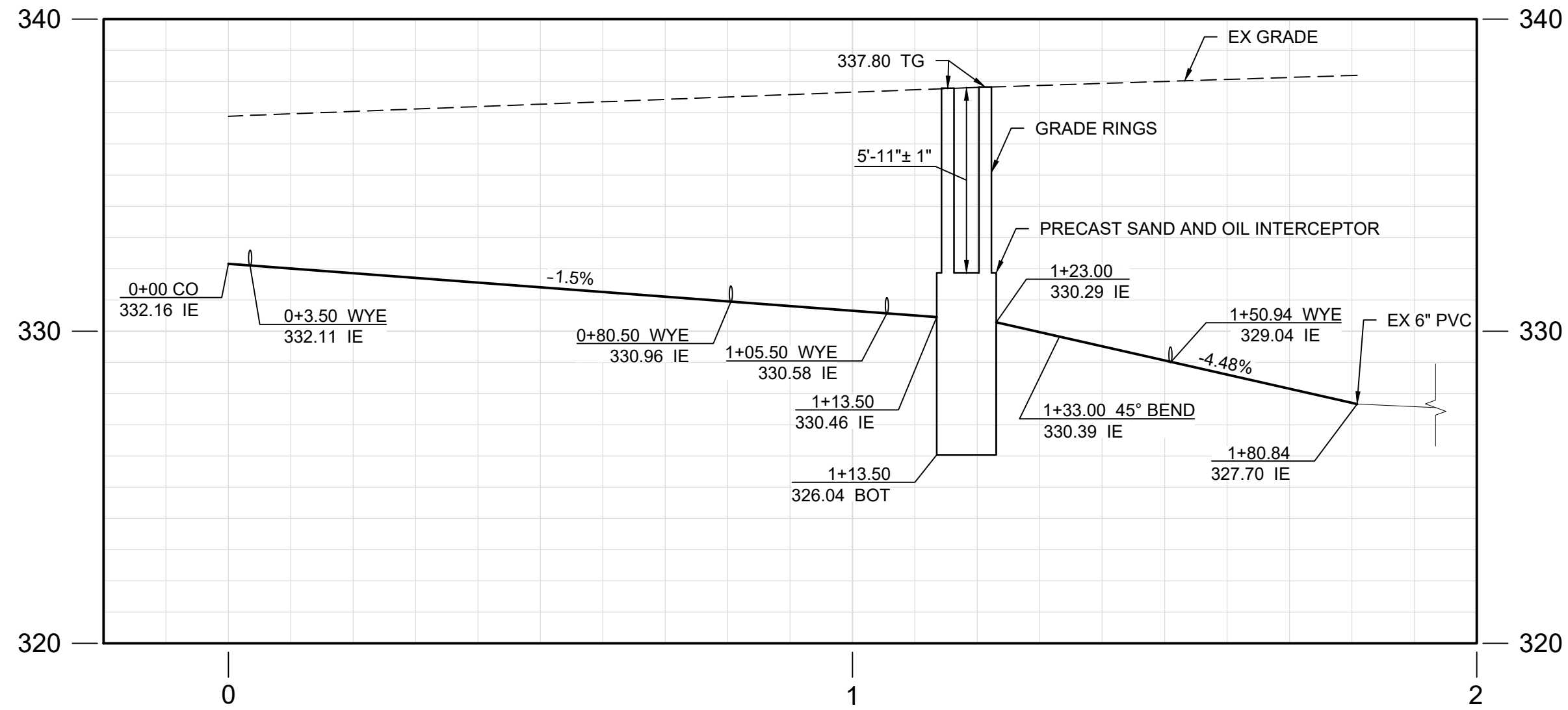


3. AN BUILDING PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT OF BUILDING PRIOR TO THE START OF ANY CONSTRUCTION WITHIN THE LIMITS OF THE PROJECT SITE INCLUDING BUT NOT LIMITED TO UTILITY CONNECTIONS OR GRADING.
2. ACCEPTANCE OF THESE IMPROVEMENTS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
3. ALL UNDERGROUND UTILITIES SHALL BE CONSTRUCTED, TESTED AND CONNECTED PRIOR TO CONSTRUCTION OF SURFACE IMPROVEMENTS.
4. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORD DATA AND FIELD SURVEYS. TO THE BEST OF OUR KNOWLEDGE, EXISTING FACILITIES ARE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITIES SHOWN HEREON AND TO MAKE A REASONABLE AND DILIGENT SEARCH TO DETERMINE ANY OTHER WHICH ARE NOT OF RECORD OR NOT SHOWN ON THESE PLANS AND TO PROTECT THE SAME. ANY FACILITIES SO LOCATED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND INCLUDED ON THE AS-BUILT DRAWINGS FOR THIS PROJECT.
5. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING EXPLORATORY EXCAVATIONS AND LOCATING EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO ALLOW FOR REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF CHANGES IN LINE OR GRADE DUE TO THE ACTUAL LOCATION OF THE EXISTING FACILITIES.
6. CITY OF SANTEE - INSPECTION REQUIREMENTS:
 - A. CONTRACTOR SHALL INFORM THE CITY PROJECT ENGINEER 48 HRS. IN ADVANCE OF COMMENCING WORK. PHONE (619) 258-4100 EXT 168.
 - B. THE CONTRACTOR SHALL GIVE A MINIMUM OF 24 HRS. NOTICE ON REQUESTS FOR INSPECTION. PHONE (619) 258-4100 EXT. 168.
 - C. ANY WORK PERFORMED WITHOUT THE BENEFIT OF INSPECTION IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ADEQUACY OF DESIGN AND CONSTRUCTION IN ACCORDANCE WITH THE SPECIFIED GENERAL STANDARDS OF CONSTRUCTION LISTED HEREON, AND TO PROTECT THE WORK AT ALL TIMES DURING THE COURSE OF CONSTRUCTION. FAILED OR DAMAGED WORK SUCH CONCRETE IMPROVEMENTS SHALL BE REPLACED TO THE NEAREST JOINT PRIOR TO PROJECT ACCEPTANCE.
8. THE CONTRACTOR SHALL ENFORCE SAFETY MEASURES AND REGULATIONS INCLUDING THE DESIGN, CONSTRUCTION AND MAINTENANCE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, DISPOSAL, AND COORDINATION OF ALL PRIVATE FACILITIES, FENCES, WALLS, DEBRIS, LANDSCAPING AND IRRIGATION WITHIN THE RIGHT OF WAY WHICH REQUIRES REMOVAL FOR CONSTRUCTION PURPOSES. EACH INDIVIDUAL OWNER EFFECTED SHALL BE NOTIFIED 5 DAYS IN ADVANCE PRIOR TO DEMOLITION OR REMOVAL OF PRIVATE PROPERTY WITHIN THE RIGHT OF WAY.
10. NO WORK OUTSIDE THE RIGHT OF WAY SHALL BE CONDUCTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE CITY.
11. CONTRACTOR SHALL POSSESS A CLASS "A" LICENSE AT THE TIME THE CONTRACT IS AWARDED.



WATER DATA				
NO	BEARING/DELTA	RADIUS	LENGTH	NOTE
1	N 59° 26' 49" W	--	17.87'	2-1/2" SCH 40 PVC
2	N 30° 33' 11" E	--	10.00'	2-1/2" SCH 40 PVC
3	N 59° 26' 49" W	--	6.00'	2-1/2" SCH 40 PVC
4	N 26° 14' 50" E	--	16.60'	2-1/2" SCH 40 PVC
5	N 63° 45' 45" W	--	51.88'	2-1/2" SCH 40 PVC
6	N 63° 45' 45" W	--	7.00'	2-1/2" SCH 40 PVC
7	N 63° 45' 45" W	--	51.50'	2-1/2" SCH 40 PVC
8	S 26° 17' 51" W	--	6.10'	1" SCH 40 PVC
9	S 63° 45' 45" E	--	2.84'	1" SCH 40 PVC
10	S 26° 17' 51" W	--	6.10'	2-1/2" SCH 40 PVC
11	N 63° 45' 45" W	--	2.50'	2-1/2" SCH 40 PVC
12	S 26° 17' 51" W	--	16.33'	2-1/2" SCH 40 PVC
13	N 63° 45' 45" W	--	2.00'	1" SCH 40 PVC

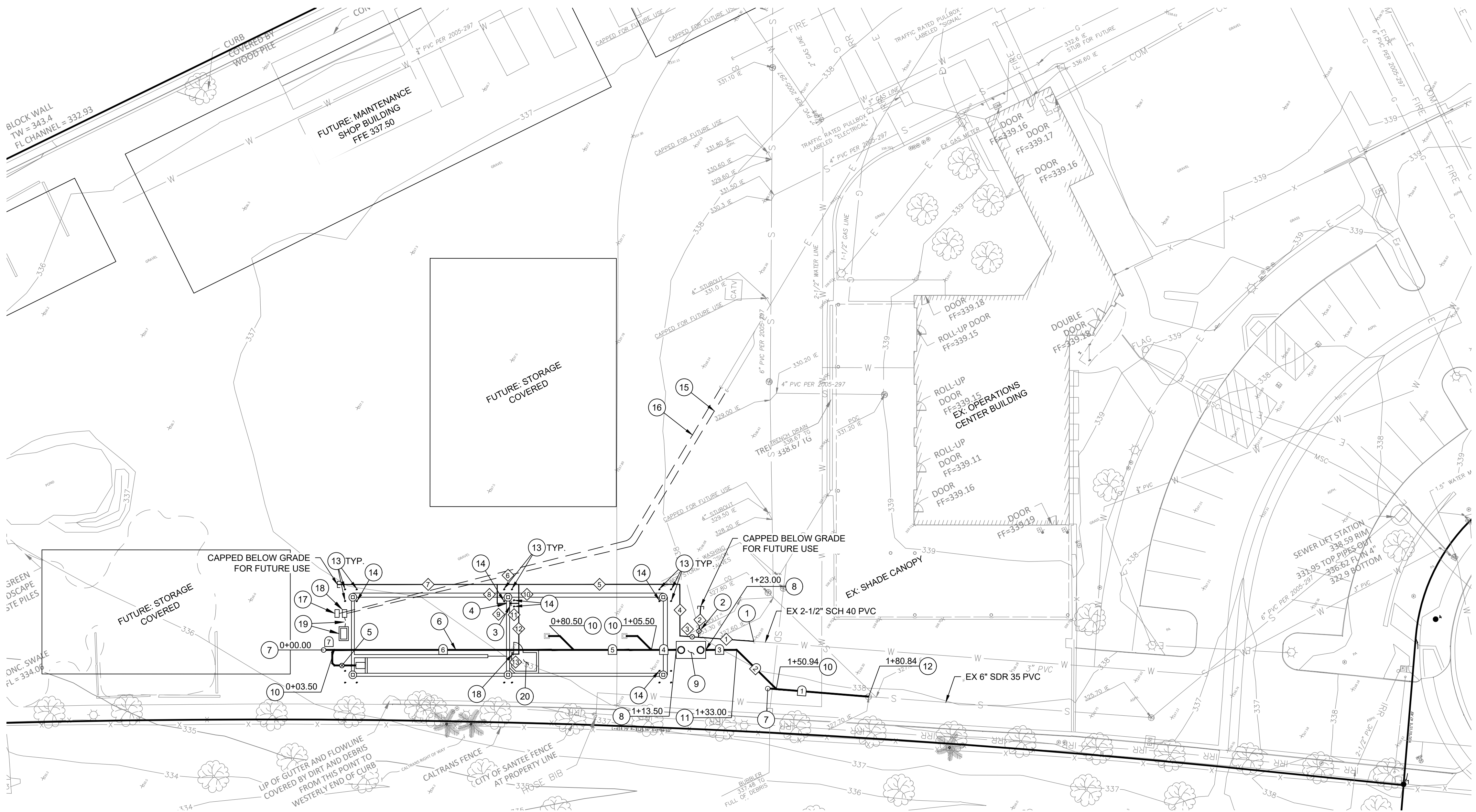
SEWER DATA				
NO	BEARING/DELTA	RADIUS	LENGTH	NOTE
1	N 58° 59' 59" W	--	29.82'	6" SDR 35 PVC
2	N 19° 02' 18" W	--	17.94'	6" SDR 35 PVC
3	N 63° 42' 22" W	--	10.00'	6" SDR 35 PVC
4	N 62° 42' 22" W	--	8.00'	6" SDR 35 PVC
5	N 62° 42' 22" W	--	25.00'	6" SDR 35 PVC
6	N 62° 42' 22" W	--	77.00'	6" SDR 35 PVC
7	N 62° 42' 22" W	--	3.50'	6" SDR 35 PVC

PROFILE

SCALE: 1" = 20' HORIZ
1" = 4' VERT

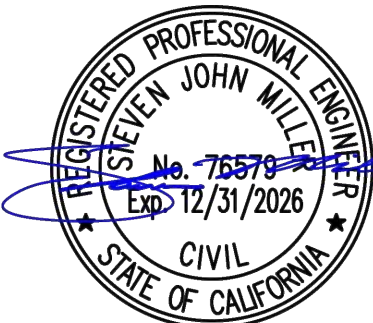
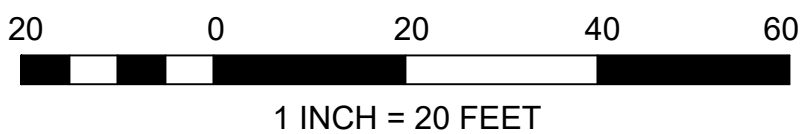
CONSTRUCTION NOTES:

- INSTALL 2-1/2" SCH 40 PVC WATER PIPE, TRENCH AND INSTALL WARNING/IDENTIFICATION TAPE AND TRACER WIRE PER DTL 7, C-5. CONNECT TO EX CAPPED 2-1/2-INCH SCH 40 PVC WITH SCH 80 COUPLING.
- INSTALL 2-1/2" RESILIENT WEDGE GATE VALVE WITH SUPPORT BLOCK PER WAS STD DWG WT-02 AND GATE WELL PER WAS STD DWG WV-02. WRAP VALVE IN POLYETHYLENE ENCASEMENT.
- INSTALL 2-1/2" FILL UP HYDRANT WITH ISOLATION VALVE PER DTL 3, C-4.
- INSTALL 1" HOSE BIBB WITH VACUUM BREAKER PER DTL 10, C-5.
- INSTALL 6" RESILIENT WEDGE GATE VALVE WITH SUPPORT BLOCK PER WAS STD DWG WT-02 AND GATE WELL PER WAS STD DWG WV-02. WRAP VALVE IN POLYETHYLENE ENCASEMENT.
- INSTALL 6" SDR 35 PVC SEWER PIPE, TRENCH AND INSTALL WARNING/IDENTIFICATION TAPE AND TRACER WIRE PER DTL 6, C-5.
- INSTALL 6" SEWER CLEANOUT PER WAS STD DWG SC-01.
- CONNECT 6" SDR 35 PVC PIPE TO PRECAST SAND/OIL INTERCEPTOR STRUCTURE.
- INSTALL PRECAST 1,000 GAL CAPACITY SAND/OIL INTERCEPTOR STRUCTURE PER DTL 9, C-5.
- 6" X 6" X 6" PVC SDR 35 SOLVENT WELD WYE.
- 6" X 6" PVC SDR 35 SOLVENT WELD 45 DEGREE BEND.
- DEMOLISH EXISTING CLEANOUT AND CONNECT TO EXISTING 6" SDR 35 PVC PIPE WITH MAX-ADAPTER COUPLING.
- 6" STEEL BOLLARD PER GRADING PLAN, C-2.
- 6" STEEL BOLT DOWN BOLLARD PER GRADING PLAN, C-2.
- ELECTRICAL LINES PER ELECTRICAL DWGS, E-1.
- COMMUNICATION LINES PER ELECTRICAL DWGS, E-1.
- PULL BOX FOR COMMUNICATIONS. SEE ELECTRICAL DWGS, E-1.
- PULL BOX FOR ELECTRICAL. SEE ELECTRICAL DWGS, E-1.
- ELECTRICAL GEAR. SEE ELECTRICAL DWGS, E-2.
- EQUIPMENT ROOM. SEE CIVIL DTL 11, C-6.



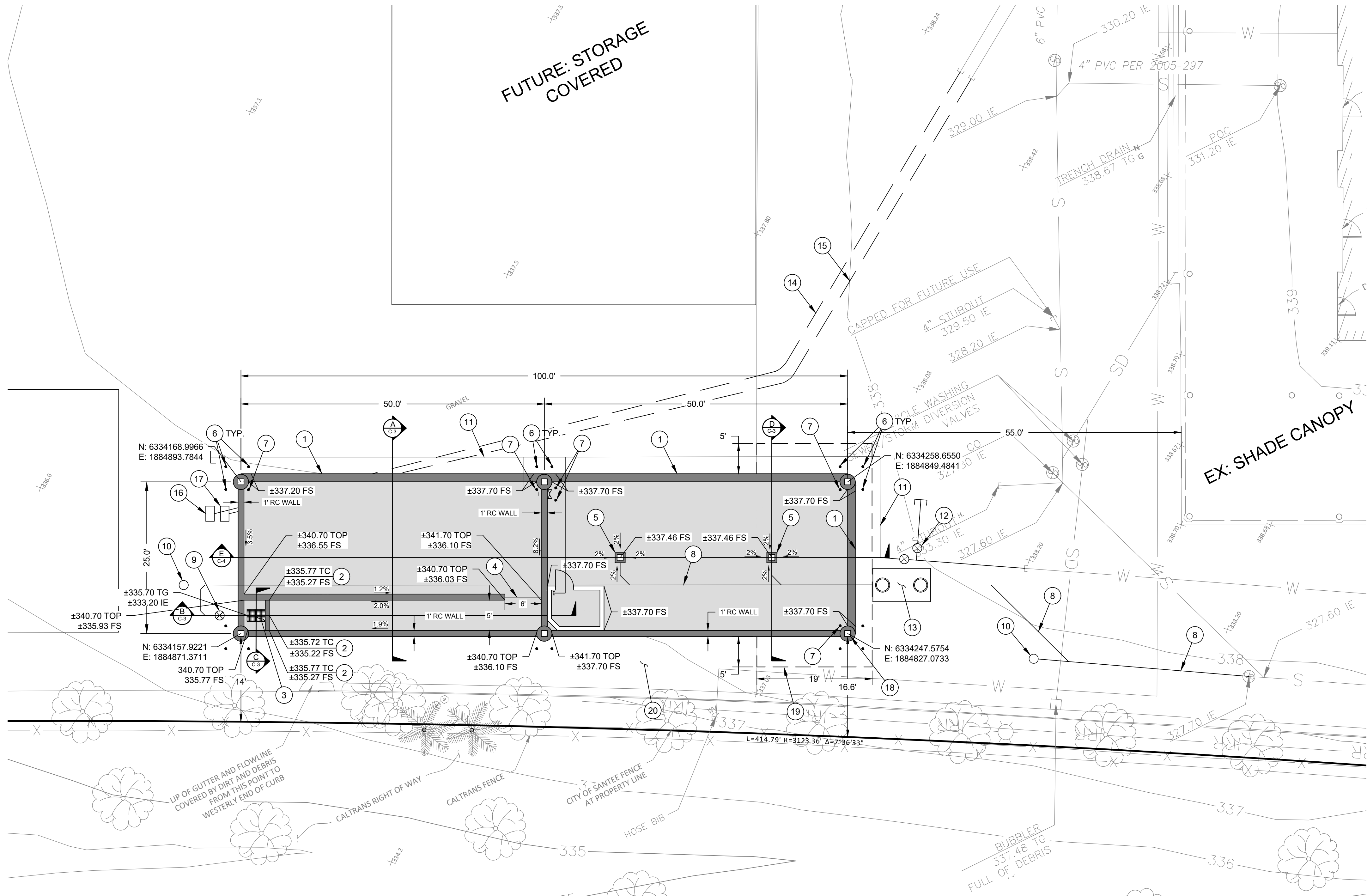
PLAN

SCALE: 1" = 20' HORIZ



CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2085-235 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	SITE AND PLUMBING PLAN: OPERATIONS CENTER VACTOR DECANTING STATION		CIP 2023-32	2026-291
INSPECTOR								VERT: AS SHOWN	STEVEN J. MILLER			Antonio Sandoval				SHEET 2 OF 21
DATE COMPLETED									RCE NO. 76579		DATE 6/25/2026 EXPIRES 12/31/2026					

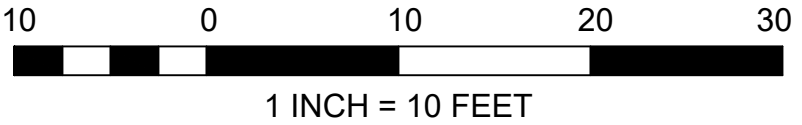
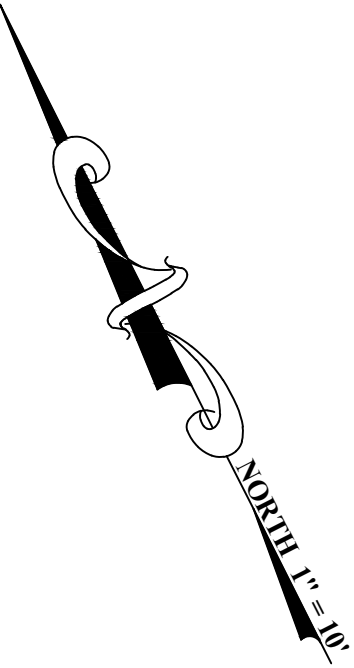
C-1



PLAN

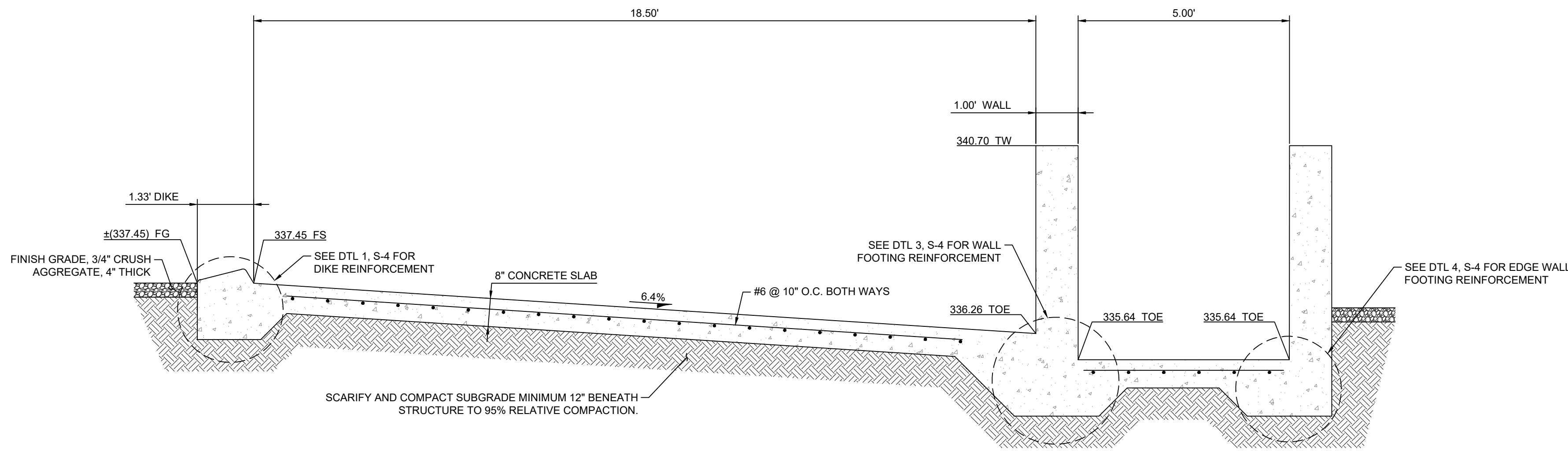
SCALE: 1" = 10' HORIZ

- CONSTRUCTION NOTES:**
- 1 CONSTRUCT DIKE PER STRUCTURAL DWGS, DTL 1, S-4.
 - 2 CONSTRUCT 6" CURB PER STRUCTURAL DWGS, DTL 5, S-4.
 - 3 CONSTRUCT 3'X2' GRATED DROP INLET PER STRUCTURAL DWGS, DTL 5 & 6, S-4.
 - 4 CONSTRUCT LUMBER STOP LOG PER DTL 1, C-3.
 - 5 INSTALL 12"X12" PRECAST GRATED DROP INLET PER DTL 8, C-5.
 - 6 STEEL BOLLARD PER DTL 4, C-4.
 - 7 STEEL BOLT DOWN BOLLARD PER DTL 5, C-4.
 - 8 6" SDR 35 PVC SEWER PIPE PER SITE AND PLUMBING PLAN, C-1.
 - 9 6" RESILIENT WEDGE GATE VALVE PER SITE AND PLUMBING PLAN, C-1.
 - 10 SEWER CLEANOUT PER SITE AND PLUMBING PLAN, C-1.
 - 11 2-1/2" SCH 40 PVC WATER PIPE PER SITE AND PLUMBING PLAN, C-1.
 - 12 2-1/2" RESILIENT WEDGE GATE VALVE PER SITE AND PLUMBING PLAN, C-1.
 - 13 PRECAST 1,000 GALLON SAND AND OIL INTERCEPTOR PER SITE AND PLUMBING PLAN, C-1.
 - 14 ELECTRICAL LINES PER ELECTRICAL DWGS, E-1.
 - 15 COMMUNICATIONS LINES PER ELECTRICAL DWGS, E-1.
 - 16 PULL BOX FOR COMMUNICATIONS. SEE ELECTRICAL DWGS, E-1.
 - 17 PULL BOX FOR ELECTRICAL. SEE ELECTRICAL DWGS, E-1.
 - 18 STANDING SEAM METAL ROOF SHADE STRUCTURE AND CONCRETE PIER FOUNDATION. DESIGN TO BE PROVIDED BY CONTRACTOR.
 - 19 DEMO AND REPLACE EXISTING 4" THICK ASPHALT CONCRETE ON EXISTING 16" THICK CLASS II BASE LAYER TO TIE ONTO NEW CONCRETE.
 - 20 REPLACE IN KIND 3/4" GRAVEL GROUND COVER, MINIMUM 10' DISTANCE AROUND STRUCTURE.



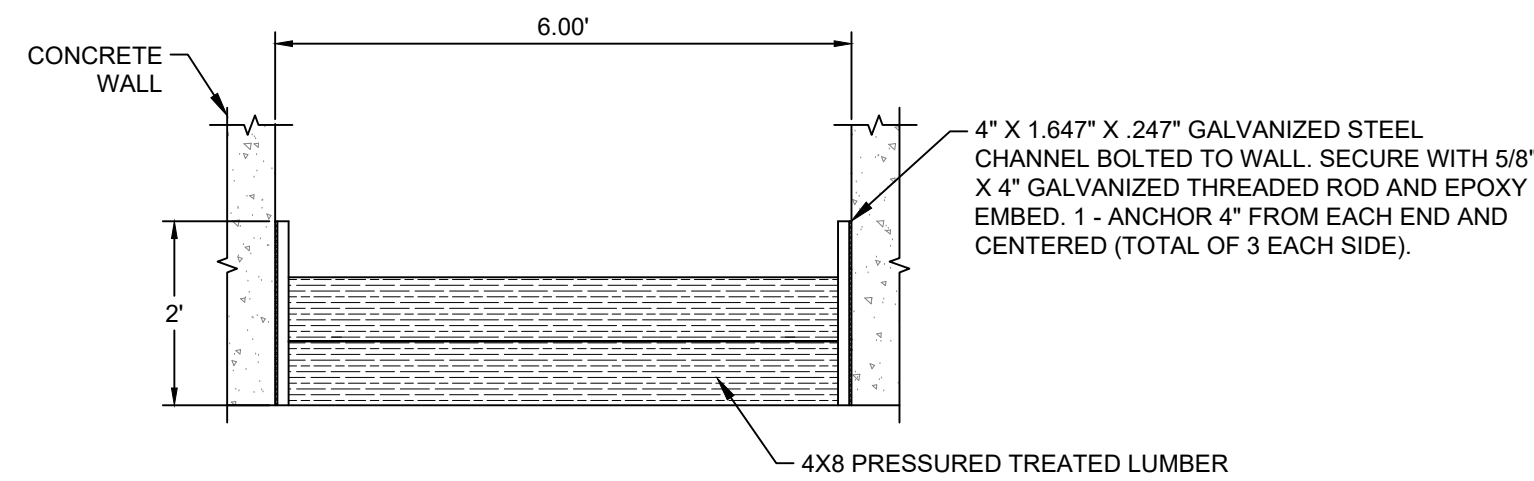
CONSTRUCTION RECORD			REFERENCES		DATE	BY	REVISIONS		ACPTD	BENCH MARK			SCALE		DESIGNED BY		DRAWN BY		CHECKED BY		REVIEWED 10/5/2026 BY <i>Antonio Sandoval</i> PROJECT ENGINEER	CITY OF SANTEE		DEPARTMENT OF ENGINEERING		CITY W.O. NO.		DRAWING NO.	
CONTRACTOR _____			DWG NO. 2026-235 TO 312 CITY MAINTENANCE FACILITY							STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83			AS		AS		SM		GRADING PLAN: OPERATIONS CENTER VACTOR DECANTING STATION			CIP 2023-32		2026-292					
INSPECTOR _____													HORIZ: AS SHOWN		PLANS PREPARED UNDER THE SUPERVISION OF STEVEN J. MILLER											DATE 6/25/2026			
DATE COMPLETED _____													VERT: AS SHOWN		RCE NO. 76579		EXPIRES 12/31/2026												

C-2



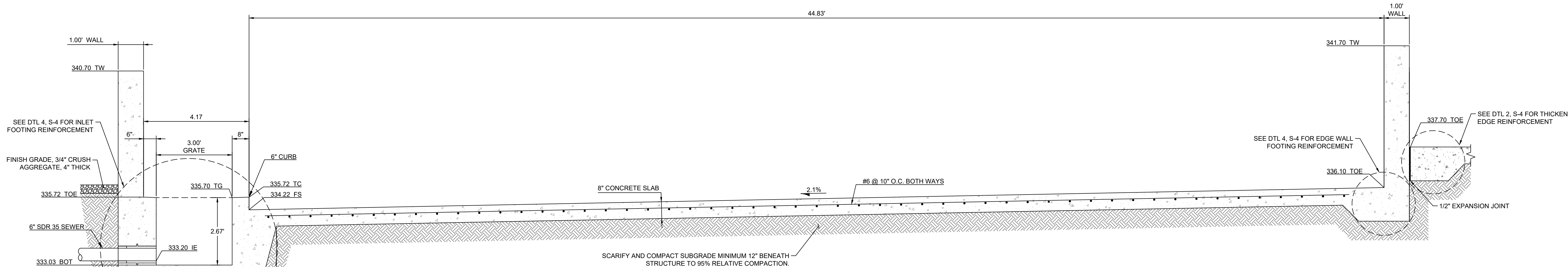
SECTION
SCALE: 1" = 2'

A
C-3



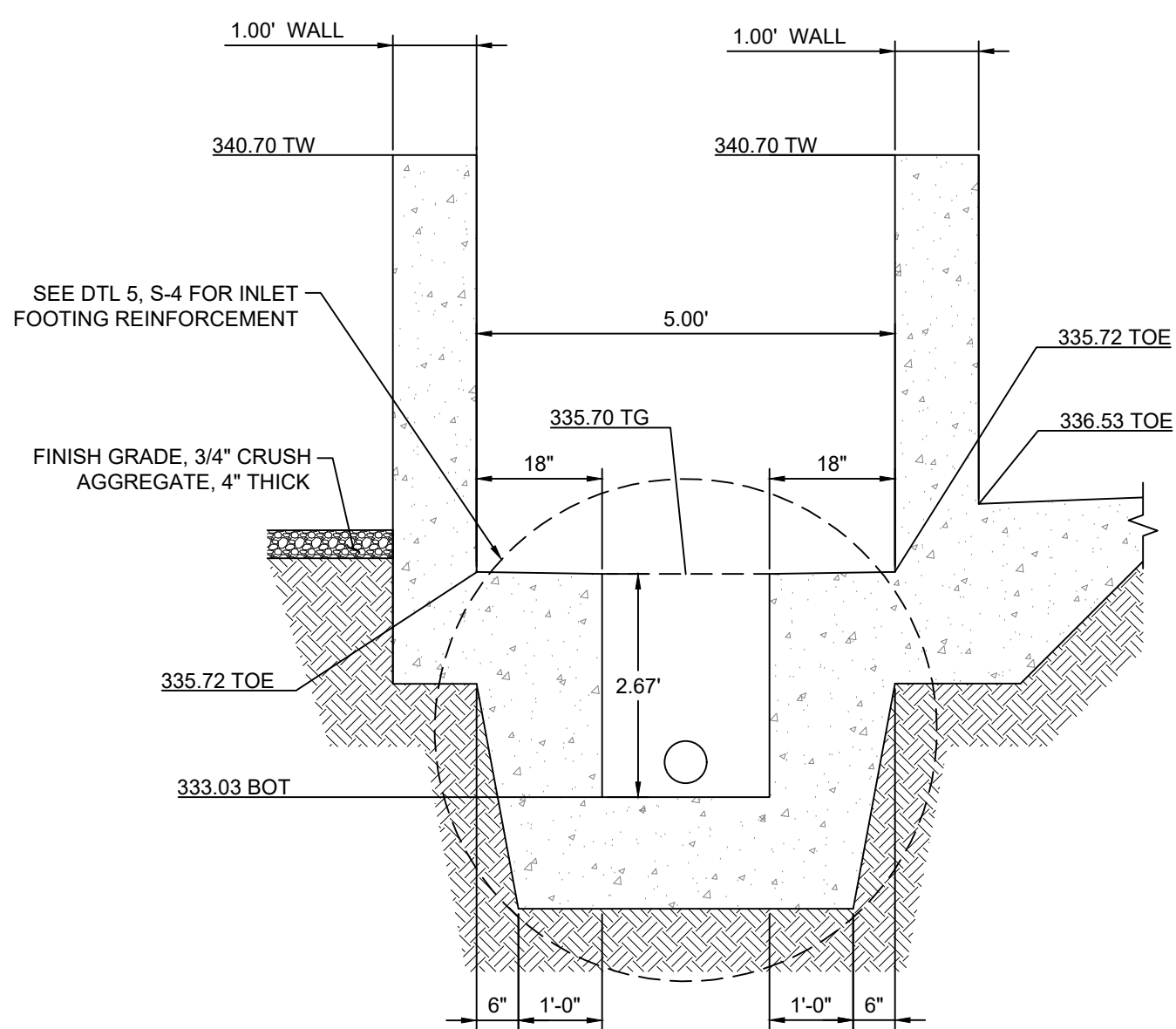
STOP LOG DETAIL
SCALE: 1" = 2'

1
C-3



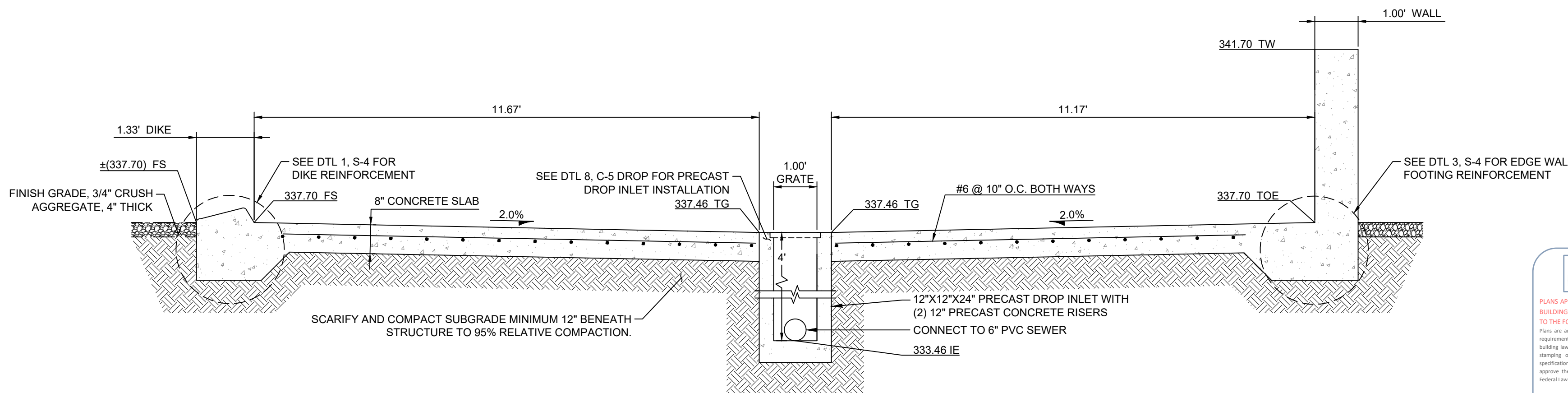
SECTION
SCALE: 1" = 2'

B
C-3



SECTION
SCALE: 1" = 2'

C
C-3



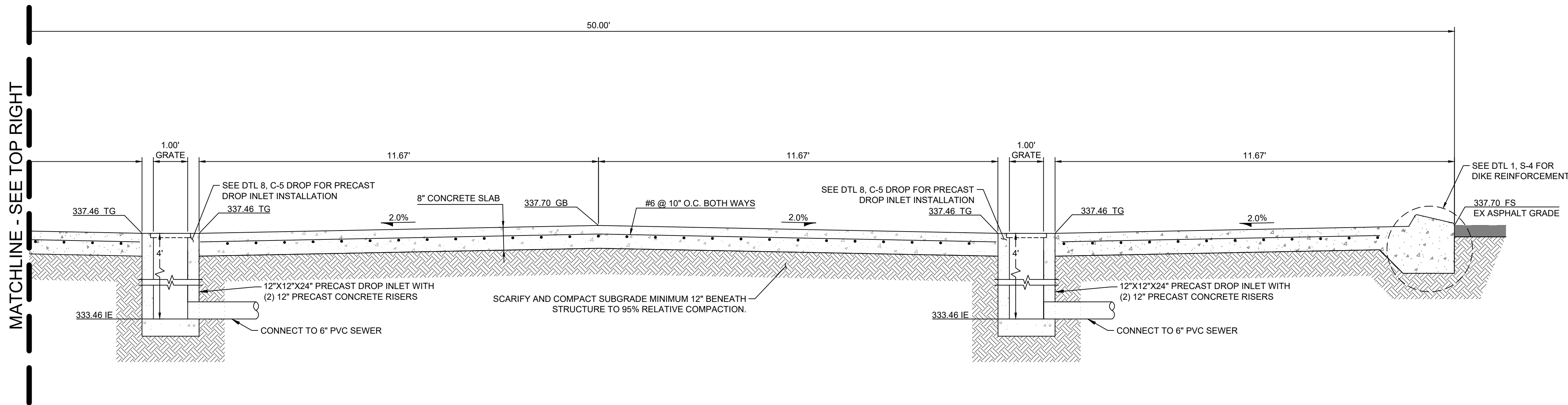
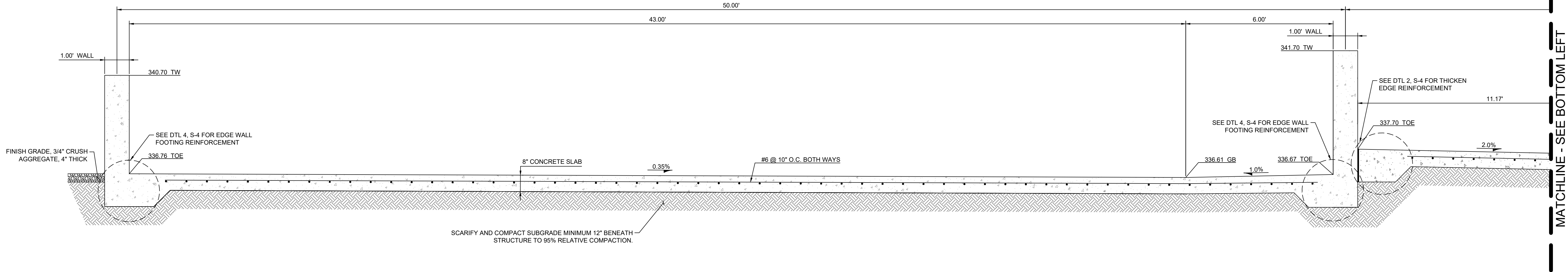
SECTION
SCALE: 1" = 2'

D
C-3



CONSTRUCTION RECORD				REFERENCES		DATE	BY	REVISIONS		ACPTD	BENCH MARK		SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE		DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR				DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY							STATION 2163 PER RECORD OF SURVEY 11252		HORIZ: AS SHOWN	AS		AS	10/5/2026	CIVIL DETAILS:			CIP 2023-32	2026-293
INSPECTOR											ELEVATION: 360.18 (NGVD 29) US SURVEY FEET		VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF			By Antonio Sandoval	OPERATIONS CENTER VACTOR DECANTING STATION				
DATE COMPLETED											BASIS OF COORDINATES: CA ZONE 6 NAD83			STEVEN J. MILLER		DATE 6/25/2026	PROJECT ENGINEER					SHEET 4 OF 21
														RCE NO. 76579		EXPIRES 12/31/2026						

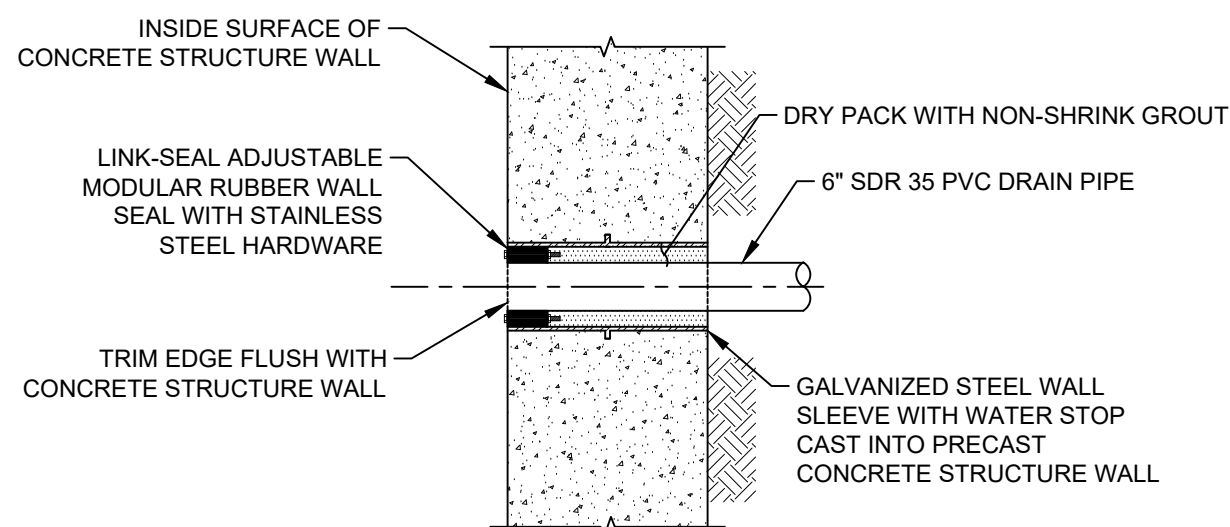
IMPROVEMENT PLANS - OPERATIONS CENTER VACTOR DECANTING STATION, CIP 2023-32



SECTION

SCALE: 1" = 2'

E
C-4

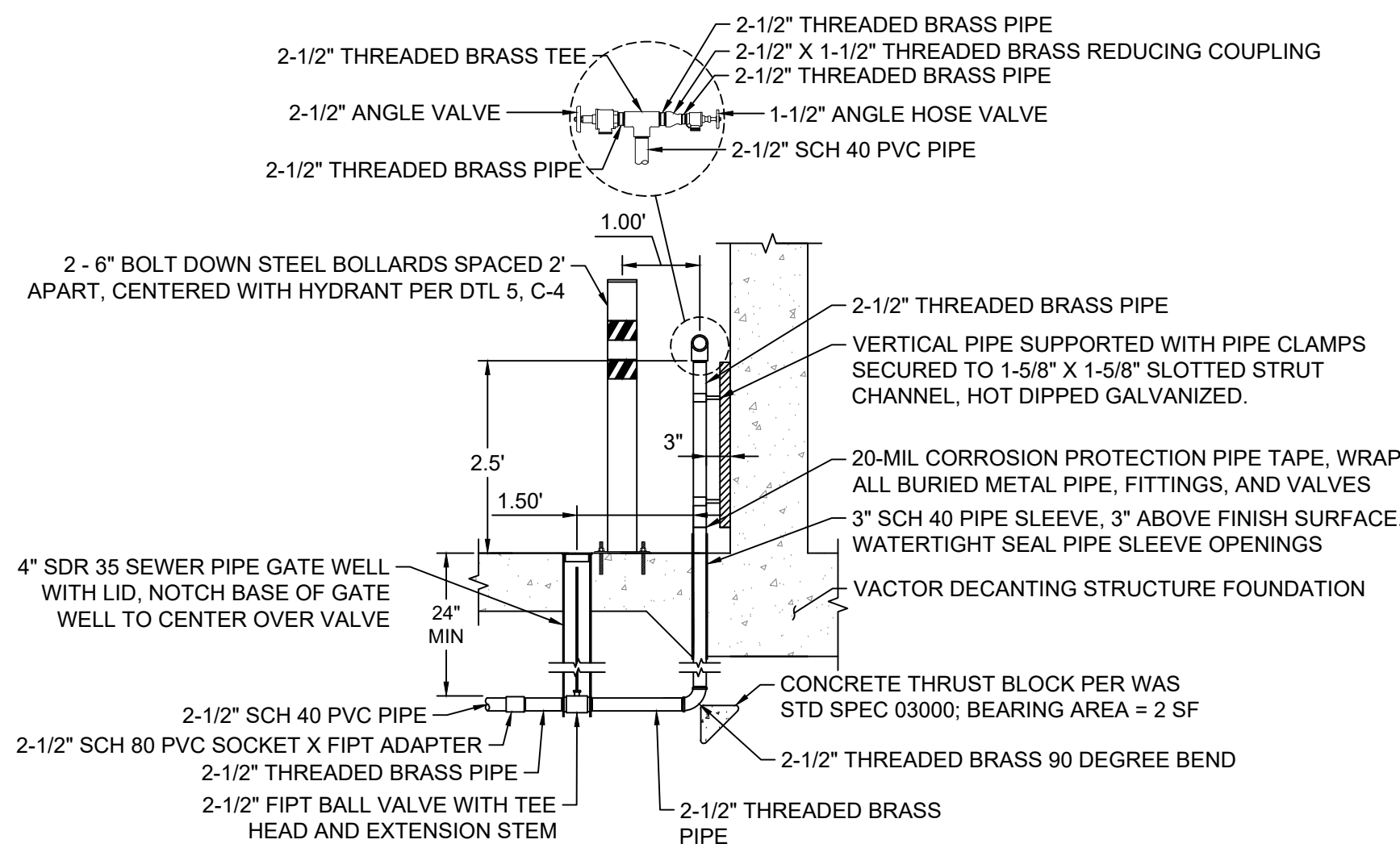


WALL PENETRATION

NOT TO SCALE

2

C-4

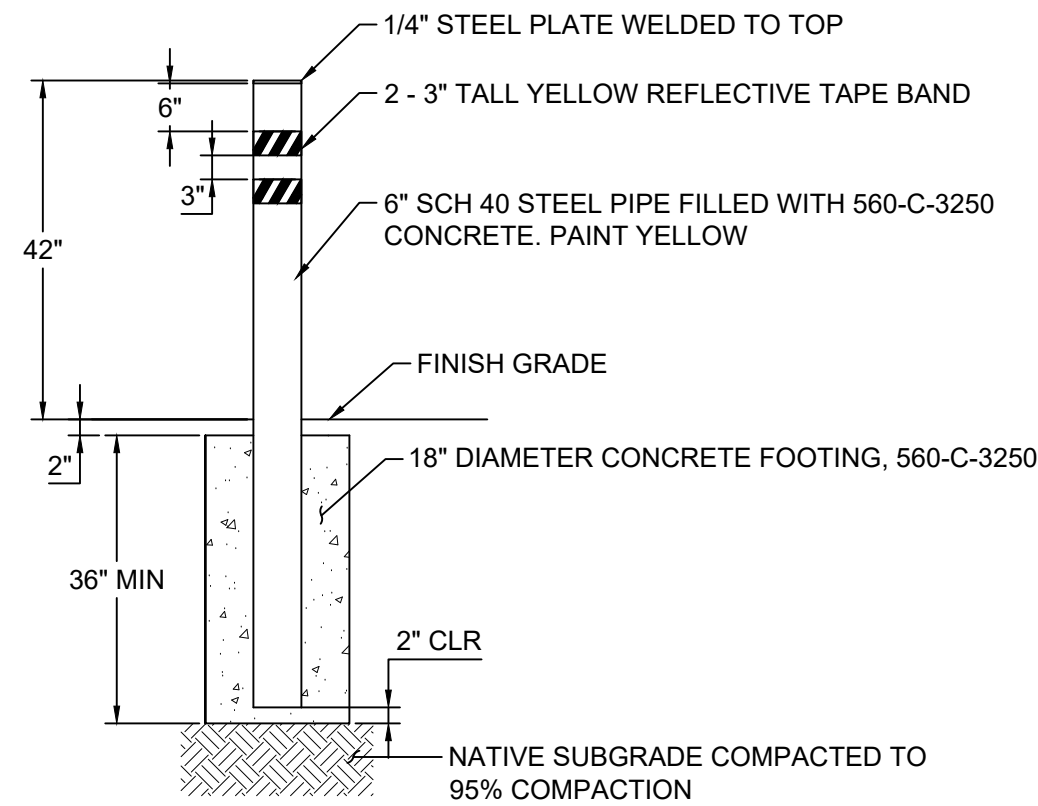


FILL UP HYDRANT

NOT TO SCALE

3

C-4

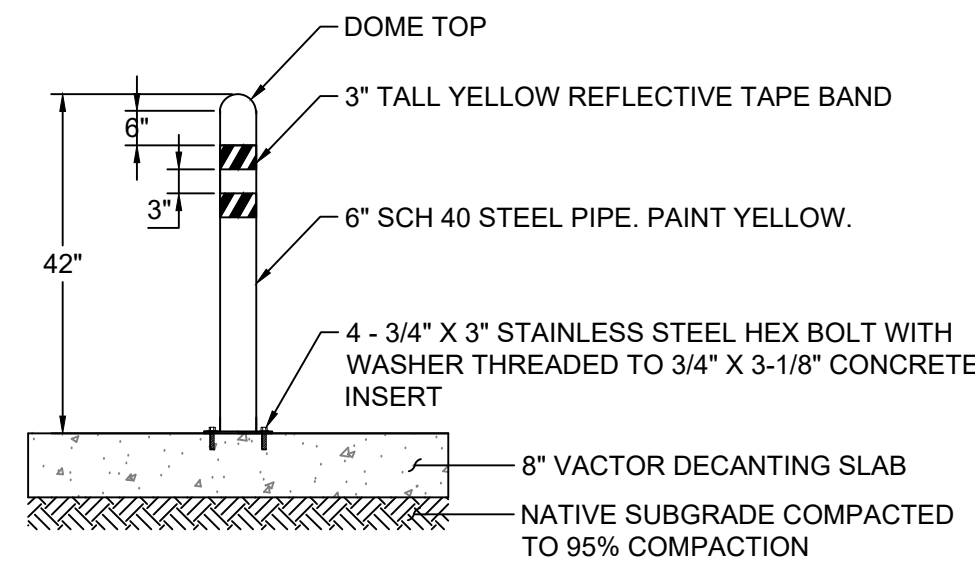


STEEL BOLLARD

NOT TO SCALE

4

C-4



BOLT DOWN BOLLARD

NOT TO SCALE

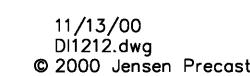
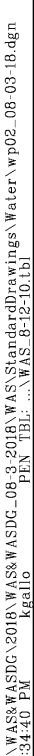
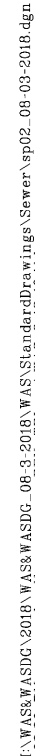
5

C-4



CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	CIVIL DETAILS:			
INSPECTOR								VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF STEVEN J. MILLER	DATE 6/25/2026	EXPIRES 12/31/2026	Antonio Sandoval	OPERATIONS CENTER VACTOR DECANTING STATION		CIP 2023-32	2026-294
DATE COMPLETED									RCE NO. 76579							SHEET 5 OF 21

C-4



6
C-5

C-5

NOTES:

1. INSTALL PER MANUFACTURER INSTRUCTIONS AND RECOMMENDATIONS.
2. SEE SITE AND PLUMBING PLAN, C-1, FOR SEWER MAIN INLET/OUTLET INVERT ELEVATIONS.
3. GRADE RINGS SHALL BE INSTALLED AS REQUIRED TO REACH FINISHED GRADE ELEVATION.
4. SUB GRADE SHALL BE COMPACTED TO MINIMUM 95-PERCENT RELATIVE COMPACTION.



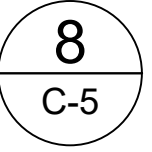
5. BEDDING SHALL BE 8-INCHES THICK OF 3/4" CRUSH ROCK, COMPACTED AND GRADED LEVEL BEFORE LAYING SAND/OIL INTERCEPTOR.
6. INSTALL 4" PVC VENT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
7. VENT PIPING SHALL TERMINATE ABOVE ROOF LINE OF STANDING SEAM STEEL SHADE STRUCTURE. COORDINATE WITH CITY FOR LOCATION OF VENT STACK
8. COORDINATE WITH STANDING SEAM STEEL SHADE STRUCTURE MANUFACTURER FOR VENT PENETRATION THROUGH ROOF.

7
C-5

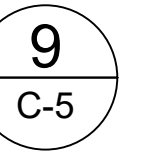
C-5

10
C-5

C-5

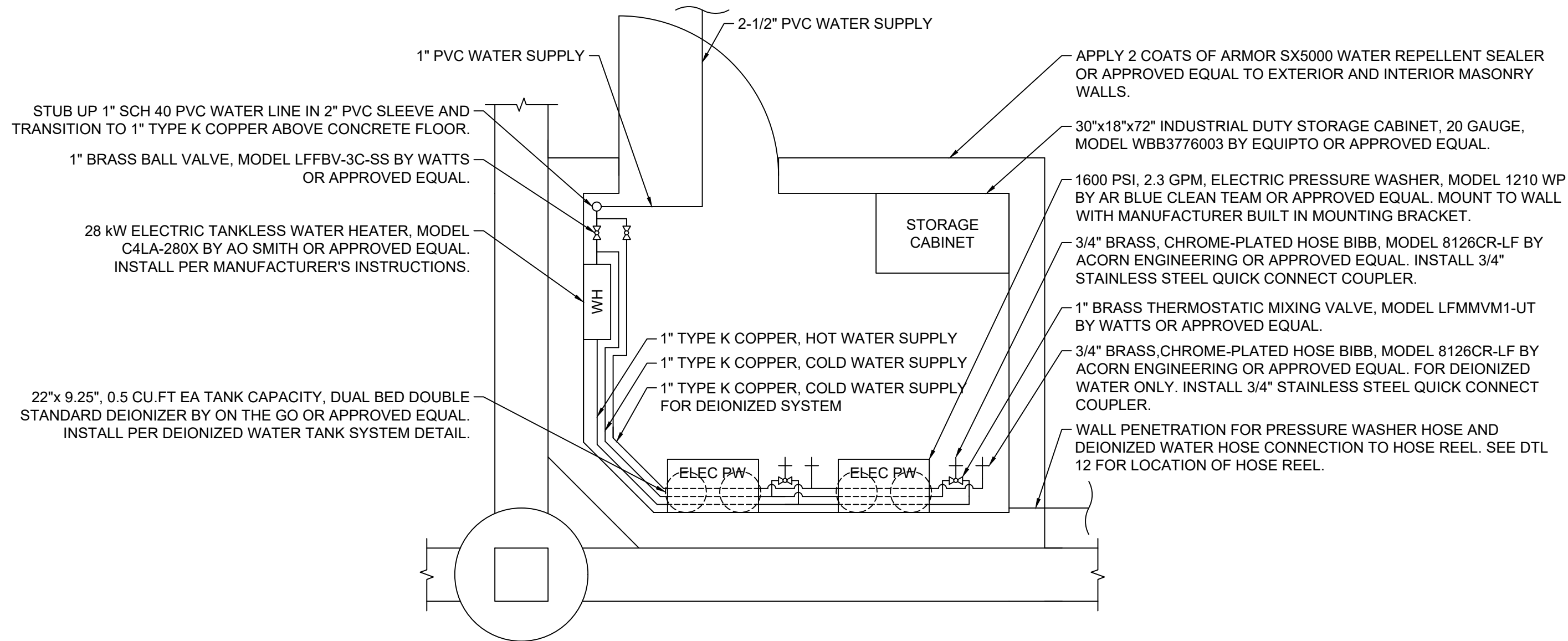


C-5



C-5

C-5

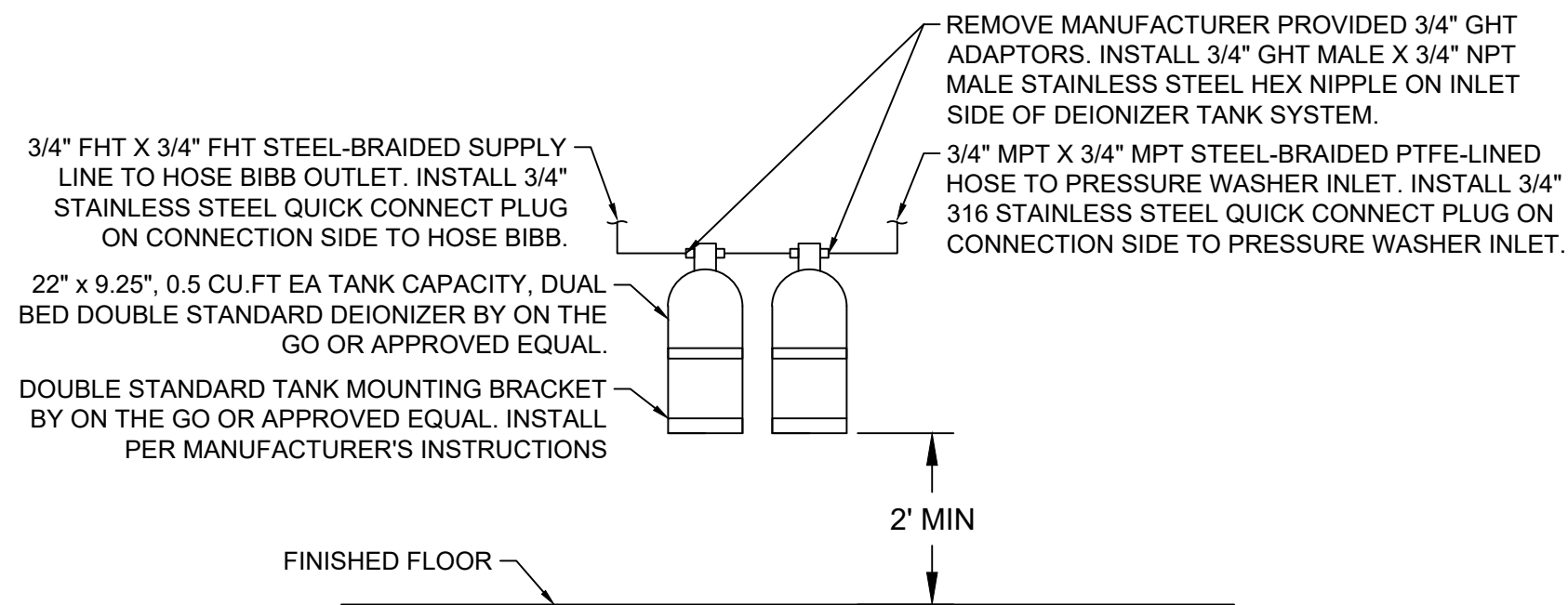


- NOTE:
1. LOCATION OF ALL EQUIPMENT SHALL BE VERIFIED WITH CITY PRIOR FOR FINAL INSTALLATION.
 2. PLUMBING LINES ARE SHOWN DIAGRAMMATIC FOR LAYOUT ONLY. ALL PLUMBING LINES SHALL BE MOUNTED TO WALL USING SLOTTED CHANNEL STRUT AND PIPE STRAPS
 3. ALL VALVES AND FITTINGS SHALL BE SOLDER TO COPPER PIPE. PRESS-FIT, PUSH TO CONNECT, AND COMPRESSION TYPE CONNECTIONS ARE NOT ALLOWED.

EQUIPMENT ROOM ENLARGE PLAN

NOT TO SCALE

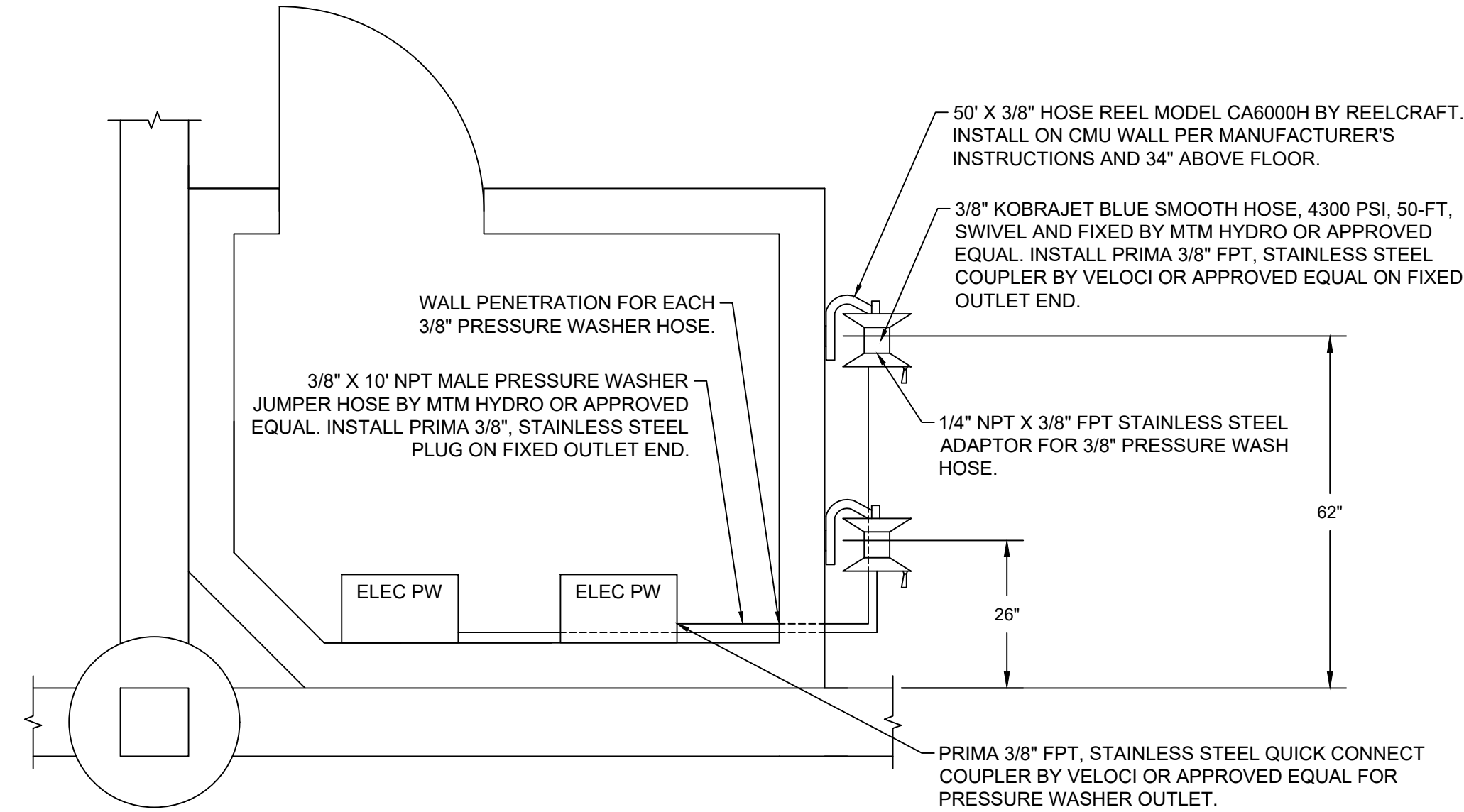
11
C-6



DEIONIZED WATER TANK SYSTEM DETAIL

NOT TO SCALE

13
C-6



HOSE REEL CONNECTION DETAIL

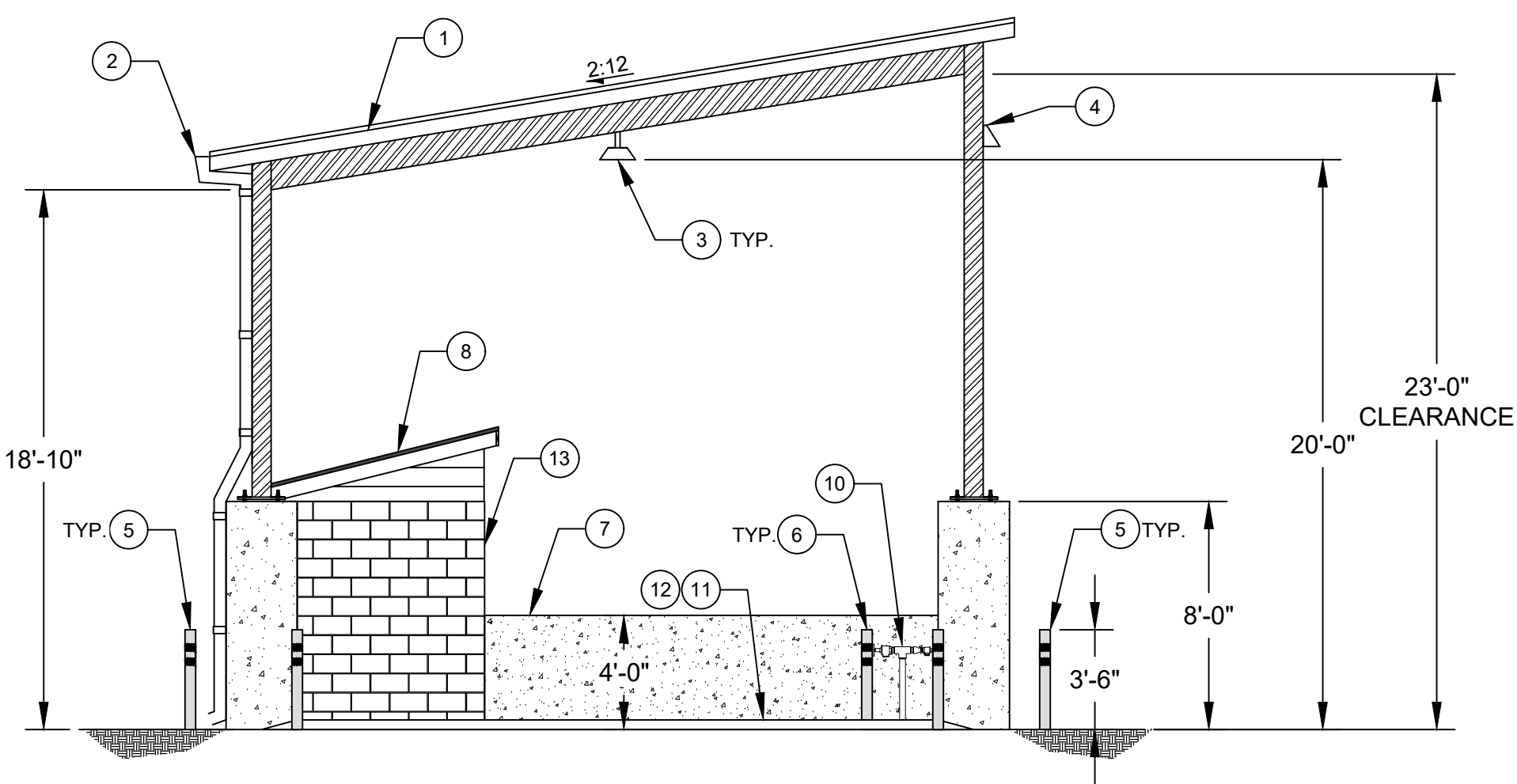
NOT TO SCALE

12
C-6

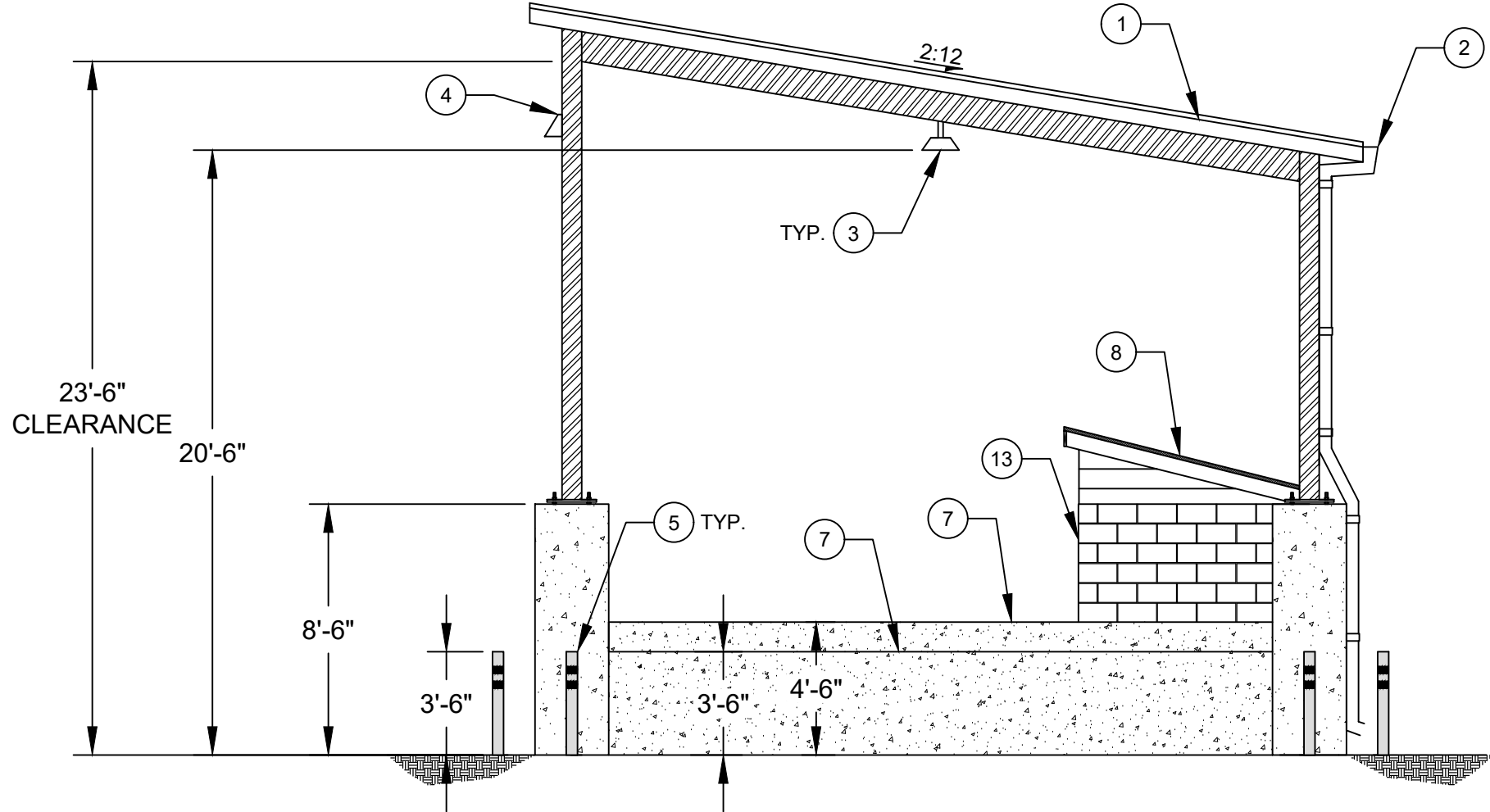


CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	CIVIL DETAILS:			
INSPECTOR								VERT: AS SHOWN	STEVEN J. MILLER			Antonio Sandoval	OPERATIONS CENTER VACTOR DECANTING STATION		CIP 2023-32	2026-296
DATE COMPLETED									RCE NO. 76579		DATE 6/25/2026 EXPIRES 12/31/2026					SHEET 7 OF 21

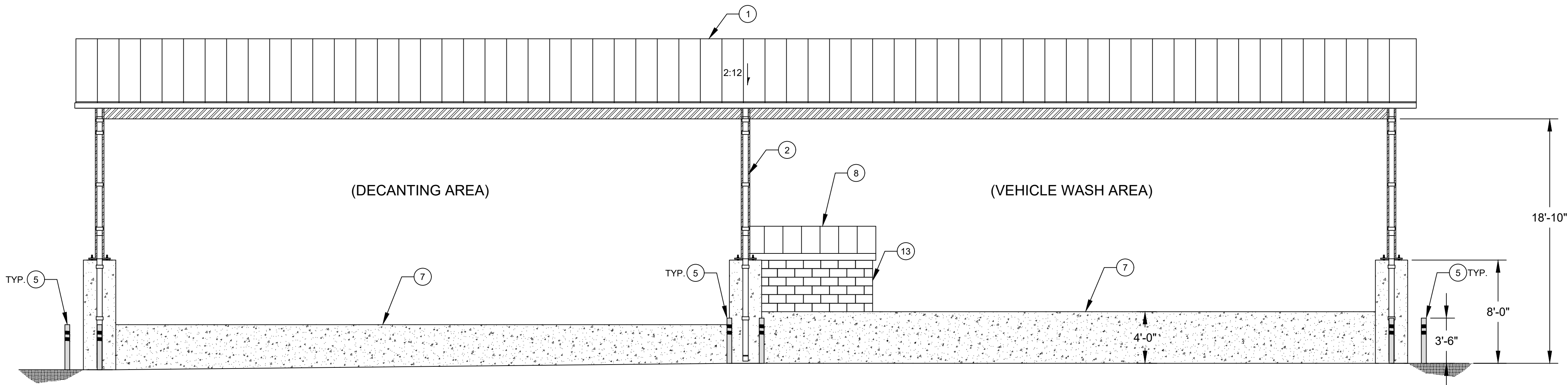
C-6



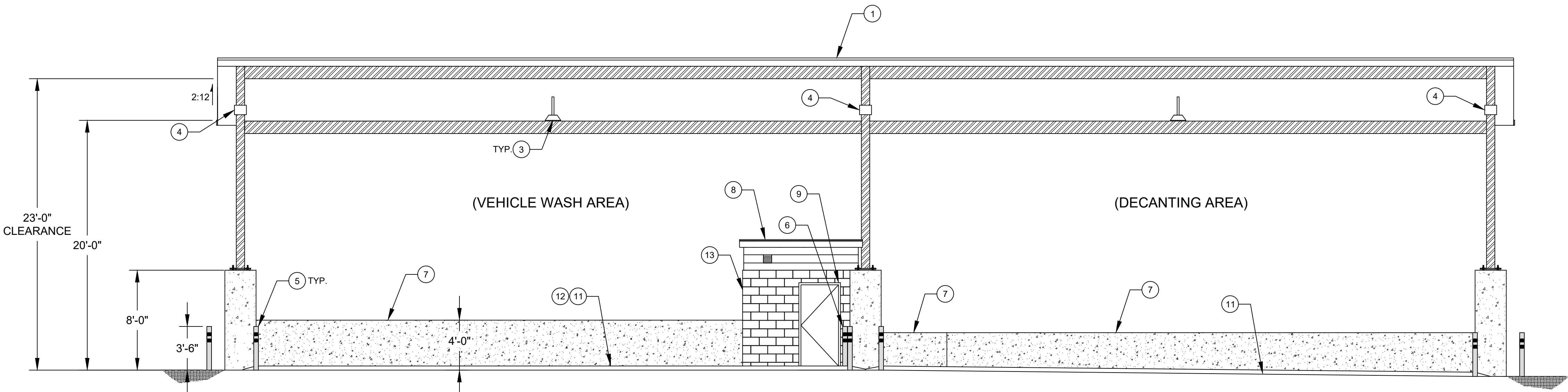
SOUTH EAST ELEVATION
SCALE: NTS



NORTH WEST ELEVATION
SCALE: 3/16" = 1'



SOUTH WEST ELEVATION
SCALE: 3/16" = 1'



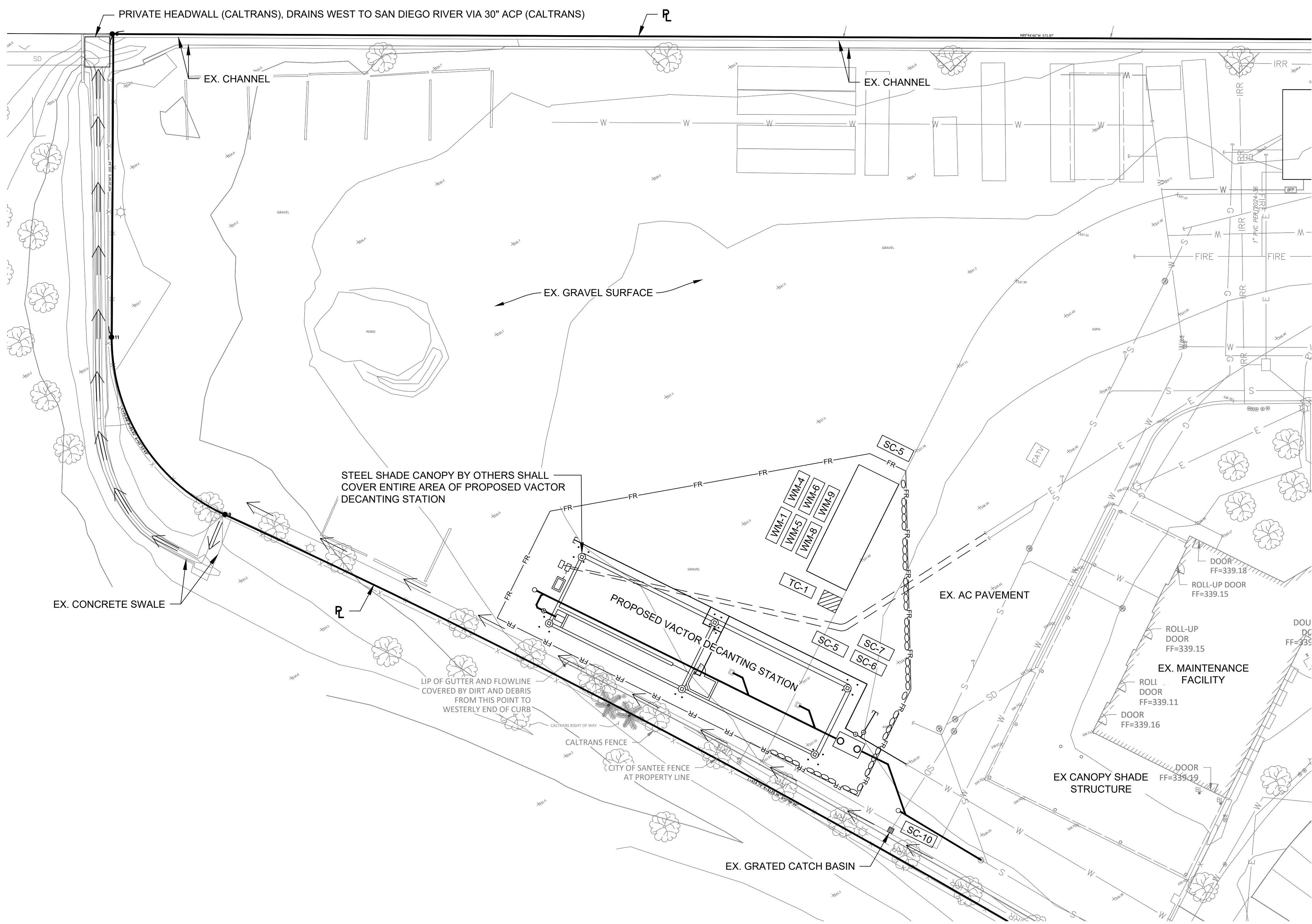
NORTH EAST ELEVATION
SCALE: 3/16" = 1'

KEY NOTES:

- 1 STANDING SEAM METAL ROOF SHADE STRUCTURE AND CONCRETE PIER FOUNDATION. DESIGN TO BE PROVIDED BY CONTRACTOR. STANDING SEAM METAL ROOF SHALL CONTAIN 22-GAUGE METAL ROOF PANELS, COLOR TO MATCH EXISTING METAL ROOF FOR OPERATIONS CENTER.
- 2 RAIN GUTTER AND DOWNSPOUT SYSTEM. RAIN GUTTER SHALL BE SMOOTH BOX STYLE, 22-GAUGE GALVANIZED STEEL, PAINTED BLACK TO MATCH COLOR OF STEEL FRAME OF STANDING SEAM METAL ROOF SHADE STRUCTURE.
- 3 HIGH BAY LIGHTING PER ELECTRICAL DWGS, E-3.
- 4 EXTERIOR WALL PACK LIGHTING PER ELECTRICAL DWGS, E-3.
- 5 STEEL BOLLARD PER DTL 4, C-4.
- 6 BOLT DOWN STEEL BOLLARD PER DTL 5, C-4.
- 7 CONCRETE STRUCTURE WALL PER PLAN
- 8 8' X 6' EQUIPMENT ROOM. CMU WALL PER STRUCTURAL DWGS, DTL 7, S-4. EQUIPMENT ROOM ROOF FRAMING DETAILS PER STRUCTURAL DWGS, S-5.
- 9 3'X7' HOLLOW METAL DOOR WITH 24" X 18" LOUVER VENT, PAINTED GREY.
- 10 FILL UP HYDRANT PER DTL 3, C-4
- 11 CONCRETE DIKE PER STRUCTURAL DWGS, DTL 1, S-4
- 12 APPLY 3/16" CROWNCRETE SL URETHANE CEMENT SYSTEM OR APPROVED EQUAL TO VEHICLE WASH AREA CONCRETE SLAB SURFACE, INCLUDING SLAB AREA IN EQUIPMENT ROOM (1200 SF TOTAL). COLOR SHALL BE DARK GREY.
- 13 APPLY 2 COATS OF ARMOR SX5000 WATER REPELLENT SEALER OR APPROVED EQUAL TO EXTERIOR AND INTERIOR MASONRY WALLS OF EQUIPMENT ROOM.



CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	ELEVATION DETAILS:			
INSPECTOR							ELEVATION: 360.18 (NGVD 29) US SURVEY FEET	VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF	DATE	6/25/2026	Antonio Sandoval	OPERATIONS CENTER VACTOR DECANTING STATION		CIP 2023-32	2026-297
DATE COMPLETED							BASIS OF COORDINATES: CA ZONE 6 NAD83		RCE NO.	76579	EXPIRES	12/31/2026				SHEET 8 OF 21



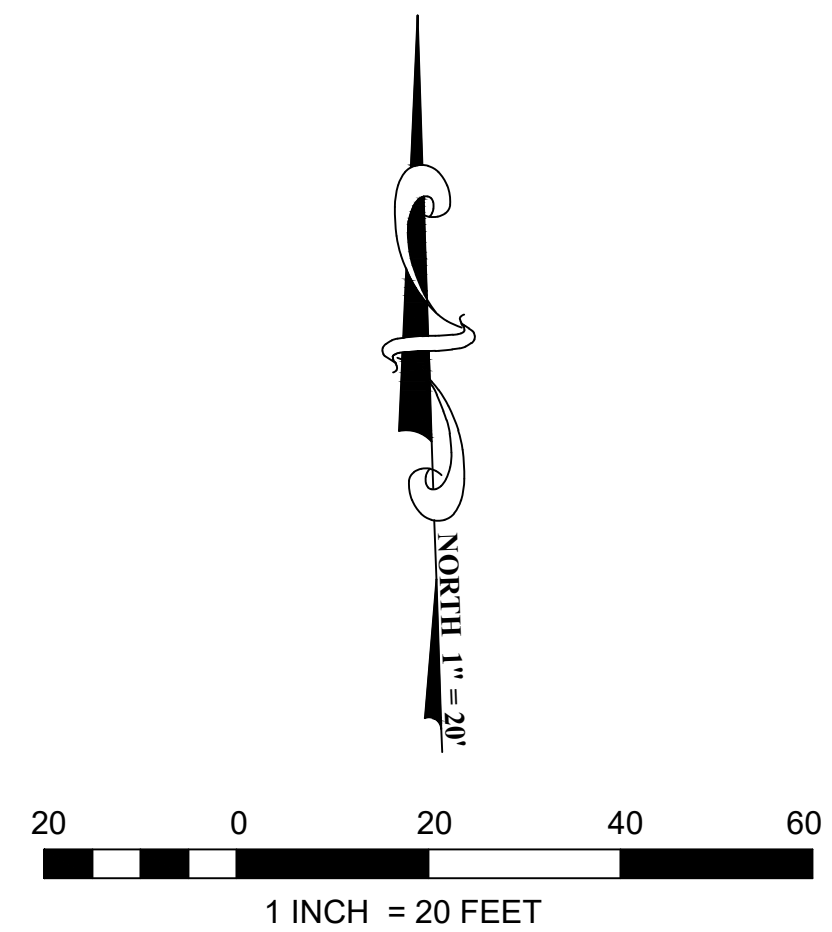
BMP LEGEND:

PDS 659	BROW DITCH	⇒ ⇒	TEMPORARY RUNOFF CONTROL BMPs:	SC-5	FIBER ROLLS	— FR — FR —
PDS 659	BERM	→ B →		SC-6 / SC-8	GRAVEL OR SAND BAGS	○○○○
DIRECTION OF LOT DRAINAGE				SC-7	STREET SWEEPING AND VACUUMING	
WM-1	MATERIAL DELIVERY & STORAGE			SC-10	STORM DRAIN INLET PROTECTION	■
WM-4	SPILL PREVENTION AND CONTROL			TC-1	STABILIZED CONSTRUCTION ENTRANCE	▨
WM-8	CONCRETE WASTE MANAGEMENT					
WM-5	SOLID WASTE MANAGEMENT					
WM-9	SANITARY WASTE MANAGEMENT					
WM-6	HAZARDOUS WASTE MANAGEMENT					

STORM WATER NOTES:

THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE CITY OF SANTEE AND STATE OF CALIFORNIA WATER QUALITY CONTROL BOARD, SAN DIEGO REGION.

1. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) DURING ALL PHASES OF CONSTRUCTION.
2. SUFFICIENT BMP'S MUST BE INSTALLED TO PREVENT SILT, MUD, OR OTHER CONSTRUCTION DEBRIS FROM BEING TRACKED INTO THE ADJACENT STREET(S) OR STORM WATER CONVEYANCE SYSTEMS DUE TO CONSTRUCTION VEHICLES OR ANY OTHER CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY SUCH DEBRIS THAT MAY BE IN THE STREET OR CONVEYANCE SYSTEM AT THE END OF EACH WORK DAY OR AFTER A STORM EVENT THAT CAUSES A BREACH IN THE INSTALLED CONSTRUCTION BMP'S.
3. STORM WATER POLLUTION PREVENTION DEVICES AND OR PRACTICES SHALL BE MODIFIED AS NEEDED AS THE PROJECT PROGRESSES TO ENSURE EFFECTIVENESS. IF AT ANY TIME, BMPs ARE FOUND TO BE INTENTIONALLY DISABLED, RUN-OVER, REMOVED, OR OTHERWISE INEFFECTIVE, THEY SHALL BE MODIFIED AND REPLACE IMMEDIATELY.
4. TRASH AND CONSTRUCTION SOLID WASTES SHALL BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. THE STORAGE OF ALL CONSTRUCTION MATERIALS AND CONSTRUCTION WASTE MUST BE PROTECTED AGAINST THE POTENTIAL RELEASE OF POLLUTANTS INTO THE ENVIRONMENT.
5. A CONCRETE WASHOUT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE IMPROVEMENTS THAT ARE TO BE POURED IN PLACE ON THE SITE.
6. ALL BMPs SHALL BE MAINTAINED IN WORKING ORDER AT ALL TIMES. ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.
7. IF TRENCHING/DIGGING ACTIVITIES ARE NOT COMPLETED WITHIN ONE DAY, PROPER BMPs WILL BE IMPLEMENTED.
8. IF DEBRIS OR MATERIALS WILL BE STORED FOR LONGER THAN ONE DAY, PROPER BMPs WILL BE IMPLEMENTED.



CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2026-298 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	CITY OF SANTEE			
INSPECTOR								VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF			BY: Antonio Sandoval	BMP PLAN:			
DATE COMPLETED									STEVEN J. MILLER			PROJECT ENGINEER	OPERATIONS CENTER VACTOR DECANTING STATION			
									RCE NO. 76579	DATE 6/25/2026	EXPIRES 12/31/2026			CIP 2023-32	2026-298	
																SHEET 9 OF 21

C-8

STATEMENT OF SPECIAL INSPECTIONS:

(APPLIES TO ALL TABLES):

1. THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED IN FULFILLMENT OF THE REQUIREMENTS OF CBC SECTION 1704 AND 1705.
2. NOTICE TO THE APPLICANT/OWNER/OWNER'S AGENT/ARCHITECT OR ENGINEER OF RECORD: BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIALS TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.
3. NOTICE TO THE CONTRACTOR / BUILDER / INSTALLER / SUB-CONTRACTOR / OWNER-BUILDER: BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION/INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIALS TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND, AS REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.
4. THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE, IN ADDITION TO, AND NOT SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY A DISTRICT BUILDING INSPECTOR.
5. THE SPECIAL INSPECTOR MUST BE CERTIFIED IN THE CATEGORY OF WORK TO HAVE SPECIAL INSPECTION.
6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
7. SPECIALLY INSPECTED WORK THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE DISTRICT INSPECTOR IS SUBJECT TO REMOVAL OR EXPOSURE.
8. SITE VISITS BY THE ENGINEER OF RECORD DO NOT CONSTITUTE SPECIAL INSPECTIONS.

TABLE 1705.3 (CBC 2025) REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION		
VERTIFICATION AND INSPECTION	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. REINFORCEMENT STEEL AND PLACEMENT	--	X
2. REINFORCING BAR WELDING:		
VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	--	X
WELDING OF REINFORCEMENT FOR SPECIAL MOMENT FRAMES, BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS, AND COUPLING BEAMS.	X	--
WELDED REINFORCEMENT SPLICES.	X	--
WELDING OF PRIMARY TENSION REINFORCEMENT IN CORBELS.	X	--
SINGLE PASS FILLET WELDS, MAXIMUM 5/16".	--	X
ALL OTHER WELDS.	X	--
3. ANCHORS CAST IN CONCRETE.	--	X
4. ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:		
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	--
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	--	X
5. USE OF REQUIRED DESIGN MIX.	--	X
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	--
7. CONCRETE PLACEMENT FOR PROPER APPLICATION AND TECHNIQUES.	X	--
8. MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	--	X
9. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	--	X
10. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSION OF THE CONCRETE MEMBER BEING FORMED.	--	X

CONTINUOUS AND PERIODIC INSPECTIONS:

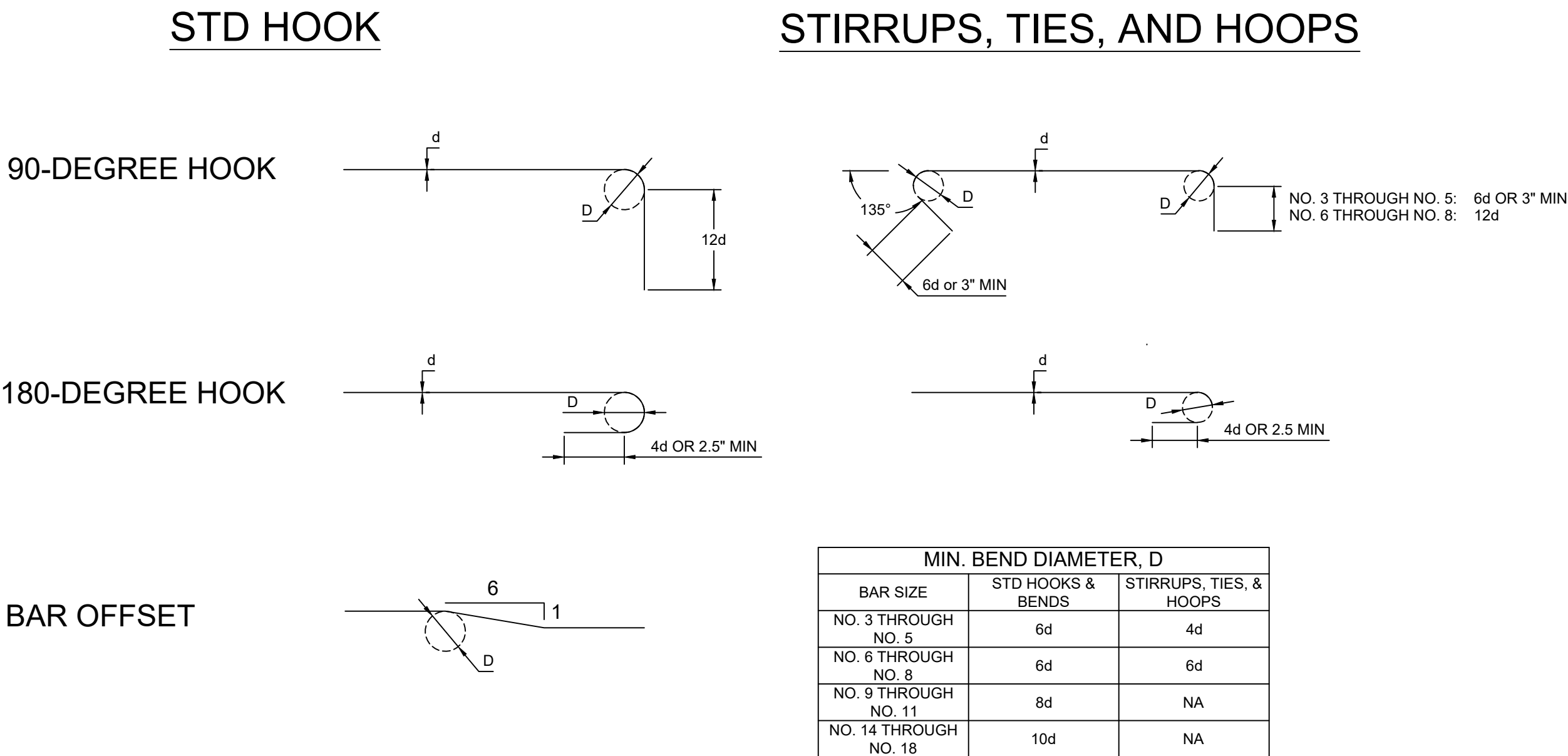
1. WHERE CONTINUOUS SPECIAL INSPECTIONS IS REQUIRED, THE SPECIAL INSPECTOR SHALL CONTINUOUSLY PROVIDE FULL-TIME VERIFICATION OF THE WORK.
2. WHERE PERIODIC SPECIAL INSPECTION IS REQUIRED, THE SPECIAL INSPECTOR SHALL PROVIDE VERIFICATION THAT THE PERIODIC INSPECTION WAS PERFORMED.

TABLE 1705.6 (CBC 2025) REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS		
VERTIFICATION AND INSPECTION	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	--	X
2. VERIFY EXCAVATION ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	--	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	--	X
4. DURING FILL PLACEMENT, VERIFY USE OF PROPER MATERIALS AND PROCEDURES IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. VERIFY DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	--
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	--	X

CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	STRUCTURAL NOTES 2:			
INSPECTOR								VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF STEVEN J. MILLER	DATE 6/25/2026		BY Antonio Sandoval	OPERATIONS CENTER VACTOR DECANTING STATION		CIP 2023-32	2026-299A
DATE COMPLETED									RCE NO. 76579	EXPIRES 12/31/2026		PROJECT ENGINEER				SHEET 11 OF 21

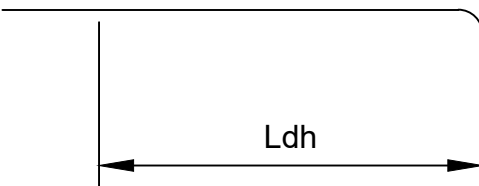


S-1A



REBAR SPLICE AND DEVELOPMENT SCHEDULE (APPLICABLE FOR GRADE 60 REBAR ONLY)										
NORMAL WEIGHT CONCRETE	F' _c =3,000 PSI					F' _c =4,000 PSI				
	SPLICE		DEVELOPMENT		L _{DH}	SPLICE		DEVELOPMENT		L _{DH}
BAR SIZE (d _b)	TOP	OTHER	TOP	OTHER		TOP	OTHER	TOP	OTHER	
#3	29	22	22	17	8	26	20	20	15	7
#4	38	29	29	22	11	33	25	25	19	10
#5	47	36	36	28	14	40	31	31	24	12
#6	56	43	43	33	17	49	38	38	29	15
#7	82	62	63	48	19	72	55	55	42	17
#8	94	72	72	55	22	81	62	62	48	19

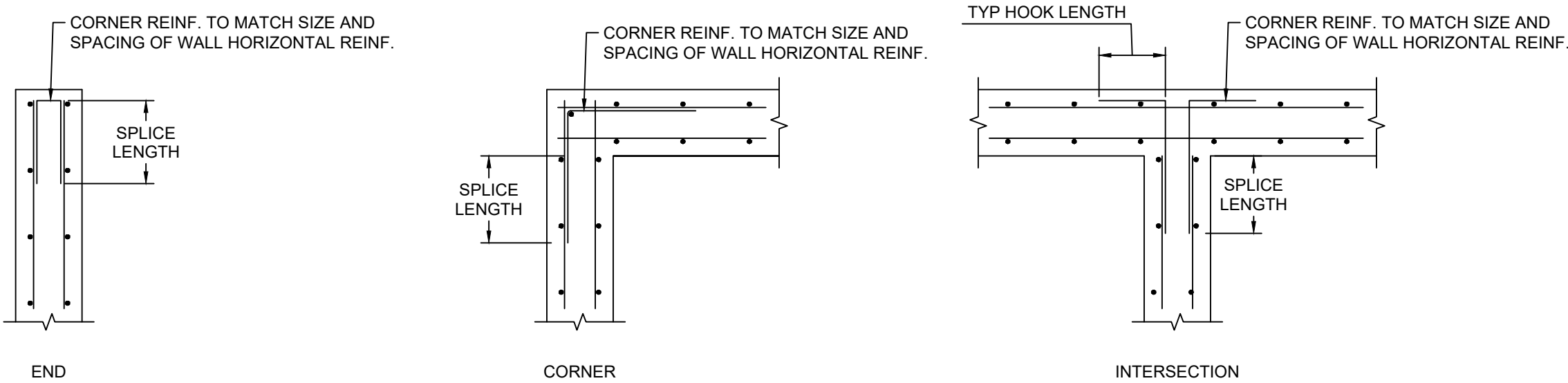
NOTES:
1. L_{DH} = HOOK DEVELOPMENT LENGTH
2. SPLICE AND DEVELOPMENT LENGTHS IN THE SCHEDULE ARE IN INCHES. ALL SPLICES SHALL BE SPLICE CLASS "B", 1.3*ld



STD HOOKS & BENDS

NOT TO SCALE

1
S-2

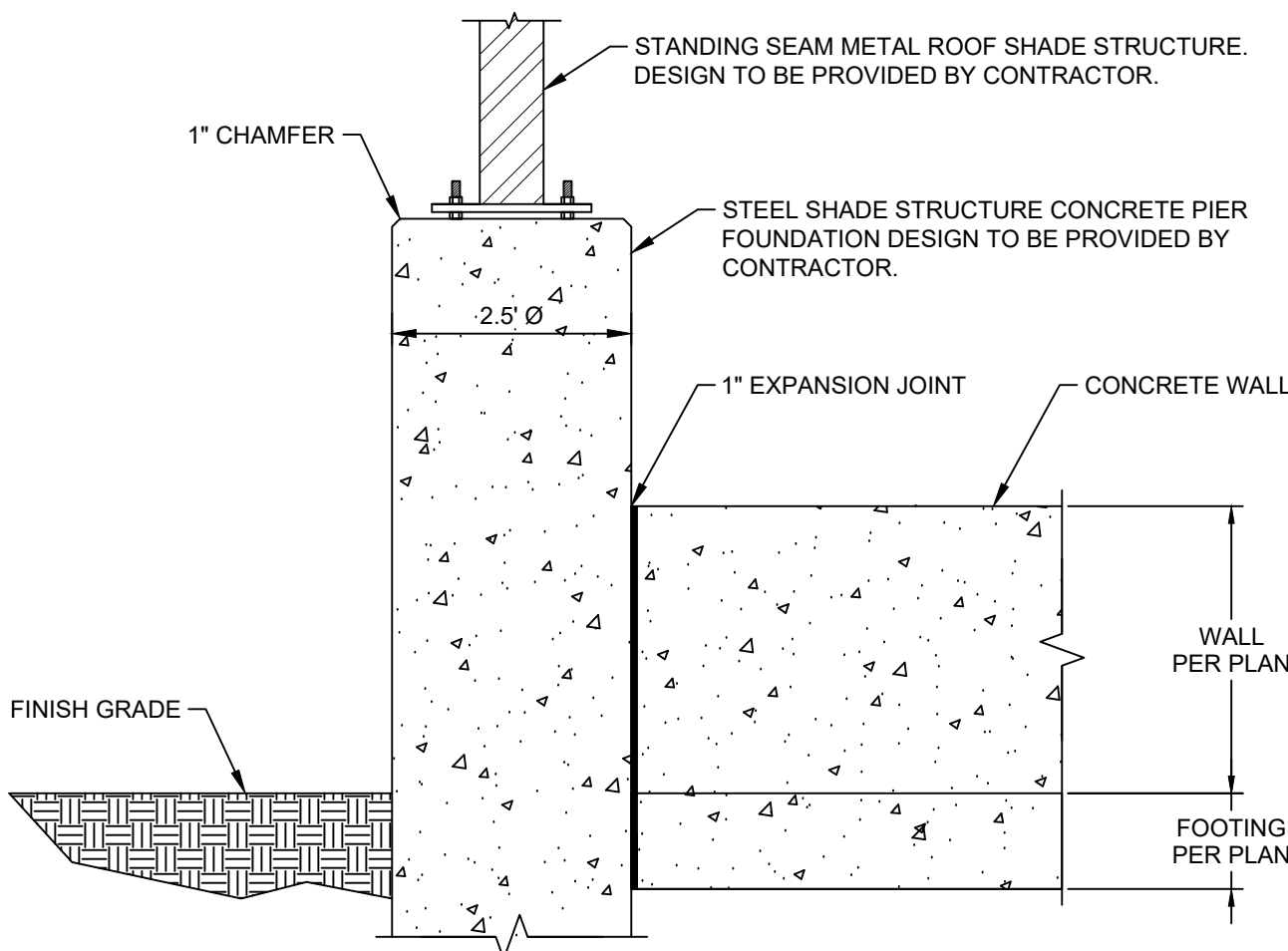


NOTES:
1. SPLICE LENGTHS FOR REINFORCING BARS SHALL BE PER THE SPLICE LENGTH SCHEDULE
2. REFER TO STRUCTURAL DRAWINGS FOR SIZE, SPACING, AND CLEAR COVER OF REINFORCING BARS
3. CORNER REINFORCING BARS SHALL BE SAME AS WALL HORIZONTAL REINFORCING

TYP. REINFORCING AT WALL INTERSECTIONS

SCALE: NTS

3
S-2



TYP. CONCRETE COLUMN CONNECTION DETAIL TO CONCRETE WALL

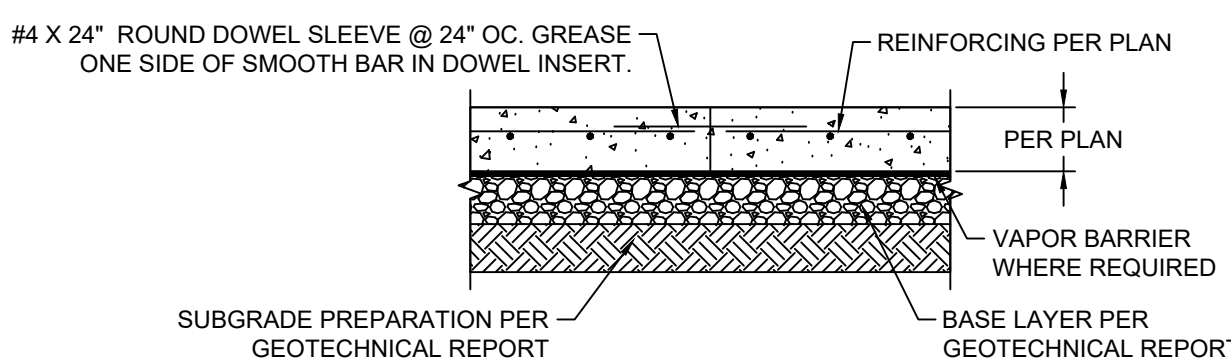
NOT TO SCALE

5
S-2

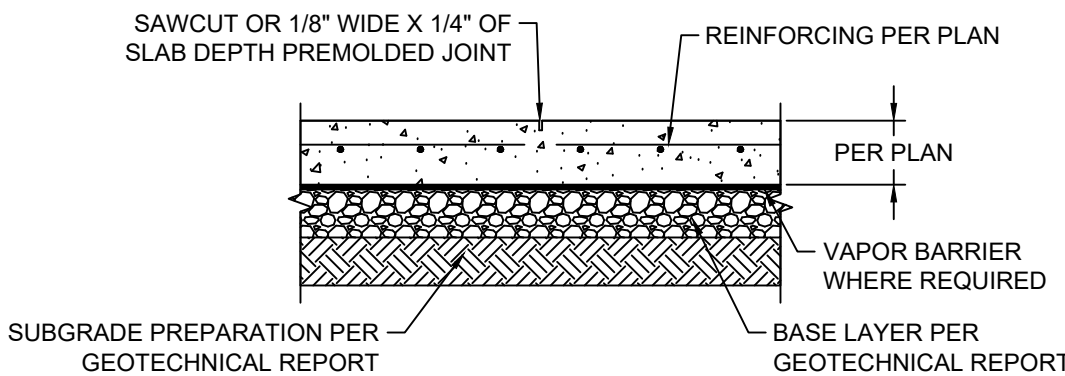
TYPICAL REINFORCEMENT BAR SPLICE AND DEVELOPMENT LENGTH SCHEDULE

NOT TO SCALE

2
S-2



CONSTRUCTION JOINT



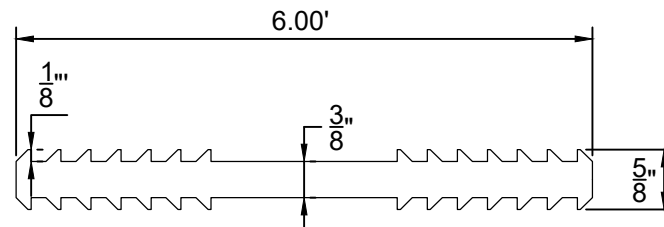
CONTROL JOINT

NOTES:
1. FOR CONSTRUCTION AND CONTROL JOINT LOCATIONS, REFERENCE THE FOUNDATION/SLAB PLAN.
2. SLAB AREA BETWEEN CONSTRUCTION AND CONTROL JOINTS SHALL NOT EXCEED 225 SF.

TYP. SLAB JOINT WITH REINFORCEMENT DETAIL

NOT TO SCALE

4
S-2



NOTES:
1. WATERSTOP SHALL BE PVC AND FLAT RIBBED.

WATERSTOP DETAIL

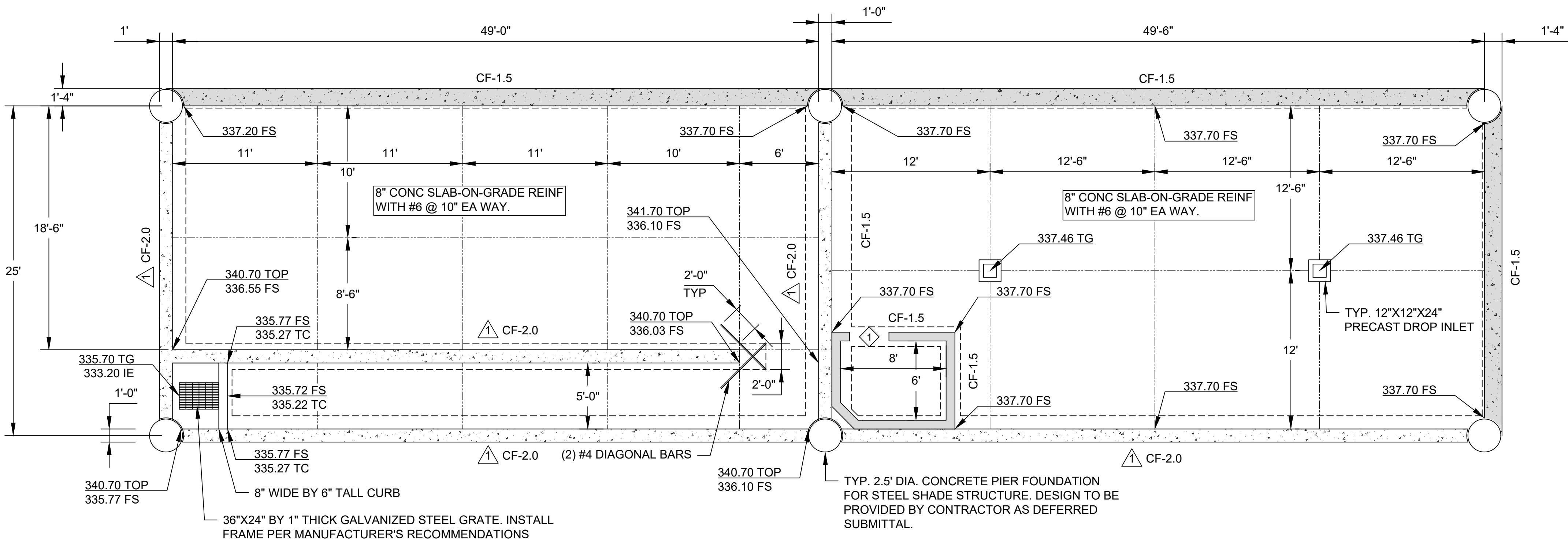
NOT TO SCALE

6
S-2



CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR _____		DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	TYPICAL STRUCTURAL DETAILS:		CIP 2023-32	2026-300
INSPECTOR _____								VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF STEVEN J. MILLER			Antonio Sandoval	OPERATIONS CENTER VACTOR DECANTING STATION			
DATE COMPLETED _____									RCE NO. 76579		DATE 6/25/2026	PROJECT ENGINEER				SHEET 12 OF 21
									EXPIRES 12/31/2026							

S-2



FOUNDATION PLAN

SCALE: 3/16" = 1'

GENERAL NOTES:

1. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE CIVIL DRAWINGS.
2. FOR STRUCTURAL GENERAL NOTES, AND DESIGN CRITERIA, REFERENCE SHEET S-1. FOR TYPICAL STRUCTURAL DETAILS, REFERENCE SHEET S-2. FOR CONCRETE STRUCTURAL DETAILS, REFERENCE SHEET S-4

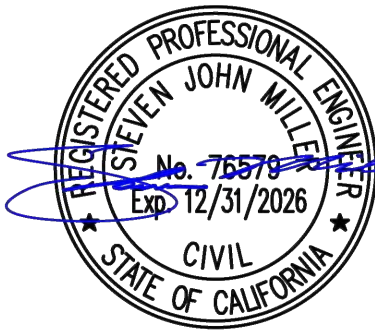
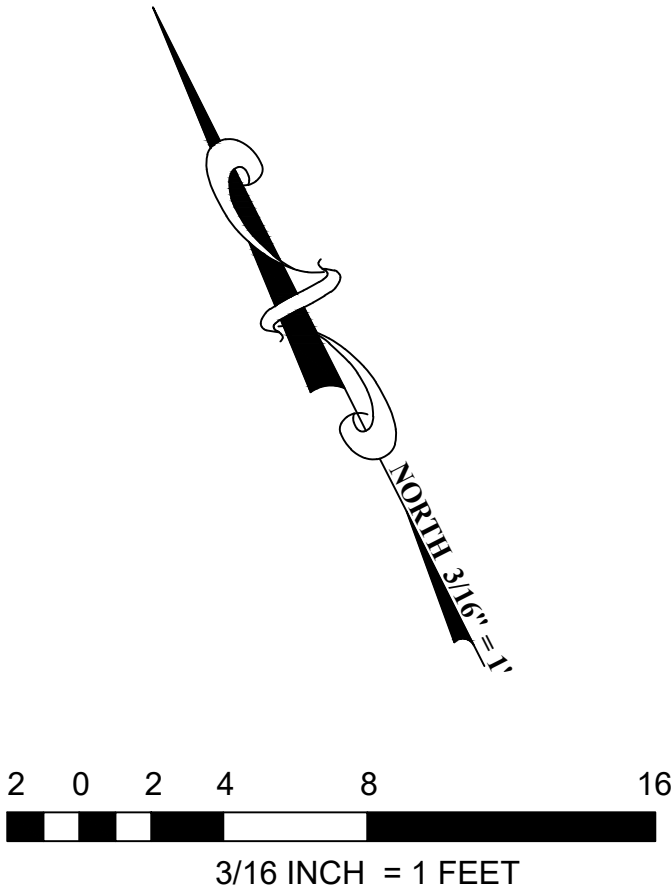
FOUNDATION LEGEND:

	CONCRETE WALL
	CONCRETE DIKE
	CMU WALL (#4 VERT @ 24" O.C.) (#4 HORZ @ 24" O.C.)
	CONTINUOUS FOOTING
	CONTROL JOINT
	CONSTRUCTION JOINT

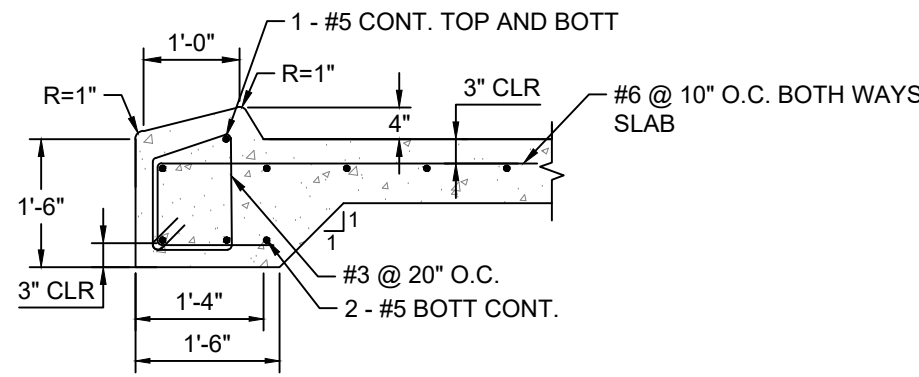
CONTINUOUS FOOTING SCHEDULE			
MARK	WIDTH	DEPTH	REINFORCING
CF-1.5	1'-6"	1'-4" MIN	2-#5 BOTT
CF-2.0	2'-0"	1'-4" MIN	2-#5 BOTT

CONCRETE WALL SCHEDULE			
MARK	WALL THICKNESS	VERTICAL BARS	HORIZONTAL BARS
1	1'-0"	#4 @ 10 O.C.	#5 @ 12 O.C.

LINTEL SCHEDULE				
MARK	HEIGHT	LENGTH	END BEARING	REINF BARS
1	0'-8"	48.5"	4" EA SIDE	(1) #4 @ BOT WITH 2" COVER



CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR _____		DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	FOUNDATION PLAN: OPERATIONS CENTER VACTOR DECANTING STATION		CIP 2023-32	2026-301
INSPECTOR _____								VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF STEVEN J. MILLER	DATE 6/25/2026	EXPIRES 12/31/2026	Antonio Sandoval PROJECT ENGINEER				SHEET 13 OF 21
DATE COMPLETED _____									RCE NO. 76579							

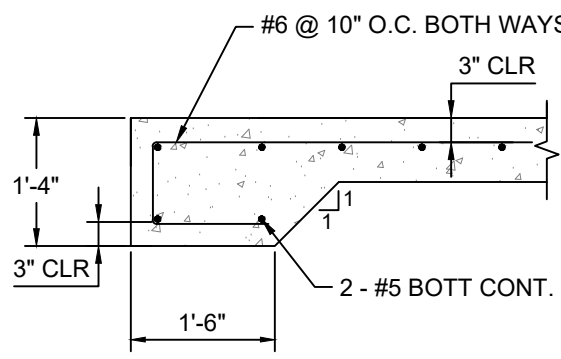


DIKE

SCALE: 1" = 2'

1

S-4

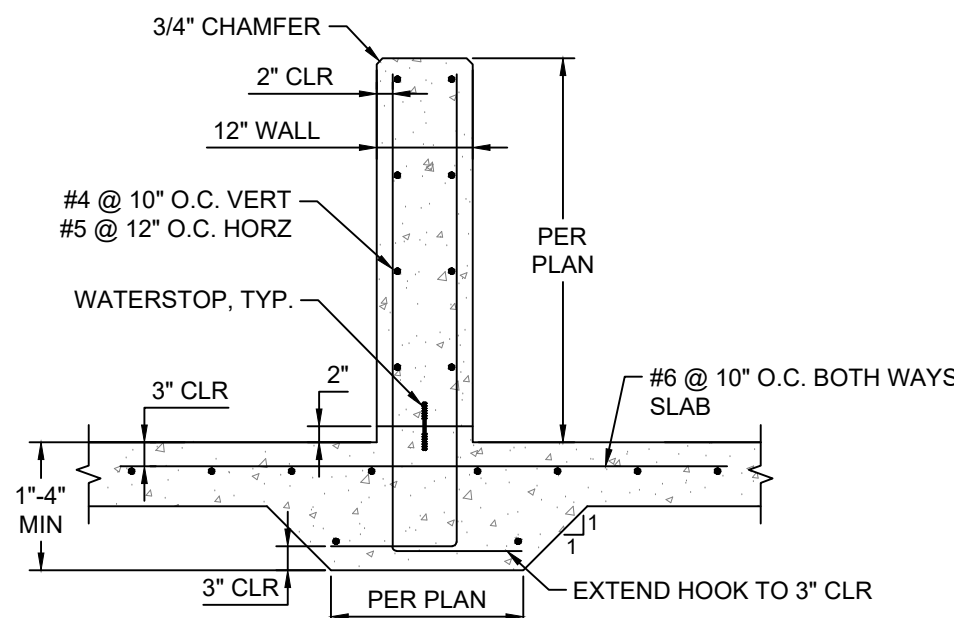


THICKEN EDGE

SCALE: 1" = 2'

2

S-4

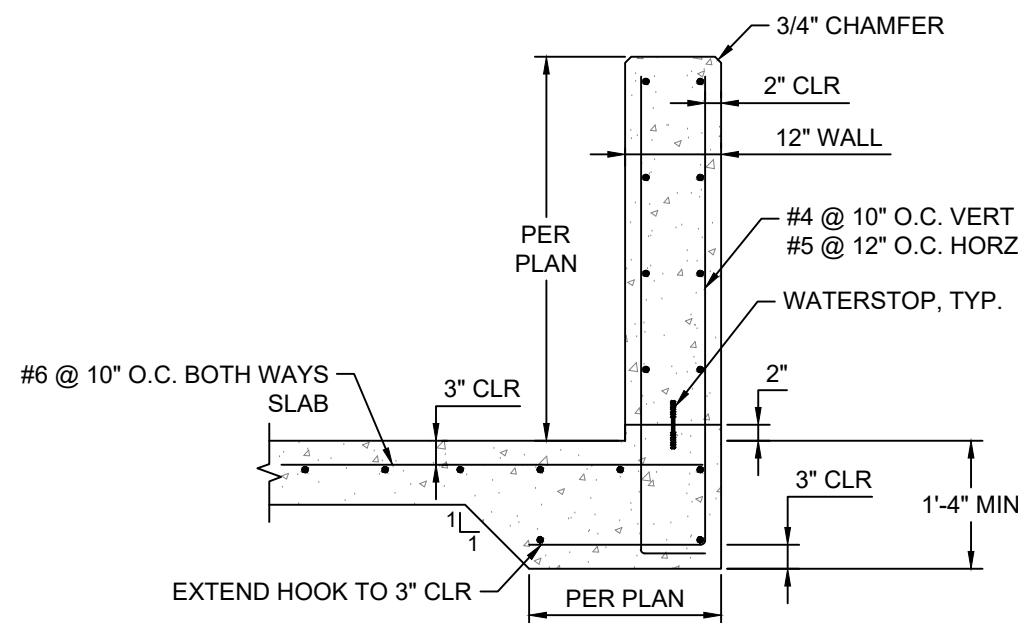


WALL FOOTING

SCALE: 1" = 2'

3

S-4

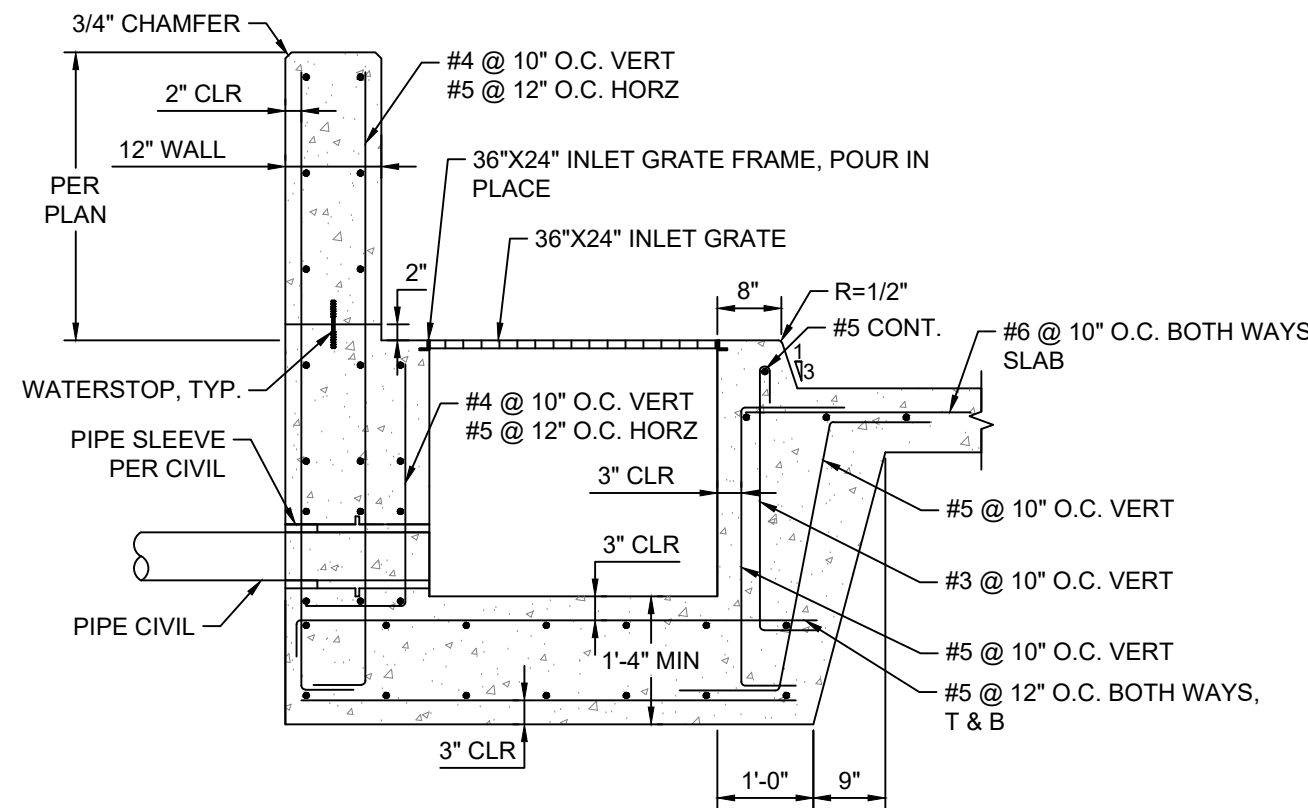


EDGE WALL FOOTING

SCALE: 1" = 2'

4

S-4

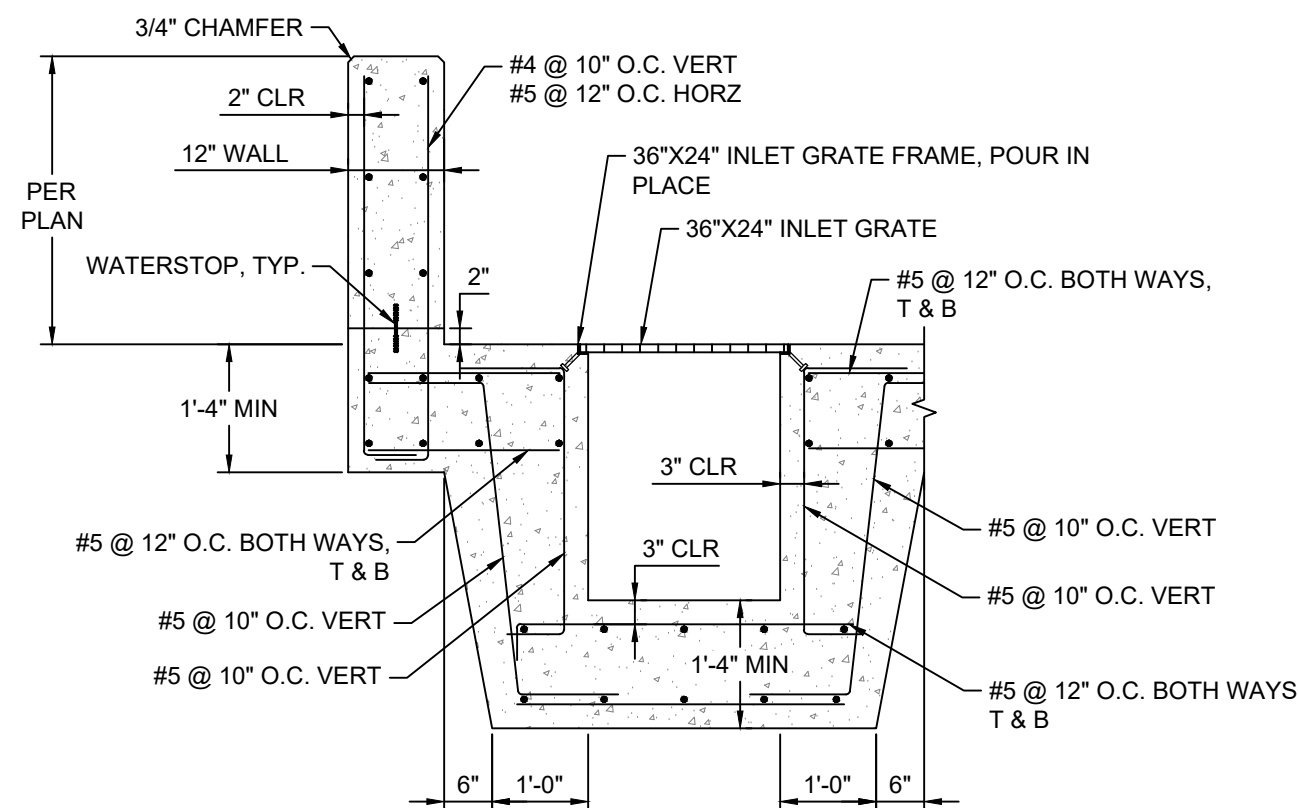


3X2 INLET

SCALE: 1" = 2'

5

S-4

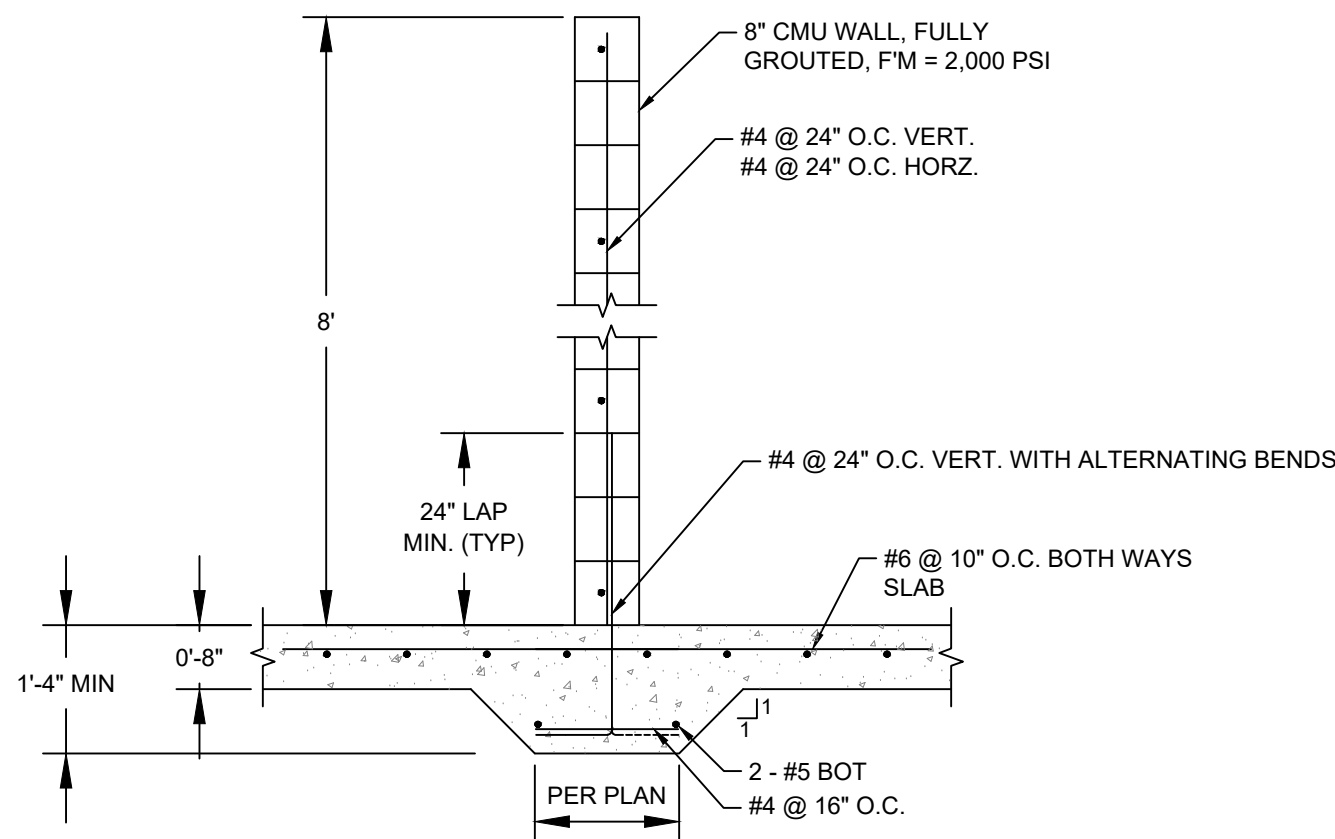


3X2 INLET

SCALE: 1" = 2'

6

S-4



CMU WALL @ EQUIPMENT ROOM

SCALE: 1" = 2'

7

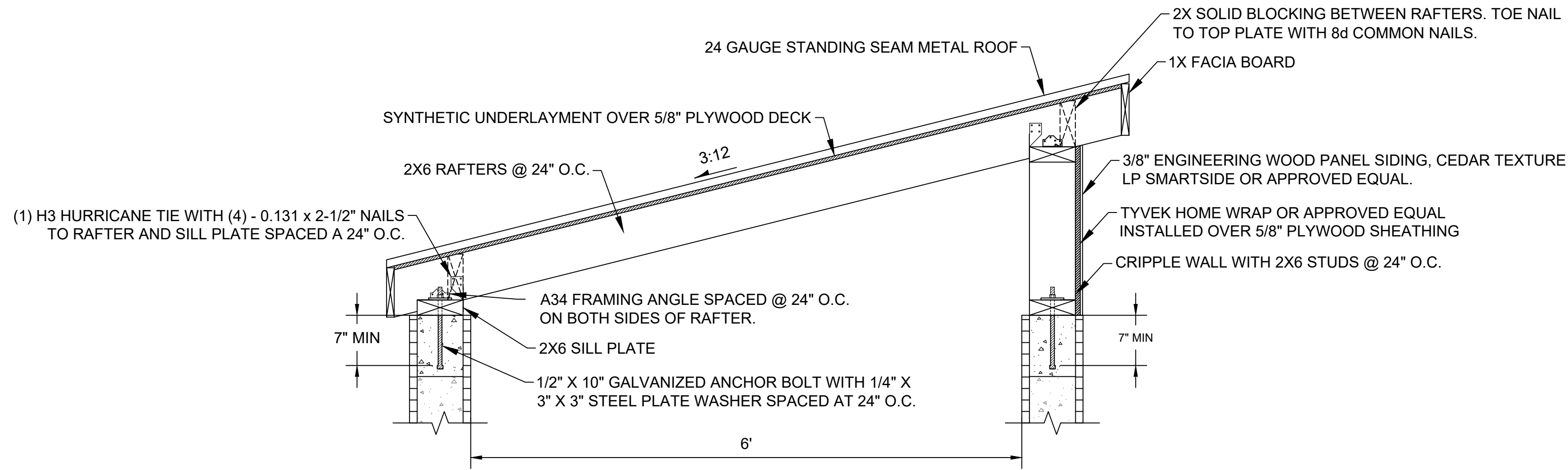
S-1



CONSTRUCTION RECORD	REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR _____	DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	STRUCTURAL DETAILS:			
INSPECTOR _____							VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF STEVEN J. MILLER	DATE 6/25/2026	DATE 12/31/2026	BY Antonio Sandoval	OPERATIONS CENTER VACTOR DECANTING STATION		CIP 2023-32	2026-302
DATE COMPLETED _____								RCE NO. 76579			PROJECT ENGINEER				SHEET 14 OF 21

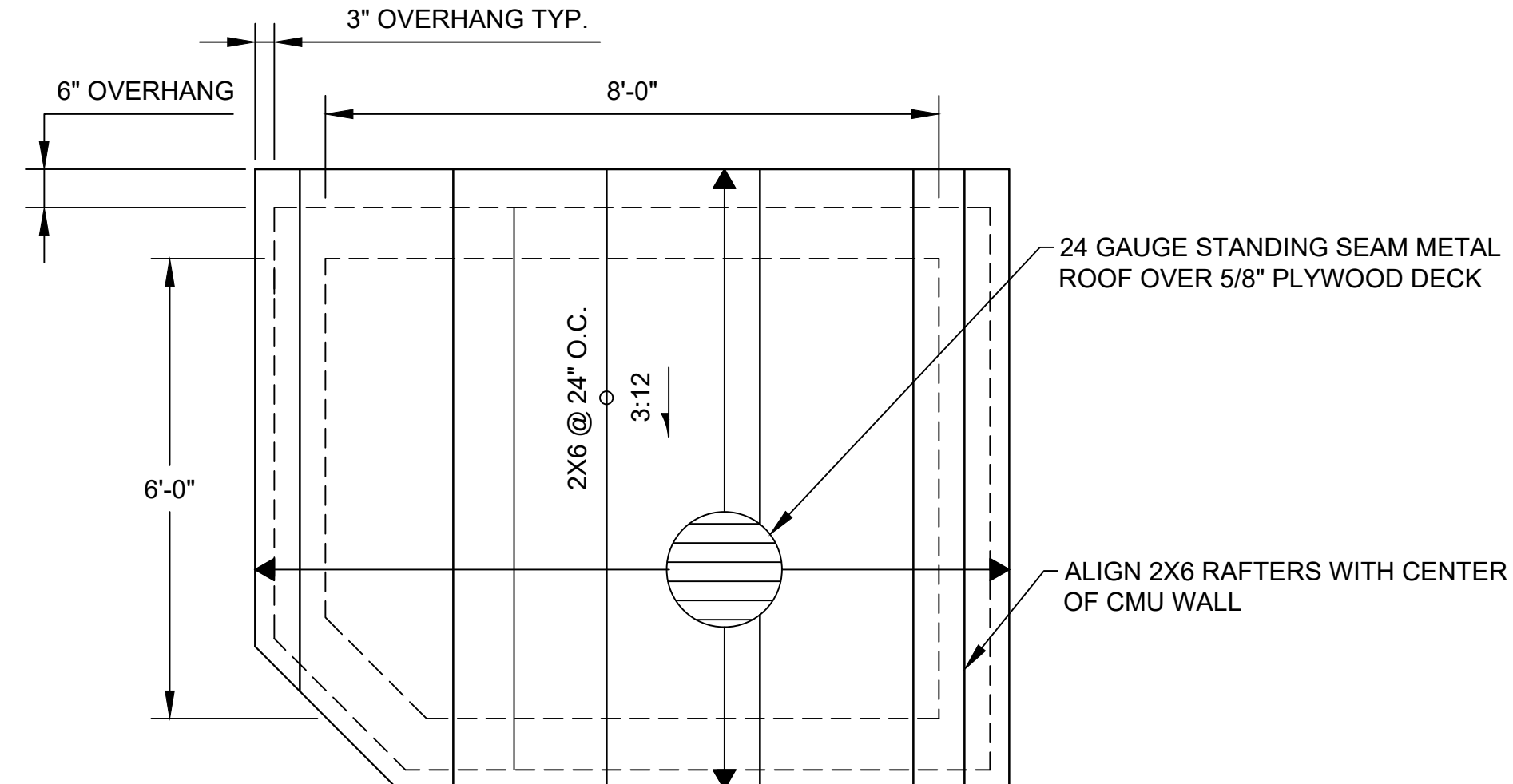
S-4

IMPROVEMENT PLANS - OPERATIONS CENTER VACTOR DECANTING STATION, CIP 2023-32



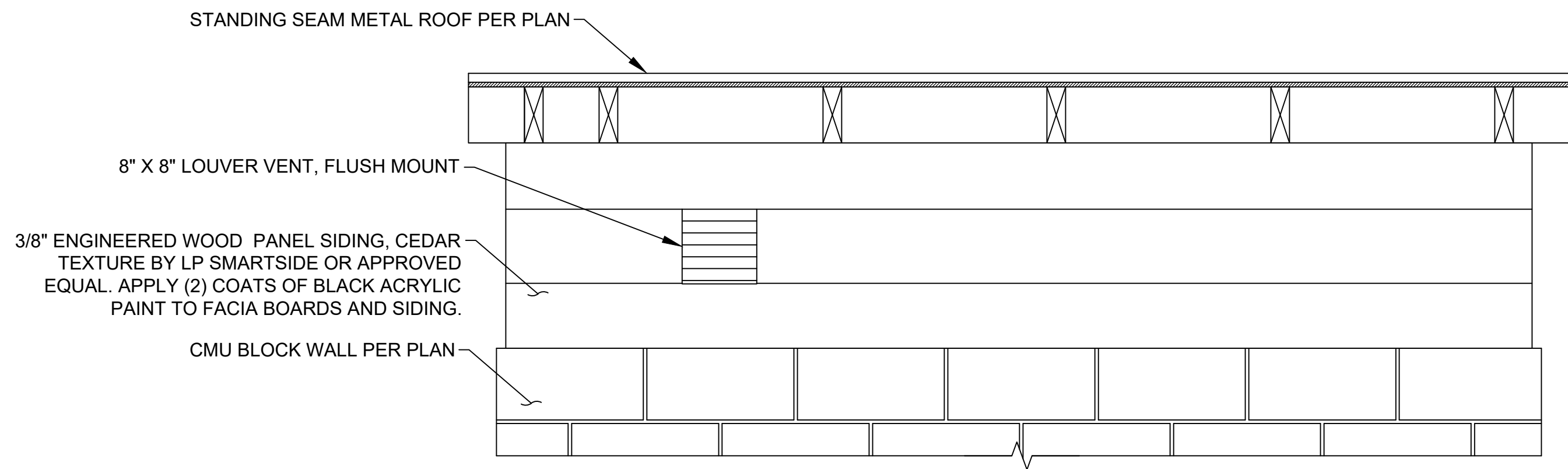
CEILING JOIST/ RAFTER TO CMU WALL CONNECTION
SCALE: 1" = 1'

8
S-5



EQUIPMENT ROOM ROOF PLAN
SCALE: 1" = 2'

10
S-5



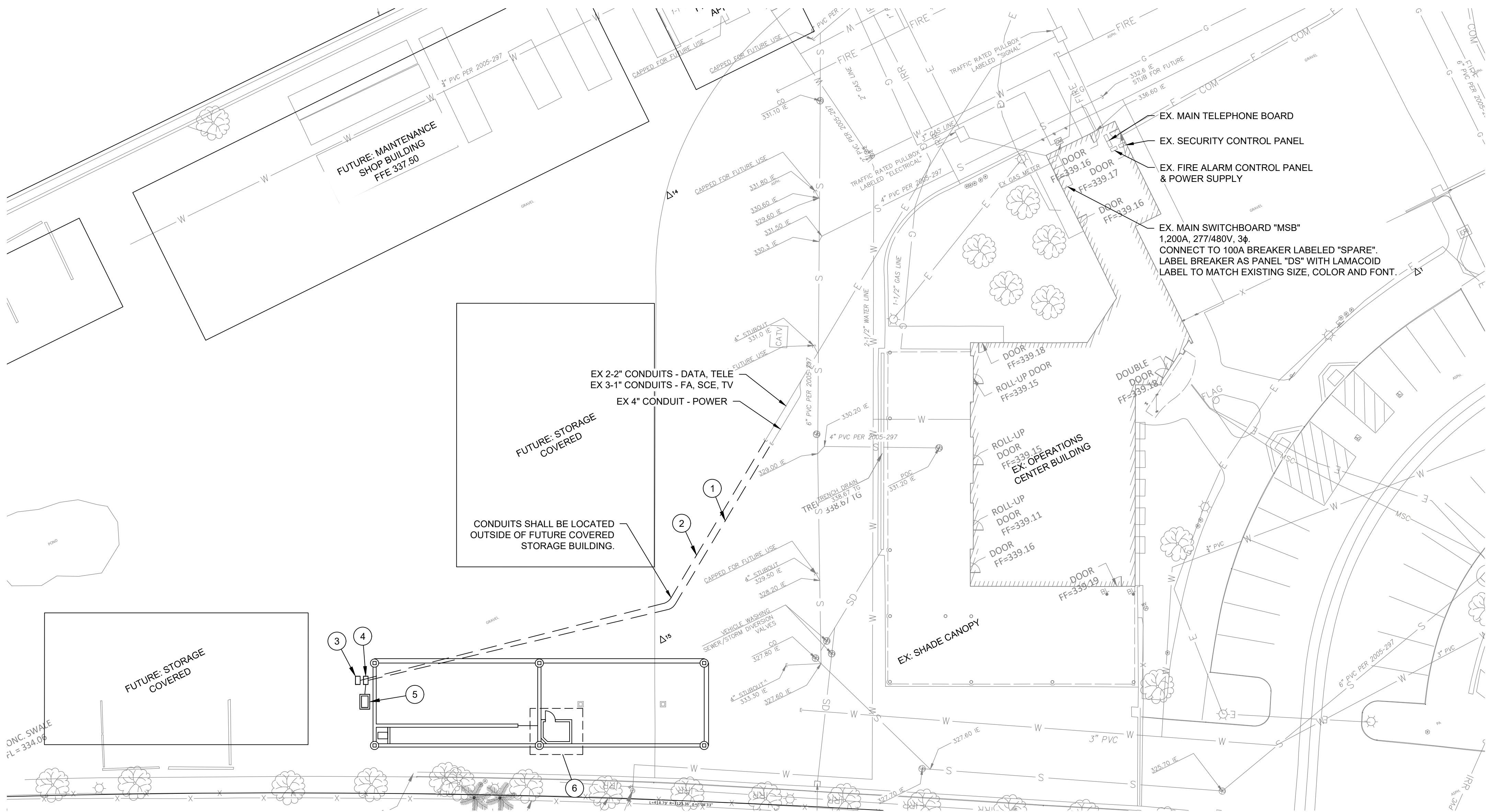
EQUIPMENT ROOM ROOF VENTING
SCALE: 1" = 1'

9
S-5



CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY					STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	EQUIPMENT ROOM ROOF FRAMING DETAILS: OPERATIONS CENTER VACTOR DECANTING STATION		CIP 2023-32	2026-303
INSPECTOR								VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF STEVEN J. MILLER	DATE 6/25/2026	BY Antonio Sandoval	PROJECT ENGINEER				SHEET 15 OF 21
DATE COMPLETED									RCE NO. 76579	EXPIRES 12/31/2026						

S-5



ELECTRICAL SITE PLAN
SCALE: 1" = 20' HORIZ

APPLICABLE CODES:

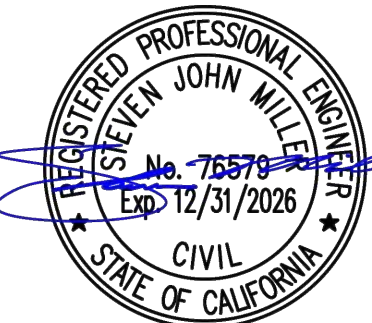
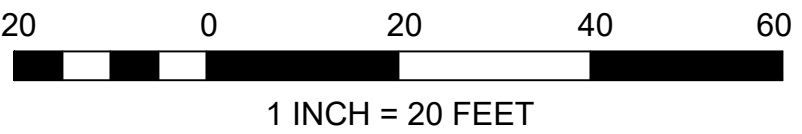
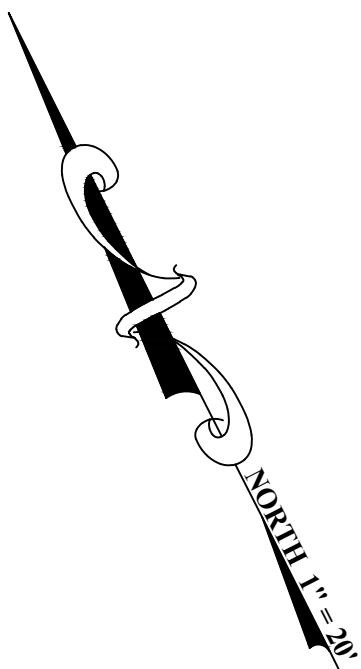
- 2025 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- 2023 NATIONAL ELECTRICAL CODE (NEC) NFPA 70

CONSTRUCTION NOTES:

- INSTALL (1) 4" SCH 40 PVC CONDUIT FROM EX. POINT OF CONNECTION FOR POWER TO NO. 6 PULL BOX.
- INSTALL (2) 2" AND (3) 1" SCH 40 PVC CONDUIT FROM EX. POINT OF CONNECTION FOR COMMUNICATIONS TO NO. 6 PULL BOX. CAP CONDUITS AT PULL BOX FOR FUTURE USE.
- INSTALL NO. 6 TRAFFIC RATED PULL BOX WITH METAL LID LABELED "COMMUNICATIONS".
- INSTALL NO. 6 TRAFFIC RATED PULL BOX WITH METAL LID LABELED "ELECTRICAL".
- INSTALL (1) 2" SCH 80 PVC CONDUIT FROM "ELECTRICAL" PULL BOX AND STUB UP AT PROPOSED NEMA 3R CABINET LOCATION CONTAINING SAFETY DISCONNECT SWITCH, STEP-DOWN TRANSFORMER AND ELECTRICAL PANEL BOARD.
- EQUIPMENT ROOM PER POWER PLAN, E-2.

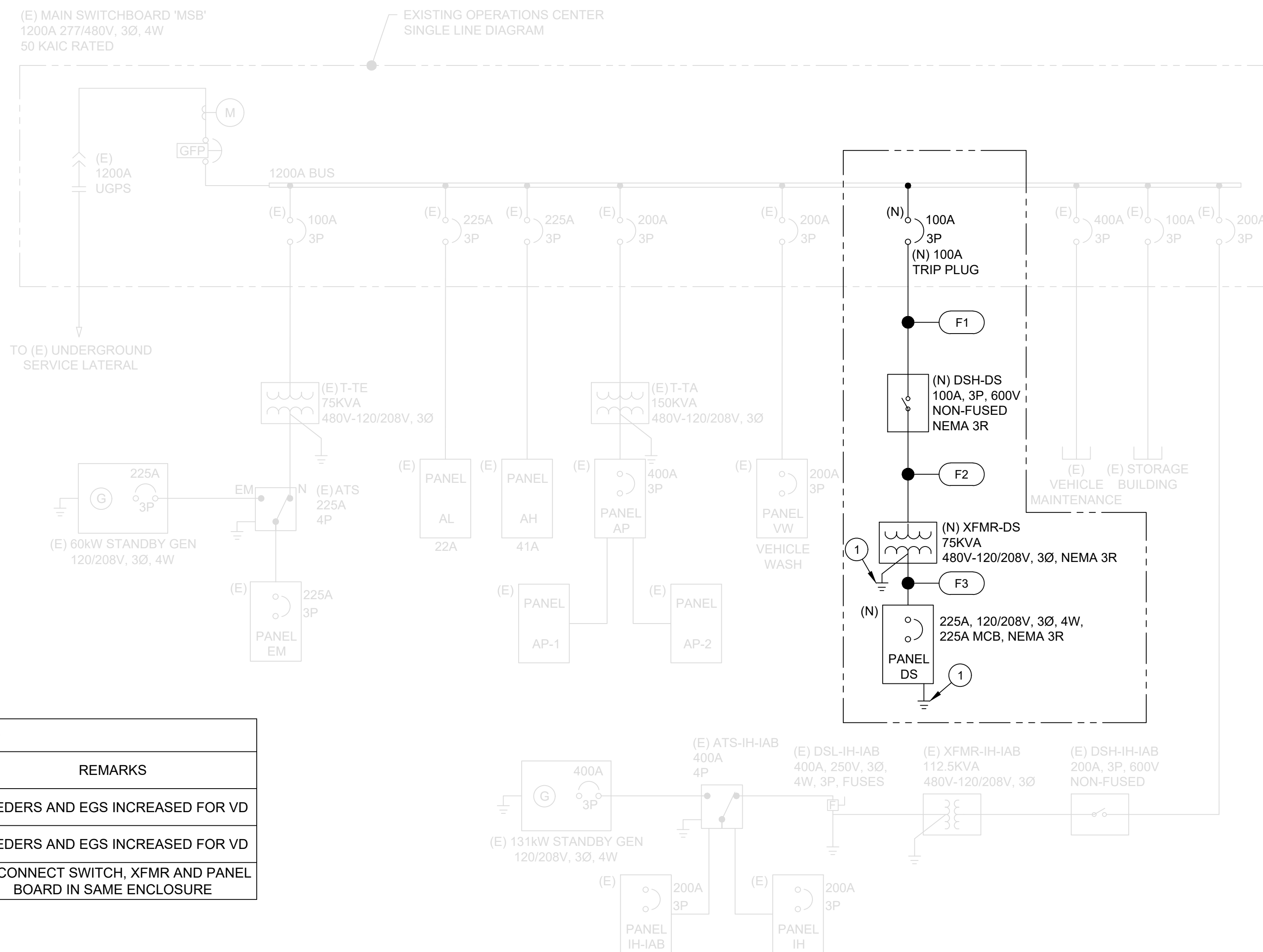
GENERAL NOTES:

- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO THE START OF WORK.
- ALL ELECTRICAL WORK LAYOUT PROPOSED ON THIS SHEET SHALL BE REVIEWED AND VERIFIED BY A LICENSED C-10 "ELECTRICAL" CONTRACTOR TO WORK WITH THE PROPOSED ELECTRICAL DESIGN. COORDINATE WITH CIVIL PRIOR TO ROUGH IN.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE CORRECT SIZE, AND NUMBER OF CONDUCTORS AND GROUNDING TO FEED EACH ELECTRICAL EQUIPMENT.
- ALL ABOVE GROUND CONDUIT SHALL BE GALVANIZED EMT WITH RAINTIGHT CONNECTORS. PVC CONDUIT SHALL TRANSITION TO EMT 3-INCHES ABOVE FINISH GRADE

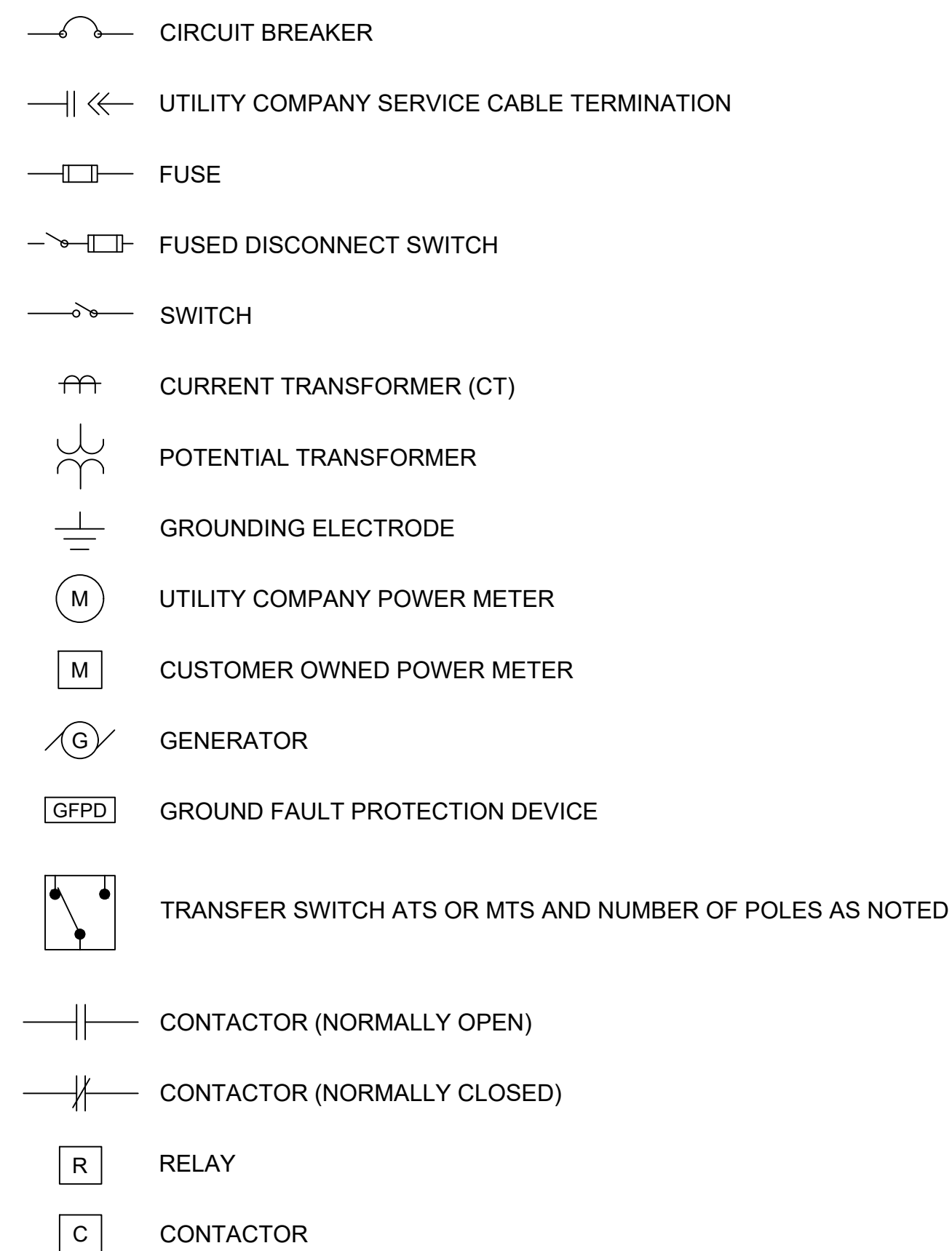


CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2005-235 TO 312 CITY MAINTENANCE FACILITY	9/3/26	AS	BUILDING DEPARTMENT RESUBMITTAL 1		STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	ELECTRICAL SITE PLAN:			
INSPECTOR								VERT: AS SHOWN	STEVEN J. MILLER	DATE 6/25/2026	DATE 12/31/2026	By Antonio Sandoval PROJECT ENGINEER	OPERATIONS CENTER VACTOR DECANTING STATION		CIP 2023-32	2026-304
DATE COMPLETED									RCE NO. 76579							SHEET 16 OF 21

E-1



SINGLE LINE DIAGRAM LEGEND:



SINGLE LINE DIAGRAM GENERAL NOTES:

1. ALL TERMINATIONS AND ENCLOSURES SHALL BE RATED FOR USE WITH 75 DEGREES CELSIUS CONDUCTORS.
2. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ELECTRICAL EQUIPMENT AND ACCESSORIES IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ONLY PRODUCTS LISTED AS "EQUAL" WITHIN THE CONTRACT DOCUMENTS, SUBSTITUTIONS APPROVED AND ISSUED AS AN ADDENDUM PRIOR TO BID WILL BE REVIEWED. OTHER PRODUCTS NOT CONFORMING TO THE ABOVE WILL NOT BE REVIEWED, AND WILL BE REJECTED.
3. THE ELECTRICAL CONTRACTOR SHALL REVIEW AND VERIFY ALL CONDUCTORS, GROUNDING, EQUIPMENT, TRANSFORMERS AND LOAD CALCULATIONS ON PANEL BOARD ARE ACCURATE PRIOR TO PROCEEDING WITH INSTALLATION. ANY CORRECTIONS PROPOSED BY THE CONTRACTOR TO ENSURE ELECTRICAL DESIGN IS IN CONFORMANCE WITH THE CEC 2025 REQUIREMENTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL FOR REVIEW AND APPROVAL.

SINGLE LINE DIAGRAM SPECIFIC NOTES:

- ① BOND TO BUILDING GROUNDING ELECTRODE SYSTEM.

FEEDER SCHEDULE (CU, THWN-2 TYP U.O.N.)					
FEEDER	AMPS	CONDUIT	CONDUCTOR	GROUND	REMARKS
F1	100 A	1- 4" C.	3- #1 CU, THWN	1- #6 CU, THWN-2	FEEDERS AND EGS INCREASED FOR VD
F2	100 A	1- 2" C.	3- #1 CU, THWN	1- #6 CU, THWN-2	FEEDERS AND EGS INCREASED FOR VD
F3	225 A	--	3- 4/0 CU, THWN	1- #4 CU, THWN-2	DISCONNECT SWITCH, XFMR AND PANEL BOARD IN SAME ENCLOSURE

Branch Panel: DS

Location: See Electrical Power Plan

Supply From: MSB

Mounting: Floor

Enclosure: Type 3R

Volts: 208Y/120V 3P 4W

Phases: 3

Wires: 4

Lug Type: Standard

200% Neutral: No

A.I.C. Rating: 10,000

Main Type: MCB

Bus Rating: 225

MCB Rating: 225

Notes:

Panel surge protection required.

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT	
1	ELECTRIC WATER HEATER	70	2	14.00 kVA	0.02 kVA						1	15	EQUIPMENT ROOM LIGHTING	2
3	---	---	---			14.00 kVA	0.09 kVA				1	15	WALL PACK LIGHTING	4
5	RECEPTACLE, PRESSURE WASHER #1	20	1					2.28 kVA	2.28 kVA		1	20	RECEPTACLE, PRESSURE WASHER #2	6
7	HIGH BAY LIGHTING, VACTOR SIDE	15	1	0.06 kVA	0.06 kVA						1	15	HIGH BAY LIGHTING, VEH. WASH SIDE	8
9	SPARE	20	1			---	---				1	20	SPARE	10
11	RECEPTACLES, VACTOR SIDE	20	1					1.92 kVA	1.92 kVA		1	20	RECEPTACLES, VEHICLE WASH SIDE	12
13	SPARE	20	1	---	---						1	20	SPARE	14
15	SPARE	20	1			---	---				1	20	SPARE	16
17	BUSSED SPACED	---	---					---	---	---	---		BUSSED SPACED	18
19	BUSSED SPACED	---	---							---	---		BUSSED SPACED	20
21	BUSSED SPACED	---	---							---	---		BUSSED SPACED	22
23	BUSSED SPACED	---	---							---	---		BUSSED SPACED	24
25	BUSSED SPACED	---	---							---	---		BUSSED SPACED	26
27	BUSSED SPACED	---	---							---	---		BUSSED SPACED	28
29	BUSSED SPACED	---	---							---	---		BUSSED SPACED	30
31	BUSSED SPACED	---	---							---	---		BUSSED SPACED	32
33	BUSSED SPACED	---	---							---	---		BUSSED SPACED	34
35	BUSSED SPACED	---	---							---	---		BUSSED SPACED	36
37	BUSSED SPACED	---	---							---	---		BUSSED SPACED	38
39	BUSSED SPACED	---	---							---	---		BUSSED SPACED	40
41	BUSSED SPACED	---	---							---	---		BUSSED SPACED	42
Total Load:				14.14 kVA		14.09 kVA		8.40 kVA						
Total Amps:				118 A		117 A		70 A						

Load Classifications

Continuous

Receptacles

Lighting

Connected Load

28.00 Kva

6.40 kVA

0.23 kVA

Demand Factor

125.00%

100.00%

100.00%

Estimated Demand

35.00 kVA

6.4 kVA

0.23 kVA

Panel Totals

36.63 kVA

43.63 kVA

101 A

121 A

Total Conn. Load

Total Est. Demand

Total Balanced Conn.

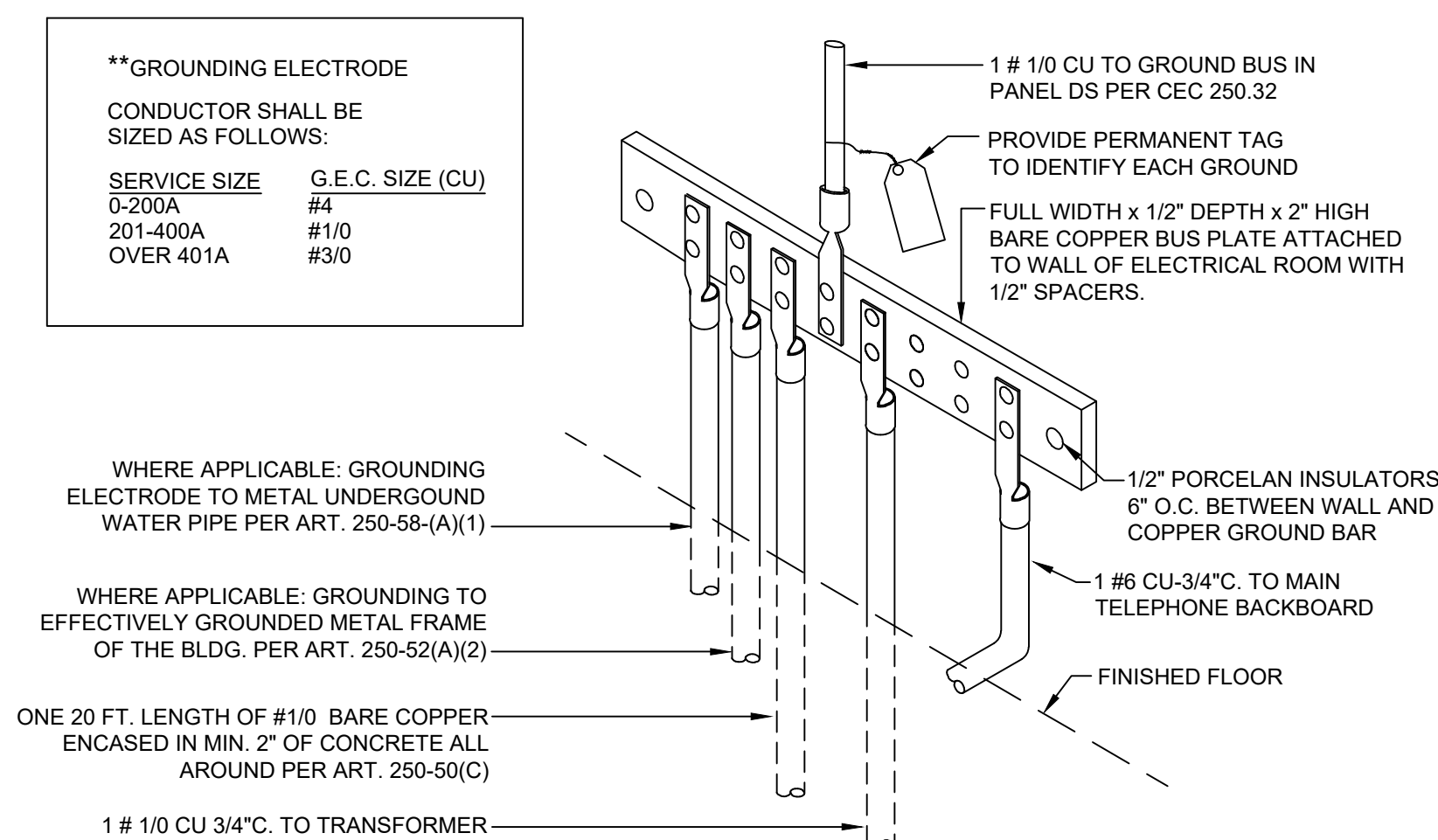
Total Est. Demand

PANEL SCHEDULE

NO SCALE

SINGLE LINE DIAGRAM

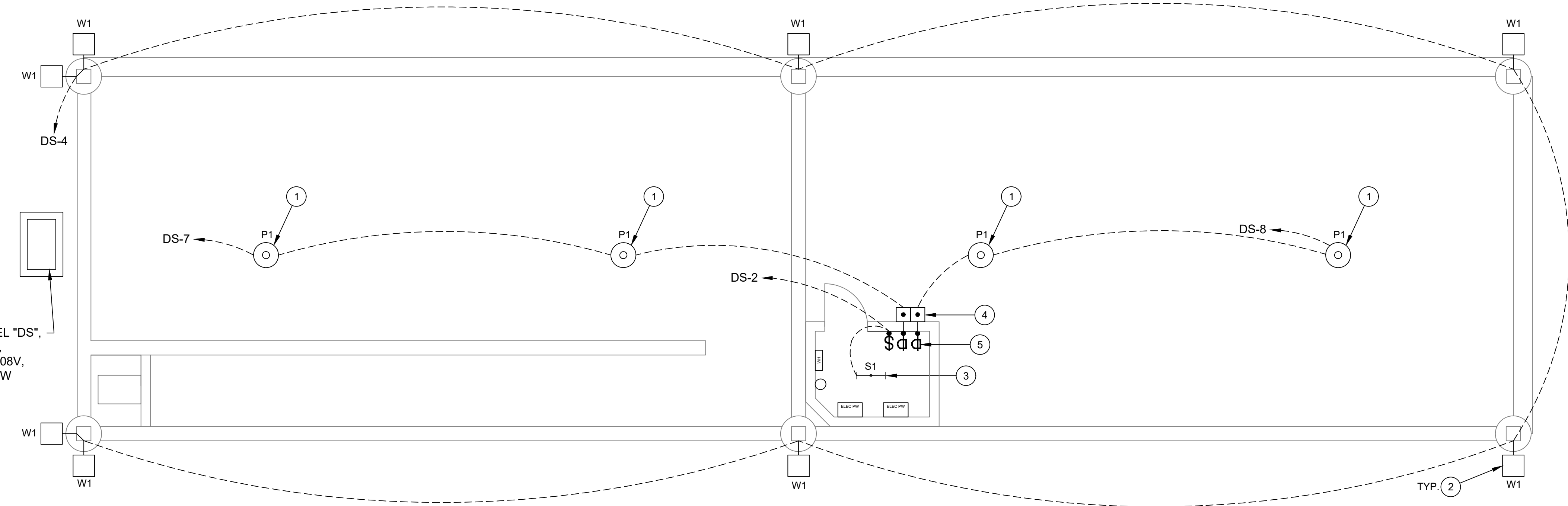
NO SCALE



BUILDING GROUNDING ELECTRODE

NO SCALE

CONSTRUCTION RECORD		REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83	SCALE		DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED <u>10/5/2026</u> BY <u><i>Antonio Sandoval</i></u> PROJECT ENGINEER	CITY OF SANTEE	DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.	
CONTRACTOR _____		DWG NO. 2005-238 TO 312 CITY MAINTENANCE FACILITY	9/3/26	AS	BUILDING DEPARTMENT RESUBMITTAL 1			HORIZ:	AS SHOWN	AS	AS	SM		SINGLE LINE DIAGRAM AND PANEL SCHEDULES: OPERATIONS CENTER VACTOR DECANTING STATION	CIP 2023-32	2026-305A		
INSPECTOR _____								VERT:	AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF STEVEN J. MILLER							DATE	6/25/2026
DATE COMPLETED _____								RCE NO.	76579	EXPIRES		12/31/2026					SHEET	18 OF 21



LIGHTING PLAN

SCALE: 1" = 5' HORIZ

LIGHTING FIXTURE SCHEDULE											
SYMBOL	CALLOUT	LAMP	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL	WATTS	VOLTAGE	LUMENS	CRI	NOTES
	P1	LED	LED CANOPY LIGHT WITH MOTION SENSOR	PENDANT	LITHONIA LIGHTING	VCPGX LED V4 P1 30K 80CRI T5R MVOLT PM PIRH DBLXD OR APPROVED EQUAL	27 W	120 V	3,168 LM	80	+20' ABOVE FINISH SURFACE. MOUNT TO STEEL FRAME STRUCTURE.
	S1	LED	2-FT SURFACE MOUNT LED STRIP LIGHT	PENDANT	LITHONIA LIGHTING	CLX-L24-2000LM-SEF-WDL-120-GZ10-40K-80CRI-WH OR APPROVED EQUAL	14.5 W	120 V	2,000 LM	80	+8' ABOVE FINISH SURFACE
	W1	LED	OUTDOOR WALL PACK LIGHT	SURFACE	LITHONIA LIGHTING	WPX1 LED P1 30K MVOLT DBLXD OR APPROVED EQUAL	11 W	120V	1,537 LM	80	+16' ABOVE FINISH SURFACE

NOTE:* LIGHTING FIXTURES IS SHOWN FOR ELECTRICAL DESIGN COORDINATION ONLY. COORDINATE LIGHTING FIXTURE REQUIREMENTS WITH APPROVED SUBMITTAL AND NAMEPLATE IN THE FIELD.

LEGEND:

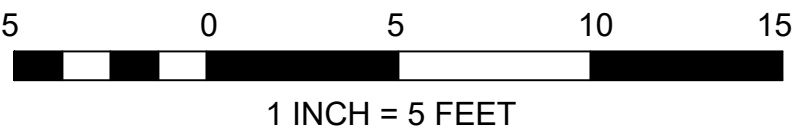
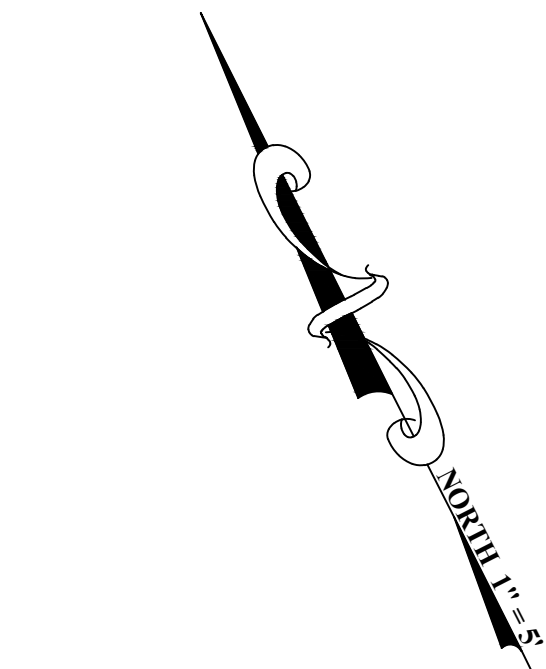
-
- 20A, 120/277V INDUSTRIAL GRADE TOGGLE SWITCH WITH NEMA 3R METAL WEATHER PROOF BOX AND WEATHER PROOF TOGGLE SWITCH COVER
-
- 10 A, 120/277V SLIDE DIMMER WITH 0-10V DIMMING CONTROL WITH NEMA 3R METAL WEATHER PROOF BOX AND WEATHER PROOF COVER

CONSTRUCTION NOTES:

- 1
- INSTALL CANOPY LIGHTS WITH INTEGRATED MOTION SENSOR MOUNTED FROM STEEL SHADE STRUCTURE. COORDINATE WITH STEEL SHADE STRUCTURE MANUFACTURER FOR APPROVED MOUNTING METHODS. PROVIDE A JUNCTION BOX AT EACH LIGHT FIXTURE.
- 2
- INSTALL WALL PACK LIGHTS WITH INTEGRATED PHOTOCELL MOUNTED FROM STEEL SHADE STRUCTURE. COORDINATE WITH STEEL SHADE STRUCTURE MANUFACTURER FOR APPROVED MOUNTING METHODS. PROVIDE A JUNCTION BOX AT EACH LIGHT FIXTURE.
- 3
- INSTALL STRIP LIGHTING MOUNTED INSIDE EQUIPMENT ROOM.
- 4
- INSTALL PHOTO CELL MOUNTED IN NEMA 3R WEATHER PROOF, METALLIC BOX FROM CMU WALL.
- 5
- INSTALL (2) SLIDE DIMMERS TO CONTROL HIGH BAY LIGHTS, EACH ON ITS OWN CIRCUIT. ONE SLIDE DIMMER SHALL CONTROL LIGHTING FOR VACTOR DECANTING SIDE, AND THE OTHER SHALL CONTROL LIGHTING FOR VEHICLE WASH STATION SIDE.

GENERAL NOTES:

1.
- ALL ELECTRICAL WORK LAYOUT PROPOSED ON THIS SHEET SHALL BE REVIEWED AND VERIFIED BY A LICENSED C-10 "ELECTRICAL" CONTRACTOR TO WORK WITH THE PROPOSED ELECTRICAL DESIGN. COORDINATE WITH CIVIL PRIOR TO ROUGH IN.
2.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE CORRECT SIZE, AND NUMBER OF CONDUCTORS AND GROUNDING TO FEED EACH ELECTRICAL EQUIPMENT.
3.
- ALL 20A 120V BRANCH CIRCUITS THAT EXCEED 100' SHALL USE #10 AWG CONDUCTORS OR LARGER.
4.
- ALL SWITCHES/DIMMERS SHALL BE MOUNTED AT 42" ABOVE FINISH FLOOR. VERIFY LOCATIONS OF SWITCHES/DIMMERS WITH CITY ENGINEER PRIOR TO ROUGH IN.
5.
- ALL SWITCH/DIMMER BOXES AND COVERS SHALL BE NEMA 3R WEATHER PROOF METALLIC BOXES WITH METALLIC WEATHER PROOF COVERS.
6.
- ALL ABOVE GROUND ELECTRICAL CONDUITS SHALL BE EMT, 3/4" MIN.



CONSTRUCTION RECORD		REFERENCES		DATE	BY	REVISIONS		ACPTD	BENCH MARK		SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE		DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2025-235 TO 312 CITY MAINTENANCE FACILITY		9/3/26	AS	BUILDING DEPARTMENT RESUBMITTAL 1			STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83		HORIZ: AS SHOWN	AS		SM	10/5/2026	CITY OF SANTEE				
INSPECTOR											VERT: AS SHOWN	PLANS PREPARED UNDER THE SUPERVISION OF STEVEN J. MILLER			By Antonio Sandoval	LIGHTING PLAN:				
DATE COMPLETED												RCE NO. 76579		DATE 6/25/2026	PROJECT ENGINEER	OPERATIONS CENTER VACTOR DECANTING STATION			CIP 2023-32	2026-306
														EXPIRES 12/31/2026						SHEET 19 OF 21

E-4

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
NRCCL-17-E
CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)(2) for indoor 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) and §180.2(b)(4) for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.
Project Name: Operations Center Vector Decanting Station
Report Page: (Page 2 of 7)
Project Address: 9534 Via Zapador, Santee, CA 92071
Date Prepared: 2026-08-31T13:16:58-04:00

A. GENERAL INFORMATION				
01 Project Location (city)	Santee	04 Total Conditioned Floor Area (ft ²)	0	
02 Climate Zone	10	05 Total Unconditioned Floor Area (ft ²)	48	
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	0	
• Commercial Industrial				

B. PROJECT SCOPE
This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 / §170.2(e) or §141.0(b)(2) / §180.2(b)(4) for alterations.

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05	
My Project Consists of (check all that apply):		Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System		N/A	0	Area Category Method	48
☐ New Lighting System - Parking Garage		N/A	0	N/A	0
Total Area of Work (ft²)					48

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance Report Version: 2025.0.000 Compliance ID: ECA-437774-0826-0001 Report Generated: 2026-08-31 10:17:00
Schema Version: rev 20250101

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
NRCCL-17-E
CERTIFICATE OF COMPLIANCE
Project Name: Operations Center Vector Decanting Station
Report Page: (Page 2 of 7)
Project Address: 9534 Via Zapador, Santee, CA 92071
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J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
All areas indicated in Table J are using an additional allowance using the Area Category Method have been included in this table to calculate the additional allowance per Table 140.6-C / 170.2-M

Conditioned Spaces

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

Q. ONE-FOR-ONE LUMINAIRE ALTERATIONS
This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

T. DWELLING UNIT LIGHTING
This section does not apply to this project.

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Project Name: Operations Center Vector Decanting Station
Report Page: (Page 2 of 7)
Project Address: 9534 Via Zapador, Santee, CA 92071
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C. COMPLIANCE RESULTS									
If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.									
Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b) / §170.2(e)	Allowed Lighting Power per §140.6(b) / §170.2(e) (Watts)				Adjusted Lighting Power per §140.6(a) / §170.2(e) (Watts)				Compliance Results
	01	02	03	04	05	06	07	08	
	Complete Building §140.6(c)1	Area Category §140.6(c)2 / §170.2(e)4	Area Category Additional §140.6(c)2G / §170.2(e)4Hw (+)	= Total Allowed (Watts)	≥ Total Designed (Watts)	Adjustments PAF Lighting Control Credits §140.6(a)2 / §170.2(e)1B (-)	= Total Adjusted (Watts) *Includes Adjustments	05 must be >= 08 §140.6 / §170.2(e)	
	(See Table I)	(See Table I)	(See Table J)			(See Table F)			(See Table P)
	Unconditioned	28.8		=	28.8	≥	14.5	=	14.5
					Controls Compliance (See Table H for Details)				COMPLIES
				One-for-one Luminaire Alterations Compliance (See Table Q 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: Energy Code Ace
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance Report Version: 2025.0.000 Compliance ID: ECA-437774-0826-0001 Report Generated: 2026-08-31 10:17:00
Schema Version: rev 20250101

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
NRCCL-17-E
CERTIFICATE OF COMPLIANCE
Project Name: Operations Center Vector Decanting Station
Report Page: (Page 6 of 7)
Project Address: 9534 Via Zapador, Santee, CA 92071
Date Prepared: 2026-08-31T13:16:58-04:00

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selections 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

NRCCL-17-E - Must be submitted for all buildings

IV. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no NRCA forms required for this project.

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance Report Version: 2025.0.000 Compliance ID: ECA-437774-0826-0001 Report Generated: 2026-08-31 10:17:00
Schema Version: rev 20250101

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
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CERTIFICATE OF COMPLIANCE
Project Name: Operations Center Vector Decanting Station
Report Page: (Page 3 of 7)
Project Address: 9534 Via Zapador, Santee, CA 92071
Date Prepared: 2026-08-31T13:16:58-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE									
<i>This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table F, "using Table F to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.</i>									
Designed Wattage: Unconditioned Spaces									
01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change	Watts per luminaire	How is Wattage Determined	Total Number of Luminaires	Excluded per §140.6(a)3 / §170.2(e)2C	Design Watts	Field Inspector Pass Fail
S1	2-ft Surface Mount LED Strip Light	No	NA	14.5	Mfr. Spec	1	No	14.5	☐ ☐
Total Designed Watts: UNCONDITIONED SPACES								14.5	

1FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B / §170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.
2Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) / §160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS
This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)			
<i>This table includes lighting controls for conditioned and unconditioned spaces.</i>			
Building Level Controls			
01	02	03	
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c) / §160.5(b)4C	Field Inspector Pass Fail	
NA < 4,000W subject to multilevel		See Area/Space Level Controls (Column 8)	☐ ☐

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance Report Version: 2025.0.000 Compliance ID: ECA-437774-0826-0001 Report Generated: 2026-08-31 10:17:00
Schema Version: rev 20250101

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
NRCCL-17-E
CERTIFICATE OF COMPLIANCE
Project Name: Operations Center Vector Decanting Station
Report Page: (Page 7 of 7)
Project Address: 9534 Via Zapador, Santee, CA 92071
Date Prepared: 2026-08-31T13:16:58-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Antonio Sandoval
Signature: Antonio Sandoval
Signature Date: 8/31/2026
Address: 10601 Magnolia Avenue
City/State/Zip: Santee, CA 92071
Phone: (619) 258-4100 x 179

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 Person Name: Steven Miller
Responsible Person Signature: Steven Miller
Responsible Person Scope: Designer
Company: City of Santee
Address: 10601 Magnolia Avenue
City/State/Zip: Santee, CA 92071
Date Signed: 9/14/2026
License: 76579
Phone: (619) 258-4100 x 176

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Schema Version: rev 20250101

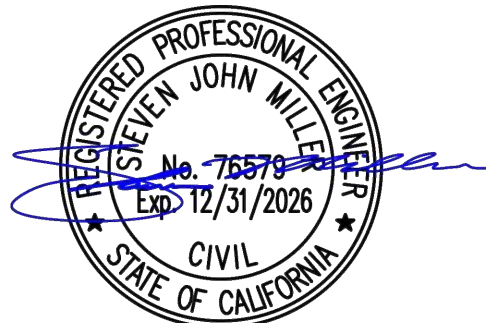
STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
NRCCL-17-E
CERTIFICATE OF COMPLIANCE
Project Name: Operations Center Vector Decanting Station
Report Page: (Page 4 of 7)
Project Address: 9534 Via Zapador, Santee, CA 92071
Date Prepared: 2026-08-31T13:16:58-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)									
Area Level Controls									
04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Controls §130.1(a) / §160.5(b)4A	Multi-Level Controls §130.1(b) / §160.5(b)4B	Shut-Off Controls §130.1(c) / §160.5(b)4C	Primary/Sky-lit Daylighting §130.1(d) / §160.5(b)4D	Secondary Daylighting §130.1(d) / §160.5(b)4D	Interlocked Systems §140.6(a)12 / §170.2(a)2A	Field Inspector	
								Pass	Fail
Utility/Equipment Room	Commercial Industrial Storage Area	Readily Accessible and located in the same space.	NA: Indoor space with only 1 luminaire	Building Level (Shut-off control requirements are met at the building level)	NA: General Ltg < 75W	NA: General Ltg < 75W	No	☐	☐
								13	
Plan Sheet Showing Daylit Zones:									

L. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS					
<i>Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(e) are being used.</i>					
Unconditioned Spaces					
01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment
Utility/Equipment Room	Commercial Industrial Storage Area	0.6	48	28.8	Yes No
TOTALS:			48	28.8	See Tables I, or P for detail

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Schema Version: rev 20250101

CONSTRUCTION RECORD		REFERENCES		DATE	BY	REVISIONS		ACPTD	BENCH MARK		SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE		DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO. 2085-235 TO 312 CITY MAINTENANCE FACILITY		9/3/26	AS	BUILDING DEPARTMENT RESUBMITTAL 1			STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83			AS SHOWN	AS SHOWN	SM	10/5/2026	TITLE 24 INDOOR LIGHTING FORMS:				
INSPECTOR												STEVEN J. MILLER	STEVEN J. MILLER	6/25/2026	Antonio Sandoval	OPERATIONS CENTER VACTOR DECANTING STATION			CIP 2023-32	2026-306A
DATE COMPLETED												RCE NO. 76579	DATE 12/31/2026	EXPIRES	PROJECT ENGINEER					SHEET 20 OF 21



E-5

IMPROVEMENT PLANS - OPERATIONS CENTER VACTOR DECANT STATION, CIP 2023-32

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Operations Center Vector Decanting Station

Report Page: (Page 1 of 7)

Project Address: 9534 Via Zapador, Santee, CA 92071

Date Prepared: 2026-09-14T17:17:37-04:00

A. GENERAL INFORMATION

01 Project Location (city)

Santee

04 Total Illuminated Hardscape Area (ft²)

2500

02 Climate Zone

10

03 Outdoor Lighting Zone per Title 24 Part 1 §10.1.114 or as designated by Authority Having Jurisdiction (AHJ):

☐ 12.0: Very Low - Undeveloped Parkland

☒ 12.1: Low - Rural Areas

☐ 12.2: Moderate - Urban Clusters

☐ 12.3: Moderately High - Urban Areas

☐ 12.4: High - Must be reviewed by CA Energy Commission for Approval

05 Occupancy Types within Project

☒ Commercial Industrial

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(c) or §141.0(b)(2) / §180.2(b)(4b) for alterations.

My Project Consists of:

01

☒ New Lighting System

Must Comply with Allowances from §140.7 / §170.2(e)(6)

02

☐ Altered Lighting System

Is your alteration increasing the connected lighting load (Watts)?

☒ Yes

☐ No

03

% of Existing Luminaires Being Altered¹

Sum Total of Luminaires Being Added or Altered

04

Calculation Method

☐ < 10%

☐ >= 10% and < 50%

☐ >= 50%

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.

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Operations Center Vector Decanting Station

Report Page: (Page 2 of 7)

Date Prepared: 2026-09-14T17:17:37-04:00

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)(2) / §180.2(b)(4b)									
01	02	03	04	05	06	Compliance Results			
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)	Existing Power Allowance §141.0(b)(2) / §180.2(b)(4b) (See Table N)	Total Allowed (Watts)		Total Actual (Watts)	07 must be >= 08
---	+	---	+	---	+	196	OR	---	= 196
Shielding Compliance (See Table H for Details)						COMPLIES			
Controls Compliance (See Table G for Details)						COMPLIES			
N/A									

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.

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Operations Center Vector Decanting Station

Report Page: (Page 3 of 7)

Date Prepared: 2026-09-14T17:17:37-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE									
For new or altered lighting systems demonstrating compliance with §140.7 / §170.2(c)(6) 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)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e. 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 luminaire¹,²	How is Wattage determined	Total Number Luminaires¹	Luminaire Status³	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)	Field Inspector
P1	LED Canopy Light	☐ Linear	27	Mfr. Spec	4	New	☐ 108	NA: < 6200 lumens	☐ Pass ☐ Fail
W1	Outdoor Wall Pack Light	☐ Linear	11	Mfr. Spec	8	New	☐ 88	NA: < 6200 lumens	☐ Pass ☐ Fail
Total Design Watts:						196			

ⁱ NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
[X] Luminaire is lighting a structure, EXCEPTION 2 to §130.2(b)
¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) / §160.5(b)
² For 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.
³ Select "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.
⁴ Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b) / §160.5(c)

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Operations Center Vector Decanting Station

Report Page: (Page 4 of 7)

Date Prepared: 2026-09-14T17:17:37-04:00

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
Vector Decanting & Vehicle Wash Station: "P1"	Other Control	Provided	Provided	Pass
				Fail
Vector Decanting & Vehicle Wash Station: "W1"	Photocontrol	Provided	NA: Each Luminaire <= 40 Watts	Pass
				Fail

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

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-B 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.

☐ General Hardscape Allowance Table I (below)

"Use it or lose it" Allowance (select all that apply) (select all that apply)

☐ Per Application Table J

☐ Sales Frontage Table K

☐ Ornamental Table L

☒ Per Specific Area Table M

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

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CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000

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Compliance ID: ECA-437774-0926-0002

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Operations Center Vector Decanting Station

Report Page: (Page 5 of 7)

Date Prepared: 2026-09-14T17:17:37-04:00

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

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)		DESIGN WATTS		DESIGN WATTS		Additional Allowance (Watts)						
Vector Decanting & Vehicle Wash Station	NonSalesCanopy	2500	0.13	342.5	P1	27	4	108	196					
					W1	11	8	88						
Total Design Watts for this Area:						196								
Total Allowance (Watts) All Areas:						196								

¹ FOOTNOTES: See Table 140.7-B / Table 170.2-S for rules for calculating the specific areas (ft²) for these additional lighting allowances.
² For 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.

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CONSTRUCTION RECORD		REFERENCES		DATE	BY	REVISIONS		ACPTD	BENCH MARK		SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE		DEPARTMENT OF ENGINEERING	CITY W.O. NO.	DRAWING NO.
CONTRACTOR		DWG NO: 2085-235 TO 312 CITY MAINTENANCE FACILITY		9/3/26	AS	BUILDING DEPARTMENT RESUBMITTAL 1			STATION 2163 PER RECORD OF SURVEY 11252 ELEVATION: 360.18 (NGVD 29) US SURVEY FEET BASIS OF COORDINATES: CA ZONE 6 NAD83		HORIZ: AS SHOWN	AS	AS	SM	10/5/2026	TITLE 24 OUTDOOR LIGHTING FORMS:		OPERATIONS CENTER VACTOR DECANTING STATION	CIP 2023-32	2026-306B
INSPECTOR												STEVEN J. MILLER		DATE 6/25/2026						
DATE COMPLETED											VERT: AS SHOWN	RCE NO. 76579		EXPIRES 12/31/2026		PROJECT ENGINEER				SHEET 21 OF 21

E-6

IMPROVEMENT PLANS - OPERATIONS CENTER VACTOR DECANT STATION, CIP 2023-32