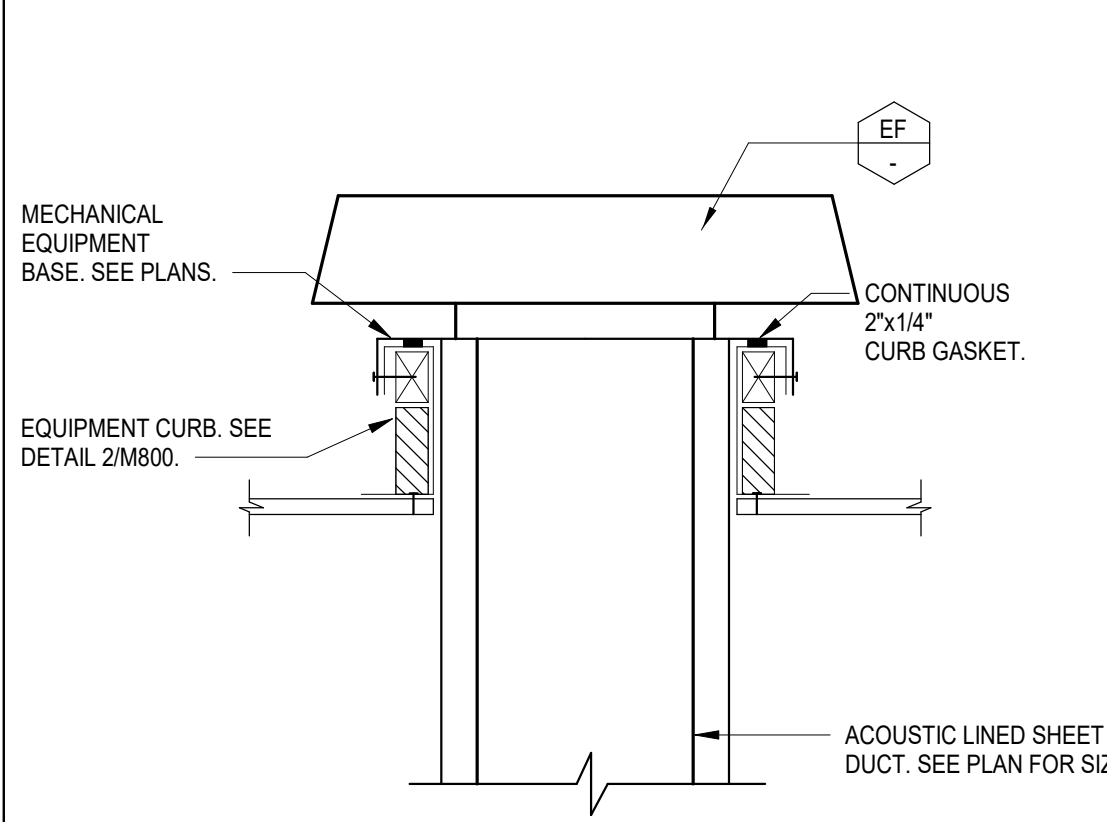
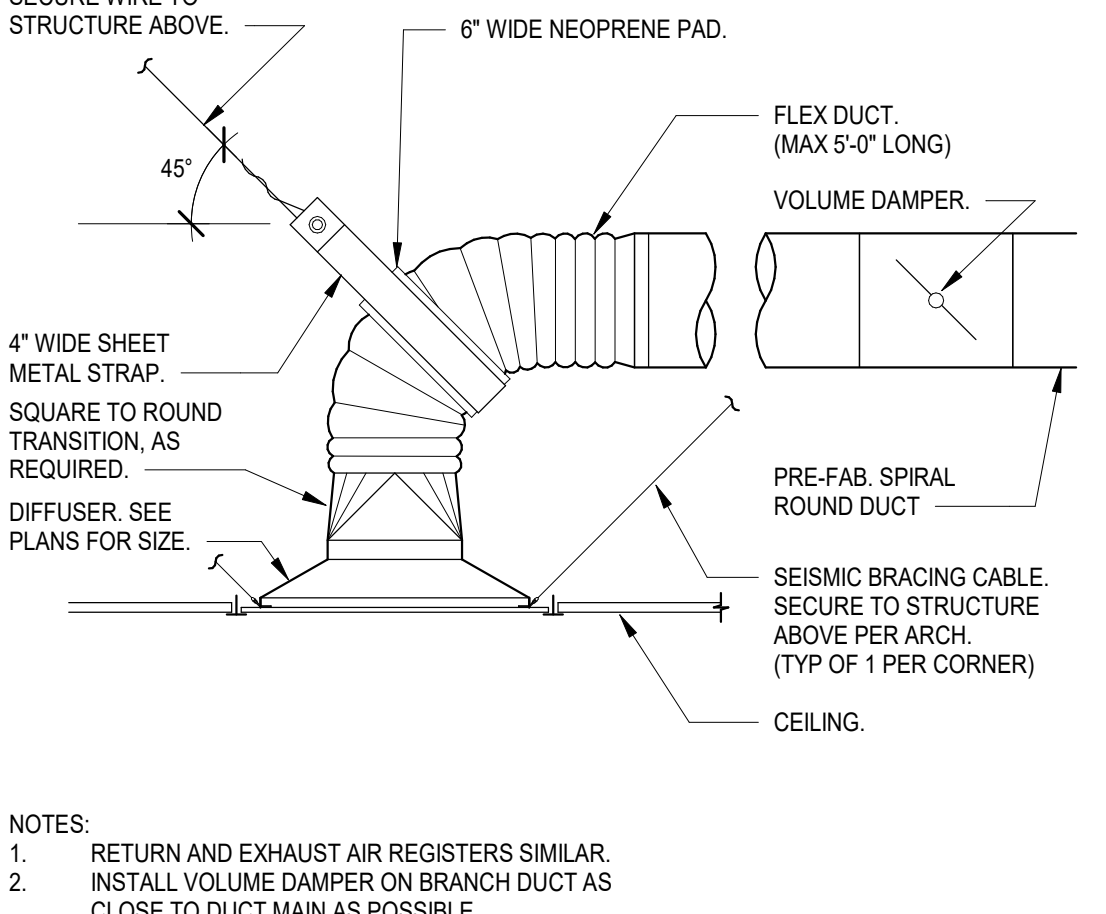
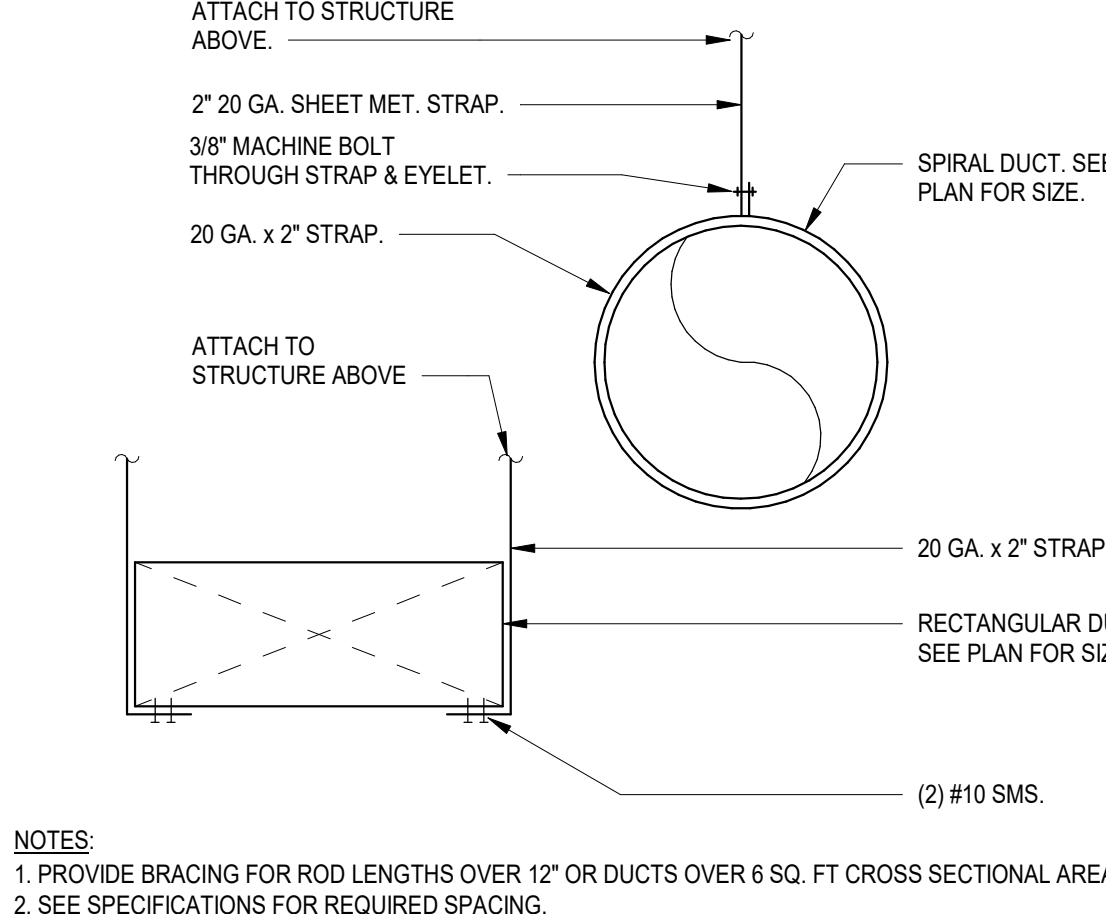
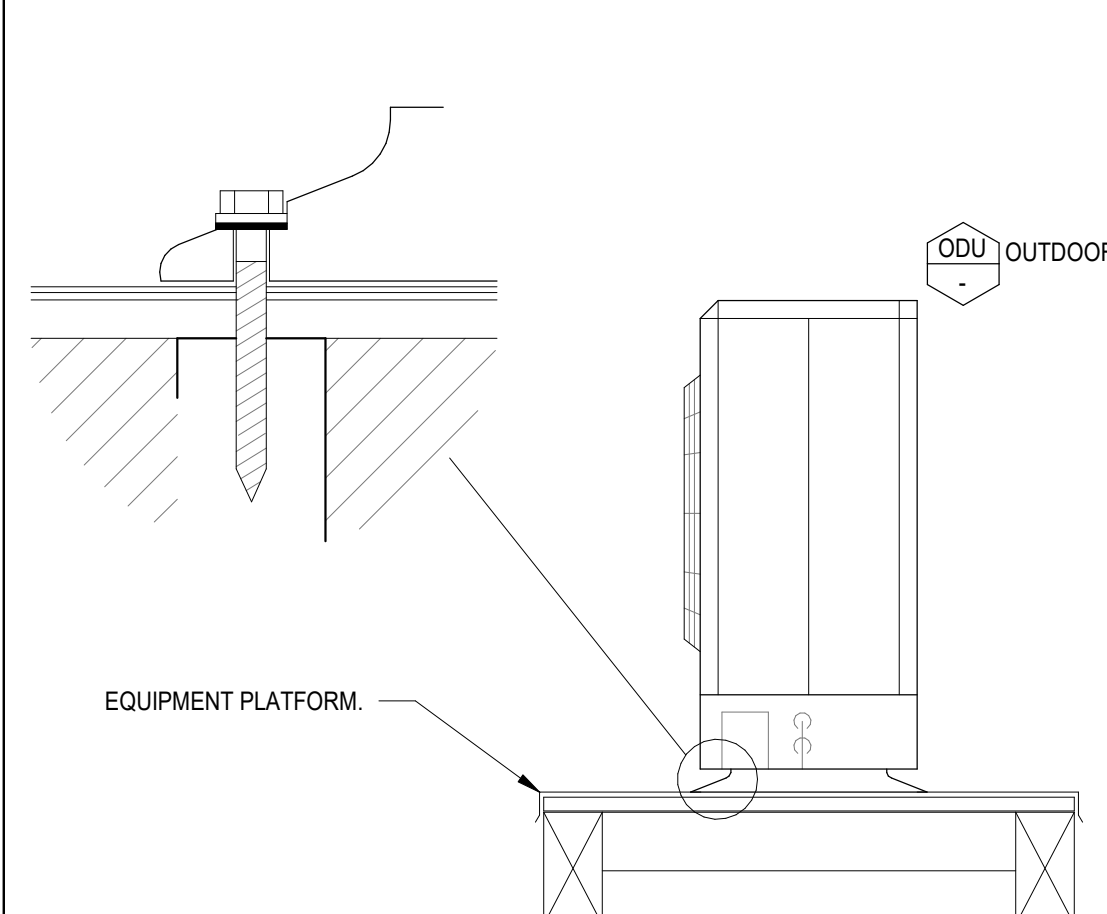
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	 NOTE: ALL BRANCH TAKE-OFFS SHALL HAVE A LOW LOSS FITTING WHETHER SHOWN ON THE FLOOR PLAN OR NOT.	TYP. CEILING GRILLE	N.T.S.	13	 NOTES: 1. SECURE MOUNTING BRACKET TO WALL. 2. HANG UNIT ON UNIT HOOKS POSITIONED ON UPPER PART OF MOUNTING BRACKET. PUSH BOTTOM OF UNIT ONTO BRACKET TO ENGAGE SNAP BUTTONS ON BOTTOM OF UNIT.	IDU MOUNTING BRACKET	N.T.S.	9	 NOTES: 1. RUBBER IN SHEAR. 2. PROVIDE BRACING FOR ROD LENGTH OVER 12".	IN-LINE EXHAUST FAN	N.T.S.	5		PACKAGE UNIT ON CURB	N.T.S.	1
					 NOTES: 1. PROVIDE BRACING FOR ROD LENGTHS OVER 12". 2. SEE SPECIFICATIONS FOR REQUIRED SPACING.	PIPE SUPPORT	N.T.S.	10	 PROVIDE MINIMUM 1/4" GAP ALL AROUND BETWEEN CEILING SYSTEM AND FAN CASING TO PREVENT CEILING VIBRATION.	CEILING EXHAUST FAN	N.T.S.	6		EQUIPMENT CURB	N.T.S.	2
					 PLAN VIEW	TRANSFER GRILLE	N.T.S.	11	 ROUTE TO ODU.	DUCTED FAN COIL	N.T.S.	7		RELIEF VENT ON CURB	N.T.S.	3
					 NOTES: 1. RETURN AND EXHAUST AIR REGISTERS SIMILAR. 2. INSTALL VOLUME DAMPER ON BRANCH DUCT AS CLOSE TO DUCT MAIN AS POSSIBLE.	TYP. CEILING GRILLE	N.T.S.	12	 NOTES: 1. PROVIDE BRACING FOR ROD LENGTHS OVER 12" OR DUCTS OVER 6 SQ. FT CROSS SECTIONAL AREA. 2. SEE SPECIFICATIONS FOR REQUIRED SPACING.	DUCT SUPPORT	N.T.S.	8		ODU ON PLATFORM	N.T.S.	4

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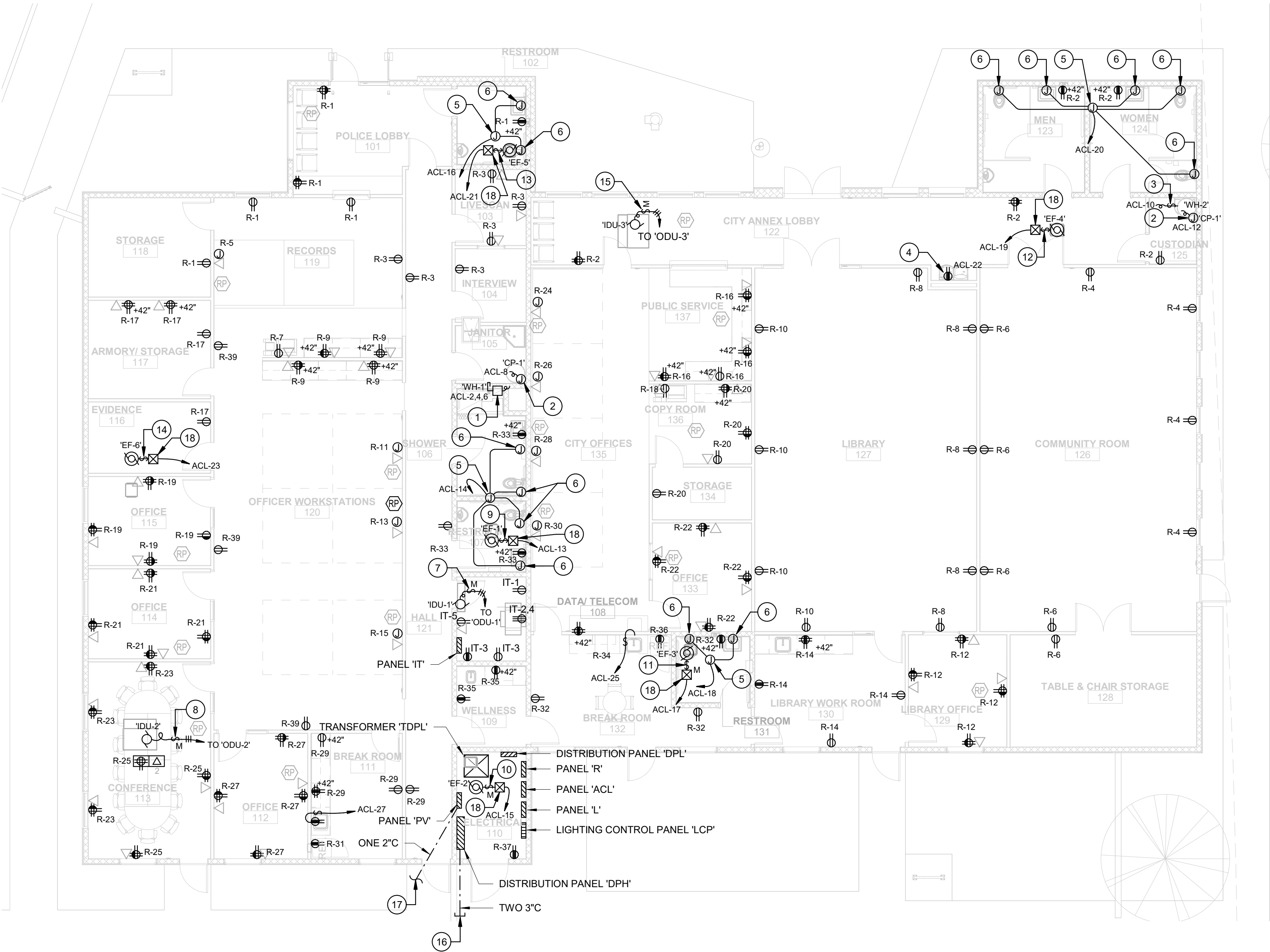
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SHAFTER, CA

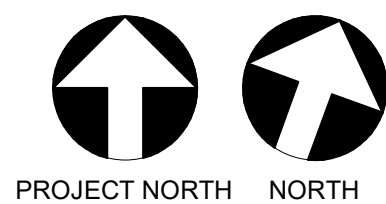
DRAWING TITLE
MECHANICAL DETAILS

PROJECT NO.
22-12529.01

DRAWING
M800



POWER PLAN



1/8" = 1'-0"

8

KEYNOTES

- 1 PROVIDE A GENERAL DUTY 250V, 60A, 3-POLE DISCONNECT, AND CONNECTION FOR 208V, 3 ϕ , 10,000W, WATER HEATER 'WH-1'.
- 2 PROVIDE POWER CONNECTION TO 120V, 1 ϕ , 1/12 HP CIRCULATION PUMP 'CP-1'.
- 3 PROVIDE A/C SNAP SWITCH DISCONNECT, AND POWER CONNECTION TO 120V, 1 ϕ , 2,000W, WATER HEATER 'WH-2'.
- 4 PROVIDE 120V, 1 ϕ , 5A POWER CONNECTION TO REFRIGERATED DRINKING FOUNTAIN .
- 5 PROVIDE 120V POWER CONNECTION TO ELECTRIC SENSOR VALVE POWER CONVERTER (PROVIDED BY PLUMBING CONTRACTOR).
- 6 PROVIDE LOW VOLTAGE POWER CONNECTION TO ELECTRIC SENSOR VALVE (PROVIDED BY PLUMBING CONTRACTOR AT LAVATORIES, URINALS, AND WATER CLOSETS) FROM POWER CONVERTER, PER MANUFACTURERS RECOMMENDATION.
- 7 PROVIDE 208V, 15A, 2-POLE, MOTOR RATED SWITCH, AND CONNECTION FOR 208V, 1 ϕ , 1.0 MCA, 0.36 FLA, INDOOR UNIT 'IDU-1' FROM OUTDOOR UNIT 'ODU-1'. INDOOR UNIT BRANCH CIRCUIT SHALL CONSIST OF ONE 3/4"C WITH 3#12 CU THWN AND 1#12 CU GND.
- 8 PROVIDE 208V, 15A, 2-POLE, MOTOR RATED SWITCH, AND CONNECTION FOR 208V, 1 ϕ , 2.6 MCA, 2.10 FLA, INDOOR UNIT 'IDU-2' FROM OUTDOOR UNIT 'ODU-2'. INDOOR UNIT BRANCH CIRCUIT SHALL CONSIST OF ONE 3/4"C WITH 3#12 CU THWN AND 1#12 CU GND.
- 9 PROVIDE 120V, 20A, 1-POLE, MOTOR RATED SWITCH, AND CONNECTION FOR 120V, 1 ϕ , 1/10 HP, EXHAUST FAN 'EF-1'.
- 10 PROVIDE 120V, 20A, 1-POLE, MOTOR RATED SWITCH, AND CONNECTION FOR 120V, 1 ϕ , 128W, EXHAUST FAN 'EF-2'.
- 11 PROVIDE 120V, 20A, 1-POLE, MOTOR RATED SWITCH, AND CONNECTION FOR 120V, 1 ϕ , 128W, EXHAUST FAN 'EF-3'.
- 12 PROVIDE 120V, 20A, 1-POLE, MOTOR RATED SWITCH, AND CONNECTION FOR 120V, 1 ϕ , 1/10 HP, EXHAUST FAN 'EF-4'.
- 13 PROVIDE 120V, 20A, 1-POLE, MOTOR RATED SWITCH, AND CONNECTION FOR 120V, 1 ϕ , 128W, EXHAUST FAN 'EF-5'.
- 14 PROVIDE 120V, 20A, 1-POLE, MOTOR RATED SWITCH, AND CONNECTION FOR 120V, 1 ϕ , 1/10 HP, EXHAUST FAN 'EF-6'.
- 15 PROVIDE 208V, 15A, 2-POLE, MOTOR RATED SWITCH, AND CONNECTION FOR 208V, 1 ϕ , 2.7 MCA, 2.18 FLA, INDOOR UNIT 'IDU-3' FROM OUTDOOR UNIT 'ODU-3'. INDOOR UNIT BRANCH CIRCUIT SHALL CONSIST OF ONE 3/4"C WITH 3#12 CU THWN AND 1#12 CU GND.
- 16 PROVIDE TWO 3"C STUBBED OUT FROM BUILDING FOR CONTINUATION BY SITE CONTRACTOR TO AUTOMATIC TRANSFER SWITCH.
- 17 PROVIDE ONE 2"C TO COLLECTOR PANEL 'CP' IN ELECTRICAL YARD.
- 18 PROVIDE 120V, 15A RELAY AND ROUTE EXHAUST FAN BRANCH CIRCUIT THROUGH RELAY FOR ON/OFF CONTROL. CONNECT RELAY COIL TO EMS SYSTEM.

GENERAL NOTES

- A. PROVIDE ELECTRICAL FEEDERS PER SINGLE LINE DIAGRAM.
- B. CONDUIT AND CONDUCTORS SHALL BE CONCEALED, U.O.N.
- C. PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.
- D. ALL 120V, 15A AND 20A RECEPTACLES WITHIN KITCHENS AND RESTROOMS SHALL BE GFCI TYPE RECEPTACLES. IN ALL OTHER SPACES, 120V, 15A AND 20A RECEPTACLES WITHIN 6" OF SINKS OR FAUCETS SHALL BE GFCI TYPE RECEPTACLES.

2022 ENERGY CODE COMPLIANCE

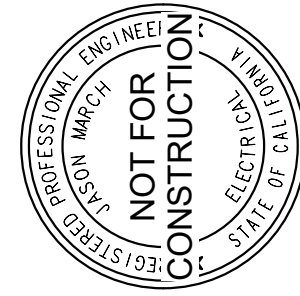
THE POWER DISTRIBUTION SYSTEM AND LIGHTING SYSTEM FOR THIS BUILDING SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE 2022 CALIFORNIA ENERGY EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS. PROVIDE ALL REQUIRED COMPLIANCE FORMS.

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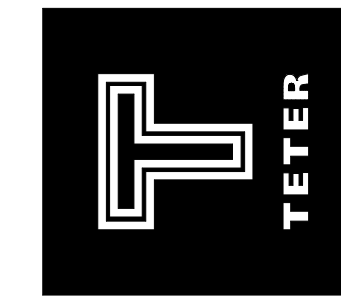
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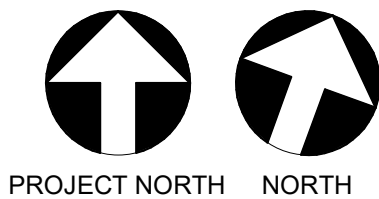
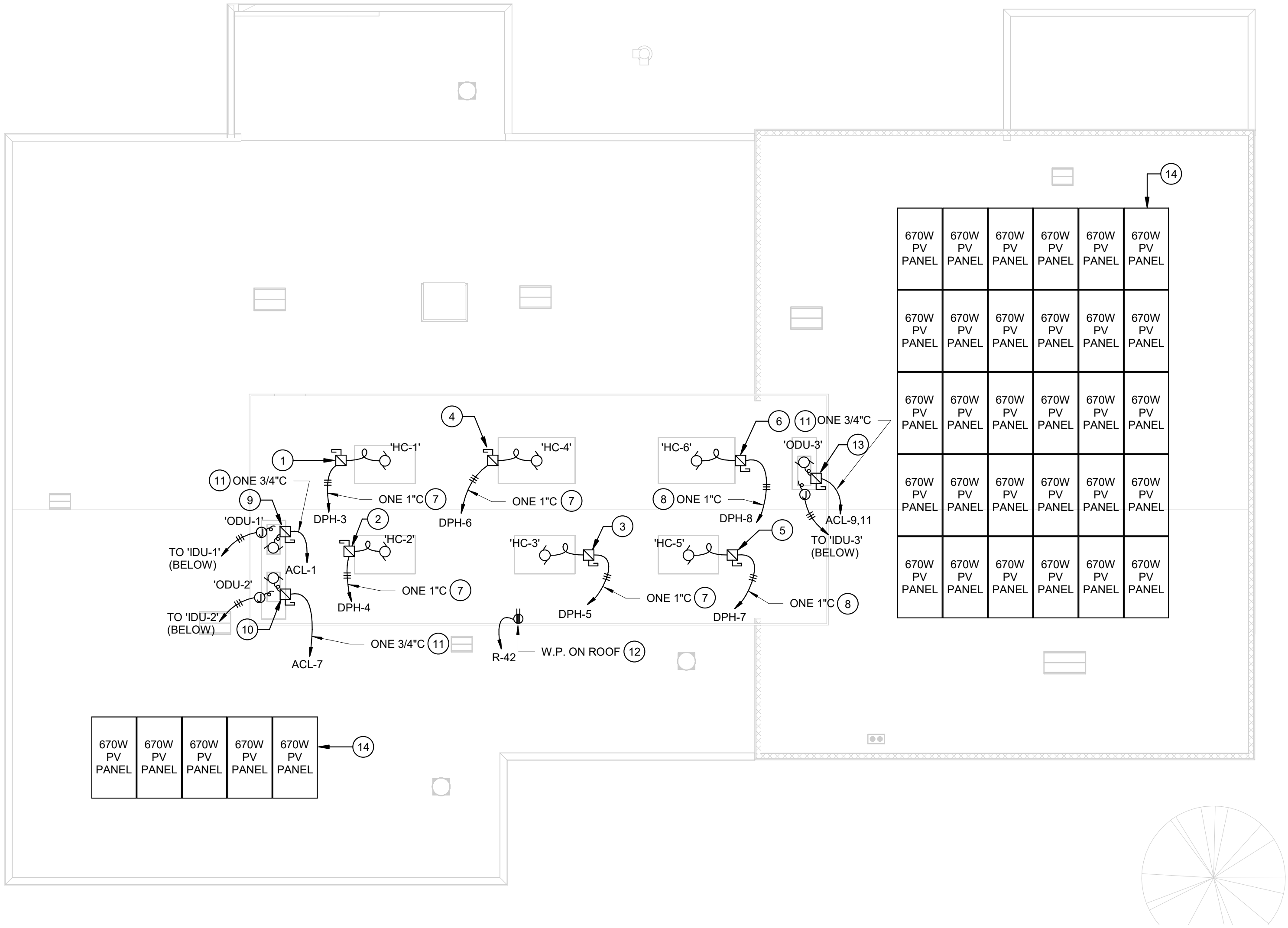
DRAWING TITLE
POWER PLAN

PROJECT NO.

22-12529.01

DRAWING

E210



1/8" = 1'-0"

8

KEYNOTES

- 1 PROVIDE HEAVY DUTY WEATHERPROOF 600V, 60A, 3-POLE FUSED DISCONNECT, AND CONNECTION FOR 480V, 3ø, 22 MCA, 25 MOC, 17.75 FLA, ROOF TOP HEATING COOLING UNIT 'HC-1'. PROVIDE WITH 25A FUSES.
- 2 PROVIDE HEAVY DUTY WEATHERPROOF 600V, 60A, 3-POLE FUSED DISCONNECT, AND CONNECTION FOR 480V, 3ø, 22 MCA, 25 MOC, 17.75 FLA, ROOF TOP HEATING COOLING UNIT 'HC-2'. PROVIDE WITH 25A FUSES.
- 3 PROVIDE HEAVY DUTY WEATHERPROOF 600V, 60A, 3-POLE FUSED DISCONNECT, AND CONNECTION FOR 480V, 3ø, 22 MCA, 25 MOC, 17.75 FLA, ROOF TOP HEATING COOLING UNIT 'HC-3'. PROVIDE WITH 25A FUSES.
- 4 PROVIDE HEAVY DUTY WEATHERPROOF 600V, 60A, 3-POLE FUSED DISCONNECT, AND CONNECTION FOR 480V, 3ø, 22 MCA, 25 MOC, 17.75 FLA, ROOF TOP HEATING COOLING UNIT 'HC-4'. PROVIDE WITH 25A FUSES.
- 5 PROVIDE HEAVY DUTY WEATHERPROOF 600V, 60A, 3-POLE FUSED DISCONNECT, AND CONNECTION FOR 480V, 3ø, 22 MCA, 25 MOC, 17.75 FLA, ROOF TOP HEATING COOLING UNIT 'HC-5'. PROVIDE WITH 25A FUSES.
- 6 PROVIDE HEAVY DUTY WEATHERPROOF 600V, 60A, 3-POLE FUSED DISCONNECT, AND CONNECTION FOR 480V, 3ø, 22 MCA, 25 MOC, 17.75 FLA, ROOF TOP HEATING COOLING UNIT 'HC-6'. PROVIDE WITH 25A FUSES.
- 7 ONE 1" - 3/8 CU THWN + 1 #10 CU GND.
- 8 ONE 1" - 3/8 CU THWN + 1 #8 CU GND.
- 9 PROVIDE HEAVY DUTY WEATHERPROOF 250V, 60A, 2-POLE FUSED DISCONNECT, AND PROVIDE CONNECTION FOR 208V, 1ø, 19 MCA, 26 MOC, 7.4 FLA, OUTDOOR UNIT 'ODU-1'. PROVIDE WITH 30A FUSES.
- 10 PROVIDE HEAVY DUTY WEATHERPROOF 250V, 60A, 2-POLE FUSED DISCONNECT, AND PROVIDE CONNECTION FOR 208V, 1ø, 19 MCA, 26 MOC, 7.4 FLA, OUTDOOR UNIT 'ODU-2'. PROVIDE WITH 30A FUSES.
- 11 ONE 3/4" - 2 #10 CU THWN + 1 #10 CU GND.
- 12 PROVIDE WEATHERPROOF GFCI RECEPTACLE ON ROOF WITH LOCKABLE "IN-USE" COVER.
- 13 PROVIDE HEAVY DUTY WEATHERPROOF 250V, 60A, 2-POLE FUSED DISCONNECT, AND PROVIDE CONNECTION FOR 208V, 1ø, 19 MCA, 26 MOC, 7.4 FLA, OUTDOOR UNIT 'ODU-3'. PROVIDE WITH 30A FUSES.
- 14 PROVIDE ROOF TOP MOUNTED 22.8kWdc, MINIMUM, SOLAR ELECTRIC PV SYSTEM AS REQUIRED PER 2022 CALIFORNIA ENERGY CODE, SECTION 140.10(a). PROVIDE POWER CONNECTION PER SINGLE LINE DIAGRAM.

SOLAR PV SYSTEM ELECTRICAL SPECIRICATIONS

MODULE

(35) 670W PHOTOVOLTAIC MODULE	
STC POWER RATING:	670W
PTC POWER RATING:	502W
SHORT CIRCUIT CURRENT (A)	18.55A
OPEN CIRCUIT VOLTAGE (V)	45.8V
MAX. POWER POINT CURRENT (A)	17.32A
MAX. POWER POINT VOLTAGE (V)	38.7V
MAX. SERIES FUSE RATING (A)	35A

ENVIRONMENTAL DESIGN CONDITIONS

RECORD HIGH TEMPERATURE (°F)	118°F
RECORD LOW TEMPERATURE (°F)	13°F

SYSTEM SIZE

23.45 kW _{PVDC} (STC)	17.57 kW _{AC} (CEC)
--------------------------------	------------------------------

INVERTER 1

(1) 25kW INVERTER	
OPERATING VOLTAGE (V)	480V
OPERATING CURRENT @ 480V (A)	30.5A

PHOTOVOLTAIC ARRANGEMENT

NUMBER OF MODULES	35
MODULES PER STRING	15 OR 5
NUMBER OF STRINGS	3

GENERAL NOTES

- CONDUIT AND CONDUCTORS SHALL BE CONCEALED, U.O.N.
- PENETRATIONS THROUGH WALLS, CEILINGS, FLOORS, AND/OR ROOFS SHALL BE SEALED.

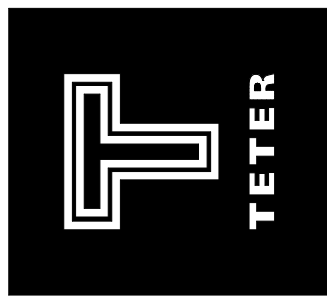
2022 ENERGY CODE COMPLIANCE

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DRAWING TITLE

POWER PLAN - ROOF

PROJECT NO.

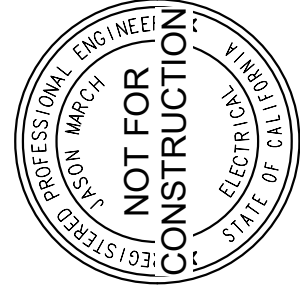
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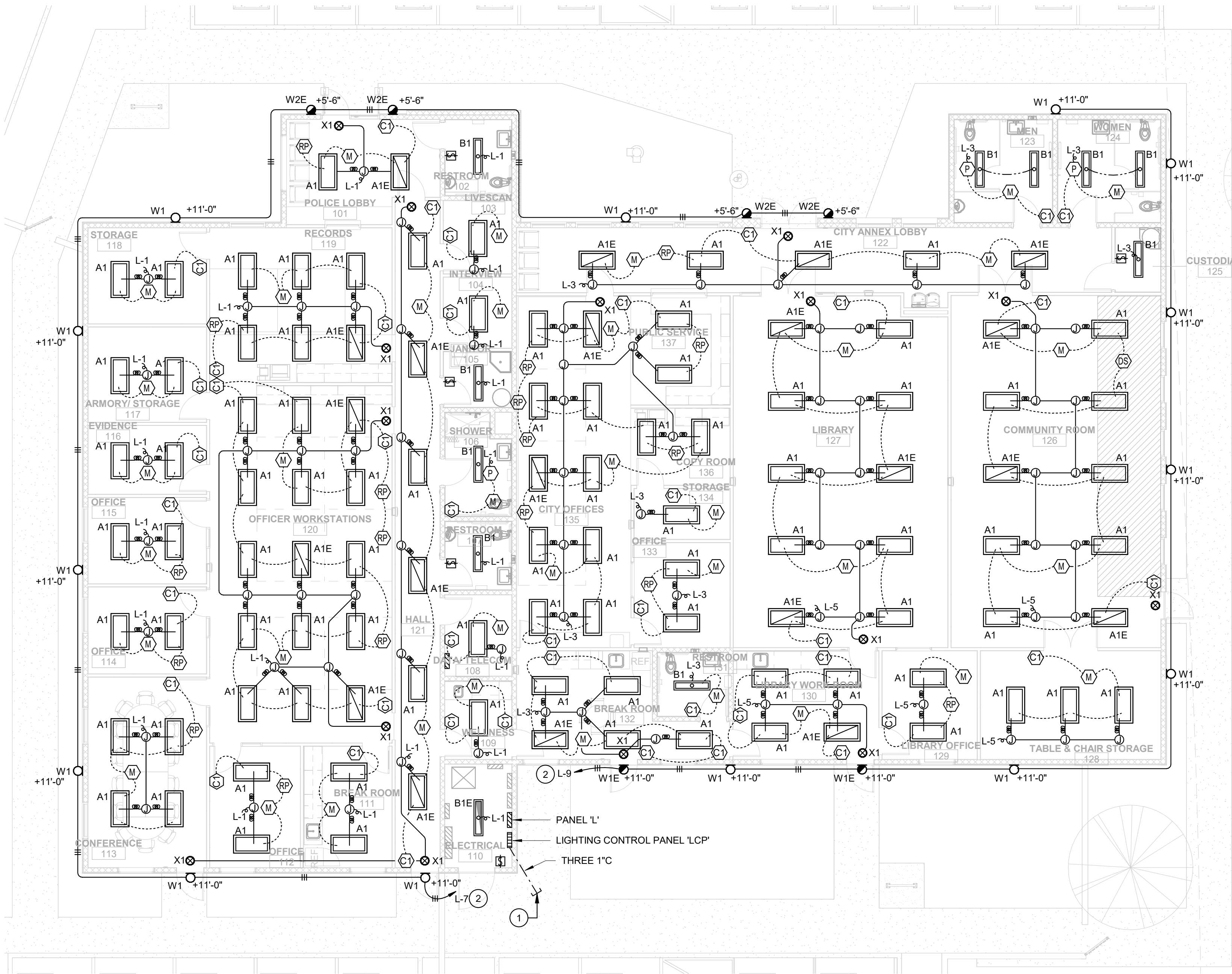
DRAWING

E220

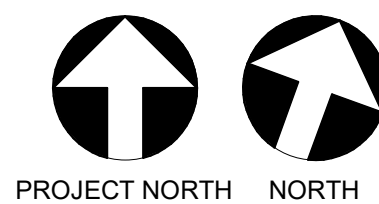
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LIGHTING PLAN



1/8" = 1'-0" 8

KEYNOTES

- 1 PROVIDE THREE 1" C STUBBED OUT FROM BUILDING FOR CONTINUATION BY SITE CONTRACTOR FOR SITE LIGHTING.
- 2 ROUTE BUILDING EXTERIOR LIGHTING THROUGH LIGHTING CONTROL PANEL 'LCP'

LIGHTING WIRING LEGEND

LIGHTING BRANCH CIRCUIT IN EMT CONDUIT CONSISTING OF THE FOLLOWING BRANCH CIRCUIT CONDUCTORS:

1. HOT - 1#12 CU THHN (BROWN, ORANGE OR YELLOW)
2. NEUTRAL - 1#12 CU THHN (WHITE WITH COLORED STRIPE)
3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)

CLASS 2 CATEGORY 5E PLENUM RATED CABLE GREEN IN COLOR WITH RJ45 CONNECTORS ON EACH END:

TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:

1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
2. UNSWITCHED HOT - 1#12 CU THHN (ORANGE)
3. NEUTRAL - 1#12 CU THHN (GREY)
4. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
5. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)

TYPE MC-PCS MC LUMINARY CABLE CONSISTING OF THE FOLLOWING CIRCUIT CONDUCTORS:

1. CONTROLLED HOT - 1#12 CU THHN (BROWN)
2. NEUTRAL - 1#12 CU THHN (GREY)
3. EQUIPMENT GROUNDING - 1#12 CU THHN (GREEN)
4. 0-10VDC CONTROL: PVC JACKET CONTAINING 2#16 CU TFN (PURPLE & GRAY)

LIGHTING SYMBOL LEGEND

- PRIMARY SIDELIT ZONE:
- (M) NETWORK CEILING MOUNTED OCCUPANCY SENSOR
 - (C1) SINGLE-ZONE NETWORK DIMMING MANUAL CONTROL STATION AT +48" TO TOP OF OUTLET BOX
 - (DS) NETWORK DAYLIGHTING SENSOR WITHIN DAYLIT ZONE
 - (P) NETWORK DIMMING CONTROL RELAY
 - (RP) NETWORK PLUG LOAD CONTROLLER RELAY
 - (S) WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR AT +48" TO TOP OF OUTLET BOX

GENERAL NOTES

- A. CIRCUITS SUPPLYING EMERGENCY LIGHTING FIXTURES SHALL BE SUPPLIED BY A CONTROLLED HOT CONDUCTOR AND A CONSTANT HOT CONDUCTOR OF THE SAME BRANCH CIRCUIT.
- B. EXIT SIGNAGE AND WALL MOUNTED EMERGENCY LIGHTING UNITS SHALL BE SUPPLIED BY AN UNSWITCHED HOT CONDUCTOR.
- C. NETWORK DAYLIGHT SENSORS FOR AUTOMATIC DIMMING WITHIN A DAYLIT ZONE SHALL BE CALIBRATED SUCH THAT LIGHTING POWER FOR THE LIGHTING FIXTURES WITHIN THAT DAYLIT ZONE SHALL BE REDUCED BY 65% WHEN DAYLIT ILLUMINANCE IS 150% OF ILLUMINANCE RECEIVED FROM THE GENERAL LIGHTING SYSTEM AT FULL POWER.
- D. LIGHTING CONTROLS SHALL BE DEMAND RESPONSIVE AND SHALL AUTOMATICALLY REDUCE BUILDING LIGHTING POWER DEMAND BY 15% IN RESPONSE TO A DEMAND RESPONSE SIGNAL PER 2016 CA ENERGY CODE SECTION 130.1 (e).

2022 ENERGY CODE COMPLIANCE

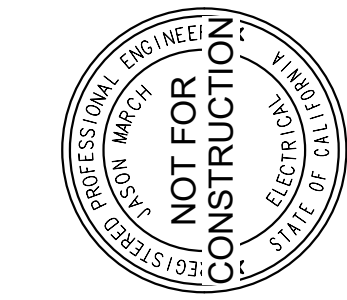
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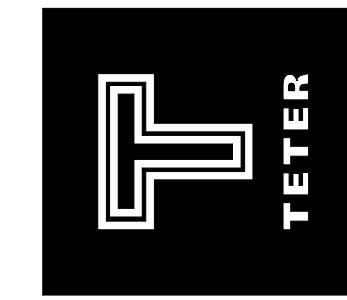
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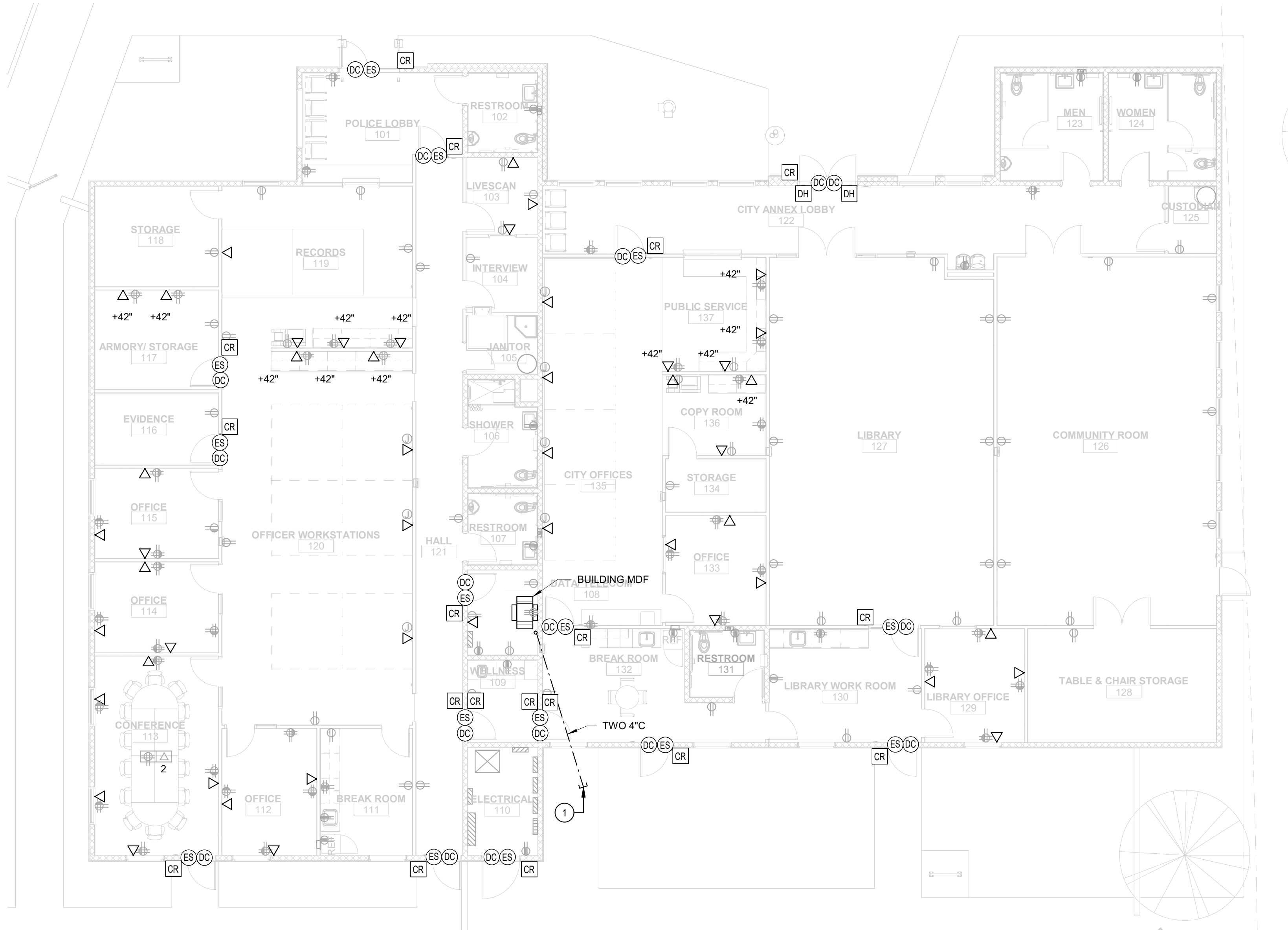
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LIGHTING PLAN

PROJECT NO.

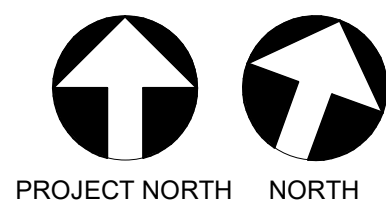
22-12529.01

DRAWING

E310



SIGNAL PLAN



1/8" = 1'-0" 8

KEYNOTES

- 1 PROVIDE TWO 4" C STUBBED OUT FROM BUILDING FOR CONTINUATION BY SITE CONTRACTOR.

TELECOMMUNICATION PATHWAY NOTES

- A. CONDUIT AND CABLES FOR TELECOMMUNICATION OUTLETS SHALL BE CONCEALED WITHIN WALLS AND ABOVE CEILINGS.
- B. TELECOMMUNICATION OUTLET BOXES SHALL BE 5" SQUARE BY 2-7/8" DEEP WITH A SINGLE-GANG BOX EXTENSION THAT IS MOUNTED FLUSH WITH THE FINISHED WALL.
- C. PROVIDE ONE 1" C STUBBED FROM EACH TELECOMMUNICATION OUTLET BOX INTO THE ACCESSIBLE ATTIC SPACE TO FACILITATE TELECOMMUNICATION CABLE INSTALLATION.
- D. PROVIDE THREADED SET SCREW CONNECTORS WITH POLYPROPYLENE BUSHINGS AT EACH END OF CONDUIT SYSTEMS USED FOR TELECOMMUNICATION CABLE INSTALLATION. BUSHINGS SHALL BE INSTALLED AND INSPECTED PRIOR TO CABLE INSTALLATION.

SECURITY AND ACCESS ROUGH-IN NOTES

- A. SECURITY AND ACCESS SYSTEM ROUGH-IN REQUIREMENTS:
- a. AT DOOR CONTACT LOCATIONS - DRILL 1/2" HOLE IN STRIKE SIDE OF DOOR FRAME AND THROUGH HEADER, INSTALL A PULL WIRE BETWEEN OPENING IN DOOR FRAME AND ACCESSIBLE ATTIC.
- b. AT CARD READER LOCATIONS - INSTALL A SINGLE-GANG OUTLET BOX WITH A SINGLE-GANG TRIM-RING IN WALL AT 48" A.F.F. TO TOP OF BOX. INSTALL ONE 3/4" C INTO ACCESSIBLE ATTIC SPACE. INSTALL A PULL WIRE BETWEEN OUTLET BOX AND ACCESSIBLE ATTIC.
- c. AT ELECTRIC STRIKE LOCATIONS - DRILL 1/2" HOLE AT DOOR STRIKE AND ROUTE FLEXIBLE CONDUIT THROUGH HEADER. INSTALL A PULL WIRE BETWEEN DOOR STRIKE AND ACCESSIBLE ATTIC.
- d. AT MAGNETIC DOOR HOLDER LOCATIONS - DRILL 1/2" HOLE IN DOOR FRAME AND THROUGH HEADER. INSTALL A PULL WIRE BETWEEN OPENING IN DOOR FRAME AND ACCESSIBLE ATTIC.

2022 ENERGY CODE COMPLIANCE

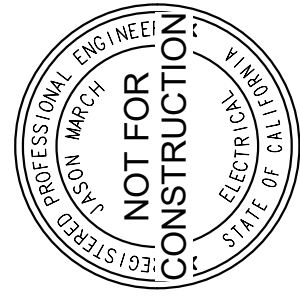
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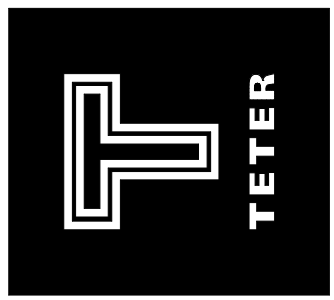
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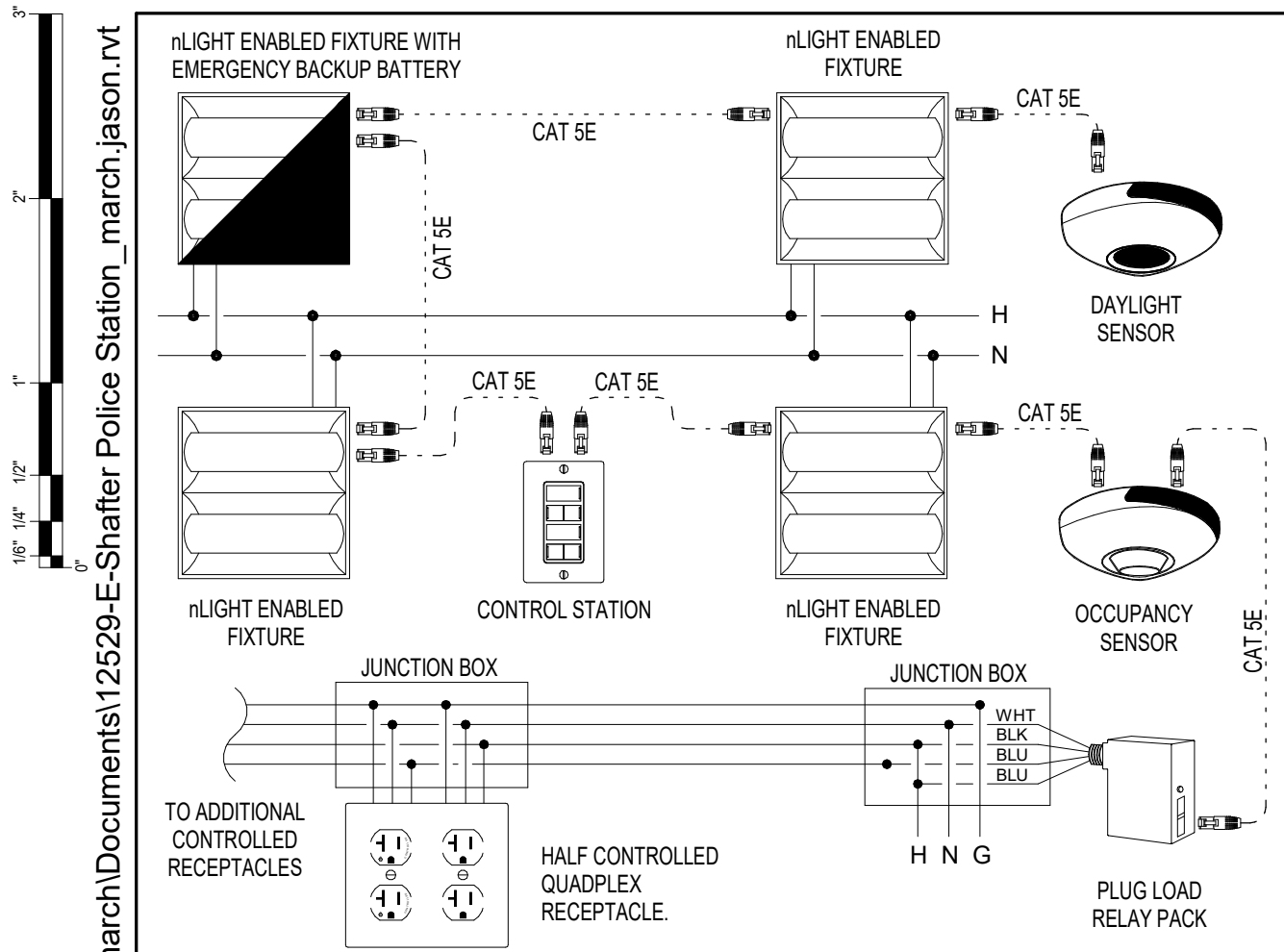
SIGNAL PLAN

PROJECT NO.

22-12529.01

DRAWING

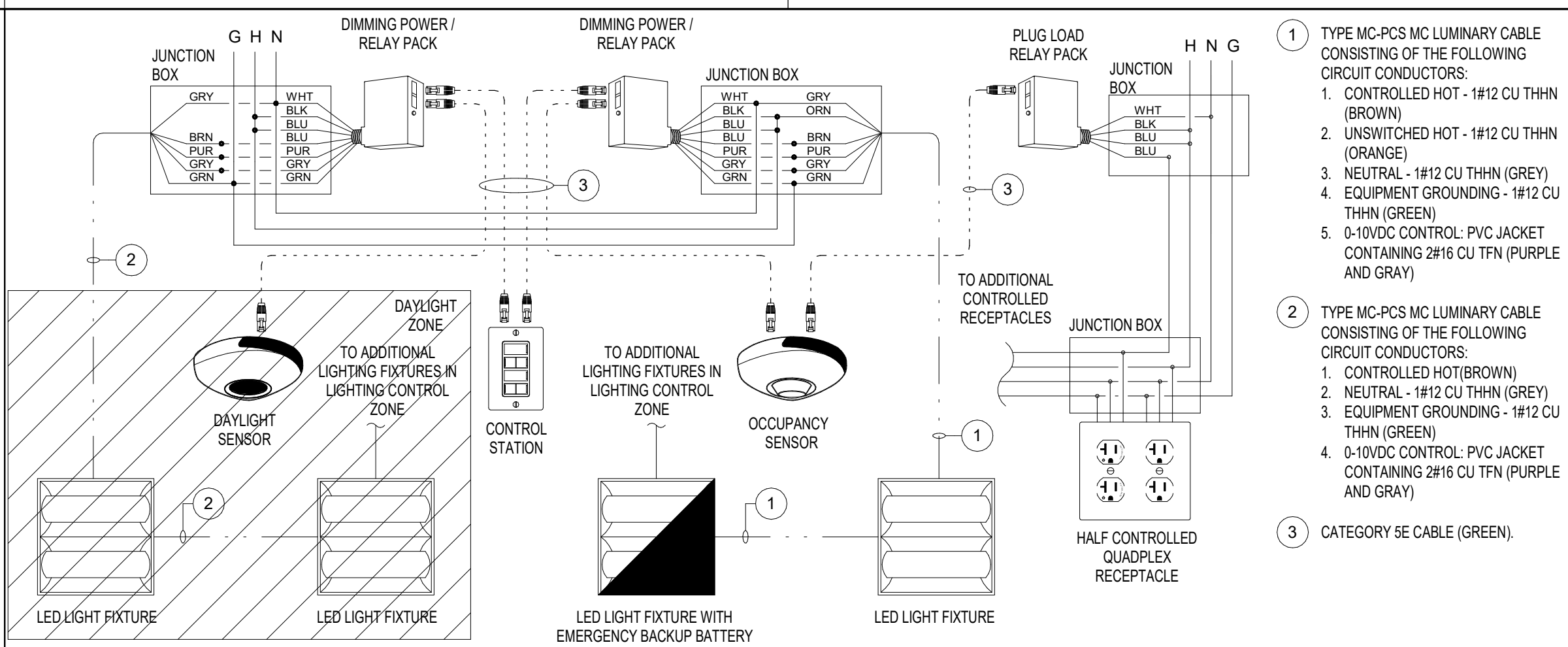
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LIGHTING CONTROLS - nLIGHT

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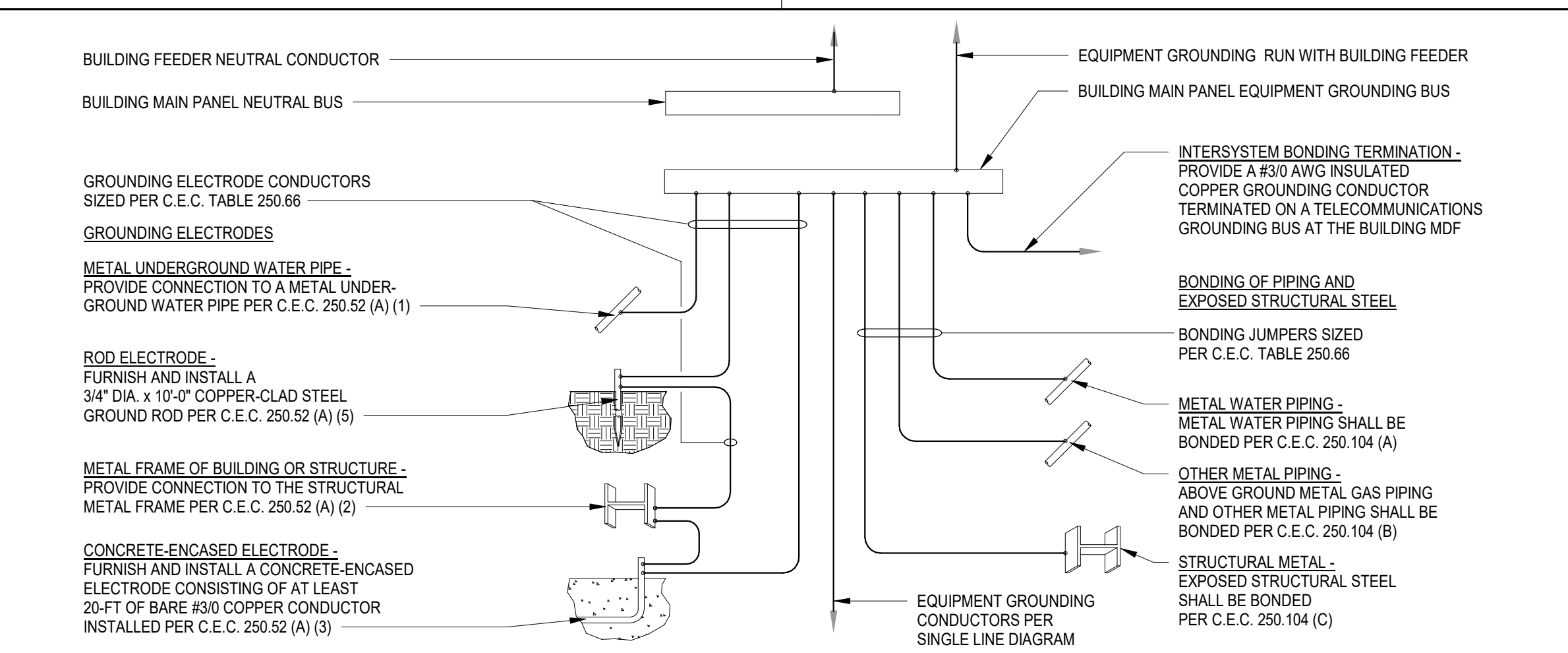
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LIGHTING CONTROLS - 0-10V DIMMING

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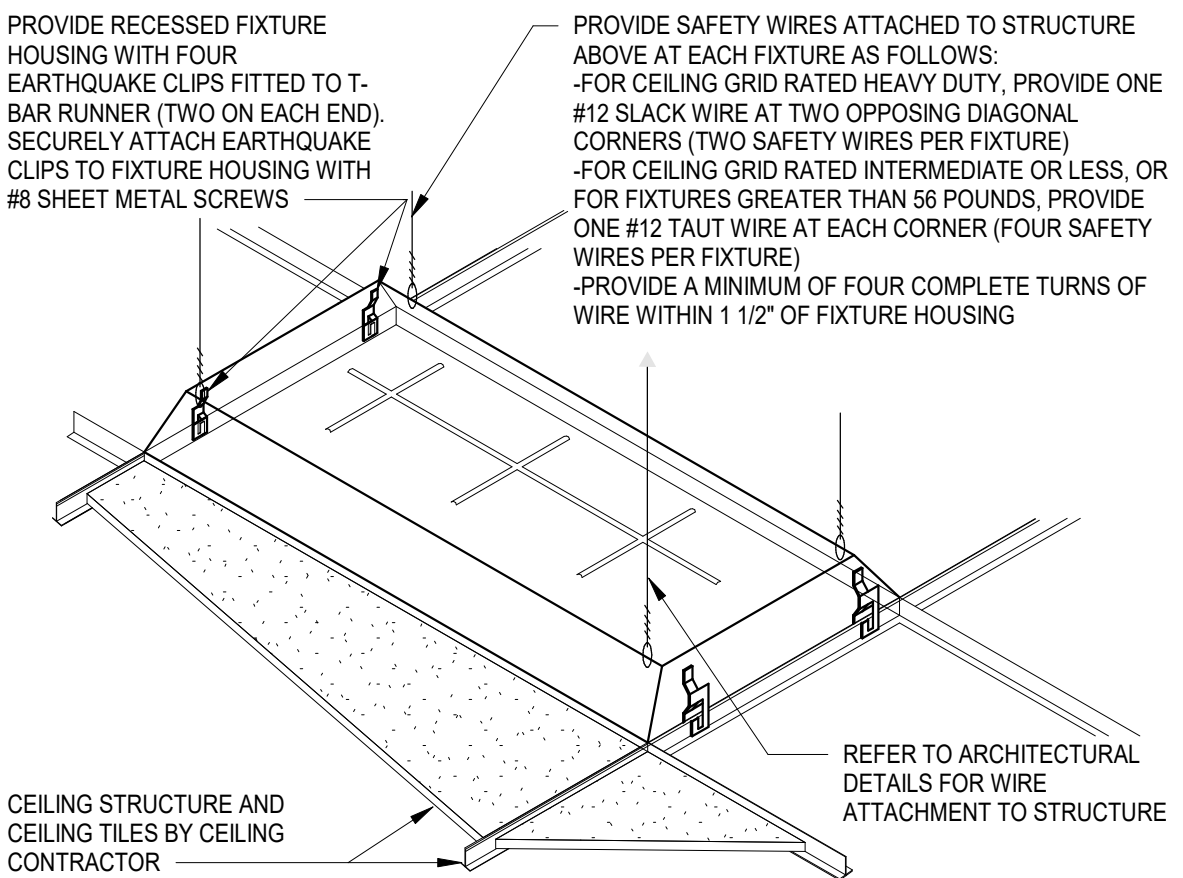
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REMOTE BUILDING GROUNDING ELECTRODE SYSTEM

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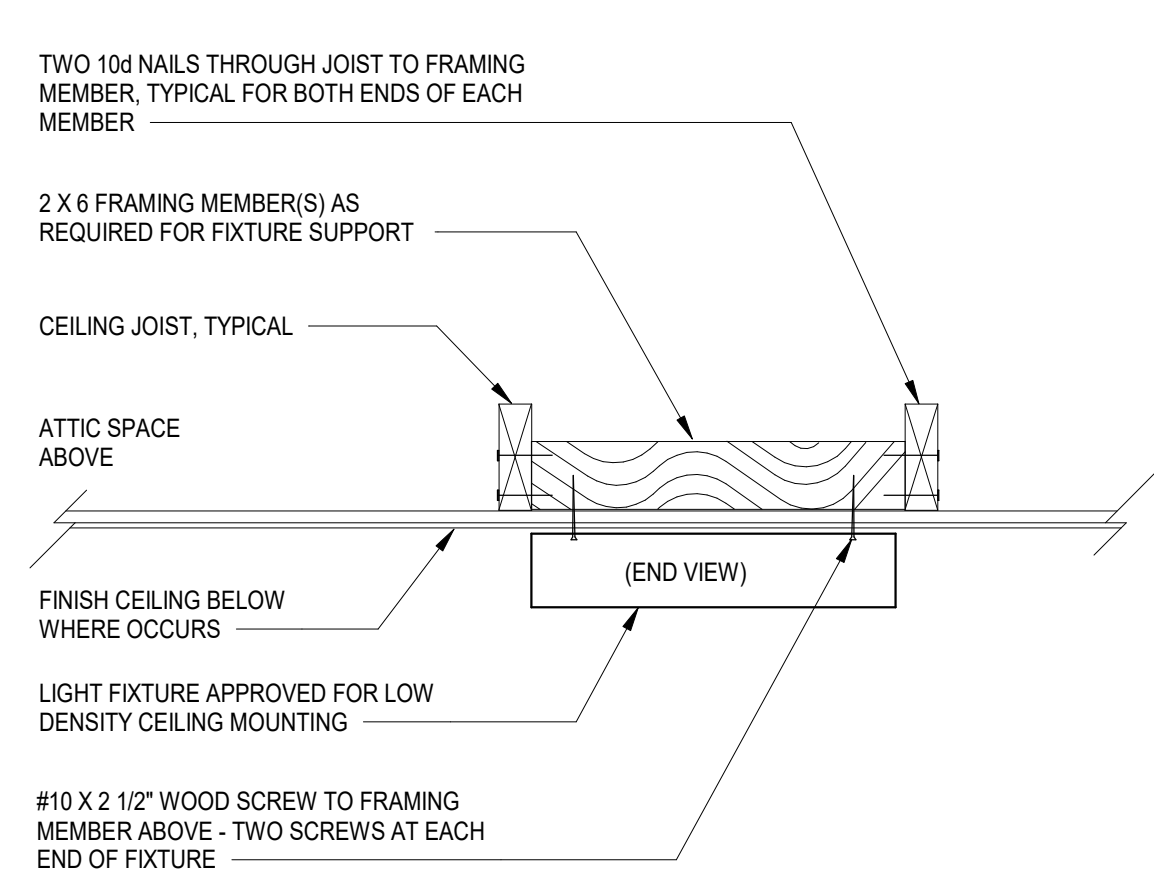
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RECESSED FIXTURE MOUNTING

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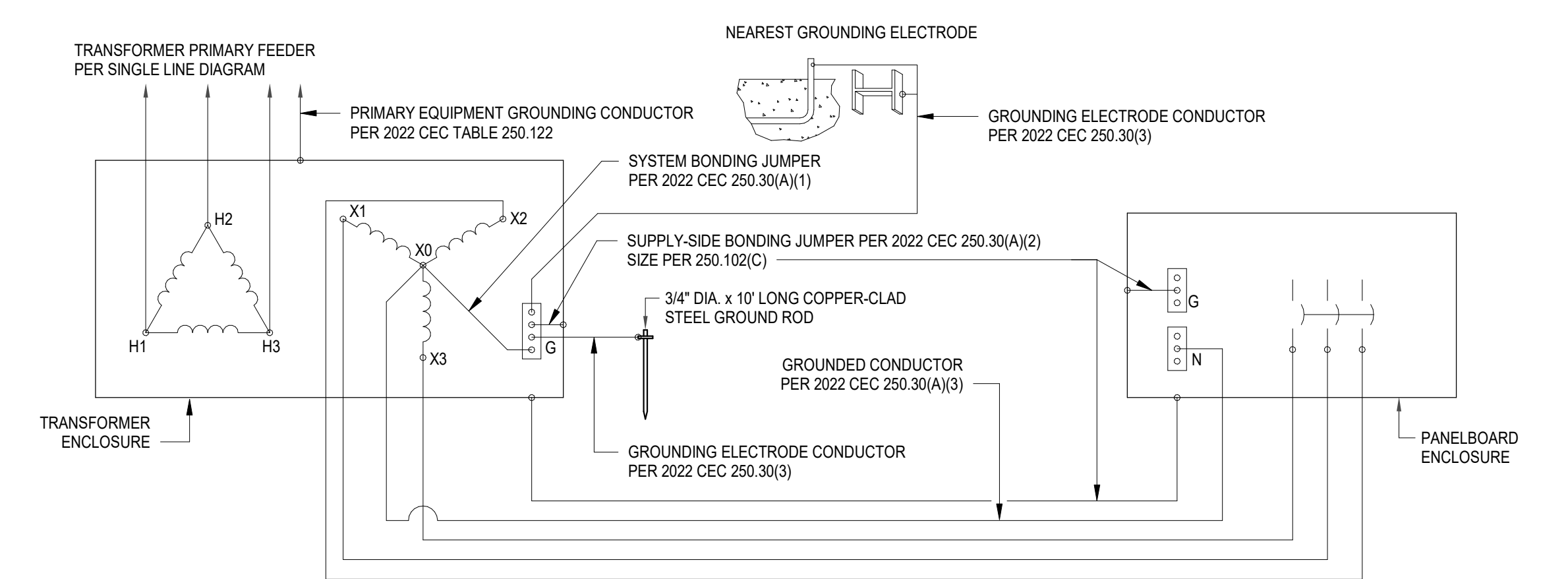
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SURFACE FIXTURE MOUNTING

N.T.S.

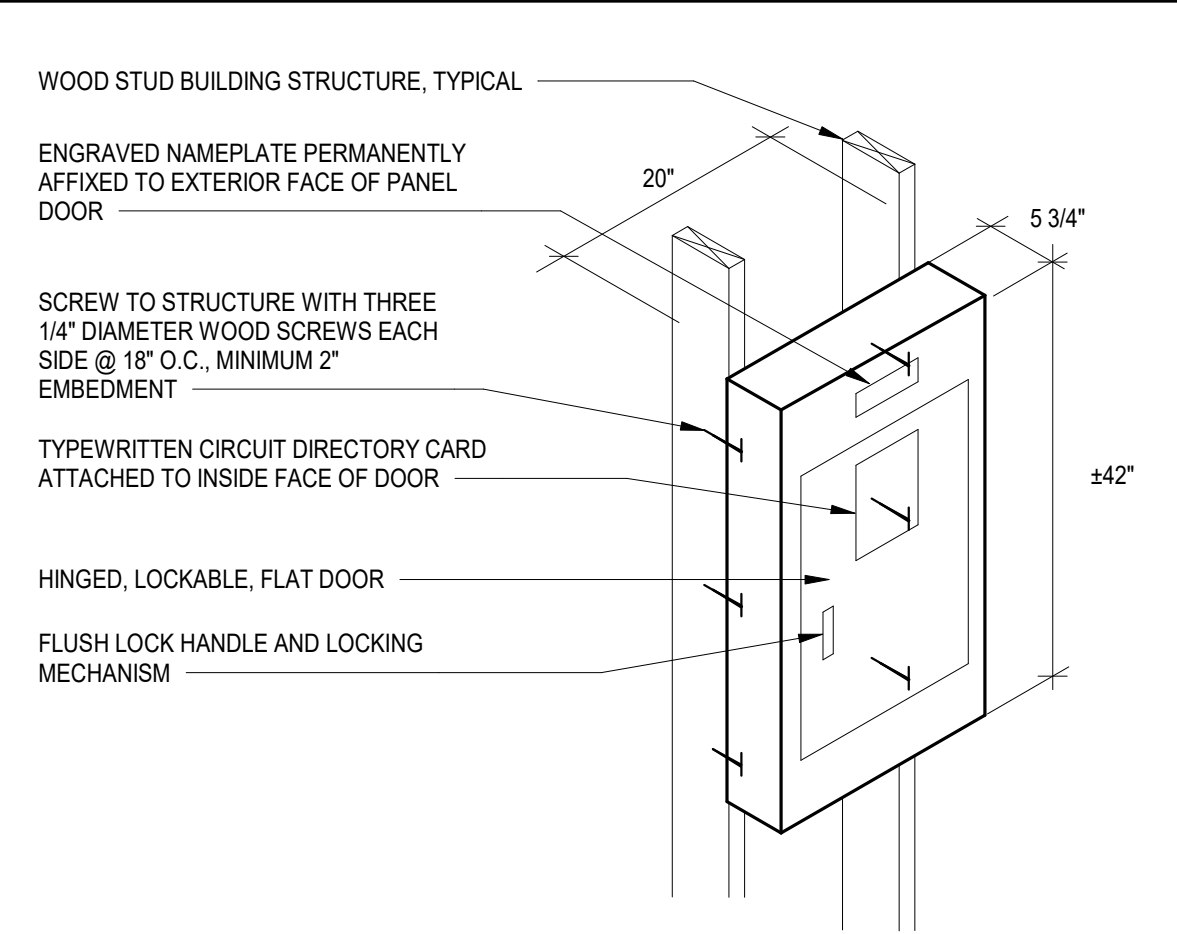
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TRANSFORMER GROUNDING ELECTRODE SYSTEM

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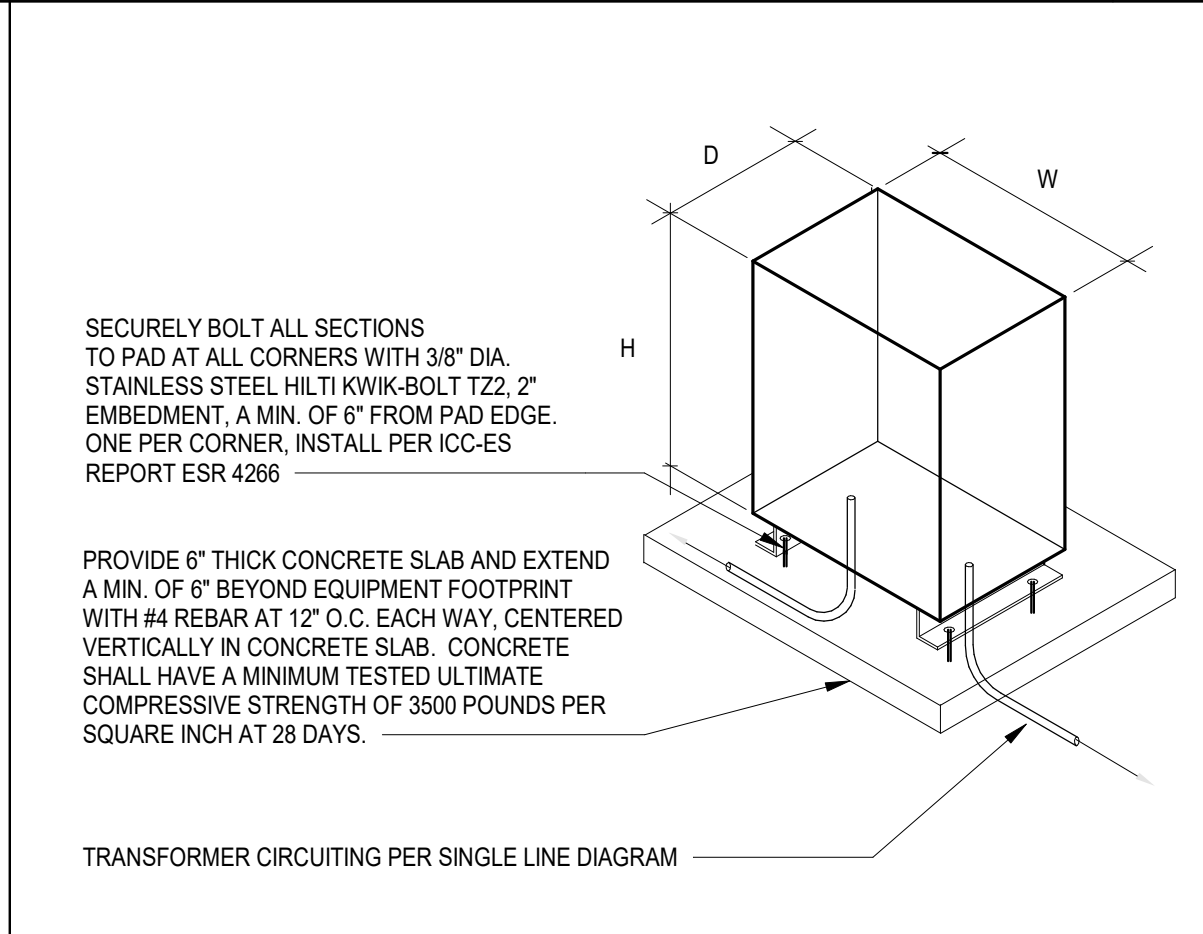
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SURFACE PANEL MOUNTING

N.T.S.

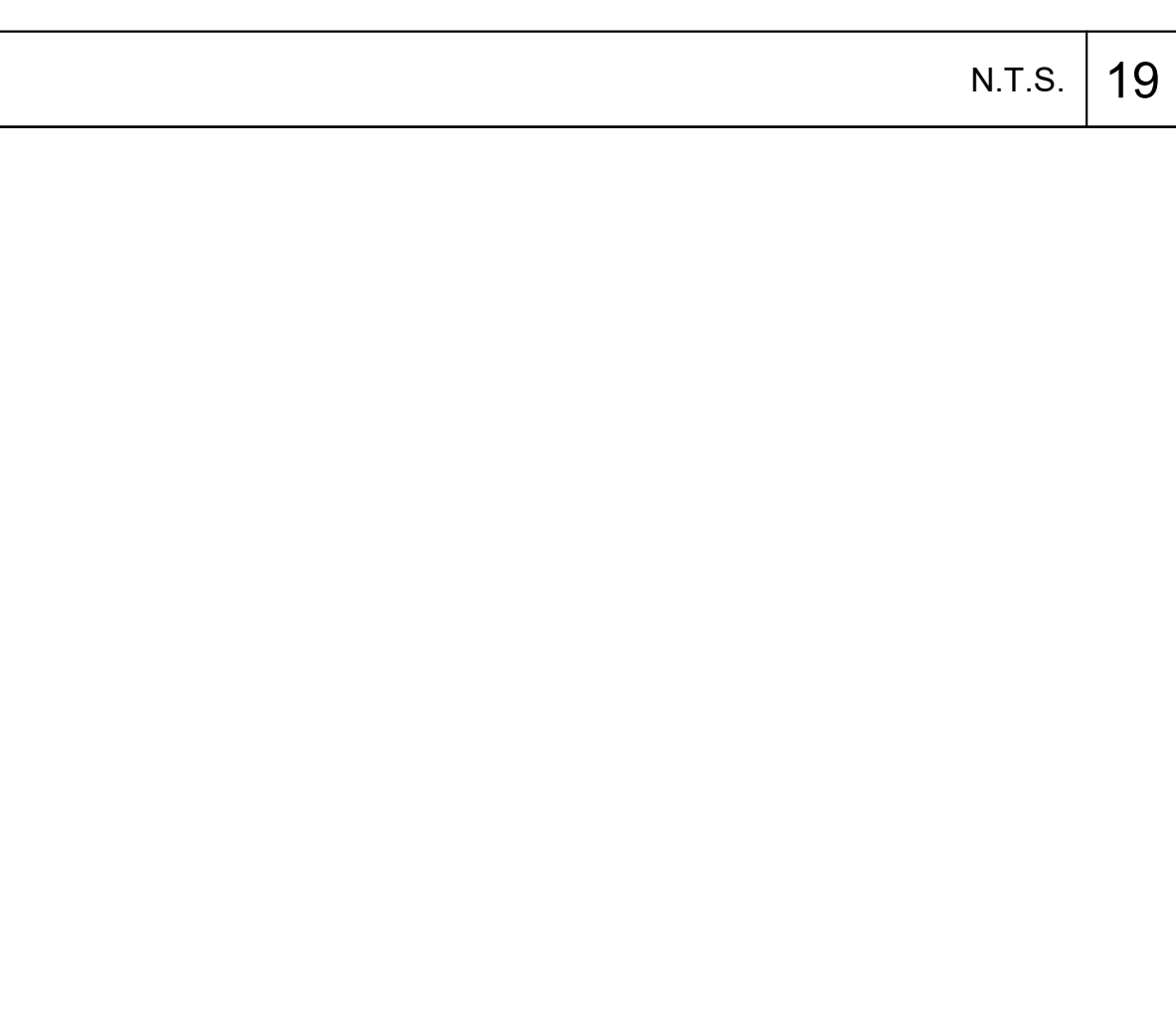
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SLAB MOUNTED TRANSFORMER

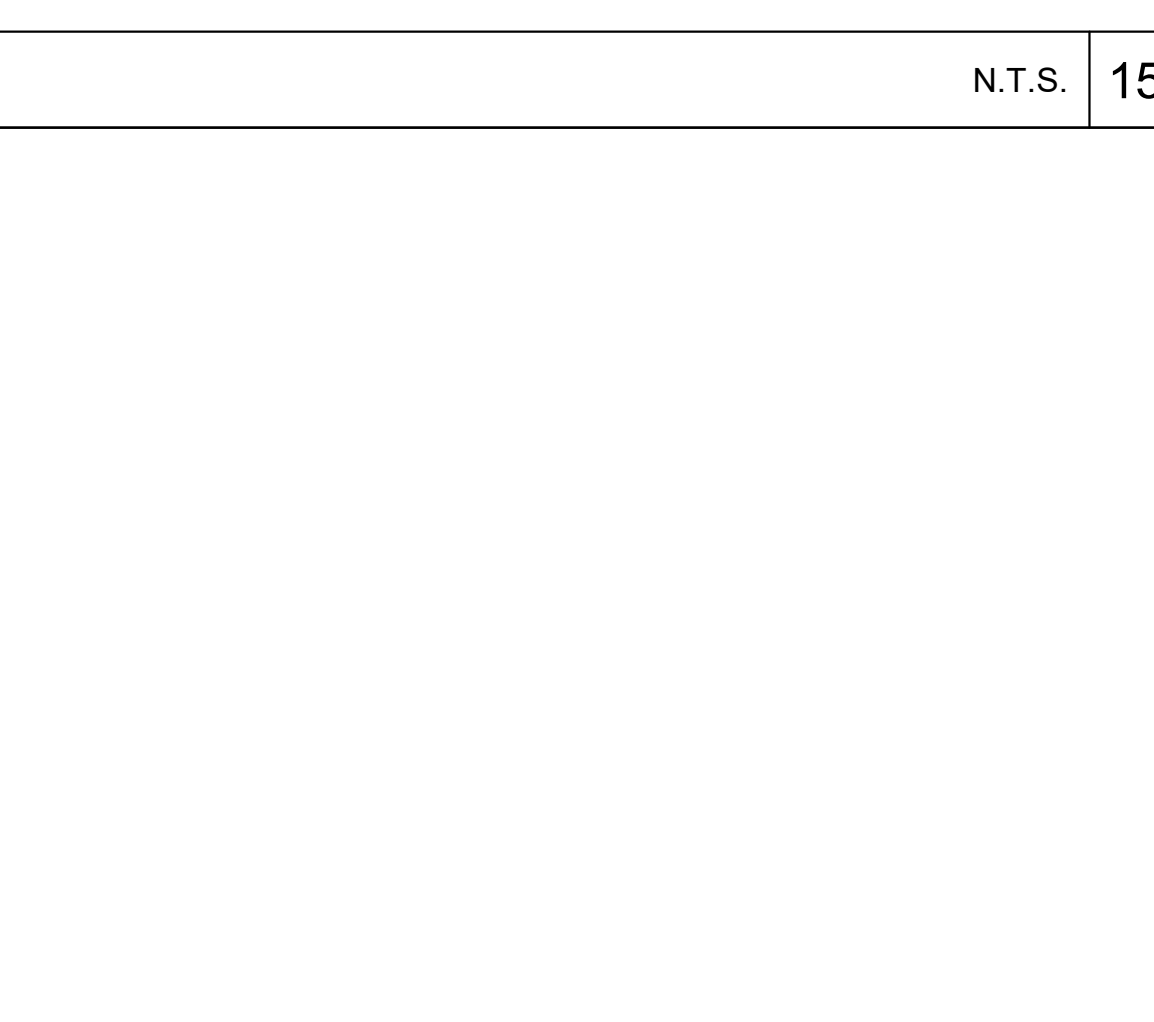
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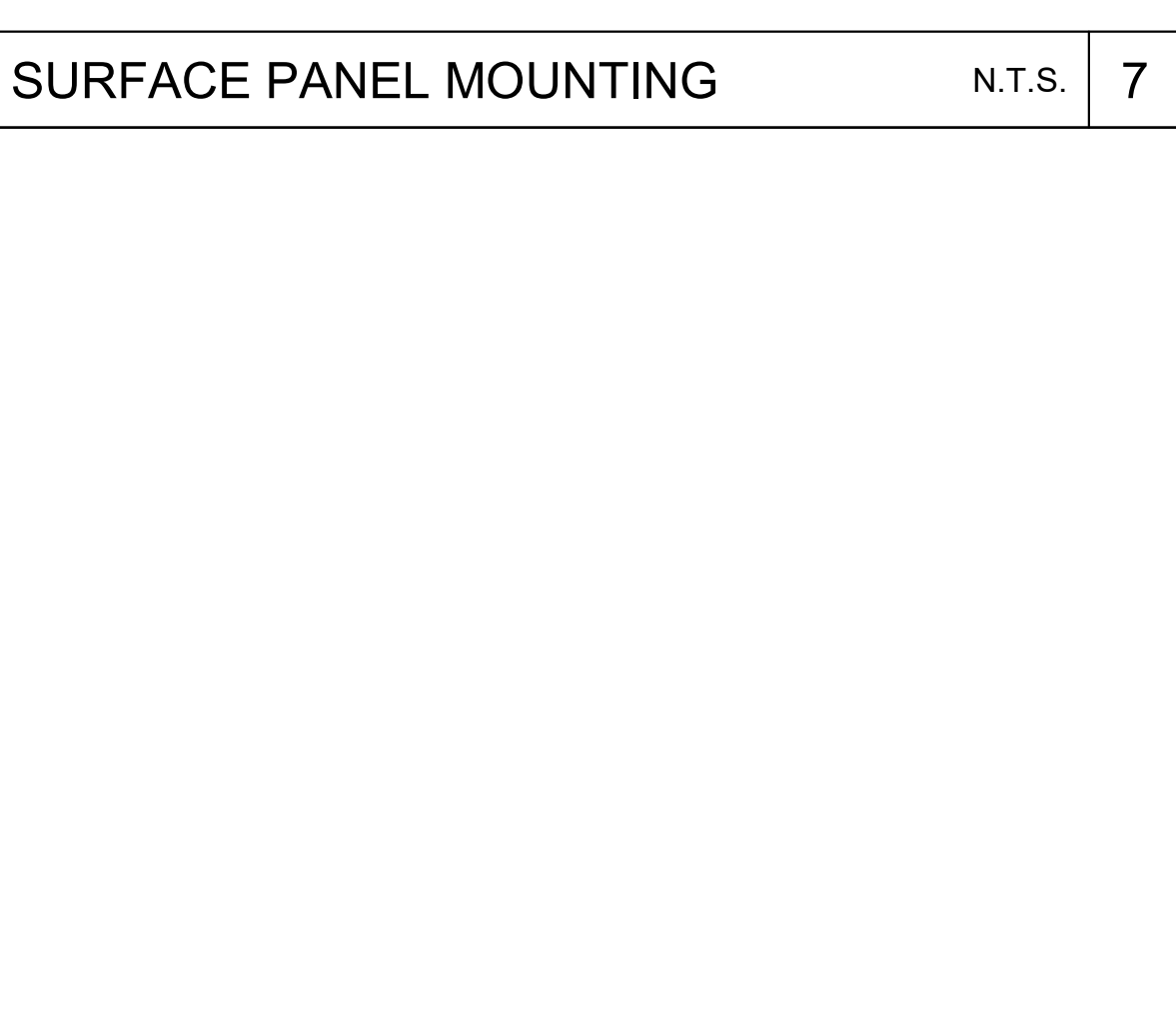
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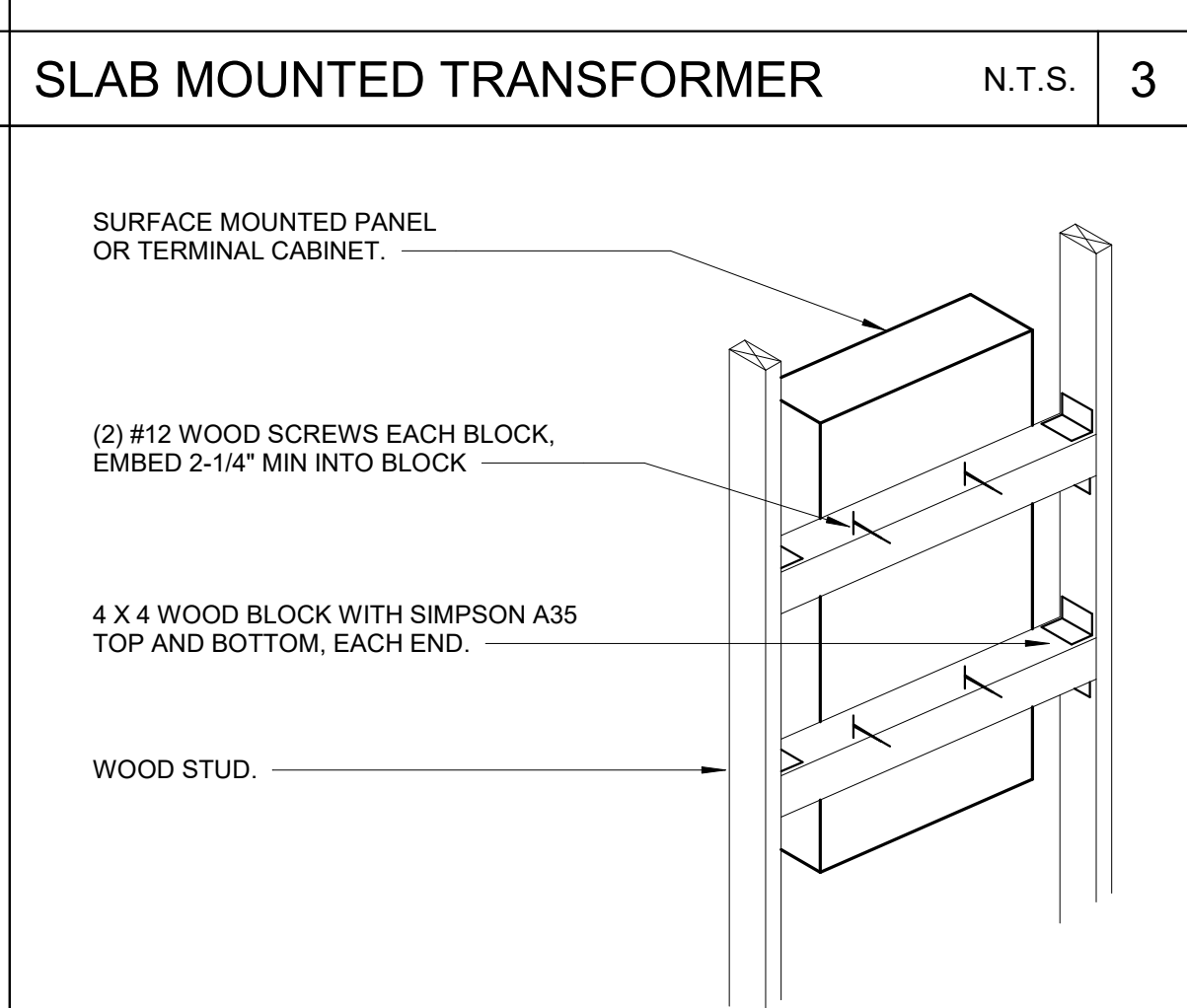
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N.T.S.

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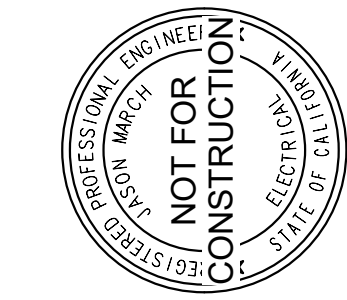


SURFACE PANEL MOUNTING

N.T.S.

4

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DRAWING TITLE
ELECTRICAL DETAILS

PROJECT NO.
22-12529.01
DRAWING

E600



N.T.S.

GENERAL NOTES

- 1 SYSTEM GROUND PER SITE ELECTRICAL CONTRACTOR
- 2 TRANSFORMER GROUND PER DETAIL 2/E600.
- 3 PROVIDE REMOTE BUILDING GROUNDING ELECTRODE SYSTEM PER DETAIL 1/E600.
- 4 STANDBY GENERATOR AND AUTOMATIC TRANSFER SWITCH PROVIDED BY SITE ELECTRICAL CONTRACTOR.
- 5 TRANSFORMER AND PANEL PROVIDED BY SITE ELECTRICAL CONTRACTOR.
- 6 ROOFTOP MOUNTED SOLAR PV SYSTEM PROVIDED BY MODULAR MANUFACTURER.
- 7 MAIN SWITCHBOARD 'MSB' PROVIDED BY SITE ELECTRICAL CONTRACTOR.
- 8 BATTERY ENERGY STORAGE SYSTEM PROVIDED BY MODULAR MANUFACTURER.
- 9 COLLECTOR PANEL, CONDUIT, AND FEEDERS TO BATTERY ENERGY STORAGE SYSTEM AND PANEL 'PV' PROVIDED BY MODULAR MANUFACTURER.
- 10 CONDUIT AND FEEDER TO MAIN SWITCHBOARD PROVIDED BY SITE ELECTRICAL CONTRACTOR.
- 11 POST STRUT MOUNT FOR COLLECTOR PANEL 'CP' PROVIDED BY SITE ELECTRICAL CONTRACTOR.

THE POWER DISTRIBUTION SYSTEM AND LIGHTING SYSTEM FOR THIS BUILDING SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE 2022 CALIFORNIA ENERGY EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS. PROVIDE ALL REQUIRED COMPLIANCE FORMS.

DRAWINGS REPRESENT BASIS OF DESIGN ONLY FOR MODULAR BUILDING AND
DO NOT CONSTITUTE COMPLETE CONSTRUCTION DOCUMENTS.



MEP COMPONENT ANCHORAGE NOTE	
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.	
1. ALL PERMANENT EQUIPMENT AND COMPONENTS.	
2. TEMPORARY OR MOVEABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.	
3. MOVEABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.	
THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND THE ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.	
A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.	
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.	
FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE AUTHORITY HAVING JURISDICTION. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.	
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:	
PIPING, DUCTWORK, AND ELECTRICAL SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.7, 13.6.8, 13.6.9, AND 2019 CBC, SECTIONS 1617A.1.23, 1617A.1.24, 1617A.1.25, AND 1617A.1.26.	
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.	
ELECTRICAL DISTRIBUTION SYSTEMS:	
SHALL COMPLY WITH THE OSHPD PRE-APPROVAL (OPM) #OPM-0052-13, "SEISMIC BRACING AND SUPPORT SYSTEMS"	
GENERAL NOTES	N.T.S. 20

LIGHTING FIXTURE SCHEDULE							
FIXTURE DESIGNATION	FIXTURE VOLTAGE	FIXTURE WATTAGE	MOUNTING	DRIVER & COLOR TEMP	DESCRIPTION	MANUFACTURER	CATALOG #
A1	277 V	47	RECESSED PER 18/E600	LED - 4000K	LOW PROFILE 2X4 RECESSED VOLUMETRIC TROFFER	LITHONIA	2BLT4-60L-ADPT-EZ1-LP840-N100
A1E	277 V	47	RECESSED PER 18/E600	LED - 4000K	LOW PROFILE 2X4 RECESSED VOLUMETRIC TROFFER WITH EMERGENCY BATTERY PACK	LITHONIA	2BLT4-60L-ADPT-EZ1-LP840-N100-E10WLCP
B1	277 V	45	SURFACE PER 14/E600	LED - 4000K	4FT VOLUMETRIC SURFACE WRAP	LITHONIA	STL4-48L-EZ1-LP840
B1E	277 V	45	SURFACE PER 14/E600	LED - 4000K	4FT VOLUMETRIC SURFACE WRAP WITH EMERGENCY BATTERY PACK	LITHONIA	STL4-48L-EZ1-LP840-E10WLCP
W1	277 V	32	WALL	LED - 4000K	ARCHITECTURAL LED WALL PACK	LITHONIA	WDGE2-LED-P3-40K-T2M-MVOLT-PIR-DBLXD
W1E	277 V	32	WALL	LED - 4000K	ARCHITECTURAL LED WALL PACK WITH EMERGENCY BATTERY PACK	LITHONIA	WDGE2-LED-P3-40K-T2M-MVOLT-E10WH-PIR-DBLXD
W2E	277 V	27	WALL	LED - 4000K	DECORATIVE LED WALL PACK AT MAIN ENTRY DOORS WITH EMERGENCY BATTERY PACK	LUMINAIRE	SPC8-60F3-24IN-NODIM-25W-40K-MVOLT-OP-BLK-EMB31 0-OCC
X1	277 V	5	SURFACE	NA	DIE CAST ALUMINUM LED EXIT LIGHT WITH EMERGENCY BATTERY PACK AND SELF-DIAGNOSTICS	LITHONIA	LE-S-1-G-ELN-SD

LIGHTING FIXTURE SCHEDULE

N.T.S.

9

TRANSFORMER SCHEDULE										
TRANSFORMER DESIGNATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	KVA RATING	SUPPLY-SIDE & SYSTEM BONDING JUMPER SIZES	ENCLOSURE	DIMENSIONS			XFMR WEIGHT	NOTES
						HEIGHT	WIDTH	DEPTH		
TDPL	480V DELTA	120/208V Y 3φ	112.5	#1/0 CU	NEMA 1	37.50"	31.31"	28.43"	974 LBS.	1, 2, 3

TRANSFORMER SCHEDULE NOTES:

1.

TRANSFORMER SHALL BE COMPLIANT WITH DOE 2016 ENERGY EFFICIENCY STANDARD.

2.

TRANSFORMER GROUND PER DETAIL 2/E600.

3.

MOUNT TRANSFORMER PER DETAIL 3/E600.

TRANSFORMER SCHEDULE

N.T.S.

10

CABLE SCHEDULE

N.T.S.

12

ELECTRICAL SYMBOL LEGEND			
DIMENSIONS INDICATED ARE MEASURED TO CENTERLINE OF ENCLOSURE, UNLESS OTHERWISE NOTED			
NOTE: SOME SYMBOLS SHOWN MAY NOT APPLY TO THIS PROJECT			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
E.P.	DENOTES EXPLOSION PROOF CONSTRUCTION	⌚ a	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
D.T.	DENOTES DUST TIGHT CONSTRUCTION	⌚ 2	TWO POLE AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
O.C.	DENOTES SPACING DIMENSION ON CENTER LINE OF DEVICE	⌚ 3	THREE WAY AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
R.T.	DENOTES RAIN TIGHT CONSTRUCTION	⌚ 4	FOUR WAY AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
U.G.	DENOTES UNDERGROUND INSTALLATION	⌚ M	HORSEPOWER RATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
V.P.	DENOTES VAPOR TIGHT CONSTRUCTION	⌚ P	SINGLE POLE AC SNAP SWITCH WITH PILOT LAMP @ +48" TO TOP OF BOX U.O.N.
W.P.	DENOTES WEATHERPROOF CONSTRUCTION	⌚ T	DIGITAL TIMER SWITCH, FLUSH MOUNTED @ +48" TO TOP OF BOX U.O.N.
W.T.	DENOTES WATER TIGHT CONSTRUCTION	⌚ A	SINGLE POLE AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
A.F.F.	DENOTES ABOVE FINISHED FLOOR	⌚ K	KEY OPERATED AC SNAP SWITCH @ +48" TO TOP OF BOX U.O.N.
A.F.G.	DENOTES ABOVE FINISHED GRADE	⌚ CS	SYSTEM CONTROL SWITCH PER PLANS, @ 48" TO TOP OF BOX U.O.N.
F.B.O.	DENOTES FURNISHED BY OTHERS	⌚ I	WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ +48" TO TOP OF BOX U.O.N.
U.O.N.	DENOTES UNLESS OTHERWISE NOTED	⌚ M	OCCUPANCY SENSOR - CEILING MOUNTED
(E)	DENOTES EXISTING TO REMAIN, NO WORK U.O.N.	⌚ W	OCCUPANCY SENSOR - WALL MOUNTED @ +90" TO TOP OF BOX U.O.N.
(N)	DENOTES NEW	⌚ P	LIGHTING CONTROL SYSTEM DIMMING POWER PACK MOUNTED IN ATTIC
①	ELECTRICAL KEYNOTES: DENOTES KEYNOTE #1 OF NOTES ON SAME SHEET	⌚ RP	LIGHTING CONTROL SYSTEM PLUG LOAD RELAY PACK MOUNTED IN ATTIC
A-3	CIRCUIT HOME RUN: DENOTES PANEL A, CKT. #3, - 3/4". MINIMUM, U.O.N.	⌚ CI	LIGHTING CONTROL SYSTEM 2-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX U.O.N.
(F1)	CIRCUIT FEEDER: DENOTES FEEDER 'F1' PER SYSTEM FEEDER SCHEDULE	⌚ C4	LIGHTING CONTROL SYSTEM 4-BUTTON DIMMING WALL SWITCH @ +48" TO TOP OF BOX U.O.N.
---	CONDUIT IN ATTIC WALL: DENOTES 3/4" 2#12 AWG CU THWN, 1#12 CU GND, U.O.N.	⌚ CI L	LIGHTING CONTROL SYSTEM DIMMING WALL SWITCH WITH LOCKING COVER @ +48" TO TOP OF BOX U.O.N.
--- -	CONDUIT IN FLOOR/UG: DENOTES 3/4" 2#12 AWG CU THWN, 1#12 CU GND, U.O.N.	⌚ OS	LIGHTING CONTROL SYSTEM DAYLIGHT SENSOR - CEILING MOUNTED
-- --	DENOTES EXISTING CONDUIT RUN TO REMAIN	⌚ NB	LIGHTING CONTROL SYSTEM NETWORK BRIDGE
---	CONDUIT RUN - STUBBED, CAPPED AND LABELED.	⌚ NG	LIGHTING CONTROL SYSTEM NETWORK GATEWAY
---H---	CONDUIT RUN: DENOTES 3/4" - 3 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	⌚ AD	LIGHTING CONTROL SYSTEM AUTOMATED DEMAND RESPONSE MODULE
---H+---	CONDUIT RUN: DENOTES 3/4" - 4 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	⌚ TC	LIGHTING CONTROL SYSTEM TIME CLOCK
---H+H---	CONDUIT RUN: DENOTES 3/4" - 5 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.	⌚ PC	PHOTOCELL CONTROL MOUNTED ON ROOF
---H+H+H---	CONDUIT RUN: DENOTES 1" - 6 #12 AWG CU THWN + 1 #12 CU GND, U.O.N.		
⌚ I	SEPARATE POWER AND DATA FLOOR BOXES (2)	⌚ T	LOW VOLTAGE CONTROL TRANSFORMER
⌚ I	FLUSH FLOOR BOX WITH DEVICE(S) INSTALLED PER PLANS, U.O.N. (2)		
⌚	TAMPER-RESISTANT SINGLE RECEPTACLE IN WALL @ +18", U.O.N.	⌚	ELECTRICAL PANELBOARD PER PLANS, FLUSH MOUNTED IN WALL (4)
⌚	TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL @ +18", U.O.N.	⌚	ELECTRICAL PANELBOARD PER PLANS, SURFACE MOUNTED ON WALL
⌚	TAMPER-RESISTANT DUPLEX GFI RECEPTACLE IN WALL @ 18", U.O.N.	⌚	TERMINAL CABINET PER PLANS, FLUSH MOUNTED IN WALL (5)
⌚	TAMPER-RESISTANT SWITCHED GFCI RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. (OCC. SENSOR OR WALL SWITCH CONTROLLED)	⌚	TERMINAL CABINET PER PLANS, SURFACE MOUNTED ON WALL
⌚ WP	TAMPER-RESISTANT WEATHER RESISTANT (WIR) DUPLEX GFCI RECEPTACLE W/ W.P. COVER @ +18", U.O.N.	⌚	CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
⌚	TAMPER-RESISTANT DUPLEX ISOLATED GROUND RECEPTACLE IN WALL @ +18", U.O.N. (7)	⌚	CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL
⌚	TAMPER-RESISTANT QUADRUPLX RECEPTACLE IN WALL @ +18", U.O.N.	⌚	LIGHTING CONTROL PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
⌚	SPECIAL PURPOSE ELECTRICAL OUTLET PER PLAN IN WALL @ 18" U.O.N.	⌚	LIGHTING CONTROL PANEL PER PLANS, SURFACE MOUNTED ON WALL
⌚	DUPLEX RECEPTACLE FLUSH IN CEILING	⌚	FIRE ALARM PANEL PER PLANS, FLUSH MOUNTED IN WALL (5)
⌚	TAMPER-RESISTANT QUADRUPLX RECEPTACLE IN WALL @ +18" A.F.F. U.O.N. (ONE UNSWITCHED RECEPTACLE AND ONE SWITCHED (OCC. SENSOR CONTROLLED) RECEPTACLE)	⌚	FIRE ALARM PANEL PER PLANS, SURFACE MOUNTED ON WALL
⌚	JUNCTION BOX		
⌚	JUNCTION BOX WITH FLEXIBLE CONDUIT CONNECTION TO EQUIPMENT	⌚ S	EXTERIOR SPEAKER, ELEVATION AS NOTED
⌚	NON-FUSIBLE DISCONNECT SWITCH	⌚ S	SPEAKER IN CEILING, U.O.N.
⌚	FUSIBLE DISCONNECT SWITCH	⌚ S	SPEAKER/CLOCK IN COMMON BACKBOX PER PLAN @ 12" BELOW CEILING, U.O.N.
⌚	FUSIBLE DISCONNECT SWITCH WITH INTEGRAL MAGNETIC STARTER	⌚	WALL CLOCK PER PLAN @ 12" BELOW CEILING, U.O.N.
⌚	ELECTRIC MOTOR	⌚ S	SPEAKER ON WALL @ 12" BELOW CEILING, U.O.N.
⌚	EXHAUST FAN OR FRACTIONAL HORSEPOWER MOTOR		
⌚	RECESSED LED LIGHTING FIXTURE	⌚ MD	INTRUSION ALARM SYSTEM MOTION DETECTOR (3)
⌚	RECESSED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	⌚ DC	INTRUSION ALARM SYSTEM MAGNETIC DOOR CONTACT (3)
⌚	SURFACE MOUNTED LED LIGHTING FIXTURE	⌚ WC	INTRUSION ALARM SYSTEM MAGNETIC WINDOW CONTACT (3)
⌚	SURFACE MOUNTED LED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	⌚ GB	INTRUSION ALARM SYSTEM GLASS BREAK DETECTOR (3)
⌚	SURFACE MOUNTED LED STRIP LIGHT	⌚ KP	INTRUSION ALARM SYSTEM KEYPAD (3)
⌚	SURFACE MOUNTED LED STRIP LIGHT WITH EMERGENCY BATTERY BACKUP	⌚ CR	INTRUSION ALARM SYSTEM CARD READER (3)
⌚	POST TOP MOUNTED LIGHTING FIXTURE	⌚ FR	INTRUSION ALARM SYSTEM FOB READER (3)
⌚	WALL MOUNTED LIGHTING FIXTURE	⌚ C	SECURITY CAMERA ROUGH-IN LOCATION PER PLAN (3)
⌚	WALL MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	⌚	DATA OUTLET IN WALL @ +18", U.O.N., ROUGH IN ONLY (1) (6)
⌚	CEILING MOUNTED LIGHTING FIXTURE	⌚ ES	ACCESS CONTROL SYSTEM ELECTRIFIED STRIKE, ROUGH IN ONLY (3)
⌚	CEILING MOUNTED LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP	⌚ DC	ACCESS CONTROL SYSTEM MAGNETIC DOOR CONTACT, ROUGH IN ONLY (3)
⌚	RECESSED LIGHTING FIXTURE	⌚ CR	ACCESS CONTROL SYSTEM CARD READER, ROUGH IN ONLY (3)
⌚	RECESSED FIXTURE WITH EMERGENCY BATTERY BACKUP	⌚ DH	ACCESS CONTROL SYSTEM MAGNETIC DOOR HOLDER, ROUGH IN ONLY (3)
⌚	SURFACE MOUNTED ROUND LIGHTING FIXTURE		
⌚	SURFACE MOUNTED ROUND LIGHTING FIXTURE WITH EMERGENCY BATTERY BACKUP		
⌚	ILLUMINATED EXIT SIGN MOUNTED ON CEILING		
⌚	ILLUMINATED EXIT SIGN MOUNTED ON WALL		
⌚	LOW LEVEL PHOTOLUMINESCENT EXIT SIGN MOUNTED ON WALL		
ELECTRICAL SYMBOLS NOTES:			
(1) RUN 1" CONC EALLED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N.			
(2) RUN 1" TO NEAREST WALL, THEN RISE CONCEALED IN WALL AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N. FOR SINGLE SYSTEMS INDIVIDUAL FLOORBOXES. WHERE MULTIPLE SYSTEMS OCCUR WITHIN A COMMON FLOOR BOX, RUN TWO 1" CONC ABOVE.			
(3) SYSTEM IS ROUGH IN ONLY, PROVIDE BACKBOX, BLANK COVERPLATE AND CONDUIT STUB PER DETAIL PLANS.			
(4) IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1 1/4", ONE 1", AND TWO 3/4" (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING, U.O.N. THIS REQUIREMENT APPLIES TO EACH POWER AND LIGHTING PANEL INDICATED FLUSH MOUNTED ON POWER PLAN.			
(5) IN ADDITION TO CONDUITS SHOWN ON PLANS, STUB ONE 1" AND TWO 3/4" (SPARE) INTO ACCESSIBLE ATTIC SPACE ABOVE NEAREST T-BAR CEILING U.O.N.. REQUIREMENT APPLIES TO EACH SIGNAL SYSTEM T.C. INDICATED FLUSH MOUNTED ON SIGNAL PLAN.			
(6) 4S BACKBOX WITH SINGLE GANG TRIM AND COVERPLATE.			
(7) ORANGE DEVICE (ISOLATED GROUND DUPLEX RECEPT. ONLY) WITH ENGRAVED WORDING ON COVER PLATE ABOVE ISOLATED GROUND RECEPT.: "COMPUTER ONLY".			
N.T.S.			

SYMBOL LEGEND AND NOTES

N.T.S.

4

CITY OF SHAFTER
POLICE SUBSTATION AND
CITY SERVICES BUILDING
SHAFTER, CA

DRAWING TITLE
ELECTRICAL SCHEDULES, LEGENDS, AND NOTES

TETER, INC.
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

ARCHITECTS ENGINEERS CONNECTED

PROJECT NO.
22-12529.01

DRAWING
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ARCHITECTS ENGINEERS CONNECTED

TETER, INC.
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ARCHITECTS ENGINEERS CONNECTED

TETER

PANEL: DPH				BUS: 600 AMP BUS				
DISTRIBUTION				VOLTAGE: 277/480V, 3 PH, 4 W				
PANEL				NEUTRAL: 100% RATED NEUTRAL				
				MAIN: 600A CB				
				TRIP: ELECTRONIC LSI				
				A.I.C.: 42 kAIC				
				LOCATION: ELECTRICAL ROOM				
				MOUNTING: SURFACE PER DETAIL 4/E600				
				ENCLOSURE: NEMA 1				
CIRCUIT		BREAKER		SERVES		VOLT-AMPERES		
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C
1	1	30	3	SURGE PROTECTIVE DEVICE (SPD) 120kA	0	0		
					0		0	
					0			0
2	2	100	3	PANEL 'L'	3730	3730		
					2303		2303	
					1735			1735
3	3	175	3	TRANSFORMER 'TDPL'	22906	22906		
					25302		25302	
					18621			18621
4	4	25	3	AC UNIT 'HC-1'	4919	4919		
					4919		4919	
					4919			4919
5	5	25	3	AC UNIT 'HC-2'	4919	4919		
					4919		4919	
					4919			4919
6	6	25	3	AC UNIT 'HC-3'	4919	4919		
					4919		4919	
					4919			4919
7	7	25	3	AC UNIT 'HC-4'	4919	4919		
					4919		4919	
					4919			4919
8	8	25	3	AC UNIT 'HC-5'	4919	4919		
					4919		4919	
					4919			4919
9	9	35	3	AC UNIT 'HC-6'	7815	7815		
					7815		7815	
					7815			7815
10	10	30	3		0	0		
					0		0	
					0			0
11	11	30	3		0	0		
					0		0	
					0			0
				TOTAL CONNECTED LOAD (VA) :		59046	60014	52766
				25% LCL/LML (VA) :		1954	1954	1954
				TOTAL CALCULATED LOAD (VA) :		60999	61968	54720
				TOTAL CALCULATED LOAD (AMPS) :		220.2	223.7	197.5

PANEL:				DPL																			
DISTRIBUTION				400 AMP BUS				MAIN: 400A CB				LOCATION:				ELECTRICAL ROOM							
				120/208V, 3 PH, 4 W				TRIP: THERMAL-MAGNETIC				MOUNTING:				SURFACE PER DETAIL 7/E600							
PANEL:				100% RATED NEUTRAL				A.I.C.: 22000 A				ENCLOSURE:				NEMA 1							
CIRCUIT		BREAKER		SERVES		VOLT-AMPERES					SERVES		BREAKER		CIRCUIT								
CKT NO.	PNL SPACE	AMP	POLE			LOAD	A	B	C	LOAD													
1	1	--	--	SPACE	0	0				0	SPACE	--	--	2	2								
3	3	--	--	SPACE	0		0			0	SPACE	--	--	4	4								
5	5	--	--	SPACE	0			0		0	SPACE	--	--	6	6								
7	7	--	--	SPACE	0	0				0	SPACE	--	--	8	8								
9	9	--	--	SPACE	0		0			0	SPACE	--	--	10	10								
11	11	--	--	SPACE	0			0		0	SPACE	--	--	12	12								
13	13	--	--	SPACE	0	0				0	SPACE	--	--	14	14								
15	15	--	--	SPACE	0		0			0	SPACE	--	--	16	16								
17	17	--	--	SPACE	0			0		0	SPACE	--	--	18	18								
19	19	--	--	SPACE	0	0				0	SPACE	--	--	20	20								
21	21	--	--	SPACE	0		0			0	SPACE	--	--	22	22								
23	23	--	--	SPACE	0			0		0	SPACE	--	--	24	24								
25	25	--	--	SPACE	0	2180				2180	PANEL 'IT'	100	3	26	26								
27	27	--	--	SPACE	0		2360			2360				28	28								
29	29	--	--	SPACE	0			180		180				30	30								
SUB		125	3	PANEL 'ACL'	7506	20726				13220	PANEL 'R'	200	3	SUB									
					9562		22942			13380													
					5701			18441		12740													
TOTAL CONNECTED LOAD (VA) :					22906		25302		18621														
25% LCL/LML (VA) :					0		0		0														
TOTAL CALCULATED LOAD (VA) :					22906		25302		18621		TOTAL CALCULATED LOAD FOR PANEL:												
TOTAL CALCULATED LOAD (AMPS) :					190.9		210.8		155.2		66828 VA												

PANEL:

225 AMP BUS

277/480V, 3 PH, 4 W

100% RATED NEUTRAL

MAIN: 150A CB

TRIP: THERMAL-MAGNETIC

A.I.C.: 22000 A

LOCATION: ELECTRICAL YARD

MOUNTING: POST STRUT

ENCLOSURE: NEMA 3R

CP

RECEPTACLE
PANELBOARD

CIRCUIT		BREAKER		SERVES	VOIT-AMPERES					SERVES	BREAKER		CIRCUIT	
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.
1	1	80	3	BATTERY ENERGY STORAGE SYSTEM	0	0			0	PANEL 'PV'	30	3	2	2
3	3				0		0		0				4	4
5	5				0			0	0				6	6
7	7	--	1	SPACE	0	0			0	SPACE	--	1	8	8
9	9	--	1	SPACE	0		0		0	SPACE	--	1	10	10
11	11	--	1	SPACE	0			0	0	SPACE	--	1	12	12
13	13	--	1	SPACE	0	0			0	SPACE	--	1	14	14
15	15	--	1	SPACE	0		0		0	SPACE	--	1	16	16
17	17	--	1	SPACE	0			0	0	SPACE	--	1	18	18
19	19	--	1	SPACE	0	0			0	SPACE	--	1	20	20
21	21	--	1	SPACE	0		0		0	SPACE	--	1	22	22
23	23	--	1	SPACE	0			0	0	SPACE	--	1	24	24
25	25	--	1	SPACE	0	0			0	SPACE	--	1	26	26
27	27	--	1	SPACE	0		0		0	SPACE	--	1	28	28
29	29	--	1	SPACE	0			0	0	SPACE	--	1	30	30
TOTAL CONNECTED LOAD (VA) :					0	0	0	0	TOTAL CALCULATED LOAD FOR PANEL:					
25% LCL/LML (VA) :					0	0	0	0						
TOTAL CALCULATED LOAD (VA) :					0	0	0	0						
TOTAL CALCULATED LOAD (AMPS) :					0.0	0.0	0.0	0.0	0 VA					

PANEL: L															100 AMP BUS 277/480V, 3 PH, 4 W 100% RATED NEUTRAL					MAIN: 100A CB TRIP: THERMAL-MAGNETIC A.I.C.: 22000 A					LOCATION: ELECTRICAL ROOM MOUNTING: SURFACE PER DETAIL 7/E600 ENCLOSURE: NEMA 1				
CIRCUIT		BREAKER		SERVES	VOLT-AMPERES					SERVES	BREAKER		CIRCUIT																
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.															
1	1	20	1	INTERIOR LIGHTING	2652	2652			0 SPARE	20	1	2	2																
3	3	20	1	INTERIOR LIGHTING	1554		1554		0 SPARE	20	1	4	4																
5	5	20	1	INTERIOR LIGHTING	1388			1388	0 SPARE	20	1	6	6																
7	7	20	1	EXTERIOR BUILDING LIGHTING	332	332			0 SPARE	20	1	8	8																
9	9	20	1	EXTERIOR BUILDING LIGHTING	288		288		0 SPARE	20	1	10	10																
11	11	20	1	SPARE	0			0	0 SPARE	20	1	12	12																
13	13	20	1	SPARE	0	0			0 SPARE	20	1	14	14																
15	15	20	1	SPARE	0		0		0 SPARE	20	1	16	16																
17	17	20	1	SPARE	0			0	0 SPARE	20	1	18	18																
19	19	20	1	SPARE	0	0			0 SPARE	20	1	20	20																
21	21	20	1	SPARE	0		0		0 SPARE	20	1	22	22																
23	23	20	1	SPARE	0			0	0 SPARE	20	1	24	24																
TOTAL CONNECTED LOAD (VA) :					2984	1842	1388																						
25% LCL/LML (VA) :					746	461	347																						
TOTAL CALCULATED LOAD (VA) :					3730	2303	1735	TOTAL CALCULATED LOAD FOR PANEL:																					
TOTAL CALCULATED LOAD (AMPS) :					13.5	8.3	6.3	7768 VA																					

PANEL:				ACL				125 AMP BUS				MAIN: 125A CB				LOCATION: ELECTRICAL ROOM			
HVAC				120/208V, 3 PH, 4 W				TRIP: THERMAL-MAGNETIC				MOUNTING: SURFACE PER DETAIL 7/E600							
PANELBOARD				100% RATED NEUTRAL				A.I.C.: 22000 A				ENCLOSURE: NEMA 1							
CIRCUIT		BREAKER		SERVES	VOLT-AMPERES					SERVES	BREAKER		CIRCUIT						
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.					
1	1	30	2	OUTDOOR UNIT 'ODU-1'	770	4104			3334	WATER HEATER 'WH-1' JANITOR 110	35	3	2	2					
3	3				770	4104			3334				4	4					
5	5	30	2	OUTDOOR UNIT 'ODU-2'	770	870		4104	3334	CIRC. PUMP 'CP-1' JAN. 110	15	1	8	8					
7	7				770				100				6	6					
9	9	30	2	OUTDOOR UNIT 'ODU-3'	770		2770		2000	WTR HTR 'WH-2' CUST. 125	30	1	10	10					
11	11				770				100				12	12					
13	13	15	1	EXHAUST FAN 'EF-1'	100	600			500	WATER/FLUSH VALVES	20	1	14	14					
15	15	15	1	EXHAUST FAN 'EF-2'	128				628				500	WATER/FLUSH VALVES	20	1	16	16	
17	17	15	1	EXHAUST FAN 'EF-3'	128				628	500	WATER/FLUSH VALVES	20	1	18	18				
19	19	15	1	EXHAUST FAN 'EF-4'	100	600					500	WATER/FLUSH VALVES	20	1	20	20			
21	21	15	1	EXHAUST FAN 'EF-5'	128		728				600	WATER FOUNTAIN	20	1	22	22			
23	23	15	1	EXHAUST FAN 'EF-6'	100					100	0	SPARE	20	1	24	24			
25	25	20	1	GARBAGE DISP. BRK. RM. 132	1140	1140					0	SPARE	20	1	26	26			
27	27	20	1	GARBAGE DISP. BRK. RM. 111	1140		1140				0	SPARE	20	1	28	28			
29	29	20	1	SPARE	0					0	0	SPARE	20	1	30	30			
31	31	20	1	SPARE	0	0						SPACE	--	--	32	32			
33	33	20	1	SPARE	0		0					SPACE	--	--	34	34			
35	35	20	1	SPARE	0					0		SPACE	--	--	36	36			
37	37	--	--	SPACE		0						SPACE	--	--	38	38			
39	39	--	--	SPACE			0					SPACE	--	--	40	40			
41	41	--	--	SPACE						0		SPACE	--	--	42	42			
TOTAL CONNECTED LOAD (VA) :					7313	9369			5701	TOTAL CALCULATED LOAD FOR PANEL:									
25% LCL/LML (VA) :					192	192	0												
TOTAL CALCULATED LOAD (VA) :					7506	9562	5701												
TOTAL CALCULATED LOAD (AMPS) :					62.5	79.7	47.5	22768 VA											

PANEL: R															200 AMP BUS															MAIN: 200A CB															LOCATION: ELECTRICAL ROOM														
RECEPTACLE															120/208V, 3 PH, 4 W															TRIP: THERMAL-MAGNETIC															MOUNTING: SURFACE PER DETAIL 7/E600														
PANELBOARD															100% RATED NEUTRAL															A.I.C.: 22000 A															ENCLOSURE: NEMA 1														
CIRCUIT		BREAKER		SERVES					VOLT-AMPERES					SERVES					BREAKER		CIRCUIT																																						
CKT NO.	PNL SPACE	AMP	POLE						LOAD	A	B	C	LOAD						AMP	POLE	PNL SPACE	CKT NO.																																					
1	1	20	1	RECEPT. - LOBBY, RR, RECORDS	1440	2700			1260	RECEPT. - RR'S/CUST./LOBBY	20	1	2	2																																													
3	3	20	1	RECEPT. - LIVESCAN,....	1080		1800		720	RECEPT. - COMMUNITY ROOM	20	1	4	4																																													
5	5	20	1	RECEPT. - RECORDS PARTITION	1200			2100	900	RECEPT. - COMMUNITY ROOM	20	1	6	6																																													
7	7	20	1	RECEPT. - COPIER	1000	1900			900	RECEPT. - LIBRARY	20	1	8	8																																													
9	9	20	1	RECEPT. - COUNTER	1440		2160		720	RECEPT. - LIBRARY	20	1	10	10																																													
11	11	20	1	RECEPT. - WORK STA,....	1200			2640	1440	RECEPT. - LIBRARY OFFICE	20	1	12	12																																													
13	13	20	1	RECEPT. - WORK STA,....	1200	2100			900	RECEPT. - WORK ROOM	20	1	14	14																																													
15	15	20	1	RECEPT. - WORK STA,....	1200		2460		1260	RECEPT. - PUBLIC SERVICE	20	1	16	16																																													
17	17	20	1	RECEPT. - ARMORY/EVIDENCE	1080			2080	1000	RECEPT. - COPIER	20	1	18	18																																													
19	19	20	1	RECEPT. - OFFICE	1440	2520			1080	RECEPT. - COPY ROOM/STOR.	20	1	20	20																																													
21	21	20	1	RECEPT. - OFFICE	1440		2880		1440	RECEPT. - OFFICE	20	1	22	22																																													
23	23	20	1	RECEPT. - CONFERENCE ROOM	1080			2280	1200	RECEPT. - CITY OFC PARTITION	20	1	24	24																																													
25	25	20	1	RECEPT. - CONFERENCE ROOM	1080	2280			1200	RECEPT. - CITY OFC PARTITION	20	1	26	26																																													
27	27	20	1	RECEPT. - OFFICE	1440		2640		1200	RECEPT. - CITY OFC PARTITION	20	1	28	28																																													
29	29	20	1	RECEPT. - BREAK ROOM	900			2100	1200	RECEPT. - CITY OFC PARTITION	20	1	30	30																																													
31	31	20	1	RECEPT. - REFRIGERATOR	1000	1540			540	RECEPT. - RR	20	1	32	32																																													
33	33	20	1	RECEPT. - RR'S/HALL	540		900		360	RECEPT. - BREAK ROOM	20	1	34	34																																													
35	35	20	1	RECEPT. - WELLNESS	360			1360	1000	RECEPT. - REFRIGERATOR	20	1	36	36																																													
37	37	20	1	RECEPT. - ELECT.	180	180			0	SPARE	20	1	38	38																																													
39	39	20	1	RECEPT. - OPEN OFFICE	540		540		0	SPARE	20	1	40	40																																													
41	41	20	1	SPARE	0			180	180	RECEPT. - W.P. ON ROOF	20	1	42	42																																													
TOTAL CONNECTED LOAD (VA) :					13220	13380	12740																																																				
25% LCL/LML (VA) :					0	0	0																																																				
TOTAL CALCULATED LOAD (VA) :					13220	13380	12740	TOTAL CALCULATED LOAD FOR PANEL:																																																			
TOTAL CALCULATED LOAD (AMPS) :					110.2	111.5	106.2	39340 VA																																																			

PANEL: IT															100 AMP BUS 120/208V, 3 PH, 4 W 100% RATED NEUTRAL				MAIN: 100A CB TRIP: THERMAL-MAGNETIC A.I.C.: 10000 A				LOCATION: DATA TELECOM ROOM MOUNTING: SURFACE PER DETAIL 7/E600 ENCLOSURE: NEMA 1			
RECEPTACLE PANELBOARD																										
CIRCUIT		BREAKER		SERVES	VOIT-AMPERES					SERVES	BREAKER		CIRCUIT													
CKT NO.	PNL SPACE	AMP	POLE		LOAD	A	B	C	LOAD		AMP	POLE	PNL SPACE	CKT NO.												
1	1	20	1	RECEPT. - TELECOM - EAST...	180	2180			2000	SERVER RACK	30	2	2	2												
3	3	20	1	RECEPT. - TELECOM - SO. WALL	360		2360		2000				4	4												
5	5	20	1	RECEPT. - TELECOM - WEST...	180			180	0 SPARE		20	1	6	6												
7	7	20	1	SPARE	0	0			0 SPARE		20	1	8	8												
9	9	20	1	SPARE	0		0		0 SPARE		20	1	10	10												
11	11	20	1	SPARE	0			0	0 SPARE		20	1	12	12												
13	13	20	1	SPARE	0	0			0 SPARE		20	1	14	14												
15	15	20	1	SPARE	0		0		0 SPARE		20	1	16	16												
17	17	20	1	SPARE	0			0	0 SPARE		20	1	18	18												
19	19	20	1	SPARE	0	0			0 SPARE		20	1	20	20												
21	21	20	1	SPARE	0		0		0 SPARE		20	1	22	22												
23	23	20	1	SPARE	0			0	0 SPARE		20	1	24	24												
25	25	20	1	SPARE	0	0			0	SURGE PROTECTIVE DEVICE (SPD) 120kA	30	3	26	26												
27	27	20	1	SPARE	0		0		0				28	28												
29	29	20	1	SPARE	0			0	0				30	30												
TOTAL CONNECTED LOAD (VA) :					2180	2360	180	TOTAL CALCULATED LOAD FOR PANEL:																		
25% LCL/LML (VA) :					0	0	0																			
TOTAL CALCULATED LOAD (VA) :					2180	2360	180																			
TOTAL CALCULATED LOAD (AMPS) :					18.2	19.7	1.5	4720 VA																		



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Alex Gonzalez, Deputy Public Works Director

SUBJECT: 7TH STANDARD #2 LANE RECONSTRUCTION (#ST00032) -
FRIANT KERN CANAL TO ZACHARY AVE. - NOTICE OF
COMPLETION AND ACCEPTANCE OF WORK

RECOMMENDATION

Council find that the action is not defined as a "project" under CEQA, as defined in Section 15378(b)(5) of the CEQA Guidelines: accept the public improvements completed for the 7th Standard #2 Lane Reconstruction (#ST00032) - Friant Kern Canal to Zachary Ave.; and authorize the deputy public works director to file a notice of completion and acceptance of work for said public improvements.

BACKGROUND

On September 18, 2023, the City Council authorized the award of a contract to Griffith Company to complete pavement improvements on the #2 lane of 7th Standard Road, extending from the Friant Kern Canal to Zachary Avenue. The project involved full-depth pavement reconstruction and improvements to enhance the reliability and safety of the roadway. Public Works field-approved the project effective November 13, 2023.

FISCAL IMPACT

The total cost of the 7th Standard #2 Lane Reconstruction project, including materials testing and bidding expenses, amounted to \$749,693.50. The project was federally funded, with \$538,000 provided through the Regional Surface Transportation Program (RSTP). The remaining project costs were covered by State Transportation Development Act (TDA) funds. The project was completed within the approved budget of \$825,000.00, with no additional funding required. No budget action is required.

CEQA ANALYSIS

The action is not defined as a "project" per Section 15378(b)(5) of the CEQA Guidelines because the action is approval of a notice of completion and acceptance of work for a project that has already been environmentally cleared and therefore, it is organizational and administrative activity that will not result in direct or indirect physical changes to the environment and not subject to CEQA.

APPROVED BY THE CITY ATTORNEY

Not Applicable

ATTACHMENTS

CONSENT CALENDAR

**7TH STANDARD #2 LANE RECONSTRUCTION (#ST00032) - FRIANT KERN CANAL TO
ZACHARY AVE. - NOTICE OF COMPLETION AND ACCEPTANCE OF WORK**

1. Notice of Completion - 7th Standard #2 Lane Reconstruction

RECORDING REQUESTED BY, FOR THE
BENEFIT OF, AND WHEN RECORDED
MAIL TO:

CITY CLERK
CITY OF SHAFTER
336 PACIFIC AVENUE
SHAFTER, CALIFORNIA 93263

ABOVE SPACE FOR RECORDER'S USE
NO RECORDING FEE PURSUANT TO GOVT CODE 27383
NO DOCUMENTARY TRANSFER TAX PURSUANT TO
CALIFORNIA REVENUE & TAXATION CODE 11922
"EXEMPT FROM THE FEE PER GC 27388.1 (A)(1)"
PAYMENT OF RECORDING FEES EXPRESSLY EXEMPTED BY LAW."

**NOTICE OF COMPLETION
AND ACCEPTANCE OF WORK**

NOTICE IS HEREBY GIVEN that work has been completed on that certain project for the construction of "**7TH STANDARD #2 LANE RECONSTRUCTION FRIANT KERN CANAL TO ZACHARY AVE. – ST00032**" in the City of Shafter on **NOVEMBER 13, 2023**, and that said project was authorized for acceptance by this Agency on **NOVEMBER 13, 2023**. The undersigned Agency owns the following interest in the public improvements installed: own, operate, maintain, repair, and replace public street improvements including grading, paving improvements, traffic striping, and traffic loops within 7TH STANDARD ROAD in the City of Shafter, County of Kern.

The contractor on said project was **GRIFFITH COMPANY**. Refer to the approved plans for all information relating to said project.

The address of the undersigned Agency is Shafter City Hall, 336 Pacific Avenue, Shafter, California 93263.

CITY OF SHAFTER

Alex Gonzalez, P.E.
City of Shafter, Deputy Public Works Director – Capital Projects

Date

ATTEST:

Yazmina Pallares, City Clerk

I certify under the Penalty of Perjury under the laws of the State of California that the foregoing is true and correct.

Alex Gonzalez, P.E.
City of Shafter, Deputy Public Works Director – Capital Projects

Executed on _____ at Shafter, California.



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Steve Esselman, Planning Director

SUBJECT: CALIFORNIA MUNICIPAL FINANCE AUTHORITY'S BOND
OPPORTUNITIES FOR LAND DEVELOPMENT PROGRAM
DISCUSSION

RECOMMENDATION

Council receive and file. This item is for informational purposes only.

BACKGROUND

LGI Homes, Inc., the property owner of Tentative Tract Map No. 6614 (Orchard Park Specific Plan), have used the California Municipal Finance Authority's Bond Opportunities for Land Development Program (BOLD Program) for other projects in other municipalities and wish to use the BOLD Program to finance necessary public infrastructure and development fees for this tract. The City Council approved Tentative Tract Map No. 6614 on September 19, 2006 (see **Exhibit 1**).

The California Municipal Finance Authority (CMFA) is a State-wide joint powers agency whose members are numerous public entities throughout California. City staff have been provided information regarding the BOLD Program that can be used to finance public infrastructure required for new development within a city.

CMFA recognizes that new residential development often challenges the mission of municipalities to provide infrastructure and schools since new development triggers the need to construct, acquire, or otherwise provide additional public facilities to accommodate that growth. CMFA has the authority to issue bonds, and the BOLD Program offers a means to finance new or continuing construction of infrastructure and public facilities through bonds CMFA issues as an alternative to issuance of land-secured bonds directly by a public entity. The BOLD Program is designed to help local government municipalities, schools, and land developers throughout the State work together to cost effectively finance public infrastructure projects and development fees.

Under the BOLD Program, bonds are issued by a community facilities district (CFD) formed by CMFA under the Mello-Roos Community Facilities Act of 1982 (California Government Code Section 53311 et seq.). The Act offers great financing flexibility and is commonly used by cities, schools, and other local agencies throughout the State to generate funds for the payment of public facilities, including development fees for facilities.

CALIFORNIA MUNICIPAL FINANCE AUTHORITY'S BOND OPPORTUNITIES FOR LAND DEVELOPMENT PROGRAM DISCUSSION

The BOLD Program is handled by a team of bond industry professionals with significant experience in CFDs in the State. All have highly specialized expertise in CFD bond issuance and sales and are consistently ranked among the top firms in the field. In addition, if the City desires to use a municipal advisor of its own choosing to review the BOLD Program application and/or other program documents may do so, with all related costs payable from bond proceeds.

Formation of the CFD requires the establishment of the annual special tax rates. The formula for computing special tax rates will be included in the resolutions to be adopted as part of the CFD formation proceedings. Typically, the formula will include a basic, undeveloped land tax with an increase in rate and shifting of the tax to developed lands at building permit stage. The total amount of taxes on developed land generally will not exceed 2% of its market value in its completed state, per industry standards.

Bonds are issued through CMFA, with little involvement from local agencies needed for the issuance process. The City will need to approve the use of a CFD to acquire public facilities and the financing thereof and enter into an acquisition or similar agreement to receive the bond proceeds, and to meet the general requirements to maintain the tax exemption of interest on the bonds. CMFA adopts the resolutions needed to authorize and issue the special tax bonds and awards the sale to the bond underwriter.

Once the bond issuance occurs, bond proceeds are available to be disbursed. The proceeds are held by a bond trustee and are not directly paid to the developer but are available as directed by the developer and approved by the local agency, to be used to meet obligations to the City according to the structure and timing required for development approvals. Pursuant to an acquisition agreement or similar document, the City will determine and agree to its role in inspecting and accepting infrastructure and/or payment of financed impact fees.

The City will receive bond proceeds pursuant to a joint community facilities agreement (JCFA), acquisition agreement, and/or similar agreement to be entered into between the City and CMFA, as needed, to ensure bond proceeds are spent in accordance with the Act and other applicable law. The resolution delegates to appropriate City staff entrance into these agreements from time to time in the future, as needed.

The CFD may be formed early in the development process, with issuance of bonds later or in multiple series. The following are the typical criteria for bond issuance:

- Minimum 4:1 value-to-debt ratio overlapping (assessed or appraised)
- No discretionary approvals required for build-out of the portion of the CFD directly relating to the bond security
- Entitlements received that are necessary for phase to be bonded
- Financing plan for backbone infrastructure complete or imminent and/or performance bond in place

CALIFORNIA MUNICIPAL FINANCE AUTHORITY'S BOND OPPORTUNITIES FOR LAND DEVELOPMENT PROGRAM DISCUSSION

Credit criteria will be reviewed by the underwriting team on a case-by-case basis to assure reasonable interest rates at the time of issuance. Additionally, similar credits can be pooled together into a single bond issue with pooling flexibility assuring the most cost-effective bond issuance for each project.

Administration of all aspects of the BOLD Program is handled by CMFA, without cost to or burden on a city. Federal regulations require annual disclosures to bond investors of information related to the bonds and the development project. BOLD Program administrators will handle this continuing disclosure reporting in consultation with developers.

CMFA shares a portion of its issuance fees directly with its member communities. In addition, a grant from a portion of the issuance fee is made to the California Foundation for Stronger Communities ("CFSC") to fund charities designated by the member communities. A portion of the annual fees received by CMFA are in turn directed to charitable activities within California communities, particularly those of members and participating local government agencies. This unique commitment to give back directly to the communities in which they operate sets CMFA apart from other JPA conduit issuers.

Tax-exempt municipal bonds are sold through an offering document known as an Official Statement, which describes to potential purchasers of the bonds the terms, security, and repayment of the bonds and details about the property securing the bonds. Since, prior to home sales, the land is owned by the developer entity(ies), relevant information for the Official Statement needs to describe the developer and the development plan. The financing team will work with the developer to provide the required information and approve the final language to be provided to prospective bond buyers.

California law requires developers to disclose to home buyers the lien of any CFD special tax which will be present on the purchased property. The form of disclosure is simple and becomes part of the various sale documents presented to buyers for signature prior to a home sale.

FISCAL IMPACT

There is no fiscal impact because this item is for informational purposes only. If the City were to opt into the BOLD Program, all costs and expenses related to the formation, issuance of bonds, and ongoing administration of any CFD formed by the BOLD program is the responsibility of CMFA and there is no liability or fiscal impact on the City.

CEQA ANALYSIS

This item does not require discretionary action as it is for informational purposes only. Therefore, it does not trigger CEQA review.

APPROVED BY THE CITY ATTORNEY

ATTACHMENTS

1. Exhibit 1 - Resolution No. 06-1890
2. Exhibit 2 - BOLD Program Overview Presentation

RESOLUTION NO. 06-1890

**A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF
SHAFTER RECOMMENDING TO THE CITY COUNCIL APPROVAL OF
TENTATIVE TRACT NO. 6614 ON CERTAIN PROPERTY LOCATED
ON THE EAST SIDE OF BEECH AVENUE BETWEEN TULARE
AVENUE AND FRESNO AVENUE**

WHEREAS, Nolte Engineering, filed an application requesting approval of Tentative Tract Map No. 6614 on that certain property in the City of Shafter as shown on attached Exhibit 4; and

WHEREAS, the City Council of the City of Shafter, at its regularly scheduled meeting on September 19, 2006, studied and considered the Addendum to the Final Program Environmental Impact Report (Exhibit 6) for the 2005 General Plan Update and related actions (SCH No. 2004101029) for Tentative Tract 6614; and

WHEREAS, no new information or conditions have been submitted or identified that would require the preparation of a subsequent EIR, pursuant to Section 15162 of the State CEQA Guidelines, for the proposed project; and

WHEREAS, the 2005 General Plan Update was a comprehensive revision to the City of Shafter 1993 General Plan that expanded the General Plan Study Area, updated the seven mandatory elements of the General Plan, including the Housing Element, provided an explicit statement of community vision, Coberly West Specific Plan, Mission Lakes Specific Plan, annexation of 5,233.68 acres (Annexation No. 77), pre-zoning for Annexation No. 77, and cancellation of two Williamson Act contracts for 1007 acres; and

WHEREAS, the expansion of the North of River Municipal Water District was not proposed for adoption by the City of Shafter under the 2005 General Plan Update but addressed and analyzed under the Certified Final Program EIR regarding water service to Annexation No. 77; and

WHEREAS, in the initial stages of preparing the 2005 General Plan Update, the City of Shafter determined that an Environmental Impact Report (EIR) would be required for the project, and, therefore, a Notice of Preparation (NOP) was prepared in accordance with the California Environmental Quality Act (CEQA) to study the environmental impacts of the project, and

WHEREAS, the NOP for the General Plan Update was sent to all agencies having involvement in the project per Section 15082 of the CEQA Guidelines; and

WHEREAS, the Draft Program Environmental Impact Report for the 2005 General Plan Update and related actions was made available for a forty-five (45) day review period in accordance with Section 15087 of the CEQA Guidelines which began on April 13, 2005, and ended on May 27, 2005; and

WHEREAS, on June 9, 2005, the Final Program Environmental Impact Report was completed pursuant to Section 15132 of the CEQA Guidelines and notice of its availability was published in the Shafter Press and Bakersfield Californian and provided to interested parties and commenting agencies.

WHEREAS, the environmental record prepared in conjunction with the project included the following:

1. The Notice of Preparation, the Draft Program Environmental Impact Report, and the Final Program Environmental Impact Report; and
2. All staff reports, memoranda, maps, letters, minutes of meetings, and other documents prepared by the consultant relating to the project; and
3. All testimony, documents, and evidence presented by the City of Shafter and consultant working with the City relating to the project; and
4. The proceedings before the Planning Commission relating to the project and Draft Program Environmental Impact Report including testimony and documented evidence introduced at the May 10, 2005 public hearing; and

WHEREAS, the laws and regulations relating to the preparation and certification of an environmental impact report, as set forth in the City's Local Guidelines Implementing the California Environmental Quality Act were adhered to and duly followed by City Staff, the Planning Commission, and City Council; and

WHEREAS, in accordance with Sections 15090 and 15151 of the CEQA Guidelines, the Final Program Environmental Impact Report for the 2005 General Plan Update was considered for adequacy, completeness and good faith effort at full disclosure and completed in compliance with CEQA; and

WHEREAS, on June 21, 2005, the City Council of the City Shafter certified the Final Program Environmental Impact Report for the 2005 General Plan Update and related actions in Resolution No. 05-1738; and

WHEREAS, in accordance with Sections 15091 of the CEQA Guidelines, findings and supporting rationale regarding identified significant environmental effects and related mitigation measures in the Certified Final Program Environmental Impact Report for the 2005 General Plan Update and related actions (State Clearinghouse #2004101029) were adopted by the City of Shafter on June 21, 2005, under Resolution Nos. 05-1739, 05-1740, 05-1741, 05-1742, 05-1743, 05-1744, and 05-1745 and Ordinance No. 05-567; and

WHEREAS, in accordance with Sections 15093 of the CEQA Guidelines, regarding the Certified Final Program Environmental Impact Report for the 2005 General Plan Update and related actions (State Clearinghouse #2004101029), a Statement of Overriding Considerations with supporting reasons for Aesthetics and Visual Resources, Air Quality, Water Resources,

Agricultural Resources, and Population and Housing was adopted by the City of Shafter on June 21, 2005, under Resolution Nos. 05-1739, 05-1740, 05-1741, 05-1742, 05-1743, 05-1744, and 05-1745 and Ordinance No. 05-567; and

WHEREAS, in accordance with Sections 15097 of the CEQA Guidelines, regarding the Certified Final Program Environmental Impact Report for the 2005 General Plan Update and related actions (State Clearinghouse #2004101029), a Mitigation Monitoring and Reporting Program for the mitigation measures referenced above was adopted by the City of Shafter on June 21, 2005, under Resolution Nos. 05-1739, 05-1740, 05-1741, 05-1742, 05-1743, 05-1744, and 05-1745 and Ordinance No. 05-567; and

WHEREAS, on June 13, 2006, the Planning Commission of the City of Shafter recommended that the City Council certify the Addendum to the Final Program Environmental Impact Report for the 2005 General Plan Update and related actions (SCH No. 2004101029) for Tentative Tract 6614; and

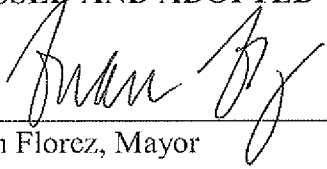
WHEREAS, based on the absence of evidence in the record as required by Section 21082.2 of the State of California Public Resources Code for the purpose of documenting significant effects, it is the conclusion of the City of Shafter that this project will result in impacts that fall below the threshold of significance with regard to wildlife resources and, therefore, must be granted a "de minimis" exemption in accordance with Section 711.4 of the State of California Department of Fish and Game Code. Additionally, the assumption of adverse effect is rebutted by the above-referenced evidence and the conclusion of the Addendum to the Certified Final Program Environmental Impact Report that the implementation of the mitigation measures and general plan policies would reduce the project and cumulative impacts on biological resources to a level that is less than significant; and

WHEREAS, the Planning Commission did, on September 12, 2006, approve Resolution No. 06-119; a resolution of the Planning Commission of the City of Shafter recommending that the City Council approve Tentative Tract 6614; and

WHEREAS, a timely and properly noticed public hearing for Tentative Tract 6614 was held by the City Council of the City of Shafter at a regular meeting on September 19, 2006, at which hearing evidence, oral and documentary, was admitted on behalf of said project; and

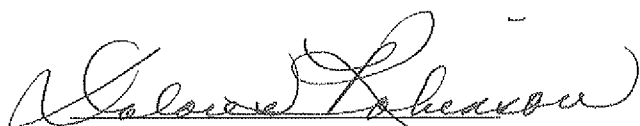
NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Shafter, in a regular session assembled on the 19th day of September, 2006, hereby adopts the Addendum and approves Tentative Tract 6614.

PASSED AND ADOPTED THIS 19TH DAY OF SEPTEMBER, 2006.



Fran Florez, Mayor

ATTEST:



Dolores Robinson, City Clerk

APPROVED AS TO FORM

Stephen P. Deitsch S/S
Stephen P. Deitsch, City Attorney

STATE OF CALIFORNIA)
) ss.
COUNTY OF KERN)

AYES: Colvard, Prout, Johnston, Nelson & Florez
NOES: None
ABSENT: None
ABSTAINING: None


Dolores Robinson, City Clerk

**TENTATIVE TRACT NO. 6614
CONDITIONS OF APPROVAL
EXHIBIT 3**

ENGINEERING: GENERAL

REFERENCES ARE MADE HEREIN TO THE APPROVED "ORCHARD PARK SPECIFIC PLAN", ACCEPTED BY THE CITY OF SHAFER CITY COUNCIL ON July 18, 2006. ANY AND ALL IMPROVEMENTS REQUIRED BY THE "ORCHARD PARK SPECIFIC PLAN" SHALL ALSO BE REQUIRED BY THESE CONDITIONS OF APPROVAL. ADDITIONAL REQUIREMENTS FOR THE DESIGN AND CONSTRUCTION OF IMPROVEMENTS REQUIRED BY THE ORCHARD PARK SPECIFIC PLANS ARE INCLUDED HEREIN.

1. Developer shall remove and replace any existing public or private improvements that may become damaged during any phase of construction, as required by the City Engineer. The contractor working within the public right-of-way shall obtain an encroachment permit from the City Engineer prior to commencing any such work.
2. Developer is hereby notified that any existing street improvements damaged or removed during the construction of improvements shall be replaced with acceptable temporary paving prior to the contractor leaving the site of work.
 - (a.) Exceptions: Temporary paving shall not be required to be replaced where acceptable two way traffic can still be maintained in each direction.
3. Acceptable traffic control, including signs and personnel, shall be utilized whenever construction of required improvements requires the contractor to work within existing vehicular paths of travel. If determined necessary by the City Engineer, contractor shall include provisions to allow for pedestrian traffic through or past the construction site. The latest edition of the Caltrans Traffic Manual shall be the standard for all construction related traffic control.
4. Developer shall relocate and/or install all necessary infrastructure to provide utilities to the proposed project.
5. A six (6) foot public utility easement shall be provided in the front of all lots and on the street side of all corner lots as requested by the utility companies and the City Engineer. Easements shall be granted with the final map.
6. Easements to be given to the City or any other public utility agency for, sewer, water, storm drain, electrical, or any other utility or similar purpose shall not cross private property, except as provided in 5 above, without prior approval of the City Engineer.
7. Any above ground utility cabinets or facilities to be located within the road right-of-way or public utility easement shall be permitted only upon approval by the City Engineer. Such approval will be made in writing, upon written request of the applicant and/or the affected utility company.
8. Any obstructions including utilities, irrigation lines, etc., shall be removed and/or relocated, if necessary, at the expense of the applicant.

9. Any onsite wells shall be abandoned per Kern County standards.
10. No final inspection shall be approved until all required improvements have been completed by the applicant and accepted by the City.
11. All new utilities shall be underground service.
12. During construction, vehicular access points shall be covered with decomposed granite, road oil, or some other treatment acceptable to the City Engineer, to prevent generation of dust during periods of vehicular activity and/or windy conditions and tracking of mud and dirt on public roadways.
13. Prior to issuance of a certificate of occupancy on any lot in any quadrant of the proposed tract, all required improvements in that quadrant shall be completed and accepted by the City Council. Additional improvement outside the affected project boundary as specifically defined herein may be required for orderly development as determined by the City Engineer.
14. All improvements shall be complete within one (1) year from the date of filing of the final map for the development, unless a time extension is granted by the City Engineer.
15. Type & location of centralized mail delivery units shall be determined by the postal service. If the postal service requires special easements for the placement of the delivery units, then said easements shall be shown on the final map.

ENGINEERING: GRADING & DRAINAGE

16. All grading and drainage shall conform to a master grading & drainage plan to be performed by the developer's engineer for Tract 6614.
17. Prior to review of any required improvement plans, both a drainage/hydrology study and a grading plan shall be submitted to and approved by the City Engineer.
18. The drainage/hydrology study and hydraulic analysis for the project shall be performed by a registered civil engineer and submitted to the City Engineer for review and approval. The study shall demonstrate that any potential run-off will not impact surrounding properties. The study shall focus on the project property and any affected adjacent properties.
19. The grading plan for the project shall be performed by a registered civil engineer and submitted to the City Engineer for review and approval. All grading shall conform to the California Building Code, latest edition approved by the City, and City adopted standards and specifications. Storm drainage protection and disposal of water into and from the affected property shall be by method approved by the City Engineer.
20. A soils report, prepared by a registered civil engineer shall be submitted along with the grading plan. Soils report shall be performed in compliance with California Building Code, Chapter 18, latest edition. In addition, all site grading, earthwork, & building design shall be performed in accordance with the recommendations of the soils report.
21. A grading permit shall be obtained from the City prior to commencement of any grading activity.

22. Prior to issuance of a building permit, the developer shall file a "Rough Grade Certificate" with the City in accordance with the City Engineering & Design Standards. Rough Grade Certificate shall be accompanied by certified soil compaction test data from an acceptable materials testing company and a certification that the rough graded in substantial conformance with the approved grading plan and Chapter 33 of the California Building Code . Developer to obtain Rough Grade Certificate form from the City.
23. Prior to final approval, acceptance of work, or issuance of certificate of occupancy, the applicant's engineer shall file a "Final Grade Certificate" stating that all required grading has been done in accordance with the approved grading plan. An as built grading plan shall be submitted showing the as-built condition. Developer to obtain Final Grade Certificate form from the City.
24. The location & frequency of soils compaction testing shall be per the City Engineer. Soils compaction testing shall be provided by the developer/owner.
25. Minimum slopes across any flat surface shall be 1%. For slopes less than 1%, surface drainage shall be channeled into a concrete v-gutter, curb & gutter, underground storm drain, or similar drainage structure.
26. At a minimum, building finish pad elevation shall be established so that the finish floor elevation is a minimum of twelve (12) inches plus 2% slope from the lowest adjacent flowline to the finish floor. Slope away from the structure shall be a minimum of 2%. Building pads shall drain to a earth swale beginning at the rear of the lot and terminating at the front yard street improvements. Corner lots shall not be permitted to drain to the side street. The earth swale shall provide a minimum of 1% from the highest point in the swale to the street.
 - (a.) Exception: Lots that are over 10,800 sq ft in size and have a lot depth in excess of 120 feet can have a minimum of 0.5% from the highest point in the swale to the street.
27. Street side corner lots shall not have their side yard slope (finish grade to back of sidewalk) exceed 4 horizontal:1 vertical. If maximum slope is exceeded, side yard shall be retained in an approved manner.
28. Wood retaining structures shall not be approved. Developer shall use masonry, concrete, or other approved material.
29. Storm drainage shall be contained within the development unless approved otherwise by the City Engineer. Street drainage shall be mitigated in a manner approved by the City Engineer.
30. Drainage Basin:
 - (a.) **Perimeter screening:** The area used for the drainage sump shall have a masonry wall built around its perimeter, including along property lines between the basin and adjacent residential lots. For all portions of the perimeter wall viewable from the street or the front yards of adjacent lots, the wall shall be decorative in nature.
 - i.) Exception: Masonry Wall shall not be required between the sump and the area identified as the "EXISTING OIL WELLS". A chain link fence shall be required here.
 - (b.) **Access Point:** Public works entrance to the drainage sump shall be from an internal local

street. Access shall be provided by a commercial drive approach and a 16 foot wide gate. Gate construction shall be decorative in nature (wrought iron with screen), shall provide a secure entrance to the basin, and shall prevent visibility of the basin. Gate shall be constructed of steel, or other approved material. Wood or chain link gates shall not be acceptable. Construction, style, and finish are subject to city approval.

- (c.) **Easements:** Easements for access and/or storm drains shall be provided on the final map or by separate instrument as approved by the City Engineer.
 - (d.) **Landscaping:** A landscaping plan for each drainage basin required for each final map, including design of a permanent irrigation system, shall be submitted to and approved by the City Engineer. Said approved landscape and irrigation plan shall be implemented prior to issuance of any building permit for the affected final map.
 - i.) All landscaping is subject to the requirements for landscaping contained herein these conditions and with City Standards.
 - ii.) Landscaping shall include irrigation pipes, timers, and individual services for electrical and water.
 - (1) Exception: When possible, irrigation pipes shall be extended from the dedicated landscaping areas along arterials, collectors, or other public landscaping, proposed or existing, in lieu of obtaining additional services for water or electrical.
 - (e.) **Landscaping Area:** A minimum setback of eight (8) feet shall be provided between the back of sidewalk of a local road and the back of the perimeter screening wall discussed in (a) above. The minimum depth for landscaping along arterials and collectors shall be governed by the City standards for arterials and collectors.
 - i.) Exception: The minimum setback shall be increased if the perimeter screening creates a line of site issue for street intersections or residential driveways.
31. The number and location of street based siphons and cross gutters allowed, if any, will be determined during the grading and drainage review process. The minimum grade for allowed cross gutters shall be 0.6%.
32. Grading onto adjacent property shall not be done without written permission from the adjacent property owner.
33. The Office of the City Engineer shall be notified 24 hours in advance of the placement of any fill material.
34. Fill and/or import material shall be subject to the approval of the soils engineer.
35. Contractor is responsible for the grading of lot pad areas to within 0.1' of the design elevations.
36. All areas in the site on which structures are to be placed must be compacted to 90% relative density, for a minimum distance of 5' in all directions from the foundations of the structure.
37. All fill material shall be moisture conditioned to at least 2% above optimum moisture and compacted to 90% relative density, as determined by test methods referenced in California Building Code. appendix Chapter 33, Section 3305, and so certified by tests and report from the soils engineer.

38. The design engineer shall exercise sufficient supervisory control during grading operations to insure compliance with the plans, specifications, and code within his purview.
39. The placement of fill shall be in 6" maximum lifts, compacted with heavy compaction equipment approved by the City Engineer, unless specifically recommended otherwise in the preliminary soils report.
40. Compaction in proposed pavement areas should be the same as for the building pads, and should extend to a minimum distance of 2' beyond the outside edges of pavements.
41. All cut and fill slopes shall not be steeper than 2 horizontal to 1 vertical.
42. All fill areas to be cleared of all vegetation and other unsuitable material for a structural fill and the areas shall be scarified to a depth of 6", unless specifically noted otherwise in the preliminary soils report.
43. All slopes in excess of three feet shall be prepared and maintained to control against erosion.
44. Grading work shall be supervised as engineered grading in accordance with Chapter 33 of the California Building Code.
45. During grading, reasonable searching should be performed for concealed subsurface obstructions. All abandoned subsurface obstructions should be removed. If the terminus of any abandoned piping is outside the project limits, the piping should be removed within the project and properly capped at the project boundary.
46. Dust Control: It shall be the developer's responsibility to prevent a dust nuisance originating from the site of work as a result of his operations during the effective period of this contract. Preventative measures to be taken by the contractor shall include but not be limited to the following;
 - (a.) Water shall be applied to all unpaved areas as required to prevent the surfaces from becoming dry enough to permit dust formation.
 - (b.) Paved surfaces over which vehicular traffic is permitted to travel shall be kept free of dirt.

ENGINEERING: WATER/FIRE

47. Developer shall install a water system for the development together with such equipment, pipeline, and facilities, including individual water services, as may be necessary to ensure the development has a minimum supply of water for the purposes of the development including fire protection. Developer shall submit water improvement plans to the City Engineer for review and approval. Developer shall construct public water systems in accordance with Subdivision Engineering Design Manual for the subject property.
48. Fire protection shall be provided per Kern County Fire Department Standards for the type of development. A Certificate of Approval shall be obtained by the applicant from the Kern County Fire Department. Evidence of this certificate of approval shall be provided to the City prior to acceptance of the water system by the City.
49. The City Engineer shall recommend hydrant type and location if required.

50. Water line size, location, and materials shall be subject to the approval of the City Engineer. Minimum water line size shall be in accordance with the Subdivision Engineering Design Manual.
51. Tie-ins to existing water mains shall be constructed in a manner approved by the City Engineer.
52. Whenever possible, the water system shall be looped to minimize dead ends. For cul-de-sacs greater than 330 feet in length, the water main shall be looped through the side lot lines, of the lots near the end of the cul-de-sac, back to adjacent streets, as directed by the City Engineer. Easements shall be provided to the City in a manner consistent with the Subdivision Engineering & Design Manual.
53. Separate water services shall be installed for each residential property.
54. No permanent structures shall be constructed over proposed or existing utility easements.
55. Prior to the issuance of a building permit, water mains and fire hydrants to be installed by applicant shall be completed, tested, and accepted (UFC 10.502,10.503).
56. **Park Water Well:** Developer shall make provisions in the development of Tract 6614 for a city owned, operated, and maintained domestic water well located in the proposed five (5) acre park.
 - (a.) Developer shall ensure Pacific, Gas, and Electric provides adequate three phase power to the proposed park at a location approved by the City of Shafter. Preliminary estimates shows the City will require sufficient electrical power to provide 2,000 gpm against a 65 psi head.
 - (b.) Developer shall ensure 12 inch diameter pipe for all waterlines (minimum of two) extending from the well location to the tract boundary. City to pay cost of any over sizing of pipes that lead to or from the water well site.
 - (c.) This condition of approval is subject to the approval of the City Manager.

ENGINEERING: SEWER

57. Developer shall install a sewer system for the development together with such materials, pipeline, manholes, and individual services for the purposes of the development. Developer shall submit sewer improvement plans to the City Engineer for review and approval. Developer shall construct public sewer systems in accordance with Subdivision Engineering Design Manual for the subject property.
58. No properties shall be served by a septic system.
59. Sewer line size, location, slope, and materials shall be subject to the approval of the City Engineer. Minimum sewer line size, location, slope, and materials shall also be in accordance with the Subdivision Engineering Design Manual.
60. Tie-ins to existing sewer mains, manholes, or other structure shall be constructed as directed by the City Engineer.
61. Separate sewer services shall be installed for each property. At no time shall sewer be joint trench with water.
62. Sewer lines will not be permitted in easements between the back yards or side yards of single or multi-family lots.

63. No permanent structures shall be constructed over proposed or existing utility easements.
64. **SEWER IMPROVEMENT AGREEMENT:**
- (a.) Developer shall use reasonable efforts to enter into an agreement with the City of Shafter and other participating property owners to extend a sanitary sewer line along Beech Avenue that will provide service for each of the 431± buildable lots of Tract 6614 and the area labeled "NOT A PART"
 - (b.) This agreement between the developer and the City shall provide for extending the City's sewer system northerly along Beech Street to serve the City's upper east side area, of which Tract 6614 shall be considered a part thereof.
 - (c.) Tract 6614 will not be recorded until the applicant has entered into said sewer service agreement with the City of Shafter.
 - (d.) Other developers shall be required to enter into the same agreement with the City of Shafter for the extension of sewer facilities along Beech Street.
 - (e.) This agreement shall distribute the costs of the infrastructure improvement to each development based upon the number of Equivalent Dwelling Units (EDUs) within each development. One (1) residence is considered one (1) EDU.
 - (f.) This agreement shall provide for reimbursement to the developer and other property owners from non-participating property owners through a standard City reimbursement agreement.
 - (g.) Costs of the infrastructure improvement shall include all surveying, engineering, design, construction, testing, construction management, and administration.
65. Developer shall extend the proposed sewer system into the area labeled NOT A PART from one of the two cul-de-sac locations directly south of the area labeled NOT A PART. Developer shall provide easements for the sewer from the adjacent lots in accordance with these conditions.

ENGINEERING: STREET & TRAFFIC

66. "Redwood" shall be renamed.
67. Developer shall construct and provide right of way for all streets, curb, gutter, cross gutter, drainage facilities, sidewalks, street lights, drive approaches, intersections, and other related improvements for the purposes of the development. Developer shall submit street improvement plans prepared by a registered civil engineer to the City Engineer for review and approval and shall include:
- (a.) preliminary soils report - including R values taken from proposed road locations and infiltration tests taken from any proposed basin site(s);
 - i.) At least two (2) R-value tests will be taken for Beech Street, two (2) for Golds Street, two (2) for Tulare Avenue, two (2) for Fresno Avenue, and eight (8) for local interior streets dedicated for the development.
 - (b.) preliminary engineer's estimate of construction costs; and
 - (c.) plan check and inspection fees.
68. The drawings shall include all proposed public street pavement, curb, gutter, driveways, streetlights, cross gutter, catch basins, striping, signage, traffic signals, and sidewalks along the perimeter of all streets adjacent to or within the project site. Said improvement shall be constructed as per the street improvement plans approved by the City Engineer in a manner consistent with the Subdivision

69. Street Sections:

- (a.) The minimum allowable structural section for Golds Avenue shall be 0.27 feet of Asphalt Concrete (3/4" AR-4000) over 0.50 feet of Class II Aggregate Base over 1.0 feet native material moistened and compacted to city standards. Traffic Index =6.0. Assumed base soil R-Value of 45.
- (b.) The minimum allowable structural section for Beech Street shall be 0.38 feet of Asphalt Concrete (3/4" AR-4000) over 0.67 feet of Class II Aggregate Base over 1.0 feet native material moistened and compacted to city standards. Traffic Index =8.0. Assumed base soil R-Value of 45.
- (c.) The minimum allowable structural section for Tulare Avenue shall be 0.38 feet of Asphalt Concrete (3/4" AR-4000) over 0.67 feet of Class II Aggregate Base over 1.0 feet native material moistened and compacted to city standards. Traffic Index = 8.0. Assumed base soil R-Value of 45.
- (d.) The minimum allowable structural section for Fresno Avenue shall be 0.38 feet of Asphalt Concrete (3/4" AR-4000) over 0.67 feet of Class II Aggregate Base over 1.0 feet native material moistened and compacted to city standards. Traffic Index = 8.0. Assumed base soil R-Value of 45.
- (e.) The minimum allowable structural section for the following interior streets shall be 0.17 feet of Asphalt Concrete (3/4" AR-4000) over 0.33 feet of Class II Aggregate Base over 1.0 feet native material moistened and compacted to city standards. Traffic Index = 4.5. Assumed base soil R-Value of 45:
 - i.) Vine
 - ii.) Briarwood, including the roundabout
 - iii.) Audubon, including the roundabout
 - iv.) Woodward (from Almond to Driftwood)
 - v.) Almond (from Woodward to Audubon)
 - vi.) Driftwood (from Woodward to Briarwood)
 - vii.) Cottonwood
 - viii.) Redwood (to be renamed) (from Cottonwood to Sherwood)
 - ix.) Sherwood
 - x.) Tamarack
 - xi.) Park (from Tamarack to Alder)
- (f.) The minimum allowable structural section for all other local interior streets shall be 0.17 feet of Asphalt Concrete (1/2" AR-4000) over 0.33 feet of Class II Aggregate Base over 1.0 feet native material moistened and compacted to city standards. Traffic Index = 4.0
- (g.) Pavement structural section calculations shall be performed to verify the proposed structural sections and shall be submitted to and approved by the City Engineer with street plans. Calculations shall use the results of the R-value tests from the soils report.
- (h.) Minimum cross slope shall be 1.5% constructed. A minimum of 2% cross slope shall be designed and shown on plans.

70. Street Dimensions:

- (a.) Golds Street shall be developed as a major collector, half width, along the entire property line of the subject property, in accordance with standards and specifications of the City as approved by the City Engineer. Golds Street shall be forty-six (46) feet half right of way with thirty-four (34) feet centerline to flowline.

- (b.) Beech Street shall be developed as a modified arterial along the entire property line of the subject property, in accordance with standards and specifications of the City as approved by the City Engineer. A portion of Beech Street shall be offset ten (10) feet to the east at the intersection of Beech Street and Tulare Avenue. Beech Street shall be granted forty-six (46) feet of right of way from the development with an addition ten (10) feet as it approaches Tulare Avenue from the north. Flowline shall be constructed at thirty-four (34) feet centerline to flowline.
 - i.) Portions of the existing road shall be demolished and Beech Street shall be reconstructed to its centerline. Reconstruction beyond the centerline may be necessary if existing road profile will not accommodate new construction.
 - ii.) Final layout subject to the approval of the City Engineer.
- (c.) Tulare Avenue shall be developed as a major collector, half width, along the entire property line of the subject property, in accordance with standards and specifications of the City as approved by the City Engineer. Tulare Avenue shall be forty-six (46) feet half right of way with thirty-four (34) feet centerline to flowline.
 - i.) Portions of the existing road shall be demolished and Tulare Avenue shall be reconstructed to its centerline. Reconstruction beyond the centerline may be necessary if existing road profile will not accommodate new construction.
- (d.) Fresno Avenue shall be developed as a arterial, half width, along the entire property line of the subject property, in accordance with standards and specifications of the City as approved by the City Engineer. Fresno Avenue shall be fifty-five (55) feet half right of way with forty-one (41) feet centerline to flowline.
 - i.) The existing edge of paving of Fresno Avenue shall be sawcut and Fresno Avenue shall be constructed to match the paving at the sawcut line.
 - ii.) Provisions shall be made for both the design and construction of Fresno Avenue for a future fourteen (14) feet wide landscaped median centered on Fresno Avenue.
 - iii.) Developer shall transition Fresno Avenue back to a two lane road in a manner acceptable to the City Engineer.
- (e.) The following intersections shall be expanded to provide additional right of way for turning lanes in accordance with City standards. Dimensions are subject to approval by the City Engineer.
 - i.) Beech Street at Tulare Avenue
 - ii.) Golds Street at Tulare Avenue
 - iii.) Beech Street at Fresno Avenue
- (f.) All local streets shall be developed as full width streets in accordance with standards and specifications of the City as approved by the City Engineer. All local streets shall be fifty-two (52) feet full right of way with forty (40) feet flowline to flowline.
- (g.) Construction of the developers half of the median along Fresno Avenue may be eliminated upon developers payment of their half of the median costs along Fresno Avenue to the City of Shafter in satisfaction of Section 3.4.1 of the Orchard Park Specific Plan.

71. Developer shall proposed grades and locations for all curb & gutter located on the north and east sides of the area labeled NOT A PART inside the future rights of way. Developer shall not be required to construct street improvement along the frontages of the area labeled NOT A PART, but he shall be required to show that the street improvements required with the development of Tract 6614 will work with any future development of the area labeled NOT A PART.

72. Should a street transition to another street with a ninety (90) degree turn occur, that transition shall be a street knuckle and shall be shown on the final tract map and in the street improvement plans.

73. Cul-de-sac and street knuckle dimensions & radii to conform to the Subdivision Engineering Design Manual and/or the City Engineer. The use of offset cul-de-sacs is approved provided they meet the requirements of the City.
74. **Roundabouts:** Roundabout design including proposed rights of way, curb locations and radii, center landscaped area and radii, transitions, crosswalk locations, etc. are subject to the approval of the city engineer. For reference, the City Engineer will be analyzing submitted roundabout designs using the Federal Highway Administration document entitled "Roundabouts: An Informational Guide", FHWA-RD-00-67, June 2000.
75. **Enhanced Paved Drives:**
- (a.) Those areas identified within the Orchard Park Specific Plan as having "ENHANCED PAVED DRIVES" shall have their street sections designed in accordance with the previously listed TI's above and the R-Values from the soils testing.
 - (b.) Design sections and exact location of the "ENHANCED PAVED AREAS" shall be shown on the approved street plans.
 - (c.) Design samples shall be provided to the planning director for approval prior to construction of any "ENHANCED PAVED DRIVES".
 - (d.) Developer shall protect the decorative nature of any "ENHANCED PAVED DRIVES" from damage or abnormal wear & tear due to construction traffic. If "ENHANCED PAVED DRIVES" have been damaged or suffered abnormal wear and tear from construction traffic, then "ENHANCED PAVED DRIVES" shall be repaired or replaced at the discretion of the City Engineer.
76. The following streets shall be striped in accordance with the City Engineer and Caltrans Traffic Manual, latest edition. Proposed striping shall be shown on street plans.
- (a.) Tulare Avenue
 - (b.) Beech Street
 - (c.) State Avenue
 - (d.) Fresno Avenue
 - (e.) Roundabouts, if required by the City Engineer
77. In addition, the following streets shall be equipped with a bicycle lane per the City of Shafter Planning Circulation Element:
- (a.) Tulare Avenue
78. Street signs shall be installed per City standards as required by the City Engineer.
79. All utilities proposed under paving shall be installed prior to paving. Cover over utilities shall be a depth as approved by the City Engineer.
80. During construction, the applicant shall maintain the project, including adjacent streets in a dust free condition. This condition applies at all times including weekends, evenings and night time hours. During construction operations, cleanup of soil from the public roadways shall be required, if deemed necessary, by the City Engineer.
81. Driveway approaches shall be constructed in a manner consistent with the requirements for residential approaches as set forth in the City's Subdivision and Engineering Design Manual.

82. Sidewalk, including curb, shall be five (5) feet wide and shall be placed behind the curb on all streets. Transitions at intersections and wheelchair ramps shall be provided and installed per City's Subdivision and Engineering Design Manual.
83. Monument and monument covers shall be set per City Standards.
84. Temporary turnarounds, if required, including right of way, shall be granted, designed, & installed per the Subdivision and Engineering Design Manual.
85. Property line locations shall be marked with a chiseled line on the top of curb for all property lines. The location of all sewer laterals shall be indicated on the top of curb with a stamped "S".
86. Street lighting shall be installed in accordance with the City Engineering & Subdivision Design Manual as directed by the City Engineer. Developer shall coordinate with Pacific Gas & Electric to ensure that the street lights are established under the LS-2 rate schedule.
87. Secondary access easements shall be provided at the request of the City Engineer. Within any given phase of development, secondary access easements and improvements shall be provided in a manner approved by the City Engineer. Access roads shall be twelve (12) feet in width and shall consist of three (3) inches of class II aggregate base over six (6) inches of native material compacted to 90% relative maximum density.
88. A waiver of direct access shall be dedicated and shown on the final map along:
 - (a.) Along all proposed wall locations
 - (b.) Along the proposed rights of way for the proposed roundabouts.
89. Blue Botts' dots shall be placed at the center of the street for each fire hydrant.

ENGINEERING: LANDSCAPING

90. All landscaping plans including plants, irrigation equipment, points of connection to water lines, electrical services for timers, lighting, etc. shall be approved by the City Engineer prior to construction.
91. Masonry walls are to be installed at all locations shown in the approved specific plan. Developer shall provide landscape easements from adjacent lots where proposed walls are not constructed in side proposed or existing city rights of way. Wall layout and appearance shall adhere to Detail 9a of the Orchard Park Specific Plan. Steel tubular fencing shall be primed & painted or powder-coated in accordance with City requirements.
92. Wall plans, materials, dimensions, and construction shall be per the Orchard Park Specific Plans and shall be approved by City prior to construction.
93. All plants shall be from the approved list located within the Orchard Park Specific Plan or shall be approved by the planning director prior to installation. If any trees are to be planted under or near overhead utilities, then the trees shall be approved for use by the affected utility company.
94. Landscaping plans including irrigation timers, piping, sprinklers, fittings, plants, trees, turf shall be

approved by the City.

95. Landscaping plumbing & electrical shall be designed for all phases of the tract.
96. Plastic sleeves, minimum four (4) inches diameter schedule 40 pipe, shall be installed under proposed streets where landscaping waterlines or control wires pass under the street.
97. Developer shall place the entire subdivision within a new or pre-existing Landscape/Lighting Maintenance District, prior to recordation of the final map.
 - (a.) The maintenance district shall be set-up to cover the cost of street lighting, drainage basin maintenance, and landscaping maintenance, as well as all administrative costs associated with the City's management of the district.
 - (b.) The Developer shall be required to cover the cost of street lighting, maintain all landscaping, including the replacement of any trees or shrubs that do not survive, within public right-of-way and landscape easements for a period of six (6) months after final inspection of the landscape improvements, or until such time as the maintenance district is formed, whichever shall occur last.
 - (c.) Developer shall be fully responsible for the formation, and formation cost of the Landscape/Lighting Maintenance District, as directed by the City Engineer.
 - (d.) Developer shall be fully responsible for paying the cost of water for all landscaping and electricity for the street lights until such time as the maintenance district is formed.

PLANNING

98. All development shall be in conformance with the Orchard Park Specific Plan and Shafter Development Code, as applicable.
99. In lieu of the construction of alleys, Developer shall pay refuse capacity fee as required by Ordinance No. 351. Refuse capacity fee shall be due and payable prior to recordation of a Final Map.
100. The Shafter-Wasco Irrigation District (SWID) has two turnouts (2-1.6s and 2.1.8s) on the subject site. Prior to recordation of Tract 6614, or any phase of Tract 6614 adjacent to said turnout pipes, developer must make a request to the SWID Board to remove the outlets at developers expense and in coordination with SWID time frames. Prior to commencing any work, developer should Contact Ron Sutton (Field Superintendent) with SWID to review construction requirements adjacent to and over SWID pipelines.
101. All architectural features and house sizes of each single-family residence shall be in compliance with the Orchard Park Specific Plan and approved by the Shafter Planning Department prior to issuance of each building permit. All landscaping requirements set forth in Section 2.80, Chapter 2, Title 17 of the Shafter Municipal Code (Design Review) shall be adhered to. All roofs constructed within TT 6614 shall be of concrete tile or Prestique I High Definition manufactured by ELK Corporation in Shafter, its equivalent, or better.
102. All roof-mounted air conditioning equipment shall be located on the rear portion of the roof ridge line in such a manner as to be screened as much as practical from view from public streets.

103. With the exception of model houses, as provided in Section 3.080, Chapter 3, Title 16 (Subdivision Ordinance) of the Shafter Municipal Code, no building permit shall be issued by the City until TT 6614 has been recorded pursuant to the requirements of Title 16 (Subdivision Ordinance) and Title 17 (Zoning Ordinance) of the Shafter Municipal Code.
104. "Park Lane" and "Aspen" are street names currently used in City limits. "Tamarack" is similar to "Tamara" which is a current street name. Prior to recordation of Tract 6614, or any phase which includes the noted street names, developer shall provide additional street names to City staff for checking with the Shafter Police Department.
105. The developer of Tract 6614 shall comply with all San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) requirements while grading and developing the site. It is the developers responsibility to contact the SJVUAPCD to determine which requirements/rules the developer must comply with.
106. At the time of issuance of building permits for single family dwellings within Tract 6614, developer shall pay \$5,700 per single family dwelling unit or an amount that may subsequently be adopted by the Shafter City Council, whichever is less as a traffic impact fee.
107. Fiber to the Home Infrastructure. CITY intends to deploy a CITY-owned high-speed "Fiber to the Home" network. Prior to recordation of Tract 6614, or any phase of Tract 6614, the Developer shall provide in ground conduit and necessary appurtenances within the tract and within arterial and collector roads adjacent to Tract 6614, (or any phase of Tract 6614) in order to implement the City's Fiber to the Home infrastructure project.
108. Public Safety Funding Mechanism. At the time of building permit issuance for single family dwellings within Tract 6614, developer shall pay to City the following public safety fees, consisting of the following two (2) components: (1) a one-time public safety fee of three hundred dollars (\$300.00) per dwelling unit, plus twenty cents (\$.20) per square foot of such dwelling unit; and 2) an ongoing, annual levy of: (a) three hundred fifty (\$350.00) per dwelling unit for single family dwelling units. Developer will cooperate with CITY in the formation of one or more funding mechanisms, including without limitation, one or more assessment districts, community facilities districts, capital facility fee program, or other financing mechanism (individually a "Funding Mechanism") for the purpose of financing such public safety fees for the Project. The Funding Mechanism shall be formed prior to the recordation of the first final map for the Project or all acts necessary to be taken by the Developer to cause to be formed or joined the Funding Mechanism shall have been taken prior to the recordation of the first final map for the Project. Any such Funding Mechanism shall for the ongoing annual levy, including, at a minimum, an automatic increase over the levy for the immediately preceding levy, to the extent permitted under applicable law.
109. At the time of issuance of the 50th building permit for the tract or any combination of phases related to Tract 6614, the developer shall begin construction of the park improvements. The park shall be fully constructed by Developer within 8 months of beginning construction on the park. The term "fully constructed" used above shall include the supply & construction of the following amenities:
- (a) Fully automatic irrigation system including water services, backflow preventers, pumps, timers, automatic control valves, piping, fittings, sprinklers, all supplied and installed in accordance with city standards.
 - (b) Grass, turf, and plants in dedicated landscaping areas.

- ©) Sewer & water service for future public restroom facilities at locations approved by the City Engineer
- (e.) 24 inch box trees
- (f.) Playground areas
- (g.) Covered Picnic tables / Barbeque equipment

The term "fully operable" used above shall mean that all hardware or equipment supplied has been installed in accordance with City Standards or manufacturer's requirements, has been inspected for conformance with applicable codes and passed, and is ready for use by the city of the public in general.

Development of the park by developer shall be considered 100% credit for all City park and Quimby fees.

- 110. The term "accepted by the City of Shafter City Council" shall mean that a NOTICE OF COMPLETION AND ACCEPTANCE OF WORK has been filed and recorded on behalf of the park project via action by the City Council of the City of Shafter.
- 111. Developer shall submit plans for the park to the Planning Director and City Engineer showing all amenities required by the Orchard Park Specific Plan. Park Plans, including grading and landscaping plans, shall be sufficiently detailed to allow the city to approved the design and equipment or materials specified.
- 112. Prior to recordation of Tract 6614, or any phases of Tract 6614 adjacent to Fresno Avenue and/or Beech Avenue, developer shall contact Jerry Alvarez with Southern California Gas Company to determine the impact of this tract map upon southern California Gas company facilities located within Beech Avenue and Fresno Avenue.
- 113. Prior to any excavation work on site, developer shall contact Vintage Petroleum and the State of California Department of Oil, Gas, and Geothermal Resources (DOGGR) to determine the location of any/all pipelines and/or abandoned or plugged oil wells. If any oil wells are discovered during grading, the developer shall be responsible to plug the wells pursuant to DOGGR standards and by DOGGR permit.
- 114. The following disclosure shall be placed upon the final subdivision map and included on all deeds for property transfers within Tract 6614: "If your real property is near property used for agricultural operations and/or keeping of large hoofed animals, you may be subject to inconveniences or discomforts arising from such operations on any 24 hour basis. Said discomforts may include, but not be limited to equipment noises, odors from manure or other chemicals, and dust or smoke. The City has determined that the use of real property for agricultural operations is a high priority and favored use to the City and Kern County and will not be considered a nuisance for those inconveniences or discomforts arising from agricultural operations, provided such operations are consistent with accepted customs, standards, and laws."

115. Prior to recordation of Tract 6614, the master developer of Tract 6614 and Richland School District staff shall meet and come up with a school bus stop plan to accommodate residents of Tract 6614.

BUILDING

116. At least two access points for ingress and egress of emergency vehicles to the subdivision are required. The Kern County Fire Department requests that the phase line be moved to the east to the back of the lots on the east side of Sparkleberry Lane.
117. Private drives constructed of Portland cement-concrete shall be constructed at a minimum width of 16 feet from the edge of public roadway pavement to the garage of each house.
118. Prior to permitting occupancy of any lot, building addresses shall be permanently installed and clearly visible from the street.

MITIGATION MEASURES FROM THE ADDENDUM

MM3b-1. Incorporate Control Measures to Reduce Construction-Generated Fugitive Dust and Exhaust Emissions. The project applicant and contractor(s) shall adhere to the following measures during all phases of construction:

1. Properly and routinely maintain all construction equipment, as recommended by manufacturer manuals, to control exhaust emissions.
2. Shut down equipment when not in use for extended periods of time to reduce emissions associated with idling engines.
3. Encourage ride sharing and use of transit transportation for construction employee commuting to the project sites.
4. Use electric equipment for construction whenever possible in lieu of fossil fuel-fired equipment.
5. Curtail construction during periods of high ambient pollutant concentrations; this may include ceasing of construction activity during the peak-hour of vehicular traffic on adjacent roadways.
6. All disturbed areas, including storage piles, which are not being actively utilized for construction purposes, shall be effectively stabilized of dust emissions using water, chemical stabilizer/suppressant, covered with a tarp or other suitable cover, or vegetative ground cover.
7. All onsite unpaved roads and offsite-unpaved access roads shall be effectively stabilized of dust emissions using water or chemical stabilizer/suppressant.
8. All land clearing, grubbing, scraping, excavation, land leveling, grading, cut and fill, and demolition activities shall be effectively controlled of fugitive dust emissions utilizing application of water or by presoaking.
9. When materials are transported off site, all material shall be covered or effectively wetted to limit visible

dust emissions, and at least six inches of freeboard space from the top of the container shall be maintained.

10. All operations shall limit or expeditiously remove the accumulation of mud or dirt from adjacent public streets at the end of each workday. (The use of dry rotary brushes is expressly prohibited except where preceded or accompanied by sufficient wetting to limit the visible dust emissions. Use of blower devices is expressly forbidden.)

11. Following the addition of materials to, or the removal of materials from, the surface of outdoor storage piles, said piles shall be effectively stabilized of fugitive dust emissions utilizing sufficient water or chemical stabilizer/suppressant.

12. Within urban areas, trackout shall be immediately removed when it extends 50 or more feet from the site and at the end of each workday.

13. Any site with 150 or more vehicle trips per day shall prevent carryout and trackout.

14. Asphalt and concrete paving shall comply with San Joaquin Valley Air Pollution Control District Rule 4641 and restrict the use of cutback, slow-cure, and emulsified asphalt paving materials.

15. Cease grading activities during periods of high winds (greater than 20 mph over a one-hour period).

16. Limit construction-related vehicle speeds to 15 mph on all unpaved areas at the construction site.

17. Implementation of carryout/trackout mitigation measures, such as gravel pads, in accordance with the requirements of the SJVAPCD Regulation VIII.

MM3b-2. Develop and Implement Emissions Offset Program to Compensate for Project-Related Emissions. Prior to the issuance of the first building permit, the project applicant shall enter into an agreement with the SJVAPCD for the mitigation of NOx and ROG emissions. This agreement may include, but is not limited to, the payment of fees to the district for the purpose of offsetting project emissions. Examples of such a program would be the purchase of new diesel engines for heavy-duty trucks and agricultural equipment, retrofitting diesel engines with controls (e.g., oxidation catalyst, diesel particulate filter), and conversion of City-owned vehicles from gasoline and diesel to compressed natural gas engines. This emissions offset program shall be coordinated with and approved by the SJVAPCD and based on estimates of achievable emissions reductions.

This offset program would reduce emissions in sufficient quantities such that the net increase in regional emissions would be below significance thresholds.

MM5b-1. During construction, if archaeological resources, or specimens suspected of being archaeological resources, are encountered, alteration of earth material in the vicinity of the find shall be halted until a qualified archaeologist can evaluate the find and record significant cultural resources. Construction activity in the vicinity of the find may be halted until the find can be appropriately excavated and recovered. Areas found to contain significant artifacts shall be examined by a qualified archaeologist for recommendations concerning protection and preservation.

MM5c-1. During construction, if fossils or other paleontological resources are encountered, alteration of earth material in the vicinity of the find shall be halted until a qualified paleontologist can evaluate the find

and record significant resources. Construction activity in the vicinity of the find may be halted until the find can be appropriately excavated and recovered. Areas found to contain significant fossils shall be examined by a qualified paleontologist for recommendations concerning protection and preservation.

MM5d-1. If human remains are encountered during a public or private construction activity, State Health and Safety Code 7050.5 states that no further disturbance shall occur until the Kern County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The Kern County Coroner must be notified within 24 hours. If the coroner determines that the burial is not historic, but prehistoric, the Native American Heritage Commission (NAHC) must be contacted to determine the most likely descendant (MLD) for this area. The MLD may become involved with the disposition of the burial following scientific analysis.

MM7b-1. Prior to construction of residential units adjacent to the existing oil sump, the sump shall be excavated and cleaned up in accordance with DOGGR regulations.

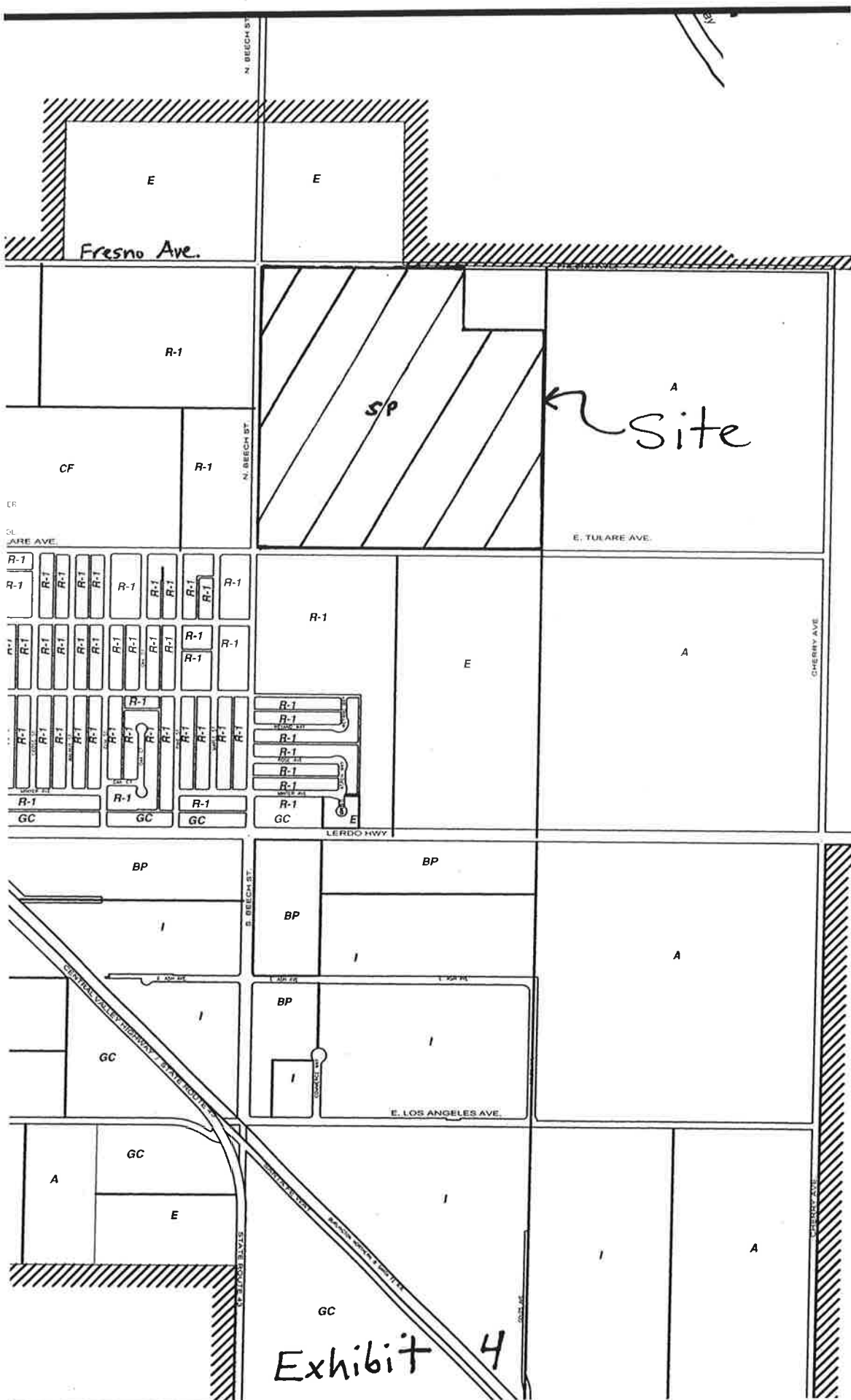
MM7b-2. Prior to the approval of grading permits, transformers associated with onsite powerpoles shall be removed by a qualified hazardous materials specialist as coordinated by PG&E to the satisfaction of the City of Shafter.

MM15a-1. Prior to occupancy of the residential units, a traffic signal shall be installed at the intersection of Santa Fe Way and Beech Avenue. This improvement may be provided by the project applicant or by the City. In the latter case, the developer would be required to pay a proportionate share of the cost for installation of the traffic signal. This development's proportionate share of the overall cost would be 8.86 percent of the total cost for the traffic signal. Because the proportionate share is so low, it is recommended that this improvement be provided by the City with the applicant to pay the fair share, and the City to collect the remaining share of the cost from other future developers. Alternatively, should the applicant provide this improvement, the developer shall be credited for the costs above and beyond the fair share contribution.

MM15a-2. Prior to occupancy of the residential units, a traffic signal shall be installed at the intersection of Beech Avenue and Tulare Avenue. This improvement may be provided by the project applicant or by the City. In the latter case, the developer would be required to pay a proportionate share of the cost for installation of the traffic signal. This development's proportionate share of the overall cost would be 47 percent of the total cost for the traffic signal. Because the proportionate share is so low, it is recommended that this improvement be provided by the City with the applicant to pay the fair share, and the City to collect the remaining share of the cost from other future developers. Alternatively, should the applicant provide this improvement, the developer shall be credited for the costs above and beyond the fair share contribution.

MM15a-3. Prior to occupancy of the residential units, a westbound left turn pocket shall be constructed at project entrance and Fresno Avenue and a southbound left turn pocket shall be constructed at Beech Avenue and project entrance.

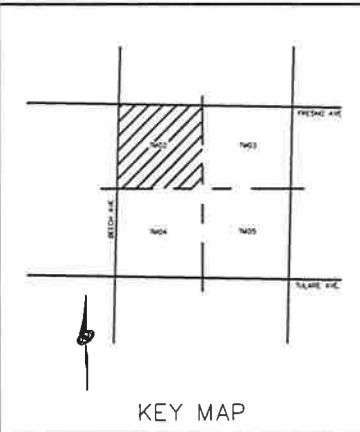
****** Signalization improvements contained in Mitigation Measures 15a-1 & 15a-2 (above) are part of the City of Shafter's Transportation Impact Fee (TIF) Program being prepared at this time. Once the TIF program has been adopted by the City of Shafter, the developer is relieved from payment of a percentage for the signal noted in Mitigation Measures 15a-1 & 15a-2.



- # OF LOTS: 432
#OF BUILDABLE LOTS: 431
APPROX. LOTS/ACRES: 3

Exhibit 5

DATE SUBMITTED: 8/17/06
 PREPARED FOR:
 SAGE SHAFTER I, LLC



TENTATIVE
 TRACT
 #6467

- LEGEND:
- PERIMETER BLOCK WALL
 (LOCATED 1' OUTSIDE R.O.W.)
 - PASEO BLOCK WALL
 - 6' HIGH RETENTION BASIN
 - BLOCK WALL
 - CHAIN LINK FENCE
 - WAIVER OF DIRECT ACCESS

NOLTE
 BEYOND ENGINEERING

1930 HOWARD ROAD, SUITE 125
 558.8615220 TEL. 558.8614440 FAX
 MADERA, CA 93637
 WWW.NOLTE.COM

TENTATIVE
 TRACT
 #6704



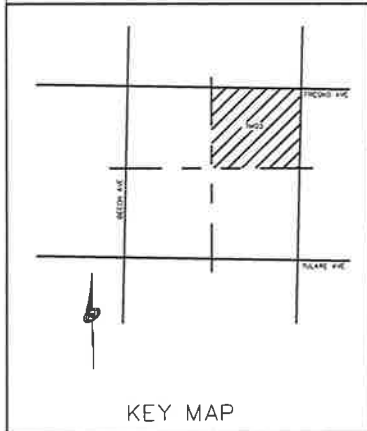
TENTATIVE
 TRACT
 6614

SHEET NUMBER
 TM02
 OF 18 SHEETS

JOB NUMBER
 MTB013700

Exhibit 5 - Sheet 2

DATE SUBMITTED: 8/17/06
 PREPARED FOR:
 SAGE SHAFTER I, LLC



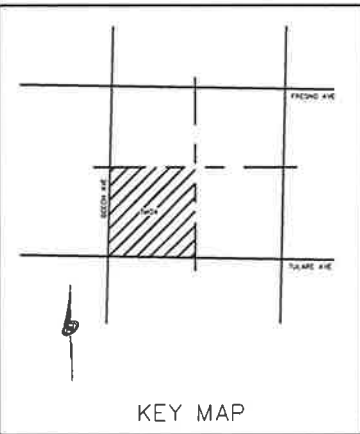
NOLTE
 BEYOND ENGINEERING

1830 HOWARD ROAD, SUITE 125
 950.0916220 TEL 558.0614440 FAX

MADERA, CA 93637
 WWW.NOLTE.COM

Exhibit 5 - Sheet 3

DATE SUBMITTED: 8/17/06
 PREPARED FOR:
 SAGE SHAFTER I, LLC



- LEGEND:
- PERIMETER BLOCK WALL (LOCATED 1' OUTSIDE R.O.W)
 - PASEO BLOCK WALL
 - 6" HIGH RETENTION BASIN
 - BLOCK WALL
 - CHAIN LINK FENCE
 - WAIVER OF DIRECT ACCESS

NOLTE
 BEYOND ENGINEERING

1930 HOWARD ROAD, SUITE 125
 559.061.5220 TEL 559.061.4440 FAX

MADERA, CA 93637
 WWW.NOLTE.COM



GRAPHIC SCALE
 50 0 50 100
 (IN FEET)
 1 inch = 100' PL

TENTATIVE
 TRACT
 6614

SHEET NUMBER
 TM04
 OF 18 SHEETS

JOB NUMBER
 MTB013700

Exhibit 5 - sheet 4

DATE SUBMITTED: 8/17/06
 PREPARED FOR:
 SAGE SHAFTER I, LLC

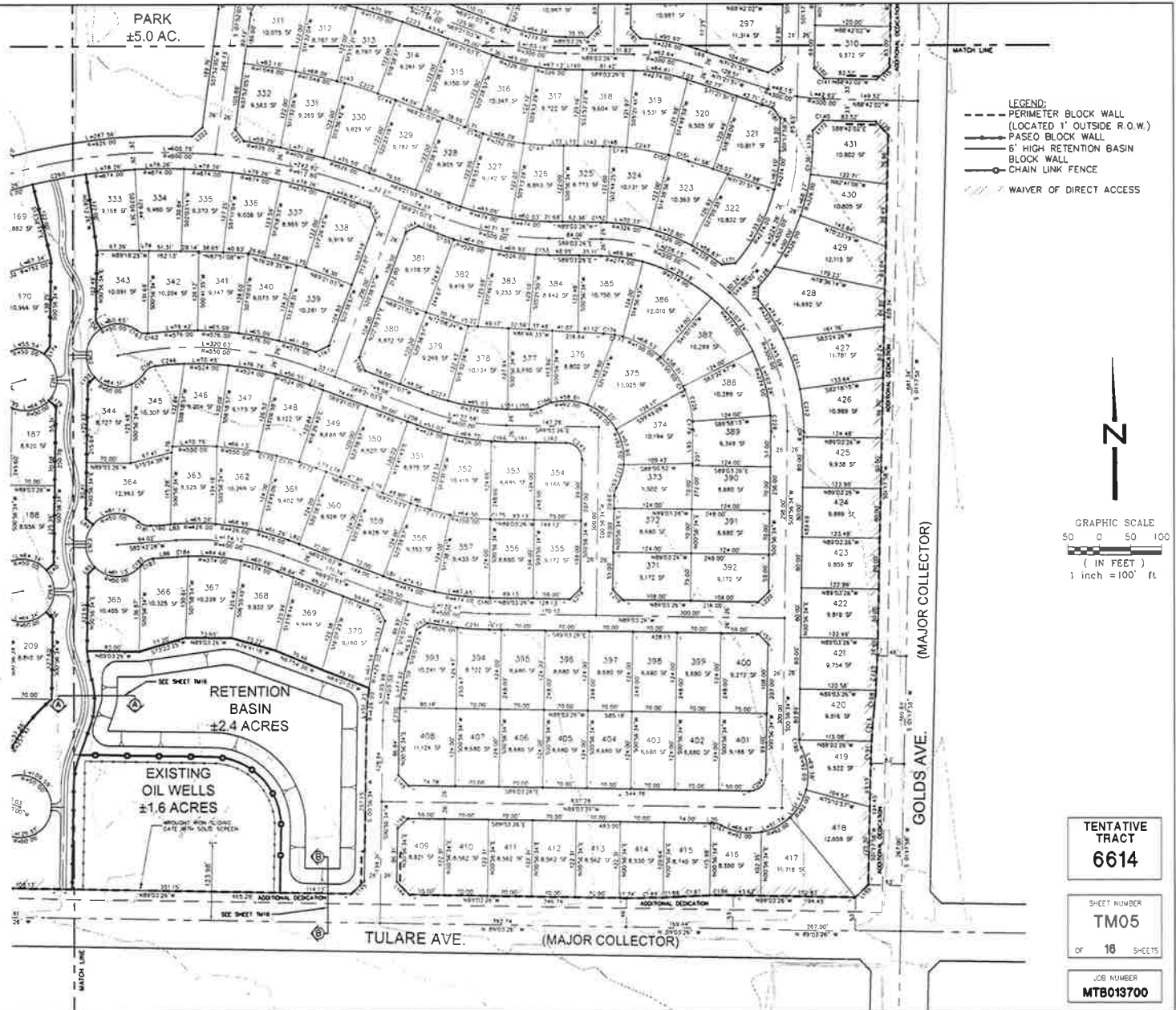
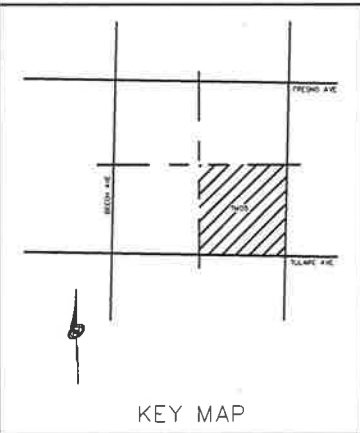


Exhibit 5 - sheet 5

BOND OPPORTUNITIES FOR LAND DEVELOPMENT

BOLD Program



The BOLD Program

Community Facilities District Basics

Under the BOLD Program, CMFA will create Community Facility Districts to finance eligible improvements and local agency fees.

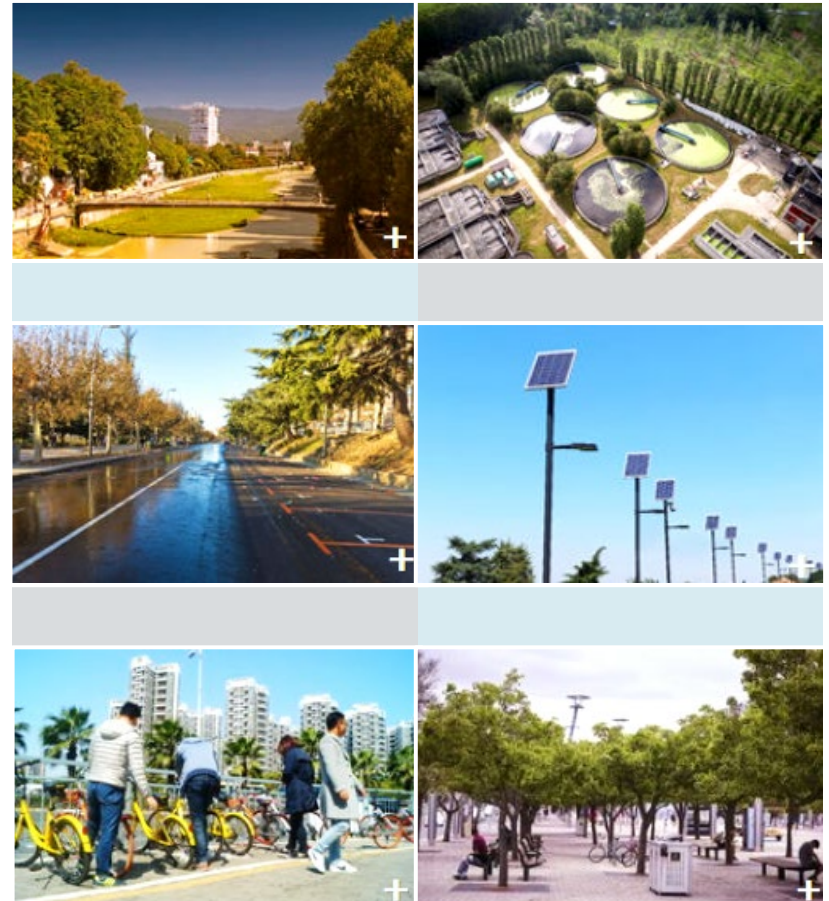
Eligible improvements are extremely flexible and include:

- Streets and Sidewalks
- Sewer and Water Treatment Capacity
- Water and Sewer Lines
- Flood Control
- Parks
- Open Space
- Street Lighting
- School Facilities

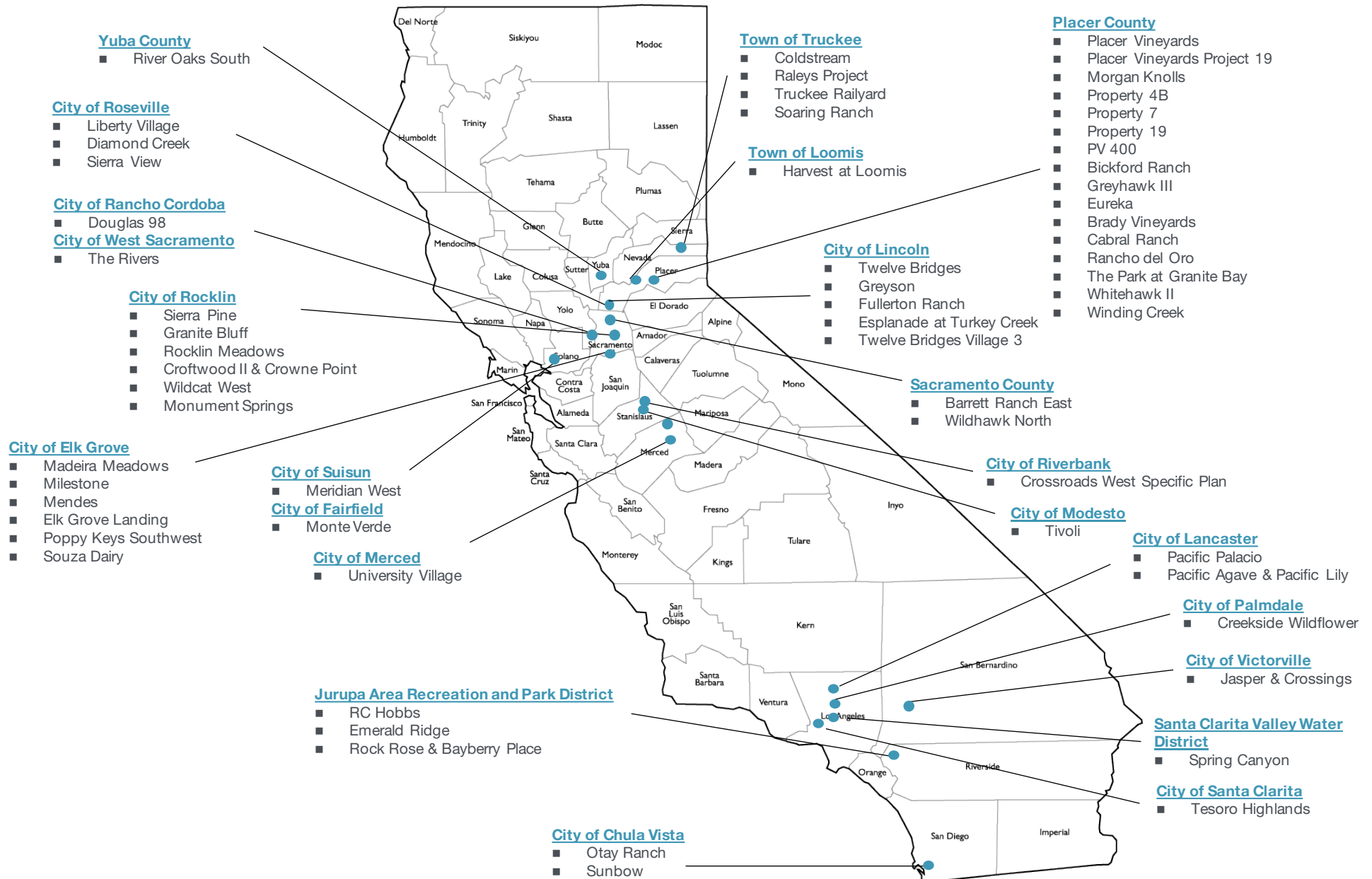
Additionally, the **BOLD Program** allows for the financing of fees, including:

- City and Fees or County Fees (may require agreement)
- School Fees (requires an agreement with the school district)
- Special District (requires agreement)

The **BOLD Program** also allows for the ongoing funding of services.



Developer Projects



The BOLD Program

Local Agency Benefits

- 1
 - Outsourcing of the CFD and formation and bond issuance process
 - Limited local agency participation
- 2
 - No cost to join the program and any administrative costs that are borne by the local agency are reimbursed
- 3
 - Tax bills reflect CMFA and not the local agency name
- 4
 - No ongoing continuing disclosure requirement (unlike if local agency issued bonds)
- 5
 - Local Agency Council actions limited to Joining CMFA, joining BOLD and approving acquisition agreement
- 6
 - Bond documents and actions all undertaken by CMFA
- 7
 - Provides funding source for new public improvements and impact fees
- 8
 - BOLD team conducts detailed review of Developer payment requests and administers disbursement of CFD bond proceeds upon obtaining local agency approvals
- 9
 - In the case of default no liability to the local agency

The BOLD Program

What is the BOLD Program and why is it being offered?

- Bond Opportunities for Land Development (BOLD) is a financing program offered by the California Municipal Financing Authority (CMFA) that allows for the financing of public infrastructure and impact fees for development projects.
- Any public agency can participate in the BOLD program, which offers low-cost, tax-exempt financing for development projects.
- To facilitate the program, Community Facilities Districts (CFDs) will be formed, managed and administered by CMFA, and minimal public agency efforts will be required in the process. The formation of a CFD will not necessitate the issuance of bonds or payment of debt service until a project is ready to issue debt.
- A CFD may be formed for a project with bonds issued at a later time when it best meets the project's development timeline.
- Bonds will be issued at multiple times throughout the year and may include more than one CFD, offering the advantage and option of low-cost, pooled financing



The BOLD Program

Local Agency Requirements

- A Local Agency is required to become a Member of CMFA (CMFA Membership is free)
- Local Agency may have a consultant review the financing plan to ensure that it meets with the Local Agency's Goals and Policies
- The Local Agency adopts a Resolution consenting to use BOLD (**Sample Resolutions are available from Jones Hall**)



- Jones Hall will approve the eligibility of improvements and fees based on consultation with Local Agency
- An acquisition agreement will be executed between the Local Agency and CMFA to reimburse the developer for public improvements and/or fees
- The Local Agency will accept completed improvements and/or fees, and requisition of funds

The BOLD Program

CFD Formation Steps

- | | | |
|--|---|--|
| <ul style="list-style-type: none">■ Developer submits application for their project to participate in BOLD<ul style="list-style-type: none">● An Application for the program is available as a PDF document that can be filled out and submitted to CMFA online. | <ul style="list-style-type: none">■ BOLD team works with applicant and local agencies to determine which facilities and impact fees are eligible to be funded with tax-exempt bond proceeds or, if needed, taxable bonds<ul style="list-style-type: none">● Tax-exemption - Fees must be used on eligible capital projects and be expended within 3 years | <ul style="list-style-type: none">■ Local Agency agrees to approve the project's participation in BOLD<ul style="list-style-type: none">● Local Agency does not issue debt or provide ongoing administration and continuing disclosure documents |
|--|---|--|

Developer provides deposit to CMFA to pay for formation of the CFD

Special tax consultant drafts the Rate and Method of Apportionment and prepares CFD boundary map

CFDs are established by CMFA and special taxes are billed in CMFA's name

Formation proceedings are conducted by CMFA

Public hearing and landowner vote are conducted by CMFA

CFDs can be formed in as little as 3 months

The BOLD Program

An Introduction to the Financing Team

- In creating the BOLD Program, CMFA has brought together a talented team with expertise in development finance

Jones Hall	Piper Sandler	KGPF	Goodwin Consulting Group	Francisco & Associates
1	2	3	4	5
Bond and Disclosure Counsel ■ Draft formation documents ■ Draft bond documents ■ Prepare disclosure document	Banking and Underwriting ■ Review Rate & Method of Apportionment ■ Structure bonds ■ Market and Sell bonds to investors	Special Tax Consultant (Southern California) ■ Prepare CFD boundary maps ■ Prepare Rate & Method of Apportionment ■ CFD Administration ■ Continuing Disclosure	Special Tax Consultant (Northern California) ■ Prepare CFD boundary maps ■ Prepare Rate & Method of Apportionment ■ CFD Administration ■ Continuing Disclosure	Program Administrator ■ Coordinate approval of Acquisition Agreement, including list of eligible improvements and fees. ■ Perform review of Developer payment requests and administer disbursement of CFD bond proceeds.



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: David Franz, Community Services Director

SUBJECT: CIVIC ENGAGEMENT WITH STUDENT COUNCILS

RECOMMENDATION

Council find that the action is not defined as a “project” under Section 15378(b)(5) of the CEQA Guidelines; approve the invitation for student councils from Grow Academy, Richland Junior High, and a subset of Shafter High School (6 students) to meet with City staff, shadow City Council at a meeting, receive City polo shirts, and participate in a trip to Sacramento to meet elected officials and tour the Capitol. Confirm that this expenditure does not constitute a gift of public funds.

BACKGROUND

For many years, the City engaged annually with Richland Junior High’s student council, providing opportunities for students to visit City Hall and the Capitol in Sacramento. This initiative was paused due to the COVID-19 pandemic, but restarted last year with students from the Shafter High and Grow Academy student councils.

FISCAL IMPACT

	Students	Advisors	City Council and Staff	Shirts (Students only)	Travel: Charter Bus (Up to 50 travelers)	Meals Per Diem (Max first day rate \$51.75)	Total
Richland Jr. High	6	1	0	\$120	\$0	\$362	\$482
Grow Academy	9	1	0	\$180	\$0	\$518	\$698
Shafter High	6	1	0	\$120	\$0	\$362	\$482
Other	0	0	2		\$0	\$104	\$104
Total	21	3	2	\$420	\$4,000	\$1,346	\$5,766

If approved by the City Council, this cost will be under City Council budget. The expenditure does not constitute a gift of public funds as 1) it is available to all local schools, and 2) it promotes the City of Shafter positively by involving local students in civic engagement.

CEQA ANALYSIS

The action is not defined as a “project” per Section 15378(b)(5) of the CEQA Guidelines because the action is approval of an invitation for student councils to meet with City

MANAGEMENT REPORT

CIVIC ENGAGEMENT WITH STUDENT COUNCILS

staff, shadow City Council at a meeting, receive City polo shirts, and participate in a trip to Sacramento to meet elected officials and tour the Capitol and therefore, it is organizational and administrative activity that will not result in direct or indirect physical changes to the environment and not subject to CEQA.

APPROVED BY THE CITY ATTORNEY

ATTACHMENTS

None



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Rogelio Sanchez, Finance Director

SUBJECT: FOLLOW-UP DISCUSSION ON ANNUAL ALLOCATION OPTIONS
FOR COMMUNITY EVENTS FUNDING

RECOMMENDATION

Council find the action is not defined as a “project” per Section 15378(b)(4) of the CEQA Guidelines; that the City Council should review and consider the options for funding community events, providing direction to the management team on the preferred allocation approach.

BACKGROUND

The October 15, 2024, staff report proposed an annual discretionary allocation of \$4,000 per Council Member for community events. Following that report, the City Council requested that the management team present a range of options for consideration to better align funding with community priorities. In response, this report presents three alternative approaches for the allocation of funds in support of these events, enabling flexibility in funding while addressing community needs.

OPTIONS FOR CONSIDERATION:

1. In-Kind Contributions through Direct Cost Allocation
Departments contribute directly to community events through in-kind support, which includes labor and other M&O expenses.
2. Annual \$4,000 Discretionary Allocation per Council Member
Similar to the October 15 proposal, each Council Member receives an annual discretionary fund of \$4,000 dedicated to community events.
3. Status quo as "Community Events" account
Retains the current allocation method with a \$40,000 budget pool for community events, managed centrally without specific Council Member discretion.

The management team will present a PowerPoint during the November 5, 2024, meeting to facilitate discussion. This presentation will allow the City Council to ask questions and offer guidance on the proposed options. It will also include cost information reflecting expenses already covered within the City’s existing operating budget.

FISCAL IMPACT

MANAGEMENT REPORT

FOLLOW-UP DISCUSSION ON ANNUAL ALLOCATION OPTIONS FOR COMMUNITY EVENTS FUNDING

There is no fiscal impact or need for a budget amendment, as the proposed allocations remain within the existing approved budget. Any budget reallocations will depend on Council direction based on the options previously discussed.

CEQA ANALYSIS

The action is not defined as a “project” per Section 15378(b)(4) of the CEQA Guidelines because the action is the approval of a discretionary reallocation of existing budgeted amounts related to community events; therefore, it is the creation of a governmental funding mechanism or other fiscal activity that does not involve any commitment to a specific project that can result in a potentially significant impact and not subject to CEQA.

APPROVED BY THE CITY ATTORNEY

No

ATTACHMENTS

None



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Johnny Rubio, IT Manager

SUBJECT: REPORT ON THE AMERICAN RESCUE PLAN ACT FUNDED
VETERANS PARK PUBLIC SAFETY CAMERAS AND WIRELESS
PROJECT

RECOMMENDATION

Council receive and file. This item is for informational purposes only.

BACKGROUND

The Veterans Park was identified as the most ready to introduce technology due to the fiber optic infrastructure route that was built. Enhancements have been made at the Veterans Park to improve the quality of life for our residents by introducing free Wi-Fi, and adding a layer of security with the addition of public safety cameras. The network has been built as a stand-alone network for both security and performance. The wireless network, tagged as 'Shafter Heroes', has been designed to allow up to 1,000 devices at any given time to connect to the internet.

FISCAL IMPACT

Approved ARPA funds were utilized to fund this project.

CEQA ANALYSIS

The item is informational only and therefore, there is no discretionary action that triggers CEQA review for this item.

APPROVED BY THE CITY ATTORNEY

No

ATTACHMENTS

None



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Lance Lippincott, City Manager

SUBJECT: RECLASSIFICATION OF DEPARTMENT HEADS TO DIRECTORS
AND APPROVAL OF SALARY ADJUSTMENTS

RECOMMENDATION

Council approve the reclassification of the HR and IT Managers to Directors commensurate with the responsibilities of the positions; and approve salary adjustments for HR, IT, and Planning Directors to Range 384 of the Non-Represented/Non-Sworn pay schedule; and authorize a budget amendment for FY 24/25 in the amount of \$44,736 (\$14,912 per department).

BACKGROUND

Personnel System Rule 3.3 grants the City Manager the authority to continually review the City's classification plan for decision-making on compensation, selection, employee development, career advancement, and other personnel activities. Changes in classifications that result in a salary that falls outside the limits of the department budget require City Council approval.

A comprehensive review of the HR, IT, and Planning management roles has identified significant disparities in both classification and compensation when compared to other director-level positions within the City. Currently, the HR and IT roles are classified as "managers," though they perform responsibilities and duties equivalent to other director-level positions in the City. The Planning Director, while appropriately classified, also faces a substantial compensation gap compared to other city directors with similar levels of responsibility.

To address these discrepancies, this report recommends reclassifying the HR and IT Managers as Directors and adjusting the salaries for all three positions. These adjustments will reflect the complexity and importance of their positions while promoting fairness and alignment with market and internal equity standards.

FISCAL IMPACT

The HR, IT, and Planning Directors are currently at Step E, with a biweekly salary of \$5,571. Under the proposed salary adjustment, all three directors would move to Step A of the new salary range, with a biweekly salary of \$6,503. This change would increase annual compensation by \$24,232 per director, totaling \$72,696 for all three positions.

In the long term, the fiscal impact is projected to be approximately \$166,000 once the

RECLASSIFICATION OF DEPARTMENT HEADS TO DIRECTORS AND APPROVAL OF SALARY ADJUSTMENTS

directors reach Step E, assuming a 1% COLA within the next five years. For the FY 24/25 budget, based on an effective date of November 5, 2024, the fiscal impact per department is \$14,912, or a total combined budget adjustment of \$44,736.

CEQA ANALYSIS

The action is not defined as a “project” per Section 15378(b)(5) of the CEQA Guidelines because the action is an organizational and administrative activity that will not result in direct or indirect physical changes to the environment and is not subject to CEQA.

APPROVED BY THE CITY ATTORNEY

ATTACHMENTS

1. Directors Compensation Analysis



Memo

Date: October 22, 2024
To: City Manager Lance Lippincott
From: HR/Risk Manager Carol Chavolla
Subject: **HR, IT, and Planning Directors Compensation Analysis**

This report seeks to evaluate and support the proposal to adjust the compensation of the HR, IT, and Planning Directors to match that of other director-level positions within the City. The proposed adjustment is based on comparable job complexity, required skill sets, market standards, and internal equity. These factors highlight the essential roles these departments play in the City's operational and strategic success.

Background:

Personnel System Rule 3.3 grants the City Manager the authority to continually review the City's classification plan for decision-making on compensation, selection, employee development, career advancement, and other personnel activities. Changes in classifications that result in a salary that falls outside the limits of the department budget require City Council approval.

A comprehensive review of the HR, IT, and Planning management roles has identified significant disparities in both classification and compensation when compared to other director-level positions within the City. Currently, the HR and IT roles are classified as "managers," though they perform responsibilities and duties equivalent to other director-level positions in the City. The Planning Director, while appropriately classified, also faces a substantial compensation gap compared to other city directors with similar levels of responsibility.

To address these discrepancies, this report recommends reclassifying the HR and IT Managers as Directors and adjusting the salaries for all three positions. These adjustments will reflect the complexity and importance of their positions while promoting fairness and alignment with market and internal equity standards.

Job Complexity and Responsibility:

- **HR Director:** Oversees comprehensive workforce management, including recruitment, employee relations, labor relations, and benefits administration, while ensuring compliance with labor laws and regulations. Manages citywide risk through insurance, safety programs, and workers' compensation claims while also developing strategies to mitigate legal and operational risks. This role impacts every City department through staffing, employee development, and risk management.
- **IT Director:** Manages critical technology infrastructure, cybersecurity, data governance, and systems integration. With increasing reliance on digital services and the complexity of maintaining secure, efficient systems, the IT Director plays an essential role in safeguarding the City's operations.
- **Planning Director:** Oversees zoning, long-term urban planning, and development projects and ensures compliance with state and federal regulations. This role drives the City's growth and development strategy and aligns it with sustainability and community goals.

These roles are comparable in complexity to those of other City directors, such as Community Services, Building, Economic Development, Finance, and Public Works.

Skill Requirements:

The HR, IT, and Planning Directors require specialized skills comparable to other City directors. Each role demands advanced expertise in their respective fields. They must have strong leadership and strategic planning abilities and be adept at navigating complex legal and regulatory environments. Additionally, these directors play a critical role in crisis management and decision-making, influencing citywide operations and long-term goals. Given the specialized expertise and leadership responsibilities required, their compensation should align with that of other City directors to reflect the complexity of their roles.

Salary Analysis:

The following provides a summary of the salary comparison analysis conducted for the HR, IT, and Planning Director classifications—based on both external market standards and internal equity considerations.

External Market

In comparison with competitor agencies with similar director positions, such as the City of Bakersfield, County of Kern, and the City of Tulare, the findings below reveal that all three directors are being compensated below the market average and median, particularly in terms of their base salary. This gap suggests a competitive disadvantage when it comes to retaining or attracting qualified candidates.

Classification	# of Matches	Base Annual Salary Data				
		City of Shafter	Market Average	% Shafter above or below	Market Median	% Shafter above or below
Human Resources Director	3	\$ 144,836.08	\$ 168,575.05	-16.39023%	\$ 166,853.52	-15.20163%
Information Technology Director	3	\$ 144,836.08	\$ 163,517.59	-12.89838%	\$ 162,772.04	-12.38363%
Planning Director	3	\$ 144,836.08	\$ 161,089.93	-11.22224%	\$ 155,961.26	-7.68122%

When factoring in incentives and benefits, the findings below reveal that all three directors continue to be compensated below the market average and median.

Classification	# of Matches	Total Annual Compensation Data				
		City of Shafter	Market Average	% Shafter above or below	Market Median	% Shafter above or below
Human Resources Director	3	\$ 223,855.77	\$ 237,013.26	-5.87766%	\$ 242,235.39	-8.21047%
Information Technology Director	3	\$ 216,380.45	\$ 222,700.92	-2.92100%	\$ 235,427.66	-8.80265%
Planning Director	3	\$ 218,318.15	\$ 220,768.06	-1.12218%	\$ 220,214.03	-0.86840%

Internal Equity

In addition to the external salary comparisons, internal equity is a crucial consideration when evaluating the compensation for HR, IT, and Planning Directors. Internal equity ensures that employees with similar responsibilities, skills, and job complexities are compensated equally to one another within the same organization. Below is a comparison of the current salary ranges for the HR, IT, and Planning Directors versus other director positions within the city:

Position	Current Salary Range	Salary Range for Other Directors	Percent Difference
HR Director	\$4,583 – \$5,571 Biweekly	\$6,503 - \$7,905 Biweekly	41.9%
IT Director	\$4,583 – \$5,571 Biweekly	\$6,503 - \$7,905 Biweekly	41.9%
Planning Director	\$4,583 – \$5,571 Biweekly	\$6,503 - \$7,905 Biweekly	41.9%

The internal analysis shows that the HR, IT, and Planning Directors are paid 41.9% less than their counterparts in other city departments. This significant disparity highlights an internal equity issue, where similarly responsible positions are compensated at different levels despite having comparable job complexities and leadership roles.

Maintaining internal equity is essential for fostering a positive organizational culture and avoiding potential legal risks. When employees perceive salary imbalances, especially when roles require comparable skills and responsibilities, it can lead to lower job satisfaction, diminished morale, and increased turnover. Addressing internal equity ensures that all employees feel valued and treated fairly, which can improve productivity and organizational loyalty.

Furthermore, internal equity supports the city's goal of retaining experienced and talented employees. By ensuring that the HR, IT, and Planning Directors are compensated on par with their counterparts, the city can reduce the risk of losing key leadership talent to more competitive opportunities.

Recommendation:

Based on the evaluation of job complexity, skill requirements, market standards, and internal equity considerations, it is recommended that the salaries for the HR, IT, and Planning Directors be aligned with those of other director-level positions within the city. The proposed salary adjustments are as follows:

Position	Current Salary Range	Proposed Salary Range
HR Director	\$4,583 – \$5,571 Biweekly	\$6,503 - \$7,905 Biweekly
IT Director	\$4,583 – \$5,571 Biweekly	\$6,503 - \$7,905 Biweekly
Planning Director	\$4,583 – \$5,571 Biweekly	\$6,503 - \$7,905 Biweekly

These adjustments will place the city in a more competitive position to retain experienced, qualified leaders for these essential roles.

Fiscal Impact:

The HR, IT, and Planning Directors are currently at Step E, with a biweekly salary of \$5,571. Under the proposed salary adjustment, all three directors would move to Step A of the new salary range, with a biweekly salary of \$6,503. This change would increase annual compensation by \$24,232 per director, totaling \$72,696 for all three positions.

In the long term, the fiscal impact is projected to be approximately \$166,000 once the directors reach Step E, assuming a 1% COLA within the next five years. For the FY 24/25 budget, based on an effective date of November 5, 2024, the fiscal impact per department is \$14,912, or a total combined budget adjustment of \$44,736.



CITY OF SHAFTER CITY COUNCIL REPORT

MEETING DATE: November 5, 2024

DEPARTMENT: Giovanni Perez, Economic Development Coordinator

SUBJECT: SALE OF 5.42 ACRES OF SURPLUS PROPERTY (NORTHERN SECTION OF CITY'S OLD CORPORATION YARD)

RECOMMENDATION

Council find the action is not defined as a "project" per Section 15378(b)(4) of the CEQA Guidelines; and authorize the City Manager to take all necessary actions to complete the sale of the subject property.

BACKGROUND

Surplus Subject Property: SEC of Redwood Drive and Shafter Avenue (Portion of APN 028-010-12)

Shafter's Old Corporation Yard

Land Size: ~5.42 Acres or 236,095 SF

As-Is Market Value: \$590,000

Zoning: Medium Density Residential (R-2)

Lot Line Adjustment: The lot line adjustment was submitted to the County Recorder's Office on Friday, October 18, 2024. The time to receive new APNs can be anywhere from 30 to 90 days. The lot line adjustment is changing the APN 028-010-12 lot from 8.54 acres to 5.42 acres to serve as Lot 1. The 5.42-acre lot was declared surplus and included as such in the Notice of Availability sent.

Verbal Offer: The City Manager and Economic Development Coordinator met with Rush Melliti, CEO of Sequoia Healthcare LLC, to discuss the property. During this meeting, staff received a verbal offer in the complete amount of the fair market value of \$590,000. Mr. Melliti said he will be sending over a written purchase offer for \$590,000 for the entire 5.42 Acres. Mr. Melliti is proposing an assisted living and senior care project. Mr. Melliti is the owner and developer of Golden LivingCenter located at 140 E Tulare Avenue and more nursing homes in Bakersfield.

Land Appraisal: The attached appraisal report by Central California Appraisals for the subject property was completed on October 16, 2024, with the As-Is Market Value valuation date being September 24, 2024.

Surplus Land: The City Council approved resolution 2978 during the July 16, 2024, city council meeting declaring three property clusters, which included the subject property, as non-exempt surplus land. The notice of availability attached was sent on August 1, 2024, to all recipients indicated by the California Department of Housing and

SALE OF 5.42 ACRES OF SURPLUS PROPERTY (NORTHERN SECTION OF CITY'S OLD CORPORATION YARD)

Community Development (HCD). Per HCD's Surplus Land Act guidelines, the 60 days that give affordable housing an immediate opportunity to enter into 90-day good-faith negotiations with the city ended September 30, 2024 since staff did not receive a single affordable housing inquiry on any of the 3 properties declared.

Staff is working with the City Attorney to submit, to HCD a compliance packet for review. HCD will then give written approval that we comply with their guidelines for the declared properties. The review process by HCD usually takes around 30 days. Upon the written approval, we can continue to engage in property disposal negotiations for the other 2 properties declared in the same resolution.

Next Steps:

- 1) Wait for HCD to give written approval that compliance with SLA declaration guidelines was met
- 2) Receive a Written Purchase Offer from the Interested Party

FISCAL IMPACT

The anticipated sale of this property is projected at \$590,000 - fair market value. Appraisal service for this property through Central California Appraisals was \$2,750.

CEQA ANALYSIS

The action is not defined as a "project" per Section 15378(b)(4) of the CEQA Guidelines because the action is the approval of the sale of surplus property and therefore, it is the creation of a governmental funding mechanism or other fiscal activity that does not involve any commitment to a specific project that can result in a potentially significant impact and not subject to CEQA.

APPROVED BY THE CITY ATTORNEY

ATTACHMENTS

1. Notice of Availability of Surplus Properties HCD Cover Letter and Properties Table City of Shafter Sent 08.01.2024
2. Old Corp Yard Appraisal Report #164-24B



August 1, 2024

To All Interested Parties:

RE: Notice of Availability/Offer to Sell or Lease Surplus Property

As required by Government Code Section 54220 of the State of California, the City of Shafter is providing notification that the City intends to **sell or lease** the surplus properties listed in the accompanying table.

In accordance with Government Code Section 54222, you have sixty (60) days from the date this offer was sent via certified mail or electronic mail to notify the City of your interest in acquiring one or more of the properties. However, this offer shall not obligate the City to sell or lease the property to you. Instead, the City would enter into at least ninety (90) days of negotiations with you pursuant to Government Code Section 54223. If no agreement is reached on sales/lease price and terms, the City may market the property to the general public.

As required by Government Code Section 54227, if the City receives more than one letter of interest during this 60 day period, it will give first priority to entities proposing to develop housing where at least 25 percent of the units will be affordable to lower income households. If more than one such proposal is received, priority will be given to the proposal with the greatest number of affordable units. If more than one proposal specifies the same number of affordable units, priority will be given to the proposal that has the lowest average affordability level.

In the event your agency or company is interested in purchasing or leasing one or more of the properties, you must notify the City in writing within sixty (60) days of the date this notice was sent via certified mail or electronic mail and indicate which property or properties you are interested in. Notice of your interest in acquiring the property shall be delivered to

City of Shafter,
Attn: Gabriel Gonzalez, City Manager
336 Pacific Avenue, Shafter, CA 93263.

You may also direct your questions to business@shafter.com or by calling (661) 746-5000.

Entities proposing to submit a letter of interest are advised to review the requirements set forth in the Surplus Land Act (Government Code Section 54220-54234).

Property #	Jurisdiction Name	Jurisdiction Type	Site Address/Intersection
1	City of Shafter	City	5821 E Lerdo Highway
2	City of Shafter	City	5901 E Lerdo Highway
3	City of Shafter	City	5921 E Lerdo Highway
4	City of Shafter	City	E Lerdo Highway and Golds Avenue
5	City of Shafter	City	E Lerdo Highway and Golds Avenue
6	City of Shafter	City	E Tulare Avenue and N Shafter Avenue

Property #	City	Five Digit ZIP Code	County	Assessor Parcel Number
1	Shafter	93263	Kern	091-171-30
2	Shafter	93263	Kern	091-171-31
3	Shafter	93263	Kern	091-171-22
4	Shafter	93263	Kern	089-140-73
5	Shafter	93263	Kern	089-140-75
6	Shafter	93263	Kern	Portion of 028-010-12

Property #	Consolidated Sites	General Plan Designation (Current)	Zoning Designation (Current)
1	Consolidation with Property #2 and #3	Business Park	Business Park Airport Approach Height
2	Consolidation with Property #1 and #3	Business Park	Business Park Airport Approach Height
3	Consolidation with Property #2 and #3	Business Park	Business Park Airport Approach Height
4	Consolidation with Property #5	Business Park	Business Park
5	Consolidation with Property #4	Business Park	Business Park
6	NA	Medium Density Residential	Medium Density Residential

Property #	Minimum Density Allowed (units/acre)	Maximum Density Allowed (units/acre)	Parcel Size (Gross Acres)	Existing Use/Vacancy
1	n/a	n/a	3.88	Vacant
2	n/a	n/a	3.72	Vacant
3	n/a	n/a	4.74	Vacant
4	n/a	n/a	4.66	Vacant
5	n/a	n/a	3.45	Vacant
6	1	14	5.42	Vacant

Property #	Minimum Sales Price	Last Appraised Value	Last Appraised Date
1	FMV	\$806,000	August 9, 2023
2	FMV	\$802,000	August 9, 2023
3	FMV	\$843,000	August 9, 2023
4	FMV	\$1,139,000	August 9, 2023
5	FMV	\$503,000	August 9, 2023
6	FMV	Unknown	Unknown

Property #	Optional Information
1	The Property completely lacks all sewer and water infrastructure and sewer and water connections, has overhead power distribution poles that would need to be relocated or undergrounded, and has insufficient street width/drive approach for access. The property is near industrial facilities and has no quality-of-life amenities nearby. A new appraisal will be performed.
2	The Property completely lacks all sewer and water infrastructure and sewer and water connections, has overhead power distribution poles that would need to be relocated or undergrounded, and has insufficient street width/drive approach for access. The property is near industrial facilities and has no quality-of-life amenities nearby. A new appraisal will be performed.
3	The Property completely lacks all sewer and water infrastructure and sewer and water connections, has overhead power distribution poles that would need to be relocated or undergrounded, and has insufficient street width/drive approach for access. The property is near industrial facilities and has no quality-of-life amenities nearby. A canal is on the east side of the parcel, blocking access to Zerker Road. A new appraisal will be performed.
4	The Property completely lacks all sewer and water infrastructure and sewer and water connections, has overhead power distribution poles that would need to be relocated or undergrounded, and has insufficient street width/drive approach for access. There is no existing street lighting or signage for controlled access to the parcel. A new appraisal will be performed.
5	The Property completely lacks all sewer and water infrastructure and sewer and water connections, has overhead power distribution poles that would need to be relocated or undergrounded, and has insufficient street width/drive approach for access. There is no existing street lighting or signage for controlled access to the parcel. A new appraisal will be performed.
6	The parcel previously served as a public works corporation yard for storing equipment and materials. The parcel may need a Phase 1 environmental due to previous land use. The City is expecting new APNs to reflect a recorded lot line adjustment. Adjusting the parcel line from 8.23 acres roughly to 5.42 acres, more or less. – only the 5.42 acres are up for negotiation. A new appraisal will be performed. For a depiction of 5.42 acres of portion of the parcel declared surplus, please see attached exhibit A.

Exhibit A
Depiction of Property #6 - (5.42 Acres Portion of APN 028-010-12)



CENTRAL CALIFORNIA

APPRAISALS

APPRAISAL REPORT

VACANT RESIDENTIAL LAND

SEC of Redwood Dr. and Shafter Ave.
Shafter, California 93263

VALUATION DATES

As-Is Market Value: September 24, 2024
Date of Report: October 16, 2024



PREPARED BY

Michael Burger MAI, R/W-AC
Central California Appraisals
4915 Calloway Dr., Suite 101
Bakersfield, CA 93312
File No: 164-24B

PREPARED FOR

Gabriel Gonzalez
City of Shafter
336 Pacific Avenue
Shafter, CA 93263



CENTRAL CALIFORNIA

APPRAISALS

4915 Calloway Dr., Suite 101
Bakersfield, CA 93312
+1 (661) 587-1010

October 16, 2024

Gabriel Gonzalez
City of Shafter
336 Pacific Avenue
Shafter, CA 93263

RE: Appraisal Report
Vacant Residential Land
SEC of Redwood Dr. and Shafter Ave. , Shafter, California 93263
Central California Appraisals File No: 164-24B

Mr. Gonzalez:

Central California Appraisals is proud to present the appraisal that satisfies the agreed upon scope of work with City of Shafter.

We developed our analyses, opinions, and conclusions and prepared this report in conformity with the Code of Professional Ethics and Standards of Professional Appraisal Practice of the Appraisal Institute; and the requirements of our client as we understand them. This report conforms to the current Uniform Standards of Professional Appraisal Practice (USPAP), and the appraisal guidelines of City of Shafter.

The subject property, as referenced above, is located on the southeast corner of Redwood Dr. and Shafter Ave. and is further identified as a Portion of Assessor Parcel Number (APN) 028-010-12. The subject is part of a larger parcel containing 9.56-acres. The parcel is proposed for division and per the Client's request only Lot 1 located at the southeast corner of Redwood Dr. and Shafter Ave. containing vacant residential land totaling 5.42-acres or 236,095 SF is valued within this report.

The purpose of this appraisal is to develop an opinion of the As-Is Market Value (Fee Simple Estate). The following table conveys the final opinion of value that is developed in this appraisal:

MARKET VALUE CONCLUSION				
VALUATION SCENARIO	INTEREST APPRAISED	EXPOSURE TIME	EFFECTIVE DATE	VALUE
As-Is Market Value	Fee Simple Estate	6 to 12 Months	September 24, 2024	\$590,000

EXTRAORDINARY ASSUMPTIONS

An engineering map was provided and included in the Addenda. This appraisal is based on the extraordinary assumption net site size is correct.

HYPOTHETICAL CONDITIONS

As discussed, the subject is part of a larger parcel and is proposed for division. Therefore, this appraisal considers the value based on the hypothetical condition the property is legally divided and is assigned its own Assessor Parcel Number.

CENTRAL CALIFORNIA

APPRAISALS

If there are any specific questions or concerns regarding the attached appraisal report, or if Central California Appraisals can be of additional assistance, please contact the individuals listed below.

Respectfully Submitted,

CENTRAL CALIFORNIA APPRAISALS



Michael Burger MAI, R/W-AC
Certified General Real Estate Appraiser
California License No. AG003817
Expiration Date 5/17/2026
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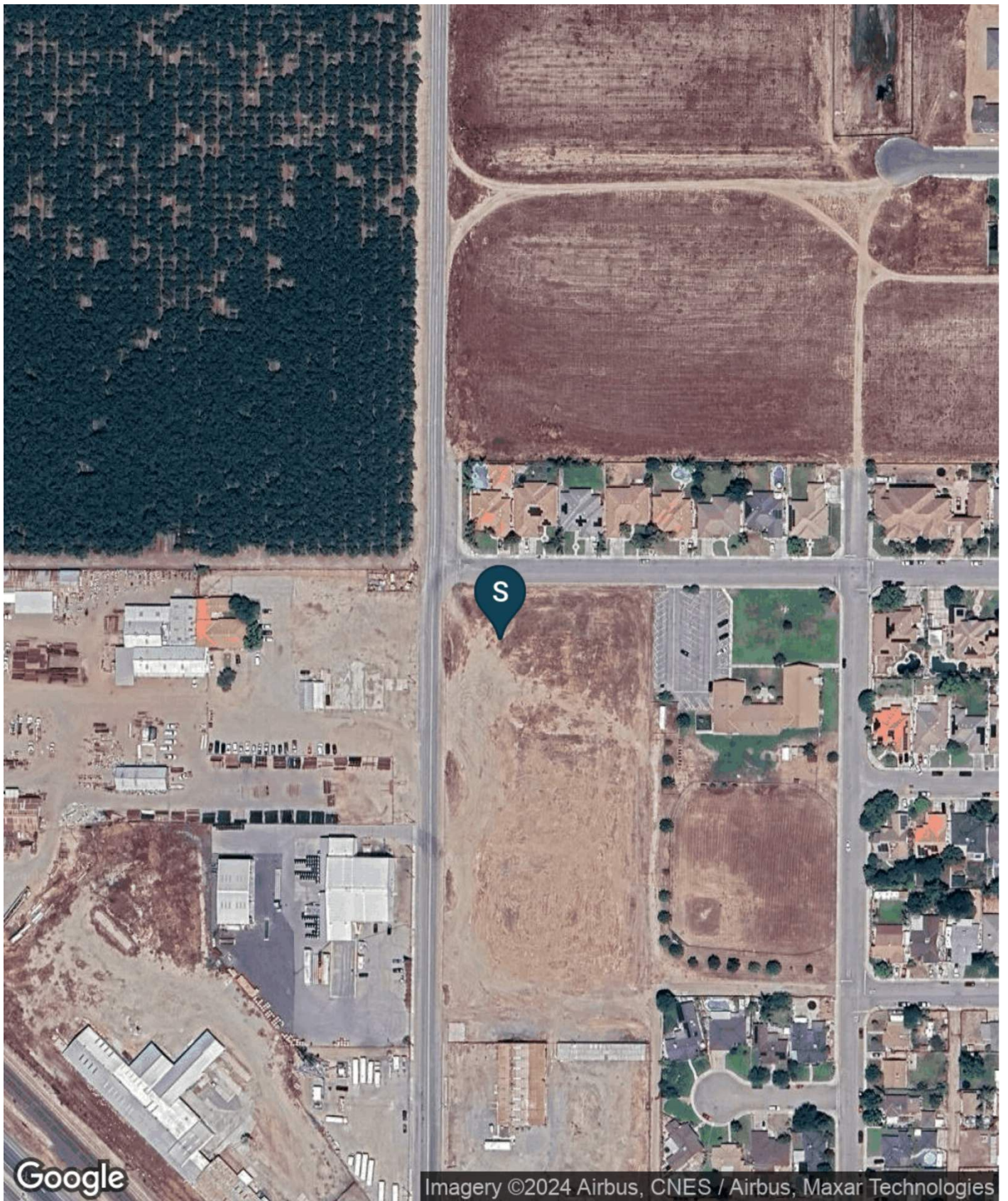
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EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

PROPERTY IDENTIFICATION		
Name	Redwood Dr and N Shafter Ave	
Property	Land - Subdivision-Residential Lanc	
Address	SEC of Redwood Dr. and Shafter Ave.	
City, State Zip	Shafter, California 93263	
County	Kern County	
Market / Submarket	Shafter / Northeast	
Geocode	35.510433,-119.27784	
SITE DESCRIPTION		
Number of Parcels	1	
Assessor Parcel Number	Portion of 028-010-12	
Land Area	Square Feet	Acres
Total	236,095	5.42
Zoning	Medium Density Residential (R-2)	
Shape	Rectangular	
Topography	Level at street grade	
Flood Zone	Zone X (Unshaded)	
QUALITATIVE ANALYSIS		
Site Quality	Good	
Site Access	Average	
Site Exposure	Good	
Site Utility	Average	
Building Quality	Average	
Building Condition	Average	
Building Appeal	Average	
HIGHEST & BEST USE		
Proposed Construction	No	
As Vacant	Development to uses allowed by zoning, upon demand	
EXPOSURE & MARKETING TIME		
Exposure Time	6 to 12 Months	
VALUE CONCLUSION		
VALUATION SCENARIOS		AS-IS MARKET VALUE
Interest	Fee Simple Estate	
Exposure Time	6 to 12 Months	
Effective Date	September 24, 2024	
FINAL VALUE CONCLUSION		\$590,000

AERIAL PHOTOGRAPH



IDENTIFICATION OF ASSIGNMENT

PROPERTY IDENTIFICATION

The subject property is located at the southeast corner of Redwood Dr. and Shafter Ave., Shafter, California 93263.

The Assessor Parcel Number is: Portion of 028-010-12.

LEGAL DESCRIPTION

A full legal description is included in the Addenda.

CLIENT IDENTIFICATION

The client of this specific assignment is City of Shafter.

INTENDED USE & INTENDED USERS

The intended use of this appraisal is to assist the client in making internal business decisions related to this asset. City of Shafter or assigns are the only intended users of this report.

PURPOSE

The purpose of this appraisal is to develop an opinion of the As-Is Market Value (Fee Simple Estate).

PERSONAL PROPERTY & BUSINESS INTANGIBLE

There is no personal property (FF&E) included in this valuation.

PROPERTY AND SALES HISTORY

Current Owner

City of Shafter

Three-Year Sales History

Ownership of the subject property has not changed within the past three years. The property has been under the same ownership for an extended period of time.

As shown on the KSI Engineering map provided by the client, the larger parcel containing 8.55-acre is being divided into two parcels. The Client has requested only Lot 1 containing 5.42-acres of vacant residential land be valued within this appraisal.

According to the Client, they have received an unsolicited interest in purchasing the subject property for a potential assisted living project, however have not received any formal offers.

EXPOSURE TIME

Exposure time is influenced by price. That is, a prudent buyer could be enticed to acquire the property in less time if the price were less. Hence, the time span cited below coincides with the value opinion(s) formed herein.

USPAP Standard rule 1-2(c)(iv) requires an opinion of exposure time when the purpose of the appraisal is to estimate market value. In the recent past, the volume of competitive properties offered for sale, sale prices, and vacancy rates have fluctuated little. Sale concessions have not been prevalent.

Exposure Time Conclusion

The subject is vacant land (residential land) use totaling 5.42-acres (236,095 SF) located at the southeast corner of Redwood Dr. and Shafter Ave. in Shafter, Kern County, California. Considering these factors, a reasonable estimate of exposure time for the subject As-Is Market Value (Fee Simple Estate) is 6 to 12 months.

DEFINITION OF MARKET VALUE

The most probable price which a property should bring in a competitive and open market under all conditions requisite to a fair sale, the buyer and seller each acting prudently, knowledgeably, and assuming that the price is not affected by undue stimulus. Implicit in this definition is the consummation of a sale as of a specified date and the passing of title from seller to buyer under conditions whereby:

1. Buyer and seller are typically motivated;
2. Both parties are well informed or well advised, and acting in what they consider their own best interests;
3. A reasonable time is allowed for exposure in the open market;
4. Payment is made in terms of cash in United States dollars or in terms of financial arrangements comparable thereto; and
5. The price represents the normal consideration for the property sold unaffected by special or creative financing or sales concessions granted by anyone associated with the sale.¹

PROPERTY RIGHTS APPRAISED

The property rights appraised constitute the Fee Simple Interest.

Fee Simple Interest

Absolute ownership unencumbered by any other interest or estate, subject only to the limitations imposed by the governmental powers of taxation, eminent domain, police power and escheat.²

VALUE SCENARIOS**As-Is Market Value**

The estimate of the market value of real property in its current physical condition, use, and zoning as of the appraisal date.³

SCOPE OF WORK

The scope of work for this appraisal assignment is outlined below:

- ▶ The appraisal analyzes the regional and local area profiles including employment, population, household income and real estate trends. The local area was inspected to consider external influences on the subject.
- ▶ The appraisal analyzes legal and physical features of the subject including site size, improvement size, flood zone, seismic zone, site zoning, easements, encumbrances, site access and site exposure.
- ▶ The appraisal includes a Highest and Best Use analysis and conclusions have been completed for the highest and best use of the subject property As Vacant and As Improved. The analysis considered legal, locational, physical and financial feasibility characteristics of the subject site and existing improvements.

¹ Office of Comptroller of the Currency (OCC), Title 12 of the Code of Federal Regulation, Part 34, Subpart C -Appraisals, 34.42 (h); Office of Thrift Supervision (OTS), 12 CFR 564.2 (g); This is also compatible with the FDIC, FRS and NCUA definitions of market value.

² The Dictionary of Real Estate Appraisal, Seventh Edition, Appraisal Institute, Chicago, Illinois, 2022

³ The Dictionary of Real Estate Appraisal, Seventh Edition, Appraisal Institute, Chicago, Illinois, 2022

- ▶ In selecting applicable approaches to value, the appraiser considered the agreed upon appraisal scope and assessed the applicability of each traditional approach given the subject's characteristics and the intended use of the appraisal. As a result, this appraisal developed Land Sales Comparison Approach. The values presented represent the As-Is Market Value (Fee Simple Estate).
- ▶ The assignment was prepared as an Appraisal Report in accordance with USPAP Standards Rules 2, with the analysis stated within the document and representing a summarized level of analysis.
- ▶ The author of this report is aware of the Competency Rule of USPAP and meets the standards.

SOURCES OF INFORMATION

The following sources were contacted to obtain relevant information:

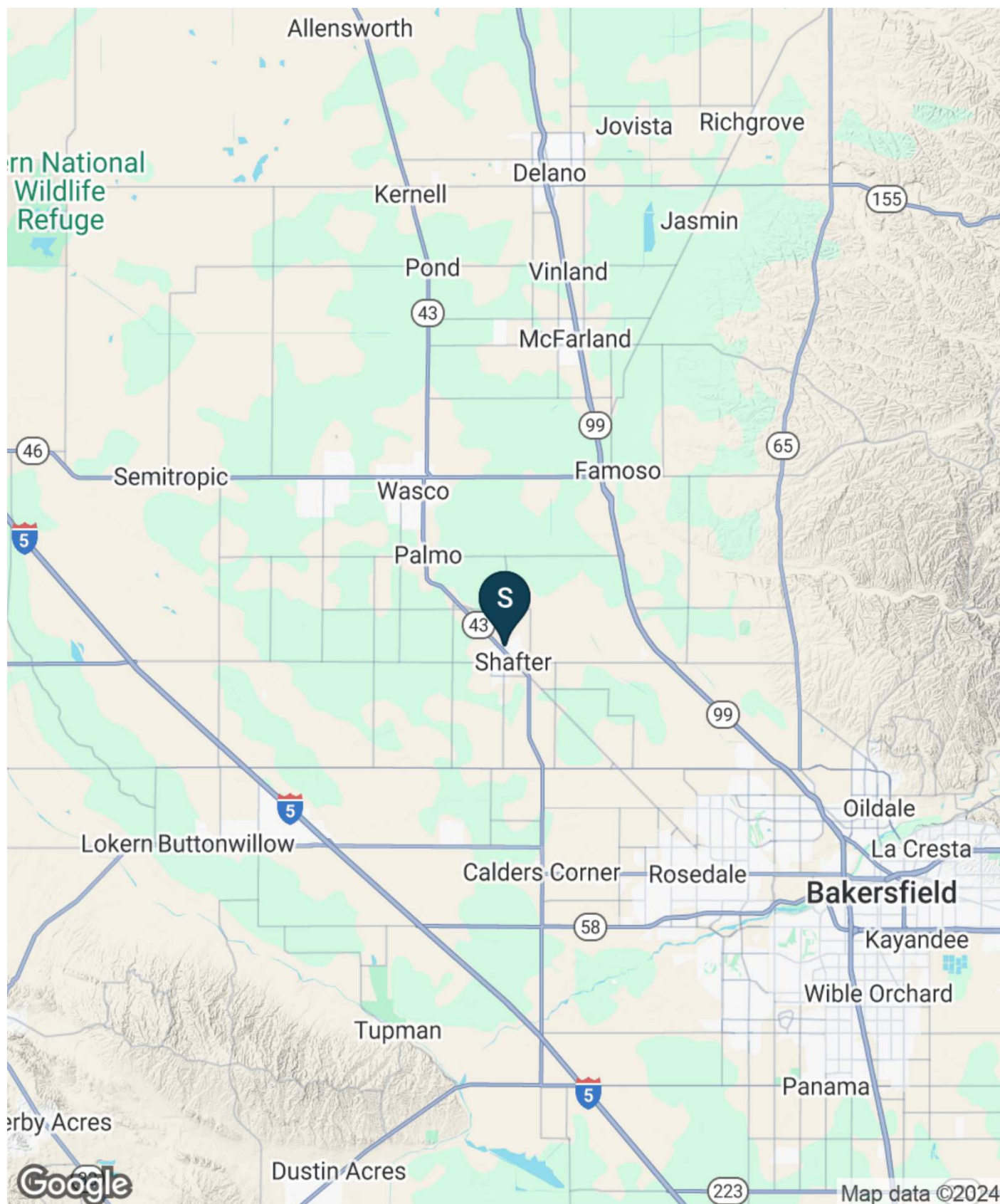
INFORMATION PROVIDED	
Property Assessment & Tax	Kern County Assessor
Zoning & Land Use Planning	City of Shafter Zoning
Site Size	KSI Engineering Map
Flood Map	FEMA
Comparable Information	MLS Public Records Confirmed by Local Agents
Architectural Plans & Date	Client

The lack of the unavailable items could affect the results of this analysis. As part of the general assumptions and limiting conditions, the subject is assumed to have no adverse easements, significant items of deferred maintenance, or be impacted by adverse environmental conditions.

SUBJECT PROPERTY INSPECTION

PROPERTY INSPECTION				
APPRAISER	INSPECTED	EXTENT	DATE	ROLE
Michael Burger MAI, R/W-AC	Yes	Site	September 24, 2024	Appraiser

REGIONAL AREA MAP



REGIONAL AREA ANALYSIS

The subject property is located in Bakersfield, California. The map presented on the previous page illustrates the subject property location relative to the Bakersfield, CA MSA metropolitan area.

Kern County is California's third-largest county in land area, covering about 8,000 square miles. About one-third of the county is situated on the flat valley floor at the extreme southern end of the great San Joaquin Valley. This area is dominated by agricultural and oil production uses around the City of Bakersfield. On the west is the Temblor Range; the Tehachapi Mountains lie to the south; and to the east of the valley are the Sierra Nevada Mountains. About one-third of the county lies within this range, including the City of Tehachapi and the Communities around Lake Isabella and Kernville, featuring recreational economies. East of this belt of mountains is an expanse of high desert that covers nearly one-third of the county area. This area includes Mojave and Ridgecrest with their military airspace uses and recreational open spaces.

Kern County is strategically located approximately 110 miles north of Southern California and 280 miles south of San Francisco Bay area marketplaces, interconnected by State Route 99 and Interstate I-5. Kern County is geographically toward the middle of the state. Just south of Shafter is the general location deemed to be the middle of the state relative to population, where half the population resides north and half resides south.

ENVIRONMENTAL CONDITIONS

Kern County is situated at the southern end of the San Joaquin Valley, with the Temblor Range on the west, Tehachapi Mountains on the south and the Sierra Nevada's on the east. Elevation levels range from 200-400 feet above sea level in the valley, to 3,000 feet in the desert, and 9,000 feet in the mountains. There are three distinct climate zones in Kern County. The Central Valley portion lies at 200 to 400 feet above sea level and sees hot, dry summers and foggy, cold winters with temperatures typically ranging from 39 to 65 degrees in winter and 60 to nearly 100 degrees in summer. Rainfall is typically 5 to 6 inches per year. The mountain regions within the Sierra Nevada vary from a few hundred feet to 9,000 feet above sea level and have much colder winters and cooler summers, with 10 to 40 inches of rain annually.

The central valley portion of the county is prone to poor air quality due to inversion layers in the atmosphere caused by the surrounding mountains and dry conditions that trap the polluted air. Main sources of air pollution include emissions from the oil fields, fine particulates and dust from agricultural processes, and emissions from the high volume of traffic passing through on the many arterial highways that crisscross the county.

POPULATION

Kern County is the 11th most populous county in California and the 61st most populous county in the United States. During the past 10 years, the county's population growth has slowed to an average 0.8%-per-year growth as compared to the State of California at 0.6% per year for the same period.

KERN COUNTY POPULATION TREND

Year	Population	Annual % Change
1960	291,984	-
1970	330,234	+1.3%
1980	403,089	+2.2%
1990	549,114	+3.6%
2000	661,645	+2.0%
2010	839,631	+2.7%
2020	909,235	+0.8%

KERN COUNTY POPULATION GROWTH BY CITY

Census Area	2010	2020	Annual % Change
State of California	37,253,956	39,538,223	+0.61%
Kern County	839,631	909,235	+0.83%
Arvin	19,304	19,456	+0.08%
Bakersfield	347,483	402,907	+1.60%
California City	14,120	15,072	+0.67%
Delano	53,041	51,485	-0.29%
Maricopa	1,154	1,022	-1.14%
McFarland	12,707	14,176	+1.16%
Mojave	4,238	3,780	-10.81%
Ridgecrest	27,616	27,918	+0.11%
Shafter	16,988	19,964	+1.75%
Taft	9,327	8,633	-0.74%
Tehachapi	14,414	13,142	-0.88%
Wasco	25,545	27,275	+0.68%

The most attractive features of living in Kern County include affordable housing, low-cost transportation, and a wide range of household consumer goods and services. Population has grown modestly in most of the county with the Bakersfield/Shafter area leading.

ECONOMIC CIRCUMSTANCES

The Kern Economic Journal, 2022 Second Quarter, section entitled, "Economy at a Glance!" prepared by Dr. Richard S. Gearhart III and Dr. Nyakundi Michieka in the Economics Department, CSUB reports:

National Economy

U.S. GDP decreased at an annual rate of 0.6 percent in the second quarter of 2022. In the first quarter of

2022, real GDP decreased by 1.6 percent. The smaller decrease in second quarter GDP (compared to the first quarter) reflected an upturn in exports and increased consumer spending. Profits increased by 4.6 percent at a quarterly rate in the second quarter after increasing by 0.1 percent in the first quarter. Private goods-producing industries decreased 10.4 percent, private services producing industries increased 2.0 percent, and government decreased 0.2 percent. A total of 9 of 22 industry groups contributed to the second quarter decline in real GDP.

The decrease **in real GDP** reflected decreases in private inventory investment, residential fixed investment, federal government spending, and state and local government spending. These were offset by increases in exports and consumer spending, while imports increased.

Current-dollar GDP increased by 8.5 percent (annual), or \$508 billion, in the second quarter to a level of 25.25 trillion.

Current-dollar personal income increased \$305.7 billion in the second quarter. This increase reflected increases in compensation (salaries and wages) and personal income.

Real disposable personal income, which is adjusted for inflation and taxes, decreased by 1.5 percent.

Personal saving was \$629.0 billion in the second quarter. The BEA derives the personal saving rate by calculating personal saving as a percentage of disposable personal income.

Personal saving rate – personal saving as a percentage of disposable personal income – was 3.4 percent in the second quarter.

The Conference Board's Index of Leading Economic Indicators – a measure of future economic activity – decreased by 0.3 percent in August 2022 to 116.2 following a 0.5 percent decline in July.

The University of Michigan's Consumer Sentiment Index increased from 63.1 in the first quarter of 2022 to 57.8 in the second quarter of 2022. The value for the index in the second quarter of 2021 was 85.6 and 74 in the second quarter of 2020.

State Economy

In California, the unemployment rate dropped to 4 percent in the second quarter of 2022 compared to 5 percent in the first quarter of 2022. At the county level, Alpine (5.3), Colusa (9.1), Fresno (5.8), Imperial (12.2), Kern (6.6), Kings (6.2), Los Angeles (4.8), Madera (5.5), Merced (6.9), Plumas (5.3), San Joaquin (4.8), Stanislaus (5.0), Tulare (7.1) and Yuba (4.8) had unemployment rates above the state average (of 4.8). Counties with the lowest unemployment rates include Marin (2.0), Placer (2.4), San Francisco (3.0), San Mateo (1.9) and Santa Clara (2.0).

California's labor force increased by 212,067 in the second quarter of 2022. During this period, civilian employment increased by 383,000 from 18 million to 18.4 million. Nonfarming enterprises hired 178,967 more workers while farm employment increased by 2,800 workers. The mining and logging sector hired 200 less workers while the construction and manufacturing sectors hired 6,567 more, and 13,367 more workers, respectively. Service sector employment increased from 15.1 million to 15.3 million between the first and second quarter of 2022. The state and local government added 2,733 and 14,333 workers, respectively.

Local Economy

The local economy witnessed a 1% increase in the labor force, from 398,000 in November 2022 to 402,000 in November 2023. Civilian employment decreased by 1,800, from 372,600 in November 2022 to 370,800 in November 2023. Nonfarm employment increased by 5,700, while farm employment rose by 800.

In Bakersfield from November 2022 to November 2023, nonfarm employment changed in the following manner: mining and logging employment lost 100 workers, construction remained the same, manufacturing added 100 workers, while service added (3,700 workers). Within the service sector, trade, transportation and utilities added (800 workers), financial activities lost (300 workers), professional and business services lost (100 workers), education and health services added (1,500 workers) while leisure and hospitality added (600 workers). Within the government, the federal government employment lost (200 workers), state government lost (300 workers) and local government added (2,500 workers).

(**this stat is about number of salaried employees NOT the salaries.) The rate of unemployment (November 2023) varied considerably across cities, ranging from 3.8 percent in Ridgecrest to 17.7 percent in Delano. Most cities in Kern County showed a mild decrease in the unemployment rate compared to last quarter. The biggest quarter to quarter drop in the unemployment rate occurred in California City where it dropped from 16.00 percent to 12.93 percent. In Bakersfield, the unemployment rate was 3.9 percent in the second quarter of 2022 compared to 5.27 percent in the first quarter. In Kern County, unemployment was 6.57 percent in the second quarter of 2022 compared to 8.33 percent in the first.

In March 2024, the median home price in Bakersfield was \$370,000 compared to \$358,500 in March 2023. The sale price rise seen as the pandemic ground on has been muted somewhat by the interest rate hikes of 2023. Within the region, median home prices in Taft were the lowest at \$230,000 compared to \$406,000 in Rosamond.

The median home price trend for Bakersfield is shown in the graph:



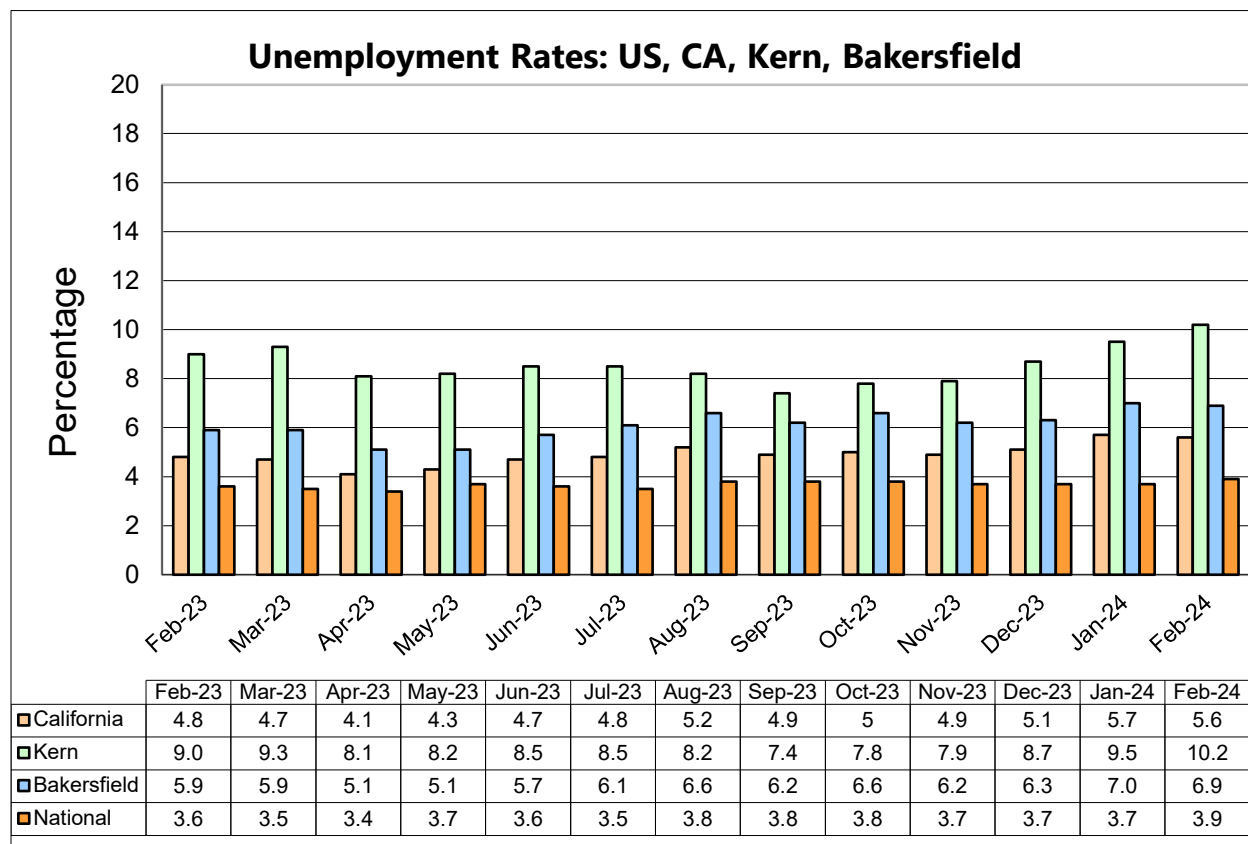
Realtor.com

The weighted price index for the five publicly traded companies doing business in Kern County (Sierra Bancorp, Tejon Ranch Company, Chevron Corporation U.S., Granite Construction, and Wells Fargo Company) decreased by 11 percentage points from \$110.0 to \$97.8. The index is 3 percentage points less than it was four quarters ago. All companies gained/lost as follows: Chevron (decreased 13.5 percent quarter-over-quarter), Tejon Ranch (decreased 8.3 percent quarter-over-quarter), Granite Construction (decreased 11.9 percent quarter-over-quarter), Wells Fargo (decreased 8 percent quarter-over-quarter) and Sierra Bancorp (decreased 11.2 percent quarter-over-quarter).

The average retail price of gasoline increased by \$1.31 to \$5.84 a gallon (quarter to quarter). Gas prices were 45.9 percent higher than they were four quarters ago when they averaged \$4.00 a gallon. The unit price of California's Class III milk was \$24.65 in the second quarter of 2022 compared to \$17.95 in the first quarter of 2022. The Index of Farm Price Parity in the second quarter of 2022 (1.00) was higher than that of the first quarter of 2022 (0.94).

EMPLOYMENT

Agriculturally oriented counties such as Kern tend to have greater seasonal variations in employment and higher unemployment rates, as demonstrated on the following table.



Source: California Employment Development Department Data not seasonally adjusted

Agriculturally oriented counties such as Kern tend to have greater seasonal variations in employment and higher unemployment rates than other areas.

The unemployment rate in Kern County was 10.2% in February 2024, up from the low of 7.4% in September 2023 and above the prior February at 9.0%. This compares with an unadjusted unemployment rate of 5.6% for California and 3.9% percent for the nation during the same period.

The rates in specific cities tend to vary widely, with lowest rates in Ridgecrest and Bakersfield and higher rates in outlying areas such as Delano. Overall, the County appears to be recovering from the effects of the pandemic.

According to the State of California Employment Development Department, Labor Market Information Division, in its monthly report released in March 2024, preliminary employment distribution for the Bakersfield Metropolitan Statistical Area (MSA) (Kern County) for February 2024 is summarized as follows:

February 2024 Preliminary Kern County Employment Distribution		
Industries	Employees	Distribution
All Industries Total	345,400	100.00%
Farm	53,100	15.37%
Non-Farm	292,300	84.63%
Mining and Logging	7,600	2.60%
Construction	15,600	5.34%
Manufacturing	12,400	4.24%
Trade, Transportation, & Utilities	59,900	20.49%
Information Services	1,700	0.58%
Financial Activities	7,600	2.60%
Professional & Business	27,400	9.37%
Education & Health	48,600	16.63%
Leisure & Hospitality	29,200	9.99%
Other Services	9,000	3.08%
Government	73,300	25.08%

**Source: Employment Development Department State of California*

Total wage and salary jobs in the Bakersfield MSA (Kern County) increased by 9,900 between February 2023 and February 2024.

Major employers in the governmental and private sectors of Kern County, as reported by America's Labor Market Information System (ALMIS) Employer Database (2023 2nd Edition), are summarized as follows:

Kern County Major Employers		
Employer Name	Location	Industry
<u>10,000+ employees</u>		
Edwards Air Force Base	Edwards	Government Offices-U.S.
<u>5,000 - 9,999 employees</u>		
Naval Air Warfare Center	Ridgecrest	Military Bases
U.S. Navy Public Affairs Office	Ridgecrest	Government Offices – U.S.
<u>1,000 - 4,999 employees</u>		
Adventist Health Bakersfield	Bakersfield	Hospitals
Bolthouse Farms	Bakersfield	Agricultural Consultants
California Correctional Inst	Tehachapi	Government Offices-State
Chevron Corporation	Bakersfield	Management Services
Dignity Health Mercy Downtown	Bakersfield	Hospitals
Foster Care Human Services	Bakersfield	Social Service & Welfare Organizations
Grimmway Farms	Arvin	Farms
Kern County Human Services Dept.	Bakersfield	Government Offices-County
Marko Zaninovich Inc	McFarland	Fruits & Vegetables-Growers & Shippers
Memorial Hospital Bakersfield	Bakersfield	Hospitals
Nabors Completion-Production	Bakersfield	Oil Field Service
NASA/ Armstrong Flight Research	Edwards	Research Service
Wasco State Prison Fire Dept	Wasco	Fire Departments
<u>500 - 999 employees</u>		
Ensign United States Drilling	Bakersfield	Energy Management Systems & Products
Frito-Lay Inc.	Bakersfield	Wholesale Foods
Kern County	Kernville	Government Offices-County
Paramount Farms Huller 4	Lost Hills	Farms
Ridgecrest Regional Hospital	Ridgecrest	Hospitals
Sierra Sands Unified School District	Ridgecrest	School Districts
Sun Pacific	Bakersfield	Fruits & Vegetables-Growers/Ship
U.S. Naval Air Weapons Station	Ridgecrest	Federal Govt.-National Security
Vasinda Investments Inc	Bakersfield	Home Health Service

AGRICULTURE

The Kern County agricultural industry relates to 915,000 acres of irrigated farmland, primarily on the valley floor surrounding Bakersfield. It is one of the most diverse farming regions in the nation, producing over 250 different crops to include more than 30 types of fruits and nuts, over 40 types of vegetables, and over 20 field crops, as well as lumber, nursery stock, livestock, poultry, and dairy products.

Kern county leads the state in production of almonds, pistachios, carrots, watermelons, sheep, and wool. The most current data for total crop value and the top crops produced in the county are summarized as follows:

5-YEAR CROP SUMMARY - KERN COUNTY										
	2022		2021		2020		2019		2018	
TOTAL CROP VALUE			\$8,341,294,840		\$7,669,409,070		\$7,620,699,180		\$7,466,152,000	
RANK	Commodity	Value	Commodity	Value	Commodity	Value	Commodity	Value	Commodity	Value
1	Grapes	\$1,394,510,000	Grapes	\$1,871,328,000	Grapes	\$1,453,481,000	Almonds	\$1,643,241,000	Grapes	\$1,512,473,000
2	Citrus	\$1,149,183,000	Citrus	\$1,347,686,000	Citrus	\$1,303,348,000	Grapes	\$1,425,274,000	Almonds	\$1,235,158,000
3	Milk	\$947,492,000	Pistachios	\$1,216,593,000	Almonds	\$1,144,377,000	Citrus	\$997,785,000	Pistachios	\$1,143,972,000
4	Almonds	\$927,063,000	Almonds	\$1,185,822,000	Pistachios	\$944,542,000	Pistachios	\$886,702,000	Citrus	\$1,063,063,000
5	Pistachios	\$649,110,000	Milk	\$688,624,000	Milk	\$661,760,000	Milk	\$570,405,000	Milk	\$591,895,000
6	Carrots	\$583,314,000	Carrots	\$419,617,000	Carrots	\$464,465,000	Carrots	\$336,151,000	Carrots	\$398,286,000
7	Cattle	\$313,861,000	Cattle	\$207,214,000	Cattle	\$247,709,000	Cattle	\$269,644,000	Cattle	\$254,995,000
8	Potatoes	\$192,577,000	Garlic	\$114,432,000	Pomegranates	\$125,412,000	Alfalfa	\$140,721,000	Alfalfa	\$114,991,000
9	Silage/Forage	\$146,565,000	Apiary	\$107,363,000	Potatoes	\$113,125,000	Pomegranates	\$122,102,000	Apiary	\$111,819,000
10	Alfalfa	\$141,680,000	Potatoes	\$107,319,000	Apiary	\$105,817,000	Apiary	\$107,233,000	Nursery	\$96,641,000

Source: Kern County Crop Reports, Agricultural Commissioner's Office (2022 Most Recent Available)

According to the most recent Kern County Agricultural Crop Report, published September 12, 2023, the 2022 gross value of all agricultural commodities produced in Kern County is \$7,724,166,300. This represents a 7% decrease from the 2021 crop value of \$8,341,294,840.

The top five commodities for 2022 were Grapes, Citrus, Milk, Almonds, and Pistachios, which make up more than \$5 Billion (66%) of the Total Value.

OIL PRODUCTION

California is one of the nation's pre-eminent producers of oil. It is the third-largest oil producer in the United States, behind Texas, North Dakota, and Alaska, respectively.

Kern County has four of the nation's top-20 largest oilfields and is the number-one oil producing county in California, producing about 70% of the state's oil and 76% of the natural gas in 2021, with the four largest fields being Midway-Sunset, Kern River, Belridge-South, and Elk Hills.

Overall production in Kern County over the past several years is summarized in the following table:

KERN COUNTY OIL AND GAS PRODUCTION*			
YEAR	OIL PRODUCTION (Barrels)	GAS PRODUCTION (Billion Cu. Ft.)	WELLS DRILLED
2009	230.1	278.6	1,920
2010**	200.9	255.4	2,103
2011	196.8	244.4	2,294
2012	197.5	222.4	2,081
2013	199.6	239.6	2,723
2014	205.2	199.4	2,087
2015	201.7	182.8	1,016
2016	186.7	157.3	759
2017	174.0	162.7	996
2018	161.8	162.1	881
2019	156.4	148.2	1,596

*Production in millions of barrels, **Figure does not include Federal Wells

Source: Preliminary Annual Report of the State Oil and Gas Supervisor, California Department of Conservation (Most Recent Available)

Overall, the oil and gas production sector provides an estimated 16,000 jobs with some of the highest wages in the county and pays about 15% of the property tax base; the resulting ripple effect on the economy is vast.

TRANSPORTATION

Kern County is crossed north to south by Interstate I-5 and State Highway 99. State Highway 58 connects to points east and Highway 46 connects to the coast on the west. As a result of its central location, freeway systems, and proximity to major western cities, there are nearly 200 truck carrier operations in Kern County.

The county is served by 13 public, four private, and two government airports, as well as Amtrak passenger rail service. Two major freight rail companies operate in Kern County, connecting to northern and southern California, as well as points east. The historic Tehachapi Loop, famous for its unique engineering that allows freight trains passage up the steep Tehachapi pass, lies between Bakersfield and Tehachapi.

RENEWABLE ENERGY PRODUCTION – WIND AND SOLAR

The Tehachapi pass was the site of one of the first large-scale wind energy farms in the 1960s. Today, Kern County wind and solar facilities provide 60% of California's renewable energy. The largest wind facility in the nation and third in the world is the Alta Wind Energy Center in Tehachapi at 1,550 MW of the total estimated 4,000 MW produced in the county. Kern County boasts the second largest solar farm in the nation as well, part of a growing collection of solar energy facilities.

COMMERCIAL/INDUSTRIAL

In Kern County, there has been an aggressive effort to diversify the local economy from oil, agriculture, and military to compatible commercial/industrial growth. Primary emphasis has been directed to the county's location in consideration of plentiful land and affordable housing, abundant and affordable office and industrial space, large labor force with a strong work ethic, and wages lower than the national average.

The economy is largely driven by housing related industries and the region's traditional base of employers such as Edwards Air Force Base, energy companies, and the agricultural industry.

The Wonderful Industrial Park (WIP), formally known as the Paramount Logistics Center and International Trade and Transportation Center, is located at Seventh Standard Road and Hwy. 43, within the city limits of Shafter, approximately 10 miles north of Bakersfield. There has been significant development within this park within the last ten years. The WIP is ultimately planned for three phases totaling approximately 3,300 acres, of which 500 acres is developed and 1,000 acres is available for development in Phase 1. Phases 2 and 3 containing 1,800 acres are currently being farmed by the owner and in the planning stages for industrial development. Target Distribution Center contains approximately 1,800,000 square feet, along with Ross Distribution Center at 2,000,000 sf and American Tire Distributors at 1,120,000 sf; these are the largest users within WIP. Other users include FedEx, DMSI, State Farm, Hillman, Bakers Hughes, Weatherford, MRC Global, and Formica. Railroad tracks set the easterly boundary for Phase 2, and Phase 3 is on the west side of the tracks north of Seventh Standard Road.

Growth continues in the Meadows Field airport area and along Merle Haggard Drive. This area has multiple business parks and is easily accessible to Highway 99 and Highway 65. CarQuest occupies a 140,000-sf, distribution center on an 88-acre site near Merle Haggard Drive, between Quinn Road and Porterville Highway. Generally, smaller users (less than 100,000 sf) are attracted to this area; whereas, larger users will prefer the WIP and Tejon Ranch developments.

A distribution center for Amazon has been completed in the northerly portion of the Landings Logistics Center, which is a developing mixed-use center fronting the north side of Merle Haggard Drive, north of Meadows Field Airport. The facility will reportedly contain nearly 2.5 million sf, employing up to 2,000 people. The facility

is located on 64 acres and construction finished in the fourth quarter of 2019.

In addition, the Tejon Ranch Commerce Center at Interstate I-5 and Laval Road attracts larger users. This location recently obtained approval for Foreign Trade Zone designation for 1,450 acres. IKEA, a furniture retailer, developed their first distribution warehouse, containing approximately 1,700,000 sf on an approximate 80-acre site in the complex. Other existing users include Dollar General, Famous Footwear, Caterpillar Travel Centers of America, Petro Travel Plaza, Vision Media, Tejon Outlets, along with multiple restaurants and hotels. L'Oreal recently announced that it will be leasing space at this distribution center.

Tejon Ranch Company announced the development of residential communities on the Ranch, providing new housing for the region. Construction will start this year on Terra Vista at Tejon, a new multi-family apartment community containing 495 apartments located adjacent to the Outlets at Tejon. The apartments will serve employees working with the commerce center, Bakersfield and surrounding areas.

HOUSING

Kern County communities remain more affordable than many areas of California and are attracting home buyers from across the state. According to the California Association of Realtors, current sales and price statistics for the state and counties within the Central Valley are summarized as follows:

Area	Median Sold Price of Existing Single-Family Homes					Sales	
	Mar-24	Feb-24	Mar-23	Price MTM% Chg	Price YTY% Chg	Sales MTM% Chg	Sales YTY% Chg
California	\$854,490	\$806,490	\$793,260	6.0%	7.7%	-7.8%	-4.4%
Central Valley	\$478,600	\$478,200	\$455,000	0.1%	5.2%	22.6%	-7.6%
Fresno County	\$413,000	\$420,000	\$409,500	-1.7%	0.9%	-29.7%	-37.4%
Kern County	\$382,180	\$386,500	\$365,000	-1.1%	4.7%	8.4%	-14.1%
Kings County	\$345,000	\$339,950	\$355,000	1.5%	-2.8%	19.6%	-13.0%
Madera County	\$435,000	\$417,880	\$417,000	4.4%	4.3%	-2.3%	18.3%
Merced County	\$392,000	\$401,600	\$400,000	-2.4%	-2.0%	28.8%	16.4%
Tulare County	\$374,990	\$359,990	\$344,000	4.2%	9.0%	45.9%	-6.9%

Source: California Association of Realtors

2020 through 2022 saw an uptick in home sales in areas away from large urban centers as the pandemic-related, work-from-home trend coupled with low interest rates allowed for migration. Late 2022 and 2023 saw a sharp increase in interest rates as the Fed tried to rein in inflation; a cooling of the home real estate market resulted in decreased sales volume and a calming of sales prices.

Kern County's outlying communities remain more affordable than many areas and are attracting home buyers from across the state. Median housing prices for key communities over the years 2022 to 2024 are summarized on the following table:

Kern County Cities: Median Home Prices					
Cities	January 2022	January 2023	January 2024	% Change 22-23	% Change 23-24
BAKERSFIELD	\$369,000	\$340,000	\$365,000	-8.5%	+7.4%
CALIFORNIA CITY	\$262,000	\$242,500	\$304,500	-8.0%	+25.6%
FRAZIER PARK	\$308,750	\$335,000	\$297,500	+7.8%	-11.2%
RIDGECREST	\$210,000	\$247,000	\$245,000	+15.0%	-0.8%
ROSAMOND	\$380,000	\$380,000	\$407,500	0.0%	+7.2%
SHAFTER	\$347,500	\$375,000	\$349,000	+7.3%	-6.9%
TAFT	\$172,000	\$214,950	\$195,000	+20.0%	-9.3%
TEHACHAPI	\$380,000	\$354,000	\$395,000	-7.3%	+11.6%
Kern County	\$345,000	\$340,000	\$350,000	-1.5%	+2.9%

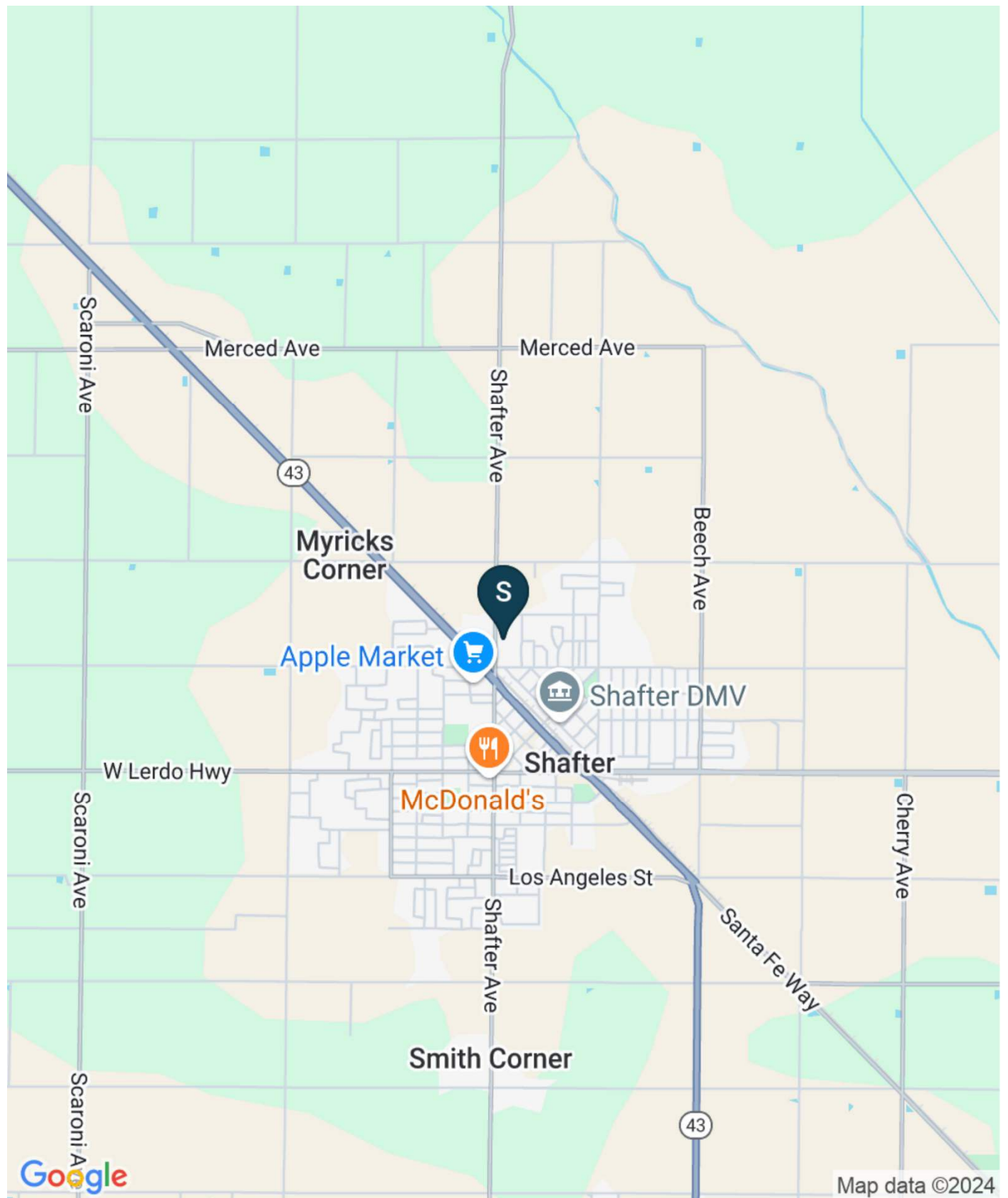
Source: Realtor.com

CONCLUSION-TREND

Kern County offers one of the most diverse areas in California, from business opportunities and amenities to climate and recreation. Kern County is one of the fastest-growing metropolitan areas in the Western United States; it boasts a low cost-of-living and a readily available workforce. The 10 cities and outlying communities that make up Kern County hold a wealth of possibilities for every type of business, as well as every type of person.

Traditionally known for its oil and agriculture production, Kern County's economy is becoming more diverse. Economic development efforts have successfully focused on light manufacturing and value-added agriculture. Fifty percent of all projected nonfarm job growth is concentrated in three industry sectors. Those sectors are education services, professional services, and hospitality. Kern County has been chosen as the location for many companies, due to accessible transportation, low labor and housing costs, and quality of life. The overall economic outlook for Kern County is optimistic relative to employment, the real estate market, and business condition.

LOCAL AREA MAP



LOCAL AREA ANALYSIS INTRODUCTION

The subject property is located in the Shafter area of the Northeast submarket. The immediate area of the subject is characterized by industrial uses with residential and commercial uses in the surrounding area. The neighborhood is bounded by Fresno Ave. to the north, Hwy. 43 to the east, E. Lerdo Hwy. to the south, and N. Beech Ave. to the west.

ACCESS/PUBLIC TRANSPORTATION

The subject is located at the southeast corner of Redwood Dr. and N. Shafter Ave. in an incorporated area of Shafter, CA. N. Shafter Ave. provides access to Hwy. 43 (Central Valley Hwy.), ¼ mile south. It provides access to Hwy. 66, six miles east and I-5, 14 miles west. Hwy. 43 and Hwy. 99 provide access through the Central Valley from north to south. Hwy. 43 provides access to Bakersfield, 11 miles southeast and Wasco, six miles northwest.

ENVIRONMENTAL INFLUENCES

The subject area is considered to be a typical neighborhood with average building size and density. There are no extraordinary topographical features, nuisances or hazards. Public utilities are available in most all areas in quantities from public and private sources. The area has both public and private schools in adequate supply and quality.

LOCAL AREA SUMMARY

The market benefits from a diverse blend of residential, commercial, and community uses and location within the central part of the state, which is attractive to many distributors for logistical purposes. Although the area suffered during the recession of the late 2000's and into the 2010's, the market has been strengthening since roughly 2011-2012, due to the good livability factors associated with the region. The outlook for this market area is good into the foreseeable future.

SITE DESCRIPTION

SITE DESCRIPTION

The subject is part of a larger parcel containing 9.56-acres and is proposed for division. The subject site is located on the southeast corner of Redwood Dr. and Shafter Ave. and, upon division, will contain a net site area 236,095 SF (5.42 AC) which is based on information provided from the City of Shafter. The subject site has historically consisted of vacant undeveloped land. For the purposes of this report, we have relied on this site area and reserve the right to amend our analysis upon receipt of a formal legal plan. The following summarizes the salient characteristics of the subject site. This appraisal considers the value based on the hypothetical condition the property is legally divided and is assigned its own Assessor Parcel Number.

Number of Parcels	1	
Assessor Parcel	Portion of 028-010-12	
Land Area	Square Feet	Acres
Total Land Area	236,095	5.42
Corner	Yes	
Site Topography	Level	
Site Shape	Rectangular	
Site Grade	At street grade	
Site Quality	Good	
Site Access	Average	
Site Exposure	Good	
Site Utility	Average	
Utilities	City Water and Sewer Only	
	According to the Client, gas and electricity are not currently available at the site and would need to be extended from Redwood Dr.	

Adjacent Properties

North	Across Redwood Dr. to the north is a residential neighborhood.
South	Adjacent to the south is a 4.14-acre lot under common ownership. It is developed to a utility warehouse building and the yard is used for storage. This is not included in value. Further south at the southeast corner of Shafter Ave. and E. Tulare Ave. is Quest Irrigation, Inc.
East	Adjacent to the east is Free Will Baptist Church
West	Across Shafter Ave. is GMC Roofing and Pebble Tile Shop

Accessibility	Access to the subject site is considered average overall.
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STREET & TRAFFIC DETAIL

Street Improvements	Type	Direction	Lanes	Lights	Curbs	Sidewalks	Signals	Median	Parking	Center Lane	Bike Lane
Redwood Dr.	Minor arterial	Two-Way	2	x	x		x				
Shafter Ave.	Major arterial	Two-Way	2							x	

Off-Site Improvements	There are concrete curbs and gutters along Redwood Dr. only and asphalt paved roadway only along Shafter Ave.
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Exposure & Visibility	Exposure of the subject is classed as good with primary frontage on the southeast corner of Redwood Dr. and Shafter Ave.
Flood Plain	Zone X (Unshaded). This is referenced by Panel Number 06029C1275E, dated September 26, 2008. Zone X (unshaded) is a moderate and minimal risk area. Areas of moderate or minimal hazard are studied based upon the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Local storm water drainage systems are not normally considered in a community's flood insurance study. The failure of a local drainage system can create areas of high flood risk within these zones. Flood insurance is available in participating communities, but is not required by regulation in these zones. Nearly 25% of all flood claims filed are for structures located within these zones. Minimal risk areas outside the 1% and 0.2% annual chance floodplains. No BFEs or base flood depths are shown within these zones. (Zone X (unshaded) is used on new and revised maps in place of Zone C.)
Seismic	The property is not located in an Alquist-Priolo Earthquake Fault Zone. The community has adopted a seismic element to the general plan and requires all construction to meet Zone 4 of the Uniform Building Code, which is in consideration of earthquake hazards associated with California.
Easements	A preliminary title report was not available for review. During the property inspection, no adverse easements or encumbrances were noted. This appraisal assumes that there are no adverse easements present. If questions arise, further research is advised.
Soils	A detailed soils analysis was not available for review. Based on the development of the subject, it appears the soils are stable and suitable for the existing improvements.
Hazardous Waste	I have not conducted an independent investigation to determine the presence or absence of toxins on the subject property. If questions arise, the reader is strongly cautioned to seek qualified professional assistance in this matter. Please see the Assumptions and Limiting Conditions for a full disclaimer.
Site Rating	Overall, the subject site is considered good as a land site in terms of its location, exposure and access to employment, education and shopping centers, based on its location along a minor arterial.
Site Conclusion	In conclusion, the site's physical characteristics appear to be supportive of the subject's current use and there were no significant detriments discovered that would inhibit development in accordance with its highest and best use.

ZONING

The subject is located in the Medium Density Residential (R-2) zoning designation. According to the City of Shafter Planning Department, the primary purpose of the R-2 zone district is to provide for a range of housing choices for residents in a more urban setting. The R-2 zone district provides for residential development including small lot single and multiple family detached and attached residential uses at a maximum allowable density of fourteen dwelling units per net acre.

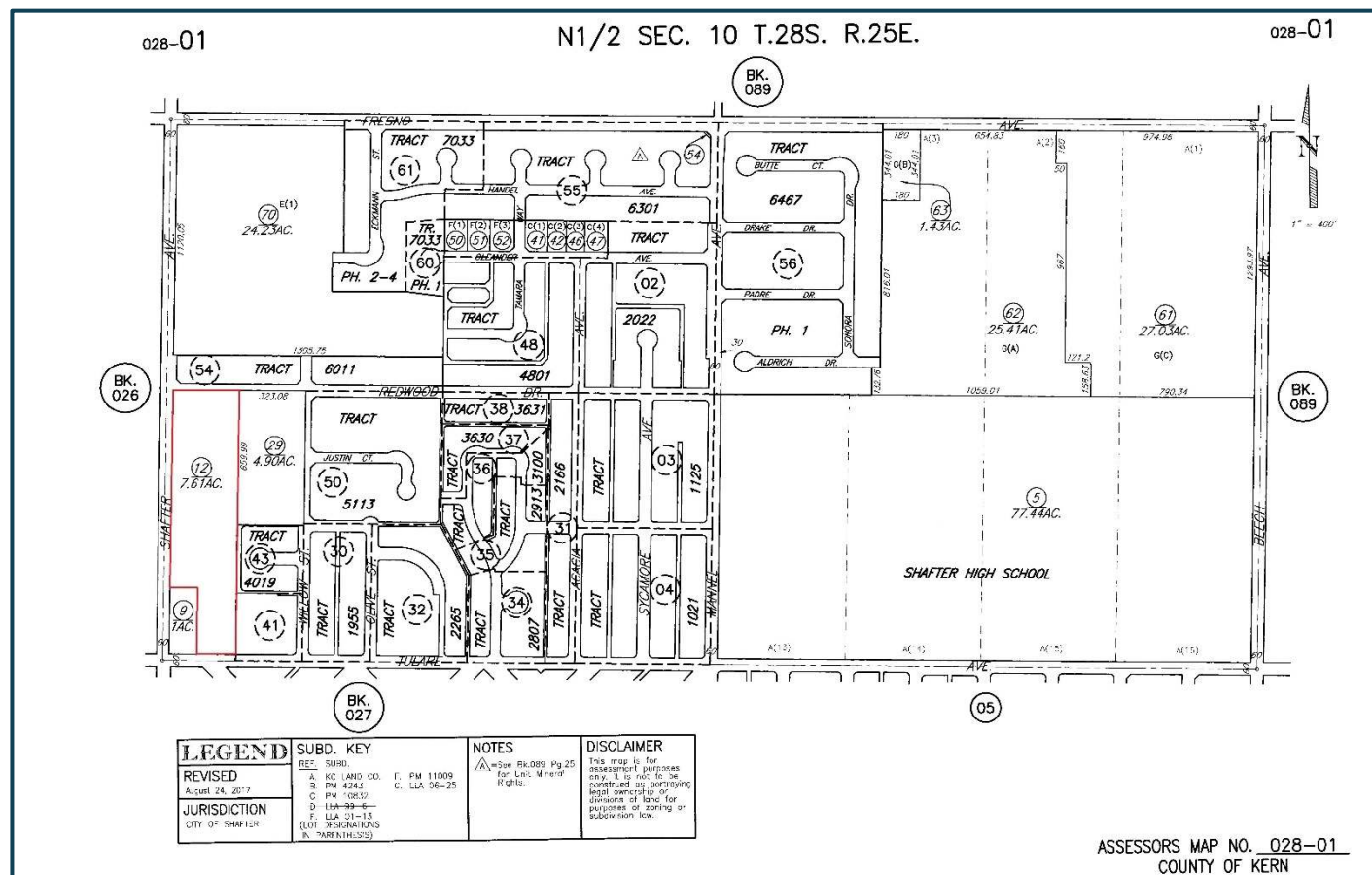
ZONING	
Designation	Medium Density Residential (R-2)
Zoning Authority	City of Shafter
Current Use	Subdivision-Residential Land
Current Use Legally Permitted	Yes
Conforming Use	Current use as vacant residential land conforms to zoning and surrounding uses.
Zoning Change	Not Likely

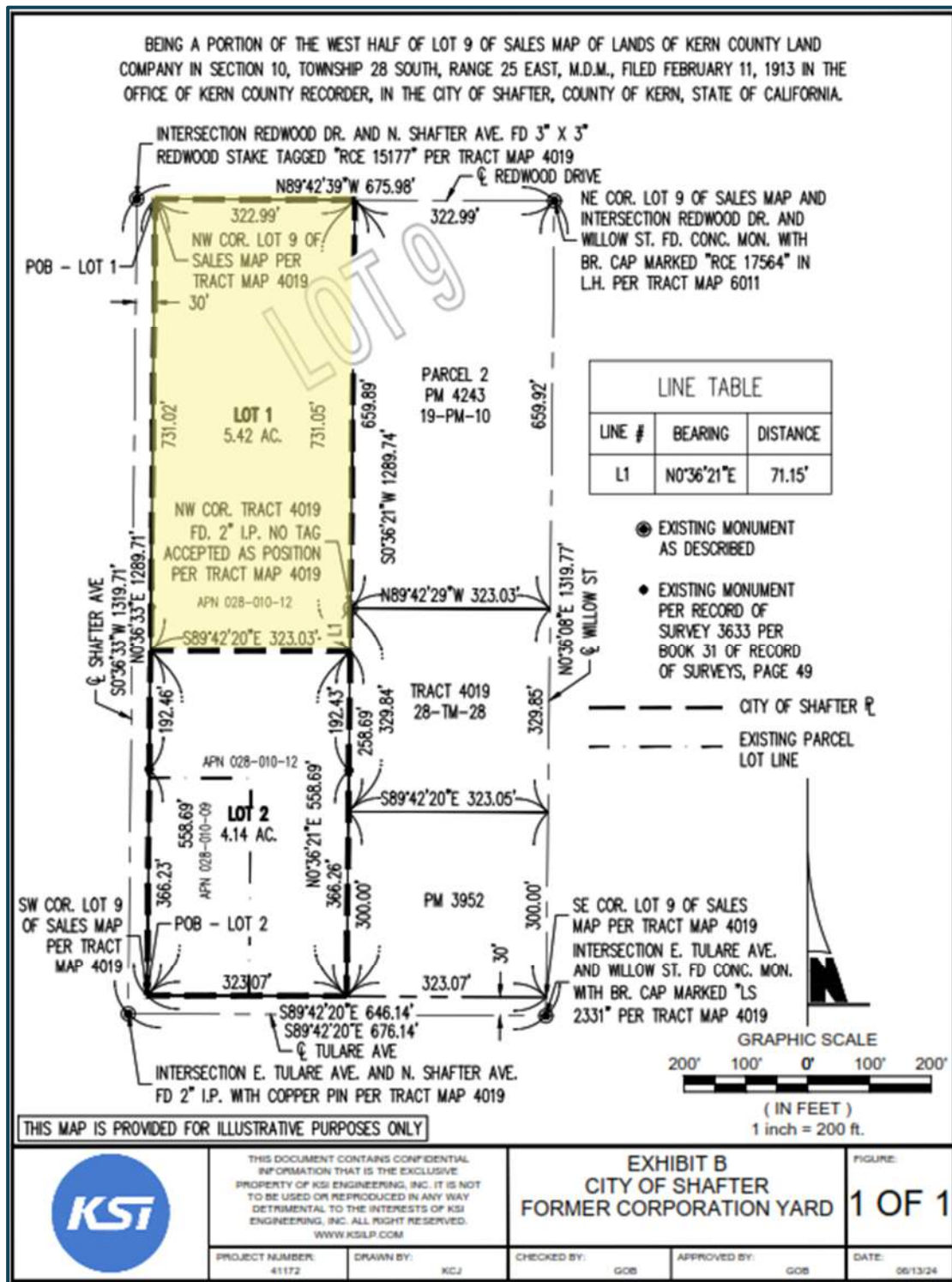
Source: City of Shafter Planning & Zoning Department

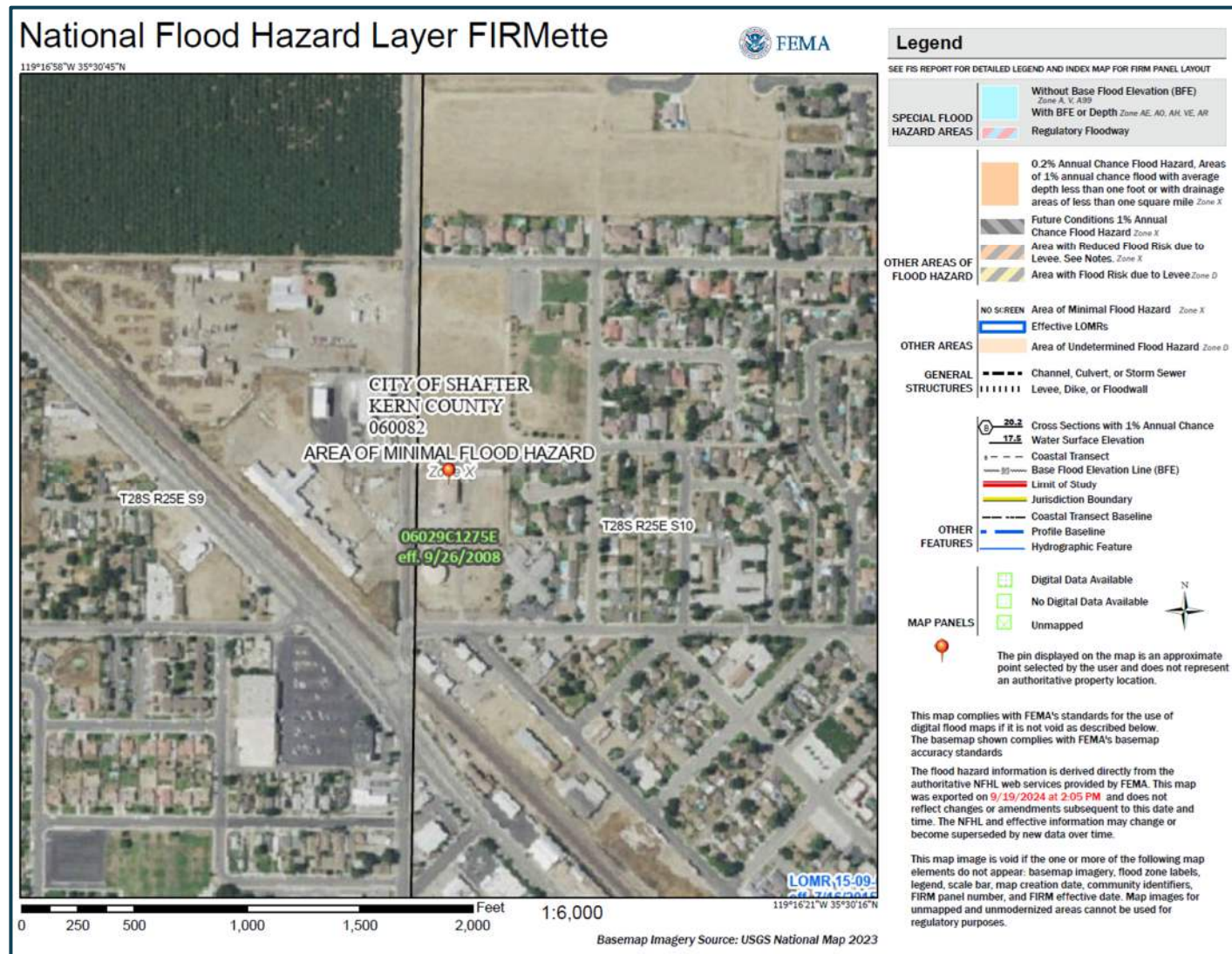
ZONING CONCLUSION

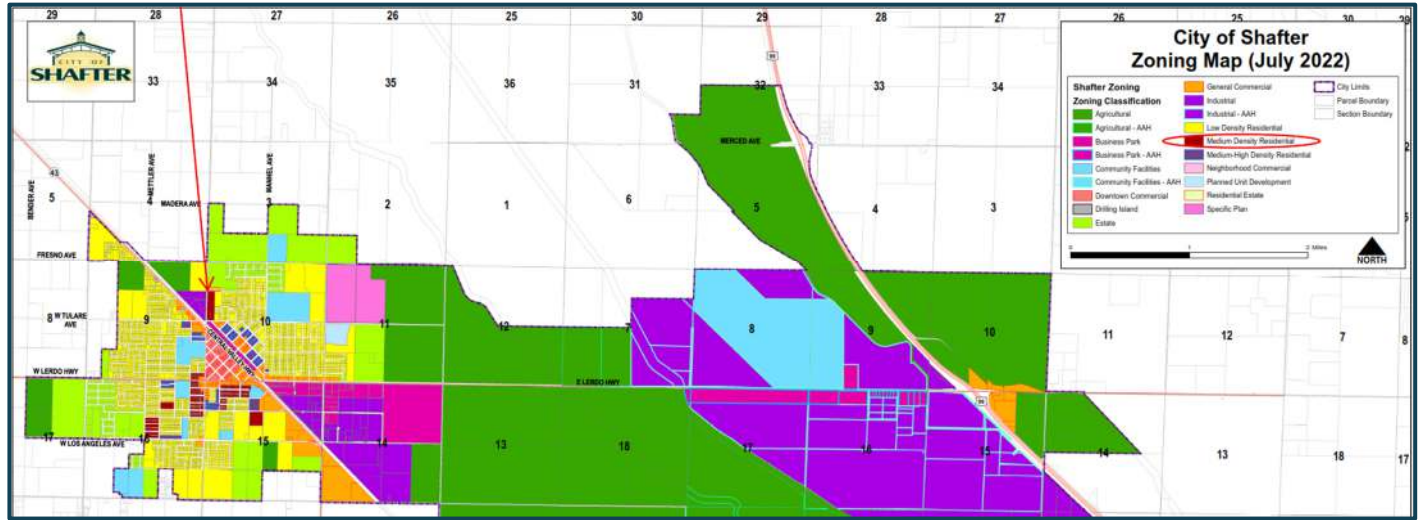
The current use for the subject property is subdivision-residential land and is a permitted use based on the current zoning guidelines. A zoning change for the subject does not appear likely. Based on the foregoing, it appears that the subject’s improvements are a legally conforming use of the subject site.

ASSESSOR MAP









SUBJECT PROPERTY PHOTOGRAPHS



Looking Southwest at Property from Redwood Dr.



Looking East along North Property Line



Looking Southeast from Northwest Corner of Property



Looking North along West Property Line

HIGHEST & BEST USE INTRODUCTION

The highest and best use of the subject property provides the foundation for the valuation section. Highest and best use is defined in the 7th edition of *The Dictionary of Real Estate Appraisal* (Appraisal Institute, Chicago, 2022), as follows:

1. The reasonably probable use of property that results in the highest value. The four criteria that the highest and best use must meet are legal permissibility, physical possibility, financial feasibility, and maximum productivity.
2. The use of an asset that maximizes its potential and that is possible, legally permissible, and financially feasible. The highest and best use may be for continuation of an asset's existing use or for some alternative use. This is determined by the use that a market participant would have in mind for the asset when formulating the price that it would be willing to bid.
3. The highest and most profitable use for which the property is adaptable and needed or likely to be needed in the reasonably near future.

Highest and best use analysis uses the following steps for the subject:

- ▶ Highest & Best Use As Vacant
- ▶ Determination of the ideal improvements
- ▶ Highest & Best Use As Improved
- ▶ Conclusion of the Highest & Best Use

The analysis of highest and best use can be thought of as the logical end of a spectrum of market analysis procedures, running from the macroeconomic overview of a general market study, through more detailed marketability studies and analyses of financial feasibility, to the formal analysis of highest and best use. In theory, the highest and best use is commonly described as that reasonable and most profitable use that will support its highest present value. The highest and best use, or most profitable use, must be legally permissible, physically possible, financially feasible, and maximally productive.

This section develops the highest and best use of the subject property As-Vacant and As Improved.

AS VACANT ANALYSIS

In this section the highest and best use of the subject as vacant is concluded after taking into consideration financial feasibility, maximal productivity, marketability, legal, and physical factors.

Legally Permissible

Private restrictions, zoning, building codes, historic district controls, and environmental regulations are considered, if applicable to the subject site. The legal factors influencing the highest and best use of the subject site are primarily government regulations such as zoning ordinances. Permitted uses of the subject's Medium Density Residential (R-2) include residential, industrial and commercial projects. Zoning change is not likely; therefore, uses outside of those permitted by the R-2 zoning are not considered moving forward in the as-vacant analysis.

Physically Possible

The test of what is physically possible for the subject site considers physical and locational characteristics that influence its highest and best use. In terms of physical features, the subject site totals 5.42-acres (236,095 SF), it is rectangular shaped in shape and has a level topography. The site has good exposure and average overall access. There are no physical limitations that would prohibit development of any of the by-right uses on the site.

Financial Feasibility

Based on the subject's zoning and location, development to uses allowed by zoning is financially feasible with the most likely use of the site determined to be residential.

Maximum Productivity

There is only one use that creates value and at the same time conforms to the requirements of the first three tests. Financial feasibility, maximal productivity, marketability, legal, and physical factors have been considered and the highest and best use of the subject site as-vacant concluded to be development to uses allowed by zoning, upon demand.

MOST PROBABLE BUYER

Based on the type of property and the highest and best use, it is our opinion that the most probable buyer for the subject would be an investor.

VALUATION METHODS

In traditional valuation theory, the three approaches to estimating the value of an asset are the cost approach, sales comparison approach, and income capitalization approach. Each approach assumes valuation of the property at the property's highest and best use. From the indications of these analyses, an opinion of value is reached based upon expert judgment within the outline of the appraisal process.

SITE VALUATION

The site value is a specific scope requirement of this assignment. Considering the subject property comprises a vacant site, the inclusion of estimate of vacant land value is deemed appropriate. Therefore, a valuation of the subject site has been provided herein.

COST APPROACH

The cost approach considers the cost to replace the proposed improvements, less accrued depreciation, plus the market value of the land. The cost approach is based on the understanding that market participants relate value to cost. The value of the property is derived by adding the estimated value of the land to the current cost of constructing a reproduction or replacement for the improvements and then subtracting the amount of depreciation in the structure from all causes. Profit for coordination by the entrepreneur is included in the value indication.

The Cost Approach is not a specific scope requirement of this assignment. Characteristics specific to the subject property do not warrant that this valuation technique is developed. Based on the preceding information, the Cost Approach will not be presented.

SALES COMPARISON APPROACH

The sales comparison approach estimates value based on what other purchasers and sellers in the market have agreed to as price for comparable properties. This approach is based upon the principle of substitution, which states that the limits of prices, rents, and rates tend to be set by the prevailing prices, rents, and rates of equally desirable substitutes. In conducting the sales comparison approach, I gather data on reasonably substitutable properties and make adjustments for transactional and property characteristics. The resulting adjusted prices lead to an estimate of the price one might expect to realize upon sale of the property.

The Sales Comparison Approach is not a specific scope requirement of this assignment. Characteristics specific to the subject property do not warrant that this valuation technique be developed. Based on this reasoning, the Improved Sales Comparison Approach is not presented within this appraisal.

INCOME CAPITALIZATION APPROACH

The income capitalization approach ("income approach") simulates the reasoning of an investor who views the cash flows that would result from the anticipated revenue and expense on a property throughout its lifetime. The net income developed in our analysis is the balance of potential income remaining after vacancy and collection loss, and operating expenses. This net income is then capitalized at an appropriate rate to derive an estimate of value or discounted by an appropriate yield rate over a typical projection period in a discounted cash flow analysis. Thus, two key steps are involved: (1) estimating the net income applicable to the subject and (2) choosing appropriate capitalization rates and discount rates. The appropriate rates are ones that will provide both a return on the investment and a return of the investment over the life of the particular property.

The Income Approach is not a scope requirement for this assignment. The subject property type is not typically analyzed on an income basis by buyers and sellers, reducing the applicability of this valuation technique. Therefore, the Income Approach is not developed.

CORRELATION AND CONCLUSION

Based on the agreed upon scope with the client, the subject's specific characteristics and the interest appraised, this appraisal developed the Land Sales Comparison Approach. The values presented represent the As-Is Market Value (Fee Simple Estate).

SITE VALUATION INTRODUCTION

This section values the subject site by comparing it with substitute land sales or listings within the local market area or in competitive areas throughout the region. Land value is influenced by a number of factors; most notably development and use potential. These factors, as well as others, are factored in the following analysis.

UNIT OF COMPARISON

The most relevant unit of comparison for competing land is the \$/SF. All of the comparable sales presented in this section were reported on this basis.

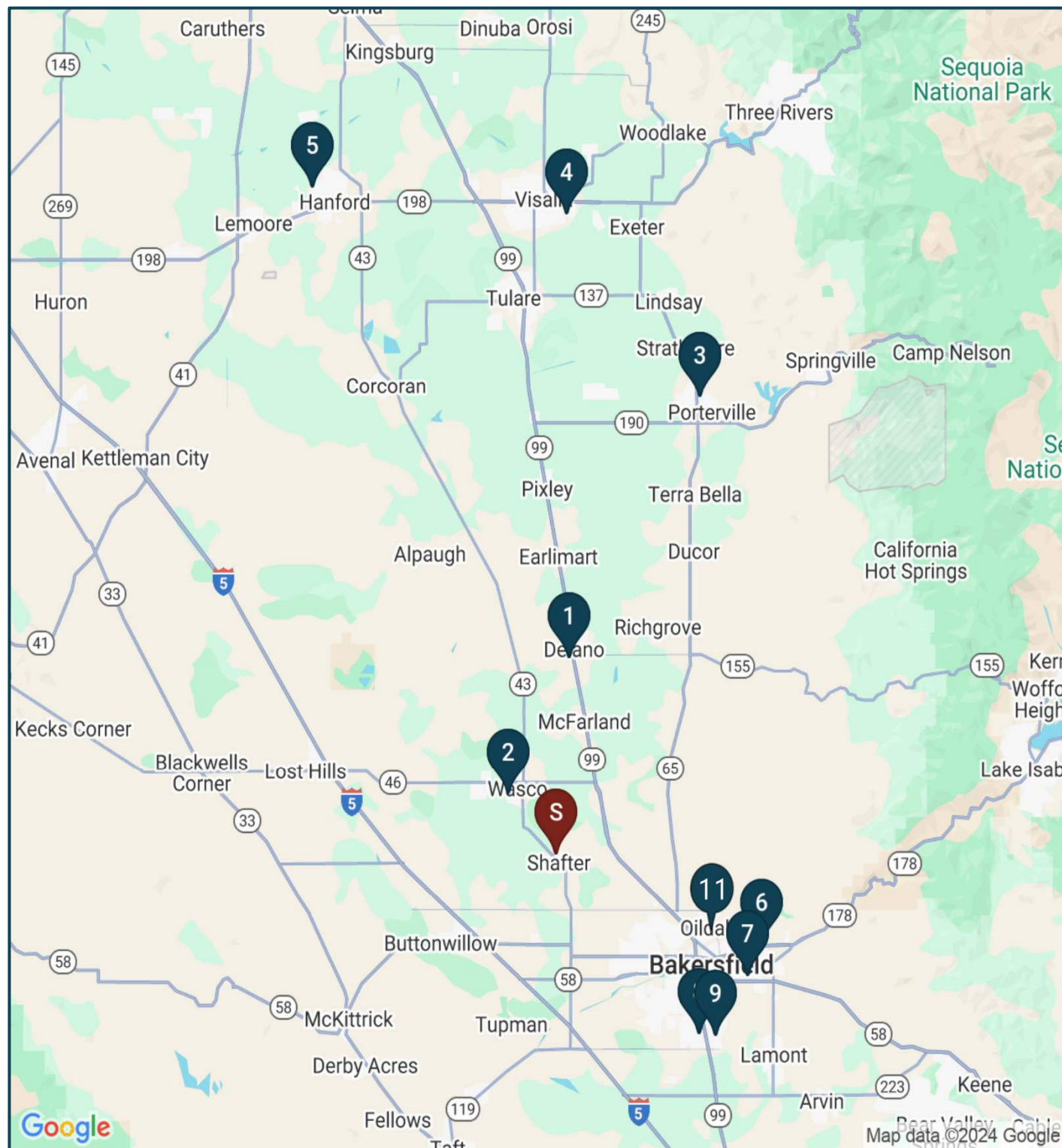
COMPARABLE SELECTION

A thorough search was made for similar land sales in the area. The parameters of the survey were highest and best use, zoning, proximity to the subject, size, and date of sale. In selecting comparables, emphasis was placed on confirming recent sales of sites that are similar to the subject property in terms of location and physical characteristics. Overall, the sales used represent the best comparables available for this analysis.

SUMMARY OF SALES

Eleven transactions were deemed applicable within the subject's market area, summarized below:

Land Sale Comparables						
	Address	APN	Zone	Sale Date	Price	Size SF
Subj.	SEC Redwood Dr. & Shafter Ave.	Portion of APN 028-010-12	R-2			236,095
1	NWC of Belmont St. and First Ave., Delano	422-100-04	R-2	2/13/2020	\$1,000,000	219,542
2	SEC of Poso Ave. & Central Ave., Wasco	490-010-04	R-2	5/27/2020	\$350,000	158,123
3	861 W. Mulberry Ave., Porterville	246-112-014	R-M-3	9/29/2020	\$339,000	142,006
4	SEC E. Walnut Ave. & S. Lovers Ln., Visalia	127-140-003	R-M-2	11/2/2020	\$1,000,000	341,510
5	SWC Centennial Dr., W. of Berkshire Ln., Hanford	009-030-143	R-H	11/20/2020	\$594,000	191,664
6	6201 Auburn St., Bakersfield	434-010-02	R-3	1/20/2021	\$490,000	155,945
7	Quantico Ave., Bakersfield	142-200-13	R-2	3/3/2022	\$255,000	114,563
8	7500 Wible Rd., Bakersfield	515-110-10	R-1/R-2	3/23/2021	\$300,000	131,987
9	NEC Hosking Ave. & Monitor St., Bakersfield	516-020-25	R-2	8/13/2021	\$2,200,000	357,628
10	861 W. Mulberry Ave., Porterville	246-112-014	R-M-3	2/3/2022	\$355,000	142,006
11	828 Iris St., Bakersfield	118-120-27	HR	12/12/2023	\$490,000	221,285



SALE DATA SHEETS

Vacant Land

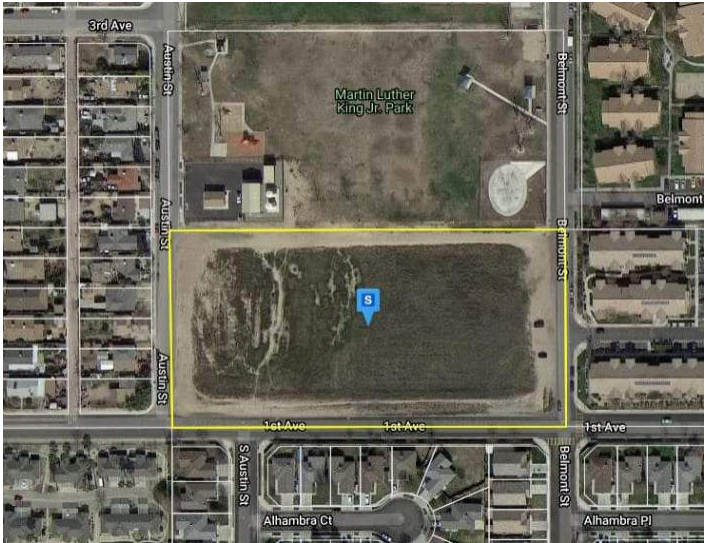
Comparable 1

Sale Information

Buyer	Housing Authority of the County of Kern	
Seller	Lyons Downey So Gate Ranch, LLC	
Sale Date	2/13/2020	
Transaction Status	Recorded	
Sale Price	\$1,000,000	\$4.55 /SF Land
Analysis Price	\$1,000,000	\$4.55 /SF Land
Recording Number	2020	
Rights Transferred	Fee Simple	
Financing	Cash to Seller	
Conditions of Sale	Motivated Buyer	

Property

Land Area	5.04 Acres (219,542 SF)
Number of Parcels	1
Zoning	R-2
Shape	Generally Rectangular
Topography	Level
Corner	Yes
Off-Site Improvements	None
Utilities	Adjacent



NWC of Belmont St. and First Ave.
Delano, CA 93215

County
Kern

APN
422-100-04



Remarks

The property is located on the northwest corner of Belmont St. and First Ave. in Delano, CA.

The property was purchased by the Kern County Housing Authority. It was developed to a 40-unit affordable housing development.

SEC of Poso Ave. and Central Ave.

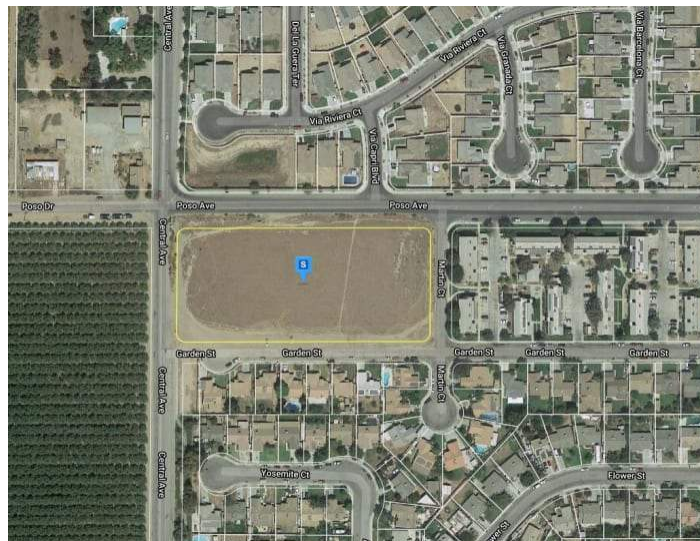
Comparable 2

Sale Information

Buyer	Ghassan Nagi Ahmed	
Seller	Bea & Chaim Gonshor	
Sale Date	5/27/2020	
Transaction Status	Recorded	
Sale Price	\$350,000	\$2.21 /SF Land
Analysis Price	\$350,000	\$2.21 /SF Land
Recording Number	20-67811	
Rights Transferred	Fee Simple	
Financing	Conventional	
Conditions of Sale	Typical	

Property

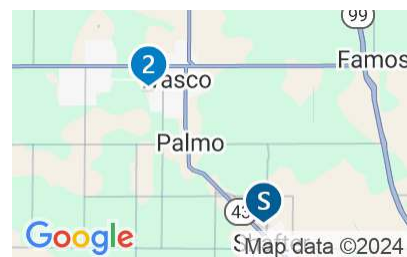
Land Area	3.63 Acres (158,123 SF)
Number of Parcels	1
Zoning	R-2
Shape	Rectangular
Topography	Level
Corner	Yes
Utilities	Full



SEC of Poso Ave. and Central Ave.
Wasco, CA 93280

County
Kern

APN
490-010-04



Confirmation

Date 10/2/2020

Remarks

Property is located on the southeast corner of Poso Ave. and Central Ave. The property was purchased by a residential developer who obtained zone change, general plan amendment, and approval of Tentative Tract 6671, containing 20 lots. It has been on and off the market since acquisition, reportedly over \$1,000,000. The owner filed for a one-year extension on February 11, 2008. In 2017, Tentative Tract 6671 expired and a general plan amendment was approved to include rezoning the property back to R-2.

According to Henry Mendez, Central Valley Commercial Brokers, and public records, the property sold to Ghassan Nagi Ahmed on May 29, 2020 for \$350,000, or \$2.21 per sq.ft. The buyer intended to develop an apartment complex containing 53-56 units based on design layouts provided.

Multi-Family Land

Comparable 3

Sale Information

Buyer	T.N. Price and Associates	
Seller	Delmar and Patricia Ault Revocable Trust 2017	
Sale Date	9/29/2020	
Transaction Status	Recorded	
Sale Price	\$339,000	\$2.39 /SF Land
Analysis Price	\$339,000	\$2.39 /SF Land
Recording Number	2021	
Rights Transferred	Fee Simple	
Financing	Cash to Conventional	
Conditions of Sale	Typical	

Property

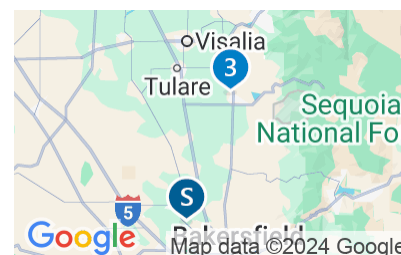
Land Area	3.26 Acres (142,006 SF)
Number of Parcels	1
Zoning	R-M-3
Shape	Irregular
Topography	Level
Corner	No
Off-Site Improvements	Curbs, gutters, two access drives, no sidewalks.
Utilities	City Water and Sewer (adjacent)



861 W. Mulberry Ave.
Porterville, CA 93257

County
Tulare

APN
246-112-014



Confirmation

Date 10/26/2020

Remarks

The property is located on the east side of State Route 65 in Porterville, CA, south of W. Mulberry Ave. The closest major intersection is W. Mulberry Ave. and N. Indiana St. Zoning will allow 45-65 units. The site surrounds 851 W. Mulberry on the east, west, and south sides, an apartment complex with less than 10 units.

The property was sold as vacant land and has potential for 4-plexes up to apartments with its high-density residential zoning.

Multi-Family Land

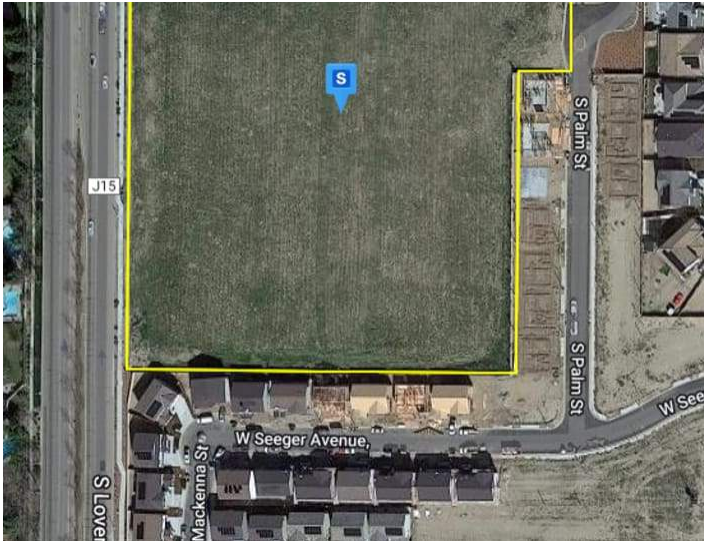
Comparable 4

Sale Information

Buyer	Aspire Homes LLC	
Seller	Ta Diversified LLC	
Sale Date	11/2/2020	
Transaction Status	Recorded	
Sale Price	\$1,000,000	\$2.93 /SF Land
Analysis Price	\$1,000,000	\$2.93 /SF Land
Recording Number	20-74675	
Rights Transferred	Fee Simple	
Financing	Cash to Conventional	
Conditions of Sale	Typical	

Property

Land Area	7.84 Acres (341,510 SF)
Number of Parcels	1
Zoning	R-M-2
Shape	Irregular
Topography	Level
Corner	Yes
Utilities	Full
Flood Zones	Zone AE



SEC E Walnut Ave. & S Lovers Ln.
Visalia, CA 93292

County
Tulare

APN
127-140-003



Confirmation

Date 3/3/2021

Remarks

The property is located at the southeast corner of E Walnut Ave. and S Lovers Ln., in Visalia, CA. The property is improved with concrete curbs, gutters, and sidewalks on the west property line. All utilities are connected to the site. At the time of sale, the property was proposed for 146 units.

Listing agent confirmed that the buyer plans to use the land to build multi-family apartment units.

Multi-Family Land

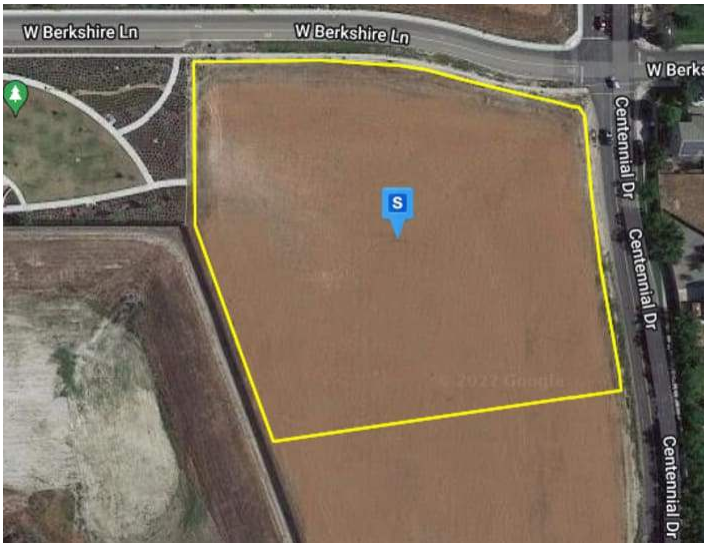
Comparable 5

Sale Information

Buyer	Santa Lucia Ventures SP 1	
Seller	Cal-Clark Farms, Inc	
Sale Date	11/20/2020	
Transaction Status	Recorded	
Sale Price	\$594,000	\$3.10 /SF Land
Analysis Price	\$594,000	\$3.10 /SF Land
Recording Number	23472	
Rights Transferred	Fee Simple	
Financing	Cash to Seller	
Conditions of Sale	Conventional	

Property

Land Area	4.4 Acres (191,664 SF)
Number of Parcels	1
Zoning	R-H
Shape	Irregular
Topography	Level
Corner	Yes
Utilities	Adjacent



SWC Centennial Dr., W.
Berkshire Ln.
Hanford, CA 93230

County
Kings

APN
009-030-143



Confirmation

Date 6/16/2022

Remarks

The property is located on the southwest corner of Centennial Dr. and W Berkshire Ln. in northwest Hanford. It is vacant residential land. There are no on-site or off-site improvements. It was subsequently approved for a 92 unit apartment complex. A complete bike path is along the north side but will likely be relocated to the future sidewalk, with no contributory value.

Multifamily Land

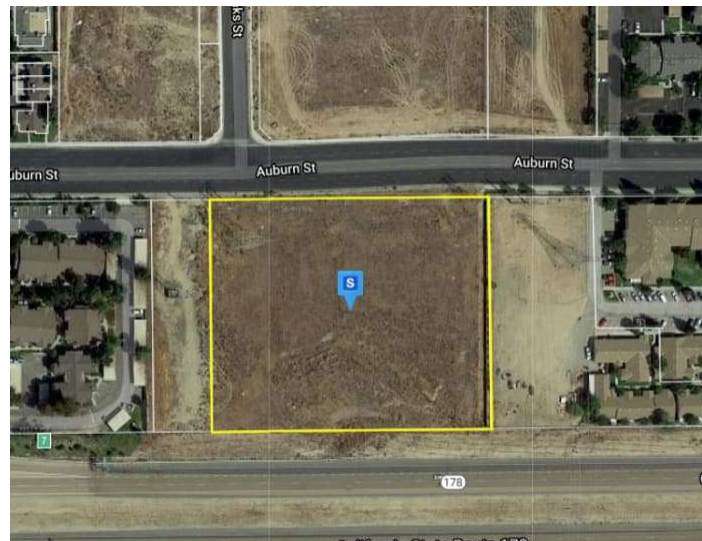
Comparable 6

Sale Information

Buyer	Srinivas, Raj & Vasanthi	
Seller	Chevelle LLC	
Sale Date	1/20/2021	
Transaction Status	Recorded	
Sale Price	\$490,000	\$3.14 /SF Land
Analysis Price	\$490,000	\$3.14 /SF Land
Recording Number	20015	
Rights Transferred	Fee Simple	
Financing	Cash to Seller	
Conditions of Sale	Conventional	

Property

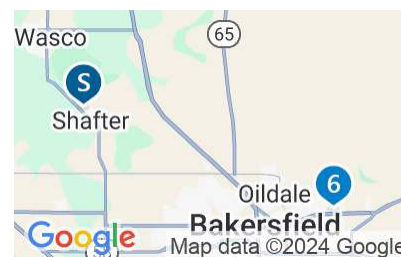
Land Area	3.58 Acres (155,945 SF)
Number of Parcels	1
Zoning	R-3
Shape	Rectangular
Topography	Sloping
Corner	No
Off-Site Improvements	Off-site improvements include curbs, gutter, sidewalk, and power lines.
Utilities	Adjacent



6201 Auburn St
Bakersfield, CA 93306

County
Kern

APN
434-010-02



Confirmation

Date 3/24/2021

Remarks

The property is located along the south side of Auburn St., east of Fairfax Rd. and west of Morning Dr., at Auburn Oaks St. The parcel is also adjacent to the north of Hwy. 178, in which the highway is at least twenty feet below grade. There is a one-hundred-foot-wide transmission line easement along the west property line, with a tower onsite near the north property line. A second 25-50 wide transmission line is along the east property line, with a tower onsite near the north property line. No building improvements can be developed within the easement areas, but the easements can be utilized for parking and landscaping. There is also an overhead utility line easement along the north property line. Curbs and gutters are installed, and utilities are adjacent. Based on older designs, the property will accommodate approximately 63 units.

Residential Land

Comparable 7

Sale Information

Buyer	Amani Enterprises	
Seller	Habitat for Humanity Golden Empire, Inc.	
Sale Date	3/3/2022	
Transaction Status	Recorded	
Sale Price	\$255,000	\$2.23 /SF Land
Analysis Price	\$255,000	\$2.23 /SF Land
Recording Number	2023	
Rights Transferred	Fee Simple	
Financing	Cash	
Conditions of Sale	Typical	

Property

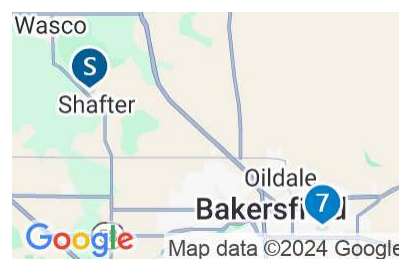
Land Area	2.63 Acres (114,563 SF)
Number of Parcels	1
Zoning	R-2
Shape	Generally Rectangular
Topography	Other
Corner	No
Off-Site Improvements	Off site improvements include brick walls and a paves parkin lot.



Quantico Ave
Bakersfield, CA 93307

County
Kern

APN
142-200-13



Confirmation

Date 8/23/2022

Remarks

The property is east of Quantico Ave., north of E Brundage Ln. in Bakersfield, CA. It is a vacant multifamily lot behind 231 Quantico Ave.

Vacant Land

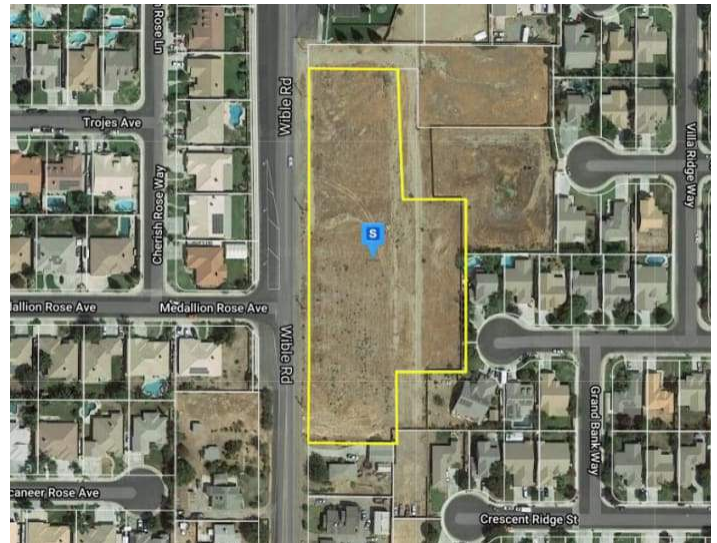
Comparable 8

Sale Information

Sale Date	3/23/2021	
Transaction Status	Recorded	
Sale Price	\$300,000	\$2.27 /SF Land
Analysis Price	\$300,000	\$2.27 /SF Land
Rights Transferred	Fee Simple	
Financing	Cash	
Conditions of Sale	Typical	

Property

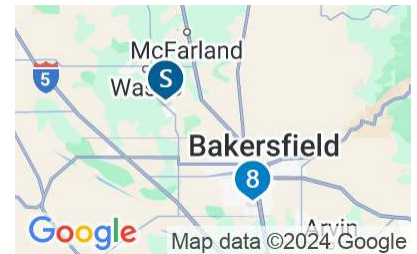
Land Area	3.03 Acres (131,987 SF)
Number of Parcels	1
Zoning	R-1/R-2
Shape	Irregular
Topography	Other
Corner	No
Off-Site Improvements	Off-Site improvements include a paved road and power lines.
Utilities	Available



7500 Wible Rd
Bakersfield, CA 93313

County
Kern

APN
515-110-10



Confirmation

Date 3/24/2021

Remarks

This is vacant land that fronts the east side of Wible Rd. in Bakersfield, CA.

Multifamily Land

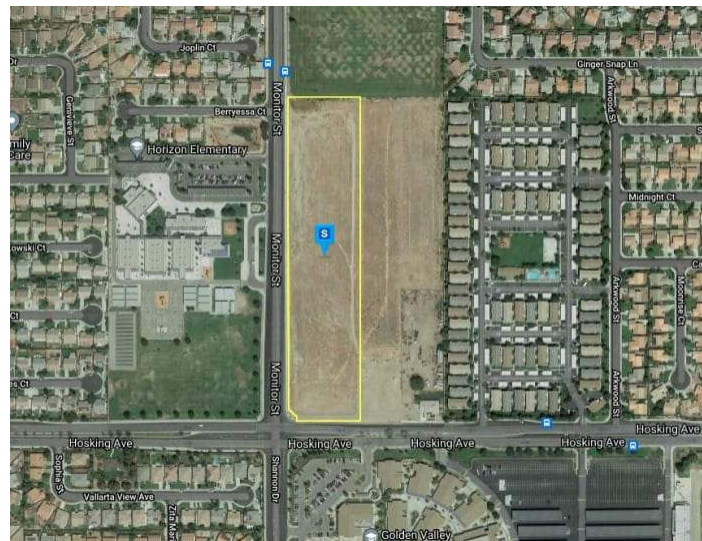
Comparable 9

Sale Information

Buyer	DCM Assets Management, LLC	
Seller	Trend Capital Group, Inc.	
Sale Date	8/13/2021	
Transaction Status	Recorded	
Sale Price	\$2,200,000	\$6.15 /SF Land
Analysis Price	\$2,200,000	\$6.15 /SF Land
Recording Number	2021-165999	
Rights Transferred	Fee Simple	
Financing	Cash to Seller	
Conditions of Sale	Typical	

Property

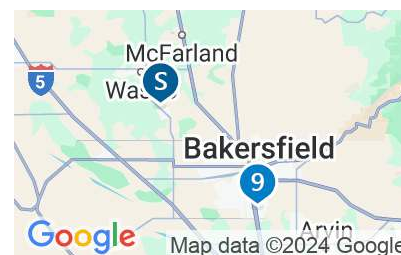
Land Area	8.21 Acres (357,628 SF)
Number of Parcels	1
Zoning	R-2
Shape	Rectangular
Topography	Level
Corner	Yes
Off-Site Improvements	Majority curbs, gutters, sidewalks
Utilities	Available (adjacent)



NEC Hosking Ave., Monitor St.
Bakersfield, CA

County
Kern

APN
516-020-25



Confirmation

Name	Listing Broker
Date	10/8/2021

Remarks

This property is located at the northeast corner of Hosking Ave. and Monitor St. in Southeast Bakersfield. It is zoned R-2 with a general plan of high medium residential. The seller and the buyer both reported 140 units are possible due to shape and dimensions of the site. Offsite improvements include curbs, gutters, and sidewalks along Monitor St. of approximately 1,250 feet of frontage, with no improvements along Hosking Ave. with approximately 250 feet of frontage. The traffic signal is installed at the intersection. The buyer also purchased the parcel adjacent to the east from a separate seller. This parcel is zoned R-1 for single family residential. It closed September 7, 2021, for \$625,000, or \$3.01 per sq.ft. The buyer anticipates obtaining a zone change and general plan amendment to allow 75 units. Combined, the parcels total 12.98 acres with a price of \$5.00 per sq.ft. and \$13,140 per unit.

The seller and the buyer both reported 140 units are possible due to shape and dimensions of the site. The also purchased the parcel adjacent to the east from a separate seller. This parcel is zoned R-1 for single family residential. It closed September 7, 2021 for \$625,000, or \$3.01 per sq.ft. The buyer anticipates obtaining a zone change and general plan amendment to allow 75 units. Combined, the parcels total 12.98 acres with a price of \$5.00 per sq.ft. and \$13,140 per unit.

Multi-Family Land

Comparable 10

Sale Information

Buyer	Christy Yin	
Seller	T.N. Price and Associates	
Sale Date	2/3/2022	
Transaction Status	Recorded	
Sale Price	\$355,000	\$2.50 /SF Land
Analysis Price	\$355,000	\$2.50 /SF Land
Recording Number	8157	
Rights Transferred	Fee Simple	
Financing	Cash to Seller	
Conditions of Sale	Conventional	

Property

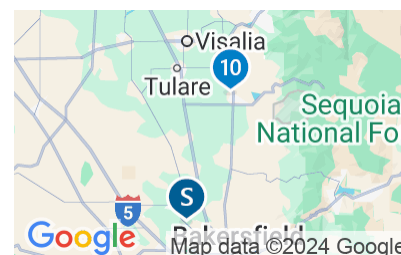
Land Area	3.26 Acres (142,006 SF)
Number of Parcels	1
Zoning	R-M-3
Shape	Irregular
Topography	Level
Corner	No
Off-Site Improvements	Curbs, gutters, two access drives, no sidewalks.
Utilities	City Water and Sewer (adjacent)



861 W. Mulberry Ave.
Porterville, CA 93257

County
Tulare

APN
246-112-014



Confirmation

Date 6/17/2022

Remarks

The property is located on the east side of State Route 65 in Porterville, CA, south of W. Mulberry Ave. The closest major intersection is W. Mulberry Ave. and N. Indiana St. Zoning will allow 45-65 units. The site surrounds 851 W. Mulberry on the east, west, and south sides, an apartment complex with less than 10 units.

The property was sold as vacant land and has potential for 4-plexes up to apartments with its high density residential zoning.

Multi-Family Land

Comparable 11

Sale Information

Buyer	Unity Property Management LP	
Seller	Troy T. Jacobsen	
Sale Date	12/4/2023	
Transaction Status	Recorded	
Sale Price	\$490,000	\$2.21 /SF Land
Analysis Price	\$490,000	\$2.21 /SF Land
Recording Number	2023 - 151608	
Rights Transferred	Fee Simple	
Financing	Cash	
Conditions of Sale	Typical	

Property

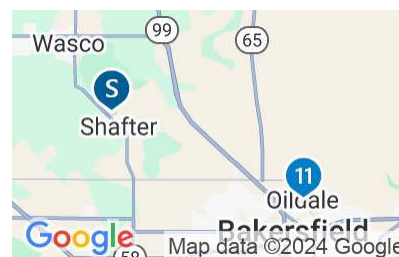
Land Area	5.08 Acres (221,285 SF)
Number of Parcels	1
Zoning	HR
Shape	Irregular
Topography	Generally Level
Corner	No
Off-Site Improvements	Paved roadways
Utilities	Available
Flood Zones	Zone X (Unshaded)



E. Side of Iris St., N. of Pearson Ave.
Bakersfield, CA 93308

County
Kern

APN
118-120-27,28



Confirmation

Company	Americana Real Estate & Investments
Date	5/8/2024

Remarks

This property fronts the easy side of Iris St., north of Pearson Ave., in Bakersfield, CA. The property consists of two adjacent vacant parcels with a combined gross area of 5.08 acres. A breakdown of each parcels area is as follows:

118-120-27 = 2.57 acres

118-120-28 = 2.51 acres

Topography is generally level and at street grade. Full utilities are available at the site. The property is zoned A-1 for limited agricultural use, although the general plan reflects a designation of HR, for high density residential use.

Improvements to the property consist of perimeter fencing. Off-site improvements include asphalt paved roadways with concrete curbs, gutters, and sidewalks.

There are no approved plans for the property. A zone change is required for development to occur.

The buyer is an investor.

LAND SALES COMMENTS

Land sales range from \$2.21 to \$6.15/SF. The upper levels are set by Sales 1, 6 and 9. Sale 1 is located in a dense suburban area with superior location. Sale 6 is located in Bakersfield, superior to the subject. Sale 9 has all utilities and off-site improvements installed with superior quality-utility. Remaining sale prices range from \$2.21 to \$3.10/SF.

$$236,095 \text{ SF} \quad \times \quad \$2.50/\text{SF} = \quad \textbf{\$590,000 (Rounded)}$$

RECONCILIATION OF VALUE CONCLUSIONS

RECONCILIATION OF VALUE CONCLUSIONS

RECONCILIATION OF VALUES	
VALUATION SCENARIOS	AS-IS MARKET VALUE
Interest	Fee Simple Estate
Date	September 24, 2024
LAND VALUE	
LAND CONCLUSION	\$590,000
\$/SF Usable Land	\$2.50
FINAL VALUE CONCLUSION	
FINAL VALUE CONCLUSION	\$590,000
\$/SF Usable Land	\$2.50

Reliability of the Sales Comparison Approach is influenced by the degree of comparability between the property under analysis and those that have sold. In this instance, eleven sales of somewhat similar parcels have been analyzed from which a comparative unit, sale price/SF could be derived. Adjustments are reasonable and logical. Therefore, the Sales Comparison Approach is directly applicable.

ASSUMPTIONS & LIMITING CONDITIONS

This appraisal is subject to the following general assumptions and limiting conditions:

1. The legal description – if furnished to us – is assumed to be correct.
2. No responsibility is assumed for legal matters, questions of survey or title, soil or subsoil conditions, engineering, availability or capacity of utilities, or other similar technical matters. The appraisal does not constitute a survey of the property appraised. All existing liens and encumbrances have been disregarded and the property is appraised as though free and clear, under responsible ownership and competent management unless otherwise noted.
3. Unless otherwise noted, the appraisal will value the property as though free of contamination. Central California Appraisals will conduct no hazardous materials or contamination inspection of any kind. It is recommended that the client hire an expert if the presence of hazardous materials or contamination poses any concern.
4. The stamps and/or consideration placed on deeds used to indicate sales are in correct relationship to the actual dollar amount of the transaction.
5. Unless otherwise noted, it is assumed there are no encroachments, zoning violations or restrictions existing in the subject property.
6. The appraiser is not required to give testimony or attendance in court by reason of this appraisal, unless previous arrangements have been made.
7. Unless expressly specified in the engagement letter, the fee for this appraisal does not include the attendance or giving of testimony by Appraiser at any court, regulatory or other proceedings, or any conferences or other work in preparation for such proceeding. If any partner or employee of Central California Appraisals is asked or required to appear and/or testify at any deposition, trial, or other proceeding about the preparation, conclusions or any other aspect of this assignment, client shall compensate Appraiser for the time spent by the partner or employee in appearing and/or testifying and in preparing to testify according to the Appraiser's then current hourly rate plus reimbursement of expenses.
8. The values for land and/or improvements, as contained in this report, are constituent parts of the total value reported and neither is (or are) to be used in making a summation appraisal of a combination of values created by another appraiser. Either is invalidated if so used.
9. The dates of value to which the opinions expressed in this report apply are set forth in this report. We assume no responsibility for economic or physical factors occurring at some point at a later date, which may affect the opinions stated herein. The forecasts, projections, or operating estimates contained herein are based on current market conditions and anticipated short-term supply and demand factors and are subject to change with future conditions. Appraiser is not responsible for determining whether the date of value requested by Client is appropriate for Client's intended use.
10. The sketches, maps, plats and exhibits in this report are included to assist the reader in visualizing the property. The appraiser has made no survey of the property and assumed no responsibility in connection with such matters.
11. The information, estimates and opinions, which were obtained from sources outside of this office, are considered reliable. However, no liability for them can be assumed by the appraiser.
12. Possession of this report, or a copy thereof, does not carry with it the right of publication. Neither all, nor any part of the content of the report, or copy thereof (including conclusions as to property value, the identity of the appraisers, professional designations, reference to any professional appraisal organization or the firm with which the appraisers are connected), shall be disseminated to the public through advertising, public relations, news, sales, or other media without prior written consent and approval.
13. No claim is intended to be expressed for matters of expertise that would require specialized investigation or knowledge beyond that ordinarily employed by real estate appraisers. We claim no expertise in areas such as, but not limited to, legal, survey, structural, environmental, pest control, mechanical, etc.

14. This appraisal was prepared for the sole and exclusive use of the client for the function outlined herein. Any party who is not the client or intended user identified in the appraisal or engagement letter is not entitled to rely upon the contents of the appraisal without express written consent of Central California Appraisals and Client. The Client shall not include partners, affiliates, or relatives of the party addressed herein. The appraiser assumes no obligation, liability or accountability to any third party.
15. Distribution of this report is at the sole discretion of the client, but third-parties not listed as an intended user on the face of the appraisal or the engagement letter may not rely upon the contents of the appraisal. In no event shall client give a third-party a partial copy of the appraisal report. We will make no distribution of the report without the specific direction of the client.
16. This appraisal shall be used only for the function outlined herein, unless expressly authorized by Central California Appraisals.
17. This appraisal shall be considered in its entirety. No part thereof shall be used separately or out of context.
18. Unless otherwise noted in the body of this report, this appraisal assumes that the subject property does not fall within the areas where mandatory flood insurance is effective. Unless otherwise noted, we have not completed nor have we contracted to have completed an investigation to identify and/or quantify the presence of non-tidal wetland conditions on the subject property. Because the appraiser is not a surveyor, he or she makes no guarantees, express or implied, regarding this determination.
19. The flood maps are not site specific. We are not qualified to confirm the location of the subject property in relation to flood hazard areas based on the FEMA Flood Insurance Rate Maps or other surveying techniques. It is recommended that the client obtain a confirmation of the subject property's flood zone classification from a licensed surveyor.
20. If the appraisal is for mortgage loan purposes 1) we assume satisfactory completion of improvements if construction is not complete, 2) no consideration has been given for rent loss during rent-up unless noted in the body of this report, and 3) occupancy at levels consistent with our "Income and Expense Projection" are anticipated.
21. It is assumed that there are no hidden or unapparent conditions of the property, subsoil, or structures which would render it more or less valuable. No responsibility is assumed for such conditions or for engineering which may be required to discover them.
22. Our inspection included an observation of the land and improvements thereon only. It was not possible to observe conditions beneath the soil or hidden structural components within the improvements. We inspected the buildings involved, and reported damage (if any) by termites, dry rot, wet rot, or other infestations as a matter of information, and no guarantee of the amount or degree of damage (if any) is implied. Condition of heating, cooling, ventilation, electrical and plumbing equipment is considered to be commensurate with the condition of the balance of the improvements unless otherwise stated. Should the client have concerns in these areas, it is the client's responsibility to order the appropriate inspections. The appraiser does not have the skill or expertise to make such inspections and assumes no responsibility for these items.
23. This appraisal does not guarantee compliance with building code and life safety code requirements of the local jurisdiction. It is assumed that all required licenses, consents, certificates of occupancy or other legislative or administrative authority from any local, state or national governmental or private entity or organization have been or can be obtained or renewed for any use on which the value conclusion contained in this report is based unless specifically stated to the contrary.
24. When possible, we have relied upon building measurements provided by the client, owner, or associated agents of these parties. In the absence of a detailed rent roll, reliable public records, or "as-built" plans provided to us, we have relied upon our own measurements of the subject improvements. We follow typical appraisal industry methods; however, we recognize that some factors may limit our ability to obtain accurate measurements including, but not limited to, property access on the day of inspection, basements, fenced/gated areas, grade elevations, greenery/shrubbery, uneven surfaces, multiple story structures, obtuse or acute wall angles, immobile obstructions, etc. Professional building area measurements of the quality, level of detail, or accuracy of professional measurement services are beyond the scope of this appraisal assignment.

25. We have attempted to reconcile sources of data discovered or provided during the appraisal process, including assessment department data. Ultimately, the measurements that are deemed by us to be the most accurate and/or reliable are used within this report. While the measurements and any accompanying sketches are considered to be reasonably accurate and reliable, we cannot guarantee their accuracy. Should the client desire more precise measurement, they are urged to retain the measurement services of a qualified professional (space planner, architect or building engineer) as an alternative source. If this alternative measurement source reflects or reveals substantial differences with the measurements used within the report, upon request of the client, the appraiser will submit a revised report for an additional fee.
26. In the absence of being provided with a detailed land survey, we have used assessment department data to ascertain the physical dimensions and acreage of the property. Should a survey prove this information to be inaccurate, upon request of the client, the appraiser will submit a revised report for an additional fee.
27. If only preliminary plans and specifications were available for use in the preparation of this appraisal, and a review of the final plans and specifications reveals substantial differences upon request of the client the appraiser will submit a revised report for an additional fee.
28. Unless otherwise stated in this report, the value conclusion is predicated on the assumption that the property is free of contamination, environmental impairment or hazardous materials. Unless otherwise stated, the existence of hazardous material was not observed by the appraiser and the appraiser has no knowledge of the existence of such materials on or in the property. The appraiser, however, is not qualified to detect such substances. The presence of substances such as asbestos, urea-formaldehyde foam insulation or other potentially hazardous materials may affect the value of the property. No responsibility is assumed for any such conditions, or for any expertise or engineering knowledge required for discovery. The client is urged to retain an expert in this field, if desired.
29. The Americans with Disabilities Act ("ADA") became effective January 26, 1992. We have not made a specific compliance survey of the property to determine if it is in conformity with the various requirements of the ADA. It is possible that a compliance survey of the property, together with an analysis of the requirements of the ADA, could reveal that the property is not in compliance with one or more of the requirements of the Act. If so, this could have a negative effect on the value of the property. Since we have no direct evidence relating to this issue, we did not consider possible noncompliance with the requirements of ADA in developing an opinion of value.
30. This appraisal applies to the land and building improvements only. The value of trade fixtures, furnishings, and other equipment, or subsurface rights (minerals, gas, and oil) were not considered in this appraisal unless specifically stated to the contrary.
31. No changes in any federal, state or local laws, regulations or codes (including, without limitation, the Internal Revenue Code) are anticipated, unless specifically stated to the contrary.
32. Any income and expense estimates contained in the appraisal report are used only for the purpose of estimating value and do not constitute prediction of future operating results. Furthermore, it is inevitable that some assumptions will not materialize and that unanticipated events may occur that will likely affect actual performance.
33. Any estimate of insurable value, if included within the scope of work and presented herein, is based upon figures developed consistent with industry practices. However, actual local and regional construction costs may vary significantly from our estimate and individual insurance policies and underwriters have varied specifications, exclusions, and non-insurable items. As such, we strongly recommend that the Client obtain estimates from professionals experienced in establishing insurance coverage. This analysis should not be relied upon to determine insurance coverage and we make no warranties regarding the accuracy of this estimate.
34. The data gathered in the course of this assignment (except data furnished by the Client) shall remain the property of the Appraiser. The appraiser will not violate the confidential nature of the appraiser-client relationship by improperly disclosing any confidential information furnished to the appraiser. Notwithstanding the foregoing, the Appraiser is authorized by the client to disclose all or any portion of the appraisal and related appraisal data to appropriate representatives of the Appraisal Institute if such disclosure is required to enable the appraiser to comply with the Bylaws and Regulations of such Institute now or hereafter in effect.

35. You and Central California Appraisals both agree that any dispute over matters in excess of \$5,000 will be submitted for resolution by arbitration. This includes fee disputes and any claim of malpractice. The arbitrator shall be mutually selected. If Central California Appraisals and the client cannot agree on the arbitrator, the presiding head of the Local County Mediation & Arbitration panel shall select the arbitrator. Such arbitration shall be binding and final. In agreeing to arbitration, we both acknowledge that, by agreeing to binding arbitration, each of us is giving up the right to have the dispute decided in a court of law before a judge or jury. In the event that the client, or any other party, makes a claim against Central California Appraisals or any of its employees in connections with or in any way relating to this assignment, the maximum damages recoverable by such claimant shall be the amount actually received by Central California Appraisals for this assignment, and under no circumstances shall any claim for consequential damages be made.
36. Acceptance and/or use of this appraisal report constitutes acceptance of the foregoing general assumptions and limiting conditions.

ADDENDA

I certify that, to the best of my knowledge and belief:

- ▶ The statements of fact contained in this report are true and correct.
- ▶ The reported analyses, opinions, and conclusions of the signer are limited only by the reported assumptions and limiting conditions, and are my personal, impartial, and unbiased professional analyses, opinions, and conclusions.
- ▶ The signer of this report has no present or prospective interest in the property that is the subject of this report, and no personal interest with respect to the parties involved.
- ▶ Michael Burger MAI, R/W-AC has performed no services, specifically as an appraiser or in any other capacity, regarding the property that is the subject of this report within the three-year period immediately preceding acceptance of this assignment.
- ▶ The signer is not biased with respect to the property that is the subject of this report or to the parties involved with this assignment.
- ▶ The engagement in this assignment was not contingent upon developing or reporting predetermined results.
- ▶ The compensation for completing this assignment is not contingent upon the development or reporting of a predetermined value or direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of this appraisal.
- ▶ The reported analysis, opinions, and conclusions were developed, and this report has been prepared, in conformity with the requirements of the *Code of Professional Ethics and Standards of Professional Appraisal Practice* of the Appraisal Institute, and the *Uniform Standards of Professional Appraisal Practice*, as set forth by the Appraisal Standards Board of the Appraisal Foundation.
- ▶ Michael Burger MAI, R/W-AC inspected the property that is the subject of this report.
- ▶ No one provided significant real property appraisal assistance to the appraisers signing the certification.
- ▶ The use of this report is subject to the requirements of the Appraisal Institute relating to review by its duly authorized representatives.
- ▶ As of the date of this report, Michael Burger MAI, R/W-AC has completed the continuing education program for Designated Members of the Appraisal Institute.



Michael Burger MAI, R/W-AC
Certified General Real Estate Appraiser
California License No. AG003817
Expiration Date 5/17/2026

ADDENDA

ENGAGEMENT LETTER



Central California Appraisals
4915 Calloway Dr. Suite 101
Bakersfield, CA 93312

Date of Agreement: Monday, September 16, 2024

City of Shafter
Attn: Gabriel Gonzalez
336 Pacific Avenue
Shafter, C 93263
ggonzalez@shafter.com

Michael Burger MAI, R/W-AC
Certified General Appraiser
661-410-1014
mburger@appraisecc.com

PROFESSIONAL SERVICE AGREEMENT (“Agreement”)

This Professional Services Agreement (this “Agreement”) is made and entered into on September 16, 2024 (the “Effective Date”), by and between MB Appraisals, Inc., dba **Central California Appraisals** and City of Shafter (herein referred to as “Client”).

Property Identification

City of Shafter			
APNS	Address	Acres	Comments
028-200-31	E Lerdo Hwy & CA 43	0.59	Vacant Land
028-010-12	Redwood Dr & N Shafter Ave	5.42	The parcel is originally 8.54 acres , and City of Shafter will divide into two parcels. The north portion will be 5.42 acres, and the remaining will be added to parcel 028-010-09 for a total of 4.14 acres. Shafter is asking for the 5.42 acres be valued only.
089-140-66	1301 E Ash Ave	3.05	The parcel is being divided into 3 parcels; Lot 2 is 1.68 ac, Lot 3 is 1.37 ac and Lot 4 is 2.42 ac. Lots 2 and 3 will be vacant land & Lot 4 will be an industrial warehouse building. Shafter
		9.06	Parcels 2 and 3 valued, separately. Not parcel 4.

Property Type	Vacant lots
Intended User(s)	The appraisal will be prepared for the above-mentioned client. Intended users include the client. <i>Note: No other users are intended by Appraiser. Appraiser shall consider the intended users when determining the level of detail to be provided in the Appraisal Report.</i> <i>The client is also hereby informed that if this engagement is directly with the owner of the Property, the Appraisal may not be accepted by many federally insured lenders due to FIRREA Compliance and would likely not be accepted for future financing of said property.</i>
Intended Use	The report to be performed under this Agreement (“Appraisal”) is intended for potential sale of the properties. <i>Note: No other use is intended by Appraiser. The intended use as stated shall be used by Appraiser in determining the appropriate Scope of Work for the assignment.</i>
Type of Value	As-Is
Date of Value	Date of inspection
Report Type	(3) Appraisal Reports
Level of Analysis	Summary
Professional Fee	
Expenses	Fees include all associated expenses.

Payment Terms	Appraiser shall invoice Client for services rendered pursuant to this Agreement based upon the fees specified in this Agreement. Appraiser's invoices are considered due upon receipt by Client and shall be deemed delinquent if not paid within five (5) days of the date of Appraiser's invoice.
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SCOPE OF WORK

Site Inspection	on-site
Valuation Approaches	Appraiser will provide the Appraisal in accordance with Uniform Standards of Professional Appraisal (USPAP), The Code of Professional Ethics of the Appraisal Institute, Standards of Professional Appraisal Practice of the Appraisal Institute, and State Licensing Laws. Appraiser will research relevant market data, and perform analysis to the extent necessary to produce credible appraisal results. One or more of the following approaches will be considered: ▶ Cost Approach ▶ Sales Comparison Approach ▶ Income Approach The scope of work will be included in the Appraisal. A copy of the Assumptions and Limiting Conditions, which appear in the Appraisal, is available upon request. <i>Note: Appraiser shall use all approaches necessary to develop a credible opinion of value.</i>
Delivery	4 weeks (effective from date of 50% retainer or signed/returned engagement contract, whichever is later)
Number of Reports	One (1) Electronic Final Appraisal. Hard copies are available at the request of Client for an additional charge \$50 per copy.
Acceptance Date	These specifications are subject to modification if this Agreement is not accepted within 5 business days from the date of this letter.

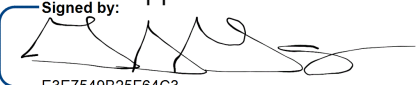
PROPERTY DATA REQUEST

Please forward any additional materials you would consider relevant in the analysis of the subject property. Such items may include:

- Preliminary Title Reports
- What are the public utilities: (water well, septic sewer and location, electricity, gas)
- Any environmental reports or other third party reports, or any other sources of information known to exist that may impact the valuation of the property

Our ability to honor the terms of this Agreement will require Client's response within five (5) business days. If you have questions regarding the enclosed, please feel free to contact me. Central California Appraisals appreciates this opportunity to be of service to you on this assignment and looks forward to serving you. If you have additional questions, please contact us.

I, Gabriel Gonzalez, agree to the above stated terms and authorize Central California Appraisals to prepare the above referenced appraisal.

Signed by:  Date: 9/17/2024
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Gabriel Gonzalez

Respectfully,

MB Appraisals, Inc., a California corporation, dba **CENTRAL CALIFORNIA APPRAISALS**



Michael Burger MAI, R/W-AC
Certified General Appraiser

TERMS AND CONDITIONS

CONFIDENTIALITY

Appraiser shall not provide a copy of the written Appraisal Report to, or disclose the results of the appraisal prepared in accordance with this Agreement to, any party other than Client, unless Client authorizes, except as stipulated in the Confidentiality Section of the Ethics Rule of the Uniform Standards of Professional Appraisal Practice (USPAP).

USE OF EMPLOYEES OR INDEPENDENT CONTRACTORS

Appraiser may use employees or independent contractors at Appraiser's discretion to complete the assignment, unless otherwise agreed by the parties. Notwithstanding, Appraiser shall sign the written Appraisal Report and take full responsibility for the services provided as a result of this Agreement.

SERVICES NOT PROVIDED

The fees set forth in this Agreement apply to the appraisal services rendered by Appraiser as set forth in this Agreement. Unless otherwise specified herein, Appraiser's services for which the fees in this Agreement apply shall not include meetings with persons other than Client or Client's agents or professional advisors; Appraiser's deposition(s) or testimony before judicial, arbitration or administrative tribunals; or any preparation associated with such depositions or testimony. Any additional services performed by Appraiser not set forth in this Agreement will be performed on terms and conditions set forth in an amendment to this Agreement, or in a separate agreement.

TESTIMONY AT COURT OR OTHER PROCEEDINGS

Unless otherwise stated in this Agreement, Client agrees that Appraiser's assignment pursuant to this Agreement shall not include Appraiser's participation in or preparation for, whether voluntarily or pursuant to subpoena, any oral or written discovery; sworn testimony in a judicial, arbitration or administrative proceeding; or attendance at any judicial, arbitration or administrative proceeding relating to this assignment.

CHANGES TO AGREEMENT

Any changes to the assignment as outlined in this Agreement shall necessitate a new Agreement. The identity of the Client, intended users, or intended use; the date of value; type of value; or property appraised cannot be changed without a new Agreement.

CANCELLATION

Client may cancel this Agreement at any time prior to Appraiser's delivery of the Appraisal Report upon written notification to Appraiser. Client shall pay Appraiser for work completed on assignment prior to Appraiser's receipt of written cancellation notice, unless otherwise agreed upon by Appraiser and Client in writing.

GOVERNING LAW AND JURISDICTION

This Agreement shall be governed by the law of the state in which Appraiser's office as specified in this Agreement is located, exclusive of that state's choice of law rules. The parties agree that any legal proceeding brought by either party to interpret or enforce this Agreement, or to enforce an arbitration award entered pursuant to this Agreement, shall be brought in a state or federal court having jurisdiction over the location of Appraiser's office as specified in this Agreement, and the parties hereby waive any objections to the personal jurisdiction of said court.

APPRAISER INDEPENDENCE

Appraiser cannot agree to provide a value opinion that is contingent on a predetermined amount. Appraiser cannot guarantee the outcome of the assignment in advance. Appraiser cannot ensure that the opinion of value developed as a result of this Assignment will serve to facilitate any specific objective of Client or others or advance any particular cause. Appraiser's opinion of value will be developed competently and with independence, impartiality and objectivity.

NOTICES

Any notice or request required or permitted to be given to any party shall be given in writing and shall be delivered to the receiving party by: a) registered or certified mail, postage prepaid; (b) overnight courier, such as Federal Express, United Parcel Service or equivalent; or (c) hand delivery. The address for delivery of any notice shall be the address for the party as specified in this Agreement, or at such other address as party may designate by written notice to the other party in conformance with this paragraph. Unless otherwise specified herein, notice shall be effective the date it is postmarked or given to a third party for delivery to the receiving party, whether or not the receiving party signs for or accepts delivery of such notice.

NO THIRD-PARTY BENEFICIARIES

Nothing in this Agreement shall create a contractual relationship between Appraiser or Client and any third party, or any cause of action in favor of any third party. This Agreement shall not be construed to render any person or entity a third party beneficiary of this Agreement, including, but not limited to, any third parties identified herein.

MEDIATION & ARBITRATION

In the event of a dispute concerning the subject matter of this Agreement, the parties shall in good faith attempt to resolve such dispute by negotiation between the parties' principals, or, if such negotiation is unsuccessful, by mediation conducted by a third-party mediator. If such mediation results in an impasse, the parties shall submit their dispute to binding arbitration. Such mediation or, if necessary, binding arbitration shall be conducted pursuant to

the mediation procedures or the commercial arbitration rules of the American Arbitration Association. Any arbitration shall be conducted in the city in which Appraiser's office as specified herein is located. The parties shall share equally the costs of any mediation. In the event of binding arbitration, the arbitrators shall, in addition to any relief appropriate to be awarded to the prevailing party, enter an award in favor of the prevailing party for that party's costs of the arbitration, including the party's reasonable attorneys' fees and arbitration expenses incurred in prosecuting or defending the arbitration proceeding. Subject to the right of the prevailing party to recover its share of the costs of the arbitration services pursuant to the arbitrator's award, the costs of the arbitration services shall be borne equally by the parties. If the prevailing party seeks judicial confirmation of any arbitration award entered pursuant to this Agreement, the court shall, in addition to any other appropriate relief, enter an award to the prevailing party in such confirmation proceeding for its reasonable attorneys' fees and litigation expenses incurred in confirming or successfully opposing the confirmation of such an award.

SPECIAL OR CONSEQUENTIAL DAMAGES

Neither party shall under any circumstances be liable to the other party for special, exemplary, punitive or consequential damages, including, without limitation, loss of profits or damages proximately caused by loss of use of any property, whether arising from either party's negligence, breach of the Agreement or otherwise, whether or not a party was advised, or knew, of the possibility of such damages, or such possibility was foreseeable by that party. In no event shall Appraiser be liable to Client for any amounts that exceed the fees and costs paid by Client to Appraiser pursuant to this Agreement.

ASSIGNMENT

Neither party may assign this Agreement to a third party without the express written consent of the other party, which the non-assigning party may withhold in its sole discretion. In the event this Agreement is assigned by mutual consent of the parties, it shall become binding on the assigning party's permitted assigns.

SEVERABILITY

In the event any provision of this Agreement shall be determined to be void or unenforceable by any court of competent jurisdiction, then such determination shall not affect any other provision of this Agreement and all such other provisions shall remain in full force and effect. Template for Agreement for Professional Valuation Services

INDEMNITIES

Client agrees to defend, indemnify and hold harmless Appraiser from any damages, losses or expenses, including reasonable attorneys' fees and litigation expenses at trial or on appeal, arising from allegations asserted against Appraiser by any third party that if proven to be true would constitute a breach by Client of any of Client's obligations, representations or warranties made in this Agreement, or any violation by Client of any federal, state or local law, ordinance or regulation, or common law (a "Claim"). In the event of a Claim, Appraiser shall promptly notify Client of such Claim, and shall cooperate with Client in the defense or settlement of any Claim. Client shall have the right to select legal counsel to defend any Claim, provided that Appraiser shall have the right to engage independent counsel at Appraiser's expense to monitor the defense or settlement of any Claim. Client shall have the right to settle any Claim, provided that Appraiser shall have the right to approve any settlement that results in any modification of Appraiser's rights under this Agreement, which approval will not be unreasonably withheld, delayed or conditioned.

Appraiser agrees to defend, indemnify and hold harmless Client from any damages, losses or expenses, including reasonable attorneys' fees and litigation expenses at trial or on appeal, arising from allegations asserted against Client by any third party that if proven to be true would constitute a breach by Appraiser of any of Appraiser's obligations, representations or warranties made in this Agreement, or any violation by Appraiser of any federal, state or local law, ordinance or regulation, or common law (a "Claim"). In the event of a Claim, Client shall promptly notify Appraiser of such Claim, and shall cooperate with Appraiser in the defense or settlement of any Claim. Appraiser shall have the right to select legal counsel to defend any Claim, provided that Client shall have the right to engage independent counsel at Client's expense to monitor the defense or settlement of any Claim. Appraiser shall have the right to settle any Claim, provided that Client shall have the right to approve any settlement that results in any modification of Client's rights under this Agreement, which approval will not be unreasonably withheld, delayed or conditioned.

CLIENT'S REPRESENTATIONS AND WARRANTIES

Client represents and warrants to Appraiser that (1) Client has all right, power and authority to enter into this Agreement; (2) Client's duties and obligations under this Agreement do not conflict with any other duties or obligations assumed by Client under any agreement between Client and any other party; and (3) Client has not engaged Appraiser, nor will Client use Appraiser's Appraisal Report, for any purposes that violate any federal, state or local law, regulation or ordinance or common law.

EXTENT OF AGREEMENT

This Agreement represents the entire and integrated agreement between the Client and Appraiser and supersedes all prior negotiations, representations or agreements, either written or oral. This Agreement may be amended only by a written instrument signed by both Client and Appraiser. This Agreement includes the following Appendices, which are incorporated into, and made a part of this Agreement:

Appendix A: Extraordinary Assumptions and Hypothetical Conditions contained within the appraisal report

Appendix B: Information Request

SUBJECT PHOTOGRAPHS



Looking Southwest at Property from Redwood Dr.



Looking East along North Property Line



Looking Southeast from Northwest Corner of Property



Looking North along West Property Line



Street View Looking West along Redwood Dr.

QUALIFICATIONS



CENTRAL CALIFORNIA

APPRAISALS

MICHAEL C. BURGER, MAI, R/W-AC

Central California Appraisals | Michael Burger & Associates

mburger@appraisecc.com

CONTACT INFORMATION

4915 Calloway Drive, Suite 101
Bakersfield, CA 93312

Main: 661.587.1010 x101

Fax: 661.834-0748

STATE CERTIFICATIONS

California

Certified General Real Estate Appraiser
License AG003817

EDUCATION

Bachelor of Science
Agricultural Business Management
California Polytechnic State University

*Empowering Decisions,
Delivering Excellence*

www.appraisecc.com

Michael C. Burger, MAI, R/W-AC

Senior Managing Director

Central California Appraisals

EXPERIENCE

Senior Managing Director

Central California Appraisals (2023 - Present)

Senior Managing Director

Valbridge Property Advisors | Central California (2013 - 2023)

President and Chief Appraiser

Michael Burger and Associates (1997 - 2013)

Probate Referee

State of California (2011 - Present)

Area Development Officer and Zone Owner

Zone Data Systems | Zaio Inc. (2007- Present)

Residential and Commercial Appraiser

Bruce Beaudoin Real Estate Appraisers (1987 - 1997)

VP Finance

Alpha Gamma Rho – San Luis Obispo Chapter (1985 - 1986)

Home Builder

John K Richardson – General Contractor (1985 - 1986)

PROFESSIONAL CREDENTIALS

MAI – Appraisal Institute

Certified General Appraiser – State of California

FHA Approved – U.S. Department of Housing and Urban Development

R/W-AC – International Right of Way Association

Probate Referee of Kern County, Mono County, Inyo County

Department of Veterans Affairs Fee Appraiser ID#5003448

CIVIC, VOLUNTEER AND PROFESSIONAL AFFILIATIONS

Director (2013-Present) Friend of Mercy Foundation

President (1998) Bakersfield Chapter Appraisal Institute

Director (2003) Bakersfield East Rotary Club

President and Treasurer (Past) Executive Association of Kern County

Class of 2000 Greater Bakersfield Chamber of Commerce Leadership Club

Director (Past) Alpha Gamma Rho Alumni Association

Director and Secretary (Past) Bakersfield Active 20-30 Club

Advisory Team City of Bakersfield Planning Department – Urban Decay

Guest Lecturer: Bakersfield College, Cal Poly State University,
Bakersfield Board of Realtors, Executive Associate of Kern County,
Kern Kiwanis, Kern County Tax Payers Association, KERN Talk
Radio, Watson Realty Corporation.

Pro Bono Appraisal and Consulting services have been provided to the
Bakersfield Police Activities League, Bakersfield Museum of Art,
American National Red Cross, Habitat for Humanity, Salvation Army,
and Kern Veteran's Memorial Foundation.

Michael C. Burger, MAI, R/W-AC

Senior Managing Director
Central California Appraisals

APPRAISAL SPECIALTIES

Subdivision Development, Mixed-use, Retail Centers, Professional/Medical Office, Hotel/Motel, Restaurant, Apartments, Industrial, Special Use & Going Concern, Hangars, High-rise and Low-rise Condominiums, Gas Stations, Golf Course, Auto Dealerships, Specialty Medical Facilities, Bowling Centers, Self-Storage, Single Family Residential, Right-of-Way/ Condemnation, Investment Analysis, Market Studies, Feasibility & High and Best Use Analysis, Business Valuations, Partial Interest Valuations.

REAL ESTATE COURSES

Rural Appraisal – Cal Poly University
Real Estate Finance – Cal Poly University
Principle of Real Estate – Cal Poly University

Real Estate Appraisal – Bakersfield College
Advanced Real Estate Appraisal – Bakersfield College
Partial Interest Valuation

APPRAISAL INSTITUTE COURSES (19- TO 40-HOUR COURSES)

Real Estate Principles
Basic Valuation Procedures
Capitalization Theory & Technical A & B
Case Studies in Real Estate Valuation
Report Writing & Valuation Analysis

Standards of Professional Practice A & B
The Appraisers Complete Review
Condemnation Appraising
Separating Real & Personal Property from Intangible
Business Assets

INTERNATIONAL RIGHT OF WAY COURSES (19- TO 40-HOUR COURSES)

The Appraisal of Partial Acquisitions (#401)
Eminent Domain Law (#803)

Business Relocation (#502)

REAL ESTATE APPRAISAL SEMINARS

Understanding Limited Appraisals – General
Appraising Complex Residential Properties
Non-Residential Demonstration Appraisal Reports
O.R.E.A. Federal & State Laws & Regulations
Loss Prevention Program for Real Estate
Real Estate Appraiser Expert Witness
Trends in the Hospitality Industry
Valuation Considerations - Partial Acquisition
Valuation of Detrimental Conditions
A Review of 1 – 4 Residential Form
Internet Sources for the California Appraiser

The FHA and the Appraisal Process
FHA Appraising for Valuation Professionals
Appraisal of Nonconforming Uses
Appraisal of Nursing Facilities
Technology and the Appraisal Process
National USPAP Update
Appraising Manufactured Housing
Litigation Seminar
Business Practices and Ethics
Vineyard Valuation & Ag Symposium
Uniform Appraisal Dataset (UAD)



Business, Consumer Services & Housing Agency
BUREAU OF REAL ESTATE APPRAISERS
REAL ESTATE APPRAISER LICENSE

Michael C. Burger

has successfully met the requirements for a license as a residential and commercial real estate appraiser in the State of California and is, therefore, entitled to use the title:

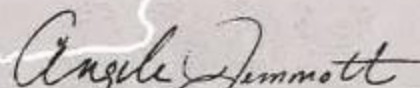
“Certified General Real Estate Appraiser”

This license has been issued in accordance with the provisions of the Real Estate Appraisers' Licensing and Certification Law.

BREA APPRAISER IDENTIFICATION NUMBER: AG 003817

Effective Date: May 18, 2024

Date Expires: May 17, 2026


Angela Jemmott, Bureau Chief, BREA

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