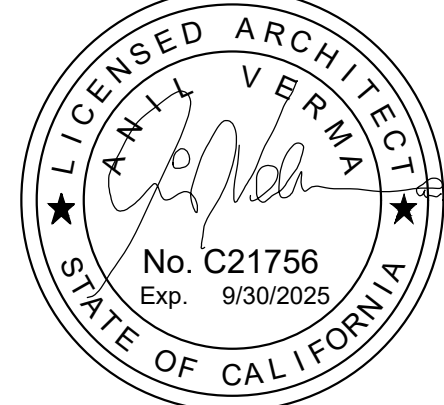


DATE	03/04/2024
REVISION	
ISSUE FOR BID	

**GOLETA TRAIN DEPOT**  
27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
CITY OF GOLETA  
130 CREMONA DRIVE, STE B, GOLETA, CA 93117

COVER SHEET



PLAN CHECK #CIP-9079  
**G100**  
2019-GTD  
ISSUED AS 03/04/2024  
ISSUE DATE  
SHEET 1 OF 234

INVITATION FOR BID 03-04-2024

# GOLETA TRAIN DEPOT

27 SOUTH LA PATERA LANE, GOLETA, CA 93117

## Invitation for Bid Set **PART 1 OF 2**

### Owner/Agency

CITY OF GOLETA  
Department of Neighborhood Services and Public Safety  
130 Cremona Drive, Suite B  
Goleta, CA 93117  
Contact: Jaime Valdez  
Ph: 805-961-7568

### Landscape Architect

ANIL VERMA ASSOCIATES, INC  
444 South Flower Street, Suite #1688  
Los Angeles, CA 90071  
Contact: Jim Keenan / Warren Arata  
Ph: 213-624-6908

### Mech/Plumbing Engineer

ANIL VERMA ASSOCIATES, INC  
444 South Flower Street, Suite #1688  
Los Angeles, CA 90071  
Contact: Chris Rauch, PE  
Ph: 213-624-6908

### Architect / Prime

ANIL VERMA ASSOCIATES, INC  
444 South Flower Street, Suite #1688  
Los Angeles, CA 90071  
Contact: Anil Verma, FAIA  
Ph: 213-624-6908

### Electrical Engineer

ANIL VERMA ASSOCIATES, INC  
444 South Flower Street, Suite #1688  
Los Angeles, CA 90071  
Contact: Ray Cruz, PE  
Ph: 213-624-6908

### Structural Engineer

SE SOLUTIONS, INC  
45901 Sandia Creek Drive  
Temecula, CA 92590  
Contact: Paul Feather  
Ph: 951-699-2666

### Civil Engineer

RAILPROS, INC  
15265 Alton Parkway, Suite #140  
Irvine, CA 92618  
Contact: Matt Britten, PE  
Ph: 619-795-0325

### Geotech. Engineer

ENGEIO Incorporated  
2646 Santa Maria Way, Suite #107  
Santa Maria, CA 93455  
CONTACT: Randy Hildebrandt, PE, GE  
Ph: 805-888-1110

### Survey Engineer

MNS, INC  
201 N. Calle Cesar Chavez, Suite #300  
Santa Barbara, CA 93103  
Contact: Shawn Kowalewski, PE  
Ph: 805-692-6921

### GENERAL NOTES

- ALL WORK SHALL COMPLY WITH CODES, LAWS, & REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK & CONFORMING TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- CONTRACTOR SHALL OBTAIN & PAY FOR ALL PERMITS & ALL INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.
- CONTRACTOR SHALL VERIFY ALL DIM. & CONDITIONS AT THE JOB SITE PRIOR TO START OF WORK. OWNER (OAR) SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONTRACTOR SHALL SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, OR CHANGES TO OWNER (OAR) PRIOR TO PURCHASE, FABRICATION OR INSTALLATION.
- CONTRACTOR SHALL PROTECT AREA OF WORK AND ADJACENT AREAS ON SITE FROM BEING DAMAGED DURING CONSTRUCTION. CONTRACTOR TO REPLACE IN KIND DAMAGED AREAS AT THEIR OWN COST.
- COORDINATE WORK WITH THE OAR, INCLUDING SCHEDULING TIME & LOCATIONS FOR DELIVERIES, SITE ACCESS & USE OF SERVICES. MIN. DISTURBANCE TO NEIGHBORS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE.
- PROVIDE ALL EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES.
- CONTRACTOR SHALL VERIFY AT SITE THE EXTENT OF WORK WHICH MAY OR MAY NOT BE INDICATED BY CLOUDS OR OTHERWISE ON THE DRAWINGS.
- MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL GOVERN, IN CASE OF CONFLICT CONSULT ARCHITECT.
- AT THE COMPLETION OF CONSTRUCTION, REPAIR ALL DAMAGE TO THE PAVED AND LANDSCAPED AREAS DUE TO CONSTRUCTION ACTIVITY TO THE SATISFACTION OF IOR.
- PROVIDE BARRICADES AND PROTECTION AS REQUIRED.
- UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE DRAWINGS, ALL EXISTING CONDITIONS SHALL REMAIN AS-IS.
- ALL CONST. AS INDICATED BY (E) IS EXISTING, UNLESS NOTED AS (N), IS NEW.
- DIMENSIONS ARE TO CENTER OF STRUCTURAL GRID OR FACE OF FINISH, UON.
- COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS OR CEILINGS.

- CHANGES TO APPROVED DRAWINGS or SPEC'S SHALL BE MADE BY AN ADDENDA or CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE OWNER (OAR).
- A CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE CITY SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. DUTIES OF INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
- IN CASE OF CONFLICT, THE MOST STRINGENT AND HIGHEST COST METHOD OF CONSTRUCTION SHALL GOVERN.
- LOCATIONS OF UTILITIES INDICATED ON PLANS IS NOT GUARANTEED TO BE ACCURATE or COMPLETE, BUT IS PLOTTED FOR CONTRACTOR INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXACT LOCATIONS OF UTILITIES & SERVICE CONNECTIONS.
- CONSTRUCTION DOCUMENTS ARE PROVIDED TO ILLUSTRATE DESIGN & GENERAL TYPE OF CONSTRUCTION DESIRED, & IMPLIES THE FINEST QUALITY OF CONSTRUCTION MATERIALS & WORKMANSHIP. CONTRACTOR IS ASSUMING RESPONSIBILITY FOR THE WORK INDICATED, & SHALL COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY WERE DRAWN.
- THE CONTRACTOR GUARANTEES THAT THE WORK PERFORMED WILL BE FREE FROM FAULTY MATERIALS & WORKMANSHIP. UPON RECEIPT OF NOTIFICATION FROM IOR, CONTRACTOR SHALL REMEDY, REPAIR OR REPLACE IMMEDIATELY WITHOUT COST TO CITY ALL DEFECTS or IMPERFECTIONS APPEARING IN THE WORK. IT SHALL BE UNDERSTOOD. U.O.N. THAT ALL MATERIALS & WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR BY CONTRACTOR FROM THE ACCEPTANCE OF THE PROJECT BY THE CITY OF GOLETA'S OAR.
- THE INTENT OF DRAWINGS & SPECIFICATIONS IS THAT THE WORK OF THE CONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING & SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY CITY BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (C), CBSAC, PART 1, TITLE 24, CCR)
- THE INFORMATION CONTAINED IN THESE CONSTRUCTION DOCUMENTS ARE TO BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- CITY OAR SHALL NOTIFY ARCHITECT OR ENGINEER OF RECORD (AOR/EOR), PRIOR TO CONSTRUCTION START DATE, FOR CONSTRUCTION OBSERVATION AND SUPPORT SERVICES.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

### TYPE OF CONSTRUCTION

OCCUPANCY TYPE:	A-3 OCCUPANCY
CONSTRUCTION TYPE:	TYPE V-B
AUTOMATIC FIRE SPRINKLER:	YES
NUMBER OF STORIES:	1 STORY
ROOF TYPE:	CLASS A
ALLOWABLE AREA: 24,000 SF	ACTUAL AREA: 8,550 SF

TOTAL EXISTING IMPERVIOUS AREA: 109,335 SF  
TOTAL PROPOSED NEW IMPERVIOUS AREA: 0 SF  
TOTAL PROPOSED REPLACED IMPERVIOUS AREA: 95,151 SF  
TOTAL SOIL DISTURBANCE AREA IN ACRES AND SF: 2,525 SF (0.57 ACRES) OF PLANTING REPLACED, 14,144 SF (0.32 ACRES) OF NEW PLANTING  
PERVIOUS TO IMPERVIOUS RATIO PRE-CONSTRUCTION: 1:50  
PERVIOUS TO IMPERVIOUS RATIO POST-CONSTRUCTION: 1:6

### APPLICABLE CODES

- PART 1 - 2019 CA. BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 CCR
- PART 2 - 2019 CA. BUILDING CODE, TITLE 24 CCR (2015 IBC, CA. AMENDED)
- PART 3 - 2019 CA. ELECTRICAL CODE, TITLE 24 CCR (2017 NEC OF THE NFPA)
- PART 4 - 2019 CA. MECHANICAL CODE, TITLE 24 CCR (2015 UMC OF THE IAPMO)
- PART 5 - 2019 CA. PLUMBING CODE, TITLE 24 CCR (2015 UPC OF THE IAPMO)
- PART 6 - 2019 CA. ENERGY CODE, TITLE 24 CCR
- PART 7 - CURRENTLY VACANT
- PART 8 - 2016 CA. HISTORICAL BUILDING CODE, TITLE 24 CCR
- PART 9 - 2016 CA. FIRE CODE, TITLE 24 CCR (2012 IFC OF THE ICC) (2015 INTERNATIONAL EXISTING FIRE CODE OF THE ICC)
- PART 11 - 2019 CA. GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 CCR
- PART 10 -
- PART 12 - 2016 CA. REFERENCED STANDARDS, TITLE 24 CCR
- 2016 NFPA 72 - NATIONAL FIRE ALARM CODE (CA. AMENDED); (SEE UL STD. 1971 FOR "VISUAL DEVICES")
- 2015 NFPA 253 - CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS
- 2016 TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS GOLETA MUNICIPAL CODE TITLE 17

### SPECIAL INSPECTIONS

- SEISMIC/SHEAR RESISTANCE
- CONCRETE OVER 2,500 PSI
- HIGH STRENGTH BOLTING
- WELDING
- STEEL FABRICATION (SITE OR SHOP)
- EPOXY, IF USED
- STEEL MILL REPORT
- MASONRY

OBSERVATION OF FOUNDATIONS (FOOTINGS, GRADE BEAMS, CAISSONS, PILES); WALLS (CONCRETE, MASONRY); FRAMES (STEEL MOMENT, BRACED); AND DIAPHRAGMS (STEEL DECKING, CONCRETE)

### HAZARDOUS MATERIALS

ASBESTOS AND LEAD ABATEMENT SHALL BE PERFORMED AND COMPLETED BY CONTRACTOR DURING REMOVAL AND DISPOSAL OF THE EXISTING WAREHOUSE BUILDING. ASBESTOS IS PRESENT, BASED ON VISUAL INSPECTION. REFER TO THE FOLLOWING HAZARDOUS MATERIAL SURVEY AND INSPECTION REPORTS:

- ASBESTOS SURVEY AND HAZARDOUS MATERIALS INSPECTION REPORT FOR THE GOLETA TRAIN DEPOT, PREPARED BY ALL PHASE ENVIRONMENTAL, INC., DECEMBER 6, 2023.
- LEAD-BASED PAINT SURVEY REPORT FOR THE GOLETA TRAIN DEPOT, PREPARED BY ALL PHASE ENVIRONMENTAL, INC., NOVEMBER 30, 2023.

### CONSTRUCTION PHASING AND SEQUENCING

CONSTRUCTION TO BE SEQUENCED TO ALLOW CONTINUAL ACCESS TO THE EXISTING AMTRAK FACILITIES AND ADJACENT PROPERTIES WITHOUT IMPAIRING NORMAL OPERATIONS. EXISTING AMTRAK PARKING (25 STANDARD AND 2 ADA) STALLS TO BE UTILIZED AND / OR TEMPORARILY REPLACED WITH AN EQUAL NUMBER OF STALLS DURING CONSTRUCTION. ANY TEMPORARY PARKING SHALL HAVE AN ACCESSIBLE PATH OF TRAVEL TO THE AMTRAK BOARDING PLATFORM.

### DEFERRED SUBMITTALS

CONTRACTOR RESPONSIBLE FOR DESIGN, ENGINEERING AND PERMITTING OF ALL DEFERRED SUBMITTALS. PROVIDE ARCHITECT WITH A COPY MIN. 3 WEEKS REVIEW TIME PRIOR TO PLAN CHECK SUBMITTAL

- FIRE SPRINKLER SYSTEM HEREIN DEPICT GUIDANCE (NFPA 13).
- CONTRACTOR TO PROVIDE FINAL SIGNED/STAMPED SHOP DWGS.
- FINAL FIRE DETECTION & VOICE ALARM COMMUNICATION SYSTEM
- SKYLIGHT SYSTEM
- SOLAR ROOFING DWGS PACKAGE / INSTALLATION PER VENDOR

TESLA SOLAR ROOFING CONTACT:  
CALEB PATRICK  
ASSOCIATE ACCOUNTS MANAGER  
e: cpatrick@tesla.com  
t: 650-350-9314

### UTILITY / AGENCY COORDINATION

**WATER**  
GOLETA WATER DISTRICT  
4699 HOLLISTER AVE  
GOLETA, CA 93117  
DAN BROOKS  
(805) 319-8481

**NATURAL GAS**  
SOUTHERN GAS COMPANY  
C/O KARL MONTELEONE  
TECHNICAL SERVICES - GOLETA  
1171 MORE RANCH ROAD  
GOLETA, CA 93111-2910  
(805) 681-7945

**SEWER**  
GOLETA SANITARY DISTRICT  
1 WILLIAM MOFFETT PI.  
GOLETA, CA 93117  
LUIS ASTORGA  
(805) 967-4519

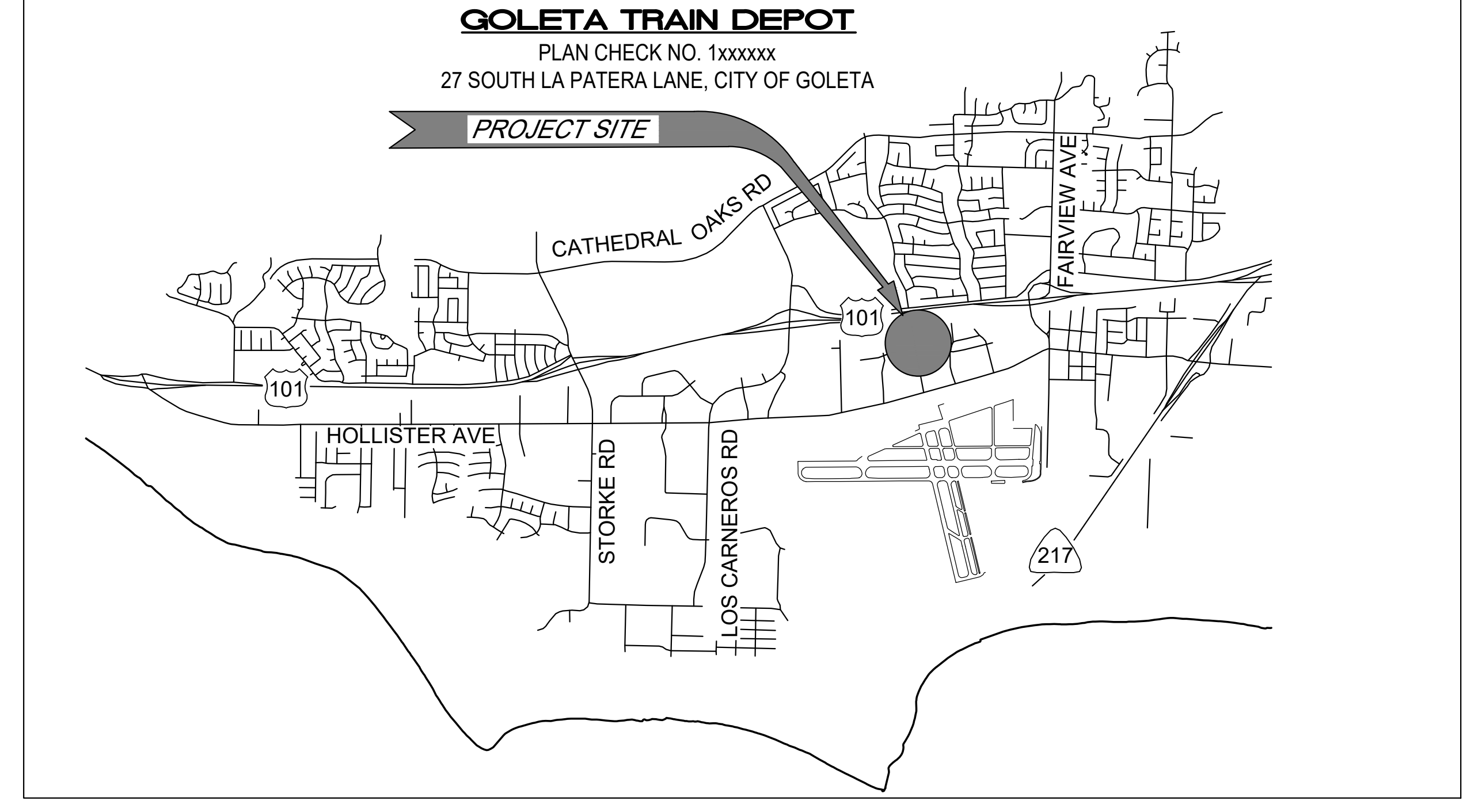
**TELECOMMUNICATIONS**  
FRONTIER COMMUNICATIONS  
C/O LAD KUZELA  
OSP ENGINEERING  
22 S. FAIRVIEW AVENUE  
GOLETA, CA 93117  
(805) 964-8303

**ELECTRIC**  
SOUTHERN CALIFORNIA EDISON  
301 DAVID LOVE PLACE  
GOLETA CA, 93117  
SHAWN LEE  
(805) 535-5901

**RAILROAD R/W**  
LOSSAN RAIL CORRIDOR AGENCY  
600 SOUTH MAIN STREET  
ORANGE CA, 92863  
JAMES D. CAMPBELL (LOSSAN)  
TODD ALMILLI (AMTRAK)  
(714) 560-5390

### VICINITY MAP

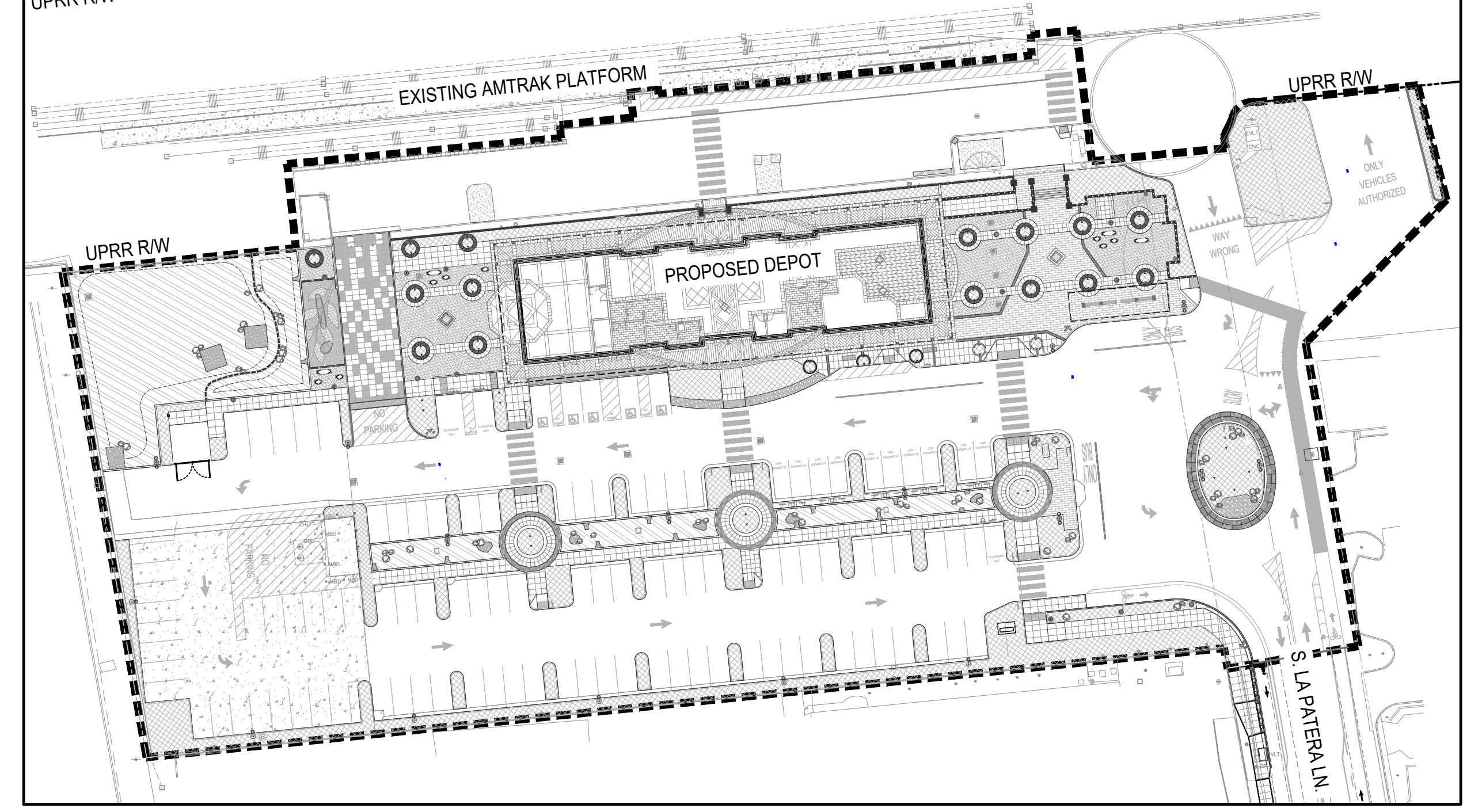
NOT TO SCALE



### KEY MAP

APN 073-050-033

SCALE: 1" = 50'-0"



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SHEET INDEX	DWG NUMBER	DRAWING TITLE	INCLUDED IN 100%
<b>GENERAL :</b>			
1	G100	COVER SHEET	X
2	G-201	DRAWING INDEX	X
3	G-202	DEPOT RENDERINGS	X
4	GB-01	CAL GREEN BUILDING STANDARDS - MANDATORY MEASURES	X
5	GB-02	CAL GREEN BUILDING STANDARDS - MANDATORY MEASURES	X
6	GB-003	CAL GREEN BUILDING NOTES	X
<b>CIVIL :</b>			
7	C-100	COVER SHEET	X
8	C-001	GENERAL NOTES	X
9	C-002	GENERAL NOTES	X
10	C-101	DEMOLITION PLAN	X
11	C-201	LAYOUT PLAN	X
12	C-202	HORIZONTAL CONTROL PLAN	X
13	C-203	SIGNAGE AND STRIPING PLAN	X
14	C-301	GRADING AND DRAINAGE PLAN	X
15	C-302	GRADING AND DRAINAGE DETAILS	X
16	C-303	GRADING AND DRAINAGE DETAILS	X
17	C-501	TYPICAL SECTIONS	X
18	C-601	CIVIL DETAILS	X
<b>UTILITIES :</b>			
19	U-301	PROPOSED WATER AND SEWER PLAN	X
20	EC-001	EROSION CONTROL PLAN	X
21	EC-002	EROSION CONTROL DETAILS	X
22	PH-001	CONSTRUCTION PHASING PLAN	X
23	PH-002	CONSTRUCTION PHASING PLAN	X
<b>LANDSCAPE :</b>			
24	L001	LANDSCAPE COVER SHEET	X
25	L100	SITE PLAN & GENERAL NOTES	X
26	L101	SITE PLAN AERIAL	X
27	L300	LANDSCAPE CONSTRUCTION MATERIAL SCHEDULES	X
28	L301	LANDSCAPE CONSTRUCTION PLAN	X
29	L301ADDALT	LANDSCAPE CONSTRUCTION PLAN - ADD ALT	X
30	L302	LAYOUT PLAN	X
31	L351	SITE SIGNAGE PLAN	X
32	L352	OVERALL SITE ACCESSIBILITY PATH OF TRAVEL	X
33	L401	LANDSCAPE CONSTRUCTION ENLARGEMENT PLAN (WEST)	X
34	L402	LANDSCAPE CONSTRUCTION ENLARGEMENT PLAN (EAST)	X
35	L403	CONSTRUCTION ENLARGEMENT PLAN (PARKING)	X
36	L404ADDALT	LANDSCAPE CONSTRUCTION ENLARGEMENT PLAN - ADD ALT	X
37	L501	SECTIONS & ELEVATIONS	X
38	L601	HARDSCAPE DETAILS - PAVING	X
39	L602	HARDSCAPE DETAILS - PAVING	X
40	L603	CONSTRUCTION DETAILS	X
41	L611	HARDSCAPE DETAILS - WALLS	X
42	L612	CONSTRUCTION DETAILS	X
43	L621	HARDSCAPE DETAILS - ORNAMENTAL METAL	X
44	L622	HARDSCAPE DETAILS - AMENITIES	X
45	L641	HARDSCAPE DETAILS - FURNISHINGS	X
46	L700	IRRIGATION LEGEND, NOTES & CALCULATIONS	X
47	L701	IRRIGATION PLAN	X
48	L751	IRRIGATION DETAILS	X
49	L752	IRRIGATION DETAILS	X
50	L753	IRRIGATION DETAILS	X
51	L800	PLANTING SCHEDULES	X
52	L801	PLANTING PLAN	X
53	L802	PLANTING PLAN	X
54	L1001	PLANTING DETAILS	X

SHEET INDEX	DWG NUMBER	DRAWING TITLE	INCLUDED IN 100%
<b>ARCHITECTURAL :</b>			
55	AG-001	ARCHITECTURAL ABBREVIATIONS, LEGEND AND SYMBOLS	X
56	AG-002	ARCHITECTURAL GENERAL NOTES	X
57	AG-101	SITE PLAN	X
58	AG-201	ADA PATH OF TRAVEL	X
59	AG-202	EXITING PLAN	X
60	AG-203	FIRE AND LIFE SAFETY PLAN	X
61	AG-301	SITE DETAILS	X
62	AG-302	ACCESSIBILITY COMPLIANCY INFORMATION	X
63	AG-303	ACCESSIBILITY COMPLIANCY INFORMATION	X
64	AG-501	3D EXTERIOR VIEWS	X
65	AG-502	3D INTERIOR VIEWS	X
66	AG-601	INTERIOR MATERIAL FINISHES	X
67	AG-602	EXTERIOR MATERIAL FINISHES	X
68	AG-603	FLOOR MATERIAL FINISHES	X
69	CC01	CERTIFICATE OF COMPLIANCE	X
70	CC02	CERTIFICATE OF COMPLIANCE	X
71	A-110	GROUND LEVEL PLAN	X
72	A-111	GROUND LEVEL ENLARGED PLAN - WEST	X
73	A-112	GROUND LEVEL ENLARGED PLAN - EAST	X
74	A-120	SERVICE LEVEL PLAN	X
75	A-121	SERVICE LEVEL ENLARGED PLAN - WEST	X
76	A-122	SERVICE LEVEL ENLARGED PLAN - EAST	X
77	A-123	PLAN SHOWING UPPER WINDOWS	X
78	A-130	ROOF PLAN	X
79	A-140	GROUND LEVEL REFLECTED CEILING PLAN	X
80	A-141	GROUND LEVEL ENLARGED REFLECTED CEILING PLAN - WEST	X
81	A-142	GROUND LEVEL ENLARGED REFLECTED CEILING PLAN - EAST	X
82	A-150	SERVICE LEVEL REFLECTED CEILING PLAN	X
83	A-160	FINISH PLAN	X
84	A-161	FINISH ENLARGED PLAN - WEST	X
85	A-162	FINISH ENLARGED PLAN - EAST	X
86	A-170	FURNITURE PLAN	X
87	A-201	BUILDING ELEVATIONS	X
88	A-301	BUILDING SECTIONS	X
89	A-302	BUILDING SECTIONS	X
90	A-401	WALL SECTIONS	X
91	A-402	WALL SECTIONS	X
92	A-411	TOILET ENLARGED PLAN	X
93	A-412	TOILET ENLARGED PLAN	X
94	A-413	TOILET ENLARGED PLAN	X
95	A-451	INTERIOR ELEVATIONS	X
96	A-452	INTERIOR ELEVATIONS	X
97	A-453	INTERIOR ELEVATIONS	X
98	A-454	INTERIOR ELEVATIONS	X
99	A-455	INTERIOR ELEVATIONS	X
100	A-456	INTERIOR ELEVATIONS	X
101	A-501	DETAIL WALL SECTIONS	X
102	A-502	DETAIL WALL SECTIONS	X
103	A-503	DETAIL FLOOR SECTIONS	X
104	A-504	CEILING DETAILS	X
105	A-505	DOOR DETAILS	X
106	A-506	WINDOW DETAILS	X
107	A-507	SKYLIGHT DETAILS	X
108	A-511	EXTERIOR WALL FIBER CEMENT DETAILS	X
109	A-512	INTERIOR PSI PANEL DETAILS	X
110	A-521	STAIR DETAILS	X
111	A-522	TRELLIS DETAILS	X
112	A-523	SCREEN WALL DETAILS	X
113	A-524	BRACKETS	X
114	A-601	DOOR TYPE AND SCHEDULE	X
115	A-602	DOOR HARDWARE SCHEDULE - 1	X
116	A-603	DOOR HARDWARE SCHEDULE - 2	X
117	A-606	WINDOW TYPE AND SCHEDULE	X
118	A-611	ROOM FINISH & TOILET / JANITOR ACCESSORY SCHEDULE	X
119	A-616	FURNITURE SCHEDULE	X
120	A-631	WALL PARTITION TYPE	X

SHEET INDEX	DWG NUMBER	DRAWING TITLE	INCLUDED IN 100%
<b>ARCHITECTURAL :</b>			
121	A-801	BUS SHED	X
122	A-802	BUS SHED DETAILS	X
123	A-811	TRASH ENCLOSURE	X
124	A-812	TRASH ENCLOSURE DETAILS	X
125	A-821	DISPLAY KIOSK	X
126	A-822	DISPLAY KIOSK DETAILS	X
127	A-901	GROUND LEVEL SIGNAGE PLAN	X
128	A-902	GROUND LEVEL SIGNAGE SCHEDULE	X
<b>STRUCTURAL :</b>			
129	S001	STRUCTURAL NOTES	X
130	S002	STRUCTURAL NOTES	X
131	S003	TYPICAL STRUCTURAL DETAILS	X
132	S004	TYPICAL STRUCTURAL DETAILS	X
133	S101.1	FOUNDATION PLAN - WEST	X
134	S101.2	FOUNDATION PLAN - EAST	X
135	S102.1	LEVEL 2 FRAMING PLAN - WEST	X
136	S102.2	LEVEL 2 FRAMING PLAN - EAST	X
137	S103.1	ROOF FRAMING PLAN - WEST	X
138	S103.2	ROOF FRAMING PLAN - EAST	X
139	S200	FRAME ELEVATIONS	X
140	S201	FRAME ELEVATIONS	X
141	S202	FRAME ELEVATIONS	X
142	S300	TRASH ENCLOSURE PLANS / BUS SHED PLANS	X
143	S400	STRUCTURAL DETAILS	X
144	S500	STRUCTURAL DETAILS	X
145	S501	STRUCTURAL DETAILS	X
<b>MECHANICAL :</b>			
146	M-001	SYMBOLS AND ABBREVIATIONS	X
147	M-002	TITLE 24 COMPLIANCE SHEET 1 OF 2	X
148	M-003	TITLE 24 COMPLIANCE SHEET 2 OF 2	X
149	M-110	GROUND LEVEL PLAN	X
150	M-111	GROUND LEVEL ENLARGED PLAN - WEST	X
151	M-112	GROUND LEVEL ENLARGED PLAN - EAST	X
152	M-120	SERVICE LEVEL PLAN	X
153	M-121	SERVICE LEVEL ENLARGED PLAN - WEST	X
154	M-122	SERVICE LEVEL ENLARGED PLAN - EAST	X
155	M-300	SCHEDULES	X
<b>ELECTRICAL :</b>			
156	E-001	ELECTRICAL ABBREVIATIONS, GENERAL NOTES & SYMBOLS	X
157	E-002	SITE PLAN	X
158	E-003	SITE ENLARGED PLANS	X
159	E-100	GROUND LEVEL POWER PLAN	X
160	E-101	GROUND LEVEL ENLARGED POWER PLAN - WEST	X
161	E-102	GROUND LEVEL ENLARGED POWER PLAN - EAST	X
162	E-110	SERVICE LEVEL POWER PLAN	X
163	E-111	SERVICE LEVEL ENLARGED POWER PLAN - WEST	X
164	E-112	SERVICE LEVEL ENLARGED POWER PLAN - EAST	X
165	E-120	GROUND LEVEL LIGHTING PLAN	X
166	E-121	GROUND LEVEL ENLARGED LIGHTING PLAN - WEST	X
167	E-122	GROUND LEVEL ENLARGED LIGHTING PLAN - EAST	X
168	E-130	SERVICE LEVEL LIGHTING PLAN	X
169	E-131	SERVICE LEVEL ENLARGED LIGHTING PLAN - WEST	X
170	E-132	SERVICE LEVEL ENLARGED LIGHTING PLAN - EAST	X
171	E-140	GROUND LEVEL SECURITY PLAN	X
172	E-141	GROUND LEVEL ENLARGED SECURITY PLAN - WEST	X
173	E-142	GROUND LEVEL ENLARGED SECURITY PLAN - EAST	X
174	E-150	SERVICE LEVEL SECURITY PLAN	X
175	E-151	SERVICE LEVEL ENLARGED SECURITY PLAN - WEST	X
176	E-152	SERVICE LEVEL ENLARGED SECURITY PLAN - EAST	X
177	E-160	GROUND LEVEL GROUNDING PLAN	X
178	E-161	GROUND LEVEL ENLARGED GROUNDING PLAN - WEST	X
179	E-162	GROUND LEVEL ENLARGED GROUNDING PLAN - EAST	X
180	E-170	SERVICE LEVEL GROUNDING PLAN	X
181	E-171	SERVICE LEVEL ENLARGED GROUNDING PLAN - WEST	X
182	E-172	SERVICE LEVEL ENLARGED GROUNDING PLAN - EAST	X
183	E-191	ELECTRICAL ROOM POWER AND GROUNDING ENLARGED PLAN	X
184	E-192	BUS SHED	X
185	E-193	BATTERY AND TRASH ROOM	X

SHEET INDEX	DWG NUMBER	DRAWING TITLE	INCLUDED IN 100%
<b>ELECTRICAL :</b>			
186	E-200	LIGHTING CONTROL WIRING DIAGRAM	X
187	E-201	SINGLE LINE DIAGRAM	X
188	E-202	TREE UPLIGHT LOW VOLTAGE WIRING DIAGRAM	X
189	E-203	SECURITY CAMERA & INTRUSION ALARM RISER DIAGRAM	X
190	E-300	PANEL SCHEDULES	X
191	E-301	PANEL & LIGHTING FIXTURES SCHEDULES	X
192	E-401	MISCELLANEOUS DETAILS SHEET OF 1 OF 2	X
193	E-402	MISCELLANEOUS DETAILS SHEET OF 2 OF 2	X
194	E-501	SITE PHOTOMETRIC PLAN	X
195	E-502	DEPOT PHOTOMETRIC PLAN	X
196	E-503	BUS SHED PHOTOMETRIC PLAN	X
197	E-180	FIRE ALARM COVER SHEET	X
198	E-180A	GROUND LEVEL FIRE ALARM PLAN	X
199	E-181	GROUND LEVEL ENLARGED FIRE ALARM PLAN - WEST	X
200	E-182	GROUND LEVEL ENLARGED FIRE ALARM PLAN - EAST	X
201	E-183	SERVICE LEVEL FIRE ALARM PLAN	X
202	E-184	SERVICE LEVEL ENLARGED FIRE ALARM PLAN - WEST	X
203	E-185	SERVICE LEVEL ENLARGED FIRE ALARM PLAN - EAST	X
204	E-186	ADDRESSABLE FIRE ALARM SYSTEM	X
205	E-187	FIRE ALARM MISC. DETAIL	X
<b>PLUMBING :</b>			
206	P-001	SYMBOLS, LEGEND, ABBREVIATIONS AND GENERAL NOTES	X
207	P-002	TITLE 24 COMPLIANCE	X
208	P-003	FIXTURES AND EQUIPMENT SCHEDULES	X
209	P-004	CALGREEN MANDATORY MEASURES	X
210	P-100	GROUND LEVEL PLUMBING PLAN	X
211	P-101	GROUND LEVEL ENLARGED PLUMBING PLAN - WEST	X
212	P-102	GROUND LEVEL ENLARGED PLUMBING PLAN - EAST	X
213	P-110	SERVICE LEVEL PLUMBING PLAN	X
214	P-111	SERVICE LEVEL ENLARGED PLUMBING PLAN - WEST	X
215	P-112	SERVICE LEVEL ENLARGED PLUMBING PLAN - EAST	X
216	P-120	ROOF PLAN	X
217	P-130	BUS SHED AND TRASH ENCLOSURE PLUMBING PLAN	X
218	P-201	DOMESTIC WATER DIAGRAM	X
219	P-202	NATURAL GAS RISER DIAGRAM	X
220	P-301	WASTE AND VENT ISOMETRIC DIAGRAMS	X
221	P-401	DETAILS	X
222	P-402	DETAILS	X
<b>FIRE PROTECTION (DEFERRED SUBMITTAL - (FOR REFERENCE ONLY) :</b>			
223	FP-001	SYMBOLS, LEGEND, AND ABBREVIATIONS	X
224	FP-002	SITE PLAN	X
225	FP-100	GROUND LEVEL FIRE PROTECTION OVERALL PLAN	X
226	FP-101	GROUND LEVEL FIRE PROTECTION ENLARGED PLAN - WEST	X
227	FP-102	GROUND LEVEL FIRE PROTECTION ENLARGED PLAN - EAST	X
228	FP-110	SERVICE LEVEL FIRE PROTECTION OVERALL PLAN (SHOWING RISERS)	X
229	FP-200	SERVICE LEVEL FIRE PROTECTION OVERALL PLAN	X
230	FP-201	SERVICE LEVEL FIRE PROTECTION ENLARGED PLAN - WEST	X
231	FP-202	SERVICE LEVEL FIRE PROTECTION ENLARGED PLAN - EAST	X
232	FP-301	BUILDING SECTIONS	X
233	FP-401	GROUND LEVEL ISOMETRIC DIAGRAM	X
234	FP-402	SERVICE LEVEL ISOMETRIC DIAGRAM	X
235	FP-501	DETAILS	X
<b>TOPOGRAPHIC SURVEY PLAN - (FOR REFERENCE )</b>			



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DATE	REVISION
03/04/2024	ISSUE FOR BID

**GOLETA TRAIN DEPOT**  
27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
CITY OF GOLETA  
130 CREMONA DRIVE, STE B, GOLETA, CA 93117

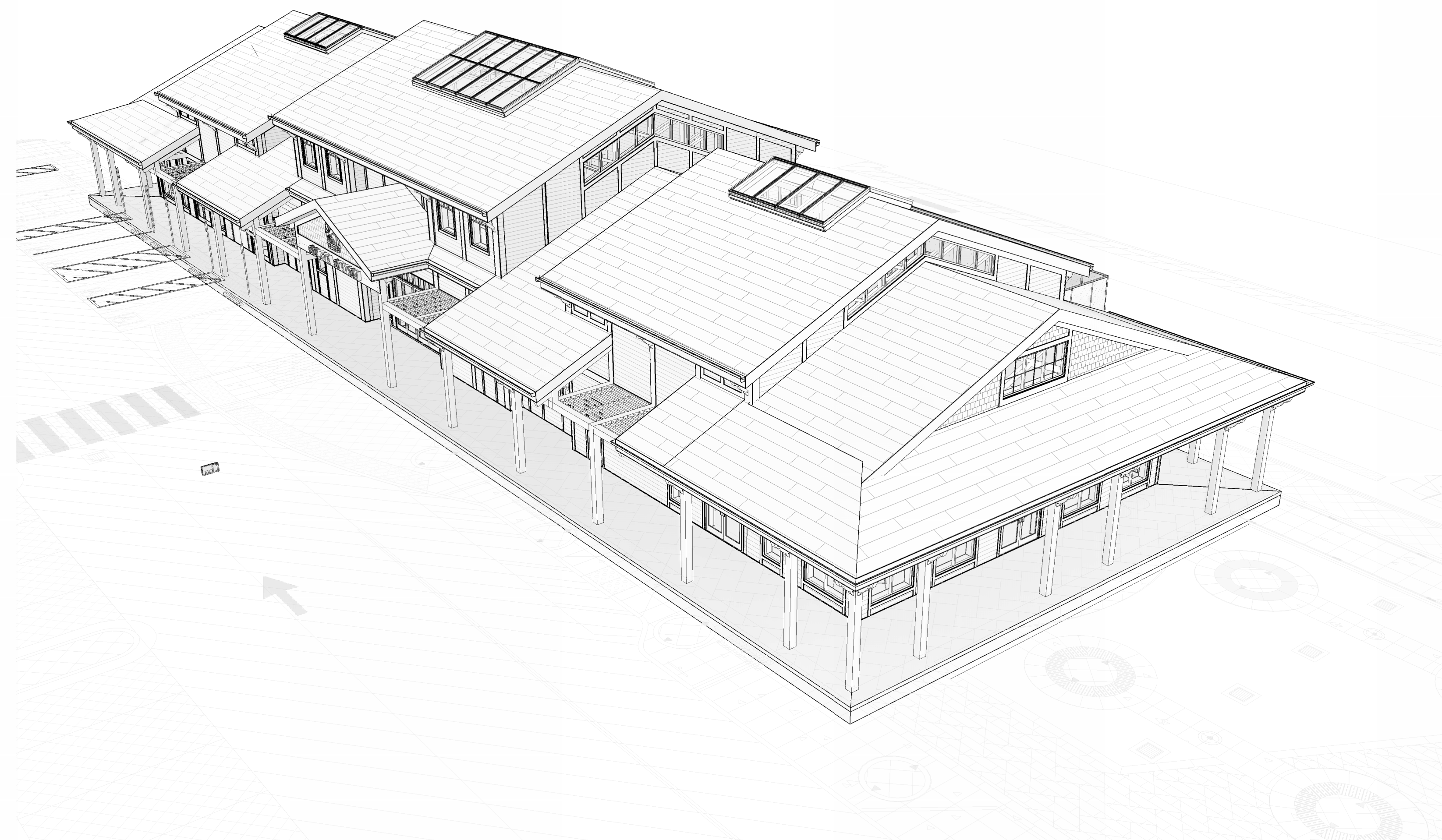
**DRAWING INDEX**



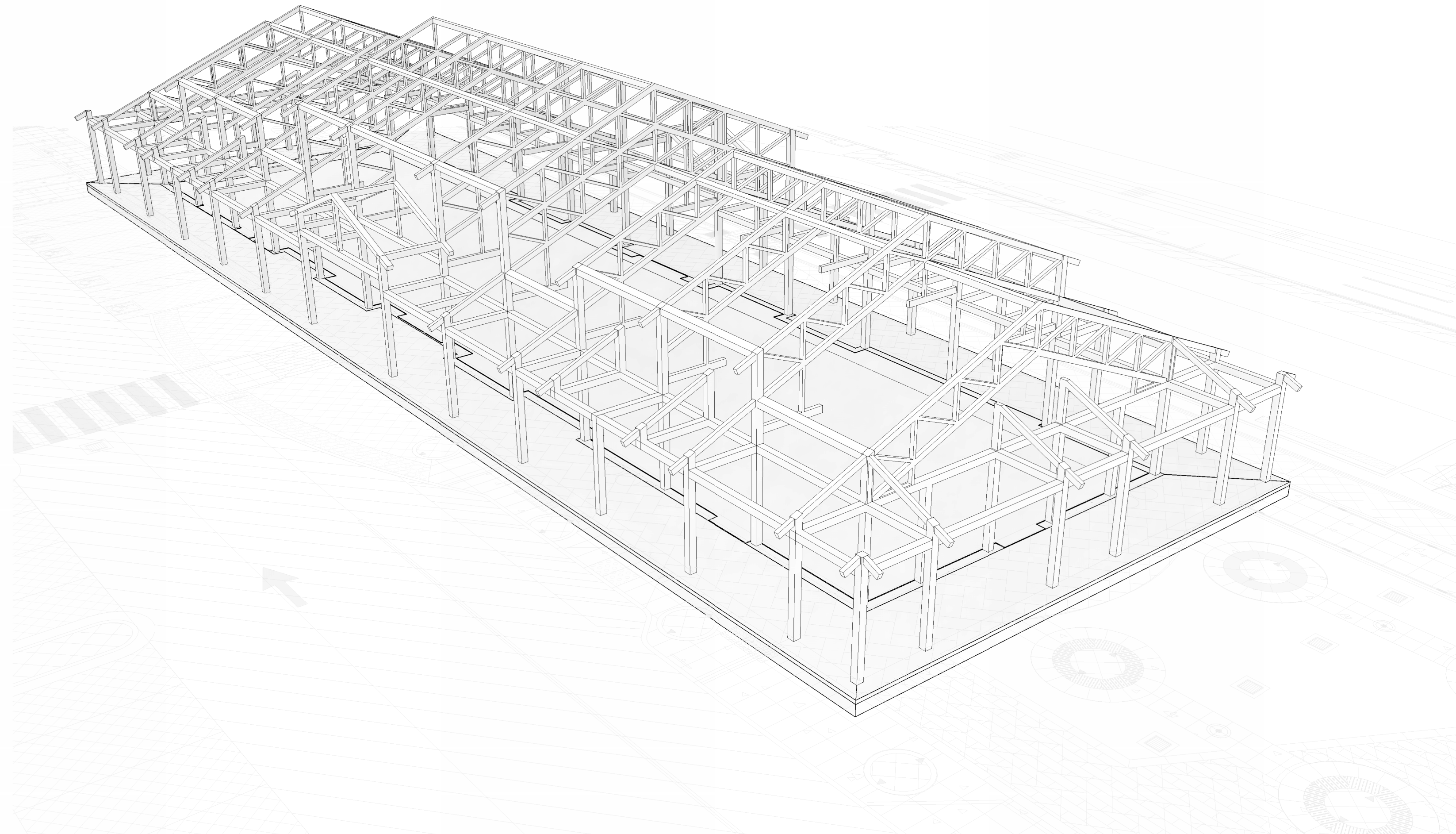
PLAN CHECK #CIP-9079  
**G-201**  
2019-GTD  
NO SCALE  
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ISSUED AS 03/04/2024  
SHEET 2 OF 235



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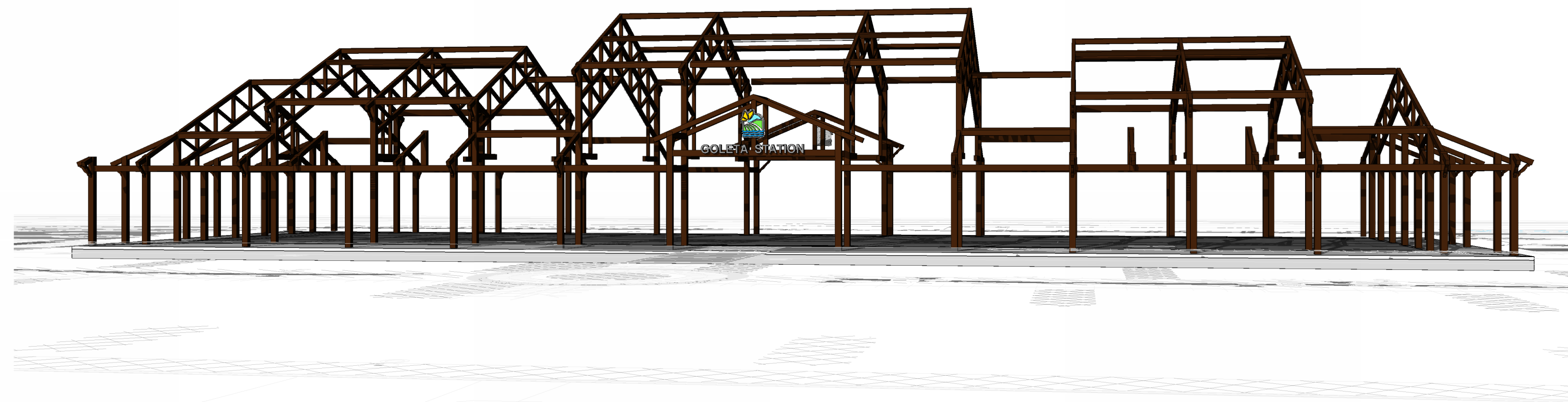
3D AERIAL VIEW - ARCHITECTURAL 1 G-202



3D AERIAL VIEW - STRUCTURAL 2 G-202



3D NORMAL VIEW - ARCHITECTURAL 3 G-202



3D NORMAL VIEW - STRUCTURAL 4 G-202

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CITY OF GOLETA  
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DEPOT RENDERINGS



PLAN CHECK CIP-9079

G-202

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JOB NUMBER  
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SHEET 003 OF 235

INVIATION FOR BID 03-04-2024

# 2019 CALIFORNIA GREEN BUILDING STANDARDS - MANDATORY MEASURES



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3. MAY BE USED TO ASSIST IN DOCUMENTING COMPLIANCE WITH THE WASTE MANAGEMENT PLAN.

4. ADDITIONS AND ALTERATIONS TO A BUILDING OR TENANT SPACE THAT MEET THE SCOPING PROVISIONS IN SECTION 510.1.3 FOR NONRESIDENTIAL ADDITIONS AND ALTERATIONS. SHALL REQUIRE VERIFICATION THAT UNIVERSAL WASTE ITEMS SUCH AS FLUORESCENT LAMPS AND BALLAST AND MERCURY CONTAINING THERMOSTATS AS WELL AS OTHER CALIFORNIA PROHIBITED UNIVERSAL WASTE MATERIALS ARE DISPOSED OF PROPERLY AND ARE DIVERTED FROM LANDFILLS. A LIST OF PROHIBITED UNIVERSAL WASTE MATERIALS SHALL BE INCLUDED IN THE CONSTRUCTION DOCUMENTS.

5. NOTE: REFER TO THE UNIVERSAL WASTE RULE LINK AT: [HTTPS:// DTSCC.CA.GOV/UNIVERSALWASTE/](https://dtscc.ca.gov/universalwaste/)

6. 100 PERCENT OF TREES, STUMPS, ROCKS AND ASSOCIATED VEGETATION AND SOILS RESULTING PRIMARILY FROM LAND CLEARING SHALL BE REUSED OR RECYCLED. FOR A PHASED PROJECT, SUCH MATERIAL MAY BE STOCKPILED ON SITE UNTIL THE STORAGE SITE IS DEVELOPED.

7. EXCEPTION: REUSE, EITHER ON-OR OFF-SITE, OF VEGETATION OR SOIL CONTAMINATED BY DISEASE OR PEST INFESTATION.

8. NOTES:  
 1. IF CONTAMINATION BY DISEASE OR PEST INFESTATION IS SUSPECTED, CONTACT THE COUNTY AGRICULTURIST, COUNTY COMMISSIONER AND FOLLOW HIS DIRECTION FOR RECYCLING OR DISPOSAL OF THE MATERIAL. ([WWW.CDFA.CA.GOV/EXEC/COUNTY/COUNTY\\_CONTACTS.HTML](http://WWW.CDFA.CA.GOV/EXEC/COUNTY/COUNTY_CONTACTS.HTML))  
 2. FOR A MAP OF KNOWN PEST AND/OR DISEASE QUARANTINE ZONES, CONSULT WITH THE CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE. ([WWW.CDFA.CA.GOV](http://WWW.CDFA.CA.GOV))

9. SECTION 5.410 RECYCLING MAINTENANCE AND OPERATION

10. 5.410.1 RECYCLING BY OCCUPANTS  
 PROVIDE READILY ACCESSIBLE AREAS THAT SERVE THE ENTIRE BUILDING AND ARE IDENTIFIED FOR THE DEPOSITING, STORAGE AND COLLECTION OF NON-HAZARDOUS MATERIALS FOR RECYCLING, INCLUDING (AT A MINIMUM) PAPER, CORRUGATED CARDBOARD, GLASS, PLASTICS, ORGANIC WASTE, AND METALS OR MEET A LAWFULLY ENACTED LOCAL RECYCLING ORDINANCE, IF MORE RESTRICTIVE.

11. EXCEPTION: RURAL JURISDICTIONS THAT MEET AND APPLY FOR THE EXEMPTION IN PUBLIC RESOURCES CODE 42649.82 (A)(2)(A) ET SEQ. SHALL ALSO BE EXEMPT FROM THE ORGANIC WASTE PORTION OF THIS SECTION.

12. 5.410.1.2 SAMPLE ORDINANCE  
 SPACE ALLOCATION FOR RECYCLING AREAS SHALL COMPLY WITH CHAPTER 18, PART 3, DIVISION 30 OF THE PUBLIC RESOURCES CODE. CHAPTER 18 IS KNOWN AS THE CALIFORNIA SOLID WASTE REUSE AND RECYCLING ACCESS ACT OF 1991 (ACT).  
 NOTE: A SAMPLE ORDINANCE FOR USE BY LOCAL AGENCIES MAY BE FOUND IN APPENDIX A OF THE DOCUMENT AT THE CALRECYCLE'S WEB SITE.

13. 5.410.2.1 OWNER'S OR OWNER REPRESENTATIVE'S PROJECT REQUIREMENTS (OPR)  
 [N] THE EXPECTATIONS AND REQUIREMENTS OF THE BUILDING APPROPRIATE TO ITS PHASE SHALL BE DOCUMENTED BEFORE THE DESIGN PHASE OF THE PROJECT BEGINS. THIS DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

1. ENVIRONMENTAL AND SUSTAINABILITY GOALS.
2. BUILDING SUSTAINABLE GOALS.
3. INDOOR ENVIRONMENTAL QUALITY REQUIREMENTS.
4. PROJECT PROGRAM, INCLUDING FACILITY FUNCTIONS AND HOURS OF OPERATION, AND NEED FOR AFTER HOURS OPERATION.
5. EQUIPMENT AND SYSTEMS EXPECTATIONS.
6. BUILDING OCCUPANT AND OPERATION AND MAINTENANCE (O&M) PERSONNEL EXPECTATIONS.

14. 5.410.2.2 BASIS OF DESIGN (BOD)  
 [N] A WRITTEN EXPLANATION OF HOW THE DESIGN OF THE BUILDING SYSTEMS MEETS THE OPR SHALL BE COMPLETED AT THE DESIGN PHASE OF THE BUILDING PROJECT. THE BASIS OF DESIGN DOCUMENT SHALL COVER THE FOLLOWING SYSTEMS:

1. RENEWABLE ENERGY SYSTEMS.
2. LANDSCAPE IRRIGATION SYSTEMS.
3. WATER REUSE SYSTEMS.

15. LEGEND/ABBREVIATIONS

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CAL GREEN BUILDING STANDARDS - MANDATORY MEASURES SHEET 1 OF 2  
 GOLETA TRAIN DEPOT  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

REFERENCE	MEASURE	REFERENCE	MEASURE	REFERENCE	MEASURE	REFERENCE	MEASURE
CONSTN	SECTION 5.106 SITE DEVELOPMENT 5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND COMPLY WITH ALL LAWFULLY ENACTED STORMWATER DISCHARGE REGULATIONS FOR PROJECTS THAT (1) DISTURB ONE ACRE OR MORE OF LAND, OR (2) DISTURB LESS THAN ONE ACRE OF LAND BUT ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE.  NOTE: PROJECTS THAT (1) DISTURB ONE ACRE OR MORE OF LAND, OR (2) DISTURB LESS THAN ONE ACRE OF LAND BUT ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE MUST COMPLY WITH THE POSTCONSTRUCTION REQUIREMENTS DETAILED IN THE APPLICABLE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBANCE ACTIVITIES ISSUED BY THE STATE WATER RESOURCES CONTROL BOARD OR THE LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD (FOR PROJECTS IN THE LAKE TAHOE HYDROLOGIC UNIT).  THE NPDES PERMITS REQUIRE POSTCONSTRUCTION RUNOFF (POSTPROJECT HYDROLOGY) TO MATCH THE PRECONSTRUCTION RUNOFF (PRE-PROJECT HYDROLOGY) WITH THE INSTALLATION OF POSTCONSTRUCTION STORMWATER MANAGEMENT MEASURES. THE NPDES PERMITS EMPHASIZE RUNOFF REDUCTION THROUGH ON-SITE STORMWATER USE, INTERCEPTION, EVAPOTRANSPIRATION, AND INFILTRATION THROUGH NONSTRUCTURAL CONTROLS, SUCH AS LOW IMPACT DEVELOPMENT (LID) PRACTICES, AND CONSERVATION DESIGN MEASURES. STORMWATER VOLUME THAT CANNOT BE ADDRESSED USING NONSTRUCTURAL PRACTICES IS REQUIRED TO BE CAPTURED IN STRUCTURAL PRACTICES AND BE APPROVED BY THE ENFORCING AGENCY.  REFER TO THE CURRENT APPLICABLE PERMITS ON THE STATE WATER RESOURCES CONTROL BOARD WEBSITE AT:  WWW.WATERBOARDS.CA.GOV/CONSTRUCTIONSTORMWATER  CONSIDERATION TO THE STORMWATER RUNOFF MANAGEMENT MEASURES SHOULD BE GIVEN DURING THE INITIAL DESIGN PROCESS FOR APPROPRIATE INTEGRATION INTO SITE DEVELOPMENT.	L100	4. THE RACEWAY SHALL ORIGINATE AT A SERVICE PANEL OR A SUBPANEL SERVING THE AREA, AND SHALL TERMINATE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE CHARGING EQUIPMENT AND INTO A LISTED SUITABLE CABINET, BOX, ENCLOSURE OR EQUIVALENT.  5. THE SERVICE PANEL OR SUBPANEL SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE A MINIMUM 40-AMPERE DEDICATED BRANCH CIRCUIT FOR THE FUTURE INSTALLATION OF THE EVSE.  5.106.5.3.3 EV CHARGING SPACE CALCULATION [N] TABLE 5.106.5.3.3 SHALL BE USED TO DETERMINE IF SINGLE OR MULTIPLE CHARGING SPACE REQUIREMENTS APPLY FOR THE FUTURE INSTALLATION OF EVSE.  EXCEPTIONS: ON A CASE-BY-CASE BASIS WHERE THE LOCAL ENFORCING AGENCY HAS DETERMINED EV CHARGING AND INFRASTRUCTURE IS NOT FEASIBLE BASED UPON ONE OR MORE OF THE FOLLOWING CONDITIONS: 1. WHERE THERE IS INSUFFICIENT ELECTRICAL SUPPLY. 2. WHERE THERE IS EVIDENCE SUITABLE TO THE LOCAL ENFORCING AGENCY SUBSTANTIATING THAT ADDITIONAL LOCAL UTILITY INFRASTRUCTURE DESIGN REQUIREMENTS, DIRECTLY RELATED TO THE IMPLEMENTATION OF SECTION 5.106.5.3, MAY ADVERSELY IMPACT THE CONSTRUCTION COST OF THE PROJECT.  TABLE 5.106.5.3.3	L100	4. THE RACEWAY SHALL ORIGINATE AT A SERVICE PANEL OR A SUBPANEL SERVING THE AREA, AND SHALL TERMINATE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE CHARGING EQUIPMENT AND INTO A LISTED SUITABLE CABINET, BOX, ENCLOSURE OR EQUIVALENT.  5. THE SERVICE PANEL OR SUBPANEL SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE A MINIMUM 40-AMPERE DEDICATED BRANCH CIRCUIT FOR THE FUTURE INSTALLATION OF THE EVSE.  5.106.5.3.3 EV CHARGING SPACE CALCULATION [N] TABLE 5.106.5.3.3 SHALL BE USED TO DETERMINE IF SINGLE OR MULTIPLE CHARGING SPACE REQUIREMENTS APPLY FOR THE FUTURE INSTALLATION OF EVSE.  EXCEPTIONS: ON A CASE-BY-CASE BASIS WHERE THE LOCAL ENFORCING AGENCY HAS DETERMINED EV CHARGING AND INFRASTRUCTURE IS NOT FEASIBLE BASED UPON ONE OR MORE OF THE FOLLOWING CONDITIONS: 1. WHERE THERE IS INSUFFICIENT ELECTRICAL SUPPLY. 2. WHERE THERE IS EVIDENCE SUITABLE TO THE LOCAL ENFORCING AGENCY SUBSTANTIATING THAT ADDITIONAL LOCAL UTILITY INFRASTRUCTURE DESIGN REQUIREMENTS, DIRECTLY RELATED TO THE IMPLEMENTATION OF SECTION 5.106.5.3, MAY ADVERSELY IMPACT THE CONSTRUCTION COST OF THE PROJECT.  TABLE 5.106.5.3.3	L100	4. THE RACEWAY SHALL ORIGINATE AT A SERVICE PANEL OR A SUBPANEL SERVING THE AREA, AND SHALL TERMINATE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE CHARGING EQUIPMENT AND INTO A LISTED SUITABLE CABINET, BOX, ENCLOSURE OR EQUIVALENT.  5. THE SERVICE PANEL OR SUBPANEL SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE A MINIMUM 40-AMPERE DEDICATED BRANCH CIRCUIT FOR THE FUTURE INSTALLATION OF THE EVSE.  5.106.5.3.3 EV CHARGING SPACE CALCULATION [N] TABLE 5.106.5.3.3 SHALL BE USED TO DETERMINE IF SINGLE OR MULTIPLE CHARGING SPACE REQUIREMENTS APPLY FOR THE FUTURE INSTALLATION OF EVSE.  EXCEPTIONS: ON A CASE-BY-CASE BASIS WHERE THE LOCAL ENFORCING AGENCY HAS DETERMINED EV CHARGING AND INFRASTRUCTURE IS NOT FEASIBLE BASED UPON ONE OR MORE OF THE FOLLOWING CONDITIONS: 1. WHERE THERE IS INSUFFICIENT ELECTRICAL SUPPLY. 2. WHERE THERE IS EVIDENCE SUITABLE TO THE LOCAL ENFORCING AGENCY SUBSTANTIATING THAT ADDITIONAL LOCAL UTILITY INFRASTRUCTURE DESIGN REQUIREMENTS, DIRECTLY RELATED TO THE IMPLEMENTATION OF SECTION 5.106.5.3, MAY ADVERSELY IMPACT THE CONSTRUCTION COST OF THE PROJECT.  TABLE 5.106.5.3.3
	5.106.4 BICYCLE PARKING FOR BUILDINGS WITHIN THE AUTHORITY OF CALIFORNIA BUILDING STANDARDS COMMISSION AS SPECIFIED IN SECTION 103, COMPLY WITH SECTION 5.106.4.1. FOR BUILDINGS WITHIN THE AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT PURSUANT TO SECTION 105, COMPLY WITH SECTION 5.106.4.2.  5.106.4.1 BICYCLE PARKING [BSC-CG] COMPLY WITH SECTIONS 5.106.4.1.1 AND 5.106.4.1.2; OR MEET THE APPLICABLE LOCAL ORDINANCE, WHICHEVER IS STRICTER.  5.106.4.1.1 SHORT-TERM BICYCLE PARKING IF THE NEW PROJECT OR AN ADDITION OR ALTERATION IS ANTICIPATED TO GENERATE VISITOR TRAFFIC, PROVIDE PERMANENTLY ANCHORED BICYCLE RACKS WITHIN 200 FEET OF THE VISITOR'S ENTRANCE, READILY VISIBLE TO PASSENGERS BY, FOR 5 PERCENT OF NEW VISITOR MOTORIZED VEHICLE PARKING SPACES BEING ADDED, WITH A MINIMUM OF ONE TWO-BIKE CAPACITY RACK.  EXCEPTION: ADDITIONS OR ALTERATIONS WHICH ADD NINE OR LESS VISITOR VEHICULAR PARKING SPACES.  5.106.4.2.2 STAFF BICYCLE PARKING PROVIDE PERMANENT, SECURE BICYCLE PARKING CONVENIENTLY ACCESSED WITH A MINIMUM OF TWO STAFF BICYCLE PARKING SPACES PER NEW BUILDING. ACCEPTABLE BICYCLE PARKING FACILITIES SHALL BE CONVENIENT FROM THE STREET OR STAFF PARKING AREA AND SHALL MEET ONE OF THE FOLLOWING: 1. COVERED, LOCKABLE ENCLOSURES WITH PERMANENTLY ANCHORED RACKS FOR BICYCLES; 2. LOCKABLE BICYCLE ROOMS WITH PERMANENTLY ANCHORED RACKS; OR 3. LOCKABLE, PERMANENTLY ANCHORED BICYCLE LOCKERS.  5.106.5 5.106.5.2 DESIGNATED PARKING FOR CLEAN AIR VEHICLES IN NEW PROJECTS OR ADDITIONS OR ALTERATIONS THAT ADD 10 OR MORE VEHICULAR PARKING SPACES, PROVIDE DESIGNATED PARKING FOR ANY COMBINATION OF LOW-EMITTING, FUEL-EFFICIENT AND CARPOOL/VAN POOL VEHICLES AS FOLLOWS:  TABLE 5.106.5.2		L100		5.106.5.2.1 PARKING STALL MARKING PAINT, IN THE PAINT USED FOR STALL STRIPING, THE FOLLOWING CHARACTERS SUCH THAT THE LAST WORD ALIGNS WITH THE END OF THE STALL STRIPING AND IS VISIBLE BENEATH A PARKED VEHICLE:  CLEAN AIR/ VANPOOL/VEV  NOTE: VEHICLES BEARING CLEAN AIR VEHICLE STICKERS FROM EXPIRED HOV LANE PROGRAMS MAY BE CONSIDERED ELIGIBLE FOR DESIGNATED PARKING SPACES.  5.106.5.3 ELECTRIC VEHICLE (EV) CHARGING [N] CONSTRUCTION SHALL COMPLY WITH SECTION 5.106.5.3.1 OR SECTION 5.106.5.3.2 TO FACILITATE FUTURE INSTALLATION OF ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE), WHEN EVSE(S) IS/ARE INSTALLED, IT SHALL BE IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE, THE CALIFORNIA ELECTRICAL CODE AND AS FOLLOWS:  5.106.5.3.2 MULTIPLE CHARGING SPACE REQUIREMENTS [N] WHEN MULTIPLE CHARGING SPACES ARE REQUIRED PER TABLE 5.106.5.3.3 RACEWAY(S) IS/ARE REQUIRED TO BE INSTALLED AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL CODE. CONSTRUCTION PLANS AND SPECIFICATIONS SHALL INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: 1. THE TYPE AND LOCATION OF THE EVSE. 2. A LISTED RACEWAY CAPABLE OF ACCOMMODATING A 208/240-VOLT DEDICATED BRANCH CIRCUIT. 3. THE RACEWAY SHALL NOT BE LESS THAN TRADE SIZE 1".		L100

REFERENCE	MEASURE	REFERENCE	MEASURE	REFERENCE	MEASURE	REFERENCE	MEASURE
L100	4. THE RACEWAY SHALL ORIGINATE AT A SERVICE PANEL OR A SUBPANEL SERVING THE AREA, AND SHALL TERMINATE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE CHARGING EQUIPMENT AND INTO A LISTED SUITABLE CABINET, BOX, ENCLOSURE OR EQUIVALENT.  5. THE SERVICE PANEL OR SUBPANEL SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE A MINIMUM 40-AMPERE DEDICATED BRANCH CIRCUIT FOR THE FUTURE INSTALLATION OF THE EVSE.  5.106.5.3.3 EV CHARGING SPACE CALCULATION [N] TABLE 5.106.5.3.3 SHALL BE USED TO DETERMINE IF SINGLE OR MULTIPLE CHARGING SPACE REQUIREMENTS APPLY FOR THE FUTURE INSTALLATION OF EVSE.  EXCEPTIONS: ON A CASE-BY-CASE BASIS WHERE THE LOCAL ENFORCING AGENCY HAS DETERMINED EV CHARGING AND INFRASTRUCTURE IS NOT FEASIBLE BASED UPON ONE OR MORE OF THE FOLLOWING CONDITIONS: 1. WHERE THERE IS INSUFFICIENT ELECTRICAL SUPPLY. 2. WHERE THERE IS EVIDENCE SUITABLE TO THE LOCAL ENFORCING AGENCY SUBSTANTIATING THAT ADDITIONAL LOCAL UTILITY INFRASTRUCTURE DESIGN REQUIREMENTS, DIRECTLY RELATED TO THE IMPLEMENTATION OF SECTION 5.106.5.3, MAY ADVERSELY IMPACT THE CONSTRUCTION COST OF THE PROJECT.  TABLE 5.106.5.3.3	L100	4. THE RACEWAY SHALL ORIGINATE AT A SERVICE PANEL OR A SUBPANEL SERVING THE AREA, AND SHALL TERMINATE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE CHARGING EQUIPMENT AND INTO A LISTED SUITABLE CABINET, BOX, ENCLOSURE OR EQUIVALENT.  5. THE SERVICE PANEL OR SUBPANEL SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE A MINIMUM 40-AMPERE DEDICATED BRANCH CIRCUIT FOR THE FUTURE INSTALLATION OF THE EVSE.  5.106.5.3.3 EV CHARGING SPACE CALCULATION [N] TABLE 5.106.5.3.3 SHALL BE USED TO DETERMINE IF SINGLE OR MULTIPLE CHARGING SPACE REQUIREMENTS APPLY FOR THE FUTURE INSTALLATION OF EVSE.  EXCEPTIONS: ON A CASE-BY-CASE BASIS WHERE THE LOCAL ENFORCING AGENCY HAS DETERMINED EV CHARGING AND INFRASTRUCTURE IS NOT FEASIBLE BASED UPON ONE OR MORE OF THE FOLLOWING CONDITIONS: 1. WHERE THERE IS INSUFFICIENT ELECTRICAL SUPPLY. 2. WHERE THERE IS EVIDENCE SUITABLE TO THE LOCAL ENFORCING AGENCY SUBSTANTIATING THAT ADDITIONAL LOCAL UTILITY INFRASTRUCTURE DESIGN REQUIREMENTS, DIRECTLY RELATED TO THE IMPLEMENTATION OF SECTION 5.106.5.3, MAY ADVERSELY IMPACT THE CONSTRUCTION COST OF THE PROJECT.  TABLE 5.106.5.3.3	L100	4. THE RACEWAY SHALL ORIGINATE AT A SERVICE PANEL OR A SUBPANEL SERVING THE AREA, AND SHALL TERMINATE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE CHARGING EQUIPMENT AND INTO A LISTED SUITABLE CABINET, BOX, ENCLOSURE OR EQUIVALENT.  5. THE SERVICE PANEL OR SUBPANEL SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE A MINIMUM 40-AMPERE DEDICATED BRANCH CIRCUIT FOR THE FUTURE INSTALLATION OF THE EVSE.  5.106.5.3.3 EV CHARGING SPACE CALCULATION [N] TABLE 5.106.5.3.3 SHALL BE USED TO DETERMINE IF SINGLE OR MULTIPLE CHARGING SPACE REQUIREMENTS APPLY FOR THE FUTURE INSTALLATION OF EVSE.  EXCEPTIONS: ON A CASE-BY-CASE BASIS WHERE THE LOCAL ENFORCING AGENCY HAS DETERMINED EV CHARGING AND INFRASTRUCTURE IS NOT FEASIBLE BASED UPON ONE OR MORE OF THE FOLLOWING CONDITIONS: 1. WHERE THERE IS INSUFFICIENT ELECTRICAL SUPPLY. 2. WHERE THERE IS EVIDENCE SUITABLE TO THE LOCAL ENFORCING AGENCY SUBSTANTIATING THAT ADDITIONAL LOCAL UTILITY INFRASTRUCTURE DESIGN REQUIREMENTS, DIRECTLY RELATED TO THE IMPLEMENTATION OF SECTION 5.106.5.3, MAY ADVERSELY IMPACT THE CONSTRUCTION COST OF THE PROJECT.  TABLE 5.106.5.3.3	L100	4. THE RACEWAY SHALL ORIGINATE AT A SERVICE PANEL OR A SUBPANEL SERVING THE AREA, AND SHALL TERMINATE IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE CHARGING EQUIPMENT AND INTO A LISTED SUITABLE CABINET, BOX, ENCLOSURE OR EQUIVALENT.  5. THE SERVICE PANEL OR SUBPANEL SHALL HAVE SUFFICIENT CAPACITY TO ACCOMMODATE A MINIMUM 40-AMPERE DEDICATED BRANCH CIRCUIT FOR THE FUTURE INSTALLATION OF THE EVSE.  5.106.5.3.3 EV CHARGING SPACE CALCULATION [N] TABLE 5.106.5.3.3 SHALL BE USED TO DETERMINE IF SINGLE OR MULTIPLE CHARGING SPACE REQUIREMENTS APPLY FOR THE FUTURE INSTALLATION OF EVSE.  EXCEPTIONS: ON A CASE-BY-CASE BASIS WHERE THE LOCAL ENFORCING AGENCY HAS DETERMINED EV CHARGING AND INFRASTRUCTURE IS NOT FEASIBLE BASED UPON ONE OR MORE OF THE FOLLOWING CONDITIONS: 1. WHERE THERE IS INSUFFICIENT ELECTRICAL SUPPLY. 2. WHERE THERE IS EVIDENCE SUITABLE TO THE LOCAL ENFORCING AGENCY SUBSTANTIATING THAT ADDITIONAL LOCAL UTILITY INFRASTRUCTURE DESIGN REQUIREMENTS, DIRECTLY RELATED TO THE IMPLEMENTATION OF SECTION 5.106.5.3, MAY ADVERSELY IMPACT THE CONSTRUCTION COST OF THE PROJECT.  TABLE 5.106.5.3.3
	5.106.8.2 FACING — GLARE FOR LUMINAIRES COVERED BY 5.106.8.1, IF A PROPERTY LINE ALSO EXISTS WITHIN OR EXTENDS INTO THE FRONT HEMISPHERE WITHIN 2MH OF THE LUMINAIRE THEN THE LUMINAIRE SHALL COMPLY WITH THE MORE STRINGENT GLARE RATING SPECIFIED IN TABLE 5.106.8.2 BASED ON THE LIGHTING ZONE AND DISTANCE TO THE NEAREST POINT ON THE NEAREST PROPERTY LINE WITHIN THE FRONT HEMISPHERE.  NOTES: 1. SEE ALSO CALIFORNIA BUILDING CODE, CHAPTER 12, SECTION 1205.7 FOR COLLEGE CAMPUS LIGHTING REQUIREMENTS FOR PARKING FACILITIES AND WALKWAYS. 2. REFER TO CHAPTER 8 (COMPLIANCE FORMS, WORKSHEETS AND REFERENCE MATERIAL) FOR IES TM-15-11 TABLE A1, CALIFORNIA ENERGY CODE TABLES 130.2.A AND 130.2.B. 3. REFER TO THE CALIFORNIA ENERGY CODE FOR REQUIREMENTS FOR ADDITIONS AND ALTERATIONS.  5.106.10 GRADING AND PAVING CONSTRUCTION PLANS SHALL INDICATE HOW SITE GRADING OR A DRAINAGE SYSTEM WILL MANAGE ALL SURFACE WATER FLOWS TO KEEP WATER FROM ENTERING BUILDINGS. EXAMPLES OF METHODS TO MANAGE SURFACE WATER INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: 1. SWALES. 2. WATER COLLECTION AND DISPOSAL SYSTEMS. 3. FRENCH DRAINS. 4. WATER RETENTION GARDENS. 5. OTHER WATER MEASURES WHICH KEEP SURFACE WATER AWAY FROM BUILDINGS AND AID IN GROUNDWATER RECHARGE.  EXCEPTION: ADDITIONS AND ALTERATIONS NOT ALTERING THE DRAINAGE PATH.  5.106.12 SHADE TREES [DSA-SS] SHADE TREES SHALL BE PLANTED TO COMPLY WITH SECTIONS 5.106.12.1, 5.106.12.2, AND 5.106.12.3. PERCENTAGES SHOWN SHALL BE MEASURED AT NOON ON THE SUMMER SOLSTICE. LANDSCAPE IRRIGATION NECESSARY TO ESTABLISH AND MAINTAIN TREE HEALTH SHALL COMPLY WITH SECTION 5.304.6.  5.106.12.1 SURFACE PARKING AREAS SHADE TREE PLANTINGS, MINIMUM NO. 10 CONTAINER SIZE OR EQUAL, SHALL BE INSTALLED TO PROVIDE SHADE OVER 50 PERCENT OF THE PARKING AREA WITHIN 15 YEARS.  EXCEPTIONS: THE SURFACE PARKING AREA COVERED BY SOLAR PHOTOVOLTAIC SHADE STRUCTURES, OR SHADE STRUCTURES, WITH ROOFING MATERIALS THAT COMPLY WITH TABLE AS.106.11.2.2 IN APPENDIX AS, ARE NOT INCLUDED IN THE TOTAL AREA CALCULATION.  5.106.12.2 LANDSCAPE AREAS SHADE TREE PLANTINGS, MINIMUM NO. 10 CONTAINER SIZE OR EQUAL SHALL BE INSTALLED TO PROVIDE SHADE OF 20% OF THE LANDSCAPE AREA WITHIN 15 YEARS.  EXCEPTION: PLAYFIELDS FOR ORGANIZED SPORT ACTIVITY ARE NOT INCLUDED IN THE TOTAL AREA CALCULATION.  5.106.12.3 HARDSCAPE AREAS SHADE TREE PLANTINGS, MINIMUM NO. 10 CONTAINER SIZE OR EQUAL SHALL BE INSTALLED TO PROVIDE SHADE OVER 20 PERCENT OF THE HARDSCAPE AREA WITHIN 15 YEARS.  EXCEPTION: WALKS, HARDSCAPE AREAS COVERED BY SOLAR PHOTOVOLTAIC SHADE STRUCTURES, AND HARDSCAPE AREAS COVERED BY SHADE STRUCTURES WITH ROOFING MATERIALS THAT COMPLY WITH TABLE AS.106.11.2.2 IN APPENDIX AS, ARE NOT INCLUDED IN THE TOTAL AREA CALCULATION.		L801 L802		5.106.12.1 SURFACE PARKING AREAS SHADE TREE PLANTINGS, MINIMUM NO. 10 CONTAINER SIZE OR EQUAL, SHALL BE INSTALLED TO PROVIDE SHADE OVER 50 PERCENT OF THE PARKING AREA WITHIN 15 YEARS.  EXCEPTIONS: THE SURFACE PARKING AREA COVERED BY SOLAR PHOTOVOLTAIC SHADE STRUCTURES, OR SHADE STRUCTURES, WITH ROOFING MATERIALS THAT COMPLY WITH TABLE AS.106.11.2.2 IN APPENDIX AS, ARE NOT INCLUDED IN THE TOTAL AREA CALCULATION.  5.106.12.2 LANDSCAPE AREAS SHADE TREE PLANTINGS, MINIMUM NO. 10 CONTAINER SIZE OR EQUAL SHALL BE INSTALLED TO PROVIDE SHADE OF 20% OF THE LANDSCAPE AREA WITHIN 15 YEARS.  EXCEPTION: PLAYFIELDS FOR ORGANIZED SPORT ACTIVITY ARE NOT INCLUDED IN THE TOTAL AREA CALCULATION.  5.106.12.3 HARDSCAPE AREAS SHADE TREE PLANTINGS, MINIMUM NO. 10 CONTAINER SIZE OR EQUAL SHALL BE INSTALLED TO PROVIDE SHADE OVER 20 PERCENT OF THE HARDSCAPE AREA WITHIN 15 YEARS.  EXCEPTION: WALKS, HARDSCAPE AREAS COVERED BY SOLAR PHOTOVOLTAIC SHADE STRUCTURES, AND HARDSCAPE AREAS COVERED BY SHADE STRUCTURES WITH ROOFING MATERIALS THAT COMPLY WITH TABLE AS.106.11.2.2 IN APPENDIX AS, ARE NOT INCLUDED IN THE TOTAL AREA CALCULATION.		

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P-003	5.303.3.4 FAUCETS AND FOUNTAINS 5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT 60 PSI.  5.303.3.4.4 METALLING FAUCETS METERING FAUCETS SHALL NOT DELIVER MORE THAN 0.20 GALLONS PER CYCLE.  5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 7001.1 OF THE CALIFORNIA PLUMBING CODE AND IN CHAPTER 6 OF THIS CODE.  SECTION 5.304 OUTDOOR WATER USE 5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS NONRESIDENTIAL DEVELOPMENTS SHALL COMPLY WITH A LOCAL WATER EFFICIENT LANDSCAPE ORDINANCE OR THE CURRENT CALIFORNIA DEPARTMENT OF WATER RESOURCES' MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO), WHICHEVER IS MORE STRINGENT.  NOTES: 1. THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) IS LOCATED IN THE CALIFORNIA CODE OF REGULATIONS, TITLE 23, CHAPTER 2.7, DIVISION 2. 2. MWELO AND SUPPORTING DOCUMENTS, INCLUDING A WATER BUDGET CALCULATOR, ARE AVAILABLE AT: <a href="https://www.water.ca.gov/">HTTPS:// WWW.WATER.CA.GOV/</a>  5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS FOR PUBLIC SCHOOLS AND COMMUNITY COLLEGES, LANDSCAPE PROJECTS AS DESCRIBED IN SECTIONS 5.304.6.1 AND 5.304.6.2 SHALL COMPLY WITH THE CALIFORNIA DEPARTMENT OF WATER RESOURCES MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO) COMMENCING WITH SECTION 490 OF CHAPTER 2.7, DIVISION 2, TITLE 23, CALIFORNIA CODE OF REGULATIONS, EXCEPT THAT THE EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETA/F) SHALL BE 0.65 WITH AN ADDITIONAL WATER ALLOWANCE FOR SPECIAL LANDSCAPE AREAS (SLA) OF 0.35.  EXCEPTION: ANY PROJECT WITH AN AGGREGATE LANDSCAPE AREA OF 2,500 SQUARE FEET OR LESS MAY COMPLY WITH THE PRESCRIPTIVE MEASURES CONTAINED IN APPENDIX D OF THE MWELO.  5.304.6.1 NEWLY CONSTRUCTED LANDSCAPES NEW CONSTRUCTION PROJECTS WITH AN AGGREGATE LANDSCAPE AREA EQUAL TO OR GREATER THAN 500 SQUARE FEET.  5.304.6.2 REHABILITATED LANDSCAPES REHABILITATED LANDSCAPE PROJECTS WITH AN AGGREGATE LANDSCAPE AREA EQUAL TO OR GREATER THAN 1,200 SQUARE FEET.	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	5.303.3.1 WATER CLOSETS THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.  NOTE: THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH.  5.303.3.2 URINALS 5.303.3.2.1 WALL-MOUNTED URINALS THE EFFECTIVE FLUSH VOLUME OF WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH.  5.303.3.4 FAUCETS AND FOUNTAINS 5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT 60 PSI.		P-003		5.303.3.1 WATER CLOSETS THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.  NOTE: THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH.  5.303.3.2 URINALS 5.303.3.2.1 WALL-MOUNTED URINALS THE EFFECTIVE FLUSH VOLUME OF WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH.  5.303.3.4 FAUCETS AND FOUNTAINS 5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT 60 PSI.	P-003	5.303.3.1 WATER CLOSETS THE EFFECTIVE FLUSH VOLUME OF ALL WATER CLOSETS SHALL NOT EXCEED 1.28 GALLONS PER FLUSH. TANK-TYPE WATER CLOSETS SHALL BE CERTIFIED TO THE PERFORMANCE CRITERIA OF THE U.S. EPA WATERSENSE SPECIFICATION FOR TANK-TYPE TOILETS.  NOTE: THE EFFECTIVE FLUSH VOLUME OF DUAL FLUSH TOILETS IS DEFINED AS THE COMPOSITE, AVERAGE FLUSH VOLUME OF TWO REDUCED FLUSHES AND ONE FULL FLUSH.  5.303.3.2 URINALS 5.303.3.2.1 WALL-MOUNTED URINALS THE EFFECTIVE FLUSH VOLUME OF WALL-MOUNTED URINALS SHALL NOT EXCEED 0.125 GALLONS PER FLUSH.  5.303.3.4 FAUCETS AND FOUNTAINS 5.303.3.4.1 NONRESIDENTIAL LAVATORY FAUCETS LAVATORY FAUCETS SHALL HAVE A MAXIMUM FLOW RATE OF NOT MORE THAN 0.5 GALLONS PER MINUTE AT 60 PSI.

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# 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2020, Includes August 2019 Supplement)



Instructions: This checklist is to be used on an individual project basis and may be modified by the applicant to meet the needs of their specific project. The applicant shall strike out those sections that are not applicable to their project and indicate the location of where this information is located. The applicant and property owner assume all responsibility associated with the use of this document.

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5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

- 1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.
- 2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT<sup>1,2</sup>

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
<b>SPECIALTY APPLICATIONS</b>	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
<b>SUBSTRATE SPECIFIC APPLICATIONS</b>	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

- 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, www.arb.ca.gov/DRDB/SC/CURHTMLR1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
<b>SEALANT PRIMERS</b>	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for VOC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (c)(2) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

Y N/A RESPON PARTY

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS<sup>1,2</sup>

COATING CATEGORY	CURRENT VOC LIMIT
GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS	
<b>FLAT COATINGS</b>	
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
<b>SPECIALTY COATINGS</b>	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

- 1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & 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, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

- 1. Manufacturer's product specification
- 2. Field verification of on-site product containers

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the testing and product requirements:

- 1. Carpet and Rug Institute's Green Label Plus Program.
- 2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350).
- 3. NSF/ANSI 140 at the Gold level or higher;
- 4. Scientific Certifications Systems Sustainable Choice; or
- 5. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria listed in the CHPS High Performance Product Database.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

- 1. Product certifications and specifications.
- 2. Chain of custody certifications.
- 3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
- 4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2289 or European 636 3S standards.
- 5. Other methods acceptable to the enforcing agency.

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TABLE 5.504.4.5 - FORMALDEHYDE LIMITS

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD	0.13

- 1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.
- 2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

- 1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
- 2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
- 3. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database; or
- 4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools Program).

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL  
5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY  
5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 CARBON DIOXIDE (CO<sub>2</sub>) MONITORING. For buildings or additions equipped with demand control ventilation, CO<sub>2</sub> sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

SECTION 5.507 ENVIRONMENTAL COMFORT  
5.507.4 ACUSTICAL CONTROL. Empty building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

- 1. Within the 65 CNEL noise contour of an airport.

Exceptions:

- 1. L<sub>w</sub> or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICLUZ) plan.
- 2. L<sub>w</sub> or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L<sub>dn</sub> - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toabase.org/PDF/CaseStudies/stc\_cc\_ratings.pdf.

SECTION 5.508 OUTDOOR AIR QUALITY  
5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO<sub>2</sub>), and potentially other refrigerants.

Y N/A RESPON PARTY

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connectors and short radius elbows shall not be used in refrigeration systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fourth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves Valves and fittings shall comply with the California Mechanical Code and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit over the stem are required for valves designed to have seal caps.  
Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one point pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

## CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

### 702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

- 1. State certified apprenticeship programs.
- 2. Public utility training programs.
- 3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
- 4. Programs sponsored by manufacturing organizations.
- 5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

- 1. Certification by a national or regional green building program or standard publisher.
- 2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
- 3. Successful completion of a third party apprentice training program in the appropriate trade.
- 4. Other programs acceptable to the enforcing agency.

Notes:  
1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.  
2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

### 703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

SANTA BARBARA GREEN BUILDING\_SHEET 3

QF 3

1  
GB-003

DATE	REVISION	INITIATION FOR BID
03/04/2024		

GOLETA TRAIN DEPOSIT  
27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
CITY OF GOLETA  
130 CREMONA DRIVE, STE B, GOLETA, CA 93117

CAL GREEN BUILDING NOTES SHEET 3 OF 3  
SHEET 3 OF 3



PLAN CHECK  
CIP-9079

2019-GTD  
JOB NUMBER  
SCALE  
FB SUBMITTAL

ISSUED AS  
03/04/2024

ISSUE DATE  
SHEET 006 OF 235



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**GENERAL STREET SPECIFICATIONS:**

- STANDARD SPECIFICATIONS AND STANDARD PLANS OF THE DEPARTMENT OF TRANSPORTATION, STATE OF CALIFORNIA, OF CURRENT DATE, NOT IN CONFLICT WITH DEPARTMENT OF PUBLIC WORKS PLANS AND SPECIFICATIONS, ARE INCLUDED AS DEPARTMENT OF PUBLIC WORKS STANDARD PLANS AND SPECIFICATIONS. IF THERE IS A CONFLICT BETWEEN STATE STANDARD PLANS AND SPECIFICATIONS, AND COUNTY STANDARD PLANS AND SPECIFICATIONS, AND COUNTY STANDARD DETAILS, THE COUNTY STANDARD DETAILS SHALL GOVERN ON COUNTY ROADS AND THE STATE STANDARDS ON STATE HIGHWAYS.
- CONSTRUCTION PLANS SHALL BE PREPARED IN ACCORDANCE WITH SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC WORKS ENGINEERING DESIGN STANDARDS.
- COMMENCEMENT OF CONSTRUCTION SHALL NOT BE AUTHORIZED UNTIL SUCH TIME THAT THE CONSTRUCTION PLANS HAVE BEEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS OR HIS AUTHORIZED AGENT. FOR WORK WITHIN THE TRAIN DEPOT PROPERTY, PLANS SHALL BE SUBMITTED TO CITY OF GOLETA BUILDING AND SAFETY DIVISION FOR APPROVAL.
- THE DIRECTOR OF PUBLIC WORKS SHALL BE INTERPRETED TO MEAN THE DIRECTOR OR HIS DELEGATED REPRESENTATIVES.
- UNLESS PRIOR AUTHORIZATION HAS BEEN GRANTED BY THE DEPARTMENT OF PUBLIC WORKS, ALL VERTICAL DATUM SHALL BE BASED ON NAVD 88 DATUM, AND HORIZONTAL COORDINATES BASED ON NAD 83 DATUM.
- THE ENGINEER FOR THE OWNER, DEVELOPER OR SUBDIVIDER SHALL BE HELD RESPONSIBLE FOR THE GRADE STAKES BEING PLACED AT THEIR CORRECT LOCATIONS AND ELEVATIONS, PROPERLY MARKED, FOR USE IN THE DETERMINATION OF THE PROPER LOCATION AND GRADE OF CONSTRUCTION.
- INSPECTION AND APPROVAL BY THE DIRECTOR OF PUBLIC WORKS SHALL BE REQUESTED BY THE CONTRACTOR IMMEDIATELY PRIOR TO COMMENCING AND IMMEDIATELY AFTER COMPLETING EACH PHASE OF CONSTRUCTION.
- UTILITIES CONSTRUCTED UNDERGROUND SHALL BE STUBBED OUT TO THE PROPERTY LINES AT EACH LOT, AND TO EACH TRACT LINE AT END OR STUB STREETS OR THROUGH STREETS UNDER CONSTRUCTION, TRENCHES SHALL BE BACKFILLED, TESTED FOR COMPACTION, LEAK-TESTED, AND INSPECTED BY THE UTILITY COMPANY AND THE COUNTY ENGINEER BEFORE BASE, PAVING AND OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE.
- STORM DRAIN PIPE SHALL CONFORM TO THE REQUIREMENTS OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, OF CURRENT DATE AND SHALL BE THE CLASS INDICATED ON THE PLANS. THE CONTRACTOR SHALL SUBMIT TO THE DIRECTOR OF PUBLIC WORKS CERTIFIED COPIES OF STRENGTH TESTS FOR CULVERT PIPE, PRIOR TO THEIR INSTALLATION.
- TRENCH BEDDING AND BACKFILL FOR ALL STORM DRAINS, CULVERTS AND UTILITY TRENCHING SHALL COMPLY WITH THE DETAILS OF SECTION 2 OF THE COUNTY OF SANTA BARBARA.
- GRADING SHALL BE COMPLETED TO WITHIN 0.05 FEET OF FINISH SUBGRADE, TESTED FOR COMPACTION AND APPROVED BEFORE BASE, PAVING, OR ANY OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE. THE PAVING SUBGRADE SHALL BE FIRM, HARD AND UNYIELDING IMMEDIATELY PRIOR TO PLACEMENT OF PERMANENT SURFACING. THE STANDARD TEST FOR MAXIMUM DENSITY AND OPTIMUM MOISTURE CONTENT SHALL BE ASTM D 1557-12 METHOD "A", "B", "C", OR "D". FIELD TEST FOR IN-PLACE DENSITY AND MOISTURE CONTENT SHALL BE ASTM D 6938-17.
- AGGREGATE SUB-BASE SHALL CONFORM TO THE PROVISIONS OF THE STANDARD SPECIFICATIONS, CALIFORNIA DEPARTMENT OF TRANSPORTATION, AND SHALL BE PLACED IN ACCORDANCE WITH THE APPROVED STRUCTURAL SECTIONS. CLASS 1, 2, AND 3 AGGREGATE SUB-BASE SHALL CONFORM WITH CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS OF CURRENT DATE.
- AGGREGATE BASE SHALL CONFORM TO THE PROVISIONS OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS OF CURRENT DATE, AND SHALL BE COMPACTED TO 95% MIN. RELATIVE COMPACTION.
- PAVING SECTION SHALL BE AS SHOWN ON SHEET-201. THE UPPER 12" OF PAVEMENT SUBGRADE AND CLASS 2 AGGREGATE BASE SHALL BE COMPACTED TO 95% MIN. RELATIVE COMPACTION.
- CURBS, GUTTERS, DRIVEWAYS, SIDEWALKS, ROADWAYS, ETC., SHALL BE CONSTRUCTED IN ACCORDANCE WITH SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS AND SPECIFICATIONS OF CURRENT DATE.
- CURBS, GUTTERS, SIDEWALKS, STREETS AND OTHER CONCRETE CONSTRUCTION AREAS SHALL BE CLEARED OF ALL FORMS AND DELETERIOUS SUBSTANCES AND BACKFILLED PRIOR TO FINAL INSPECTION.
- CLASS A AND CLASS B PORTLAND CEMENT CONCRETE SHALL CONFORM WITH CALIFORNIA DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS OF CURRENT DATE. CLASS A AND CLASS B PORTLAND CEMENT CONCRETE SHALL BE NOTED AS CLASS A AND CLASS B CONCRETE IN THESE DETAILS. MAXIMUM PENETRATION SHALL BE 2" FOR UNREINFORCED CONCRETE, AND 3" FOR REINFORCED CONCRETE PER CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS OF CURRENT DATE.
- WHEN THE TOTAL COMPACTED THICKNESS OF ASPHALT CONCRETE IS SHOWN ON THE PLANS TO BE LESS THAN 0.25 FOOT, ASPHALT CONCRETE SHALL BE SPREAD AND COMPACTED IN ONE LAYER. ALL OTHER ASPHALT CONCRETE SHALL BE SPREAD AND COMPACTED IN LAYERS. THE TOP LAYER OF ASPHALT CONCRETE SHALL BE NOT MORE THAN 0.20 FOOT NOR LESS THAN 0.15 FOOT IN COMPACTED THICKNESS. THE NEXT LOWER LAYER SHALL BE NOT MORE THAN 0.25 FOOT NOR LESS THAN 0.15 FOOT IN COMPACTED THICKNESS UNLESS THE TOTAL THICKNESS IS SHOWN ON THE PLANS TO BE LESS THAN 0.30 FOOT, AND ANY LOWER LAYERS SHALL BE NOT LESS THAN 0.15 FOOT NOR MORE THAN 0.40 FOOT IN COMPACTED THICKNESS. ASPHALT CONCRETE BASE SHALL BE SPREAD AND COMPACTED IN ONE OR MORE LAYERS. EACH LAYER SHALL NOT EXCEED 0.40 FOOT IN COMPACTED THICKNESS. THE MINIMUM THICKNESS WHEN USING PAVEMENT REINFORCING FABRIC SHALL BE 0.15 FOOT. ASPHALT CONCRETE FOR OVERLAY SECTIONS SHALL BE CONSTRUCTED WITH 1/2 INCH MAXIMUM AGGREGATE WITH MEDIUM GRADING. PAINT BINDER (ASPHALT EMULSION) SHALL BE REQUIRED BETWEEN EACH COURSE OF ASPHALT CONCRETE EXCEPT AS MAY BE PERMITTED BY THE DEPARTMENT OF PUBLIC WORKS IN CONTINUOUS PAVING OPERATIONS.
- ALL ASPHALT PAVING SHALL BE FOG SEALED IN CONFORMANCE WITH THE STATE STANDARD SPECIFICATIONS OF CURRENT DATE, MODIFIED TO CONFORM TO COUNTY SPECIFICATIONS USED FOR ITS FOG SEAL PROGRAM OF CURRENT DATE. SAID FOG SEALING SHALL EITHER BE: A) BONDED FOR AND CONSTRUCTED AFTER SIX MONTHS AND PRIOR TO ONE YEAR FROM DATE OF ACCEPTANCE, OR B) A PAYMENT SHALL BE MADE TO THE COUNTY BASED ON THE COUNTY'S COST TO CONSTRUCT THE FOG SEAL. PAYMENT TO BE MADE PRIOR TO ROAD EXCAVATION PERMIT ISSUANCE.
- PUBLIC ROADS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TYPICAL SECTIONS SHOWN ON SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS OF CURRENT DATE, UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- STREET NAME SIGNS, BARRICADES, TRAFFIC CONTROL AND TRAFFIC WARNING SIGNS SHALL BE PLACED IN ACCORDANCE WITH SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD DETAILS OF CURRENT DATE, THE STATE TRAFFIC MANUAL WITH CURRENT REVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- ROUGH GRADE STAKES SHALL BE SET AS REQUIRED FOR ADEQUATE CONTROL OF PRIMARY ROADWAY GRADING OPERATIONS. FINAL GRADE STAKES SHALL BE SET AT NOT GREATER THAN 50' INTERVALS AND AT BC'S, EC'S, PT'S, CHANGES IN GRADE OR ALIGNMENT, AND AT OTHER POINTS OF CONTROL.
- WATER FOR COMPACTION AND DUST CONTROL SHALL BE MADE AVAILABLE WITHIN THE BOUNDARIES OF THE TRACT PRIOR TO STARTING ANY EARTH MOVING OPERATIONS, OTHER THAN THAT NECESSARY FOR THE INSTALLATION OF SUBJECT WATER SOURCE.
- PRIVATE IMPROVEMENT OR CONSTRUCTION SHALL NOT COMMENCE UNTIL AN EXCAVATION PERMIT HAS BEEN ISSUED BY THE DIRECTOR OF PUBLIC WORKS.
- WITH APPROVAL OF THE COUNTY MATERIALS ENGINEER, TEST METHOD ASTM D 1557-12 MAY BE MODIFIED TO ALLOW THE USE OF CALIFORNIA TEST METHOD 370, METHOD OF DETERMINING MOISTURE CONTENT OF ASPHALT MIXTURES OR MINERAL AGGREGATE USING MICROWAVE OVENS, WHEN DETERMINING MOISTURE CONTENT OF GRANULAR SOILS IN LIEU OF OVEN DRYING PER ASTM D 2216-12.
- ALL REINFORCING STEEL SHALL BE ASTM A 615, GRADE 60 UNLESS OTHERWISE NOTED.
- ALL STRUCTURE STEEL SHALL BE ASTM A 36 UNLESS OTHERWISE NOTED.
- EXPANSIVE SOILS ARE DEFINED AS THOSE SOILS HAVING AN "r" VALUE OF LESS THAN 10. THEY ARE COMPOSED OF HIGH CLAY CONTENT AND EXPAND WITH MOISTURE.
- CONTACT DIGALERT (811) 48 HOURS PRIOR TO EXCAVATING.

**GOLETA WATER DISTRICT GENERAL SPECIFICATIONS:**

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, CONSTRUCTION AND SAFETY ORDERS.
- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WITH FACILITIES IN THE CONSTRUCTION AREA A MINIMUM OF 48 HOURS PRIOR TO COMMENCING CONSTRUCTION. CALL UNDERGROUND SERVICE ALERT (USA) AT 1-800-422-4133.
- THE TERM "GWD MANAGER" SHALL BE INTERPRETED TO MEAN THE GOLETA WATER DISTRICT GENERAL MANAGER OR HIS OR HER AUTHORIZED AGENT.
- COMMENCEMENT OF CONSTRUCTION SHALL NOT BEGIN UNTIL SUCH TIME THAT ALL PLANS ARE SIGNED BY GWD, ALL REQUIRED EASEMENTS TO GWD ARE GRANTED, SURETY BONDS AND CERTIFICATES OF INSURANCE ARE ON FILE WITH GWD, AND ALL REQUIRED CONSTRUCTION PERMITS HAVE BEEN ISSUED.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE PROJECT DESIGN ENGINEER SHALL ARRANGE FOR AND CONDUCT A PRE-CONSTRUCTION MEETING INCLUDING THE GOLETA WATER DISTRICT'S REPRESENTATIVE, THE CONTRACTOR, OWNER'S REPRESENTATIVE AND ANY OTHER APPROPRIATE REPRESENTATIVES. THE CONTRACTOR SHALL NOT COMMENCE CONSTRUCTION OF WATER SYSTEM IMPROVEMENTS UNTIL THE CONTRACTOR RECEIVES AN EXPLICIT WRITTEN NOTICE TO PROCEED FROM THE GOLETA WATER DISTRICT.
- BARRICADES, TRAFFIC CONTROL, AND WARNING SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE CURRENT CALTRANS TRAFFIC MANUAL AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CONTRACTOR SHALL VERIFY EXISTING GAS, WATER, RECYCLED WATER, SEWER, ELECTRIC, COMMUNICATIONS, CATV, AND STORM DRAIN SIZE, LOCATION, AND ELEVATIONS WITHIN THE PROJECT AREA PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE GWD MANAGER AND THE PROJECT DESIGN ENGINEER OF ANY POTENTIAL CONFLICTS BETWEEN EXISTING FACILITIES AND CONSTRUCTION OF NEW IMPROVEMENTS. CONTRACTOR SHALL NOTIFY DISTRICT IN WRITING 48 HOURS IN ADVANCE OF CONSTRUCTION OF SEWER, STORM DRAIN, AND/OR RECYCLED WATER FACILITIES. POTABLE WATER SYSTEM WILL NOT BE ACTIVATED UNTIL ALL UNDERGROUND UTILITIES ARE INSTALLED.
- CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH, MATERIAL AND SIZE OF EXISTING WATER LINES AT POINTS OF PROPOSED CONNECTION. IF PIPE DATA IS MISREPRESENTED ON PLANS, THE PROJECT DESIGN ENGINEER SHALL BE NOTIFIED IMMEDIATELY AND NO CONNECTION SHALL BE MADE TO THE WATER SYSTEM AT THAT POINT UNTIL APPROVAL FROM THE PROJECT DESIGN ENGINEER IS RECEIVED BY THE CONTRACTOR.
- WATER LINES, FIRE HYDRANTS, AND SERVICE STUBS SHALL BE INSTALLED AS SHOWN ON THE PLANS UNLESS OTHERWISE APPROVED BY THE PROJECT DESIGN ENGINEER AND THE DISTRICT IN WRITING. WATER LINES SHALL BE INSTALLED AFTER SEWER LINES AND SHALL MEET THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION AS SPECIFIED IN THE GWD STANDARD DETAIL 2-01.
- A COMPLETE SET OF DRAWINGS SHALL BE KEPT AND MAINTAINED AT THE SITE BY THE CONTRACTOR AT ALL TIMES DURING CONSTRUCTION. ALL UTILITY CROSSINGS SHALL BE HIGHLIGHTED ON PLAN VIEW AND ALSO SHOWN IN PROFILE VIEW. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF RED-LINED CONSTRUCTION DRAWINGS SHOWING THE CONSTRUCTION WHICH HAS BEEN PERFORMED, INCLUDING CONSTRUCTION WHICH IS DIFFERENT FROM OR NOT SHOWN ON ORIGINAL SIGNED DRAWINGS. THIS SHALL INCLUDE DIMENSIONS, AND IDENTIFICATION NUMBERS FOR VALVES AND EQUIPMENT. EXACT DIMENSION SHALL ALSO BE PROVIDED FOR ALL UTILITY CROSSINGS. THE PROJECT DESIGN ENGINEER SHALL INCORPORATE THE RED-LINES INTO A FINAL SET OF DRAWINGS WITH THE WORDS "RECORD DRAWING" PRINTED ON EACH SHEET ALONG WITH THE DATE OF PREPARATION. THE COMPLETED SET OF DRAWINGS SHALL BE SUBMITTED FOR REVIEW BEFORE CREATION OF FINAL MYLARS, WHICH SHALL BE SIGNED BY THE PROJECT DESIGN ENGINEER ONCE HE/SHE HAS VERIFIED RED-LINES IN THE FIELD.
- WORK PERTAINING TO WATER FACILITIES CONSTRUCTION SHALL BE PERFORMED BY A CONTRACTOR POSSESSING A VALID CLASS "A" OR OTHER APPROPRIATE CLASS STATE OF CALIFORNIA CONTRACTORS LICENSE.
- ALL MATERIALS SHALL CONFORM TO THE LATEST AWWA AND ASTM STANDARDS AND NSF STANDARDS 60 AND 61. CATHODIC PROTECTION MUST BE PROVIDED FOR ALL METALLIC PIPELINES AND TANKS AS DIRECTED BY GWD ON A PROJECT-SPECIFIC BASIS.
- TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND GWD STANDARDS AND SPECIFICATIONS.
- COMPACTION TESTS SHALL BE REQUIRED ON ALL WORK UNLESS EXPLICITLY WAIVED IN WRITING BY THE GWD CHIEF ENGINEER. THE TESTS SHALL COMPLY WITH ASTM D1557 AND SHALL BE MADE BY A CERTIFIED SOILS TESTING SERVICE. ALL SOILS TESTS SHALL BE PERFORMED AT THOSE LOCATIONS SPECIFIED BY GWD. HOWEVER, AT LEAST ONE (1) TEST SHALL BE PERFORMED EVERY 300 LINEAL FEET OF PIPE INSTALLED AND AT LEAST ONE (1) TEST PER JOB UNLESS WAIVED BY THE GWD. THE LOCATION OF THE TESTS SHALL BE DETERMINED BY GWD. COMPACTION TEST RESULTS SHALL BE PROVIDED TO GWD WITHIN THREE (3) WORKING DAYS FOLLOWING COMPLETION OF TEST.
- ALL PAVING AND REPAVING WORK PERFORMED IN CONJUNCTION WITH WATER FACILITIES CONSTRUCTION SHALL CONFORM WITH THE APPLICABLE CITY OF GOLETA OR SANTA BARBARA COUNTY STANDARDS AND SPECIFICATIONS.
- DURING CONSTRUCTION, A #12 COPPER INSULATED TRACER WIRE SHALL BE INSTALLED ALONG THE TOP OF ANY NON-METALLIC WATER MAIN. THE INSULATED TRACER WIRE SHALL BE GROUNDED WITH A 1/4" DIAMETER BY 36" LENGTH SOLID COPPER ROD USING PROPER CONNECTION FITTINGS. GROUNDING RODS SHALL BE PLACED AT EVERY JOINT TO ENSURE GOOD CONTINUITY. ALL SERVICE LINES, INCLUDING COMBINATION AIR VALVE AND END DRAIN RUN OUTS, SHALL ALSO BE CONNECTED TO THE INSULATED TRACER WIRE USING PROPER CONNECTION FITTINGS. THE INSULATED TRACER WIRE SHALL BE BROUGHT TO THE FINISHED SURFACE AT EACH VALVE BOX OR VALVE BOX CLUSTER. AFTER CONSTRUCTION IS COMPLETED, GWD WILL TEST ALL WATER MAINS, SERVICE LINES, COMBINATION AIR VALVES, AND END DRAINS TO ENSURE CONTINUITY BEFORE ACCEPTING OWNERSHIP OF THE WATER DEVELOPER SYSTEM. IF AT ANY TIME THERE IS A BREAK OF CONTINUITY DURING THE TEST, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO DIG UP THE PROBLEM AREA AND MAKE REPAIRS AS NEEDED. ONCE ALL REPAIRS HAVE BEEN COMPLETED, GWD WILL RE-TEST FOR CONTINUITY. GROUNDING RODS SHALL BE PLACED ADJACENT TO THE INSIDE BRANCH OF A TEE.
- A FOUR MIL BLUE PLASTIC/METALLIC TAPE MARKED "CAUTION-BURIED POTABLE WATER LINE" SHALL BE INSTALLED TWO FEET ABOVE TOP OF CONSTRUCTED POTABLE WATER MAIN.
- ALL WATER SYSTEM IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST GWD STANDARDS AND SPECIFICATIONS POSTED AT [HTTP://GOLETAWATER.COM/DOCUMENTS](http://goletawater.com/documents).
- A MINIMUM COVER FOR WATER LINES IS AS FOLLOWS:  

POTABLE WATER LINES	MINIMUM COVER
SIZE OF PIPE	
LESS THAN 12 INCHES	36 INCHES
12 INCHES TO 24 INCHES	42 INCHES
GREATER THAN 24 INCHES	PER PLANS
- ALL WATER LINE IMPROVEMENTS AND EXTENSIONS SHALL BE DISINFECTED PER GWD STANDARDS AND SPECIFICATIONS BEFORE BEING PLACED IN SERVICE. A VALVE SHALL BE INSTALLED IN THE CLOSED POSITION AT THE CONNECTION POINT TO THE EXISTING GWD WATER SYSTEM. THE VALVE SHALL BE OPERATED BY GWD PERSONNEL ONLY.
- ALL WATER LINE IMPROVEMENTS AND EXTENSIONS SHALL BE PRESSURE TESTED PER GWD STANDARDS AND SPECIFICATIONS AFTER DISINFECTION.
- ALL WATER METERS, FIRE HYDRANTS, AND WATERLINE APPURTENANCES SHALL BE LOCATED A MINIMUM OF 3 FEET OUTSIDE OF CURB RETURNS (BCR/ECR), DRIVEWAY TOP OF X, AND ALL VERTICAL OBSTRUCTIONS SUCH AS STREET LIGHTS AND STREET SIGNS. METERS SHALL BE LOCATED A MINIMUM OF 5 FEET AWAY FROM DRAINAGE SWALES. WHERE A NEW WATER LINE IS BEING INSTALLED, SERVICE STUBS SHALL BE INSTALLED FOR EACH LOT TO BE SERVED BY THE NEW MAIN.
- CONTRACTOR SHALL SUBMIT IN WRITING TO THE DISTRICT ALL PROPOSED SHUT-DOWNS OF EXISTING IN-SERVICE WATER LINES FOR MAKING CONNECTIONS OF NEW WATER LINES A MINIMUM OF 10 WORKING DAYS PRIOR TO THE PROPOSED DATE OF SHUT-DOWN. THE DISTRICT SHALL DETERMINE THE ACTUAL DATE AND TIME OF ANY AND ALL SHUT-DOWNS. PIT TO BE PREPARED BY CONTRACTOR. CUT-IN CONNECTION WORK TO BE PERFORMED BY DISTRICT. REFERENCE SPEC SECTION 15052. THE CONTRACTOR SHALL PROVIDE THE EXCAVATION FOR DISTRICT FORCES TO MAKE CONNECTION.
- AFTER CONSTRUCTION OF WATER SYSTEM IMPROVEMENTS, ALL NEW FIRE HYDRANTS SHALL BE FLOW TESTED FOR COMPLIANCE WITH SANTA BARBARA COUNTY FIRE DEPARTMENT AND GWD REQUIREMENTS. TESTING SHALL BE PERFORMED USING GAUGES AND METHODS ACCEPTABLE TO GWD AND THE FIRE DEPARTMENT. A REPRESENTATIVE OF THE DISTRICT AND FIRE DEPARTMENT SHALL BE PRESENT DURING THE TEST.
- VALVES AT SERVICE LINE CONNECTIONS TO MAINS SHALL BE UP AGAINST MAINS AND SHALL MOUNT DIRECTLY TO TAPPING SLEEVES OR TIE-IN CONNECTION. THERE SHALL BE NO SPOOLS BETWEEN VALVES AND TIE-IN POINTS.
- ALL ORGANIC WASTE GENERATED BY PROJECT SHALL BE DISPOSED AT GWD APPROVED OFFSITE LOCATION AT CONTRACTOR'S EXPENSE.
- ALL BACKFLOW DEVICES SHALL BE LEAD-FREE AND INSTALLED AS CLOSE TO THE METER AS POSSIBLE.

**LEGEND:**

NOTE: ALL EXISTING ITEMS ARE SCREENED

	CONCRETE SIDEWALK
	AC PAVEMENT IN PARKING AREAS
	AC PAVEMENT IN DRIVE AREAS
	BUS TURNAROUND AREA
	DECORATIVE PAVEMENT
	EMERGENCY ACCESS AREA
	BIORETENTION
	SLURRY SEAL
	DETECTABLE WARNING SURFACE
	DECOMPOSED GRANITE SURFACE
	CENTERLINE
	RIGHT OF WAY
	CURB
	CURB & GUTTER
	CHAINLINK FENCE
	METAL HAND RAILING
	LIMITS OF DEMOLITION
	STORM DRAIN AND AREA DRAIN
	GAS
	COMM UNDER
	POWER
	SD
	SS
	W
	SS
	FW
	EXIST. CHAINLINK FENCE
	EXIST. OVERHEAD WIRE
	EXIST. UNDERGROUND ELECTRIC
	EXIST. UNDERGROUND GAS LINE
	EXIST. UNDERGROUND WATER LINE
	EXIST. STORM DRAIN
	EXIST. SANITARY SEWER
	FIRE HYDRANT
	GATE VALVE
	FIRE DEPARTMENT CONNECTION
	DOUBLE DETECTOR CHECK
	LIGHTING (PEDESTRIAN)
	LIGHTING (PARKING)
	EXIST. WATER METER
	EXIST. CLEAN OUT
	EXIST. SIGN
	EXIST. SANITARY SEWER MANHOLE
	EXIST. STORM DRAIN MANHOLE
	EXIST. ELECTRIC MANHOLE
	EXIST. WATER VALVE
	EXIST. FIRE HYDRANT

**LEGEND (CONT'D):**

	EXIST. POWER POLE
	EXIST. GUY WIRE
	EXIST. ELECTRIC PULL BOX
	EXIST. LIGHT STANDARD ON CONCRETE BASE
	EXIST. COMMUNICATIONS MANHOLE

**ABBREVIATIONS:**

(XX.XX)	EXISTING ELEVATION
XX.XX	PROPOSED ELEVATION
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
ADA	AMERICANS WITH DISABILITIES ACT
BCR	BEGIN CURB RETURN
CF	CURB FACE
C/L	CENTERLINE
ECR	END CURB RETURN
EG	EXISTING GROUND
ELEC	ELECTRICITY CONDUIT
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
EXIST.	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISHED FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISH SURFACE
GB	GRADE BREAK
GV	GATE VALVE
GW	GUIDE WIRE
HMA	HOT MIX ASPHALT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
LOSSAN	LOS ANGELES - SAN DIEGO - SAN LUIS OBISPO RAIL CORRIDOR
LT	LEFT
MBD	METAL BOLLARD
MC	MOUNTABLE CURB
MH	MANHOLE
MIN	MINIMUM
MUTCOD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
OC	ON CENTER
PB	PULLBOX
PED	PEDESTRIAN
P/L	PROPERTY LINE
POC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
R	RADIUS
RR	RAILROAD
R/W	RIGHT-OF-WAY
SCRRRA	SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY
SD	STORM DRAIN PIPE
SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
SS	SANITARY SEWER
STA	STATION
TC	TOP OF CURB
TG	TOP OF GRATE
TYP.	TYPICAL
TW	TOP OF WALL
UPRR	UNION PACIFIC RAILROAD
VC	VERTICAL CURVE
WV	WATER VALVE



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DATE	03/04/2024
ISSUE FOR BID	
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E	

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE G, GOLETA, CA 93117

**GENERAL NOTES**



PLAN CHECK #CIP-9079  
**C-001**  
 2019-GTD  
 JOB NUMBER  
 NO SCALE  
 CITY  
 RESUBMITTAL  
 ISSUED AS  
 03/04/24  
 ISSUE DATE  
 SHEET 008 OF 235





**WATER GENERAL NOTES:**

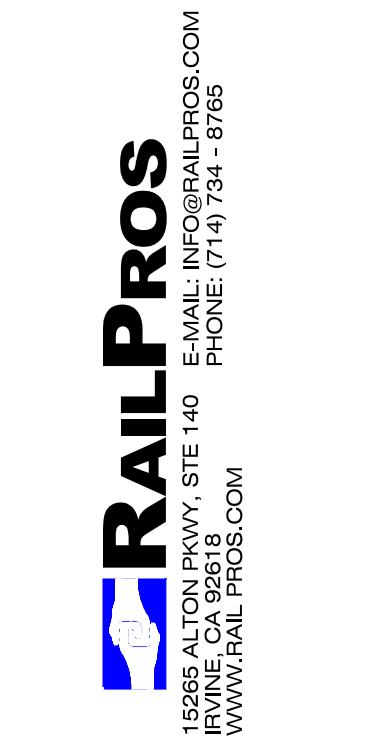
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3. THE TERM "GWD MANAGER" SHALL BE INTERPRETED TO MEAN THE GOLETA WATER DISTRICT GENERAL MANAGER OR HIS OR HER AUTHORIZED AGENT.
4. COMMENCEMENT OF CONSTRUCTION SHALL NOT BEGIN UNTIL SUCH TIME THAT ALL PLANS ARE SIGNED BY GWD, ALL REQUIRED EASEMENTS TO GWD ARE GRANTED, SURETY BONDS AND CERTIFICATES OF INSURANCE ARE ON FILE WITH GWD, AND ALL REQUIRED CONSTRUCTION PERMITS HAVE BEEN ISSUED.
5. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE PROJECT DESIGN ENGINEER SHALL ARRANGE FOR AND CONDUCT A PRE-CONSTRUCTION MEETING INCLUDING THE GOLETA WATER DISTRICT'S REPRESENTATIVE, THE CONTRACTOR, OWNER'S REPRESENTATIVE AND ANY OTHER APPROPRIATE REPRESENTATIVES. THE CONTRACTOR SHALL NOT COMMENCE CONSTRUCTION OF WATER SYSTEM IMPROVEMENTS UNTIL THE CONTRACTOR RECEIVES AN EXPRESS WRITTEN NOTICE TO PROCEED FROM THE GOLETA WATER DISTRICT.
6. BARRICADES, TRAFFIC CONTROL, AND WARNING SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE CURRENT CALTRANS TRAFFIC MANUAL AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
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16. DURING CONSTRUCTION, A #12 COPPER INSULATED TRACER WIRE SHALL BE INSTALLED ALONG THE TOP OF ANY NON-METALLIC WATER MAIN. THE INSULATED TRACER WIRE SHALL BE GROUNDED WITH A 1/2" DIAMETER BY 36" LENGTH SOLID COPPER ROD USING PROPER CONNECTION FITTINGS. GROUNDING RODS SHALL BE PLACED AT EVERY JUNCTION TO ENSURE GOOD CONTINUITY. ALL SERVICE LINES, INCLUDING COMBINATION AIR VALVE AND END DRAIN RUN OUTS, SHALL ALSO BE CONNECTED TO THE INSULATED TRACER WIRE USING PROPER CONNECTION FITTINGS. THE INSULATED TRACER WIRE SHALL BE BROUGHT TO THE FINISHED SURFACE AT EACH VALVE BOS OR VALVE BOX CLUSTER. AFTER CONSTRUCTION IS COMPLETED, GWD WILL TEST ALL WATER MAINS, SERVICE LINES, COMBINATION AIR VALVES, AND END DRAINS TO ENSURE CONTINUITY BEFORE ACCEPTING OWNERSHIP OF THE WATER DEVELOPER SYSTEM. IF AT ANY TIME THERE IS A BREAK OF CONTINUITY DURING THE TEST, IT WILL BE THE CONTRACTORS RESPONSIBILITY TO DIG UP THE PROBLEM AREA AND MAKE REPAIRS AS NEEDED. ONCE ALL REPAIRS HAVE BEEN COMPLETED, GWD WILL RE-TEST FOR CONTINUITY. GROUNDING RODS SHALL BE PLACED ADJACENT TO THE INSIDE BRANCH OF A TEE.
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20. ALL WATER LINE IMPROVEMENTS AND EXTENSIONS SHALL BE DISINFECTED PER GWD STANDARDS AND SPECIFICATIONS BEFORE BEING PLACED IN SERVICE. A VALVE SHALL BE INSTALLED IN THE CLOSED POSITION AT THE CONNECTION POINT TO THE EXISTING GWD WATER SYSTEM. THE VALVE SHALL BE OPERATED BY GWD PERSONNEL ONLY.
21. ALL WATER LINE IMPROVEMENTS AND EXTENSIONS SHALL BE PRESSURE TESTED PER GWD STANDARDS AND SPECIFICATIONS AFTER DISINFECTION.
22. ALL WATER METERS, FIRE HYDRANTS, AND WATERLINE APPURTENANCES SHALL BE LOCATED A MINIMUM OF 3 FEET OUTSIDE OF CURB RETURNS (BOR/ECR), DRIVEWAY TOP OF X, AND ALL VERTICAL OBSTRUCTIONS SUCH AS STREET LIGHTS AND STREET SIGNS. METERS SHALL BE LOCATED A MINIMUM OF 5 FEET AWAY FROM DRAINAGE SWALES. WHERE A NEW WATER LINE IS BEING INSTALLED, SERVICE STUBS SHALL BE INSTALLED FOR EACH LOT TO BE SERVED BY THE NEW MAIN.
23. CONTRACTOR SHALL SUBMIT IN WRITING TO THE DISTRICT ALL PROPOSED SHUT-DOWNS OF EXISTING IN-SERVICE WATER LINES FOR MAKING CONNECTIONS OF NEW WATER LINES A MINIMUM OF 10 WORKING DAYS PRIOR TO THE PROPOSED DATE OF SHUT-DOWN. THE DISTRICT SHALL DETERMINE THE ACTUAL DATE AND TIME OF ANY AND ALL SHUT-DOWNS. PIT TO BE PREPARED BY CONTRACTOR. CUT-IN CONNECTION WORK TO BE PERFORMED BY DISTRICT. REFERENCE SPEC SECTION 15052. THE CONTRACTOR SHALL PROVIDE THE EXCAVATION FOR DISTRICT FORCES TO MAKE CONNECTION.
24. AFTER CONSTRUCTION OF WATER SYSTEM IMPROVEMENTS, ALL NEW FIRE HYDRANTS SHALL BE FLOW TESTED FOR COMPLIANCE WITH SANTA BARBARA COUNTY FIRE DEPARTMENT AND GWD REQUIREMENTS. TESTING SHALL BE PERFORMED USING GAUGES AND METHODS ACCEPTABLE TO GWD AND THE FIRE DEPARTMENT. A REPRESENTATIVE OF THE DISTRICT AND FIRE DEPARTMENT SHALL BE PRESENT DURING THE TEST.
25. VALVES AT SERVICE LINE CONNECTIONS TO MAINS SHALL BE UP AGAINST MAINS AND SHALL MOUNT DIRECTLY TO TAPPING SLEEVES OR TIE-IN CONNECTION. THERE SHALL BE NO SPOOLS BETWEEN VALVES AND TIE-IN POINTS.
26. ALL ORGANIC WASTE GENERATED BY PROJECT SHALL BE DISPOSED AT GWD APPROVED OFFSITE LOCATION AT CONTRACTOR'S EXPENSE.
27. ALL BACKFLOW DEVICES SHALL BE LEAD-FREE AND INSTALLED AS CLOSE TO THE METER AS POSSIBLE.

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**GOLETA TRAIN DEPOT**  
27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
**CITY OF GOLETA**  
130 CREMONA DRIVE, STE B, GOLETA, CA 93117

General Notes



PLAN CHECK #CIP-9079

C-002

2019-GTD  
JOB NUMBER  
SCALE  
CITY  
RESUBMITTAL  
ISSUED AS  
03/04/24  
ISSUE DATE  
SHEET 009 OF 235

ISSUE FOR BID 03-04-2024

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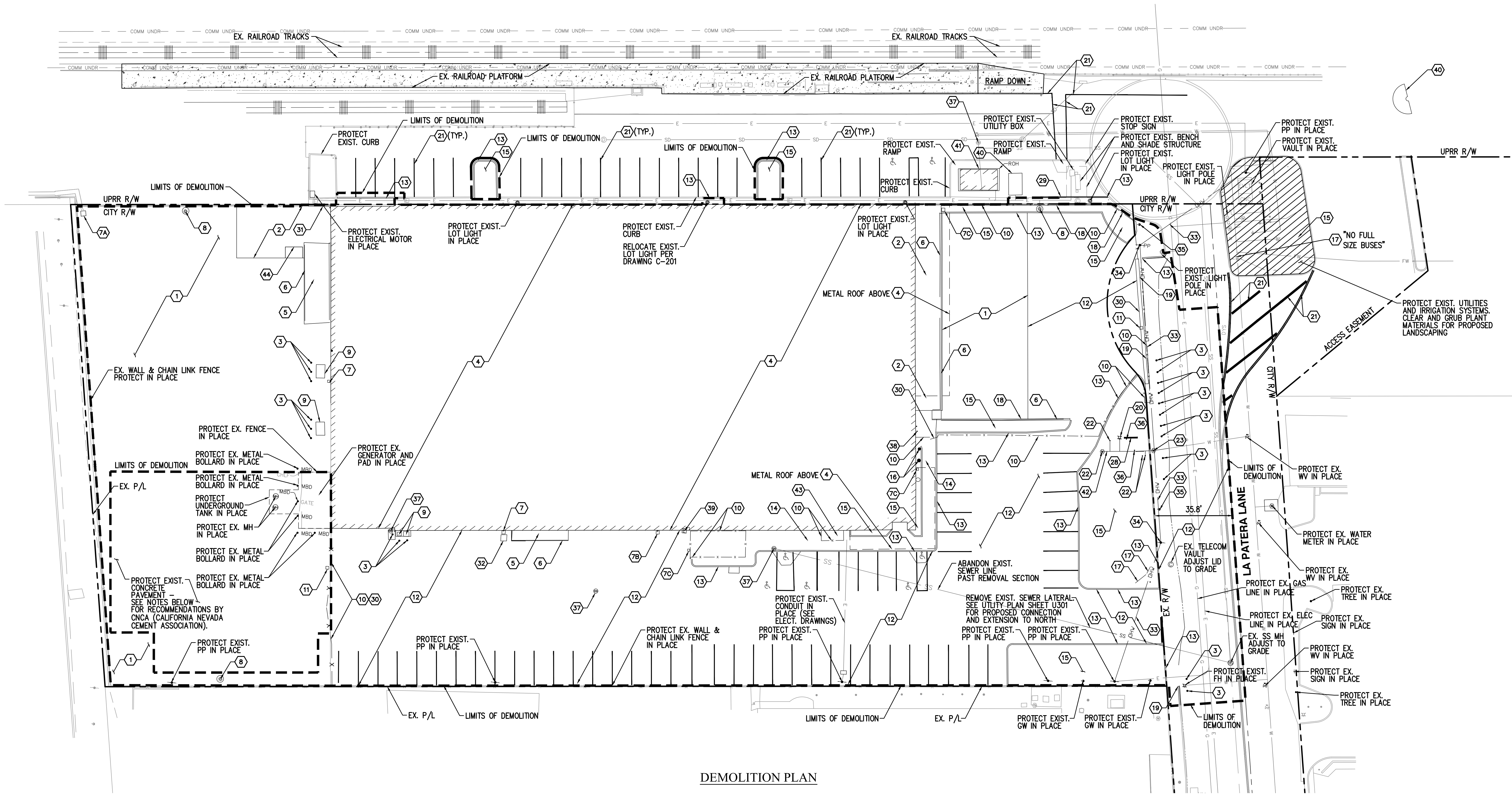
**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**DEMOLITION PLAN**



PLAN CHECK #CIP-9079  
**C-101**  
 2019-GTD  
 JOB NUMBER  
 SCALE 1" = 20'-0"  
 CITY RESUBMITTAL  
 ISSUED AS 1-800 227-2600  
 03/04/24  
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 SHEET 010 OF 235

ISSUE FOR BID 03-04-2024



DEMOLITION PLAN

**GENERAL NOTES:**

- CONTRACTOR TO VERIFY IN THE FIELD ANY UTILITY AND OTHER ITEMS LISTED ON THE PLANS.
- CONTRACTOR TO REVIEW TECHNICAL SPECIFICATIONS FOR ADDITIONAL REMOVAL INSTRUCTIONS.
- CONTACT DIGALERT (811) 48 HOURS PRIOR TO EXCAVATING.
- SEE L101 FOR "SITE PLAN - AERIAL" INCLUDING OVERALL GROUND LEVEL CONSTRUCTION PLAN.
- SEE AS-BUILTS. CONTRACTOR TO BECOME FAMILIAR WITH AS-BUILT DRAWINGS PRIOR TO BIDDING AND NTP.

**CONCRETE PAVEMENT PRESERVATION RECOMMENDATIONS PER (CNCA):**

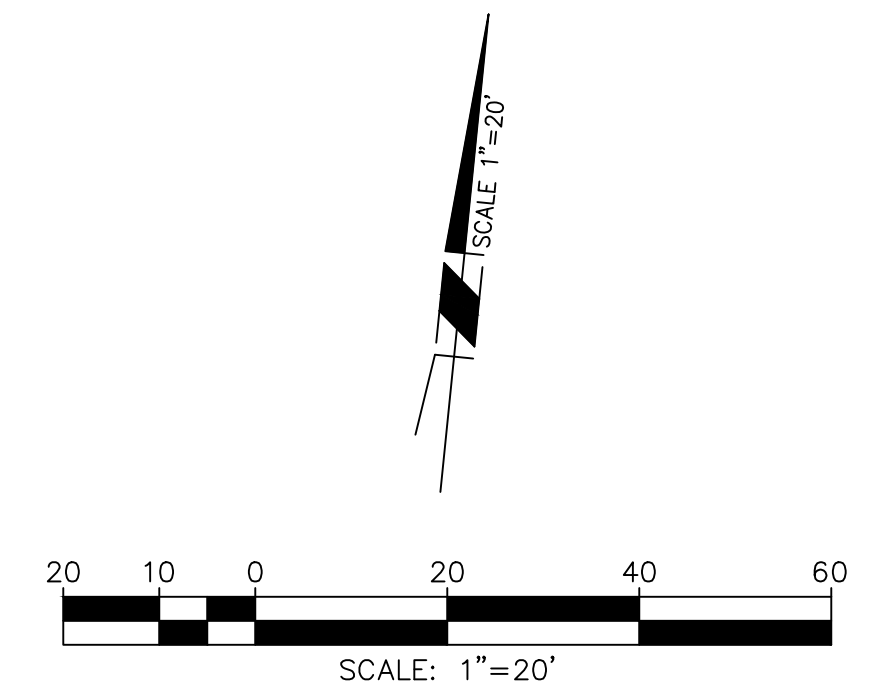
- RECOMMENDATIONS ARE BASED ON THE CONCRETE PAVEMENT PRESERVATION GUIDE, 2ND EDITION PUBLISHED BY THE NATIONAL CONCRETE PAVEMENT TECHNOLOGY CENTER OF THE IOWA STATE UNIVERSITY.
- SITE PAVEMENT TO BE LEFT AS-IS FOR THE PROJECT.
  - CORNER BREAKS WERE OBSERVED IN SLABS THAT WERE OTHERWISE IN GOOD CONDITION. TO RESTORE THESE SLABS AND AVOID FUTURE SPALLING AND LOOSE CONCRETE, THE PROCESSES AND PROCEDURES FOUND IN CHAPTER 5, PARTIAL-DEPTH REPAIRS OF THE ABOVE DOCUMENT SHOULD BE USED.
  - AREA DRAINS SHOULD BE KEPT FREE OF DIRT AND DEBRIS. PONDING WATER WILL LEAD TO WEAKENED SUBGRADE, POSSIBLE SUBGRADE PUMPING, AND COULD CAUSE PREMATURE PAVEMENT FAILURE.
  - IN ORDER TO KEEP CONTROL JOINTS IN GOOD CONDITION, THEY SHOULD BE OCCASIONALLY CLEANED WITH COMPRESSED AIR, HIGH-PRESSURE WATER, OR WITH A VACUUM SWEEPER TO REDUCE THE ACCUMULATION OF INCOMPRESSIBLE MATERIALS THAT CAN LEAD TO JOINT SPALLING.
  - IN SEVERAL LOCATIONS, CONTROL JOINTS HAVE AN ACCUMULATION OF INCOMPRESSIBLE MATERIALS AND, IN SOME LOCATIONS, ARE GROWING WEEDS. IN ORDER TO PRESERVE THESE JOINTS AND PREVENT FUTURE SPALLING, THEY SHOULD BE CLEANED AND RESEALED FOLLOWING THE RECOMMENDATIONS FOUND IN CHAPTER 10, JOINT RESEALING AND CRACK SEALING OF THE ABOVE DOCUMENT.

**CONCRETE PAVEMENT RECOMMENDATIONS (CONT'D):**

- IT IS RECOMMENDED THAT THE UNDERGROUND FUEL TANK BE DRAINED, CLEANED, FILLED, AND ABANDONED IN PLACE, AND THE CONCRETE SLAB ABOVE THE TANK REPLACED FOLLOWING THE RECOMMENDATIONS FOUND IN CHAPTER 6, FULL-DEPTH REPAIRS OF THE ABOVE DOCUMENT, EXCEPTING THAT DOWEL BARS ARE NOT NEEDED AS THIS IS UNDERSTOOD TO BE AN UNDOVELLED, UNREINFORCED PAVEMENT.
- ONCE REPAIRS ARE COMPLETE, A TOPPING MATERIAL IS RECOMMENDED TO PROVIDE A UNIFORM APPEARANCE THAT WILL COMPLEMENT THE APPEARANCE OF THE NEW TRANSIT FACILITY.

**DEMOLITION NOTES:**

- |   |   |  |
|---|---|--|
| <ol style="list-style-type: none"> <li>REMOVE CONCRETE SURFACE</li> <li>REMOVE CONCRETE LOADING DOCK</li> <li>REMOVE METAL BOLLARD TO FULL DEPTH</li> <li>REMOVE METAL BUILDING, FOUNDATIONS, SLAB, AND ROOFING. REMOVE AND CAP ALL UTILITIES.</li> <li>REMOVE CONCRETE RAMP</li> <li>REMOVE HANDRAIL</li> <li>REMOVE AREA DRAIN TO INVERT AND CAP (SEE SHT C-301 FOR IMPROVEMENTS)</li> <li>REMOVE AREA DRAIN AND PIPING TO 4.5' BELOW PROPOSED FS. CAP AND ABANDON REMAINING PIPE</li> <li>REMOVE AREA DRAIN AND PIPING TO 1.5' BELOW PROPOSED FS. CAP AND ABANDON REMAINING PIPE</li> <li>REMOVE LIGHT, POLE AND FOUNDATION</li> <li>REMOVE HVAC UNIT</li> <li>REMOVE CHAIN LINK FENCE INCLUDING BARBED WIRE AND SCREENING SLATS</li> <li>REMOVE GATE MOTOR</li> <li>REMOVE ASPHALT CONCRETE SURFACE INCLUDING BASE MATERIAL TO SUBGRADE</li> <li>REMOVE CONCRETE CURB</li> <li>REMOVE CONCRETE WALK</li> <li>REMOVE LANDSCAPE PLANTER (CLEAR AND GRUB)</li> <li>REMOVE TREE</li> <li>REMOVE SIGN</li> </ol> | <ol style="list-style-type: none"> <li>REMOVE WALL AND FOOTING</li> <li>REMOVE ASPHALT CONCRETE DIKE</li> <li>REMOVE FIRE HYDRANT</li> <li>SANDBLAST PAVEMENT STRIPING</li> <li>REMOVE IRRIGATION CONTROL VALVE</li> <li>REMOVE WATER METER</li> <li>REMOVE MAILBOX</li> <li>REMOVE ELECTRICAL VAULT</li> <li>REMOVE CONCRETE GUTTER</li> <li>NOT USED</li> <li>REMOVE BACKFLOW PREVENTION DEVICE</li> <li>REMOVE BIKE RACK. SALVAGE AND RELOCATE.</li> <li>REMOVE CHAIN LINK GATE INCLUDING SCREENING SLATS</li> <li>REMOVE RETAINING WALL AND FENCE</li> <li>REMOVE AC UNIT</li> <li>REMOVE OVERHEAD LINES (BY OTHERS)</li> <li>REMOVE FRONTIER POLE (BY OTHERS)</li> <li>REMOVE GUY WIRE</li> <li>REMOVE ELECTRICAL POST</li> <li>REMOVE SEWER CLEANOUT</li> <li>REMOVE GAS METER AND PIPING TO 12" BELOW PROPOSED FINISH GRADE AND CAP</li> </ol> | <ol style="list-style-type: none"> <li>REMOVE ELECTRICAL PULL BOX</li> <li>REMOVE BIKE LOCKER. LOCKERS TO BE SALVAGED AND RELOCATED TO PLAZA AREA. SEE LANDSCAPE DRAWINGS.</li> <li>REMOVE BATHROOMS - CAP ELECTRICAL AND PLUMBING</li> <li>REMOVE WATER LATERAL</li> <li>REMOVE AND RELOCATE SWITCHBOARD - SEE ELECT DRAWINGS</li> <li>REMOVE DOCK LEVELER</li> </ol> |
|---|---|--|



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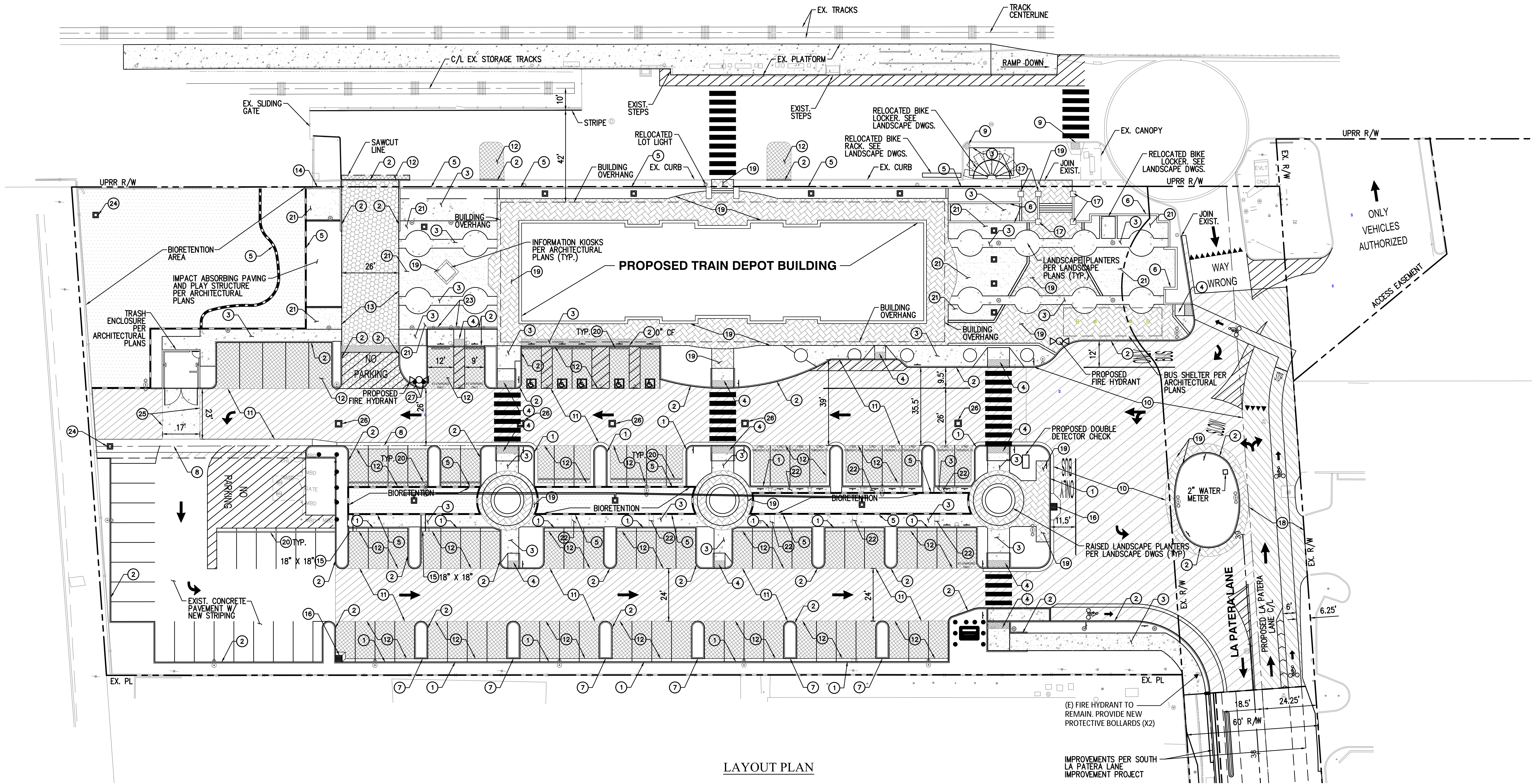
**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**LAYOUT PLAN**



PLAN CHECK #CIP-9079  
**C-201**  
 2019-GTD  
 JOB NUMBER  
 1" = 20'-0"  
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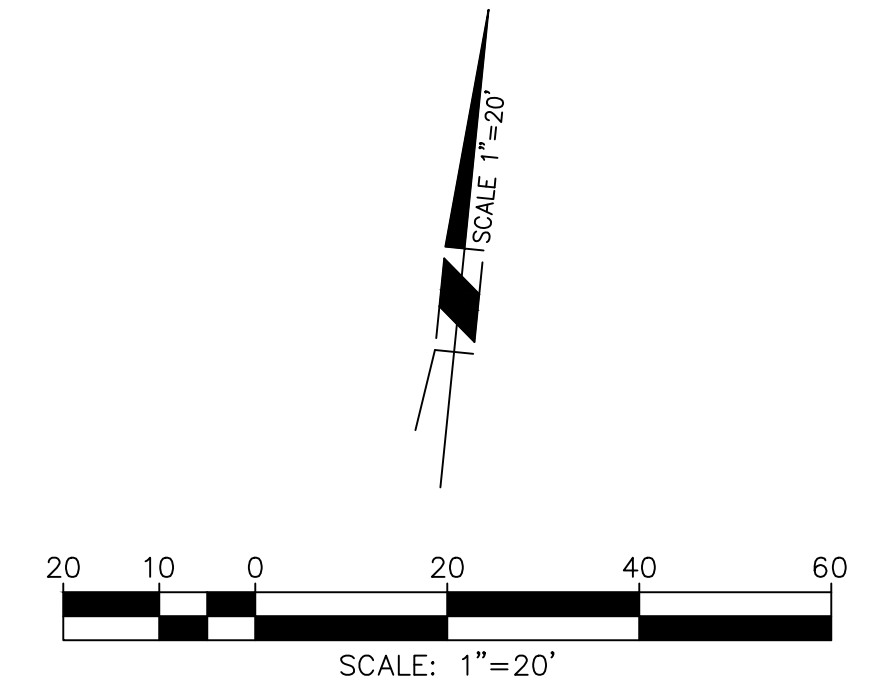
LAYOUT PLAN

**LEGEND:**

- CONCRETE SIDEWALK
- AC PAVEMENT IN PARKING AREAS
- AC PAVEMENT IN DRIVE AREAS
- AC PAVEMENT IN BUS TURNAROUND AREA
- DECORATIVE PAVEMENT
- EMERGENCY ACCESS AREA
- BIORETENTION
- SLURRY SEAL
- DETECTABLE WARNING SURFACE
- DECOMPOSED GRANITE SURFACE

**CONSTRUCTION NOTES:**

- 1) CONSTRUCT 6" CURB AND GUTTER PER DETAIL 1/C-601
- 2) CONSTRUCT 6" CURB ONLY PER DETAIL 2/C-601
- 3) CONSTRUCT 4" SIDEWALK OVER 4" OF CLASS 2 BASE W/ 8" THICKENED EDGE. COLOR AND FINISH PER LANDSCAPING PLANS
- 4) CONSTRUCT CURB RAMP PER SHEETS C-202, C-302, & C-303.
- 5) CONSTRUCT WALL. SEE C-501 FOR TYPICAL SECTIONS AND TOW ELEV. REFER TO LANDSCAPE DWGS FOR COLOR AND FINISH.
- 6) CONSTRUCT WALL PER LANDSCAPE PLANS.
- 7) CONSTRUCT CURB AND GUTTER CHANNEL PER DETAIL 3/C-601
- 8) CONSTRUCT CONCRETE CROSS GUTTER PER DETAIL 4/C-601
- 9) INSTALL DETECTABLE WARNING TILES AT EXISTING CURB RAMP
- 10) CONSTRUCT 8" HMA OVER 23" AB IN BUS TURNAROUND AREA
- 11) CONSTRUCT 3" HMA OVER 11" AB IN DRIVE AREAS
- 12) CONSTRUCT 3" HMA OVER 7" AB IN PARKING AREAS
- 13) CONSTRUCT 6" CONCRETE PAVEMENT (3,250 PSI), UNDERLAY WITH 4" CLASS 2 AB OVER COMPACTED SUBGRADE PER DETAIL 5/C-601 AND SANTA BARBARA COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION
- 14) CONSTRUCT CONCRETE MASONRY UNIT WALL WITH CHAIN LINK FENCE. MATCH ADJACENT EXISTING WALL IN KIND.
- 15) CONSTRUCT MODIFIED CALTRANS CAST-IN-PLACE TYPE G3 DRAINAGE INLET PER DETAIL 6/C-601. GRATE SIZE PER PLAN.
- 16) CONSTRUCT MODIFIED CALTRANS CAST-IN-PLACE TYPE G3 DRAINAGE INLET PER DETAIL 7/C-601.
- 17) CONSTRUCT PILASTER PER LANDSCAPING PLANS
- 18) APPLY SLURRY SEAL
- 19) CONSTRUCT DECORATIVE PAVEMENT PER LANDSCAPING PLANS
- 20) INSTALL CONCRETE WHEEL STOPS AND SECURE WITH REBAR PINS PER MANUFACTURER'S RECOMMENDATIONS. MAINTAIN 2.5' OVERHANG ALLOWANCE FROM END OF PARKING SPACE TO BACK OF WHEEL STOP PER FIGURE 2 OF SANTA BARBARA STANDARDS FOR PARKING DESIGN.
- 21) CONSTRUCT DECOMPOSED GRANITE SURFACE PER LANDSCAPING PLANS
- 22) INSTALL METAL COVER OVER 6" X 12" CURB/SIDEWALK DRAINAGE OPENING PER DETAIL 8/C-601.
- 23) INSTALL METAL HAND RAILING PER SCRR A ES4005
- 24) CONSTRUCT CAST-IN-PLACE TYPE G1 DRAINAGE INLET PER CALTRANS STANDARD PLAN D72B
- 25) CONSTRUCT 17' X 23' 8" THICK CONCRETE SLAB WITH NO. 4 REBAR, 12" O.C.E.W AT 3" OFF BOTTOM OF SLAB
- 26) CLEAN OUT PER SHEET 301
- 27) 6" STEEL BALLARDS PER CITY OF SANTA BARBARA STD W-03.0



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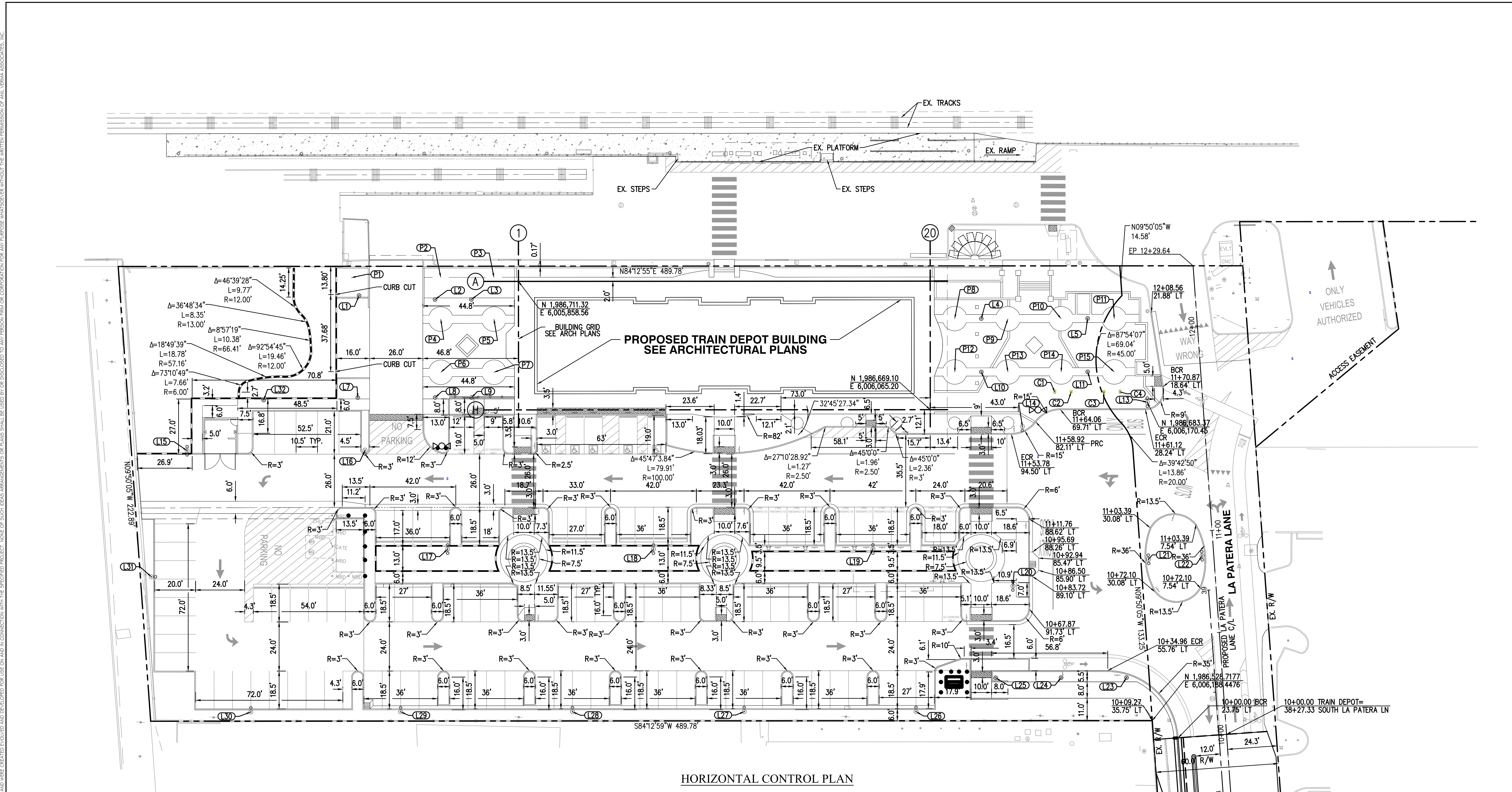
**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**HORIZONTAL CONTROL PLAN**



PLAN CHECK #CIP-9079  
**C-202**  
 2019-GTD  
 JOB NUMBER  
 1" = 20'-0"  
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 CITY RESUBMITTAL  
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HORIZONTAL CONTROL PLAN

POINT #	NORTHING	EASTING
L9	1986652.54	6005841.42
L1	1986696.63	6005781.71
L2	1986698.42	6005818.87
L3	1986700.21	6005836.54
L4	1986715.90	6006085.57
L5	1986721.18	6006137.30
L7	1986646.90	6005786.08
L8	1986650.75	6005823.75
L10	1986689.95	6006088.21
L11	1986695.23	6006139.94

POINT #	NORTHING	EASTING
L13	1986683.37	6006170.45
L14	1986665.41	6006110.87
L15	1986612.71	6005705.65
L16	1986621.76	6005792.21
L17	1986571.66	6005837.24
L18	1986587.71	6005937.35
L19	1986598.53	6006044.12
L20	1986587.41	6006114.05
L21	1986607.01	6006178.71
L22	1986611.33	6006204.57

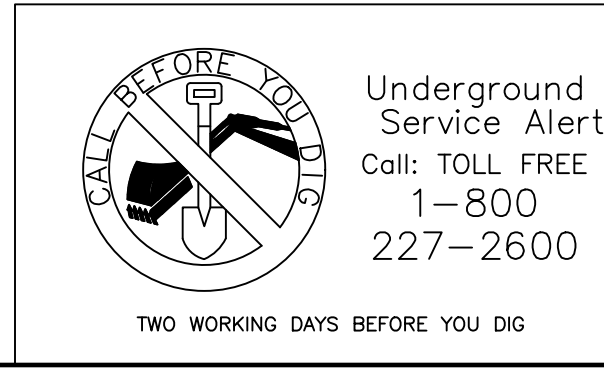
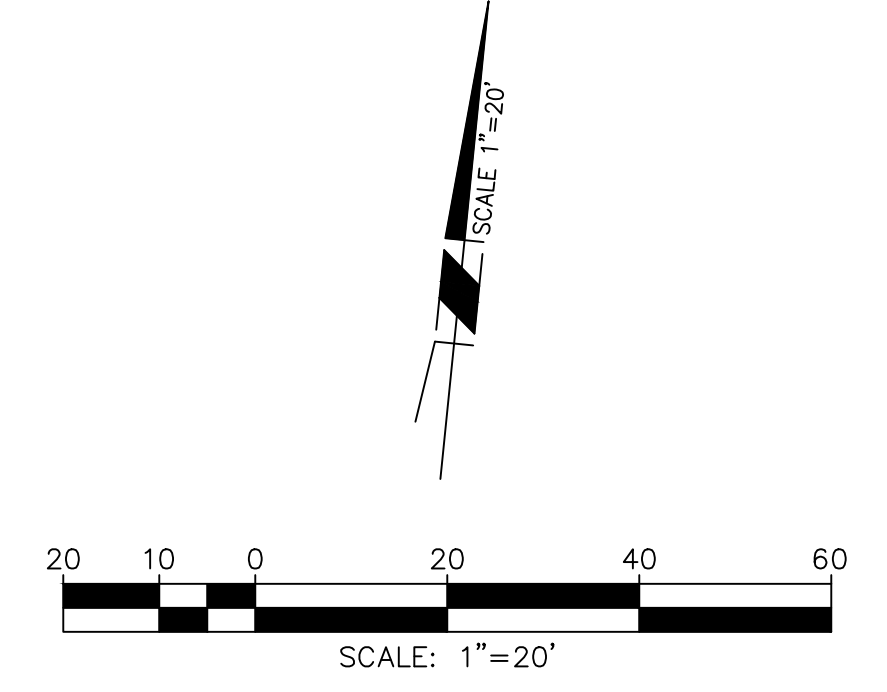
POINT #	NORTHING	EASTING
L23	1986548.39	6006173.80
L24	1986545.14	6006141.98
L25	1986541.86	6006110.13
L26	1986521.56	6006073.05
L27	1986513.09	6005989.48
L28	1986504.63	6005905.90
L29	1986496.16	6005822.33
L30	1986488.78	6005749.45
L31	1986549.64	6005694.44
L32	1986641.12	6005740.43

POINT #	NORTHING	EASTING
C1	1986683.74	6006124.93
C2	1986684.56	6006132.89
C3	1986686.18	6006148.81
C4	1986686.99	6006156.77

POINT #	NORTHING	EASTING
P1	1986704.95	6005777.11
P2	1986709.48	6005820.55
P3	1986712.10	6005846.42
P4	1986689.17	6005822.61
P5	1986691.79	6005848.48
P6	1986663.30	6005825.23
P7	1986665.92	6005851.10
P8	1986714.58	6006072.64
P9	1986717.12	6006098.53
P10	1986719.74	6006124.40

POINT #	NORTHING	EASTING
P11	1986722.36	6006150.26
P12	1986688.63	6006075.28
P13	1986691.27	6006101.15
P14	1986693.85	6006127.02
P15	1986696.49	6006152.89

NOTES:  
 1. SURVEY OF APN 073-050-033 (SEPTEMBER 2016) BY MNS ENGINEERS, INC.



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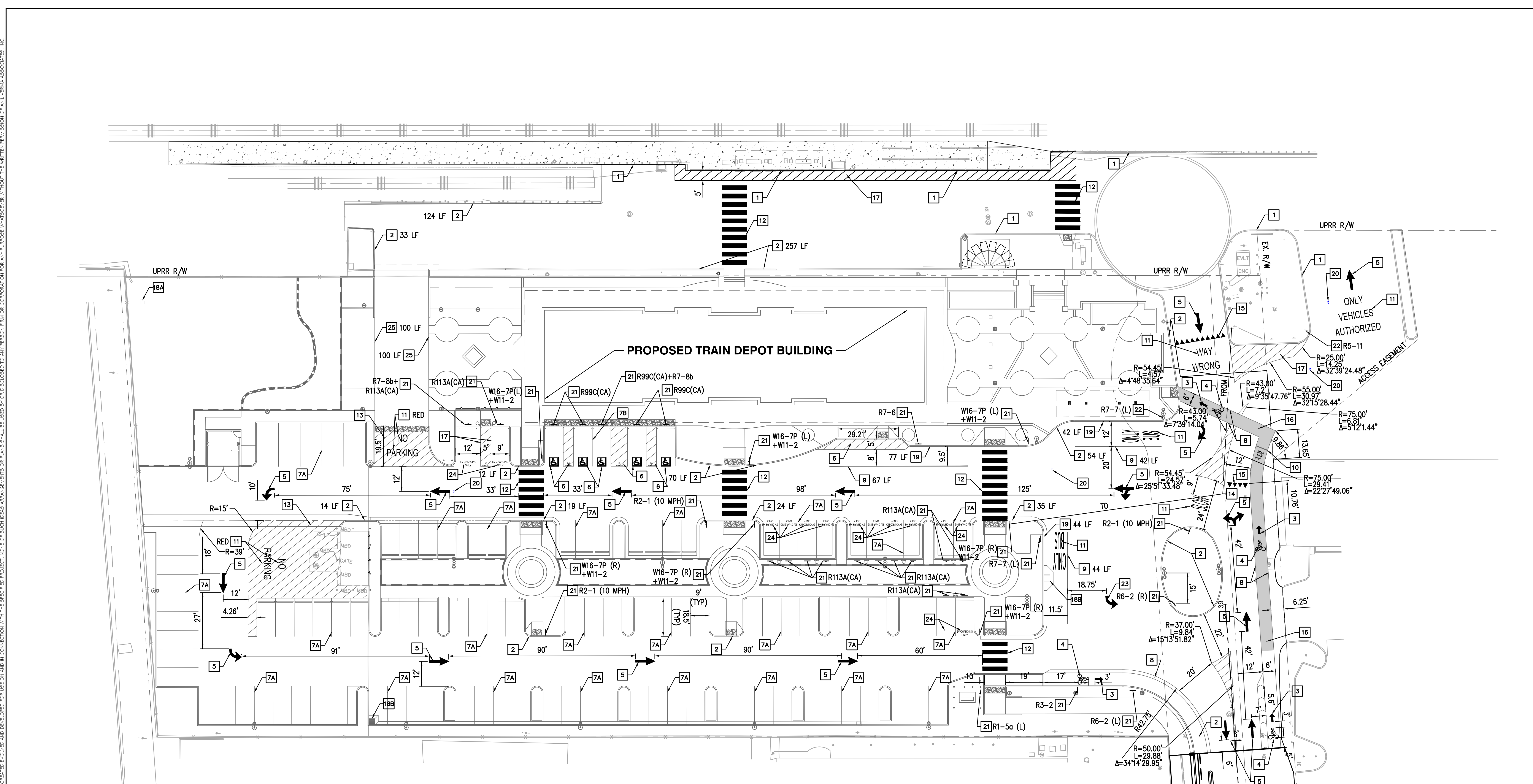
**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**SIGNING AND STRIPING PLAN**



PLAN CHECK #CIP-9079  
**C-203**  
 2019-GTD  
 JOB NUMBER  
 SCALE 1" = 20'-0"  
 CITY RESUBMITTAL  
 ISSUED AS 227-2600  
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**SIGNING AND STRIPING PLAN**

**SIGN LEGEND**

R2-1 (10)	R6-2L	R6-2R	R3-2	R113A (CA)	R99C (CA)
					R7-8b
R7-6	R7-7 (L)	W11-2	W16-7P (L) & (R)	AUTHORIZED VEHICLES ONLY	R5-11
A	B	C	D	E	F

**CONSTRUCTION NOTES:**

- EXISTING PAINTED "FIRE LANE" RED CURB - PROTECT IN PLACE
- PAINT "FIRE LANE - NO PARKING" RED CURB
- INSTALL BIKE LANE ARROW MARKING PER CALTRANS STD PLAN A24A.
- INSTALL BIKE LANE SYMBOL MARKING PER CALTRANS STD PLAN A24C.
- INSTALL DIRECTIONAL SYMBOL MARKING PER CALTRANS STD PLAN A24A, TYPE I 10'-0" AND TYPE IV ARROWS. SYMBOLS AS SHOWN ON PLAN.
- INSTALL ADA ACCESSIBLE PARKING MARKINGS PER CALTRANS STD PLANS A24C AND A90A.
- INSTALL 4" WHITE PARKING SPACE STRIPE (LENGTH 18.5')
- INSTALL 4" BLUE PARKING SPACE STRIPE
- INSTALL 6" WHITE BIKE LANE STRIPE PER CALTRANS STD PLAN A20D, DETAIL 39.
- INSTALL 8" WHITE BUS PARKING STRIPE (LENGTH MATCHES STRAIGHT SECTION OF CURB).
- INSTALL 12" WHITE STOP BAR STRIPE PER CALTRANS STD PLAN A24E.
- INSTALL PAVEMENT MARKING WORDS PER CALTRANS STD PLAN A24D AND A24E/ SYMBOLS AS SHOWN ON PLAN
- INSTALL 12" WIDE CONTINENTAL CROSSWALK PER CALTRANS STD PLAN A24F.
- INSTALL RED CROSS HATCHED LINES AT 36" O.C.
- RELOCATE "CUSTOMER PARKING ONLY" SIGN.
- INSTALL YIELD LINE PER CALTRANS STD PLAN A24E.
- PAINT GREEN METHYL METHACRYLATE (MMA) BIKE LANE CONFLICT MARKING AS SHOWN. MMA SHALL BE LISTED ON CALTRANS APPROVED MATERIALS LIST.
- CROSS HATCHED LINES AT 36" OC.

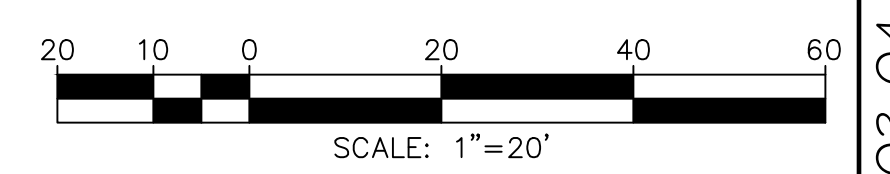
- DRAINAGE INLET MARKER STAMPED CONCRETE IMPRINT PER CALTRANS STD D71
- DRAINAGE INLET MARKER PREFABRICATED THERMOPLASTIC PER CALTRANS STD D71
- PAINT WHITE CURB - PASSENGER DROP OFF/PICK UP
- INSTALL BLUE FIRE HYDRANT RAISED PAVEMENT MARKERS.
- FURNISH AND INSTALL SIGN AND POST AS SHOWN
- FURNISH AND INSTALL SIGN AS SHOWN
- INSTALL DIRECTIONAL SYMBOL MARKING PER CALTRANS STD PLAN A24B, TYPE III (L) ARROW.
- INSTALL EV CHARGING PAVEMENT MARKINGS PER CA T24 11B-812
- INSTALL 6" RED FIRE LANE STRIPE WITH WHITE "FIRE LANE - NO PARKING" TEXT EVERY 25 FEET

**CONSTRUCTION NOTES:**

- ALL STRIPING AND PAVEMENT MARKING DETAILS AND LAYOUTS SHALL CONFORM TO THE CURRENT STATE OF CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND THE STATE OF CALIFORNIA STANDARD PLANS, UNLESS OTHERWISE SPECIFIED.
- LANE DIMENSIONS ARE FROM TOP OF CURB OR EDGE OF PAVEMENT TO CENTER OF STRIPE DETAIL.
- ALL LONG LINE STRIPING SHALL BE PAINT. ALL PAVEMENT MARKINGS, CROSSWALK, AND LIMITS LINES SHALL BE THERMOPLASTIC.

**GENERAL NOTES:**

- SIGN POSTS SHALL BE INSTALLED PER CALTRANS STD DWG RS1 WITH SQUARE PERFORATED STEEL TUBING W/ A BREAKAWAY BASE PER CALTRANS STD DWG RS4.
- SIGNS ON LIGHT POLES SHALL BE INSTALLED PER CALTRANS STD DWG. RS4.



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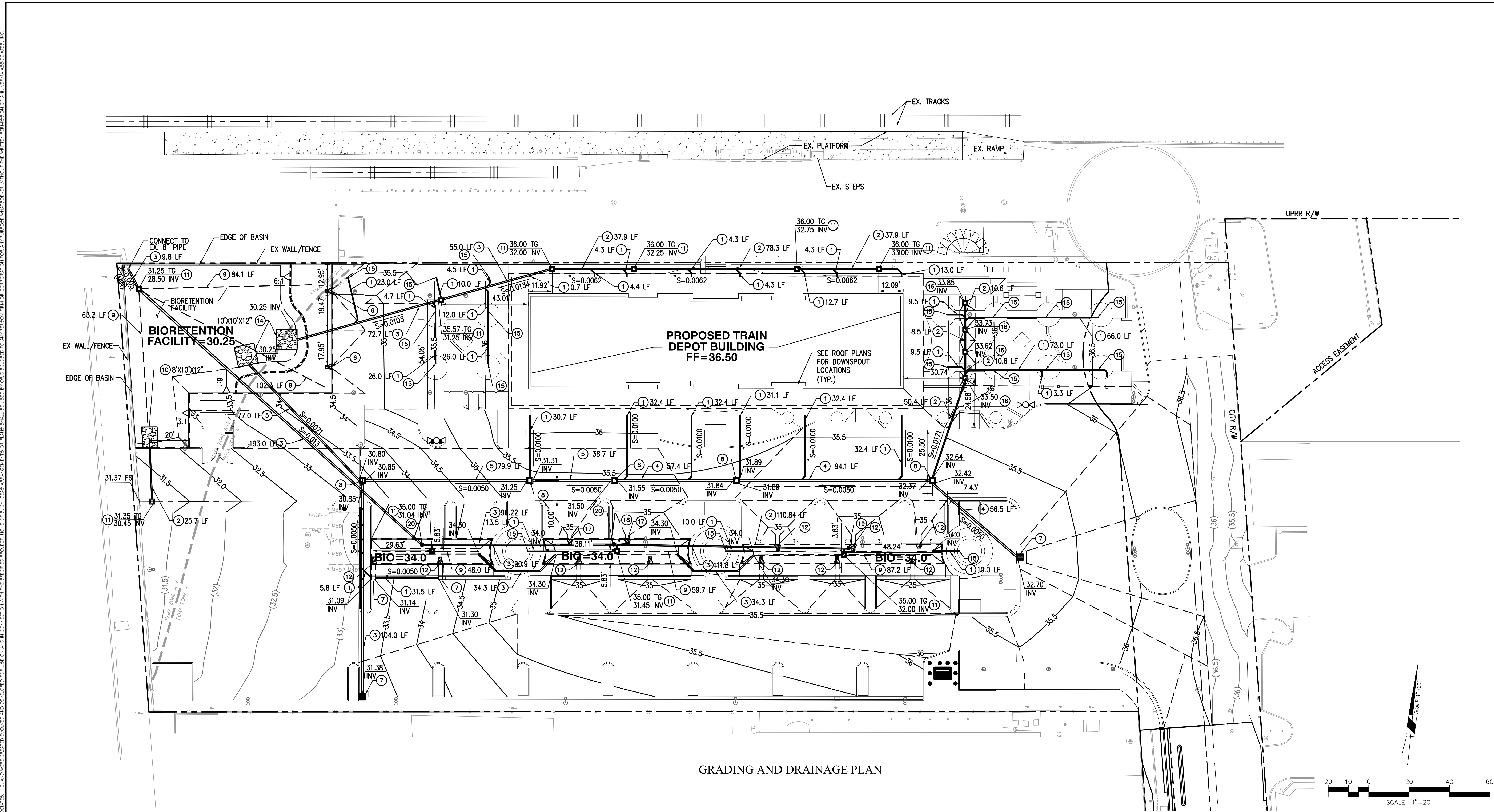
REVISION	DATE	DESCRIPTION
A	03/04/2024	ISSUE FOR BID
B		
C		
D		
E		

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

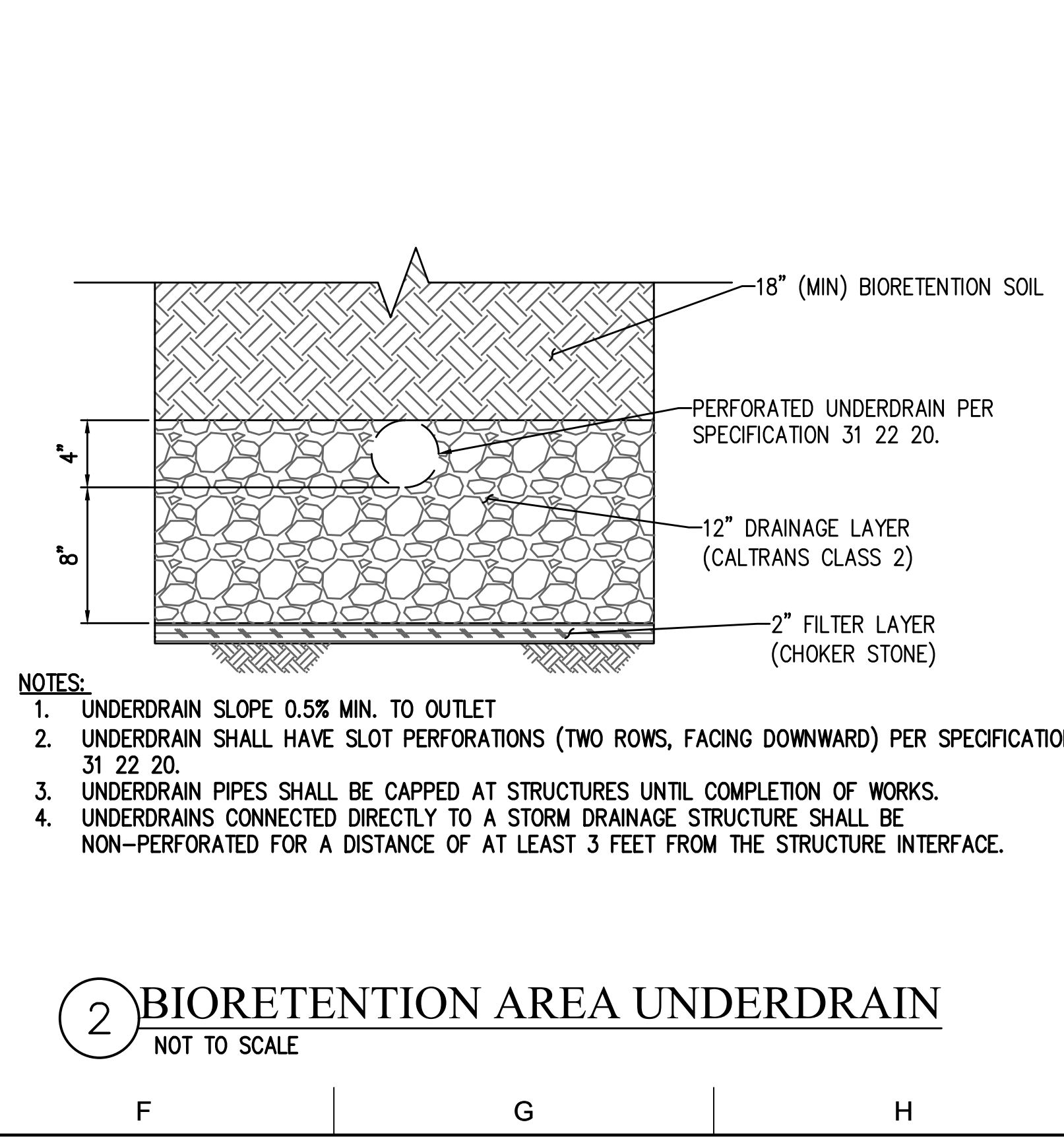
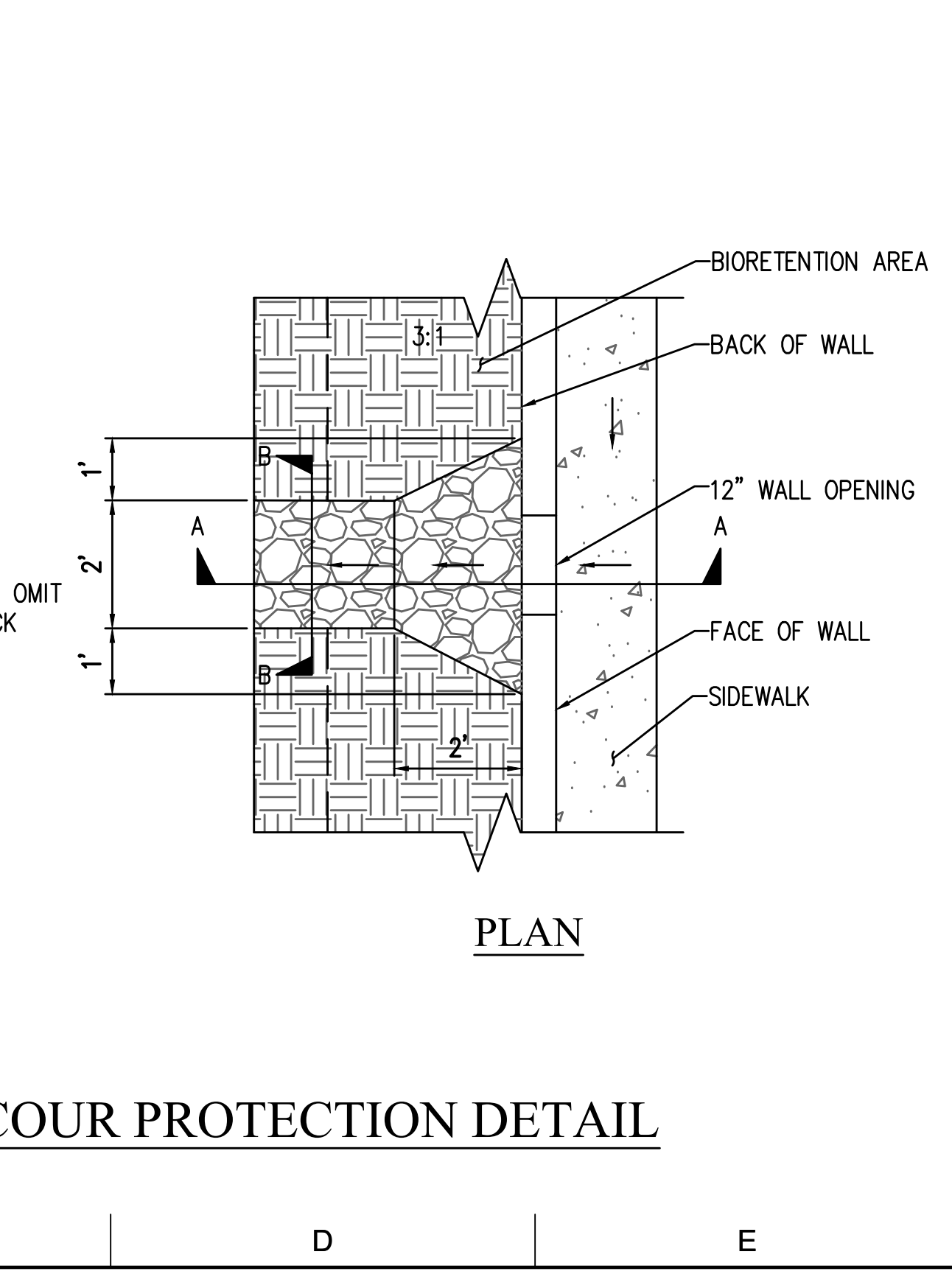
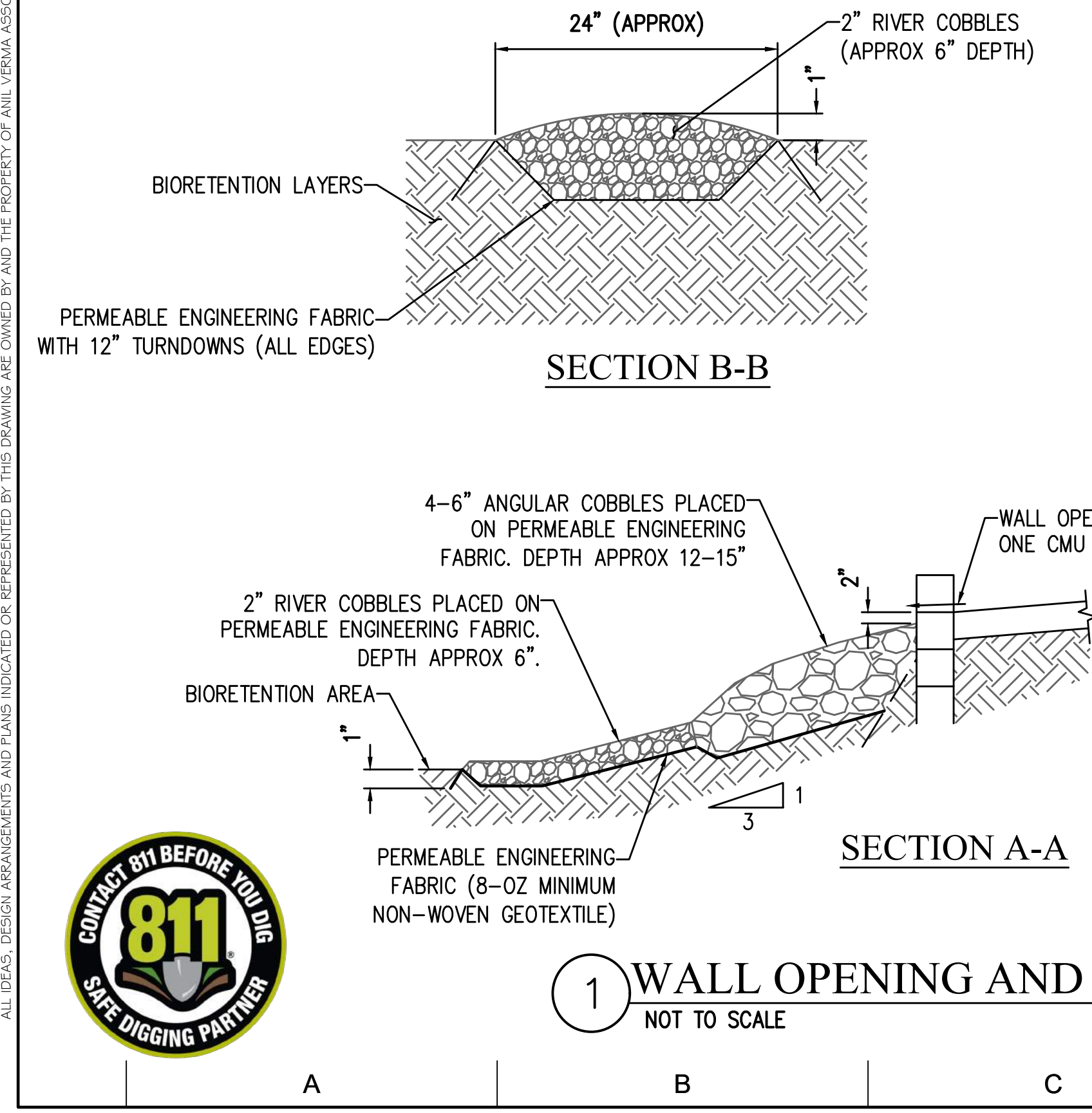
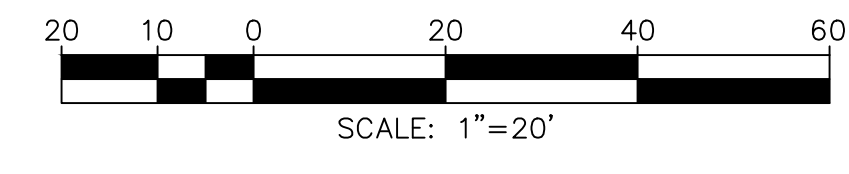
**GRADING AND DRAINAGE PLAN**



PLAN CHECK #CIP-9079  
**C-301**  
 2019-GTD  
 JOB NUMBER  
 1" = 20'-0"  
 SCALE  
 CITY RESUBMITTAL  
 ISSUED AS  
 03/04/24  
 ISSUE DATE  
 SHEET 014 OF 235



GRADING AND DRAINAGE PLAN



**CONSTRUCTION NOTES:**

- INSTALL 4" HDPE STORM DRAIN PIPE
- INSTALL 6" HDPE STORM DRAIN PIPE
- INSTALL 8" HDPE STORM DRAIN PIPE
- INSTALL 10" HDPE STORM DRAIN PIPE
- INSTALL 12" HDPE STORM DRAIN PIPE
- INSTALL WALL OPENING & SCOUR PROTECTION PER DETAIL 1/C-301.
- INSTALL GRATED CURB INLET PER LAYOUT PLAN
- INSTALL OLDCASTLE PRECAST CLEANOUT / STORM DRAIN JUNCTION TYPE A5 OR APPROVED EQUAL
- INSTALL UNDERDRAIN PER DETAIL 2/C-301.
- CONSTRUCT RIP-RAP, CALTRANS CLASS I. DIMENSION PER PLAN.
- CONSTRUCT CAST-IN-PLACE TYPE G1 DRAINAGE INLET PER CALTRANS STANDARD PLAN D72B
- INSTALL SCOUR PROTECTION PER DETAIL 1/C-301 BEHIND CURB OPENING PER SECTION B-B/C-501 AND DETAIL 8/C-601.
- CONSTRUCT RIP-RAP, CALTRANS CLASS II. DIMENSION PER PLAN.
- INSTALL 4" NDS ATRIUM DRAIN IN PLANTER PER DETAIL 9/C-601.
- INSTALL 2' x 2' PRECAST INLET/ OLDCASTLE FIELD INLET OR APPROVED EQUAL
- INSTALL SCOUR PROTECTION PER DETAIL 1/C-301 BEHIND WALL OPENING PER SECTION B-B/C-501.
- INSTALL 6" to 8" HDPE COUPLER
- INSTALL 6" HDPE WYE CLEANOUT RISER. EXTEND CLEANOUT RISER TO 1' ABOVE BOTTOM OF BASIN.
- INSTALL 8" HDPE WYE CLEANOUT RISER. EXTEND CLEANOUT RISER TO 1' ABOVE BOTTOM OF BASIN.

**GENERAL NOTES:**

- ALL TRENCHING TO BE COMPLETED IN ACCORDANCE WITH SANTA BARBARA PUBLIC WORKS STANDARD DRAWING 2-040.
- HDPE PIPE SHALL BE DOUBLE-WALLED, CORRUGATED PIPE WITH GASKETED BELL AND SPIGOT.
- SEE ARCHITECTURAL PLANS FOR ROOF DRAIN LOCATIONS AT TRAIN DEPOT BUILDING, BUS SHELTER, AND TRASH ENCLOSURE.



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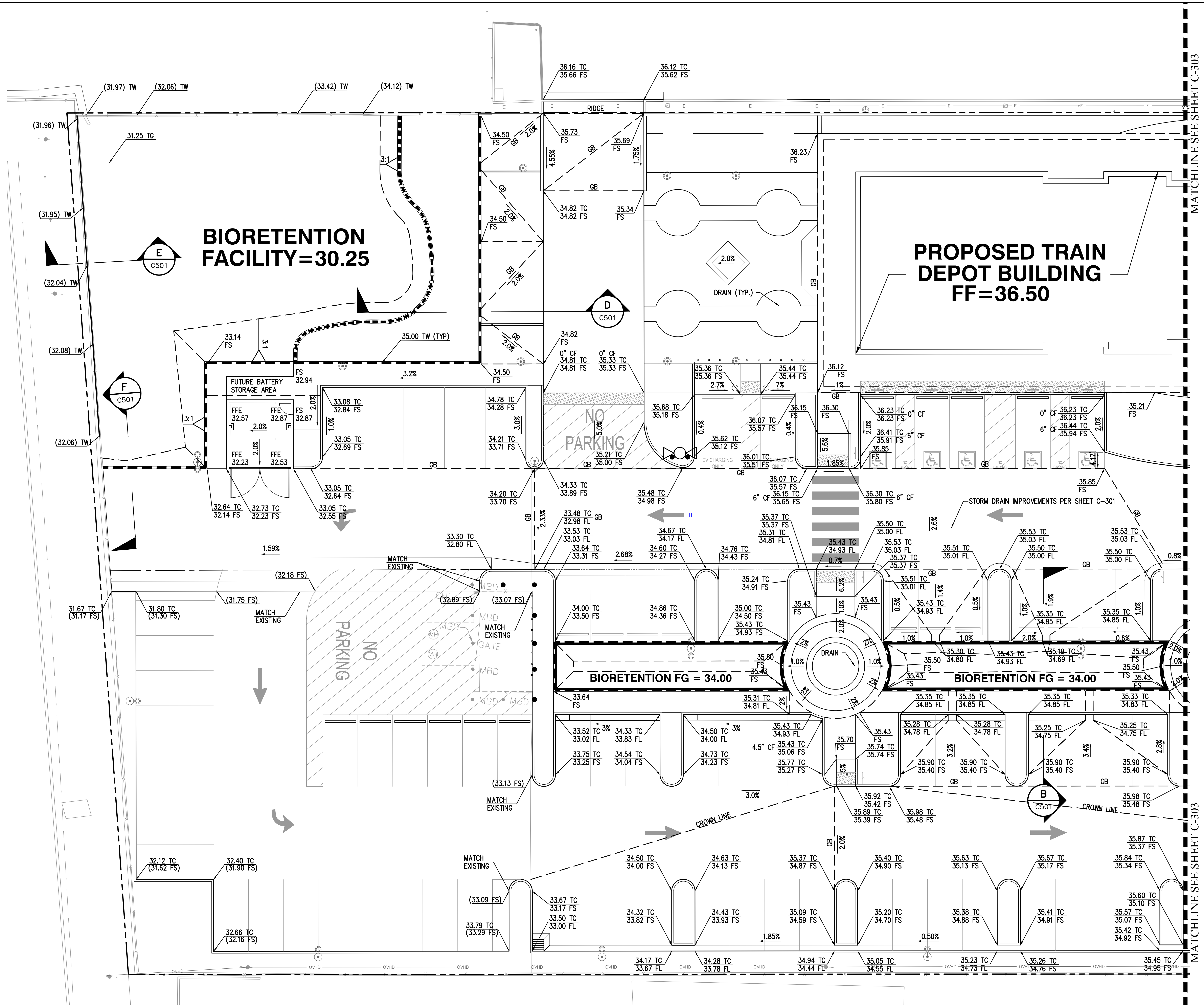
REVISION	DATE	BY	FOR
A	03/04/2024		ISSUE FOR BID
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**GOLETA TRAIN DEPOT**  
27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
CITY OF GOLETA  
130 CREMONA DRIVE, STE B, GOLETA, CA 93117

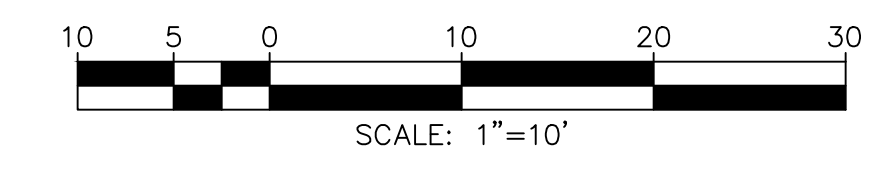
**GRADING AND DRAINAGE DETAILS**



PLAN CHECK #CIP-9079  
**C-302**  
2019-GTD  
JOB NUMBER  
1" = 10'-0"  
SCALE  
CITY RESUBMITTAL  
ISSUED AS  
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**GRADING AND DRAINAGE DETAILS**



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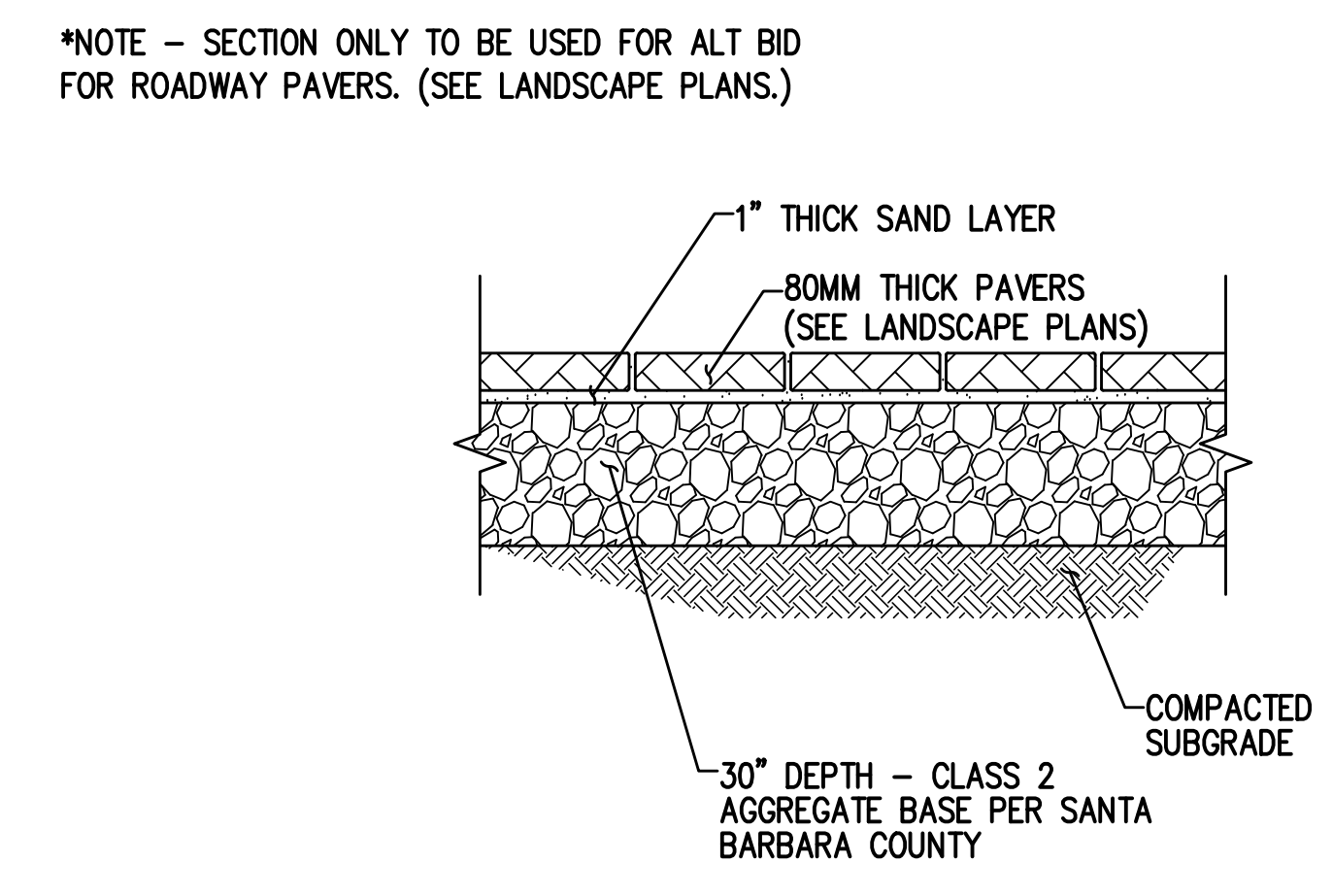
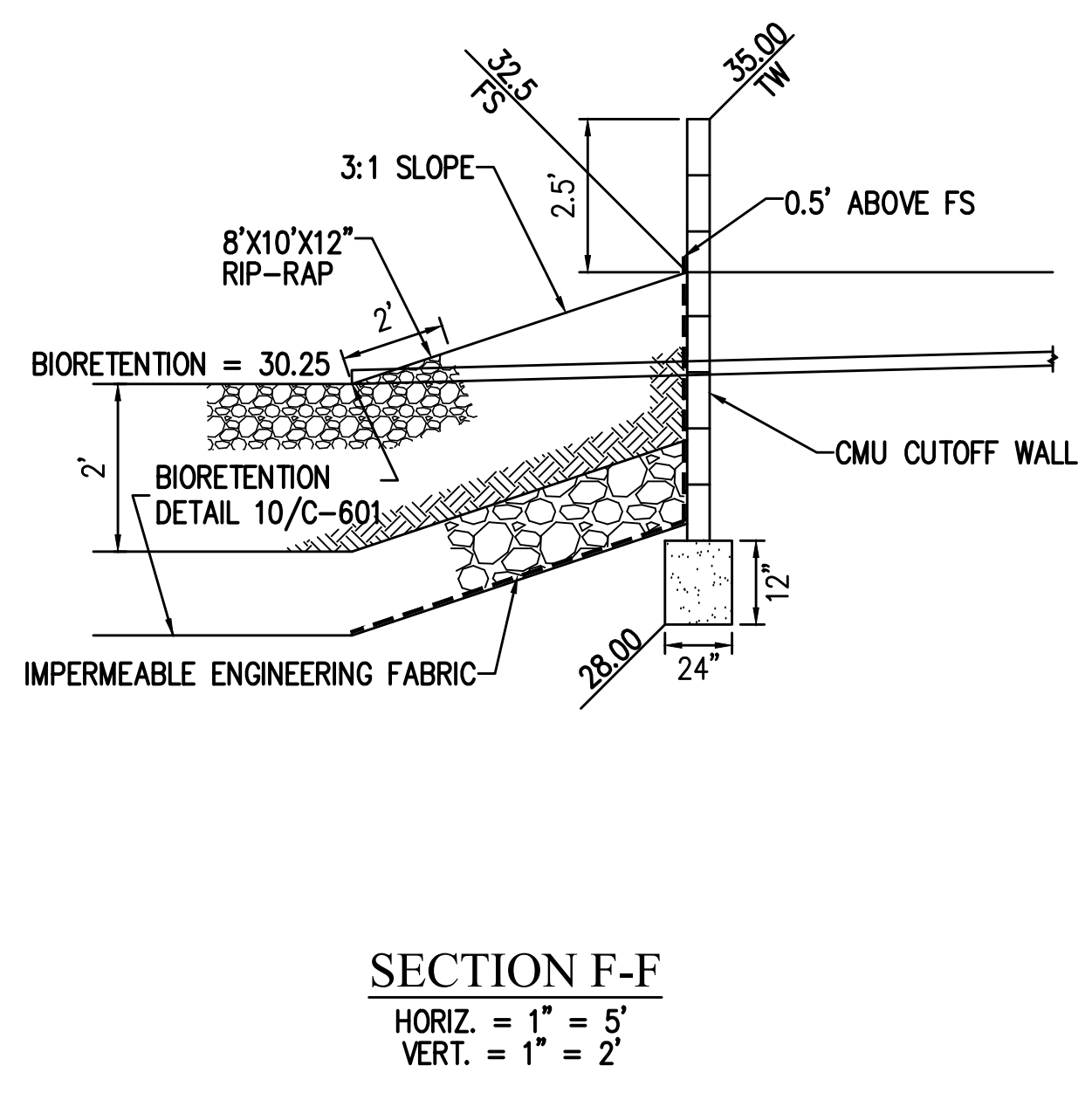
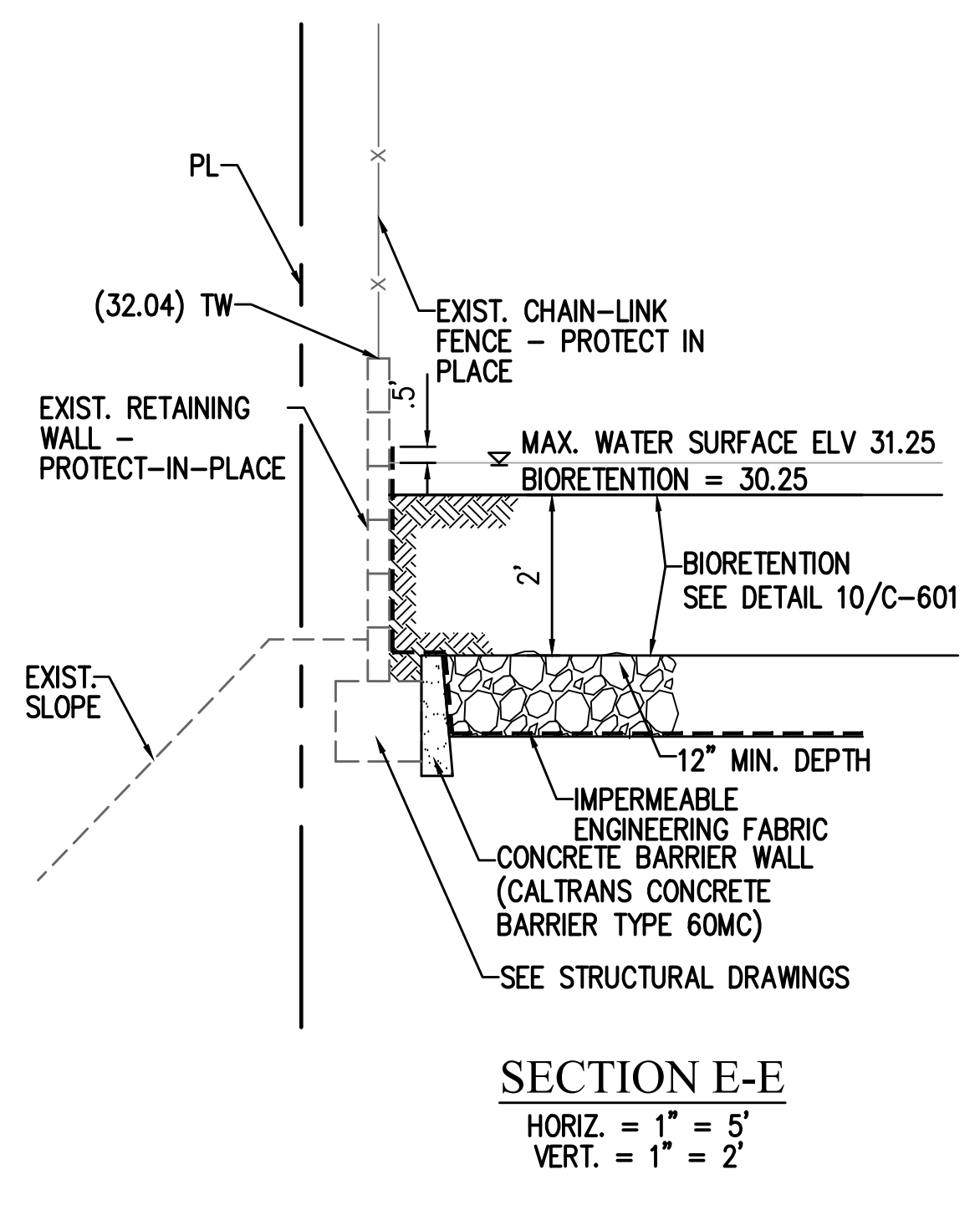
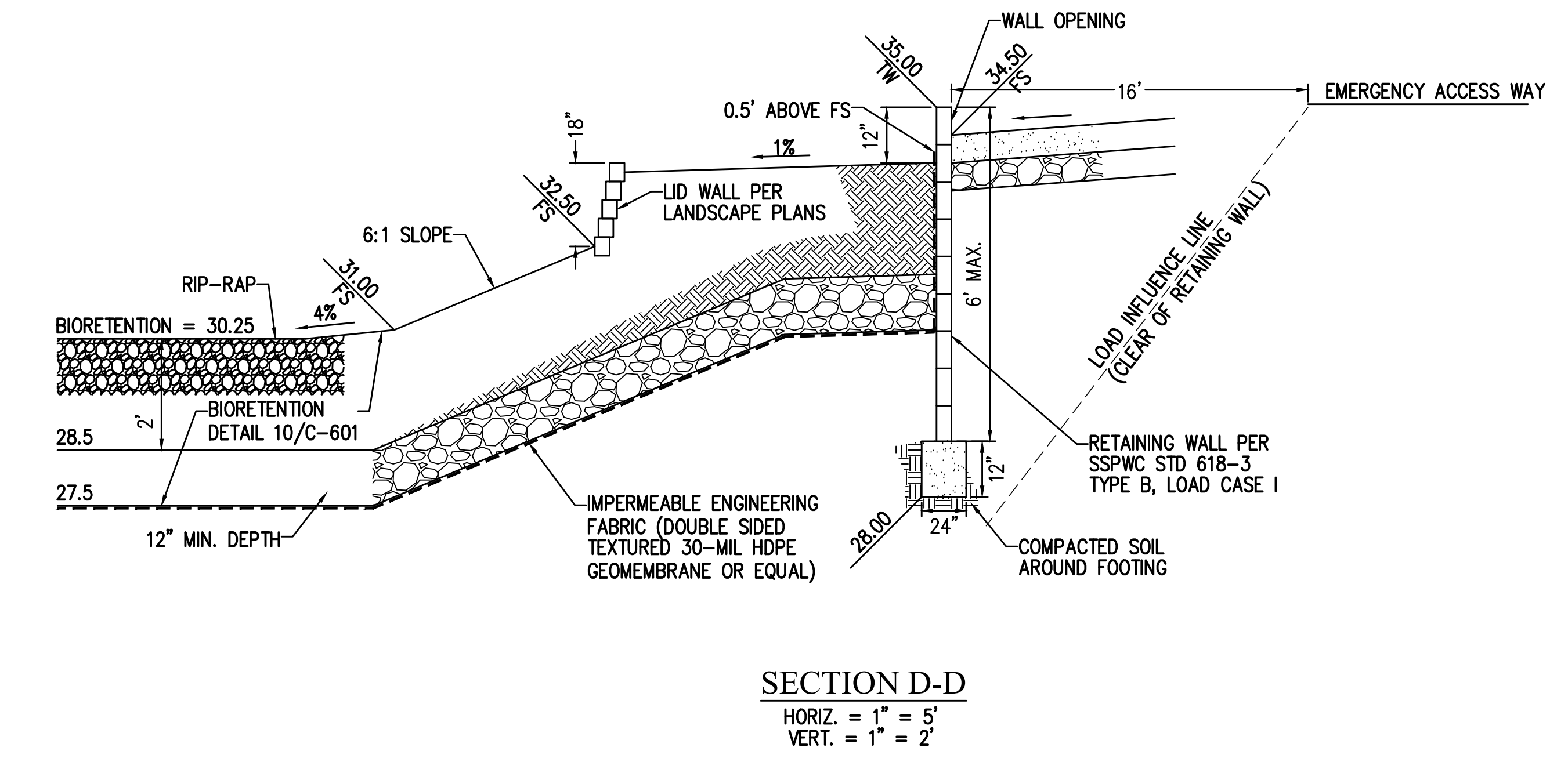
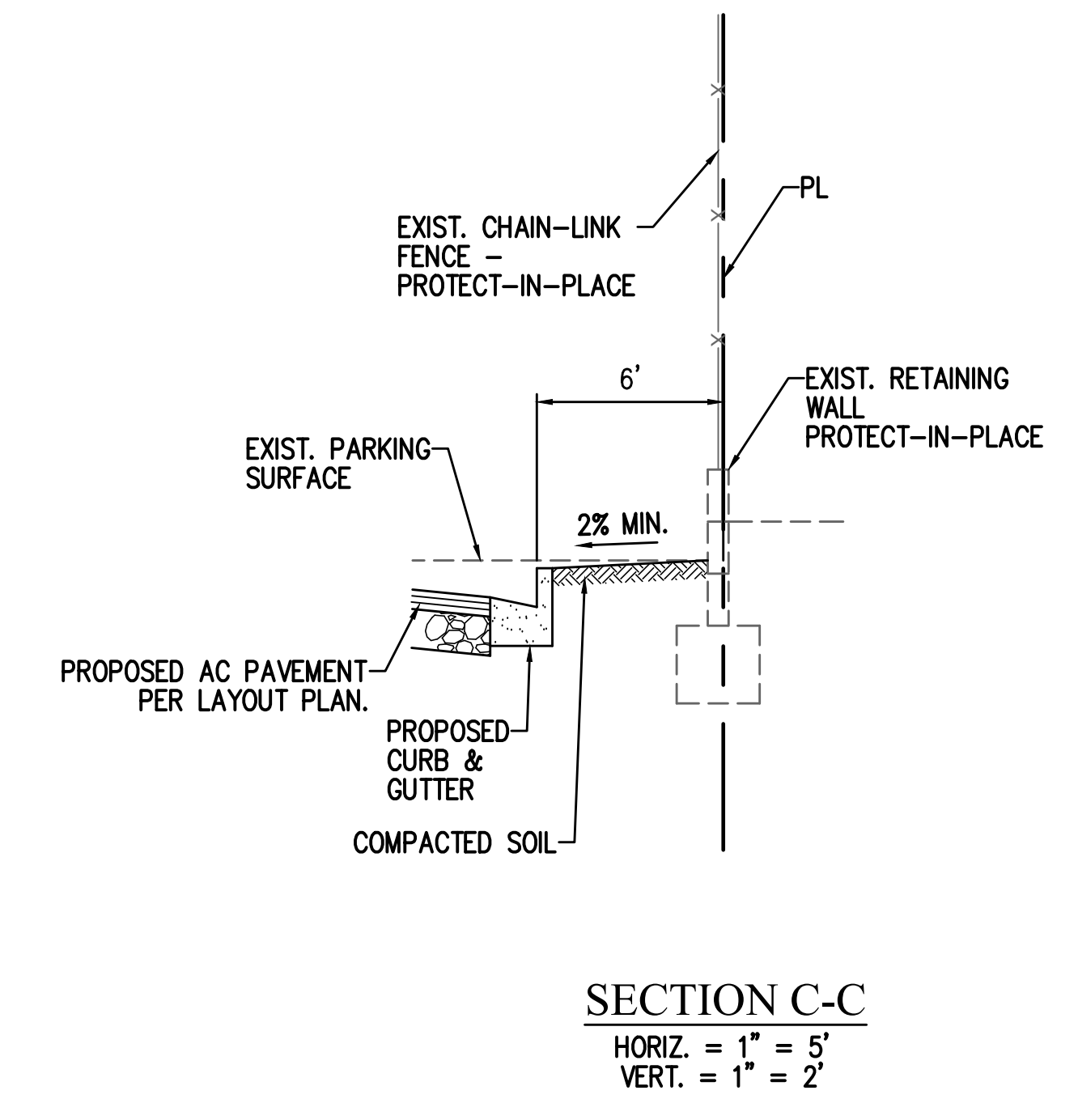
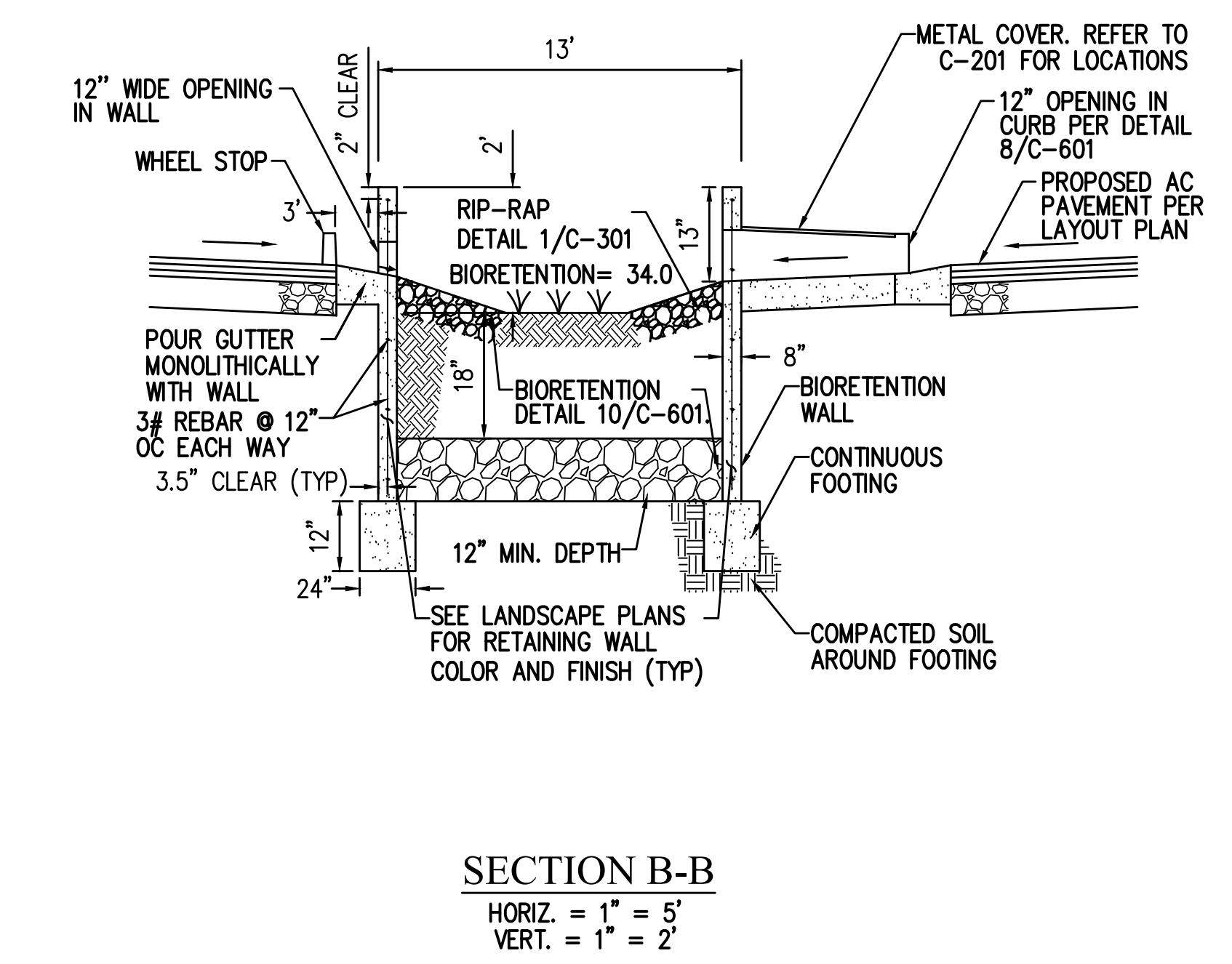
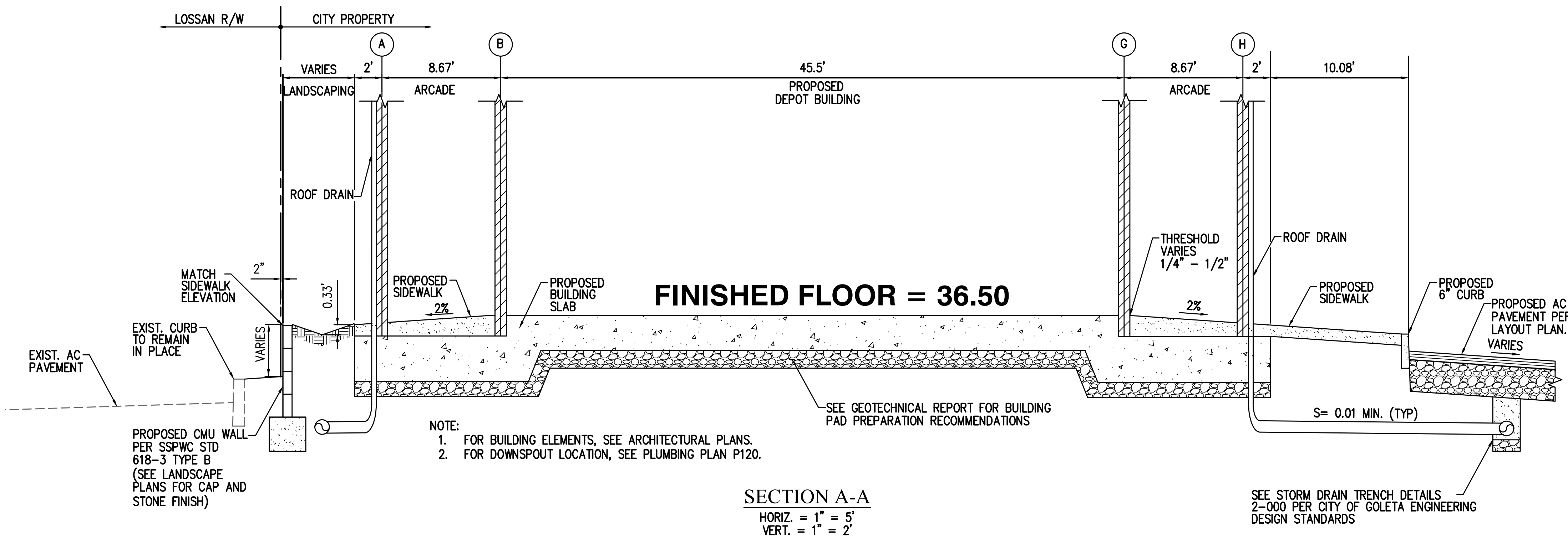
DATE	REVISION
03/04/2024	ISSUE FOR BID

**GOLETA TRAIN DEPOT**  
27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
CITY OF GOLETA  
130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**TYPICAL SECTIONS**

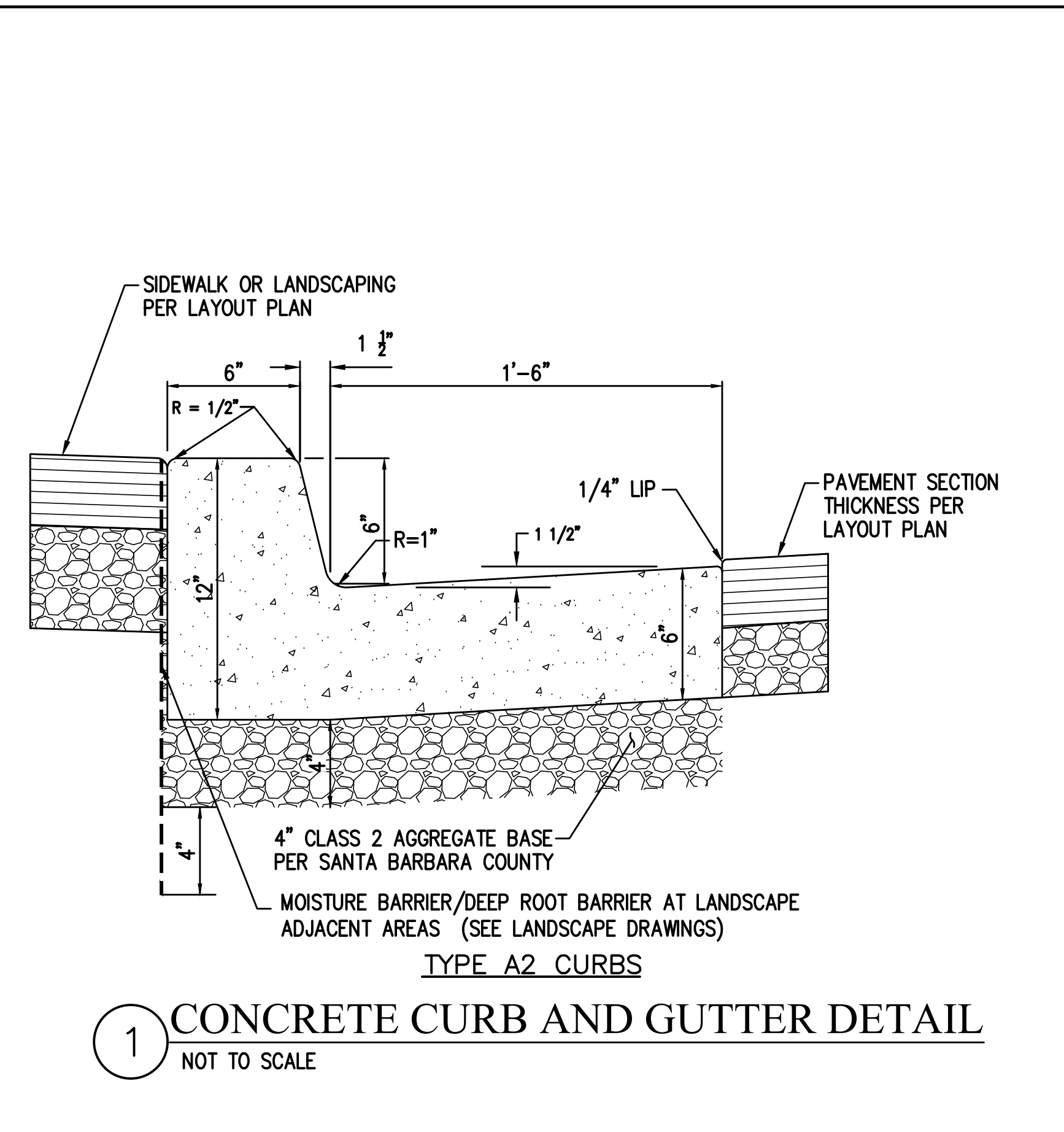


PLAN CHECK #CIP-9079  
**C-501**  
2019-GTD  
JOB NUMBER  
SEE SECTIONS  
CITY  
RESUBMITTAL  
ISSUED AS  
03/04/24  
ISSUE DATE  
SHEET 017 OF 235

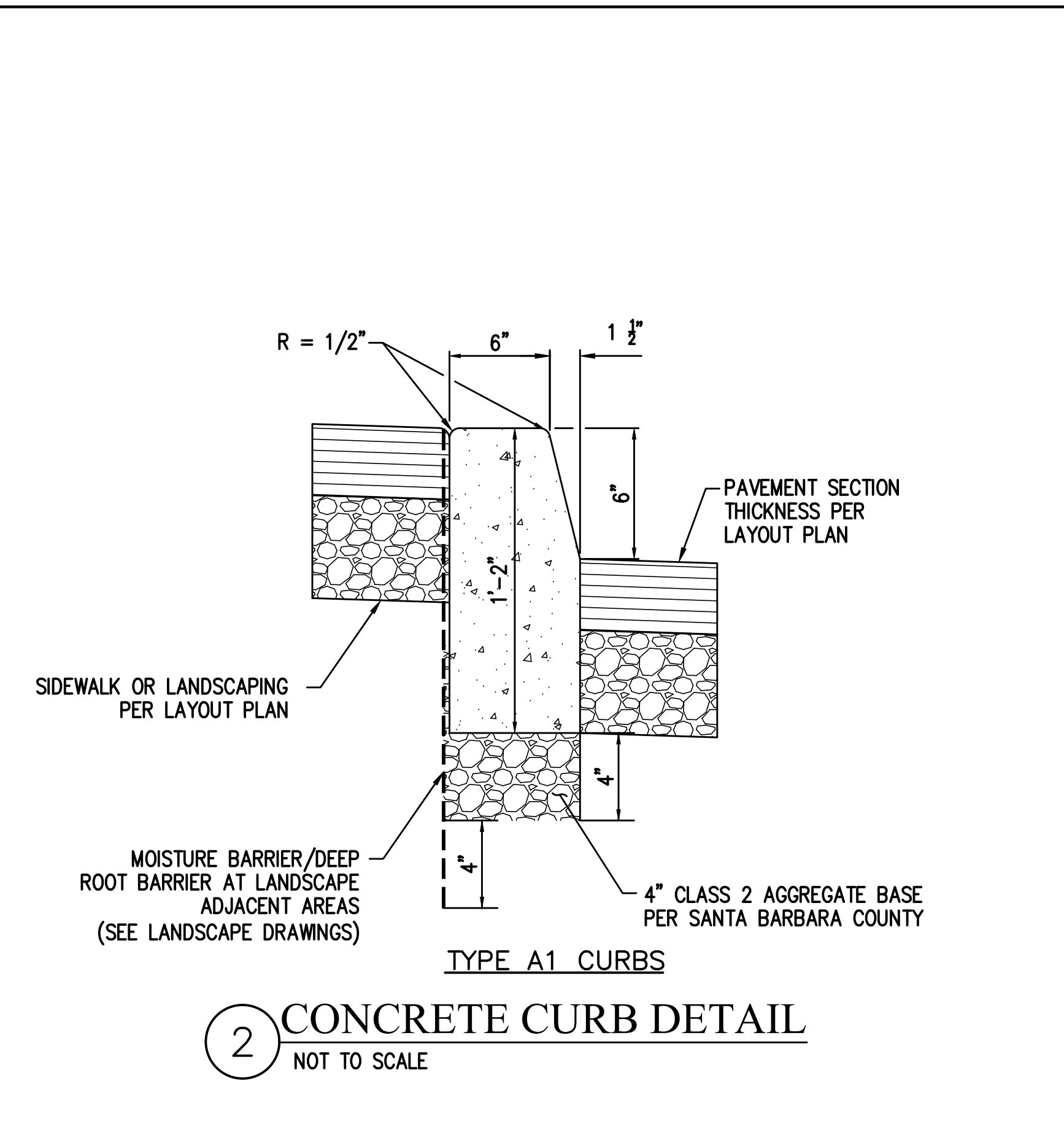


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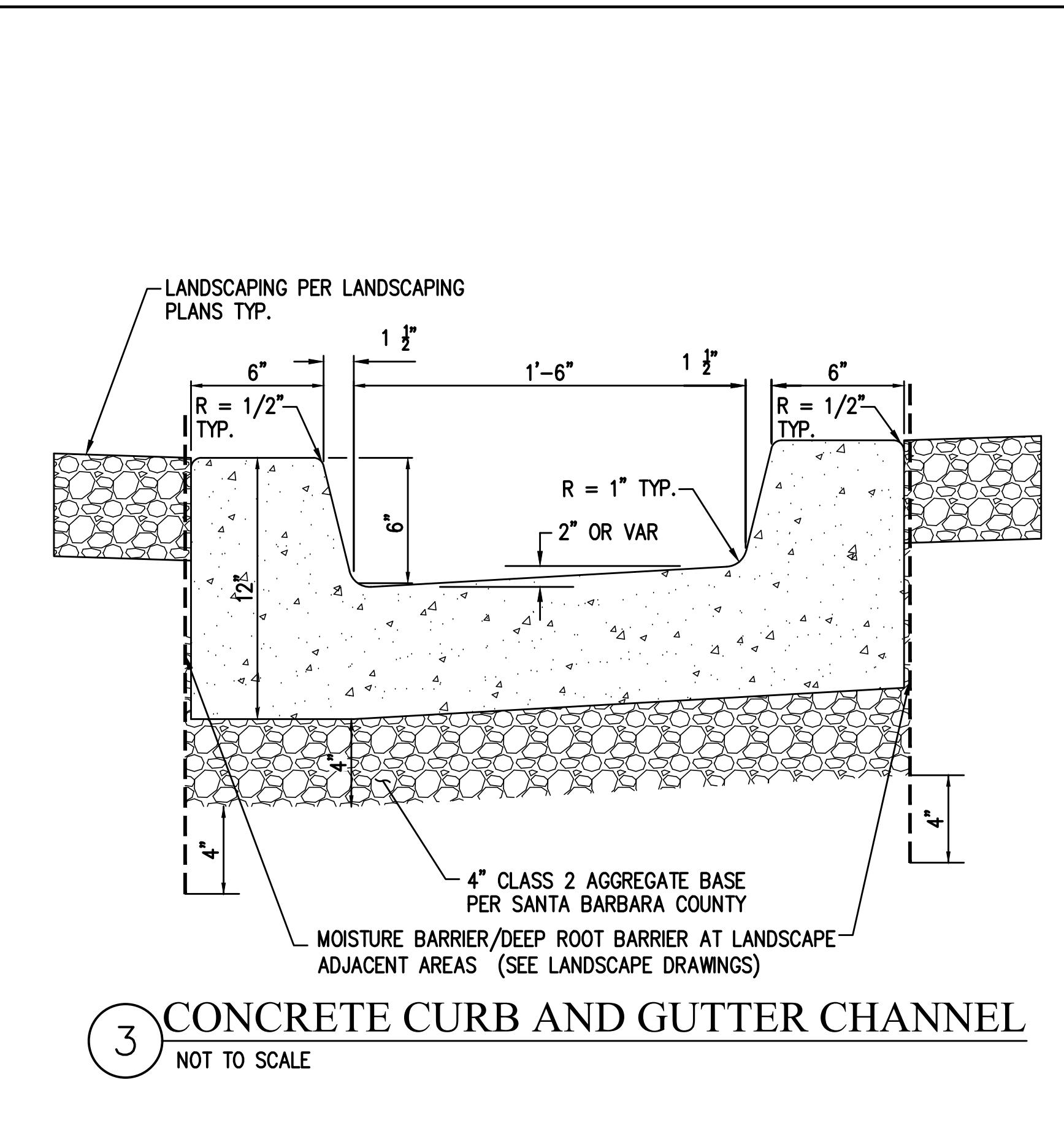
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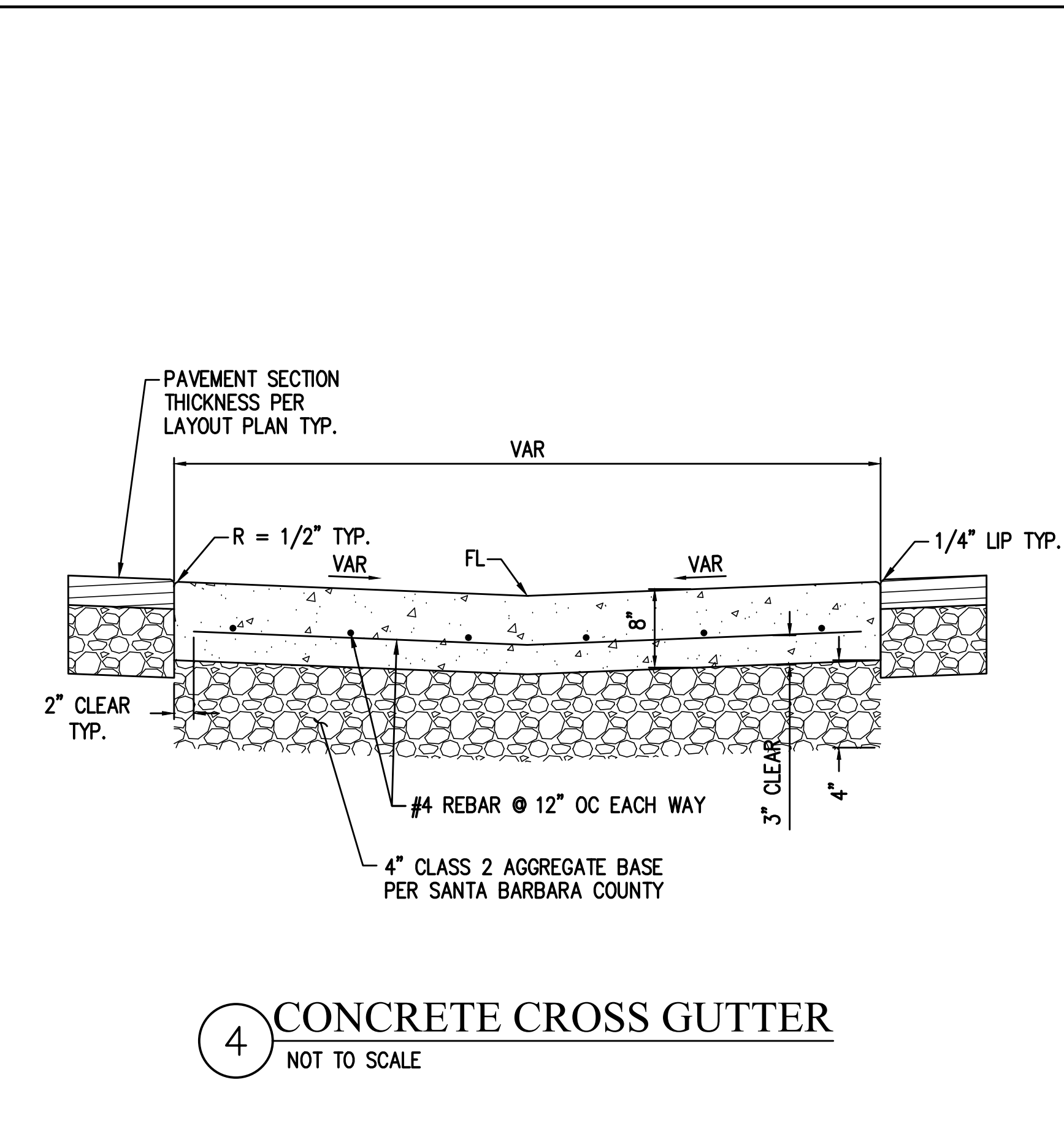
**1 CONCRETE CURB AND GUTTER DETAIL**  
NOT TO SCALE



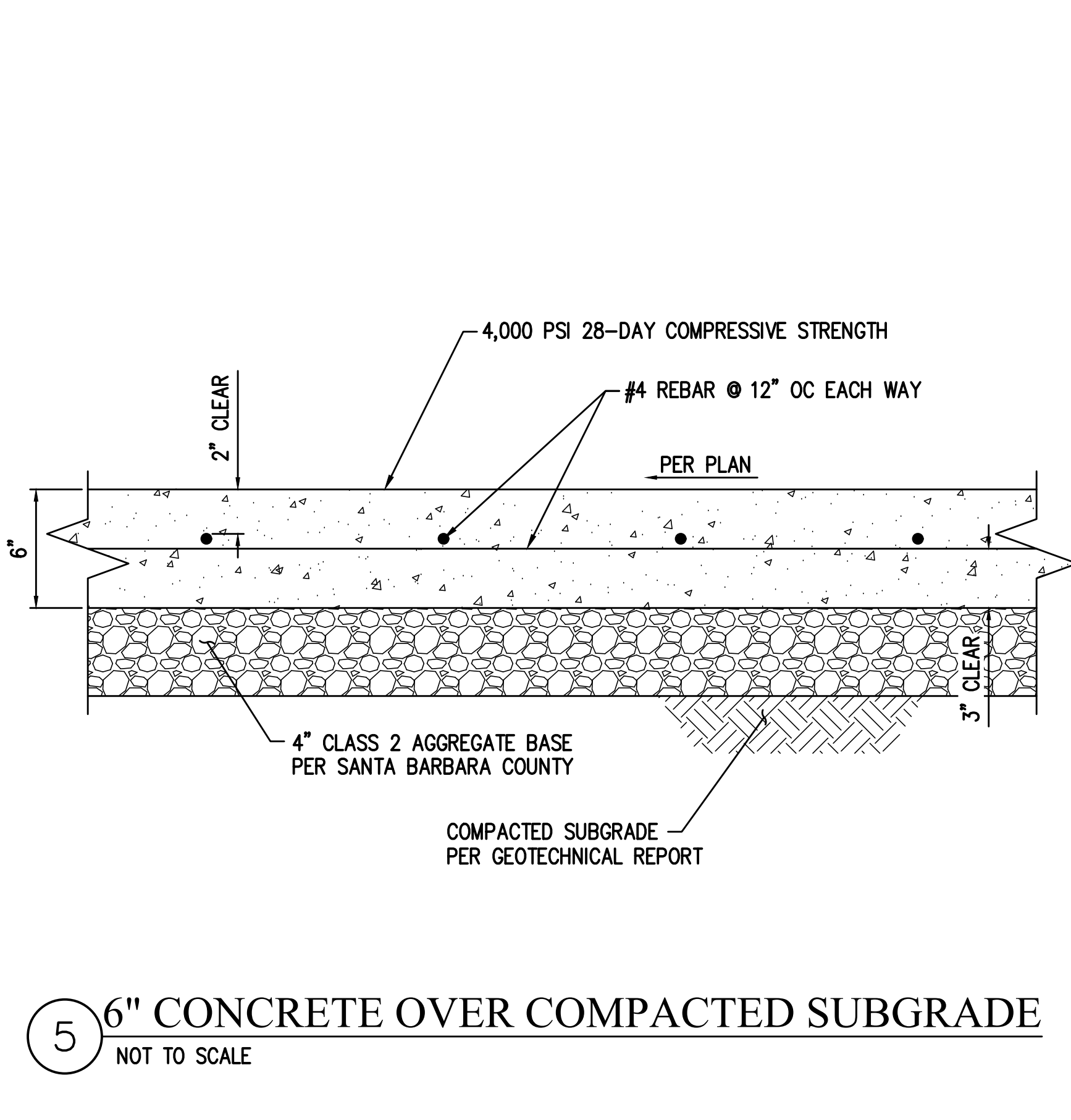
**2 CONCRETE CURB DETAIL**  
NOT TO SCALE



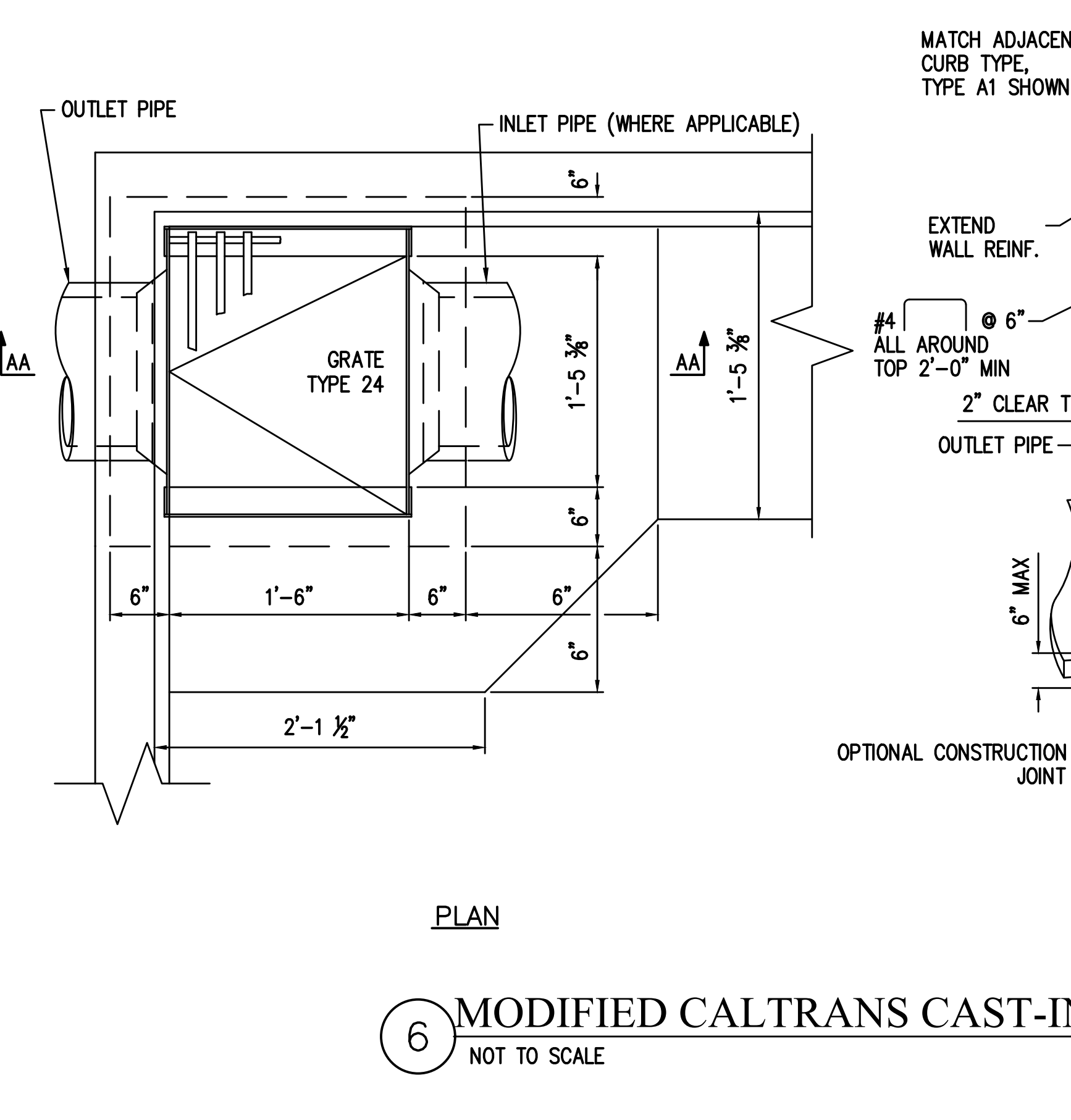
**3 CONCRETE CURB AND GUTTER CHANNEL**  
NOT TO SCALE



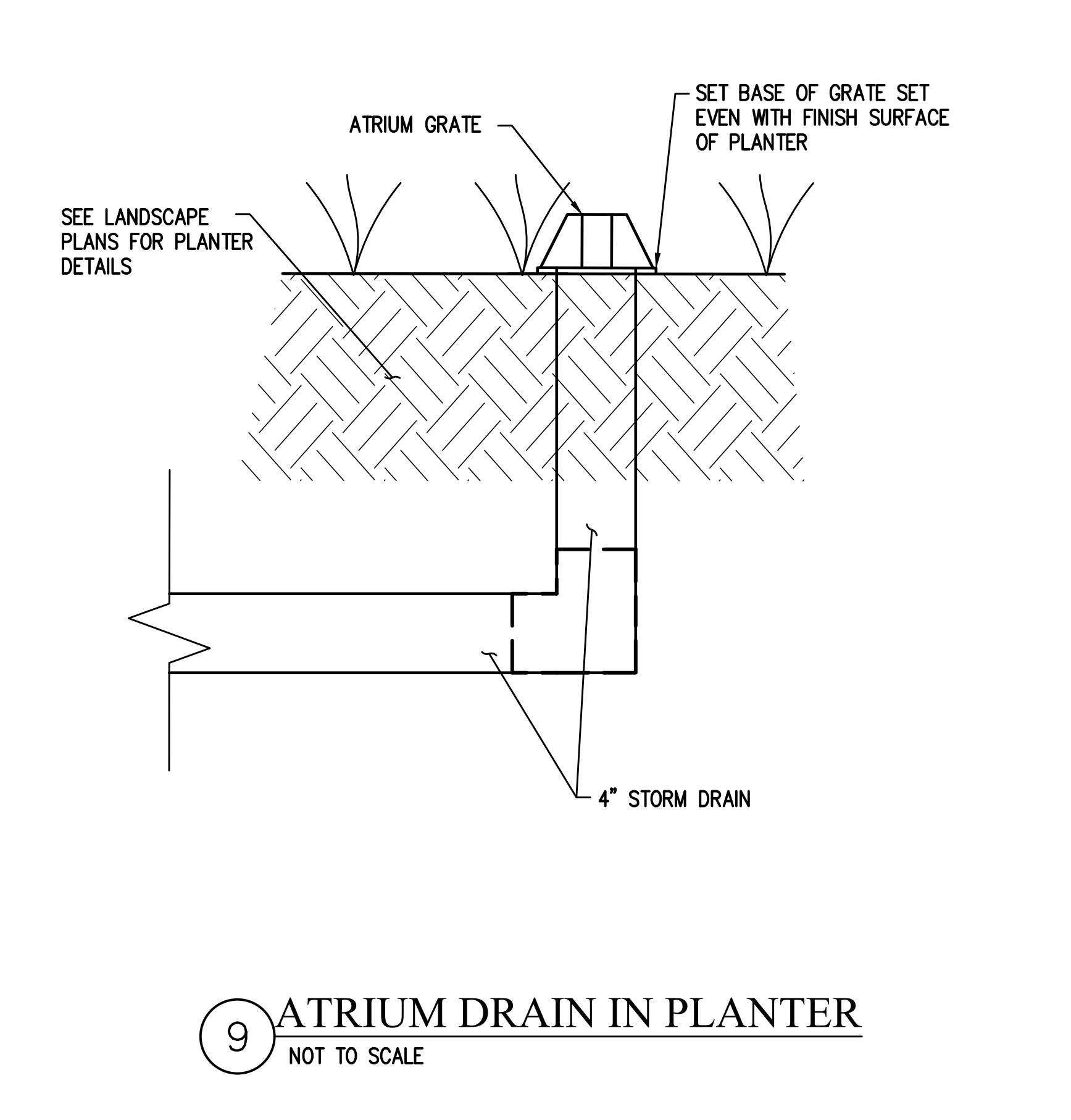
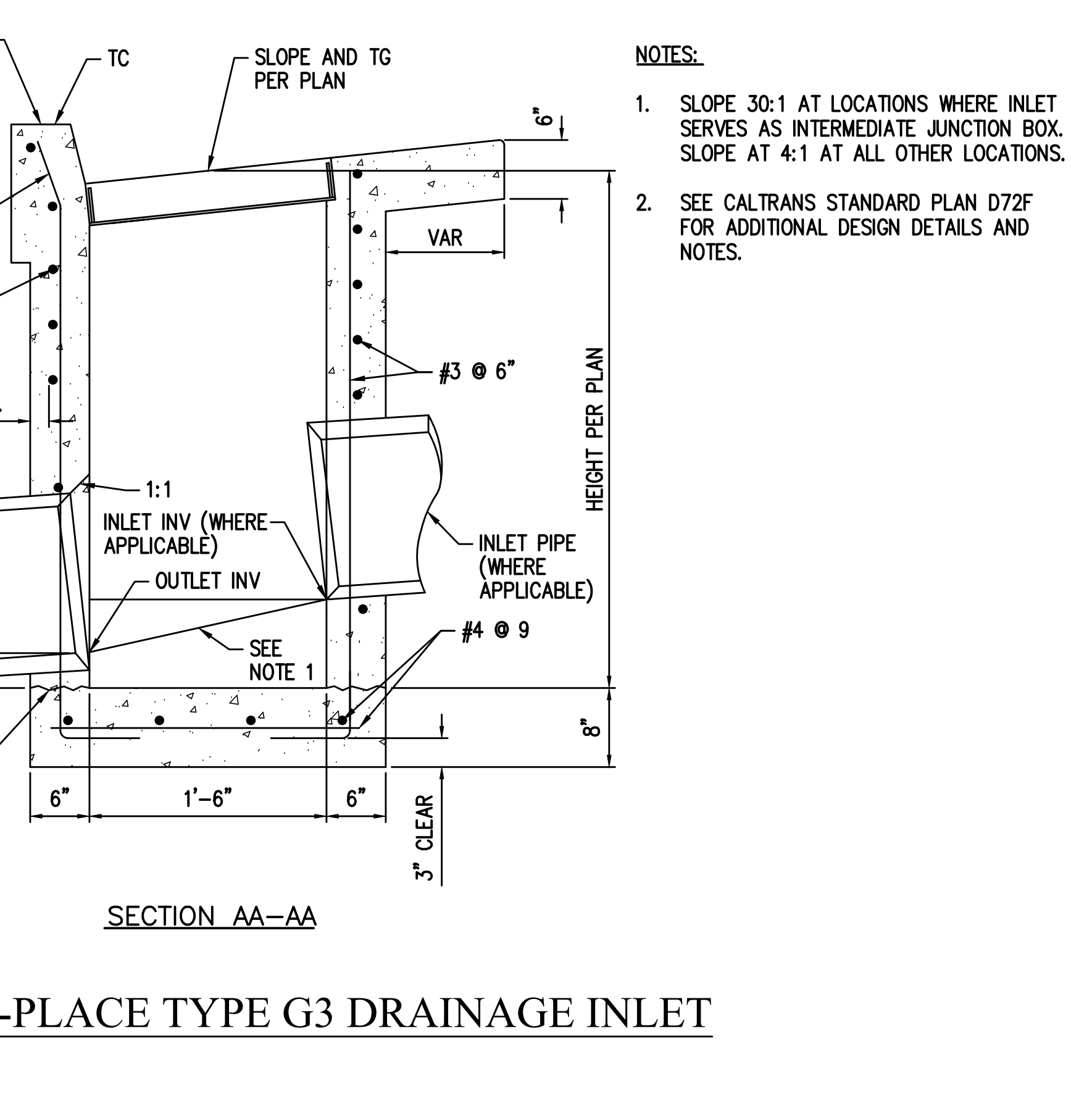
**4 CONCRETE CROSS GUTTER**  
NOT TO SCALE



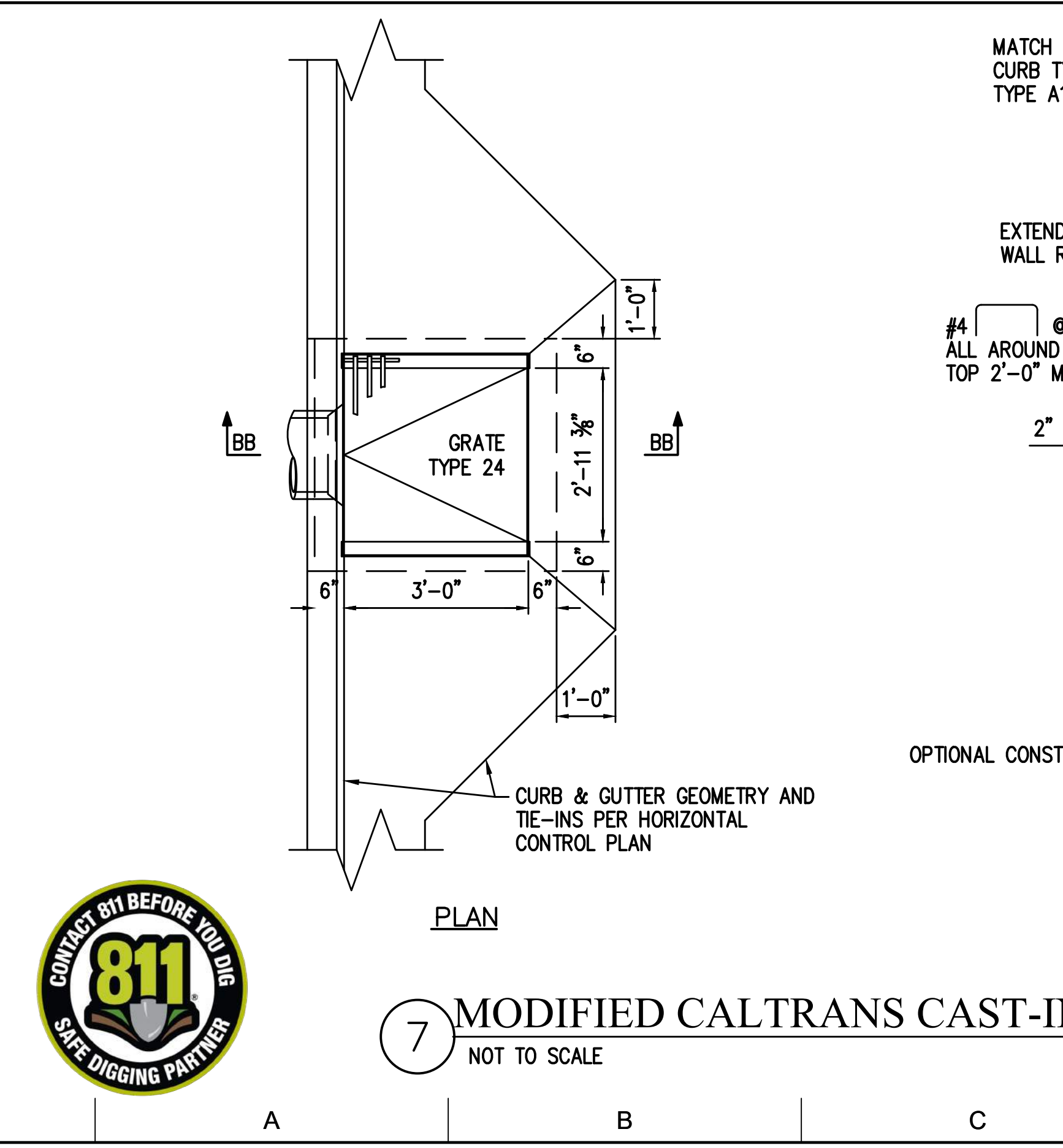
**5 6" CONCRETE OVER COMPACTED SUBGRADE**  
NOT TO SCALE



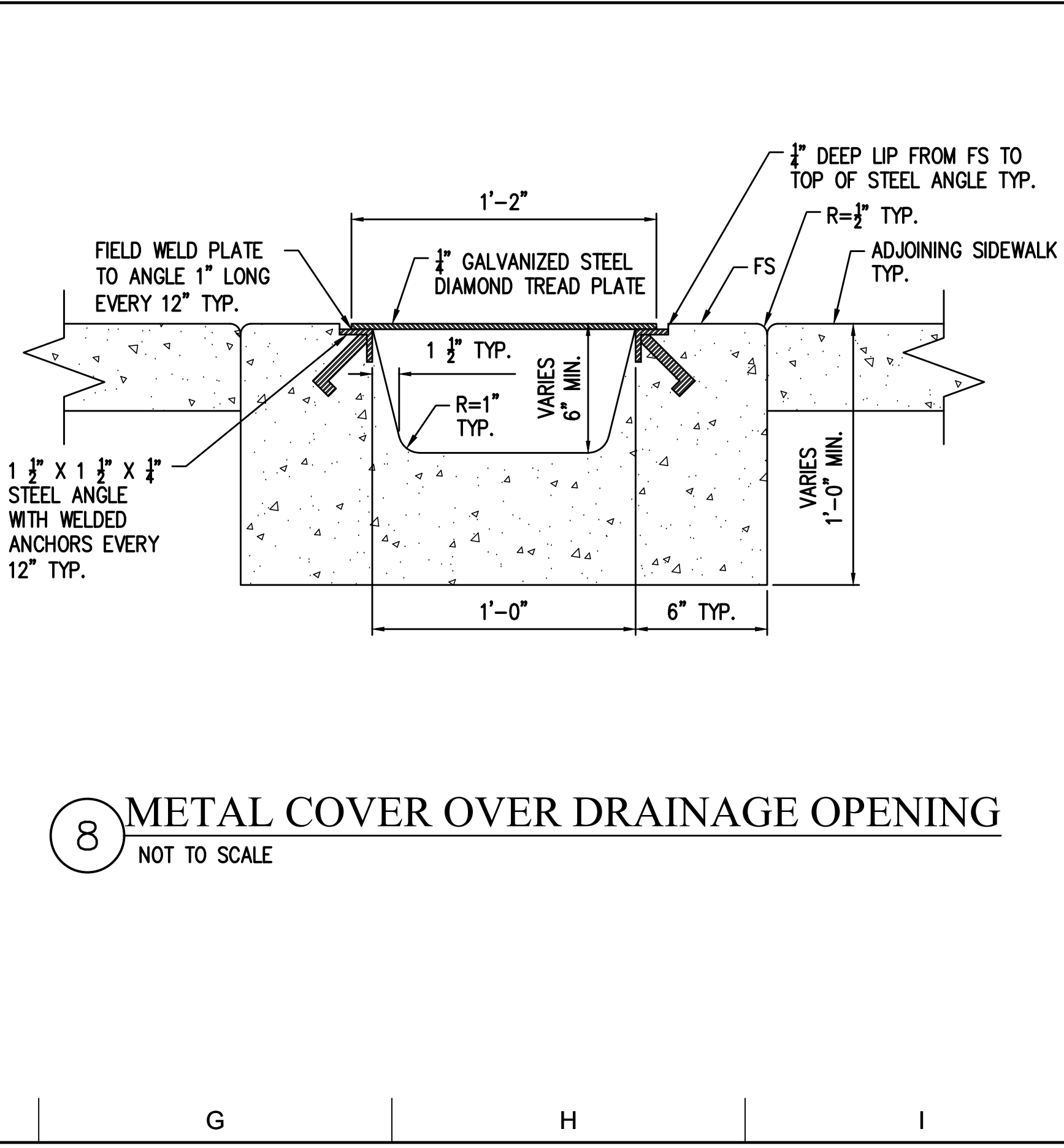
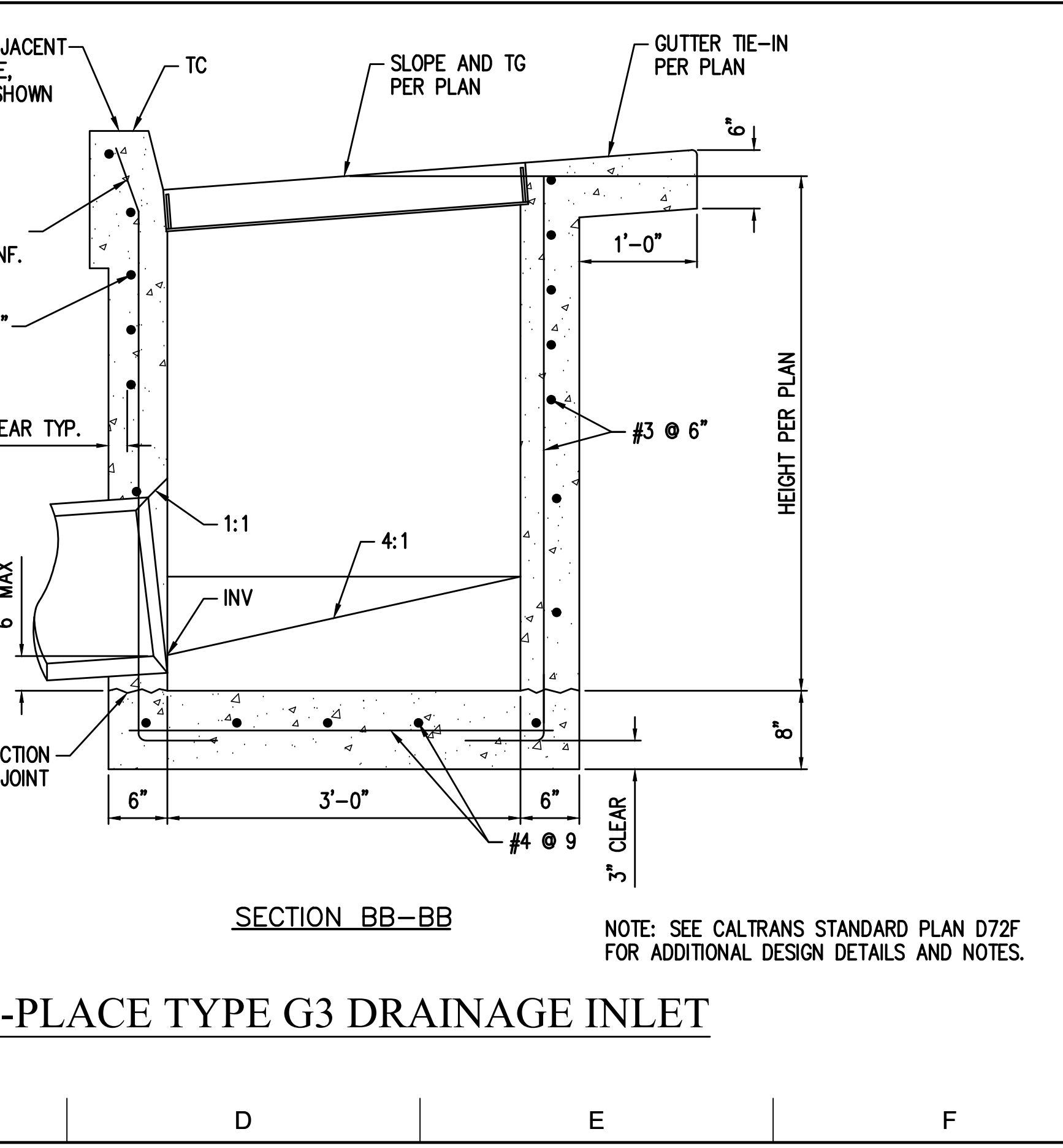
**6 MODIFIED CALTRANS CAST-IN-PLACE TYPE G3 DRAINAGE INLET**  
NOT TO SCALE



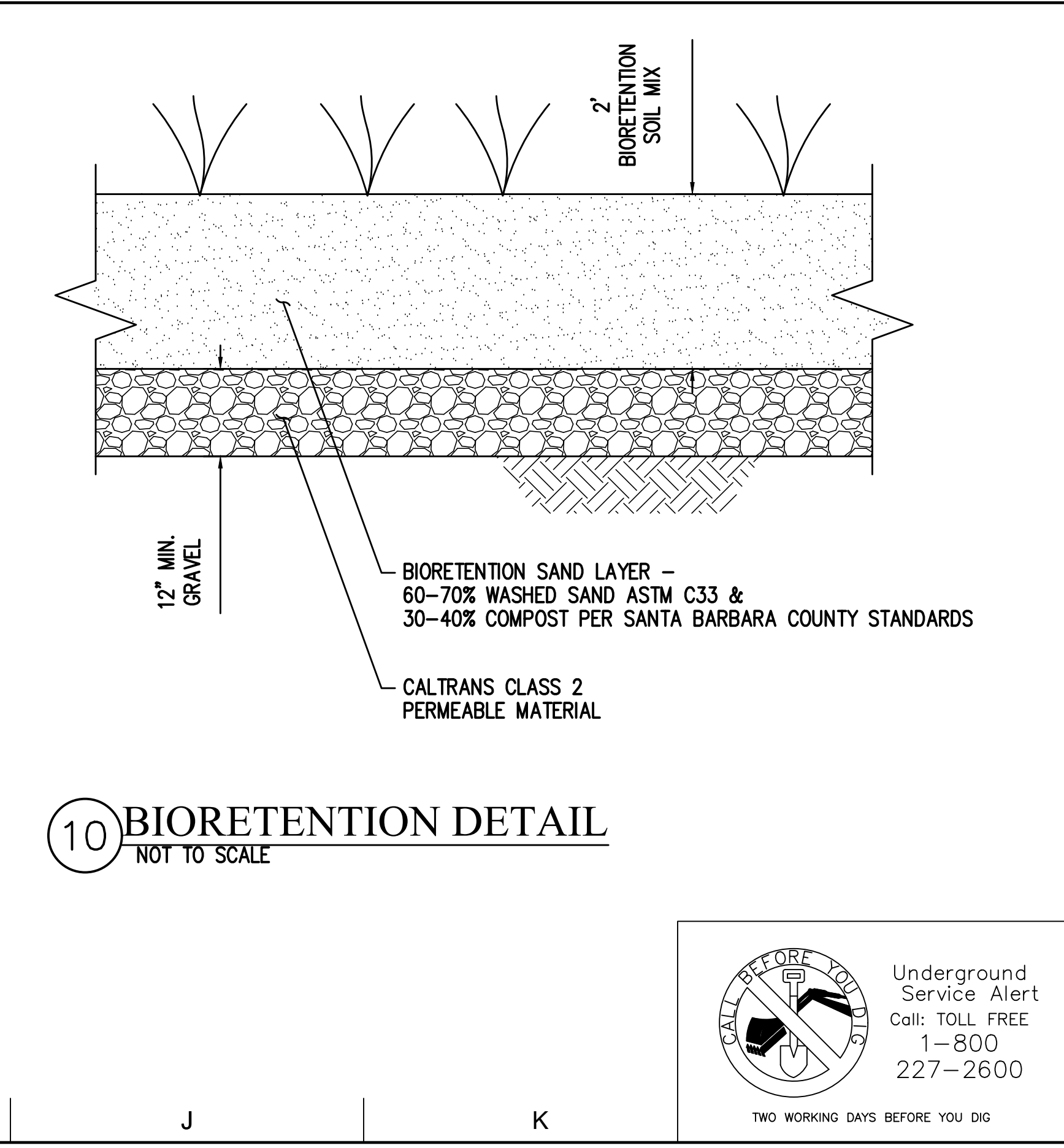
**9 ATRIUM DRAIN IN PLANTER**  
NOT TO SCALE



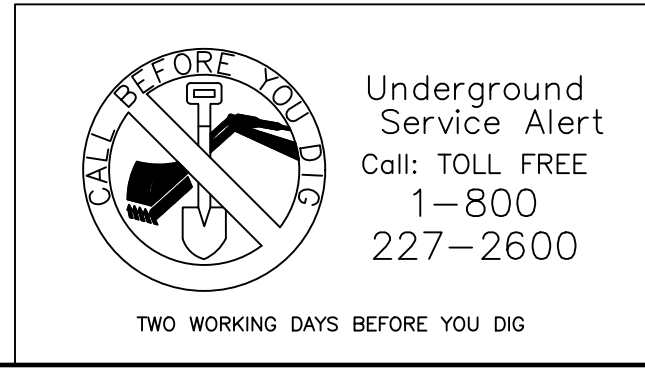
**7 MODIFIED CALTRANS CAST-IN-PLACE TYPE G3 DRAINAGE INLET**  
NOT TO SCALE



**8 METAL COVER OVER DRAINAGE OPENING**  
NOT TO SCALE



**10 BIORETENTION DETAIL**  
NOT TO SCALE



**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**CIVIL DETAILS**

PLAN CHECK #CIP-9079  
**C-601**  
 2019-GTD  
 NO SCALE  
 CITY RESUBMITTAL  
 ISSUED AS 03/04/24  
 SHEET 018 OF 235

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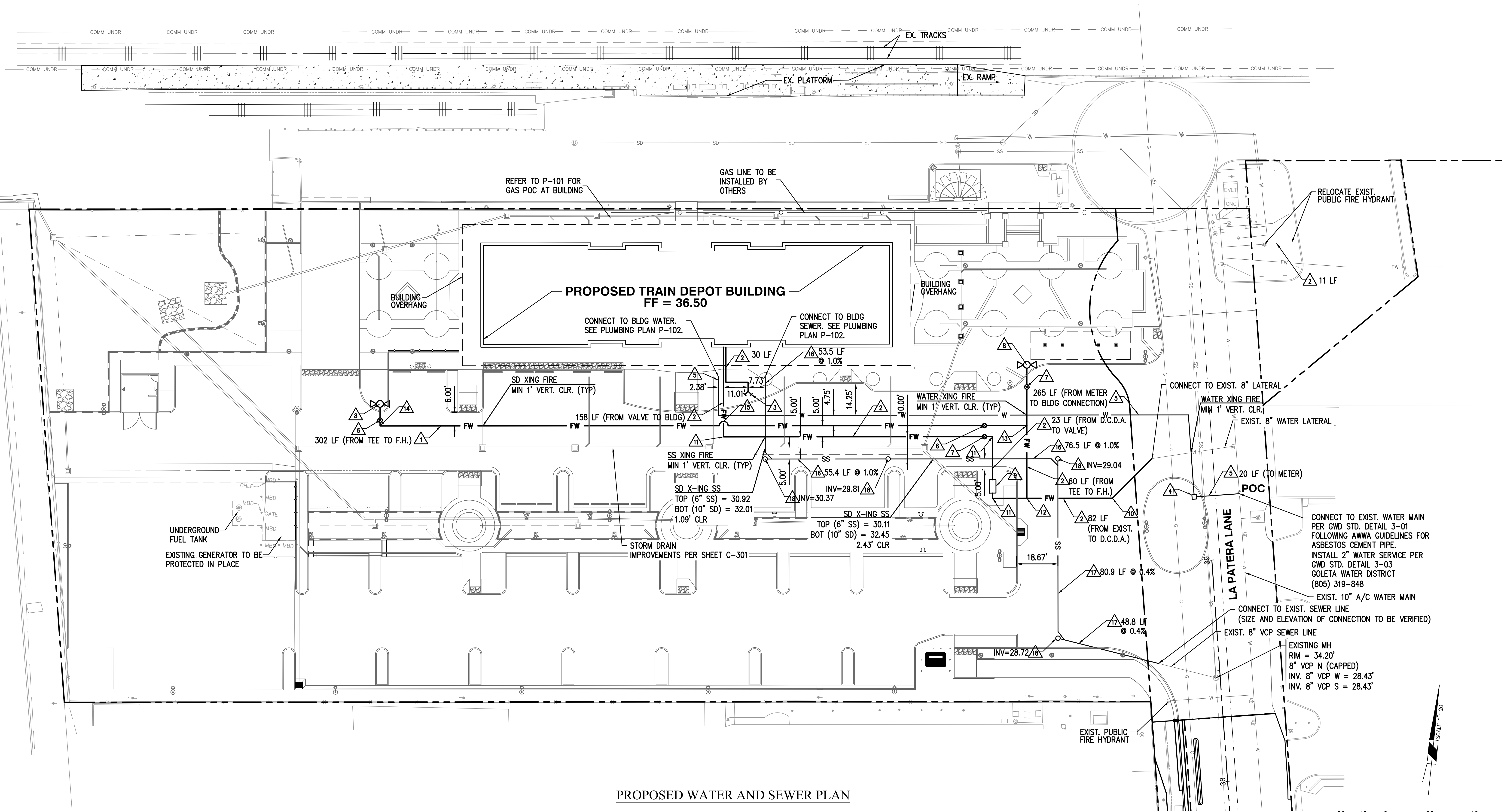
**GOLETA TRAIN DEPOT**  
27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
CITY OF GOLETA  
130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**PROPOSED WATER AND SEWER PLAN**



PLAN CHECK #CIP-9079  
**U-301**  
2019-GTD  
JOB NUMBER  
1" = 20'-0"  
CITY RESUBMITTAL  
ISSUED AS  
03/04/24  
ISSUE DATE  
SHEET 019 OF 235

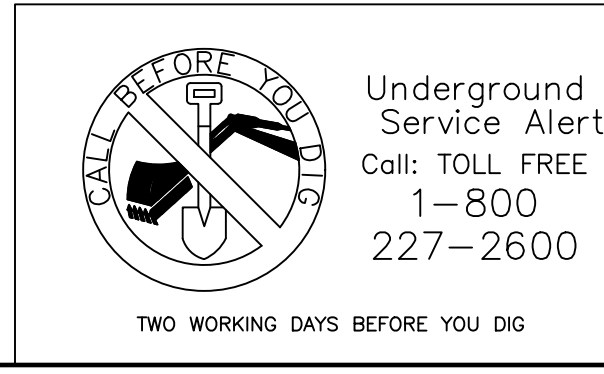
ISSUE FOR BID 03-04-2024



PROPOSED WATER AND SEWER PLAN

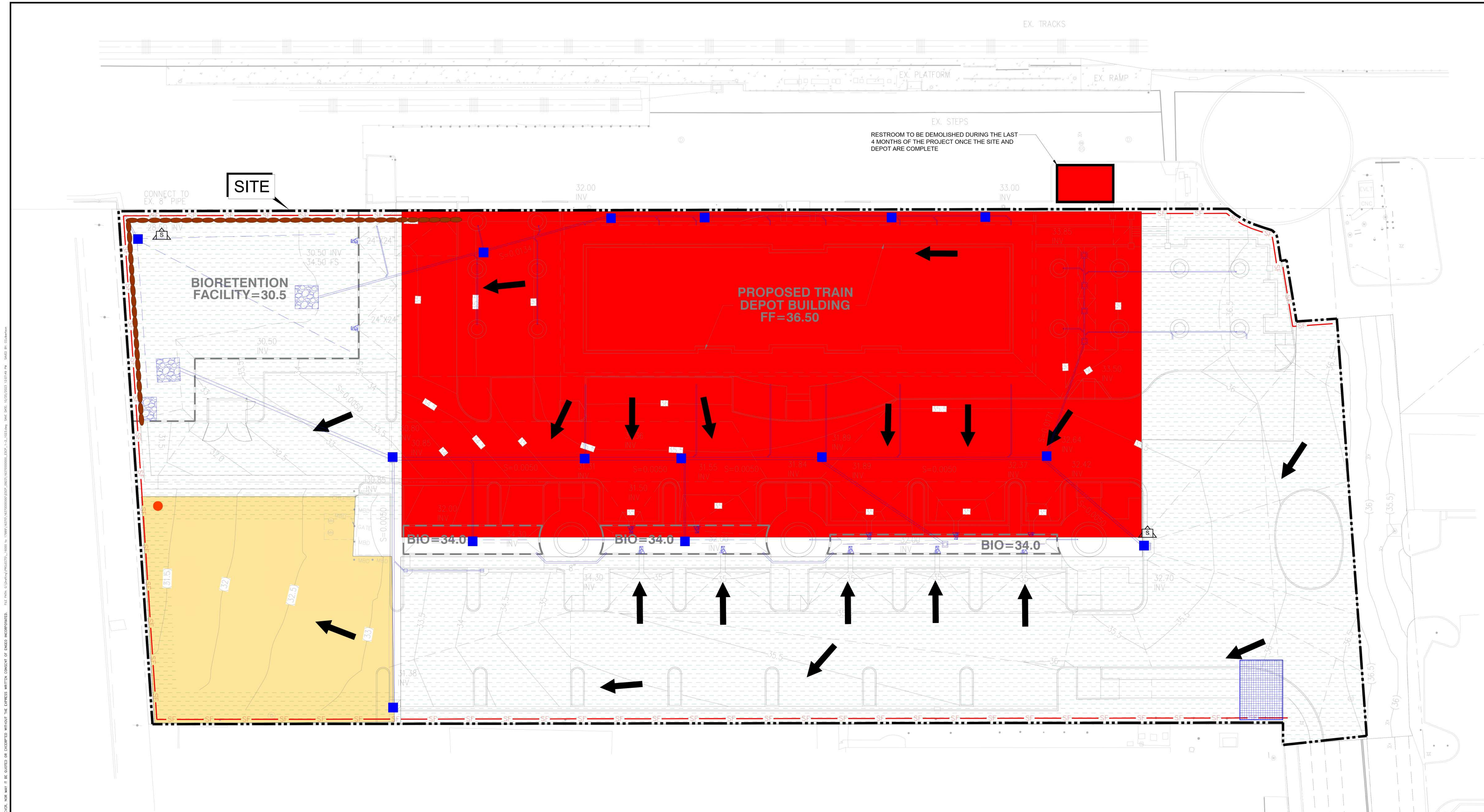
- CONSTRUCTION NOTES:**
- 1. INSTALL 6" PVC FIRE LINE, C900 CL 305 DR14. SEE GWD STD DETAIL 2-03 FOR TYPICAL TRENCH DETAIL.
  - 2. INSTALL 8" PVC FIRE LINE, C900 CL 305 DR14. SEE GWD STD DETAIL 2-03 FOR TYPICAL TRENCH DETAIL.
  - 3. INSTALL FDC
  - 4. INSTALL 2" WATER METER PER GWD STD DETAILS 3-05 AND 3-11.
  - 5. INSTALL 2" DOMESTIC WATER LINE. SEE GWD STD DETAIL 2-03 FOR TYPICAL TRENCH DETAIL.
  - 6. INSTALL 6" GATE VALVE.
  - 7. INSTALL 8" GATE VALVE.
  - 8. INSTALL FIRE HYDRANT PER GWD STD DETAIL 4-02.
  - 9. INSTALL DOUBLE DETECTOR CHECK PER GWD STD DETAIL 5-03.
  - 10. INSTALL 8"x45" BEND.
  - 11. INSTALL 8"x90" BEND.
  - 12. INSTALL 8"x8" TEE.
  - 13. INSTALL 8"x6" TEE.
  - 14. INSTALL 6"x90" BEND.
  - 15. INSTALL (4) 45° VERT. BENDS W/THRUST BLOCKS, AND MAINTAIN VERTICAL SEPARATION PER GWD STD DETAIL 2-08.
  - 16. INSTALL 6" PVC SEWER LINE, SDR 35. (SEE GWD STD DWG NO. 4 FOR TRENCH BACKFILL REQUIREMENTS).
  - 17. INSTALL 8" PVC SEWER LINE, SDR 35. (SEE GWD STD DWG NO. 4 FOR TRENCH BACKFILL REQUIREMENTS).
  - 18. INSTALL SEWER CLEANOUT PER GSD STD DWG NO. 6.

- NOTES:**
1. INSTALL FIRE LINE WITH 5' COVER (TYP.) TO ENSURE NO CONFLICTS WITH OTHER CROSSING UTILITIES.
  2. FOR THRUST BLOCK DETAIL AT BENDS, TEES, VALVES, AND FITTINGS, SEE GWD STD DETAIL 3-09.
  3. CONTRACTOR TO FIELD VERIFY POINTS OF CONNECT AND OBTAIN APPROVAL FROM CITY PRIOR TO CONNECTION.
  4. SEE PLUMBING PLANS FOR WATER AND SEWER CONNECTION POINTS AND FOR SERVICE INSIDE OF THE BUILDING.
  5. SEE FIRE PROTECTION PLANS FOR ADDITIONAL DETAIL.



Underground Service Alert  
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TWO WORKING DAYS BEFORE YOU DIG

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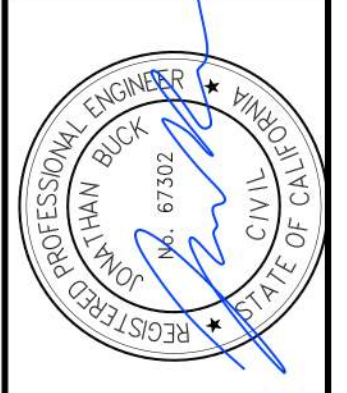
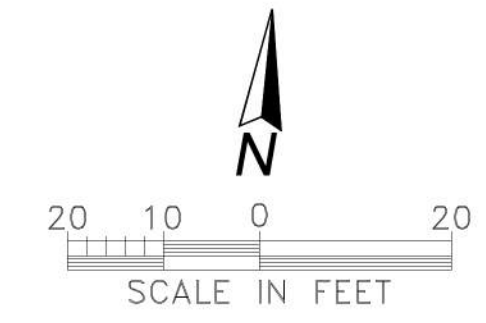
**GENERAL NOTES:**

1. STAGING AND MATERIAL STORAGE AREA WILL IMPLEMENT CASQA DEVELOPMENT CALIFORNIA BMP HANDBOOK FACT SHEETS NS-10, WM-1, WM-2, WM-4, WM-5.
2. SEE DEMOLITION PLAN FOR SITE SPECIFIC DEMOLITION REQUIREMENTS.
3. PROTECT DISTURBED AREAS WITH TEMPORARY STABILIZATION MEASURES, SUCH AS EROSION CONTROL FABRIC OR TARPS WITH SANDBAGS WHEN INACTIVE FOR 14 DAYS OR MORE.
4. TEMPORARY STOCKPILES SHOULD BE SURROUNDED WITH FIBER ROLLS OR GRAVEL/SANDBAG BERM AND COVERED WHEN NOT IN USE.
5. STORE CONSTRUCTION MATERIAL AND EQUIPMENT UNDER COVER AND ON SECONDARY CONTAINMENT WHENEVER POSSIBLE.
6. PLACE DRIP PANS OR ABSORBENT MATERIALS UNDER PAVING EQUIPMENT WHEN NOT IN USE.
7. SECONDARY CONTAINMENT SHALL BE IMPLEMENTED UNDER PORTABLE TOILETS PER CASQA DEVELOPMENT CALIFORNIA BMP HANDBOOK FACT SHEET WM-9.
8. STABILIZED CONSTRUCTION ENTRANCE PER CASQA DEVELOPMENT CALIFORNIA BMP HANDBOOK FACT SHEET TC-1 WILL BE UTILIZED.
9. SWEEPING AND VACUUMING SHALL BE IMPLEMENTED DURING PREPARATION OF PAVED SURFACES FOR FINAL PAVING.
10. PER CASQA DEVELOPMENT CALIFORNIA BMP HANDBOOK, DEMOLITION OF BUILDING WILL UTILIZE THE FOLLOWING BMP FACT SHEETS: SD-34 (OUTDOOR MATERIAL STORAGE AREAS), WM-3 (STOCKPILE MANAGEMENT), WM-4 (SPILL PREVENTION & CONTROL), WM-5 (SOLID WASTE MANAGEMENT), WM-8 (CONCRETE WASTE MANAGEMENT)
11. PER CASQA DEVELOPMENT CALIFORNIA BMP HANDBOOK, PAVING AND CORING OPERATIONS WILL UTILIZE BMP FACT SHEET NS-3 (PAVING AND GRINDING OPERATIONS).

**EXPLANATION**

ALL LOCATIONS ARE APPROXIMATE

- STORM DRAIN INLET PROTECTION (SEE DETAILS 1-3, SHEET E-2)
- CHEMICAL TOILET (SEE DETAILS 6, SHEET E-2)
- SAMPLE LOCATION
- SILT FENCE (SEE DETAIL 5, SHEET E-2)
- SANDBAG BERM (SEE DETAIL 7, SHEET E-2)
- DIRECTION OF FLOW
- PAVING AND SAW CUTTING LIMITS OF DISTURBANCE (SEE NOTES)
- STABILIZED CONSTRUCTION ENTRANCE / EXIT (SEE DETAIL 4, SHEET E-2)
- BUILDING DEMOLITION ACTIVITIES (SEE NOTES)
- CONTRACTOR STAGING AND MATERIAL STORAGE AREA (SEE NOTES)



DESIGNED BY: RR  
DRAWN BY: CC  
CHECKED BY: JDB  
DATE: SEPT., 2023  
SCALE: AS SHOWN

REV.	DATE	DESCRIPTION	BY

ISSUE FOR BID 03-04-2024

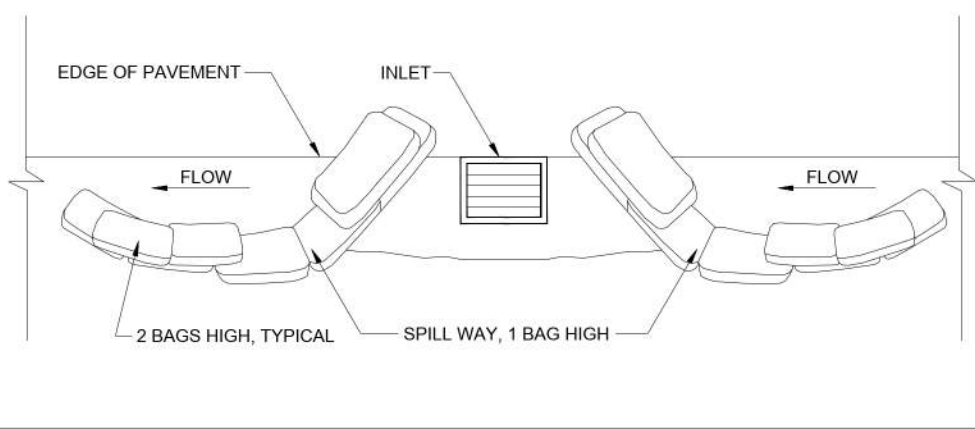
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SHEET NUMBER **EC-001**

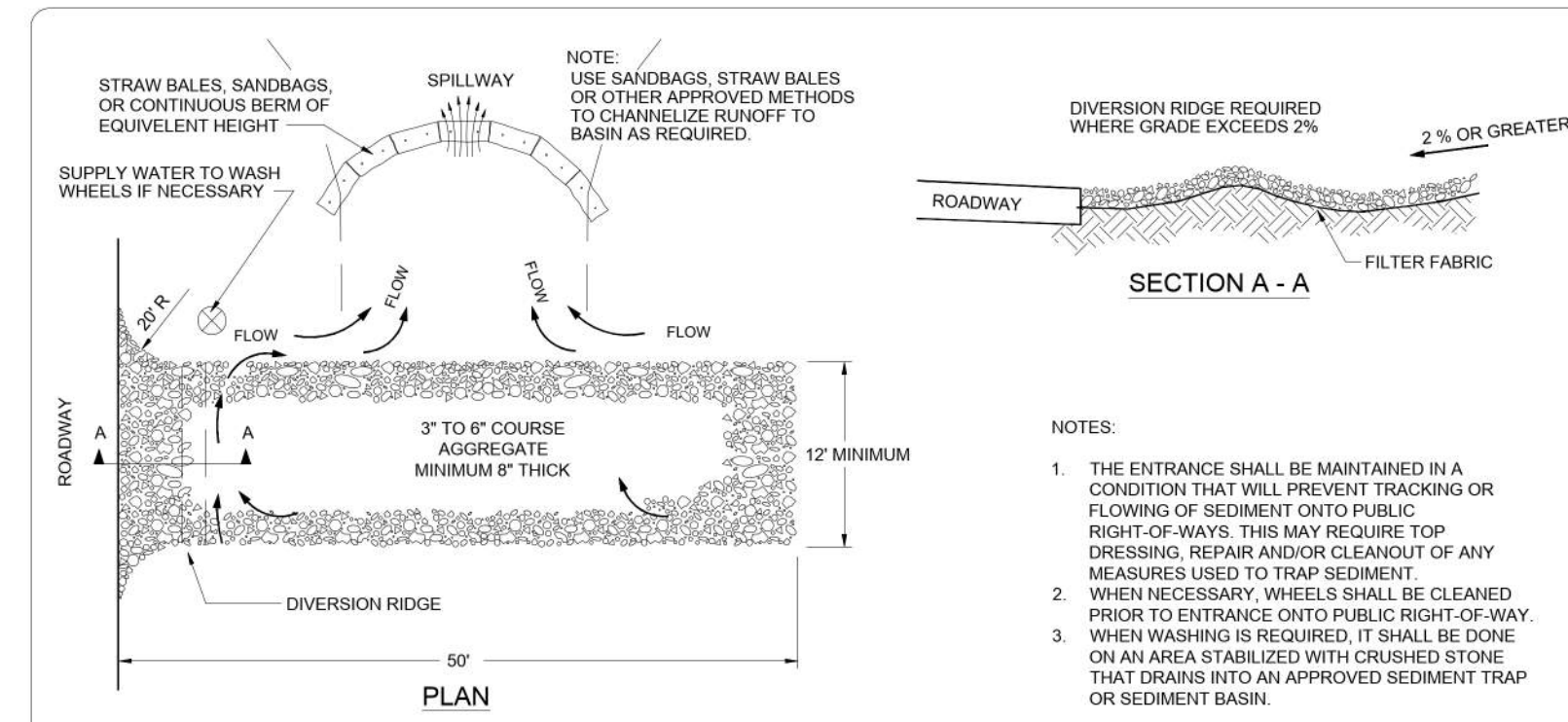
OF 2 SHEETS

PROJECT NO. 16370.000.000

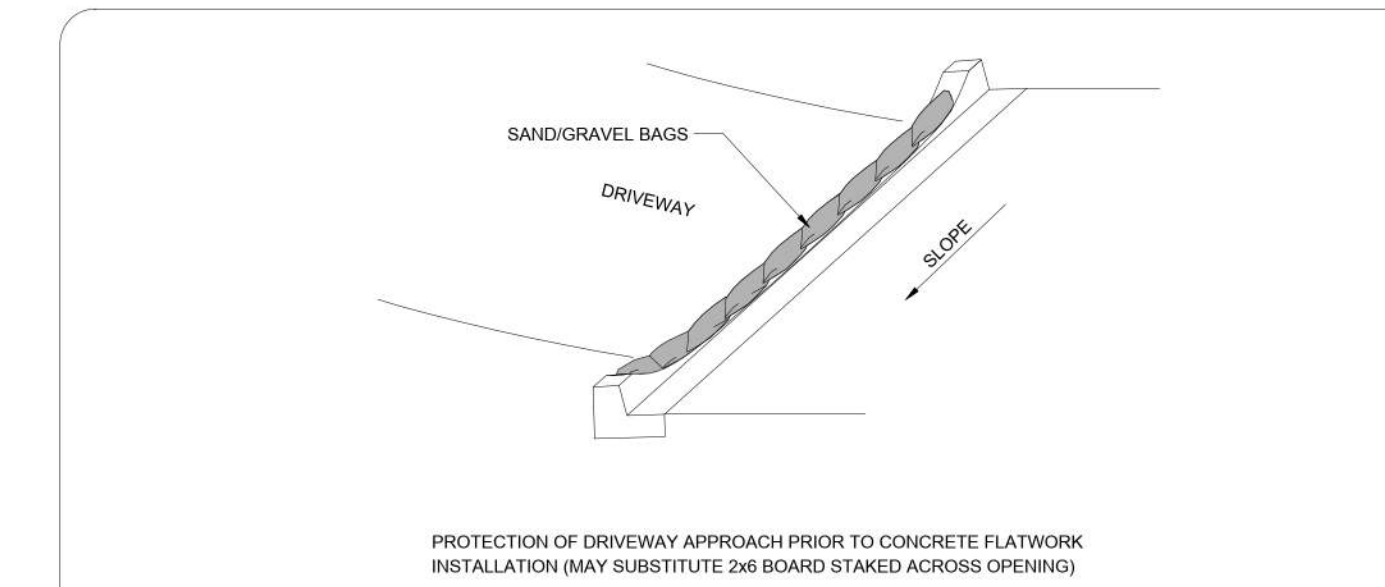
- NOTE
1. INTENDED FOR SHORT-TERM USE TO INHIBIT NON-STORM WATER FLOW
  2. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED
  3. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC



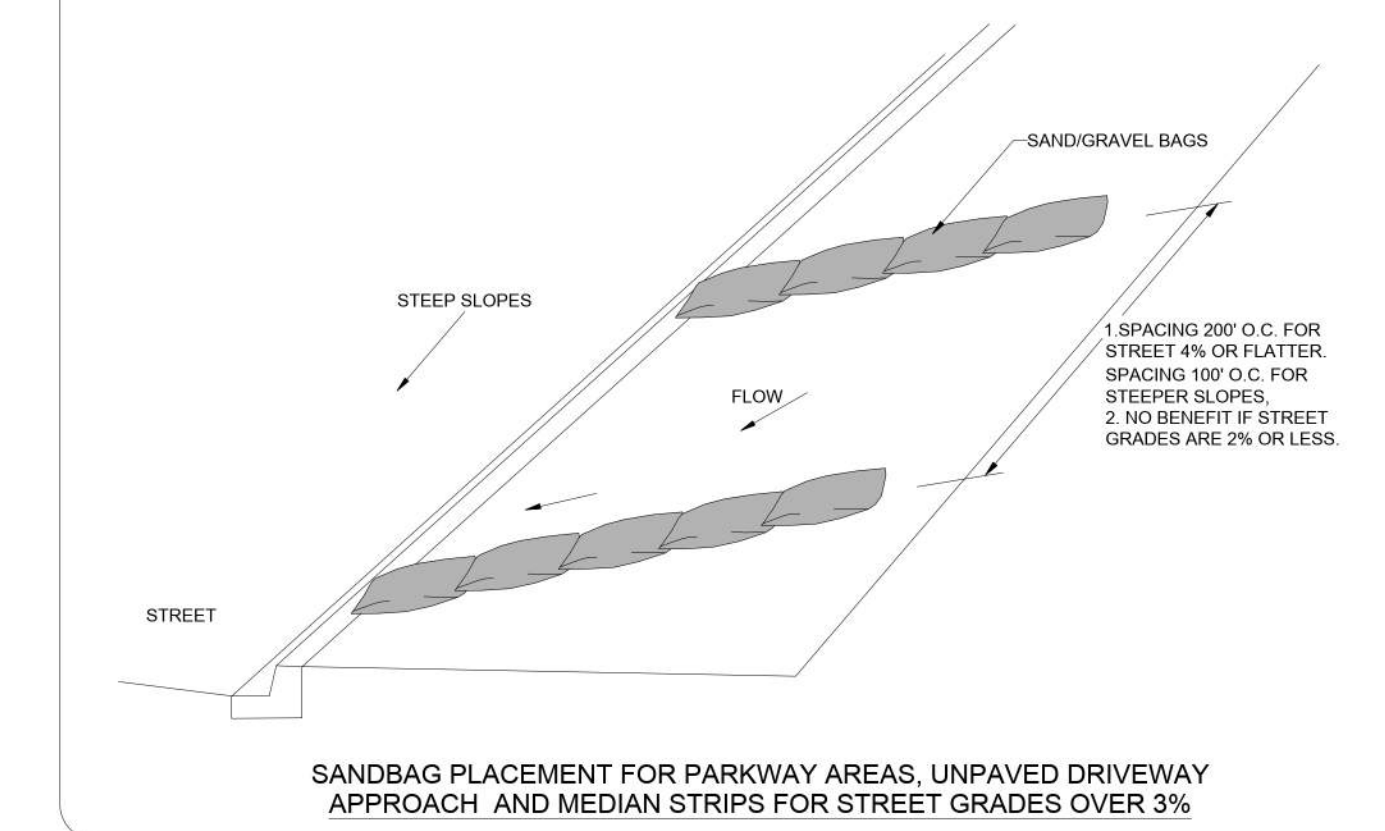
1 TYPICAL PROTECTION FOR INLET ON GRADE  
NO SCALE



4 STABILIZED CONSTRUCTION ENTRANCE/EXIT  
NO SCALE

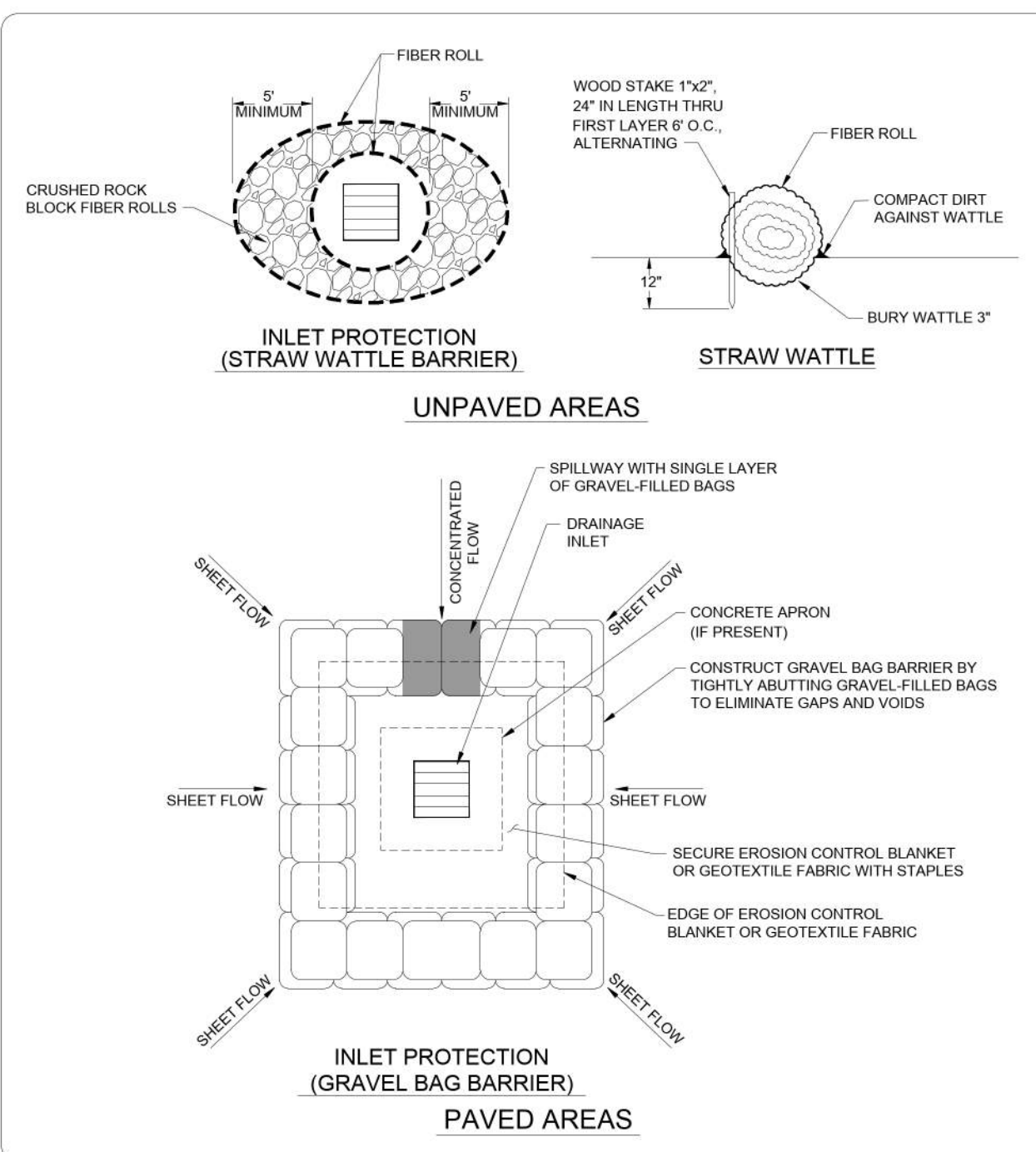


PROTECTION OF DRIVEWAY APPROACH PRIOR TO CONCRETE FLATWORK INSTALLATION (MAY SUBSTITUTE 2x6 BOARD STAKED ACROSS OPENING)

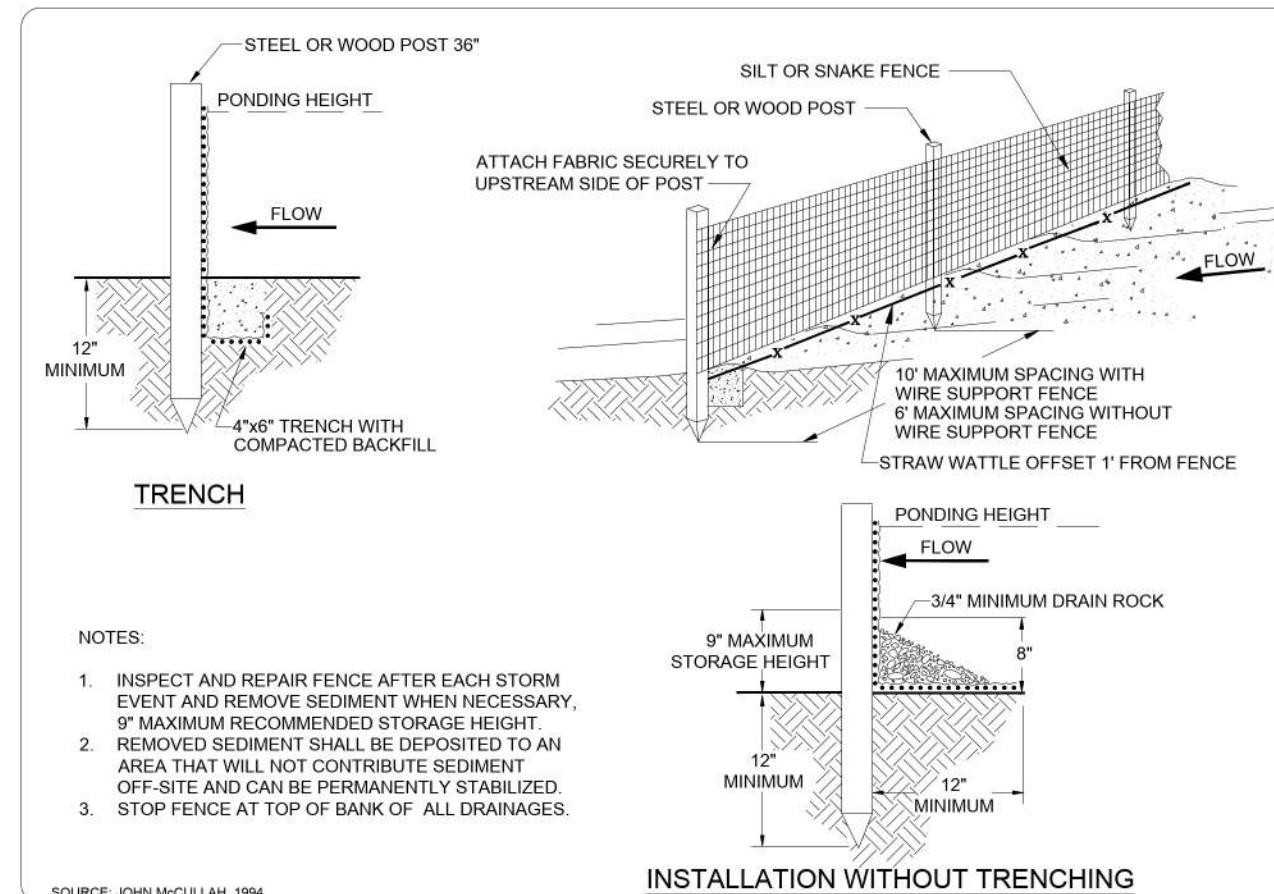


SANDBAG PLACEMENT FOR PARKWAY AREAS, UNPAVED DRIVEWAY APPROACH AND MEDIAN STRIPS FOR STREET GRADES OVER 3%

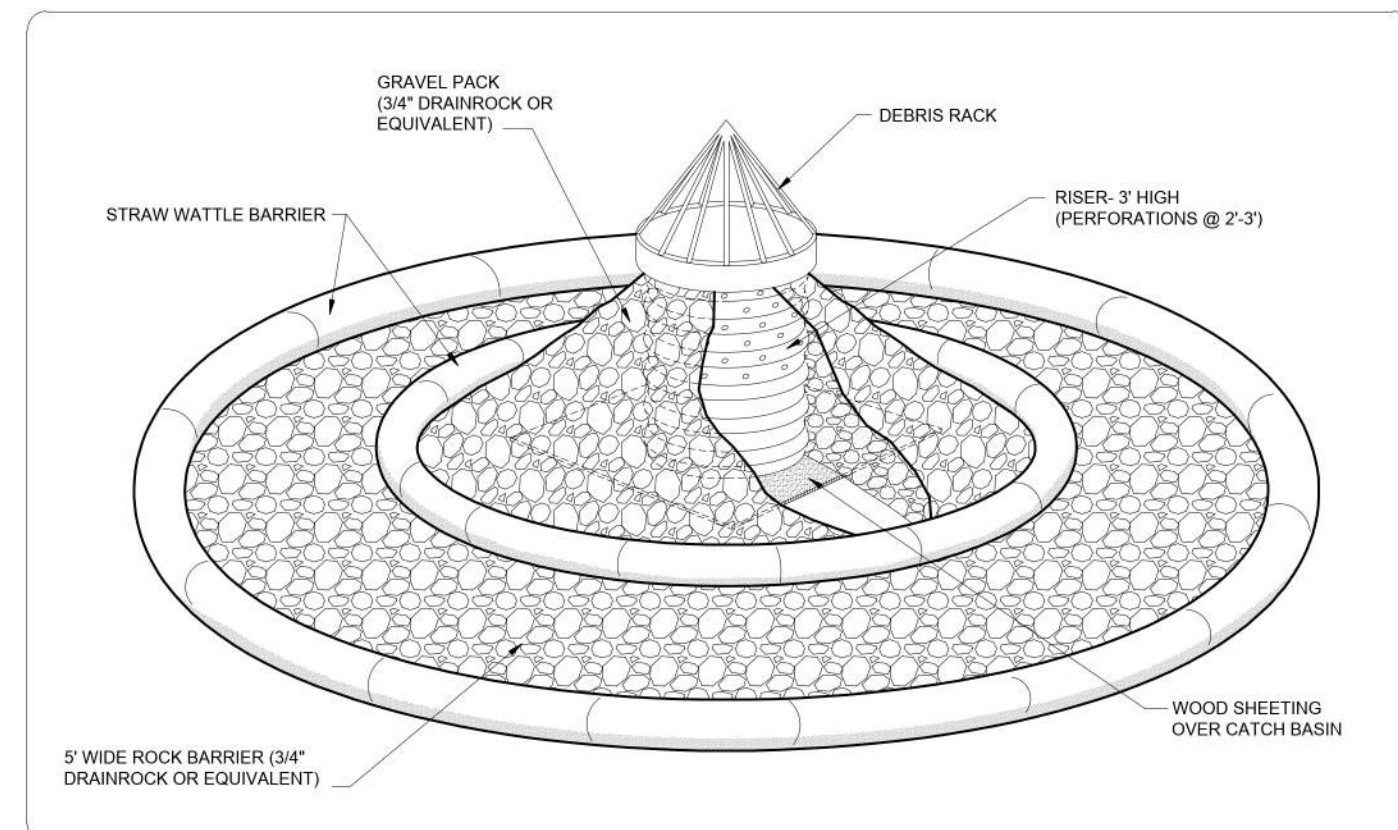
7 SANDBAG BERM  
NO SCALE



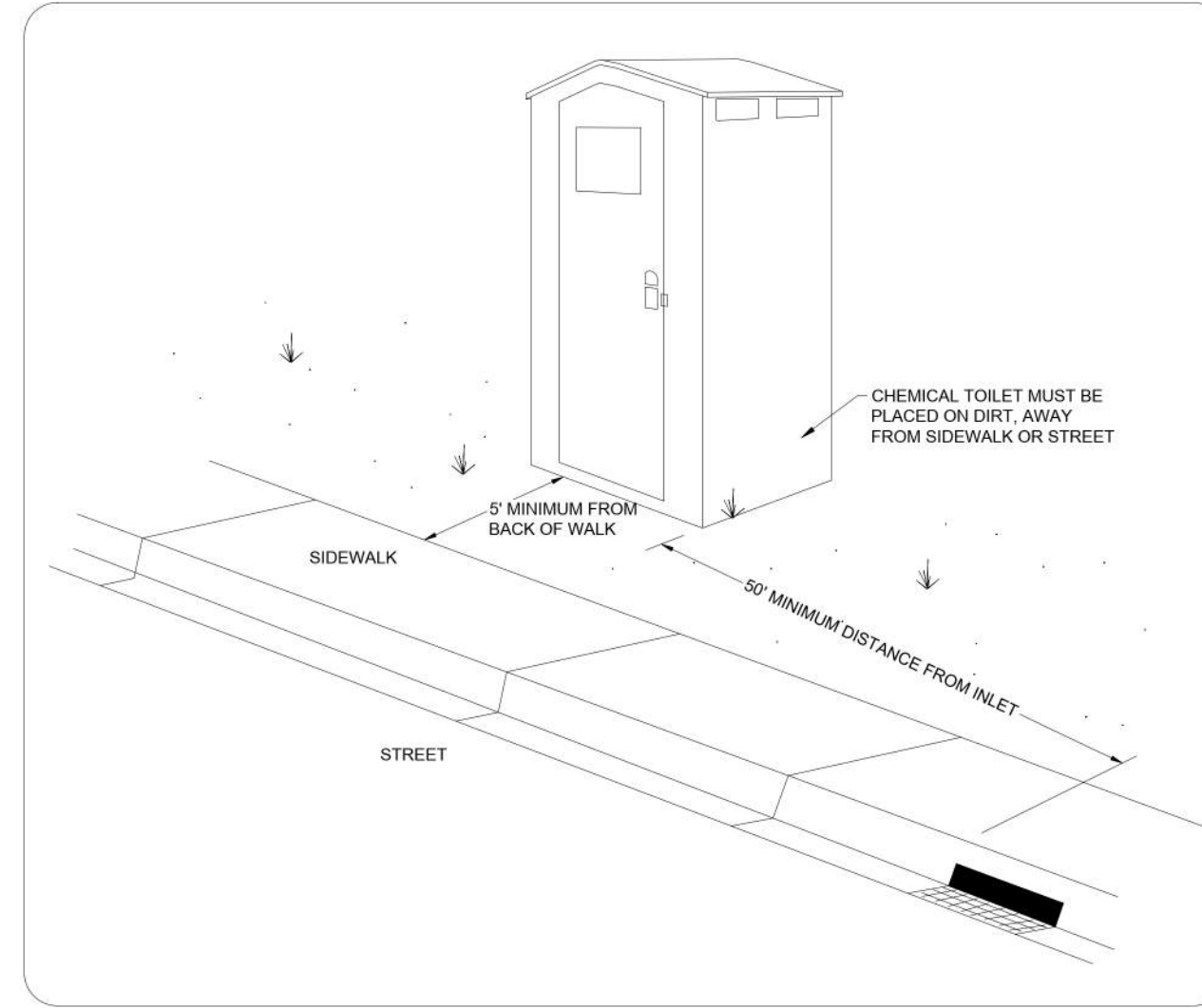
2 CATCH BASIN PROTECTION - GRADED AREAS  
NO SCALE



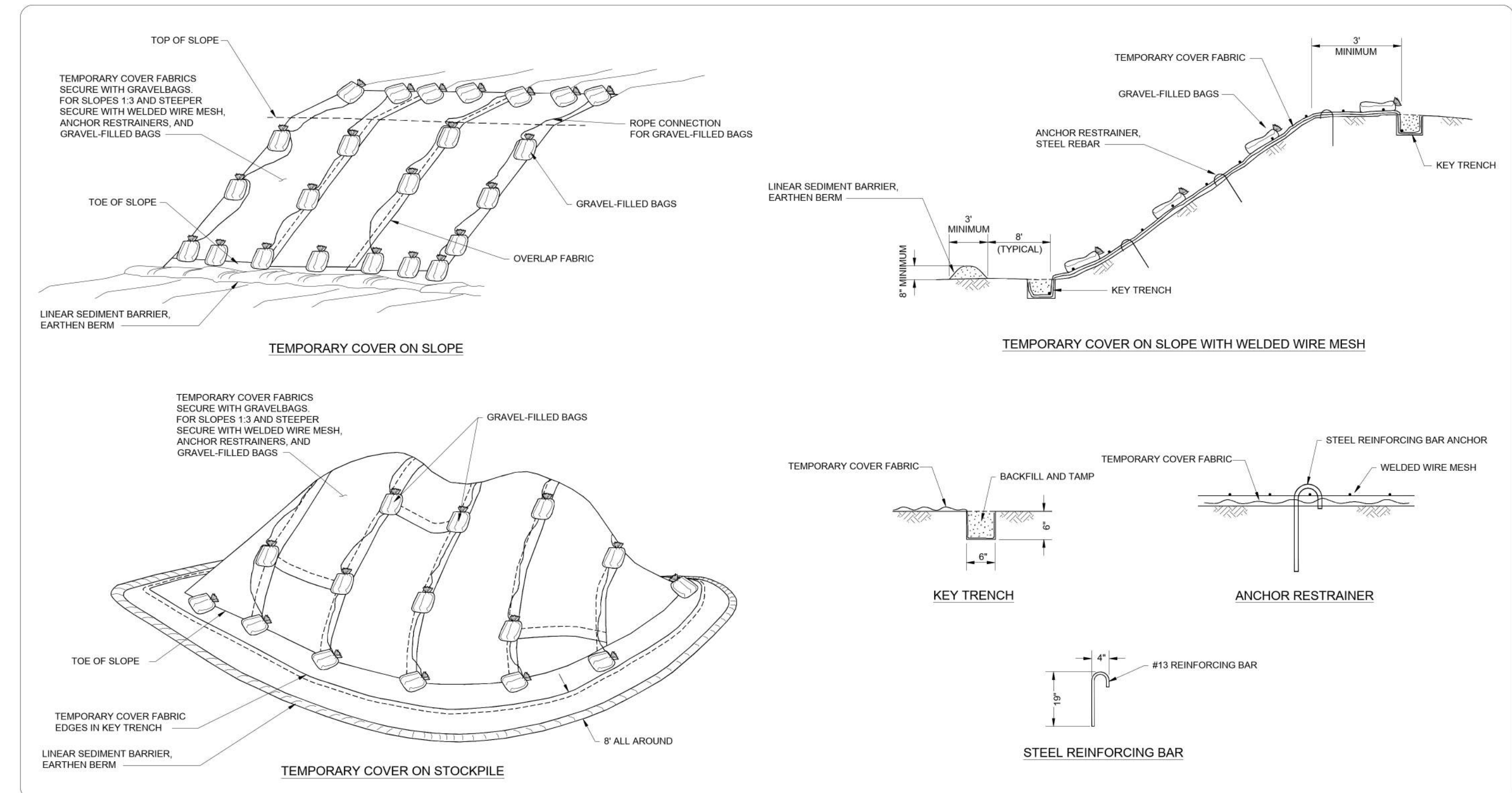
5 SILT FENCE  
NO SCALE



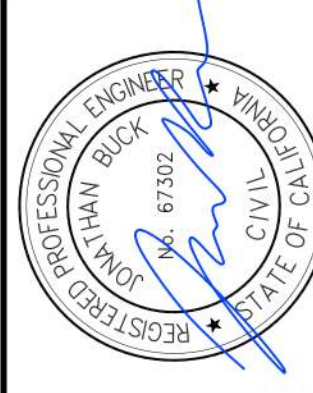
3 DROP INLET PROTECTION  
NO SCALE



6 CHEMICAL TOILET  
NO SCALE



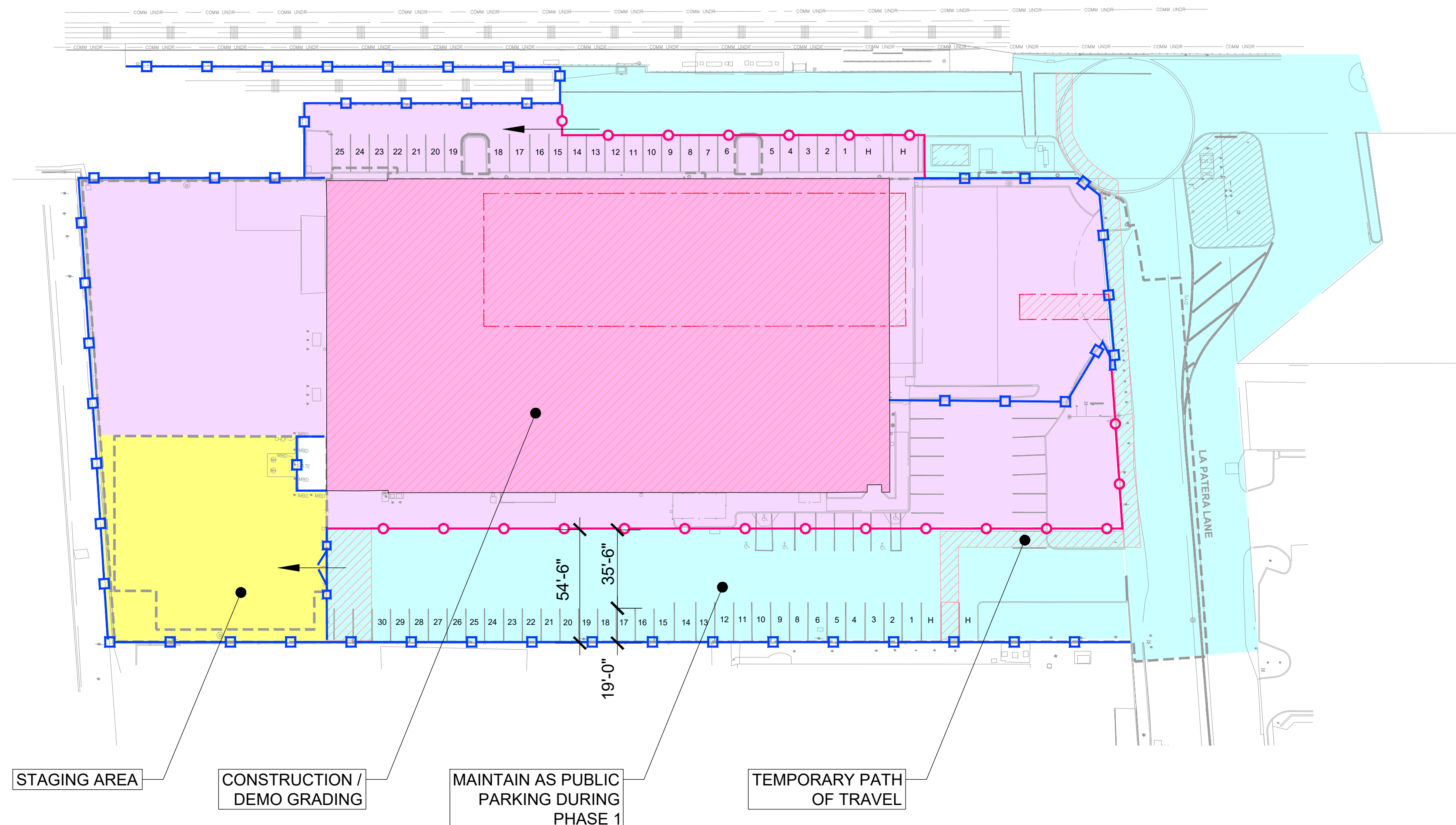
8 TEMPORARY COVER FOR SLOPES AND STOCKPILES  
NO SCALE



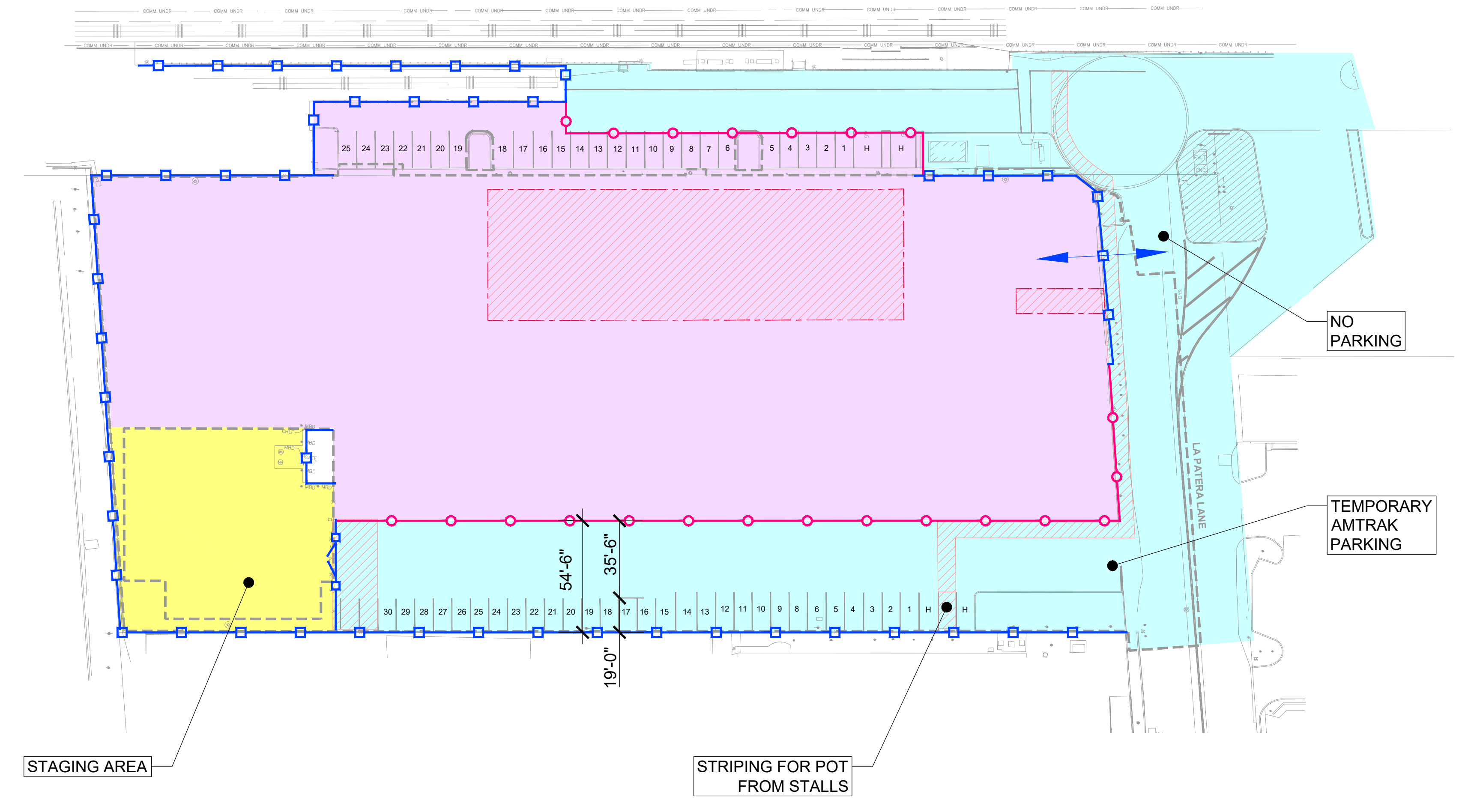
DESIGNED BY: RR  
DRAWN BY: CC  
CHECKED BY: JDB  
DATE: SEPT., 2023  
SCALE: AS SHOWN

REV.	DATE	DESCRIPTION	BY

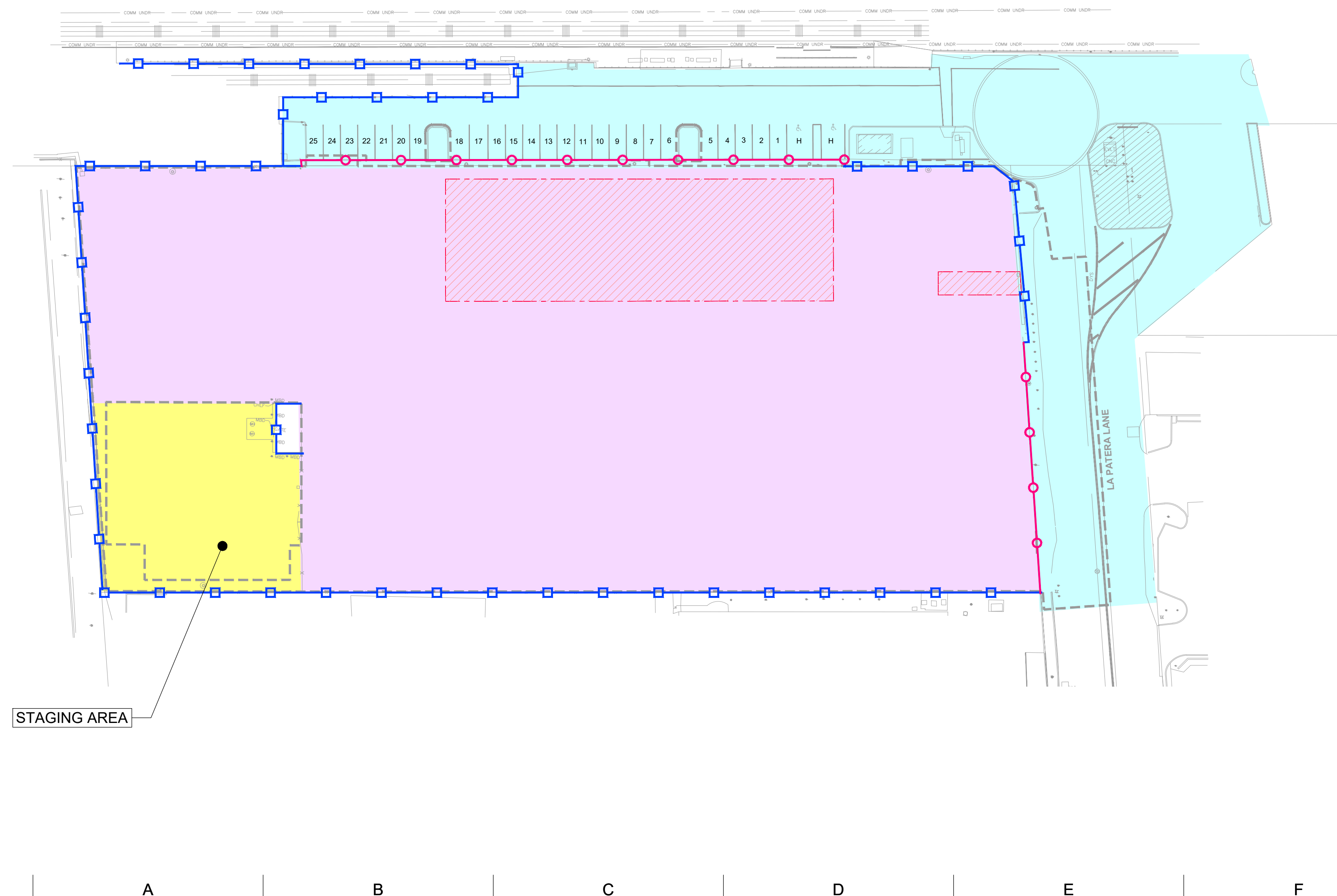
PHASE 1A - NTP



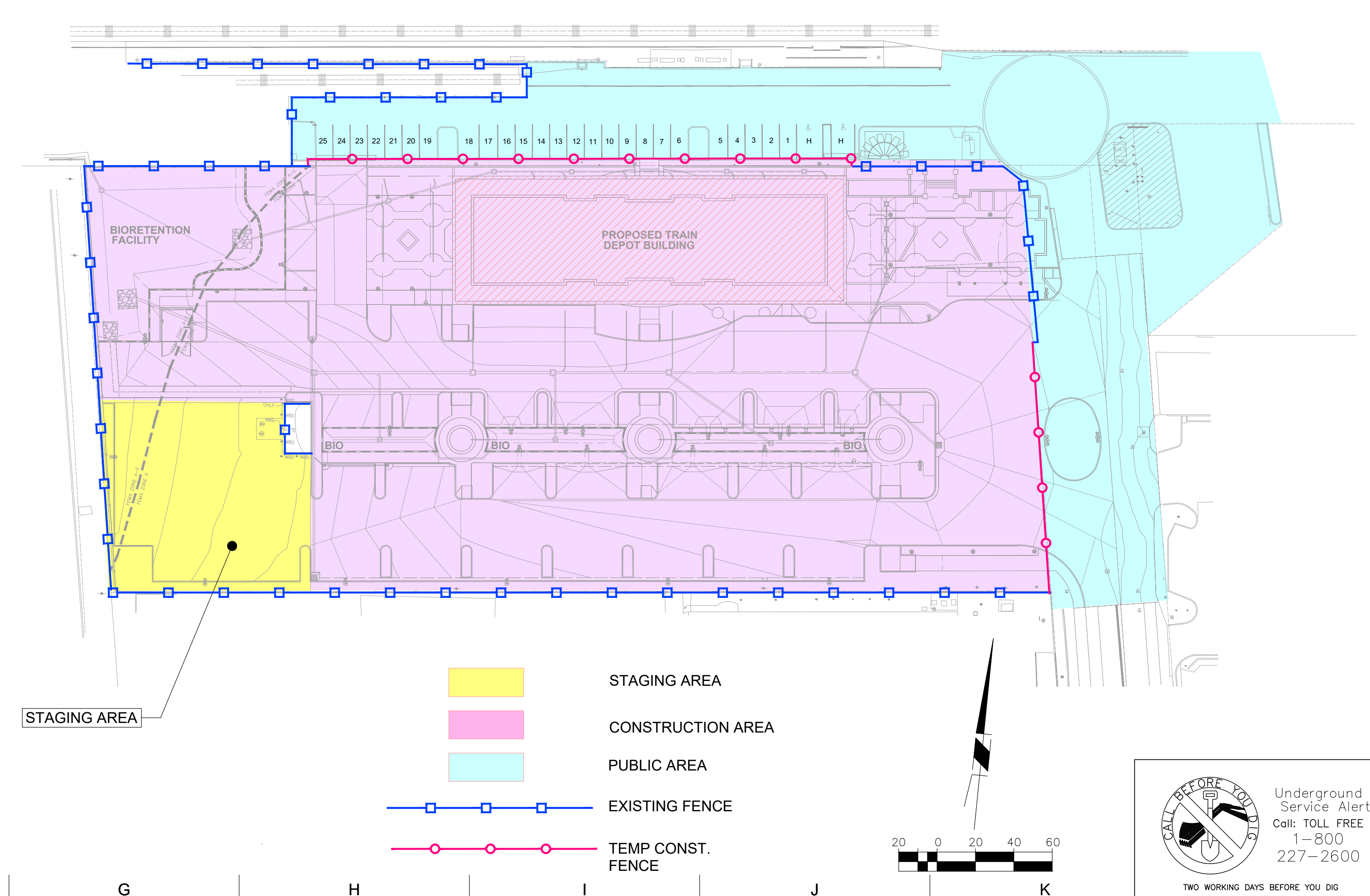
PHASE 1B - NTP+2 MONTHS



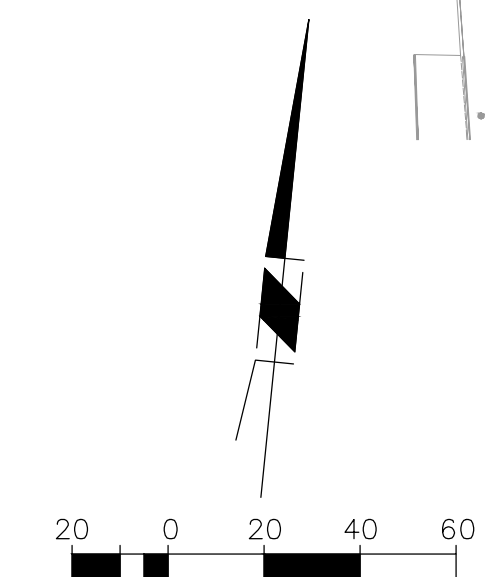
PHASE 2A - NTP+3 MONTHS



PHASE 2B - NTP+20 MONTHS



- STAGING AREA
- CONSTRUCTION AREA
- PUBLIC AREA
- EXISTING FENCE
- TEMP CONST. FENCE



Underground Service Alert  
 Call: TOLL FREE 1-800-227-2600  
 03/04/2024  
 ISSUE DATE

TWO WORKING DAYS BEFORE YOU DIG

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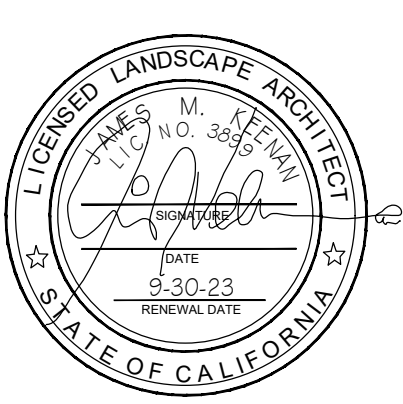
**Anil Verma Associates, Inc.**  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117  
 (805) 964-1888, (805) 964-1889, (805) 964-1890  
 www.anilverma.com

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DATE	REVISION	BY	CHKD

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
**CITY OF GOLETA**  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

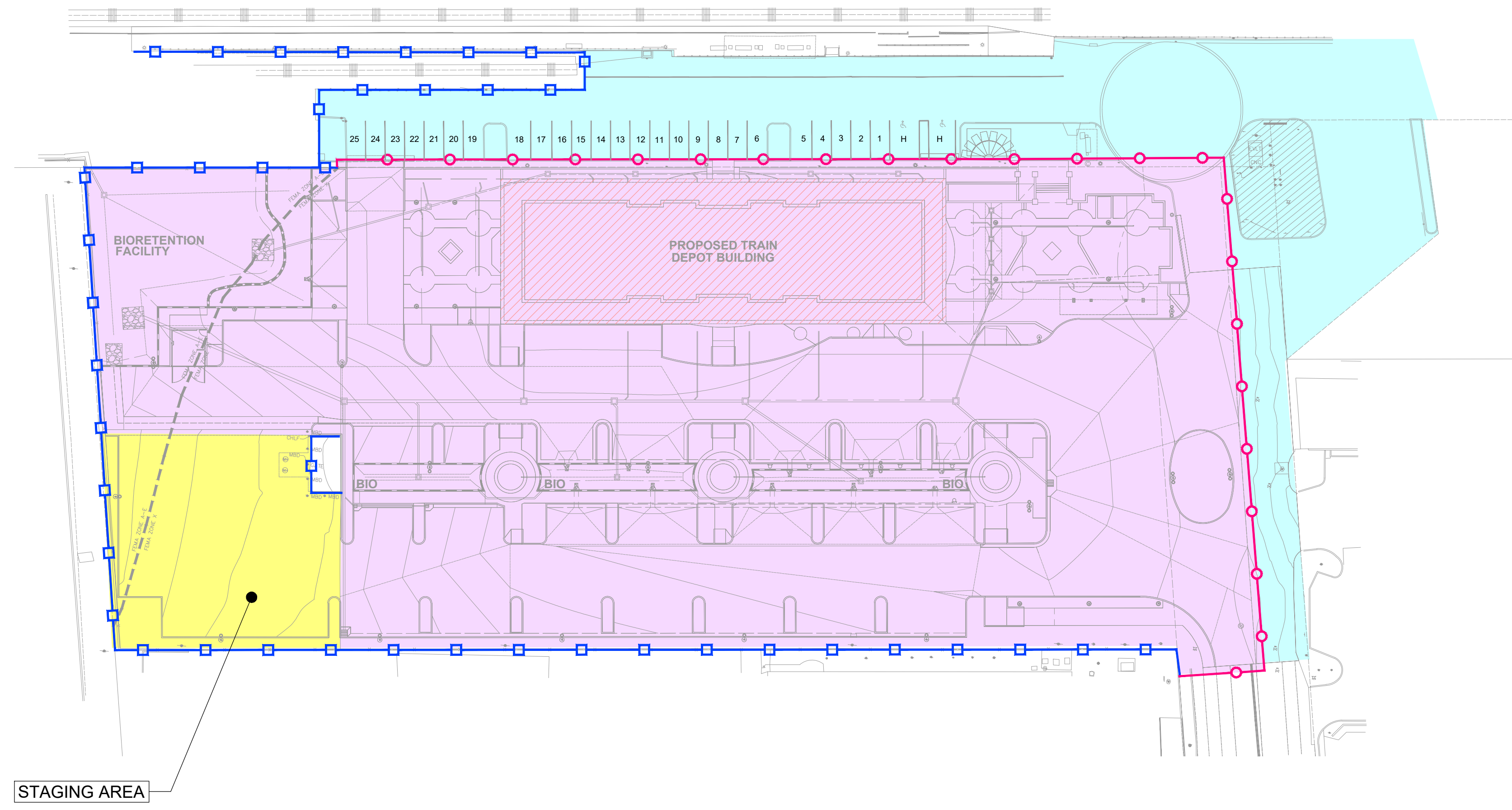
**PHASING PLAN**



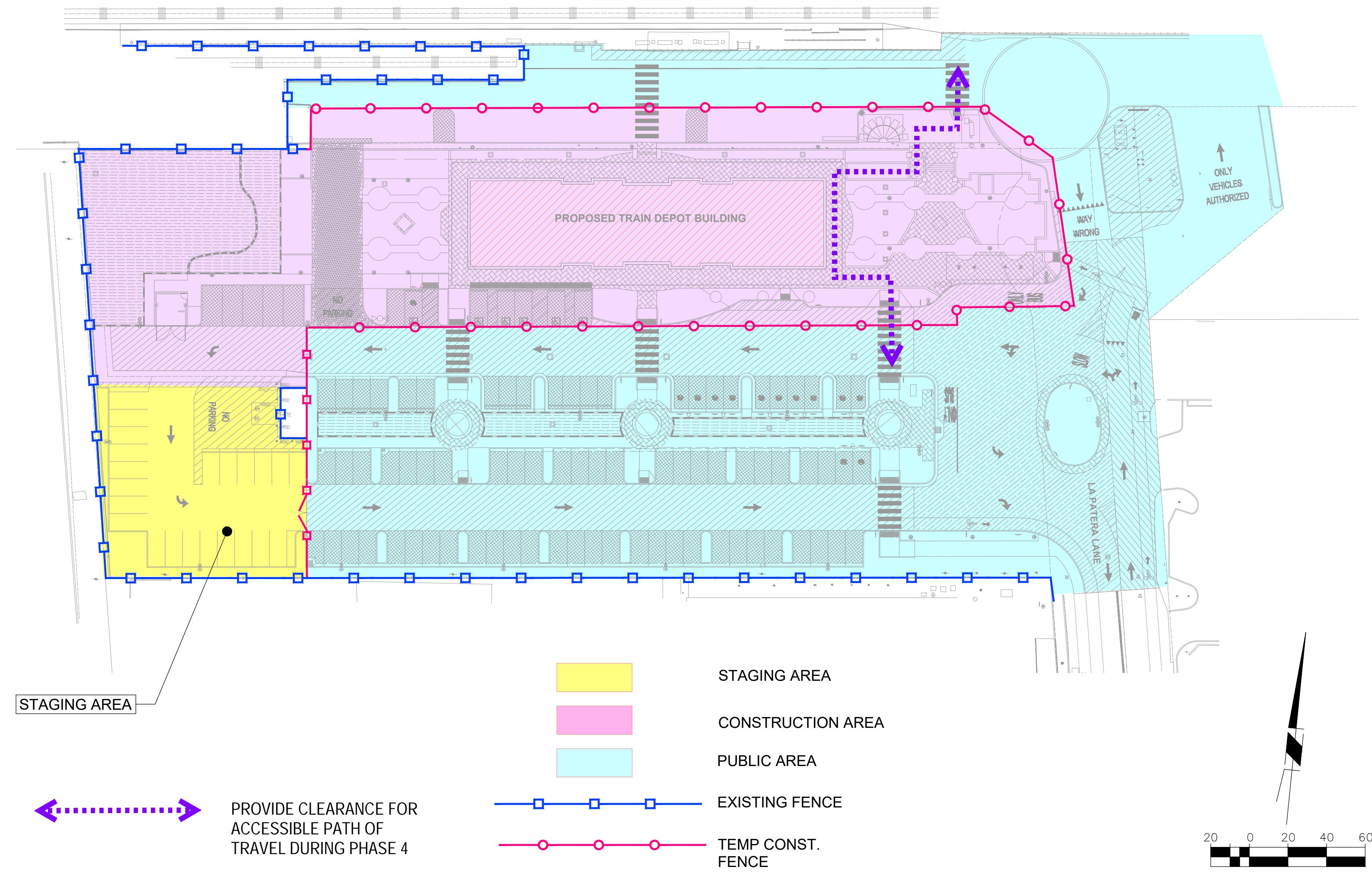
PLAN CHECK #CIP-9079  
**PH-001**  
 2019-GTD  
 1"=20'-0"  
 SCALE  
 CITY RESUBMITTAL  
 ISSUED AS  
 03/04/2024  
 ISSUE DATE  
 SHEET 022 OF 235

ISSUE FOR BID 03-04-2024

PHASE 3 - NTP



PHASE 4 - NTP+



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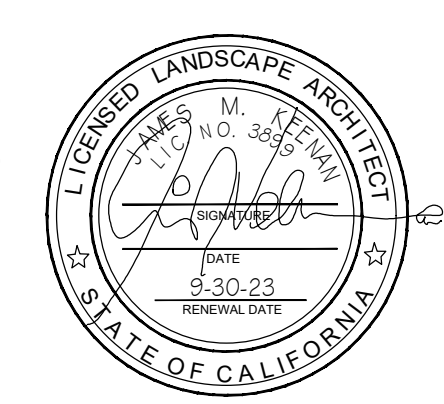
**Anil Verma Associates, Inc.**  
 1000 S. GARDEN ST., SUITE 100, GOLETA, CA 93117  
 TEL: (805) 841-9888 FAX: (805) 841-1888  
 WWW.AVASSOCIATES.COM

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DATE	REVISION

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
**CITY OF GOLETA**  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**PHASING PLAN**



PLAN CHECK #CIP-9079

**PH-002**

2019-GTD  
 1"=20'-0"  
 SCALE  
 CITY RESUBMITAL  
 ISSUED AS  
 03/04/2024  
 ISSUE DATE  
 SHEET 023 OF 235

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ISSUE FOR BID 03-04-2024

DATE	03/04/2024
REVISION	
ISSUE FOR BID	

# GOLETA TRAIN DEPOT

27 SOUTH LA PATERA LANE, GOLETA, CA 93117

## Landscape Improvement Package - IFB Set

### Owner/Agency

CITY OF GOLETA  
Department of Neighborhood Services and Public Safety  
130 Cremona Drive, Suite B  
Goleta, CA 93117  
Contact: Jaime Valdez  
Ph: 805-961-7568

### Landscape Architect

ANIL VERMA ASSOCIATES, INC  
444 South Flower Street, Suite #1688  
Los Angeles, CA 90071  
Contact: Jim Keenan / Warren Arata  
Ph: 213-624-6908

### Mech/Plumbing Engineer

ANIL VERMA ASSOCIATES, INC  
444 South Flower Street, Suite #1688  
Los Angeles, CA 90071  
Contact: Chris Rauch, PE  
Ph: 213-624-6908  
Fax: 213-624-1188

### Architect / Prime

ANIL VERMA ASSOCIATES, INC  
444 South Flower Street, Suite #1688  
Los Angeles, CA 90071  
Contact: Anil Verma, FAIA  
Ph: 213-624-6908  
Fax: 213-624-1188

### Electrical Engineer

ANIL VERMA ASSOCIATES, INC  
444 South Flower Street, Suite #1688  
Los Angeles, CA 90071  
Contact: Ray Cruz, PE  
Ph: 213-624-6908  
Fax: 213-624-1188

### Structural Engineer

SE SOLUTIONS, INC  
45901 Sandia Creek Drive  
Temecula, CA 92590  
Contact: Paul Feather  
Ph: 951-699-2666

### Civil Engineer

RAILPROS, INC  
15265 Alton Parkway, Suite #140  
Irvine, CA 92618  
Contact: Matt Britten, PE  
Ph: 619-795-0325

### Geotech. Engineer

ENGEO Incorporated  
2646 Santa Maria Way, Suite #107  
Santa Maria, CA 93455  
CONTACT: Randy Hildebrant, PE, GE  
Ph: 805-888-1110

### Survey Engineer

MNS, INC  
201 N. Calle Cesar Chavez,  
Suite #300  
Santa Barbara, CA 93103  
Contact: Shawn Kowalewski, PE  
Ph: 805-692-6921

### UTILITY COORDINATION

**TELECOMMUNICATIONS**  
FRONTIER COMMUNICATIONS  
C/O LAD KUZELA  
OSP ENGINEERING  
22 S. FAIRVIEW AVENUE  
GOLETA, CA 93117  
(805) 964-8303

**COX COMMUNICATIONS**  
22 S. FAIRVIEW AVE  
GOLETA, CA 93117  
JAMES DRENAN  
(805) 681-3844

**ELECTRIC**  
SOUTHERN CALIFORNIA EDISON  
301 DAVID LOVE PLACE  
GOLETA CA, 93117  
SHAWN LEE  
(805) 535-5901

### WATER

GOLETA WATER DISTRICT  
4699 HOLLISTER AVE  
GOLETA, CA 93117  
DAN BROOKS  
(805) 319-8481

### NATURAL GAS

SOUTHERN GAS COMPANY  
C/O KARL MONTELEONE  
TECHNICAL SERVICES - GOLETA  
1171 MORE RANCH ROAD  
GOLETA, CA 93111-2910  
(805) 681-7945

### SEWER

GOLETA SANITARY DISTRICT  
1 WILLIAM MOFFETT PI.  
GOLETA, CA 93117  
LUIS ASTORGA  
(805) 967-4519

### INDEX OF DRAWINGS

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25	L100 Ground Level Construction Plan
26	L101 Site Plan - Aerial
27	L300 General Notes and Schedules
28	L301 Landscape Construction Plan (Overall)
29	L301ADDALT Landscape Construction Plan (Overall) (ADD ALT)
30	L302 Landscape Layout Plan (Overall)
31	L351 Site Signage Plan
32	L351 Overall Site Accessibility Path of Travel Plan
33	L401 Landscape Construction Enlargement Plan (West)
34	L402 Landscape Construction Enlargement Plan (East)
35	L403 Landscape Construction Enlargement Plan (Parking Lot)
36	L404 Landscape Construction Enlargement Plan (ADD ALT)
37	L501 Sections and Elevations
38	L601 Construction Details
39	L602 Construction Details
40	L603 Construction Details
41	L611 Construction Details
42	L612 Construction Details
43	L621 Construction Details
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49	L752 Irrigation Details
50	L753 Irrigation Details
51	L800 Planting Schedules
52	L801 Planting Plan (Sheet 1 of 2)
53	L802 Planting Plan (Sheet 2 of 2)
54	L1001 Planting Details

### WATER EFFICIENT LANDSCAPING WORKSHEET

HYDROZONE #/ PLANTING DESCRIPTION	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA IN SF	ETAF x AREA	EST. TOTAL WATER USE (ETWU)	
REGULAR LANDSCAPE AREAS								
HYDROZN#1 - FULL SUN SHRUB	0.2	DRIP	0.81	0.24	9,920	2,380.8	71,000.2	
HYDROZN#2 - NORTH SIDE BLDG SHRUB	0.2	DRIP	0.81	0.24	866	207.84	6,198.2	
HYDROZN#3 - LID PKLOT SHRUB	0.2	DRIP	0.81	0.24	4,981	1,195.4	35,650.4	
HYDROZN#4 - PLZA PLNTR SHRUB	0.2	DRIP	0.81	0.24	380	91.2	2,719.8	
HYDROZN#5 - COBBLE GROUND COVER	0.0	NA	NA	0.0	522	0.00	0.0	
SPECIAL LANDSCAPE AREAS								
		X	X	0	16,669	3,875.2	115,568.6	
TOTALS (A)						16,669	(B) 3,875.2	115,568.6
ETWU TOTAL 115,568.6								
MAXIMUM ALLOWED WATER ALLOWANCE, (MAWA)* 223,682.8								

MAXIMUM ALLOWED WATER ALLOWANCE, (MAWA)  
 $= (ETO) (0.62) [(ETAF \times LA) + ((1-ETAF) \times SLA)]$   
 $= (48.1) (0.62) [(0.45 \times 16,669) + ((1-0.45) \times 0)]$   
 $= (29.82) [(7,501.1) + (0.55 \times 0)]$   
 $= 223,682.8$  GALLONS PER YEAR

ETWU (ANNUAL GALLONS REQUIRED) =  
 $ETO \times 0.62 \times ETAF \times AREA$   
 WHERE 0.62 IS A CONVERSION FACTOR THAT CONVERTS ACRE-INCHES PER ACRE PER YEAR TO GALLONS PER SQUARE FOOT PER YEAR.

### REFERENCE ETO - CITY OF GOLETA

Per Goleta Ca Muni Code 06/22

January	2.1"
February	2.5"
March	3.9"
April	5.1"
May	5.7"
June	5.7"
July	5.4"
August	5.4"
September	5.2"
October	3.2"
November	2.8"
December	2.2"
total	48.1"

### ETAF CALCULATIONS

REGULAR LANDSCAPE AREAS	
TOTAL ETAF x AREA, (B)	3,875.2
TOTAL AREA, (A)	16,669.0
AVERAGE ETAF, (B/A)	0.23

AVERAGE ETAF FOR REGULAR LANDSCAPE AREAS MUST BE 0.55 OR BELOW FOR RESIDENTIAL AREAS, AND 0.45 BELOW FOR NON-RESIDENTIAL AREAS.

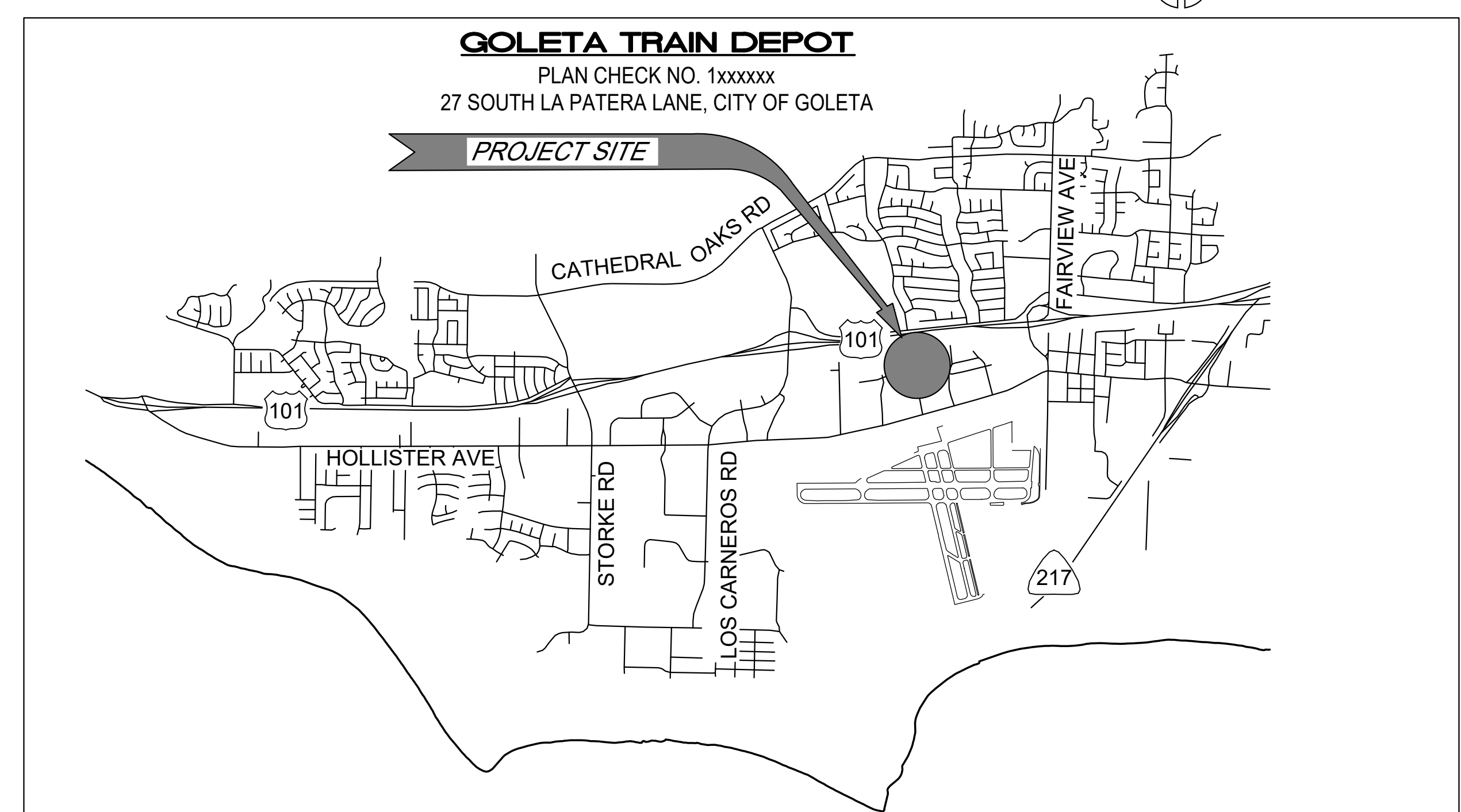
ALL LANDSCAPE AREAS	
TOTAL ETAF x AREA, (B+D)	3,875.2
TOTAL AREA, (A+C)	16,669.0
SITEWIDE ETAF, (B+D)/(A+C)	0.23

### GENERAL NOTES

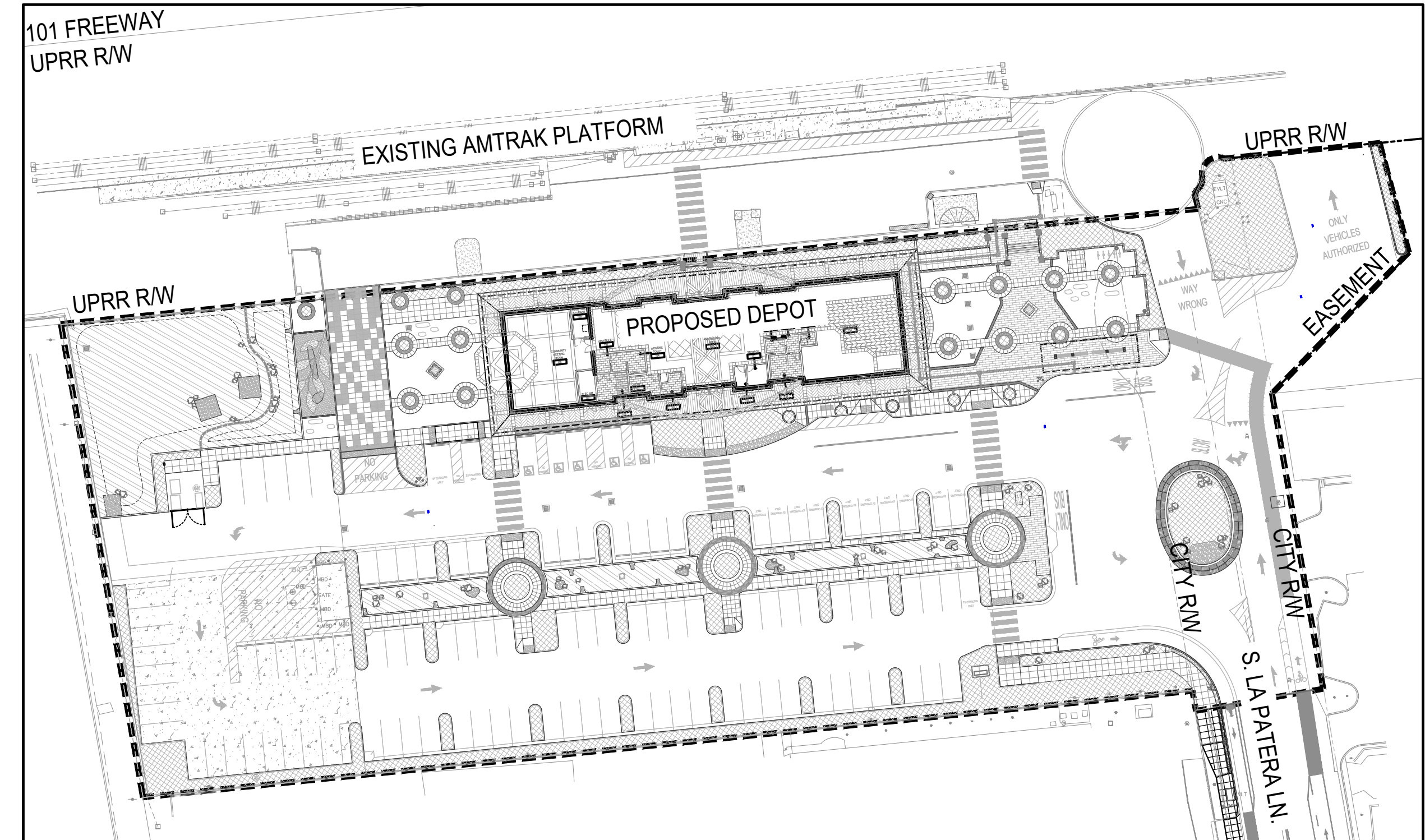
- ALL WORK SHALL COMPLY WITH CODES, LAWS, & REGULATIONS OF PUBLIC AUTHORITIES GOVERNING THE WORK & CONFORMING TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- CONTRACTOR SHALL OBTAIN & PAY FOR ALL PERMITS & ALL INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK.
- CONTRACTOR SHALL VERIFY ALL DIM. & CONDITIONS AT THE JOB SITE PRIOR TO START OF WORK. OWNER (OAR) SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONTRACTOR SHALL SUBMIT REQUESTS FOR SUBSTITUTIONS, REVISIONS, or CHANGES TO OWNER (OAR) PRIOR TO PURCHASE, FABRICATION or INSTALLATION.
- CONTRACTOR SHALL PROTECT AREA OF WORK AND ADJACENT AREAS ON SITE FROM BEING DAMAGED DURING CONSTRUCTION. CONTRACTOR TO REPLACE IN KIND DAMAGED AREAS AT THEIR OWN COST.
- COORDINATE WORK WITH THE OAR, INCLUDING SCHEDULING TIME & LOCATIONS FOR DELIVERIES, SITE ACCESS & USE OF SERVICES. MIN. DISTURBANCE TO NEIGHBORS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE.
- PROVIDE ALL EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH CODES AND ORDINANCES.
- CONTRACTOR SHALL VERIFY AT SITE THE EXTENT OF WORK WHICH MAY OR MAY NOT BE INDICATED BY CLOUDS OR OTHERWISE ON THE DRAWINGS.
- MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL GOVERN, IN CASE OF CONFLICT CONSULT ARCHITECT.
- AT THE COMPLETION OF CONSTRUCTION, REPAIR ALL DAMAGE TO THE PAVED AND LANDSCAPED AREAS DUE TO CONSTRUCTION ACTIVITY TO THE SATISFACTION OF IOR.
- PROVIDE BARRICADES AND PROTECTION AS REQUIRED.
- UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE DRAWINGS, ALL EXISTING CONDITIONS SHALL REMAIN AS-IS.
- ALL CONST. AS INDICATED BY (E) IS EXISTING, UNLESS NOTED AS (N), IS NEW.
- DIMENSIONS ARE TO CENTER OF STRUCTURAL GRID OR FACE OF FINISH, UNO.
- COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS or CEILINGS.

- CHANGES TO APPROVED DRAWINGS or SPEC'S SHALL BE MADE BY AN ADDENDA or CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE OWNER (OAR).
- A CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE CITY SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. DUTIES OF INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
- IN CASE OF CONFLICT, THE MOST STRINGENT AND HIGHEST COST METHOD OF CONSTRUCTION SHALL GOVERN.
- LOCATIONS OF UTILITIES INDICATED ON PLANS IS NOT GUARANTEED TO BE ACCURATE or COMPLETE, BUT IS PLOTTED FOR CONTRACTOR INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE EXACT LOCATIONS OF UTILITIES & SERVICE CONNECTIONS.
- CONSTRUCTION DOCUMENTS ARE PROVIDED TO ILLUSTRATE DESIGN & GENERAL TYPE OF CONSTRUCTION DESIRED, & IMPLIES THE FINEST QUALITY OF CONSTRUCTION MATERIALS & WORKMANSHIP. CONTRACTOR IS ASSUMING RESPONSIBILITY FOR THE WORK INDICATED, & SHALL COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY WERE DRAWN.
- THE CONTRACTOR GUARANTEES THAT THE WORK PERFORMED WILL BE FREE FROM FAULTY MATERIALS & WORKMANSHIP. UPON RECEIPT OF NOTIFICATION FROM IOR, CONTRACTOR SHALL REMEDY, REPAIR or REPLACE IMMEDIATELY WITHOUT COST TO CITY ALL DEFECTS or IMPERFECTIONS APPEARING IN THE WORK. IT SHALL BE UNDERSTOOD. U.O.N. THAT ALL MATERIALS & WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR BY CONTRACTOR FROM THE ACCEPTANCE OF THE PROJECT BY THE CITY OF GOLETA'S OAR.
- THE INTENT OF DRAWINGS & SPECIFICATIONS IS THAT THE WORK OF THE CONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING & SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY CITY BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (C), CBSAC, PART 1, TITLE 24, CCR)
- THE INFORMATION CONTAINED IN THESE CONSTRUCTION DOCUMENTS ARE TO BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- CITY OAR SHALL NOTIFY ARCHITECT or ENGINEER OF RECORD (AOR/EOR), PRIOR TO CONSTRUCTION START DATE, FOR CONSTRUCTION OBSERVATION AND SUPPORT SERVICES.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

### VICINITY MAP



### KEY MAP



### APPLICABLE CODES

PART 1 - 2019 CA. BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 CCR  
 PART 2 - 2019 CA. BUILDING CODE, TITLE 24 CCR (2015 IBC, CA. AMENDED)  
 PART 11 - 2019 CA. GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 CCR  
 GOLETA MUNICIPAL CODE TITLE 17



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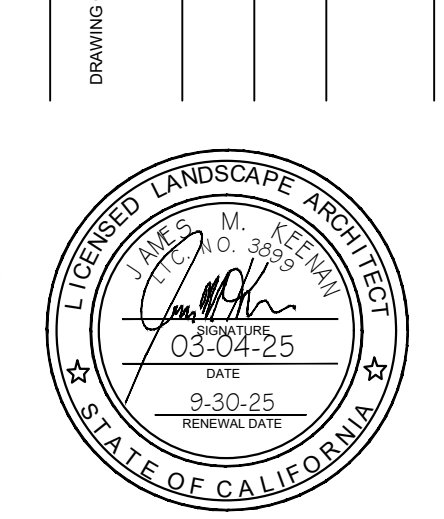


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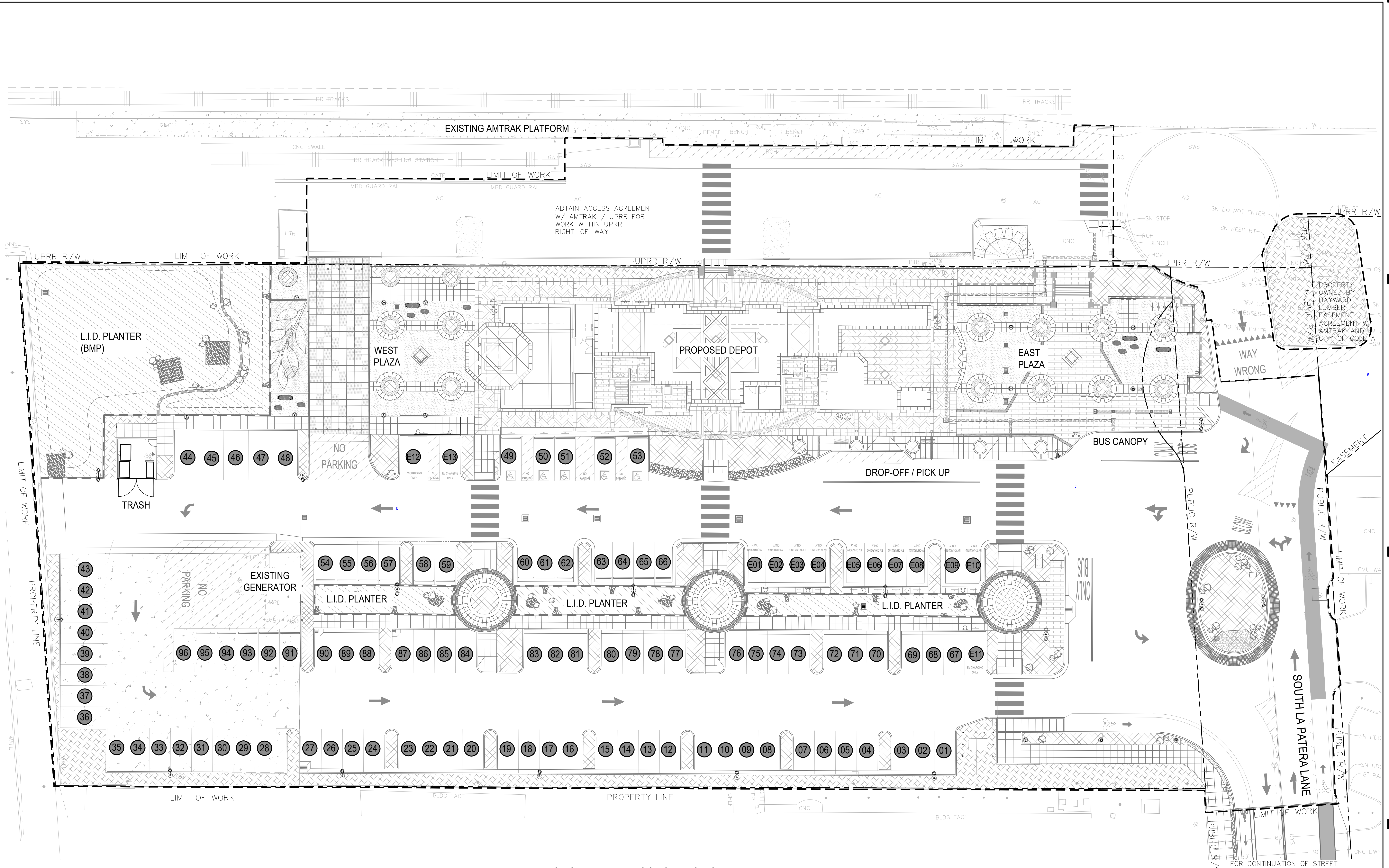
DATE	REVISION
03/04/2024	A
	B
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	I
	J
	K

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**GROUND LEVEL CONSTRUCTION PLAN**



PLAN CHECK #CIP-9079  
**L100**  
 2019-GTD  
 1/16" = 1'-0"  
 I/FB SUBMITTAL  
 ISSUED AS 03/04/2024  
 SHEET 25 OF 235



**GROUND LEVEL CONSTRUCTION PLAN**  
 SCALE 1/16" = 1'-0"

**DISTRICT TYPE BP**

**LOT COVERAGE (17.09.030):**

PROPOSED BUILDING ROOF FOOTPRINT: (DEPOT: 13,732 / TRASH: 568 / BUS: 574)	14,874 SF	13.6%
PAVING/HARDSCAPE AREA:	70,926 SF	65.7%
LANDSCAPE AREA:	22,320 SF	20.7%
	108,120 SF	100.0%
REQUIRED MAX COVERAGE	37,842 SF	35.0%
PROPOSED BUILDING ROOF FOOTPRINT:	14,874 SF	13.6%

**BICYCLE PARKING REQUIREMENTS (17.38.090):**

REQUIRED BIKE PARKING: 29 CAR STALLS / 10 =	3 BIKE PARKING
PROPOSED BIKE PARKING: 12 EXTERIOR + 8 INTERIOR =	20 BIKE PARKING

(IN ADDITION, BIKE PARKING WITHIN UPRR R/W - RELOCATED LOCKERS (8) & RACKS (16))

**AUTO PARKING REQUIREMENTS (17.38.040):**

REQUIRED PARKING: 8,531 SF / EVERY 300 SF	= 29 STALLS
PROPOSED PARKING:	= 96 STALLS
REQUIRED ADA PARKING STALLS	= 4 STALLS
PROPOSED ADA PARKING STALLS	= 5 STALLS
GOLETA REQUIRED EV CHARGERS 96 STALLS X 10%	= 10 STALLS
REQUIRED EV CHARGERS 2019 CALGREEN	= 13 STALLS
PROPOSED EV CHARGERS	= 13 STALLS
REQUIRED EV CHARGERS ADA STALLS	= 1 VAN + 1 STD STALL
PROPOSED EV CHARGERS ADA STALLS	= 1 VAN + 1 STD STALL

**LANDSCAPE COVERAGE REQUIREMENTS (17.09.030):**

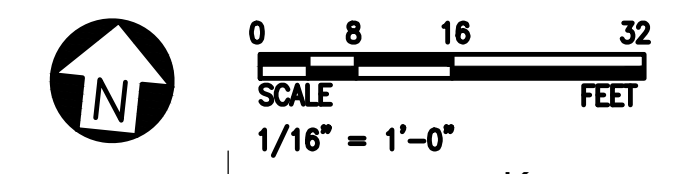
PAVING/HARDSCAPE AREA:	72,696 SF	76.0%
LANDSCAPE AREA:	22,320 SF	24.0%
	93,246 SF	100.0%
PLANTED AREA REQUIRED	22,974 SF	30.0%
PLANTED AREA PROVIDED	22,320 SF	24.0% (PLANTED)
	29,875 SF	32.0% (W/ AMENITIES)

**LANDSCAPE COVERAGE REQUIREMENTS (17.38.110):**

OVERALL PARKING AREA:	72,400 SF	100.0%
REQUIRED PARKING LOT AREA:	7,240 SF	10.0%
PROPOSED LANDSCAPE AREA:	11,333 SF	15.6%

**PARKING TREE REQUIREMENTS (17.38.110):**

24" BOX TREES REQUIRED (111 / EVERY 4 STALLS)	= 28 TREES
24" BOX TREES OR LARGER PROVIDED	= 45 TREES



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INVITATION FOR BID 03-04-2024

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REVISION	DATE	ISSUE FOR BID
A	03/04/2024	

**GOLETA TRAIN DEPOT**  
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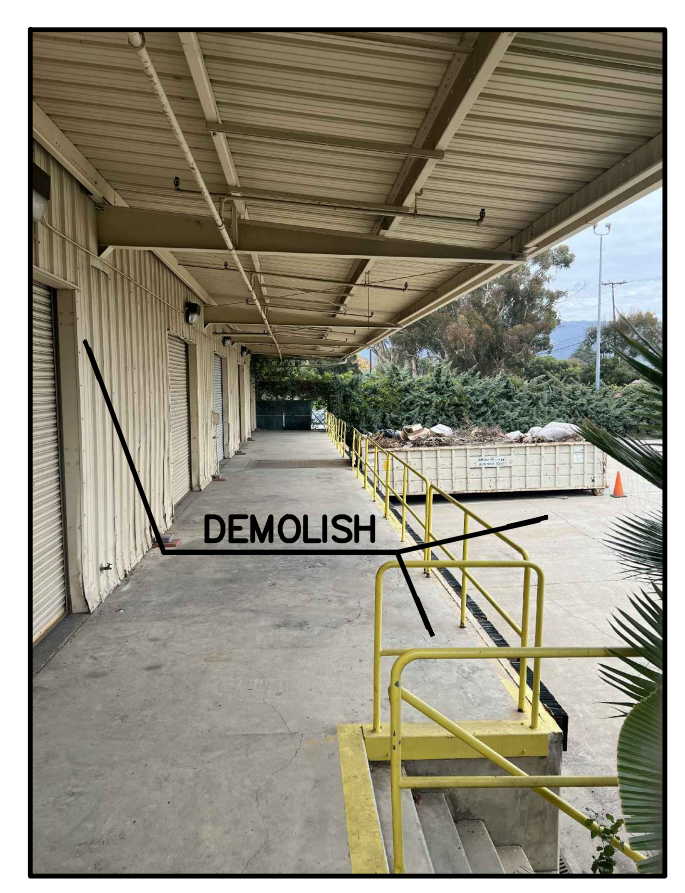
Site Plan - Aerial



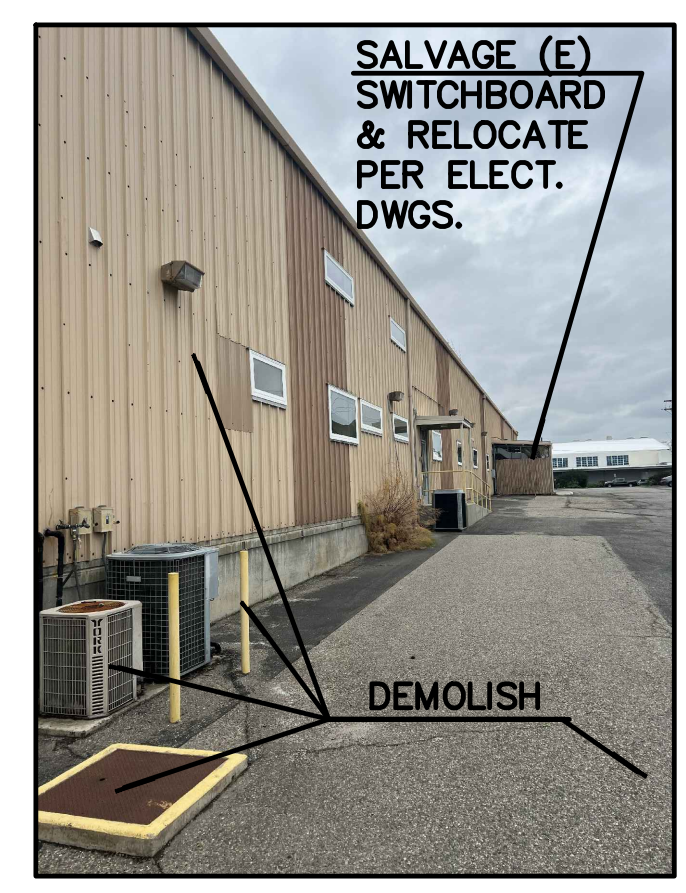
PLAN CHECK #CIP-9079  
**L101**  
 2019-GTD  
 1" = 20'-0"  
 IFB SUBMITTAL  
 ISSUED AS 03/04/2024  
 SHEET 026 OF 235



**SITE PLAN - AERIAL**  
 SCALE 1/16" = 1'-0"



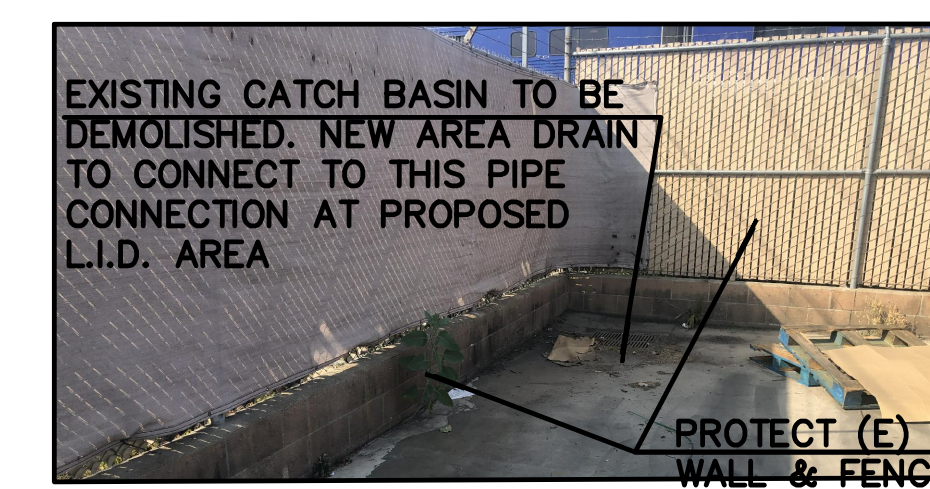
**1** LOADING DOCK AREA  
 REFERENCE IMAGE #1



**2** SOUTH SIDE OF FACILITY  
 REFERENCE IMAGE #2



**3** ELECTRICAL POC  
 REFERENCE IMAGE #3



**4** NW CORNER / EXISTING DRAIN  
 REFERENCE IMAGE #4



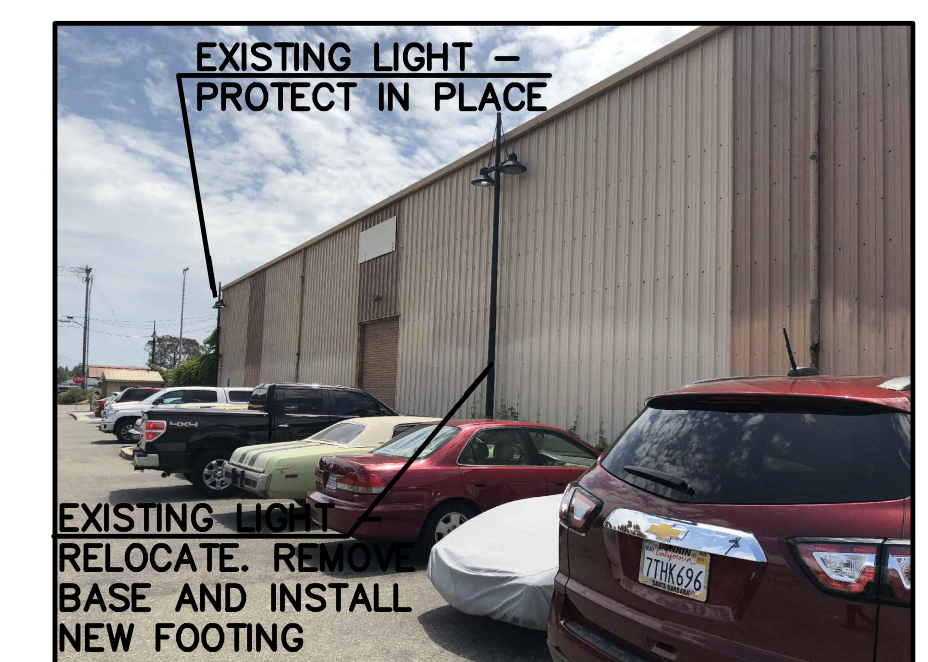
**5** EXISTING GAS METER  
 REFERENCE IMAGE #5



**6** EXISTING METERS / BACKFLOWS  
 REFERENCE IMAGE #6



**7** EXISTING PLANTER ISLAND  
 REFERENCE IMAGE #7

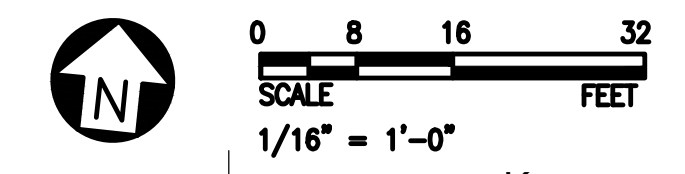


**8** NORTH SIDE OF FACILITY  
 REFERENCE IMAGE #8



**9** EXISTING RESTROOM FACILITY  
 REFERENCE IMAGE #9

**NOTES:**  
 1. THIS DRAWING IS FOR SUPPLEMENTARY COORDINATION PURPOSES. REFER TO CIVIL DRAWING, SHEET C-101 FOR COMPLETE DEMOLITION PLAN.



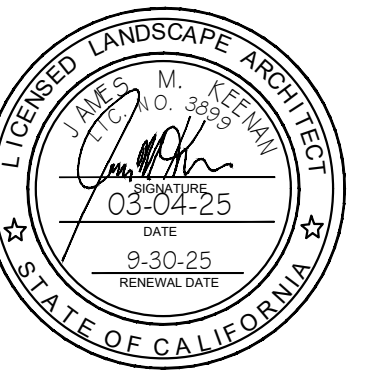
INVITATION FOR BID 03-04-2024

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DATE	03/04/2024
REVISION	
ISSUE FOR BID	

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE 6, GOLETA, CA 93117

**GENERAL NOTES AND SCHEDULES**



PLAN CHECK #CIP-9079  
**L300**  
 2019-GTD  
 IFB SUBMITTAL  
 ISSUED AS 03/04/2024  
 ISSUE DATE  
 SHEET 27 OF 235

**GENERAL NOTES**

- THIS PLAN IS FOR THE PURPOSE OF HORIZONTAL CONTROL (STAKING) OF CONSTRUCTION FEATURES NOT LOCATED BY THE CIVIL ENGINEERING AND ARCHITECTURAL DRAWINGS; AND FOR THE CONSTRUCTION REFERENCE OF SITE FEATURES
- EXISTING DRAWINGS & SITE VISITATION: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE, EXAMINE THE EXISTING CONDITIONS OF THE NEW CONSTRUCTION & DETERMINE TO THEIR SATISFACTION THE METHODS & PROCEDURE, REMOVAL & STORAGE OF MATERIALS, SEQUENCING OF OPERATIONS AND CONDITIONS WHICH AFFECT ITS WORK & PROBLEMS ATTENDANT HERETO
- THE CONTRACTOR BEARS ALL RESPONSIBILITY FOR VERIFYING ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, WALKS AND CURBS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE TO BEFORE MENTIONED INFRASTRUCTURE THAT ARE TO REMAIN SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
- ALL PROVED AND FINISHED GRADES ARE BASED ON INFORMATION PROVIDED BY THE OWNERS SURVEY AND/OR CIVIL ENGINEER. ANY DISCREPANCIES IN ACTUAL FIELD MEASUREMENTS ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY
- EASEMENTS, BUILDING SETBACKS, CURB AND GUTTER AND UNDERGROUND UTILITIES HAVE BEEN SUPPLIED TO THE LANDSCAPE ARCHITECT BY THE PROJECT CIVIL ENGINEER. REFER TO THE CIVIL ENGINEER'S PLANS FOR ADDITIONAL INFORMATION
- CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION THROUGH SUBSTANTIAL COMPLETION - INCLUDING BUT NOT LIMITED TO HARDSCAPE, PLANTING, AND IRRIGATION
- COORDINATION: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH OTHER SUB-CONTRACTORS AS REQUIRED TO ACCOMPLISH CONSTRUCTION OPERATIONS PER PROPOSED DESIGN
- CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED BY THE LANDSCAPE ARCHITECT ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTORS ARE TO BID THEIR OWN QUANTITIES. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES
- NO SUBSTITUTIONS OF ANY MATERIALS SHALL BE ALLOWED WITHOUT WRITTEN CONSENT OF LANDSCAPE ARCHITECT.
- MOCKUPS ARE REQUIRED FOR THIS PROJECT. REFER TO MOCK-UPS SECTION ON L0.01
- WALKS/SIDEWALKS ARE TO COMPLY WITH CBC 11B-403, ALL SUBSECTIONS INCLUSIVE (WIDTHS, SLOPES, SLIP RESISTANT SURFACES, GRATINGS, LEVEL CHANGES, ETC.).

**LAYOUT NOTES**

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS, OWING NOTICES, AND PAYING FEES. THE CONTRACTOR SHALL COMPLY WITH ALL CITY, COUNTY AND STATE BUILDING CODES AND ORDINANCES RELATING TO THIS CONSTRUCTION PROJECT
- IN THE EVENT OF ANY DISCREPANCIES FOUND IN THE DRAWINGS, OR IF PROBLEMS ARE ENCOUNTERED DURING CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION
- WHERE PLAN DETAILS DIFFER FROM CITY STANDARDS, THE LATTER SHALL BE SUBSTITUTED IF APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT
- WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WORK.
- PROVIDE VERTICAL EXPANSION JOINTS WHERE ALL PAVEMENT ABUTS WALLS OR OTHER VERTICAL SURFACES (TYP.)
- PRIOR TO COMMENCEMENT OF HARDSCAPE CONSTRUCTION, ALL PIERS, FOOTINGS, AND WALLS ARE TO BE SURVEYED, LAID OUT AND STAKED FOR REVIEW BY LANDSCAPE ARCHITECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR FOR ANY DEMOLITION, ADJUSTMENTS OR RECONSTRUCTION RESULTING FROM UNAUTHORIZED CONSTRUCTION ACTIVITIES.
- CONTRACTOR TO LAYOUT ALL PROPOSED WALKS, STEPS, PAVERS, WALLS, FENCING, HANDRAILS AND LIGHTING AND RECEIVE LANDSCAPE ARCHITECTS APPROVAL PRIOR TO CONSTRUCTION

**MATERIAL NOTES**

- PAVING NOTES:**
- COORDINATION: REFER TO CIVIL ENGINEER'S PLANS FOR ALL VEHICULAR PAVING DETAILS. VEHICULAR PAVING IS SHOWN IN LANDSCAPE ARCHITECTURE PLANS IS ONLY FOR AESTHETIC AND JOINING PURPOSES
  - COORDINATION: WHERE SIDEWALK ABUTS CURB, REFER TO CIVIL ENGINEER'S PLANS FOR INTEGRAL WALK AND CURB DETAIL
  - COORDINATION: COORDINATE INSTALLATION OF SLEEVES, VAULT COVERS, ETC. W/ OTHER TRADES PRIOR TO POURING PAVING
  - COORDINATION: VERIFY LAYOUT OF PROPOSED PAVING LIMITS WITH OWNER PRIOR TO BEGINNING WORK
  - ADA DESIGN REQUIREMENTS: JOINING & FINISHING TO MEET ADA REQUIREMENTS FOR SLIP RESISTANCE & JOINT WIDTH (3/16" MAX.) - 0.6 SLIP RESISTANCE COEFFICIENT
  - DESIGN: ALL WALKS, HEADERS, & WALLS SHALL HAVE SMOOTH, TANGENT, CONTINUOUS CURVES, UNLESS NOTED OTHERWISE
  - DESIGN: MINIMUM PAVER SIZE TO BE 1/2 OF SPECIFIED PAVER SIZE, NO SLIVERS WILL BE ACCEPTED
  - DESIGN: CONCRETE PAVING JOINTS INCLUDE THREE JOINT TYPES - CONTRACTION, DOWELED CONSTRUCTION, AND EXPANSION - SEE CONSTRUCTION DETAILS IN L6.00 SERIES. PROVIDE DOWELED CONSTRUCTION JOINTS BETWEEN DIFFERENT PAVING COLOR TYPES, CHANGES IN DIRECTION, END OF POUR OPERATIONS, OR WHERE SPECIFICALLY INDICATED ON PLANS.
  - MOCK-UP SUBMITTAL: CONTRACTOR SHALL MOCK-UP 4'x4' SAMPLES OF ALL PAVING ON SITE AT LOCATION DETERMINED BY OWNER TO SHOW FINISH, COLOR, JOINTING, & INTERSECTION OF PATTERNS AS REQUESTED BY OWNER. ALL SAMPLES SHALL BE APPROVED BY OWNER
  - MOCK-UP SUBMITTAL: PAVING WORK TO MATCH OWNER APPROVED PAVING MOCK-UPS. WORK NOT MATCHING MAY BE REJECTED BY OWNER

- UTILITY NOTES:**
- COORDINATION: BEFORE INSTALLING ALL UNDERGROUND HARDSCAPE FEATURES, (I.E. FENCE FOOTINGS, WALL FOOTINGS, AND SERVICE LINES) VERIFY ALL LOCATIONS OF EXISTING UTILITIES AND INSTALLED UTILITIES. COORDINATE CIVIL, STRUCTURAL, ELECTRICAL, ARCHITECTURAL, AND MECHANICAL PLANS WITH THIS LANDSCAPE PACKAGE
  - COORDINATION: CIVIL STRUCTURES (I.E. CATCH BASINS, MANHOLES, LIFT STATIONS) ARE SHOWN FOR COORDINATION ONLY
  - COORDINATION: REFER TO CIVIL PLANS FOR GRADING AND DRAINAGE STRUCTURES BEFORE INSTALLATION OF WALKS, FOOTINGS, PLANTING, AND OTHER ITEMS
  - COORDINATION: ALL JUNCTION & VALVE BOXES SHALL BE IN PLANTING AREAS AS APPROVED BY OWNER. STAKE LOCATIONS BEFORE INSTALLATION FOR APPROVAL BY OWNER

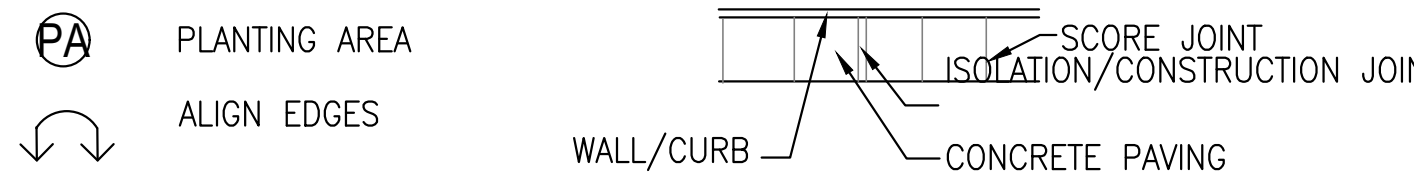
**COORDINATION AND REFERENCE NOTES**

SYMBOL	REFERENCE	DESCRIPTION
①	PROPERTY LINE	PER SURVEY
②	EXISTING SIDEWALK	EXISTING TO REMAIN PER CIVIL DRAWINGS
③	EXISTING CURB	PROTECT IN PLACE
④	PROPOSED CURB	PER CIVIL DRAWINGS
⑤	CURB RAMP W/ CBC COMPLIANT DETECTABLE WARNING	PER CIVIL DRAWINGS SEE DETAIL 9, L601 FOR TYP.
⑥	RECESSED WALL LIGHT	PER ELECTRICAL DRAWINGS
⑦	LIGHT POLE	PER ELECTRICAL DRAWINGS
⑧	UTILITY	PER CIVIL AND MECHANICAL DRAWINGS
⑨	DRAINAGE	PER CIVIL DRAWINGS
⑩	DRAIN GRATE	PER CIVIL DWGS (PROVIDE BRASS GRATE)
⑪	PROPOSED SIDEWALK	PER CIVIL DRAWINGS
⑫	EXISTING RETAINING WALL / FENCE	PROTECT IN PLACE
⑬	PAVEMENT MARKINGS	PER CIVIL DRAWINGS
⑭	REGULATORY SIGNAGE	PER CIVIL DRAWINGS
⑮	WHEEL STOP	PER CIVIL DRAWINGS
⑯	GAS METER, COORDINATE PIPING BELOW PAVING, ALLOW ABOVE SLAB	PER PLUMBING DRAWINGS
⑰	EXISTING LANDSCAPE, CLEAR AND GRUB PLANTING, PROTECT IRRIGATION	PER CIVIL DRAWINGS AND PLANTING PLANS
⑱	DRAINAGE THRU CURB TO LID PLANTER W/ REMOVABLE CONC. LID COVER	PER CIVIL DRAWINGS
⑲	INSTALL 36" WIDE CBC COMPLIANT YELLOW DETECTABLE WARNING SURFACE PER DETAIL ON SHEET 10 OF SPPWC STANDARD PLAN 111-5	REFER TO CIVIL DWGS FOR LAYOUT AND GRADING, TILE RECESSED AND ADHERED TO CONCRETE PAVING
⑳	FIXED BOLLARD	PER DETAIL 1/L622

**MATERIAL SCHEDULE REFERENCES**

P1	PAVING CALLOUT - REFER TO 'PAVING SCHEDULE'
ST1	STAIR CALLOUT - REFER TO 'STAIR SCHEDULE'
W1	CMU WALL CALLOUT - REFER TO 'CMU WALL SCHEDULE'
WC1	CIP WALL CALLOUT - REFER TO 'CAST-IN-PLACE WALL SCHEDULE'
F1	FENCE CALLOUT - REFER TO 'FENCE SCHEDULE'
G1	GATE CALLOUT - REFER TO 'GATE SCHEDULE'
M1	MISCELLANEOUS MATERIALS CALLOUT - REFER TO 'MISCELLANEOUS MATERIALS SCHEDULE'
L1	LIGHTING CALLOUT - REFER TO 'LIGHTING SCHEDULE'

**SYMBOL LEGEND**



**MANUFACTURERS AND SUPPLIERS**

- PAVING**
- INTEGRAL COLOR CONCRETE: DAVIS COLORS: (800) 356-4848
  - PAVERS: BELGARD: (909) 355-6422 / HANOVER PAVERS - (800) 426-4242
  - TOPCAST: GRACE CONSTRUCTION PRODUCTS: (888) 336-9303
  - PAVER SEALER: BP PRO: (714) 258-0800
  - DECORATIVE COBBLE: SOUTHWEST BOULDER AND STONE: (714) 882-1010
- WALLS**
- STEPSTONE: (800) 572-9029
  - DAVIS COLORS: (800) 356-4848
  - EL DORADO STONE: (800) 925-1491
- SITE FURNISHINGS**
- QCP: (951) 737-6240
  - LANDSCAPE FORMS: (818) 761-0655
  - FORMS AND SURFACES: (800) 451-4410
- METALS / PAINT**
- BENJAMIN MOORE: (866) 708-9181

- WALL NOTES:**
- COORDINATION: ALL FOOTING POURS (WALLS, FENCE, ETC) ARE TO BE REVIEWED AND COORDINATED WITH ADJACENT UTILITY LOCATIONS, EXISTING HARDSCAPE ELEMENTS, TREE LOCATIONS, AND WHERE WALL FOOTINGS ARE ADJACENT EACH OTHER (MONOLITHIC POURS BETWEEN ADJACENT WALLS)
  - DESIGN: KEEP WALLS VERTICALLY PLUMB UNLESS OTHERWISE NOTED
  - DESIGN: TOP OF WALLS TO BE CONSISTENT ELEVATION (NOT SLOPED) UNLESS OTHERWISE NOTED, OVERALL WALL HEIGHTS MAY VARY SLIGHTLY BASED ON GRADING
  - SUBMITTAL: CONTRACTOR SHALL SUBMIT SAMPLES OF ALL WALLS TO SHOW MATERIALS, FINISH, COLOR, AND JOINTING. ALL SAMPLES SHALL BE APPROVED BY THE OWNER'S AUTHORIZED REP. BEFORE INSTALLATION.
  - SUBMITTAL: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH WALL LOCATION PLAN AND WALL DETAILS SHOWING DIMENSIONS, MATERIALS, AND STRUCTURAL INFORMATION - FOR REVIEW AND APPROVAL BY OWNER'S AUTHORIZED REPRESENTATIVE BEFORE CONSTRUCTION

- METAL NOTES:**
- COORDINATION: ALL FOOTING POURS (HANDRAILS, TRELIS STRUCTURES, ETC) ARE TO BE REVIEWED AND COORDINATED WITH ADJACENT UTILITY LOCATIONS, EXISTING HARDSCAPE ELEMENTS, TREE LOCATIONS, AND ADJACENT WALL FOOTINGS
  - DESIGN: CONTRACTOR TO PROVIDE OR APPLY FACTORY PRIMED SURFACE, 2 COATS EXTERIOR GRADE PAINT FOR ALL PAINTED STEEL
  - SUBMITTAL: CONTRACTOR SHALL SUBMIT METAL COLOR AND FINISH SAMPLES FOR REVIEW AND APPROVAL PRIOR TO APPLICATION
  - SUBMITTAL: CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF HANDRAIL AND TRELIS DETAILS SHOWING DIMENSIONS, MATERIALS, AND STRUCTURAL INFORMATION - FOR REVIEW AND APPROVAL BY OWNER'S AUTHORIZED REPRESENTATIVE BEFORE CONSTRUCTION

**PAVING SCHEDULE**

SYMBOL	DETAIL	DESCRIPTION	PATTERN	MANUFACTURER	COLOR	FINISH	JOINT	REINFORCEMENT	COMMENTS
P1	PER CIVIL PLANS	EXISTING PAVING RESURFACED	PER PLANS	--	NATURAL GRAY	SEE CIVIL	N/A	N/A	PARKING LOT QUANTITY: 51,254 SF
P2	8/L601	CONCRETE PAVER (VEHICULAR)	6x6 & 3x6 X 2-3/8" RADIAL CHECKERBOARD	HANOVER PAVERS	ALTERNATED TAN AND NATURAL - 24"x48"	TUDOR, SEALED, CHISELED	SAND SWEPT	SEE DETAIL	VEHICULAR ENTRY CIRCLE QUANTITY: 548 SF
P3	1/L601	CONCRETE PAVING (PEDESTRIAN)	P3 - 24" O.C. +/- P3A - 10" WIDE	DAVIS COLORS	MESQUITE #677 (P3) KAILUA #677 (P3A)	TOPCAST #03	SAWCUT	SEE DETAIL	SIDEWALKS QUANTITY: 6,751 SF
P4	8/L601	CONCRETE PAVER (PEDESTRIAN)	6" x 6" X 2-3/8" PAV	HANOVER PAVERS	ALTERNATED TAN AND NATURAL	SMOOTH, SEALED	SAND SWEPT	SEE DETAIL	CENTER ISLAND QUANTITY: 471 SF
P5	8/L601	CONCRETE PAVER (PEDESTRIAN)	12" x 36" X 2-3/4" RUNNING BOND	WAUSAU TILE	HFT-60 & HFT-25 30-70 RANDOM MIX	FRONTIER SERIES, SEALED	SAND SWEPT	SEE DETAIL	CENTER ISLAND, EAST PLAZA QUANTITY: 2,803 SF
P7	1/L601	CONCRETE PAVING (PEDESTRIAN)	RADIAL PER PLAN	DAVIS COLORS	KAILUA #677-80% #1 MOTHER OF PEARL	SEEDED AGGREGATE	SAWCUT	SEE DETAIL	EAST AND WEST PLAZAS QUANTITY: 732 SF
P8	5/L602	RUBBERIZED PLAY SURFACING (POURED-IN-PLACE)	P8: FIELD (PER PLAN) P8A: LEAF PATTERN	FALL ZONE SAFETY SURFACING	RH01-BROWN-FIELD) RH11-GREEN (LEAF)	--	N/A	GRAVEL BASE	AT PLAY STRUCTURE - LEAF PATTERN. QUANTITY: 5,39 SF
P9	1/L602	DECOMPOSED GRANITE	PER PLANS	GAIL MATERIALS	N/A	STABILIZED NATRACL	N/A	GRAVEL BASE	EAST AND WEST PLAZAS QUANTITY: 3,334 SF
P10	1/L601	CONCRETE PAVING (PEDESTRIAN)	18" O.C. +/-	DAVIS COLORS	ADOBE #61078	TOPCAST #03 W/ SILICONE CARBIDE	SAWCUT	SEE DETAIL	BAND AT ARCHITECTURE QUANTITY: 664 SF
P11	6/L602	CONCRETE PAVER ON CONCRETE SLAB	HERRINGBONE, 600MM X 100MM X 60MM	TECHNO-BLOC INDUSTRIA SMOOTH	BEIGE CREAM	SMOOTH, SEALED	SAND SWEPT	PER ARCH. DWGS	FIELD AT ARCHITECTURE QUANTITY: 1,402 SF
P12	6/L602	CONCRETE PAVER ON CONCRETE SLAB, ON GRADE	12" x 12" TRIANGLES, SEE PLAN	TECHNO-BLOC INDUSTRIA TRIANGLE	CHESTNUT BROWN AND BEIGE CREAM	SMOOTH, SEALED	SAND SWEPT	PER ARCH. DWGS	QUANTITY: 351 SF
P13	6/L602	CONCRETE PAVER ON CONCRETE SLAB	6" x 36", RADIAL, PER PLANS	WAUSAU TILE	HRS-15	SMOOTH, SEALED	SAND SWEPT	SEE DETAIL	AT ARCHITECTURE QUANTITY: 801 SF
P14	6/L602	CONCRETE PAVER ON CONCRETE SLAB	PER PLANS, COORDINATE WITH INTERIOR PATTERN	HANOVER PAVERS	MULTI-COLOR, SEE ENLARGEMENT	SMOOTH, SEALED (NON-SLIP)	SAND SWEPT	SEE DETAIL	AT DEPOT ENTRANCES QUANTITY: 416 SF
P15	6/L602	CONCRETE PAVER ON CONCRETE SLAB	18" x 18" X 2-3/4" THK. PER PLANS	WAUSAU TILE	LG21 LIGHT BUFF	LIGHT GRIND, SEALED	PER ARCH. PLANS	PER ARCH. PLANS	AT ARCHITECTURE ENTRANCES QUANTITY: 2,087 SF
P16	6/L602	CONCRETE PAVER ON CONCRETE SLAB	7 1/2" x 12 3/8" PER PLANS-SEE AG-603	TECHNO-BLOC DIAMOND GRANITEX	CHARCOAL AND BEIGE CREAM	SMOOTH, SEALED	PER ARCH. PLANS	PER ARCH. PLANS	QUANTITY: 278 SF
P17	6/L602	CONCRETE PAVERS ON CONCRETE SLAB	SEE ARCH DWG AG-603 MATCH FOR EXTERIOR	PIGMENT: DAVIS COLORS	EURO BLUE, CLIFFSIDE & COBBLESTONE	RUSTIC TERRAZZO (NON-SLIP) SEAL	SAWCUT	PER ARCH. PLANS	QUANTITY: 259 SF
P18	8/L601	CONCRETE PAVER (PEDESTRIAN)	18" x 18" X 2-3/4" THK. PER PLANS	WAUSAU TILE	HFT-60	SMOOTH (SEALED)	SAND SWEPT	SEE DETAIL	AT KIOSKS QUANTITY: 92 SF
P19	PER CIVIL PLANS	AC PAVING	PER PLANS	--	--	--	N/A	PER CIVIL PLANS	PER CIVIL
P20	7/L602	CONCRETE HEADER	PER PLANS	DAVIS COLORS	MESQUITE #677	LIGHT BROOM	SAWCUT	SEE DETAIL	QUANTITY: 211 LF
P21	6/L603	CONCRETE HEADER/CURB	PER PLANS	SOUTHWEST BOULDER AND STONE	BAJA CREST - 50% AT 6-12" APACHE SUNSET - 50% AT 1-3"	--	--	--	AT PLANTING AREAS
P22	PER CIVIL PLANS	EXISTING 8" THICK CONCRETE PAVING	N/A	--	--	SEE CIVIL DWG C-101	N/A	N/A	PROTECT IN PLACE. RESURFACE PER CIVIL PLAN RECOMMENDATIONS
P23	3/L602	DECORATIVE BOULDER	PER PLANS	SOUTHWEST BOULDER AND STONE	BAJA CREST-25% @ 2, 50% @ 3', 25% @ 4'	--	--	--	QUANTITY: 37 AT BMP AREAS 21 AT ENTRY TURNAROUND
P24	9/L603	DIRECTIONAL BAR TACTILE 'PATHWAY BANDING	36"x12" TILES @ TURNS	--	BLACK OR GRAY WITH 1" WIDE BLACK EDGES. DIRECTIONAL BAR AND DOMES	--	--	--	EPOXY AND BOLT ATTACH TO CONTINUOUS PAVING BELOW
P25	5/L601	CONCRETE BAND	12" WIDE BAND W/ SCORE 24" O.C. +/-	DAVIS COLORS	MESQUITE #677	TOPCAST #25	SAWCUT	SEE DETAIL	PAVING BANDING AT PLAZAS
P26	6/L601	CONCRETE PAVING (VEHICULAR)	3' 1-1/2" X 4'-10" +/- X 6" THK	DAVIS COLORS	KAILUA #677	RANDOM TOPCAST #03 & #100 MIX	SAWCUT	SEE DETAIL	FIRE LANE QUANTITY: 1,954 SF

**STAIR SCHEDULE**

SYMBOL	DETAIL	DESCRIPTION	COLOR	FINISH	JOINT	COMMENTS	
ST1	3/L621	CONCRETE STEPS	DAVIS COLORS	SPANISH GOLD	TOPCAST #03	SAWCUT	NORTH SIDE OF DEPOT. PROVIDE CONTRASTING DK BROWN STAIN AT TREAD
ST2	5/L621	CONCRETE STEPS AND RAMP	DAVIS COLORS	SPANISH GOLD #5084	TOPCAST #03	SAWCUT	NORTH SIDE OF EAST PLAZA. PROVIDE CONTRASTING DK BROWN STAIN AT TREAD

**WALL SCHEDULE (CAST-IN-PLACE & CMU)**

SYMBOL	DETAIL	DESCRIPTION	HEIGHT	COLOR	FINISH	CAP	COMMENTS
WC1	3/L612	CAST-IN-PLACE CONCRETE SEATWALL W/ IPE WOOD CLADDING & SEPARATOR	HEIGHT: 18" MIN. WIDTH 18"	DAVIS COLORS 'ADOBE' #61078	TOP-MED SANDBLAST SIDES-BOARDFORM	IPE WOOD AT PLAZA AREAS (OILED FINISH) NO CAP AT CENTER ISLAND	CIRCULAR SEAT WALLS AT PLAZAS QUANTITY: 447 LF
WC2	2/L611	CONCRETE WALL	SEE GRADING PLAN	DAVIS COLORS 'ADOBE' #61078	TOP-MED SANDBLAST SIDES-BOARDFORM	NONE	AT RAMP AND STAIRS QUANTITY: 105 LF
WC3	3/L611	LOW RETAINING WALL	SEE GRADING PLAN	DAVIS COLORS 'ADOBE' #61078	TOP-MED SANDBLAST SIDES-BOARDFORM	NONE	AT EAST PLAZA QUANTITY: 130 LF
WC4	PER CIVIL PLANS	LOW RETAINING / LID CUTOFF WALL	SEE CIVIL DRAWINGS	DAVIS COLORS 'ADOBE' #61078	HEAVY SANDBLAST	NONE	AT LID PLANTERS ("RAIN GARDENS") QUANTITY: 628 LF
WC5	5/L612	LOW RETAINING / LID KEYSTONE GRAVITY WALL	VARIES-SEE CIVIL DRAWINGS	KEYSTONE BROWNSTONE	4"/8" COUNTRY MANOR	KEYSTONE COUNTRY CAP UNIT	AT LID PLANTERS ("RAIN GARDENS") QUANTITY: 628 LF

SYMBOL	DETAIL	DESCRIPTION	HEIGHT	COLOR	FINISH	CAP	COMMENTS
W1	6/L611	CMU PLINTH	SEE DETAIL	MOUNTAIN LEDGE PANELS, 'PIONEER' COLOR BLEND	EL DORADO STONE	STEPSTONE - CLASSIC PILASTER CAP - MS ADOBE 1425 / 28 X 28 X 5	AT STAIRS QUANTITY: 5
W2	2/L612	CMU WALL	SEE DETAIL	MOUNTAIN LEDGE PANELS, 'PIONEER' COLOR BLEND	EL DORADO STONE	STEPSTONE - CLASSIC WALL CAP - ADOBE 1425 12 X 24 X 2-1/2 + MATCHING END CAP	AT UPRR R/W QUANTITY: 270 LF

**FENCE, GATE, AND RAIL METALWORK SCHEDULE**

SYMBOL	DETAIL	DESCRIPTION	HEIGHT	COLOR	FINISH	COMMENTS
F1	3/L622	CHAINLINK FENCE	PER DETAIL	BLACK	PAINTED WITH VERTICAL SCREENING SLATS	AT GENERATOR QUANTITY: 25 LF
R1	2/L621	STEEL HANDRAIL	36" HEIGHT	#2114-10, BITTERSWEET CHOCOLATE	PAINTED	NORTH SIDE OF DEPOT QUANTITY: 84 LF

**MISCELLANEOUS MATERIALS SCHEDULE**

SYMBOL	DETAIL	DESCRIPTION	COMMENTS
M1	PER CIVIL PLANS	DRY STREAM BED	QUANTITY: 1,988 SF
M2	4/L-611, 2,4/A-821	INFORMATIONAL KIOSK	QUANTITY: 2 TYPE 1
M3	PER ELEC DWGS	VEHICLE CHARGING STATION, PROVIDE BOLLARD PROTECTION	QUANTITY: 6 DUAL SIDED, 1 SINGLE SIDED. SEE ELEC. DWGS
M4	4/L622	RELIANCE FOUNDRY REMOVABLE BOLLARD R-8464	QUANTITY: 10
M5	3/L603	BICWAY BIOCHARGER POLE BICYCLE CHARGING STATION	QUANTITY: 5

**LIGHTING SCHEDULE**

SYMBOL	DETAIL	DESCRIPTION	HEIGHT	MANUFACTURER	COMMENTS
L1	SEE 1/E-402 AND 7/S-400	SINGLE HEAD - PEMCO DAN_WINXXNL135W4KX4	14" HEIGHT + 30" BASE	PEMCO LIGHTING PRODUCTS	POLE MOUNTED QUANTITY: 8
L2	SEE 1/E-402 AND 7/S-400	DOUBLE HEAD - PEMCO DAN_WINXXNL135W4KX4	14" HEIGHT + 30" BASE	PEMCO LIGHTING PRODUCTS	POLE MOUNTED QUANTITY: 8
L3	SEE 3/E-402	COOPER INVUE - ARB ARBOR LIGHT ARB-B4-LDD-1D1-T5-8030	9" HEIGHT	COOPER LIGHTING SOLUTIONS	QUANTITY: 14
L4	SEE 4/E-402	UPLIGHTS WAC LIGHTING	MOUNTED ON PERMAPOSTS	WAC LIGHTING	QUANTITY: 53
L5	SEE 2/E-402	WALL LIGHTS WE-EF #STP-254 LED	18" ABOVE FS	WE-EF LIGHTING SOLUTIONS	WALL MOUNTED QUANTITY: 19

**SITE FURNISHINGS SCHEDULE**

SYMBOL	REFERENCE	DESCRIPTION	MFGR.	MODEL #	COLOR	FINISH	COMMENTS
SF1	1/L641	BOARDWALK BENCH	FORMS AND SURFACES	SBWBK-72AC (ANCHOR PER SURFACE MOUNT OPTION)	HARDWOOD & ALUMINUM	POWDERCOAT	CONSTRUCTION TO PURCHASE AND INSTALL. QUANTITY: 8 PROVIDE SEAT DIVIDERS OPTION
SF2	4/L641	TRASH RECEPTACLE W/ FLIP TOP	QCP	CASCADE QR-CE3036W-A25	ADOBE TAUPE	STANDARD	CONSTRUCTION TO PURCHASE AND INSTALL. QUANTITY: 4 PROVIDE WASTE BIN SIGNAGE
SF3	4/L641	RECYCLING RECEPTACLE W/ "RECYCLE" TOP	QCP	CASCADE QR-CE3036W-A25	ADOBE TAUPE	STANDARD	OWNER TO PURCHASE, CONSTRUCTION TO INSTALL. QUANTITY: 4 PROVIDE RECYCLED BIN SIGNAGE
SF4	-	EVENT COURTYARD FURNITURE	-	-	-	-	OWNER TO PURCHASE, CONSTRUCTION TO INSTALL. QUANTITY: BY OWNER
SF5	7/L641	KEY BIKE RACK LOOP	LANDSCAPE FORMS	KEY	RED	STANDARD	CONSTRUCTION TO PURCHASE AND INSTALL. QUANTITY: 4
SF6	10/L641	BIKE LOCKER (EXISTING X 2)	-	-	PAINT BENJAMIN MOORE "BALLET WHITE OC-9"	PAINTED	REUSE EXISTING. CLEAN, RESTORE, AND PAINT
SF7	3/L641	CATERPILLAR PLAY STRUCTURE LADYBUG	QCP	Q-CATERPILLAR Q-LADYBUG	CUSTOM: YELLOW, BLACK, AND WHITE STRIPES	CONSTRUCTION TO PURCHASE AND INSTALL. PAINT READY. PAINT TO MATCH COLORS OF MONARCH CATERPILLAR AND RED LADYBUG	
SF8	4 & 5/L622	PRECAST SEATING	QCP	Q1-GEO-42B (GEO 422) Q1-GEO-78B (GEO 7924)	LATTE	HONED	CONSTRUCTION TO PURCHASE AND INSTALL. QUANTITY: 8 GEO-42B AND 4 GEO-78B. MARK IN FIELD FOR OAR LOCATION APPROVAL

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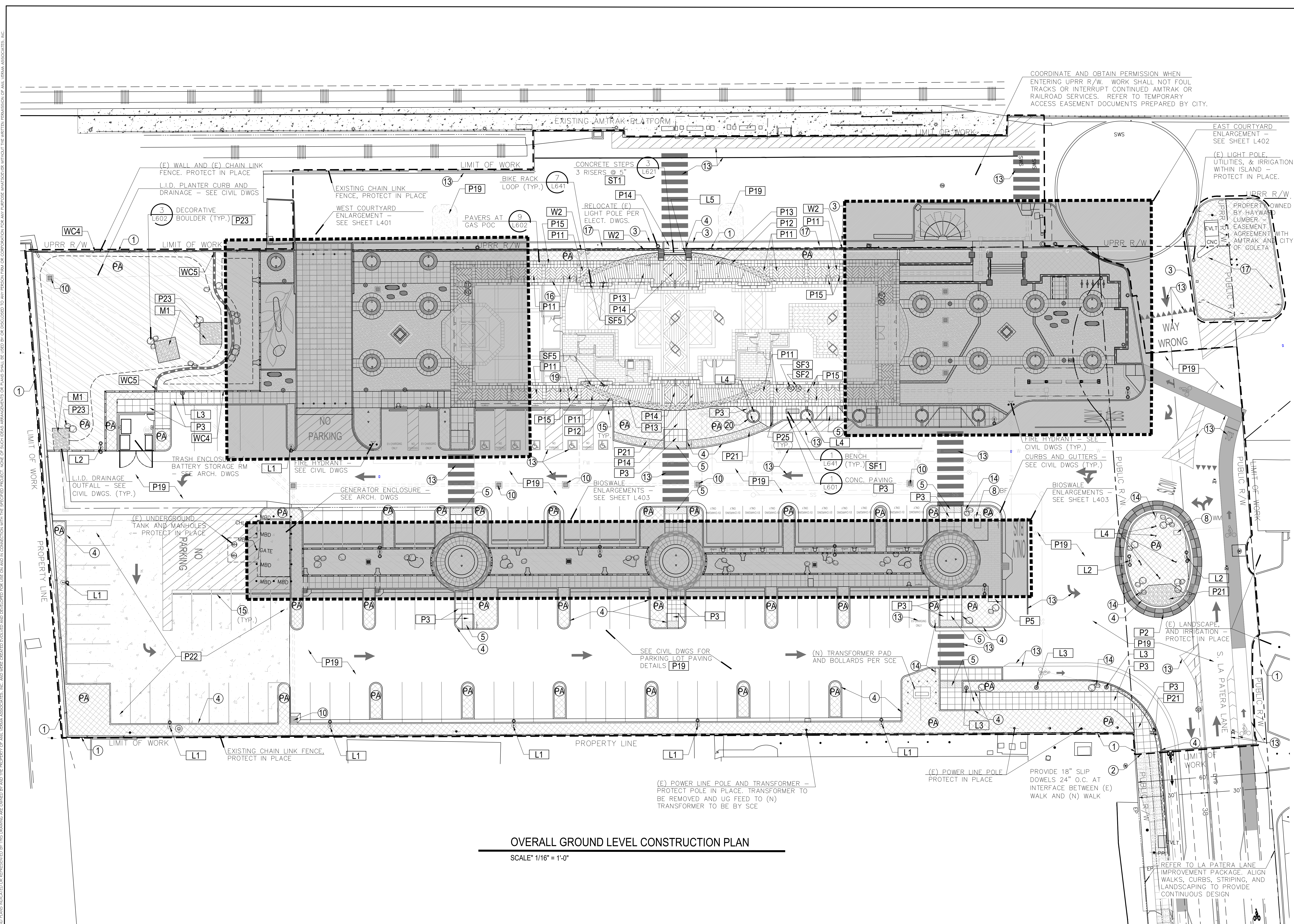
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**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

LANDSCAPE ARCHITECT  
**Landscape Construction Plan**  
 (Overall)



PLAN CHECK #CIP-9079  
**L301**  
 2019-GTD  
 1/16" = 1'-0"  
 SCALE  
 I/FB SUBMITTAL  
 ISSUED AS  
 03/04/2024  
 ISSUE DATE  
 SHEET 28 OF 235



**OVERALL GROUND LEVEL CONSTRUCTION PLAN**  
 SCALE: 1/16" = 1'-0"

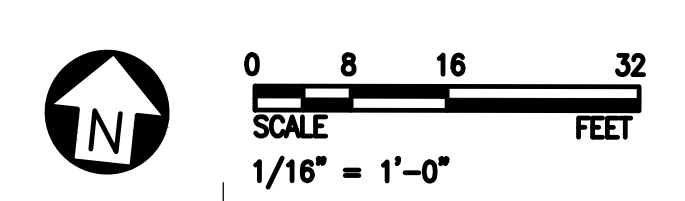
**SYMBOL LEGEND**

	PLANTING AREA		SCORE JOINT
	ALIGN EDGES		ISOLATION CONSTRUCTION JOINT
	RIGHT OF WAY		CONCRETE PAVING
			CONCRETE CURB

**MATERIAL SCHEDULE REFERENCES**

<b>P1</b>	PAVING NOTE - REFER TO 'PAVING SCHEDULE'	<b>F1</b>	FENCE NOTE - REFER TO 'FENCE SCHEDULE'
<b>ST1</b>	STAIR NOTE - REFER TO 'STAIR SCHEDULE'	<b>G1</b>	GATE NOTE - REFER TO 'GATE SCHEDULE'
<b>W1</b>	CMU WALL NOTE - REFER TO 'CMU WALL SCHEDULE'	<b>M1</b>	MISCELLANEOUS CONSTRUCTION NOTE. REFER TO 'CONSTRUCTION NOTE REFERENCE'
<b>WC1</b>	CIP WALL NOTE - REFER TO 'CAST-IN-PLACE WALL SCHEDULE'	<b>PT1</b>	POTTERY NOTE - REFER TO 'POTTERY SCHEDULE'
<b>L1</b>	LIGHTING FIXTURE NOTE - REFER TO 'LIGHTING SCHEDULE'		

**NOTES:**  
 1. REFER TO L300 FOR CONSTRUCTION SCHEDULE  
 2. OFF-SITE IMPROVEMENTS PER RIGHT-OF-WAY PACKAGE  
 3. PROVIDE (2) 18" SLIP DOWELS AT INTERFACE BETWEEN EXISTING WALK AND PROPOSED WALK



**CALL BEFORE YOU DIG**  
 Underground Service Alert  
 Call: TOLL FREE  
 1-800-227-2600  
 TWO WORKING DAYS BEFORE YOU DIG

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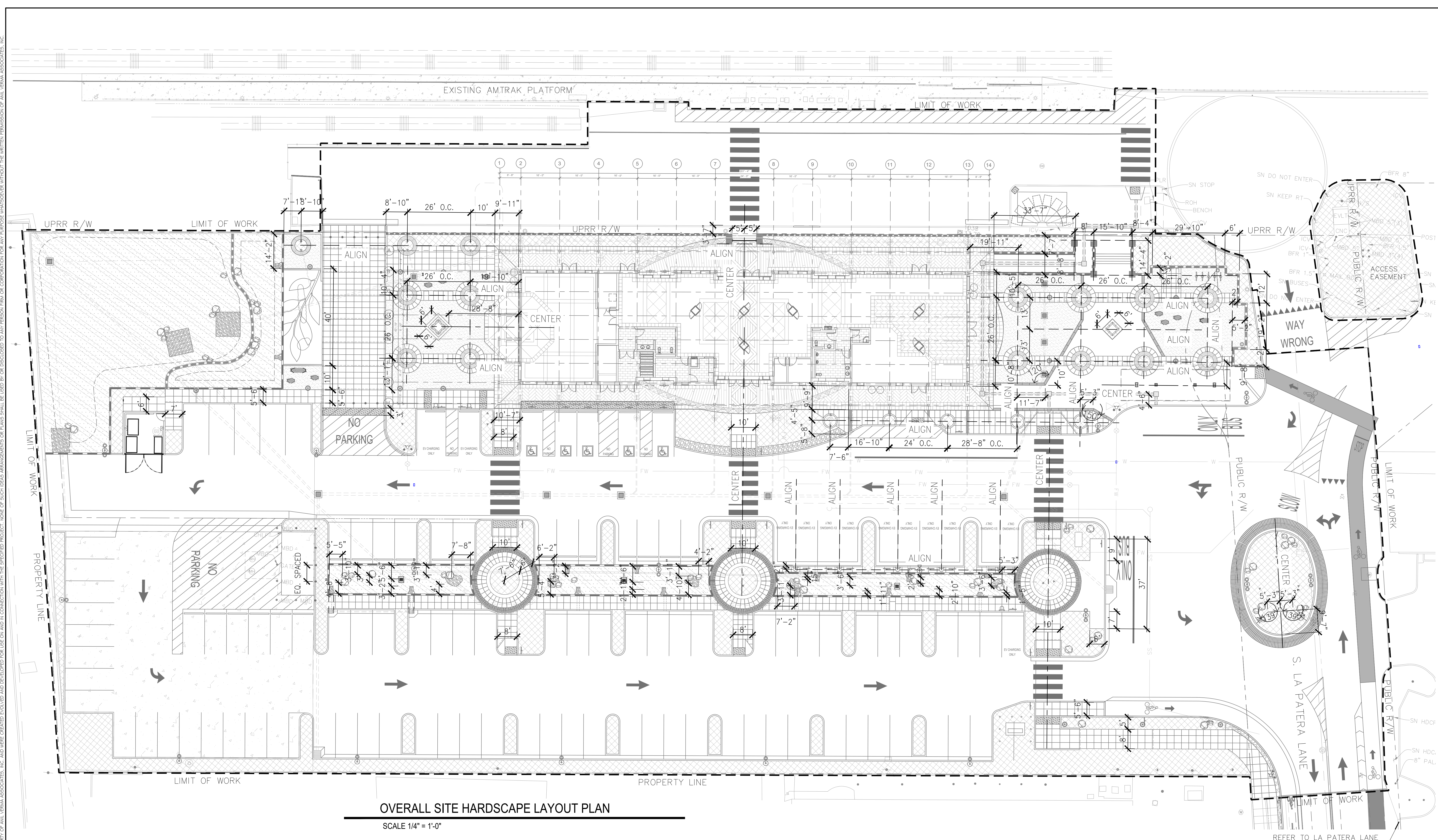
DATE	03/04/2024
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**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

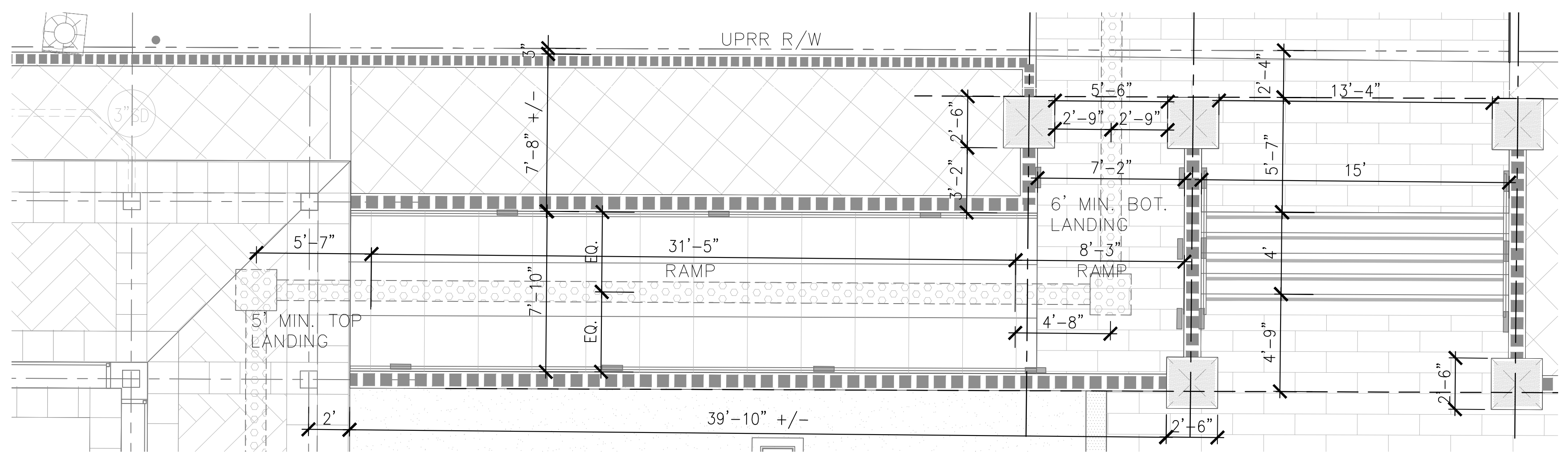
LANDSCAPE LAYOUT PLAN  
 (Overall)



PLAN CHECK #CIP-9079  
**L302**  
 2019-GTD  
 1/16" = 1'-0"  
 ISSUED AS IFB SUBMITTAL  
 03/04/2024  
 SHEET 30 OF 235



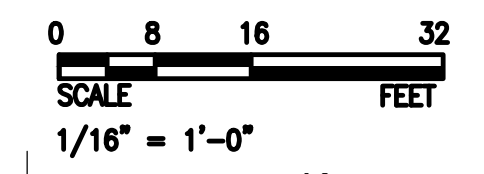
**OVERALL SITE HARDSCAPE LAYOUT PLAN**  
 SCALE 1/4" = 1'-0"



**ENLARGED RAMP LAYOUT PLAN**  
 SCALE 1/4" = 1'-0"

**SYMBOL LEGEND**

- PA PLANTING AREA
- ALIGN EDGES
- R/W RIGHT OF WAY
- SCORE JOINT
- ISOLATION / CONSTRUCTION JOINT
- CONCRETE PAVING
- CONCRETE CURB



Underground Service Alert  
 Call: TOLL FREE 1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

- NOTES:**
- REFER TO L300 FOR CONSTRUCTION MATERIAL SCHEDULE AND L301 FOR HARDSCAPE PLANS
  - OFF-SITE IMPROVEMENTS PER RIGHT-OF-WAY PACKAGE
  - PROVIDE (2) 18" SLIP DOWELS AT INTERFACE BETWEEN EXISTING WALK AND PROPOSED WALK
  - REFER TO L301 FOR CONSTRUCTION PLAN.

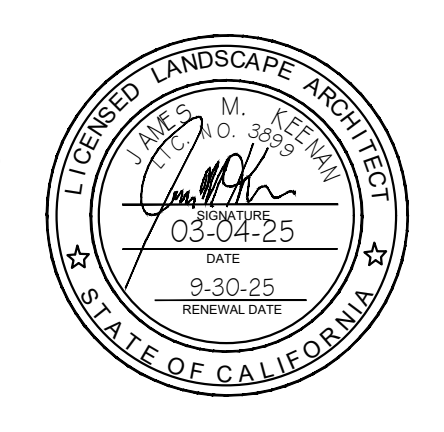
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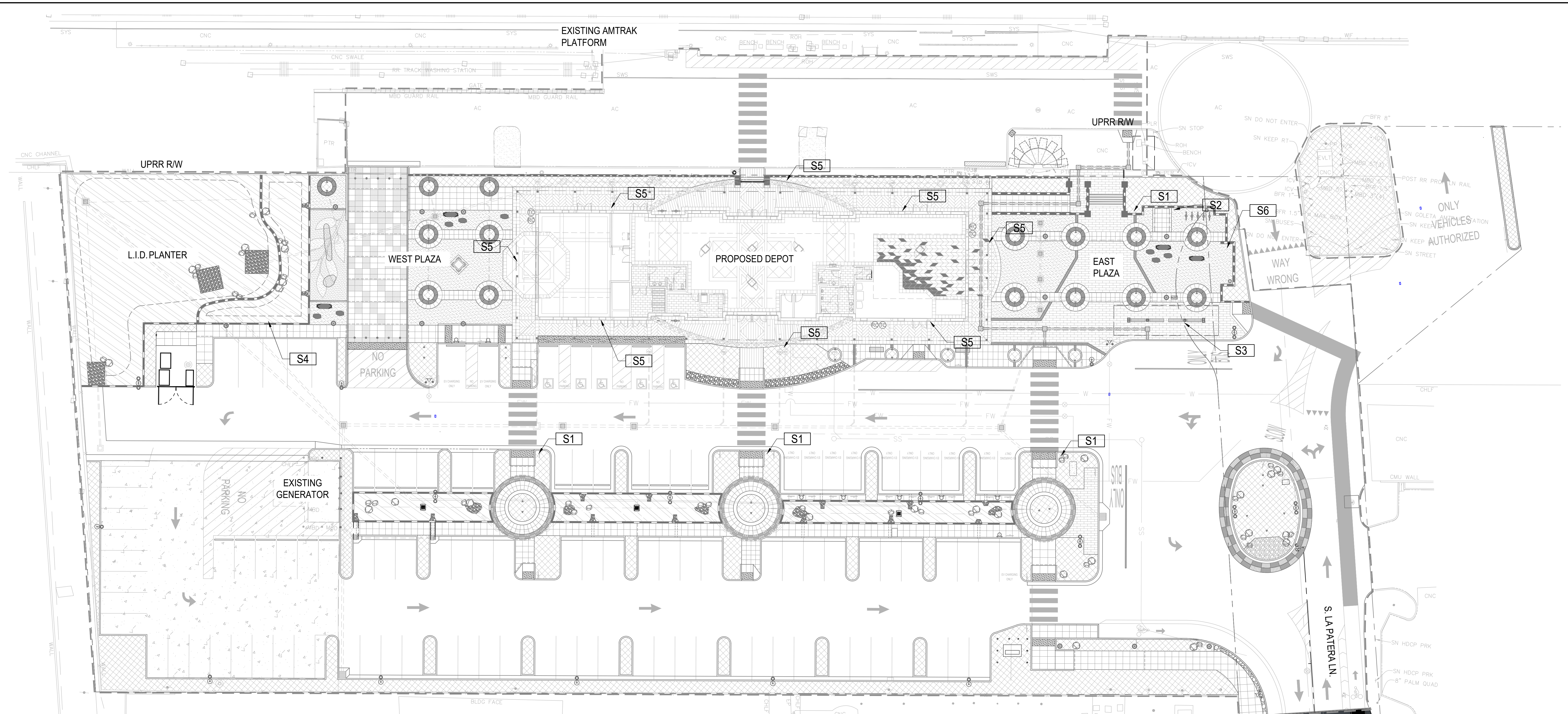
DATE	03/04/2024
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REVISION	

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**Overall Signage Plan**



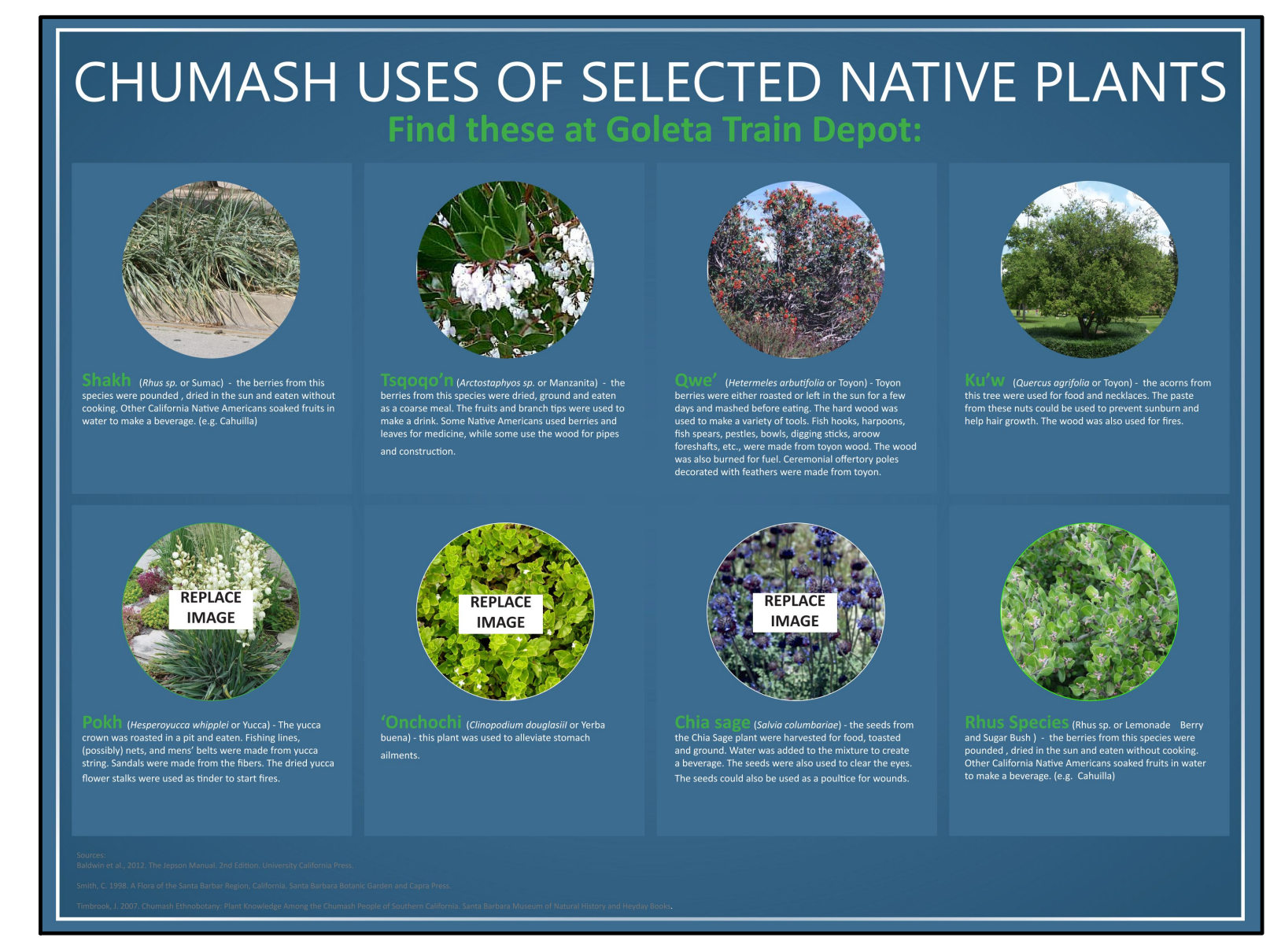
PLAN CHECK #CIP-9079  
**L351**  
 2019-GTD  
 1" = 20'-0"  
 IFB SUBMITTAL  
 ISSUED AS 03/04/2024  
 SHEET 031 OF 235



**OVERALL SIGNAGE PLAN**  
 SCALE 1" = 20'-0"

**SIGNAGE SCHEDULE**

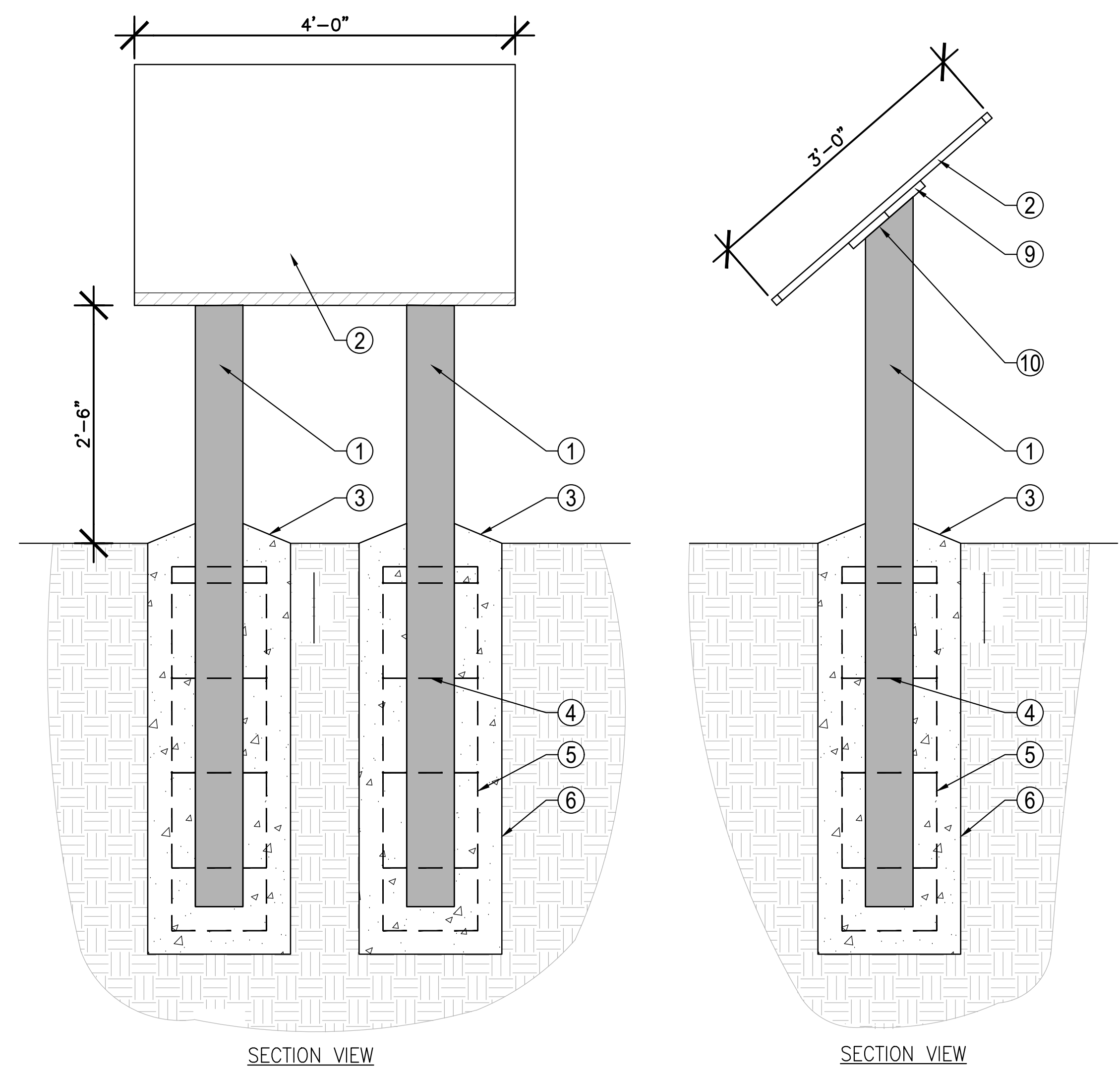
GRAPHIC LAYOUT	TYPE	DETAIL	MOUNTING HEIGHT	QUANTITY	COMMENTS
	S1	1/L603	6'-8"	4	SEE STRUCTURAL DRAWINGS FOR FOOTING DETAIL
	S2	1/L603	6'-8"	1	SEE STRUCTURAL DRAWINGS FOR FOOTING DETAIL
	S3	1/L603	6'-8"	1	SEE STRUCTURAL DRAWINGS FOR FOOTING DETAIL
SEE ENLARGEMENT TO THE RIGHT	S4	2/L603	SEE DETAIL	1	EDUCATIONAL SIGN ABOUT NATIVE AMERICAN PLANTING. GRAPHIC TO BE PROVIDED BY LANDSCAPE ARCHITECT. SIGN POST TO BE BY VACKER SIGNS, PULSE, OR EQUAL. FOOTING DETAILS PER THIS SHEET
	S5	1/L603	6'-8"	4	
SEE DETAIL	S6	3/L603	SEE DETAIL	SEE PLAN	BICYCLE CHARGER POST, SEE STRUCT. DRAWINGS FOR FOOTING DETAIL



**ENLARGED EDUCATIONAL SIGN (NTS)**

- LEGEND:**
- P.T. 6" x 6" WOOD POST (Fb=1200 PSI, TYP. (DOUGLAS FIR-LARCH #1 OR BETTER
  - TILTED INTERPRETIVE SIGN - DENDRON OR PANNIER HIGH PRESSURE LAMINATE GRAPHIC PANEL OR EQUAL. (HIGH RESOLUTION PRINT AND MELAMINE SHEETS WITH A CORE OF PHENOLIC RESIN-IMPREGNATED SHEETS)
  - SLANT CONC. FOR WATER DRAINAGE, TYP.
  - (2) #4 TIES TOP 5", #4 TIES @ 12" O.C. REMAINDER
  - (5) #5 VERTS, 3" CLEARANCE
  - CONSOLIDATED CONC. f'c=3250 PSI
  - COMPACTED SUBGRADE
  - SEE MANUFACTURER'S SPECIFICATIONS FOR SIGN ATTACHMENT
  - MOUNTING PLATE WITH ATTACHMENTS AS RECOMMENDED BY MANUFACTURER
  - CUT TOP OF POST AT 45 DEGREE ANGLE AND ATTACH MOUNTING PLATE TO POSTS.

- NOTES:**
- SIGN TO BE CONSTRUCTED OF 1/8" THICK ALUMINUM.
  - SPECIFIC COLORS NOTED IN THE DETAIL
  - FONT SIZES, SYMBOLS, AND ARROWS SHALL BE SILKSCREENED OR PAINTED UNLESS OTHERWISE NOTED.
  - SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.
  - FOR SIGN MOUNTING DETAILS, SEE L-603.
  - ALL FASTENERS AND MOUNTINGS SHALL BE GALVANIZED OR STAINLESS STEEL PAINTED TO MATCH SURROUNDING COLOR.
  - CONTINUE PAINT COLOR USED ON FRONT OF SIGNS TO SIDES. PAINT BACK OF PANEL WITH DOMINANT COLOR.



SECTION VIEW

SECTION VIEW

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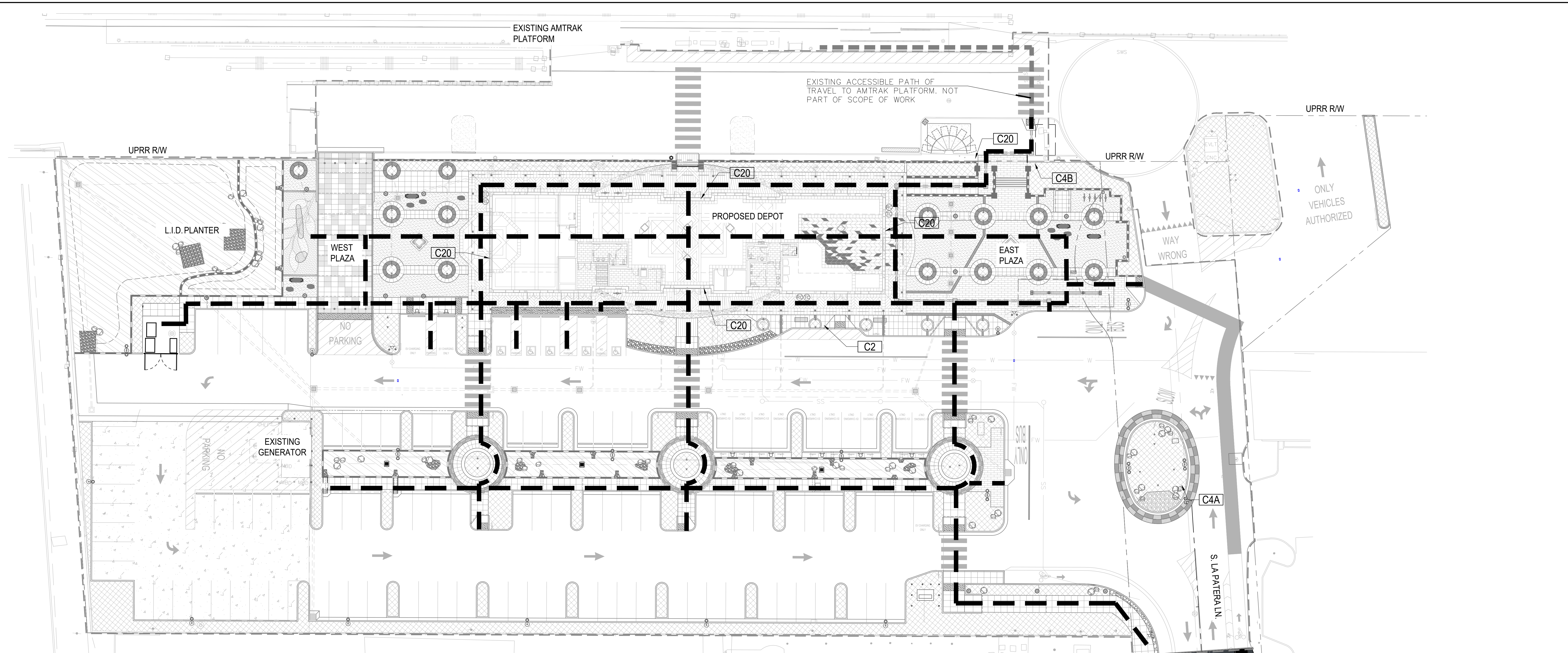
DATE	REVISION
03/04/2024	ISSUE FOR BID

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

Overall Site Accessibility  
 Path of Travel Plan

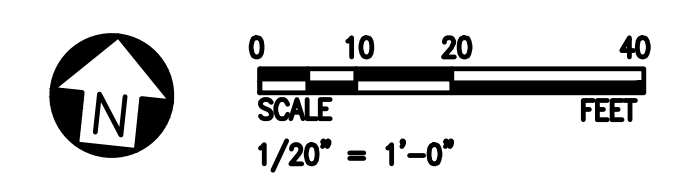


PLAN CHECK #CIP-9079  
**L352**  
 2019-GTD  
 1" = 20'-0"  
 IFB SUBMITTAL  
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 ISSUE DATE  
 SHEET 32 OF 235



**ACCESSIBILITY ROUTE AND SIGNAGE PLAN**

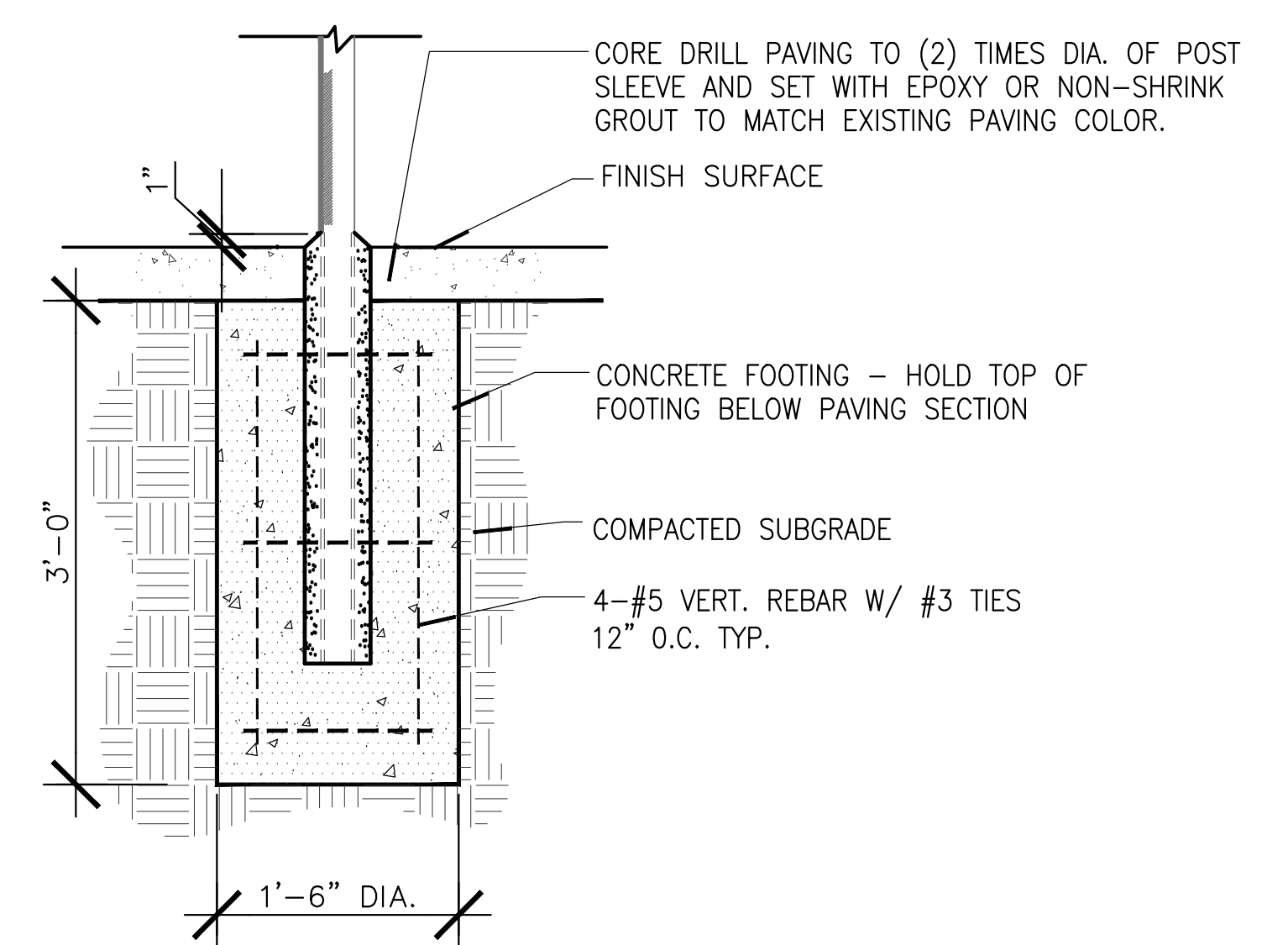
SCALE 1" = 20'-0"



**SIGNAGE SCHEDULE**

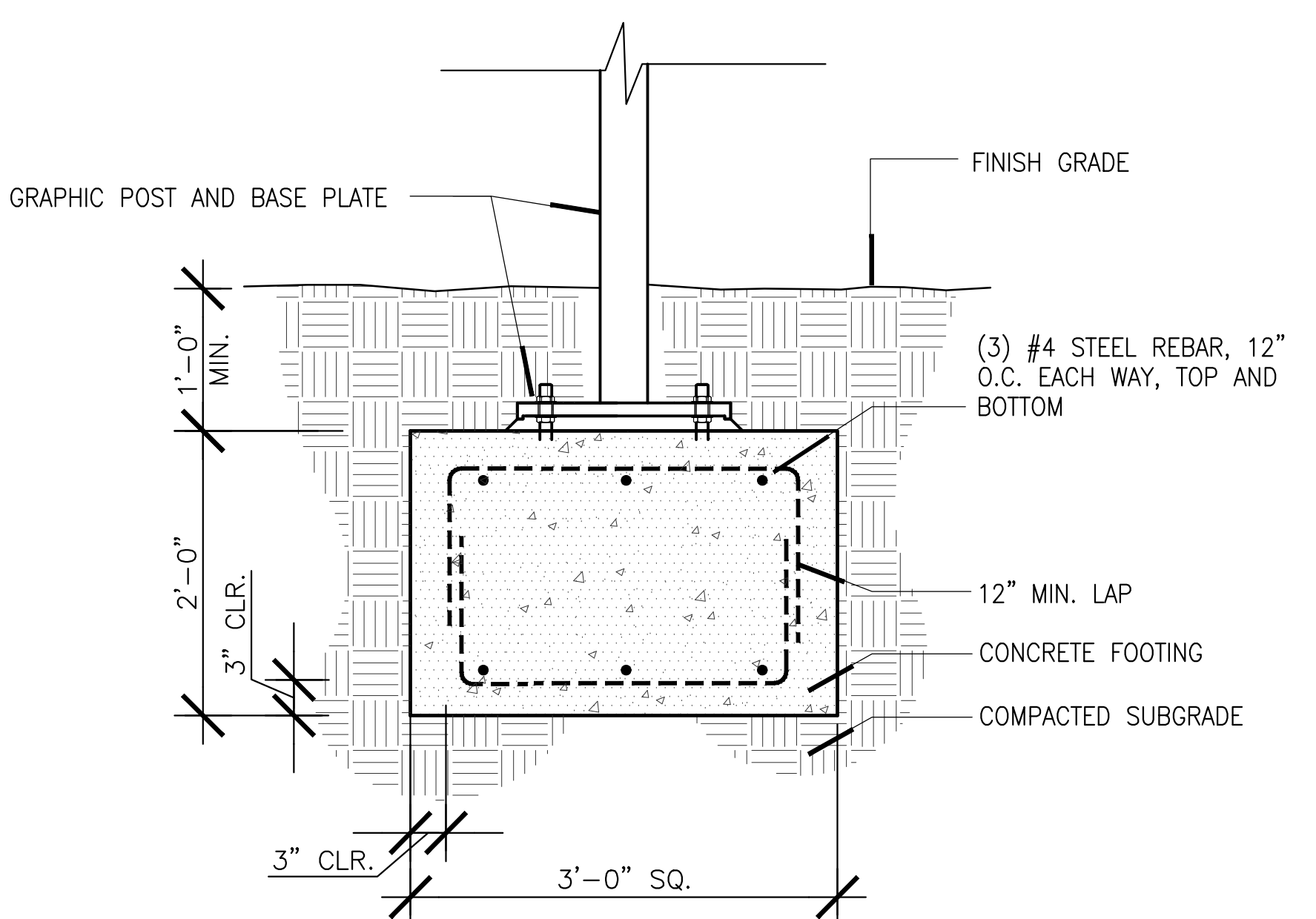
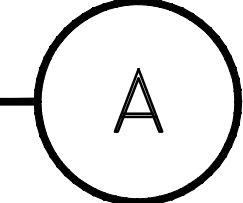
GRAPHIC LAYOUT	TYPE	DETAIL	MOUNTING HEIGHT	QUANTITY	COMMENTS
	C2	DETAIL A, THIS SHEET	6'-8" TO BOTTOM OF SIGN	1	MOUNTED ON 2" PUNCHPOST, PAINTED BASALT GREEN.
	C4A	DETAIL B, THIS SHEET	4'-0" TO BOTTOM OF SIGN	1	MOUNTED ON POST, PAINTED BASALT GREEN.
	C4B	DETAIL B, THIS SHEET	4'-0" TO BOTTOM OF SIGN	1	MOUNTED ON POST, PAINTED BASALT GREEN.
	C20	DETAIL A, THIS SHEET	4'-0" TO CENTER OF SIGN	4	AT DEPOT. POST MOUNTED AT STAIRS.

--- ACCESSIBILITY ROUTE / PATH OF TRAVEL



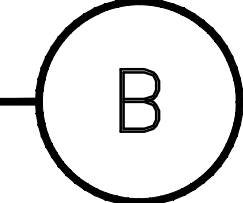
**POST IN CONCRETE PAVING**

SCALE: 1" = 1'-0"



**POST IN PLANTING**

SCALE: 1" = 1'-0"



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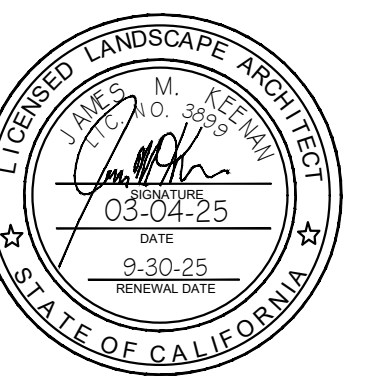


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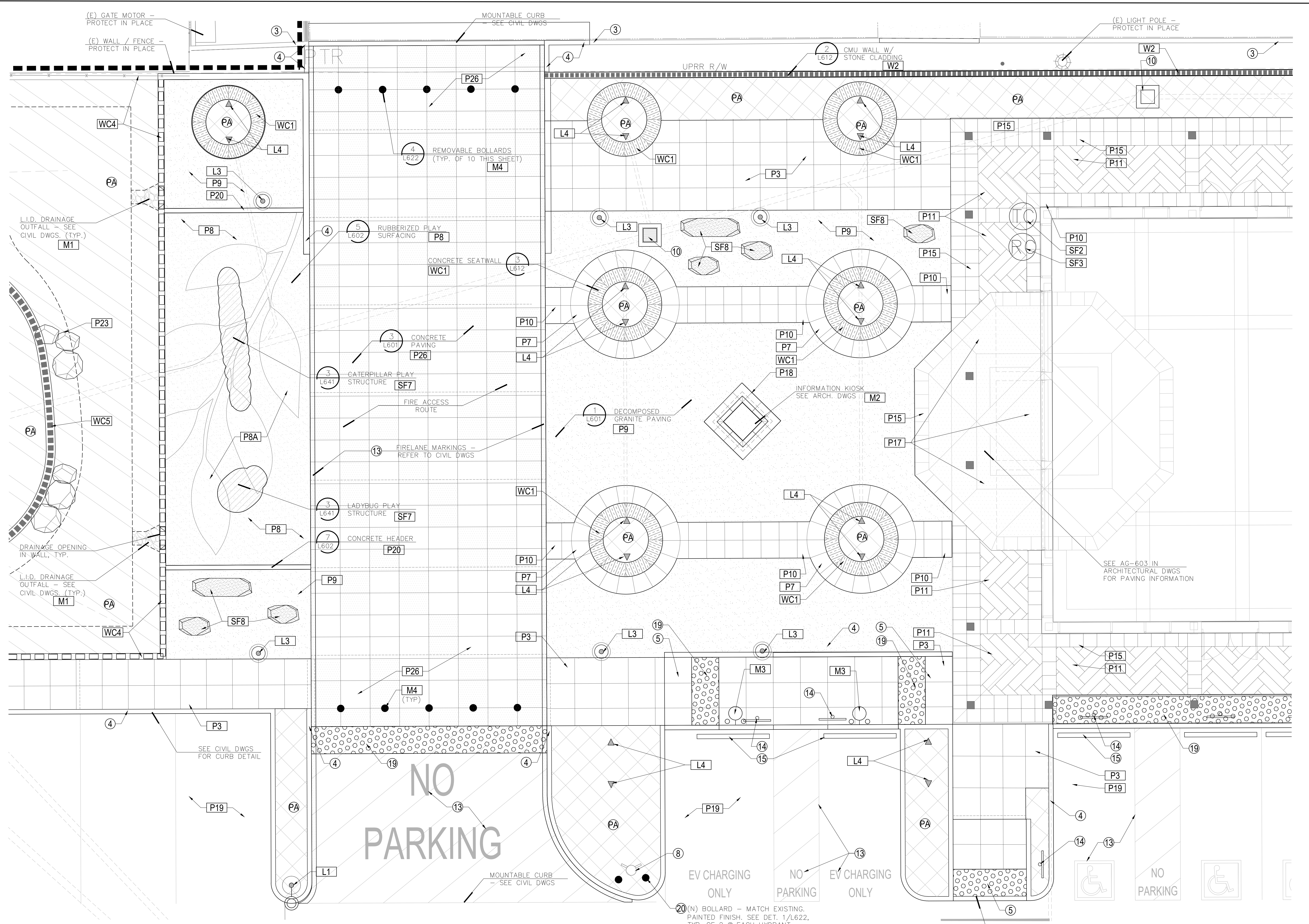
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REVISION	
NO.	DESCRIPTION
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**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**Landscape Construction  
 Enlargement Plan (West)**



PLAN CHECK #CIP-9079  
**L401**  
 2019-GTD  
 1/4" = 1'-0"  
 I/FB SUBMITTAL  
 ISSUED AS 03/04/2024  
 ISSUE DATE  
 SHEET 33 OF 235



**WEST PLAZA ENLARGEMENT**  
 SCALE 1/4" = 1'-0"

**SYMBOL LEGEND**

PA	PLANTING AREA
↔	ALIGN EDGES
R/W	RIGHT OF WAY
—	SCORE JOINT
—	ISOLATION / CONSTRUCTION JOINT
—	CONCRETE PAVING
—	CONCRETE CURB

**MATERIAL SCHEDULE REFERENCES**

P1	PAVING NOTE - REFER TO 'PAVING SCHEDULE'	F1	FENCE NOTE - REFER TO 'FENCE SCHEDULE'
ST1	STAIR NOTE - REFER TO 'STAIR SCHEDULE'	G1	GATE NOTE - REFER TO 'GATE SCHEDULE'
W1	CMU WALL NOTE - REFER TO 'CMU WALL SCHEDULE'	M1	MISCELLANEOUS CONSTRUCTION NOTE. REFER TO 'CONSTRUCTION NOTE REFERENCE'
WC1	CIP WALL NOTE - REFER TO 'CAST-IN-PLACE WALL SCHEDULE'	PT1	POTTERY NOTE - REFER TO 'POTTERY SCHEDULE'
L1	LIGHTING FIXTURE NOTE - REFER TO 'LIGHTING SCHEDULE'		

- NOTES:**
- REFER TO L300 FOR CONSTRUCTION SCHEDULE
  - OFF-SITE IMPROVEMENTS PER RIGHT-OF-WAY PACKAGE
  - PROVIDE (2) 18" SLIP DOWELS AT INTERFACE BETWEEN EXISTING WALK AND PROPOSED WALK



INVITATION FOR BID 03-04-2024

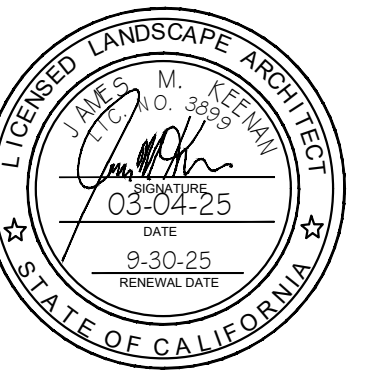


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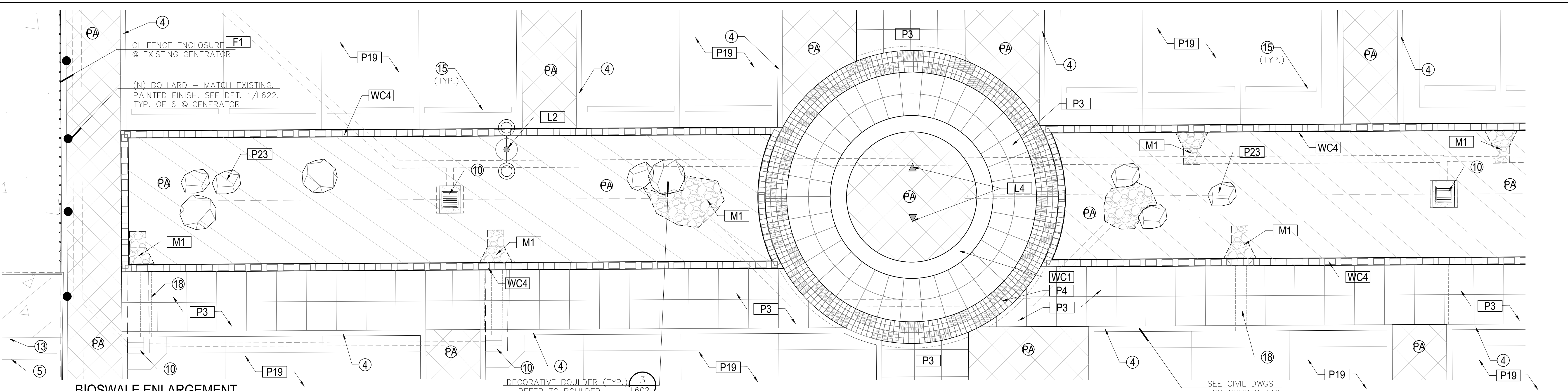
**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

**Landscape Construction**  
**Enlargement Plan (Parking Lot)**

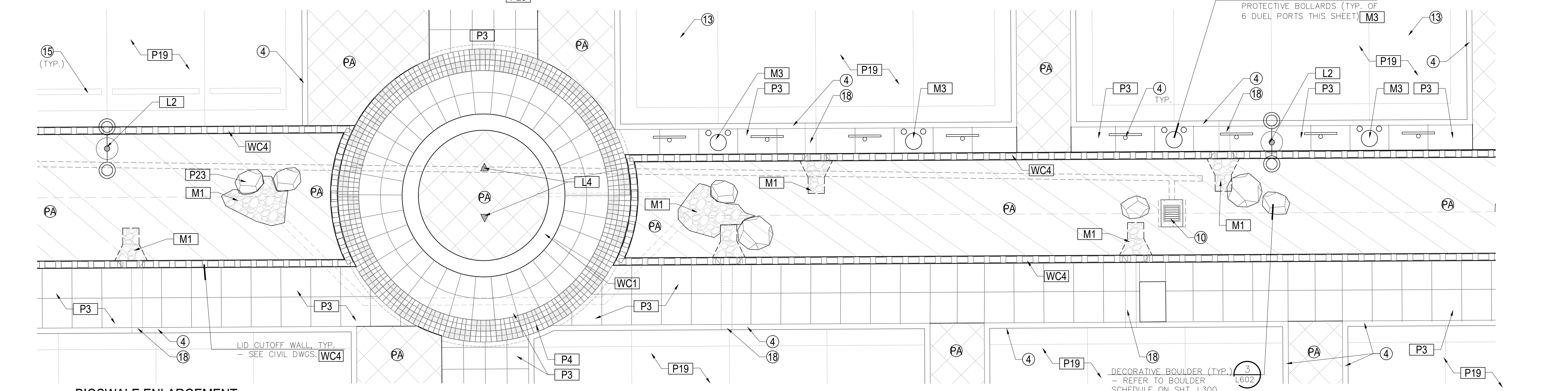


PLAN CHECK #CIP-9079  
**L403**  
 2019-GTD  
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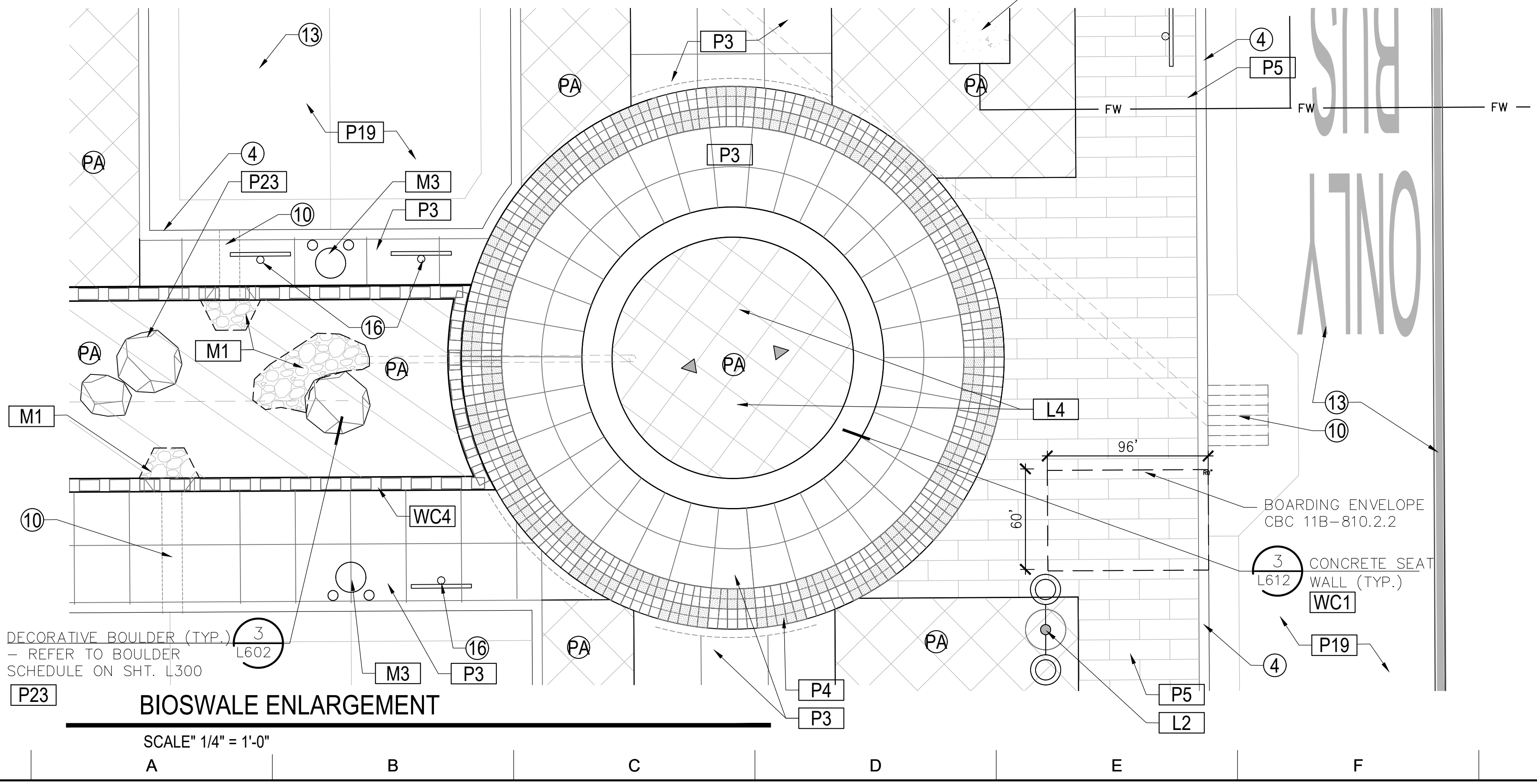
INVITATION FOR BID 03-04-2024



**BIOSWALE ENLARGEMENT**  
 SCALE 1/4" = 1'-0"



**BIOSWALE ENLARGEMENT**  
 SCALE 1/4" = 1'-0"



**BIOSWALE ENLARGEMENT**  
 SCALE 1/4" = 1'-0"

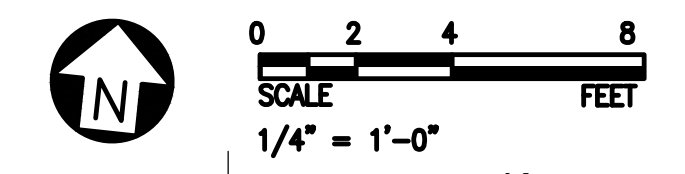
**SYMBOL LEGEND**

PA	PLANTING AREA	SCORE JOINT
ALIGN EDGES		ISOLATION / CONSTRUCTION JOINT
R/W	RIGHT OF WAY	CONCRETE PAVING
		CONCRETE CURB

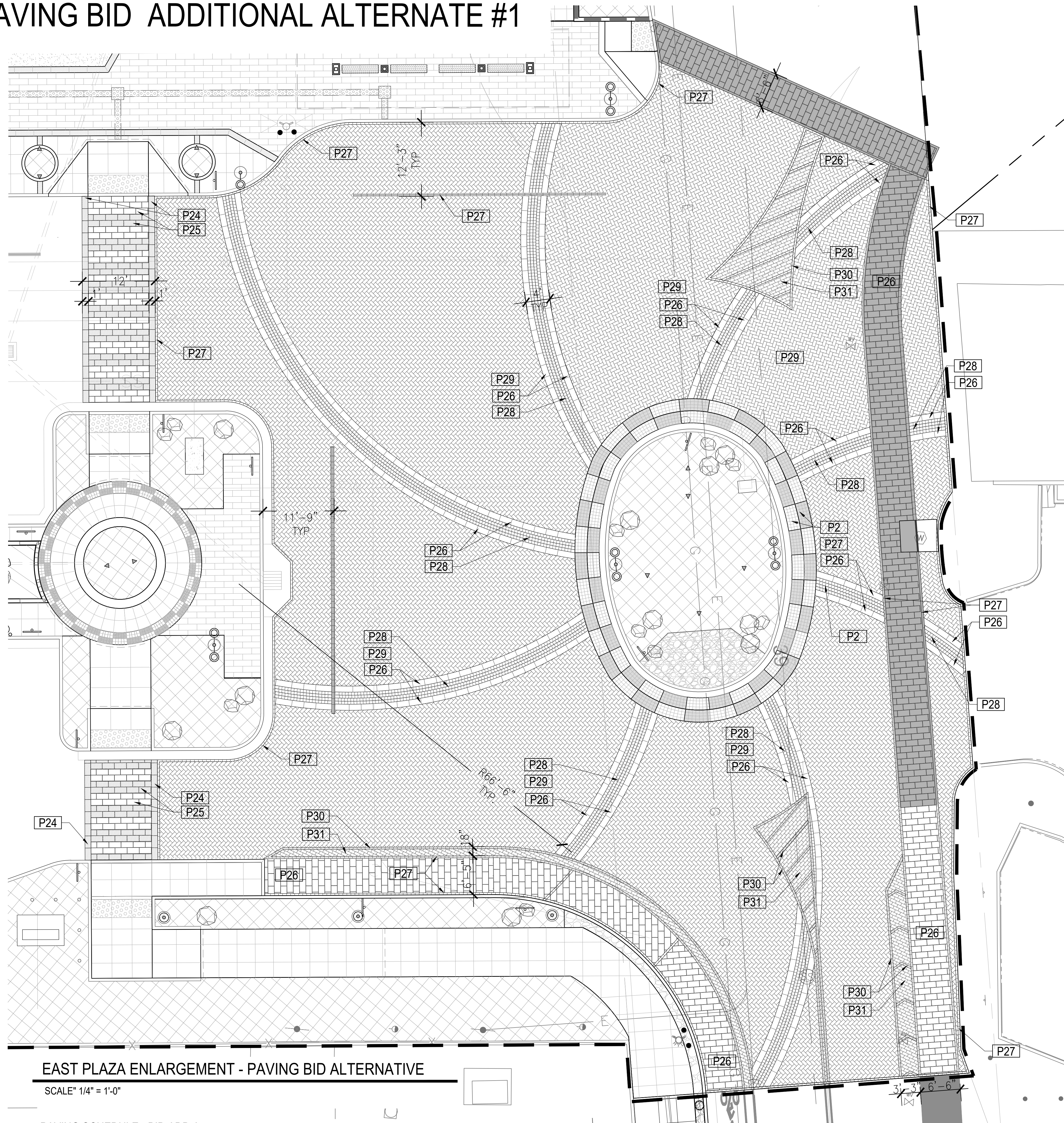
**MATERIAL SCHEDULE REFERENCES**

P1	PAVING NOTE - REFER TO 'PAVING SCHEDULE'	F1	FENCE NOTE - REFER TO 'FENCE SCHEDULE'
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W1	CMU WALL NOTE - REFER TO 'CMU WALL SCHEDULE'	M1	MISCELLANEOUS CONSTRUCTION NOTE. REFER TO 'CONSTRUCTION NOTE REFERENCE'
WC1	CIP WALL NOTE - REFER TO 'CAST-IN-PLACE WALL SCHEDULE'	PT1	POTTERY NOTE - REFER TO 'POTTERY SCHEDULE'
L1	LIGHTING NOTE - REFER TO 'LIGHTING SCHEDULE'		

- NOTES:**
- REFER TO L300 FOR CONSTRUCTION SCHEDULE
  - OFF-SITE IMPROVEMENTS PER RIGHT-OF-WAY PACKAGE
  - PROVIDE (2) 18" SLIP DOWELS AT INTERFACE BETWEEN EXISTING WALK AND PROPOSED WALK



# PAVING BID ADDITIONAL ALTERNATE #1

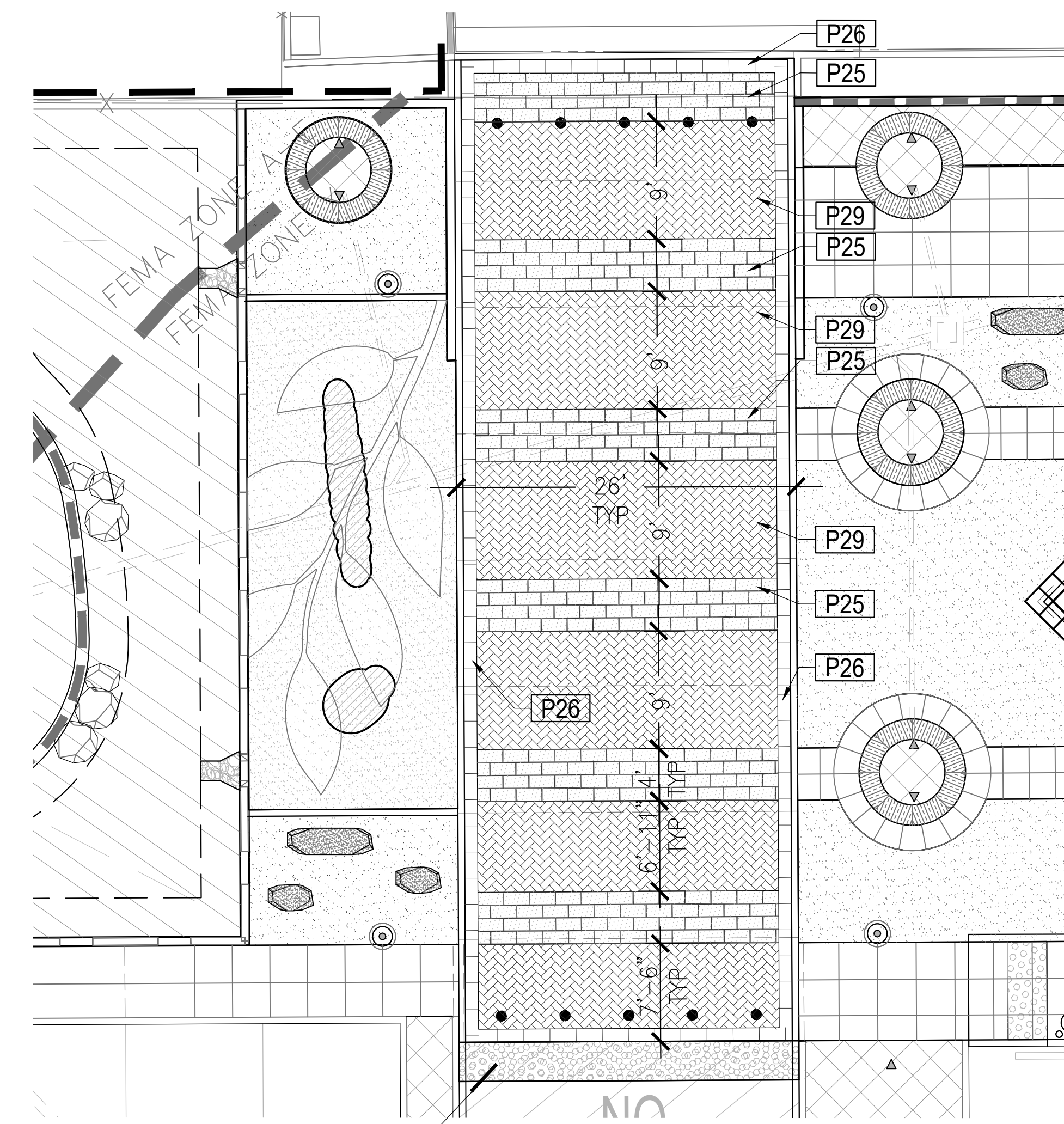


**EAST PLAZA ENLARGEMENT - PAVING BID ALTERNATIVE**

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

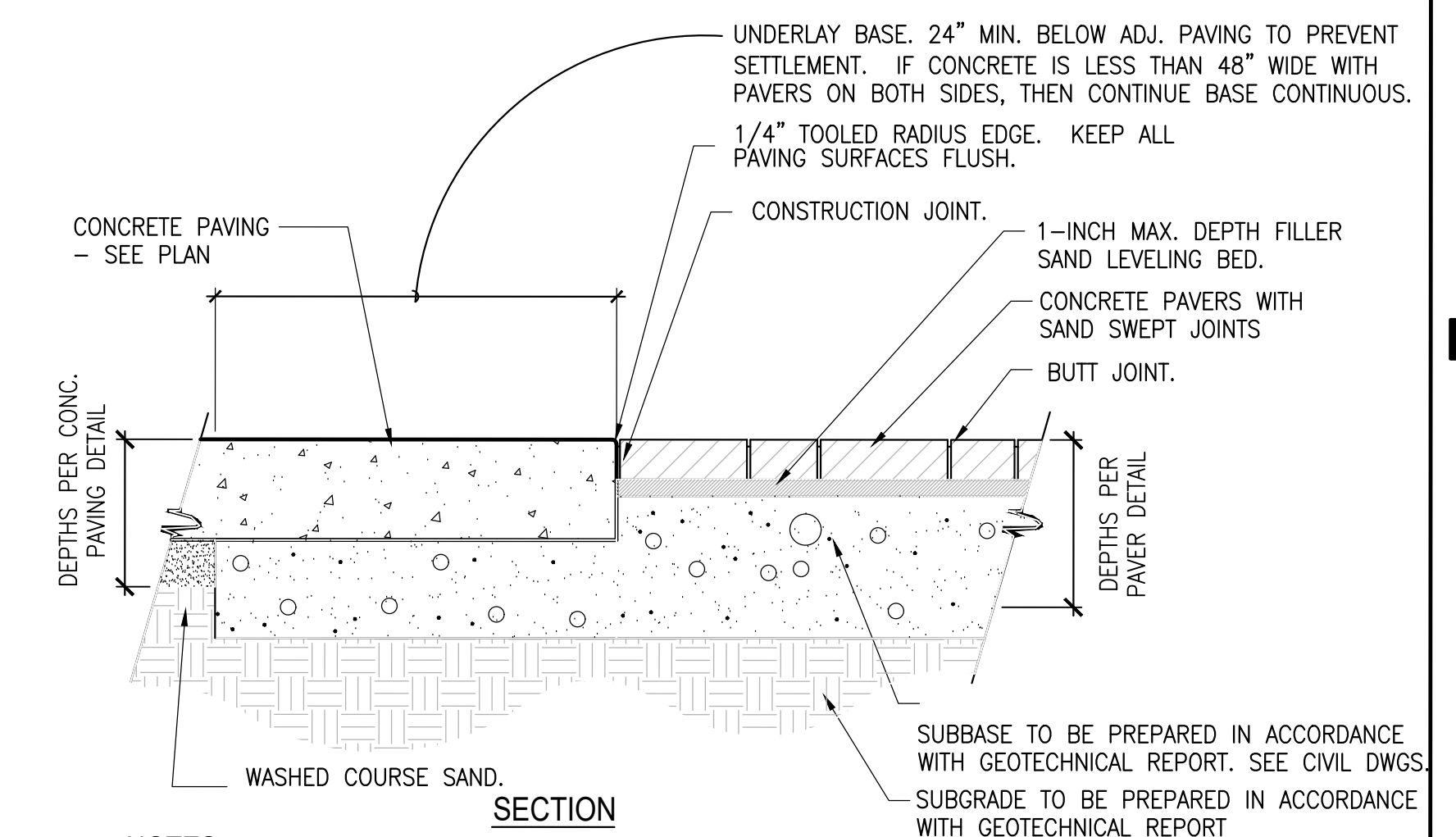
**PAVING SCHEDULE - BID ADD ALT**

SYMBOL	DETAIL	DESCRIPTION	PATTERN	MANUFACTURER	COLOR	FINISH	JOINT	REINFORCEMENT	COMMENTS
P2	8/L601	CONCRETE PAVER (VEHICULAR)	6"x6" & 3"x6" X 2-3/8" RADIAL CHECKERBOARD	HANOVER PAVERS "APPIAN 6X6 & 6X3	ALTERNATED TAN AND NATURAL - 24"x48"	TUDOR, SEALED, CHISELED	SAND SWEPT	SEE DETAIL	VEHICULAR ENTRY CIRCLE BASE BID. SEE L-301
P24	2/L404	CONCRETE PAVING BAND (VEHICULAR)	12" WIDE X 6" THK W/ JOINTS @ 24" O.C.	DAVIS COLORS	KAILUA #677 (P3A)	TOPCAST #50	SAWCUT	SEE DETAIL	CROSSWALK EDGE QUANTITY: --- SF
P25	1/L404	CONCRETE PAVER (VEHICULAR)	12" X 24" X 2-3/4" RUNNING BOND, ALT. BANDS	WALUSAU TILE H-SERIES FRONTIER	HFT-60 AND HFT-25 50-50 ALT. PATTERN	FRONTIER SERIES SEALED	SAND SWEPT	SEE DETAIL	CROSSWALK FIELD QUANTITY: --- SF
P26	1/L404	CONCRETE PAVER (VEHICULAR)	12" X 24" X 2-3/4" RUNNING BOND.	WALUSAU TILE H-SERIES FRONTIER	HFT-60 & HFT-25 30-70 RANDOM MIX	FRONTIER SERIES SEALED	SAND SWEPT	SEE DETAIL	BIKE PATH QUANTITY: --- SF
P27	1/L404	CONCRETE PAVER (VEHICULAR)	4" X 8" X 80MM HERRINGBONE	ACKERSTONE HOLLAND I	CHARCOAL AT BORDER WHITE AT BIKE LANE EDGE	SMOOTH, SEALED MICRO CHAMFER	SAND SWEPT	SEE DETAIL	QUANTITY: --- SF
P28	8/L601	CONCRETE PAVER (VEHICULAR)	6"x6" & 3"x6" X 2-3/8" RADIAL PATTERN	HANOVER PAVERS "APPIAN 6X6 & 6X3	TAN	TUDOR, SEALED, CHISELED	SAND SWEPT	SEE DETAIL	VEHICULAR ENTRY CIRCLE BASE BID. SEE L-301
P29	1/L404	CONCRETE PAVER (VEHICULAR)	4" X 8" X 80MM HERRINGBONE	ACKERSTONE HOLLAND I	TAN CHARCOAL	SMOOTH, SEALED MICRO CHAMFER	SAND SWEPT	SEE DETAIL	QUANTITY: --- SF
P30	1/L404	CONCRETE PAVER (VEHICULAR)	4" X 8" X 80MM - SINGLE STRETCHER COURSE	ACKERSTONE HOLLAND I	WHITE	SMOOTH, SEALED MICRO CHAMFER	SAND SWEPT	SEE DETAIL	QUANTITY: --- SF
P31	1/L404	CONCRETE PAVER (VEHICULAR)	4" X 8" X 80MM - RUNNING BOND	ACKERSTONE HOLLAND I	DARK BROWN	SMOOTH, SEALED MICRO CHAMFER	SAND SWEPT	SEE DETAIL	QUANTITY: --- SF



**WEST PLAZA FIRE LANE ENLARGEMENT - PAVING BID ALTERNATIVE #3**

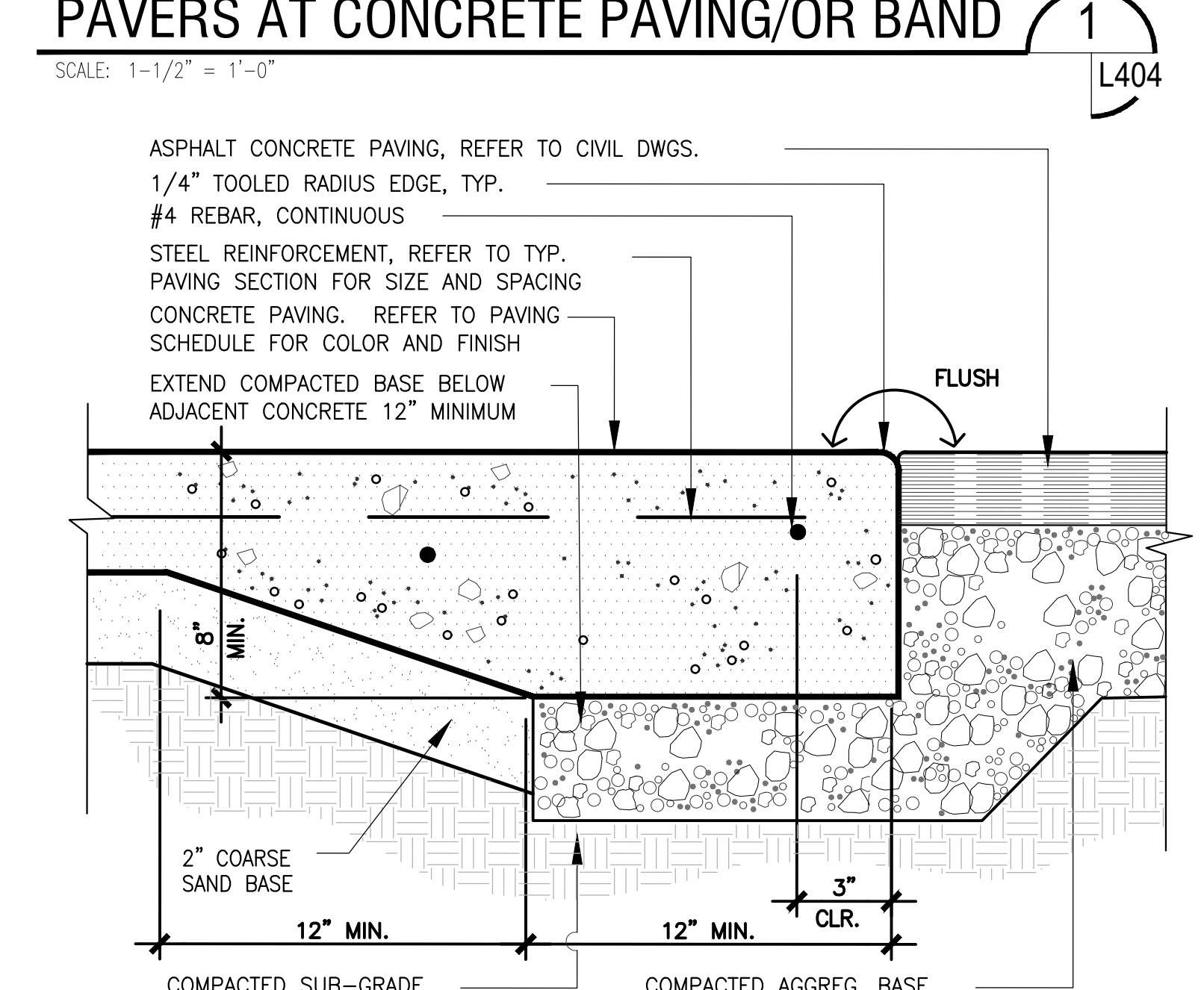
SCALE: 1/4" = 1'-0"



**PAVERS AT CONCRETE PAVING/OR BAND**

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

NOTES: 1. REFER TO CONSTRUCTION SCHEDULE FOR COLOR, FINISH, AND SEALER APPLICATION

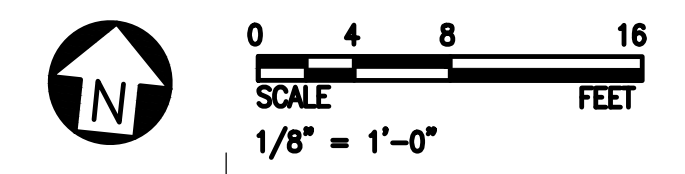


**ASPHALT EDGE AT EXISTING PAVING**

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

NOTES: 1. REFER TO CONSTRUCTION SCHEDULE FOR COLOR, FINISH, AND SEALER APPLICATION

- NOTES:**
- REFER TO L300 FOR CONSTRUCTION SCHEDULE
  - OFF-SITE IMPROVEMENTS PER RIGHT-OF-WAY PACKAGE
  - PROVIDE (2) 18" SLIP DOWELS AT INTERFACE BETWEEN EXISTING WALK AND PROPOSED WALK



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TWO WORKING DAYS BEFORE YOU DIG



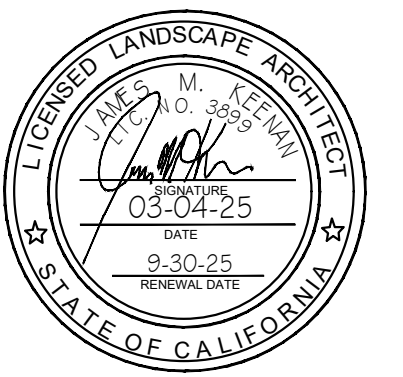
**Anil Verma Associates, Inc.**  
 1000 S. GARDEN ST. SUITE 100  
 OAKLAND, CA 94612  
 TEL: (415) 861-1188  
 FAX: (415) 861-1189  
 WWW.AVASSOCIATES.COM

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REVISION	DATE	DESCRIPTION
A	03/04/2024	ISSUE FOR BID

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE STE G, GOLETA, CA 93117

**Landscape Construction**  
 Enlargement Plan (Main Entrance)



PLAN CHECK #CIP-9079  
**L404**  
 2019-GTD  
 IFS SUBMITTAL  
 ISSUED AS 03/04/2024  
 SHEET 36 OF 235

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INVITATION FOR BID 03-04-2024

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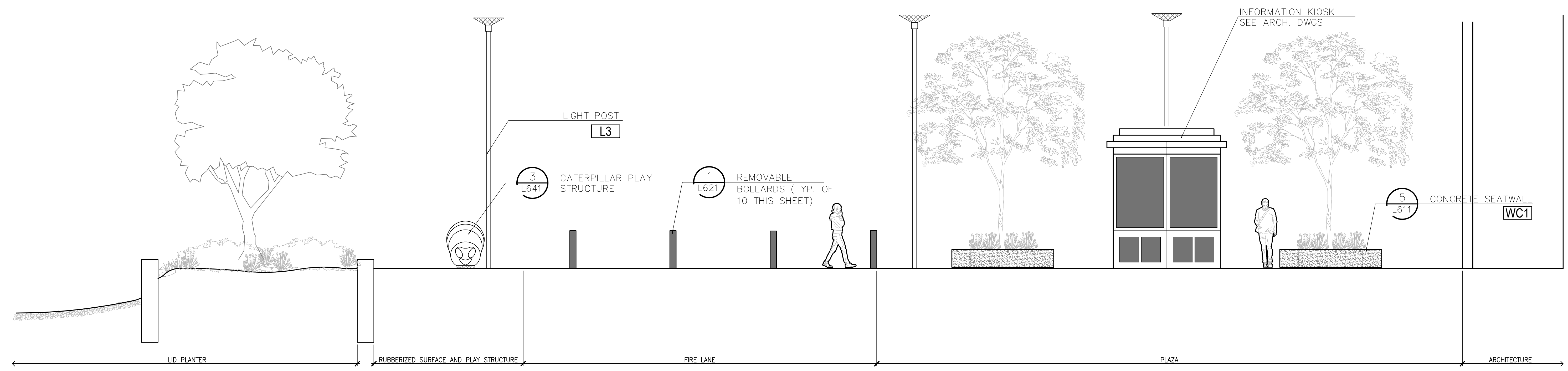
DATE	03/04/2024
REVISIONS	
ISSUE FOR BID	
ELEVATION	A

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

Sections & Elevations



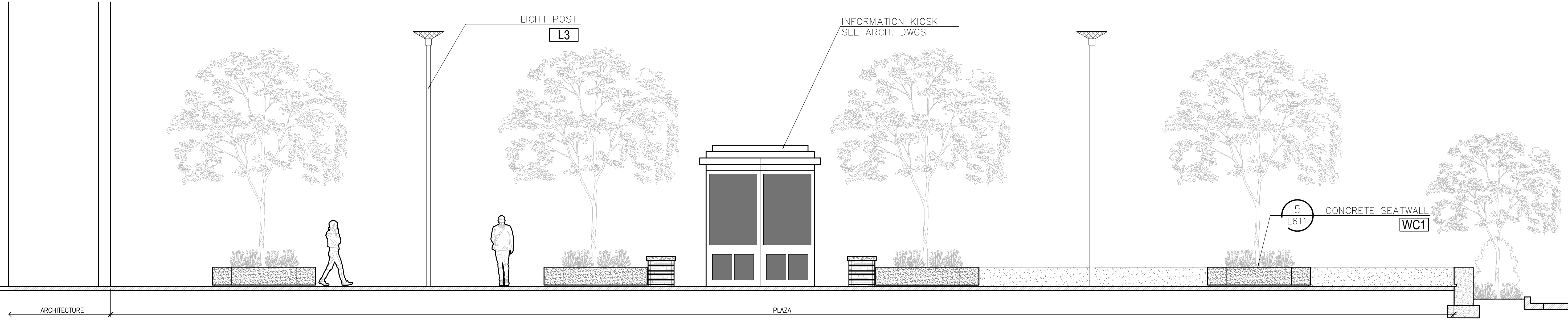
PLAN CHECK #CIP-9079  
**L501**  
 2019-GTD  
 SCALE 1/4" = 1'-0"  
 IFB SUBMITTAL  
 ISSUED AS 03/04/2024  
 SHEET 037 OF 235



**WEST PLAZA**

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

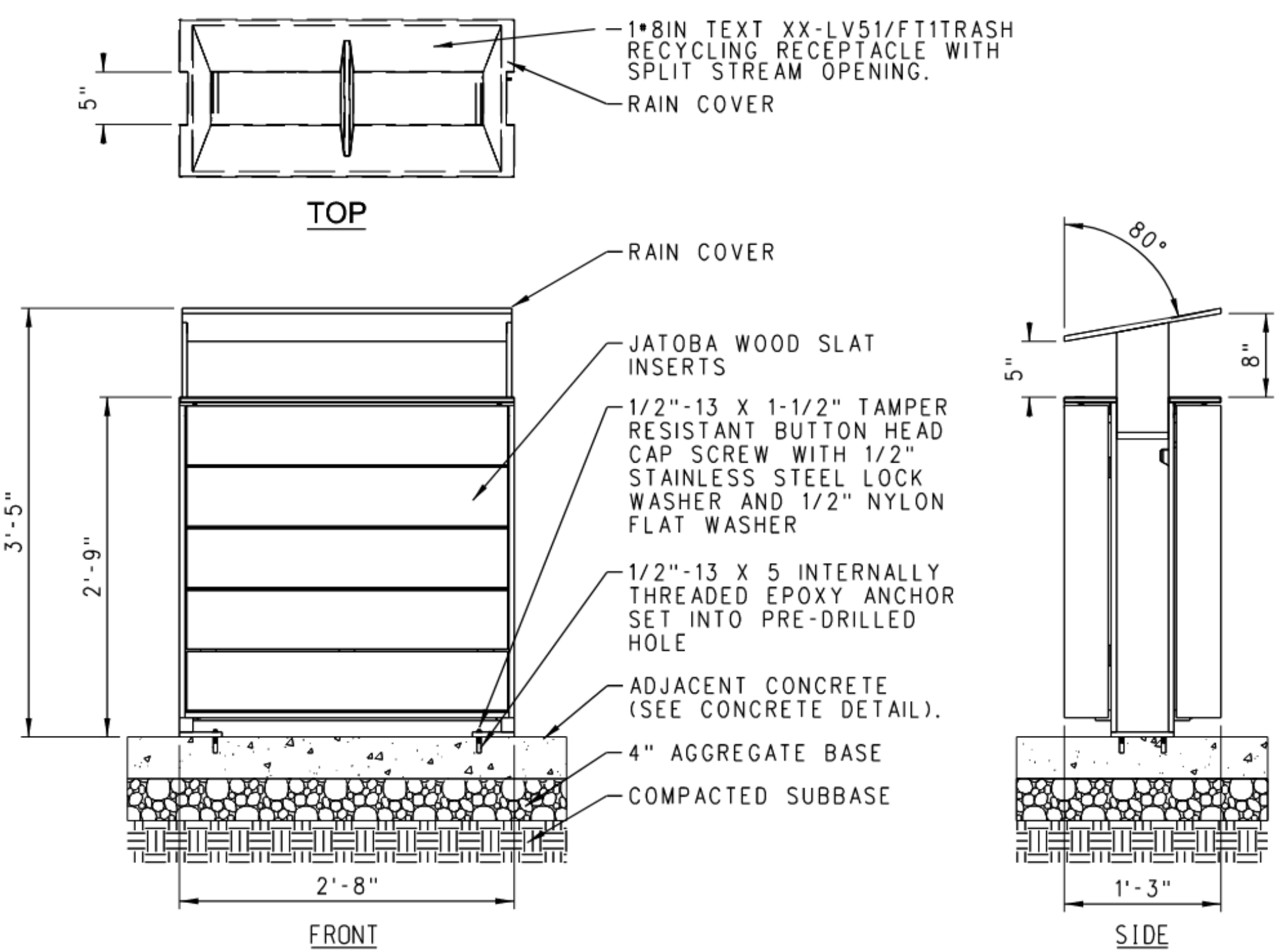
1  
L501



**EAST PLAZA**

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

2  
L501



- NOTES:**
- HAMMER DRILL 5" DEEP X 7/8" DIA. ANCHOR HOLES AT EACH MARKED LOCATION USING A 7/8" DRILL BIT SUITABLE FOR CONCRETE DRILLING.
  - TIGHTEN MOUNTING SCREWS TILL SNUG. DO NOT OVER TIGHTEN.

**TRASH RECYCLING RECEPTACLE**

SF9

SCALE: 1" = 1'-0"

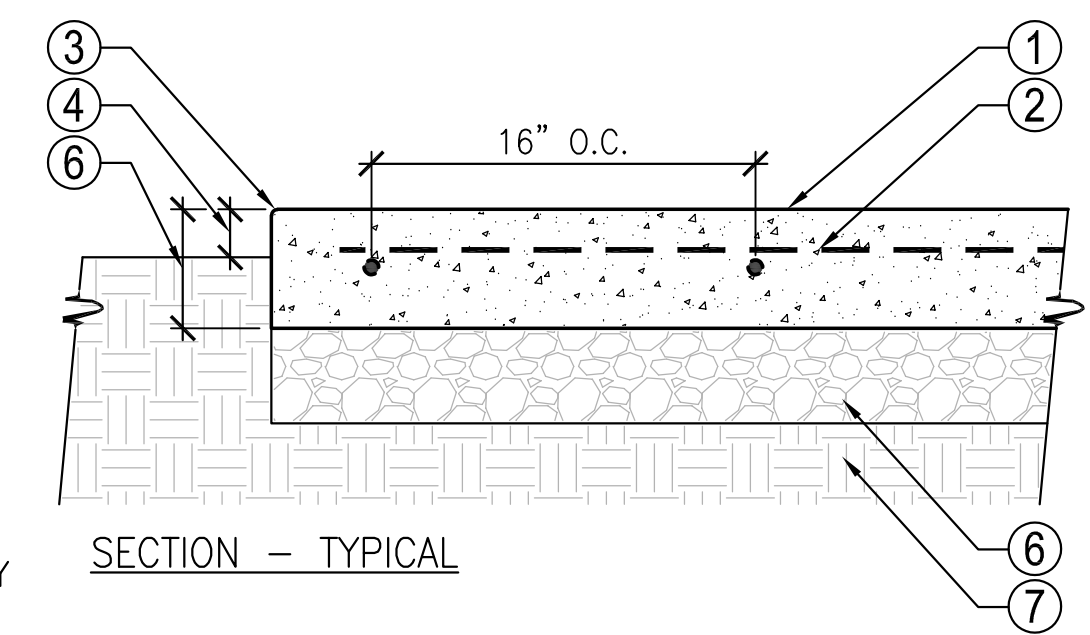
4  
L501

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INVITATION FOR BID 03-04-2024

DATE	DESCRIPTION
03/04/2024	ISSUE FOR BID

INVITATION FOR BID 03-04-2024



**LEGEND**

1. CONCRETE PAVING
2. CONCRETE REINFORCEMENT  
-#4 REBAR @ 16" O.C. EACH WAY
3. 1/4" RADIUS ALL EXPOSED EDGES
4. FINISH GRADE - 2" AT PLANTER AREAS
5. 4" MIN. DEPTH AT PEDESTRIAN AREAS. REFER TO CIVIL ENGINEER'S PLANS FOR DEPTH AT VEHICULAR AREAS (6" OR GREATER).
6. COMPACTED AGGREGATE BASE AT 95%  
-PEDESTRIAN: 4" DEPTH  
-VEHICULAR: REFER TO CIVIL ENGINEER'S PLANS
7. COMPACTED SUBGRADE AT 95%

**NOTES:**

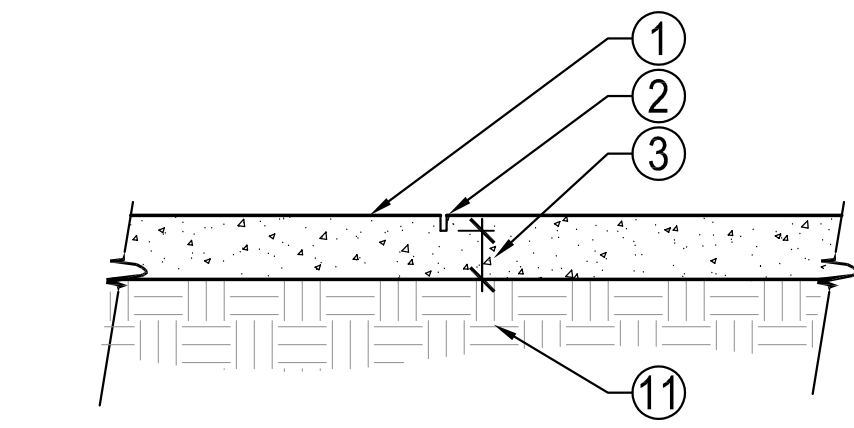
- A. COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION SCHEDULE
- B. REFER TO L300 SERIES FOR WALK WIDTH, JOINTING, AND ADJACENT CONDITIONS
- C. ALL WALKS TO HAVE 1% MIN. - 2% MAX. GROSS SLOPE
- D. ALL PAVING INTERSECTIONS TO BE 2% MAX IN ALL DIRECTIONS TO MEET ADA REQUIREMENTS
- E. CONCRETE PAVING JOINTS; REFER TO DETAIL 2
- F. HOLD REINFORCEMENT 3" CLEAR FROM EDGE OF PAVEMENT, SUPPORT REBAR WITH CHAIRS
- G. PAVING DEPTH, BASE PREPARATION, AND REINFORCEMENT SHOWN FOR BID PURPOSES ONLY. CONTRACTOR TO VERIFY AND COMPLY WITH GEOTECHNICAL REPORT

**COORDINATION**

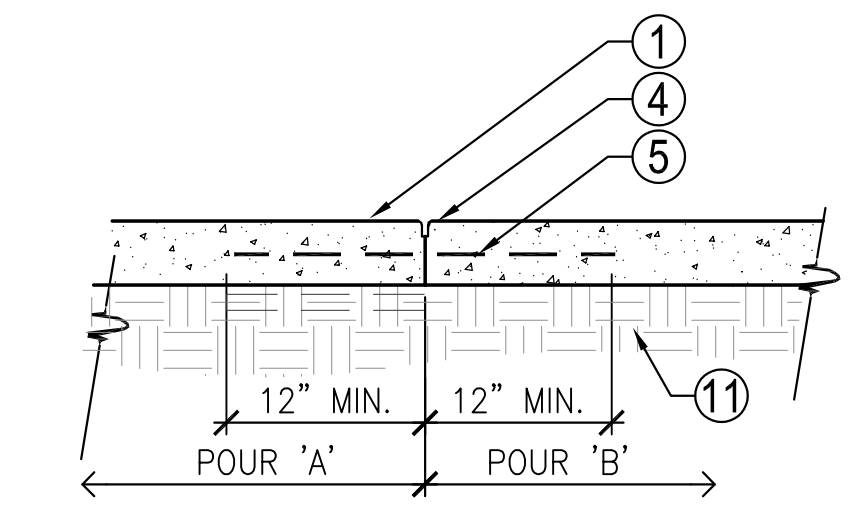
- A. CONCRETE PAVERS; REFER TO DETAIL 6, L601
- B. DECOMPOSED GRANITE; REFER TO DETAIL 1, L602
- C. RUBBERIZED PLAY SURFACE; REFER TO DETAIL 5, L602
- D. CONCRETE PAVING AT RAMP; REFER TO DETAIL 5, L621

**CONCRETE PAVING - PEDESTRIAN** P3

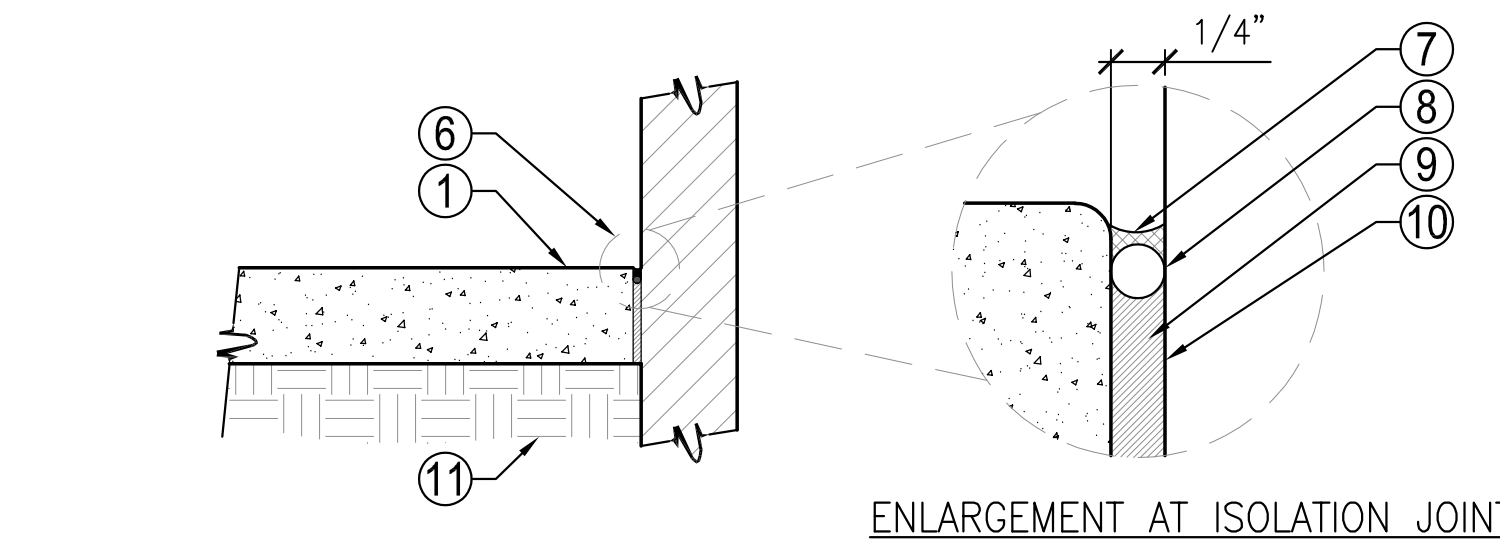
SCALE: 1-1/2" = 1'-0"



SCORED CONTRACTION JOINT - SAWCUT



DOWELED CONSTRUCTION JOINT - SAWCUT



ISOLATION JOINT @ VERTICAL SURFACE

**LEGEND:**

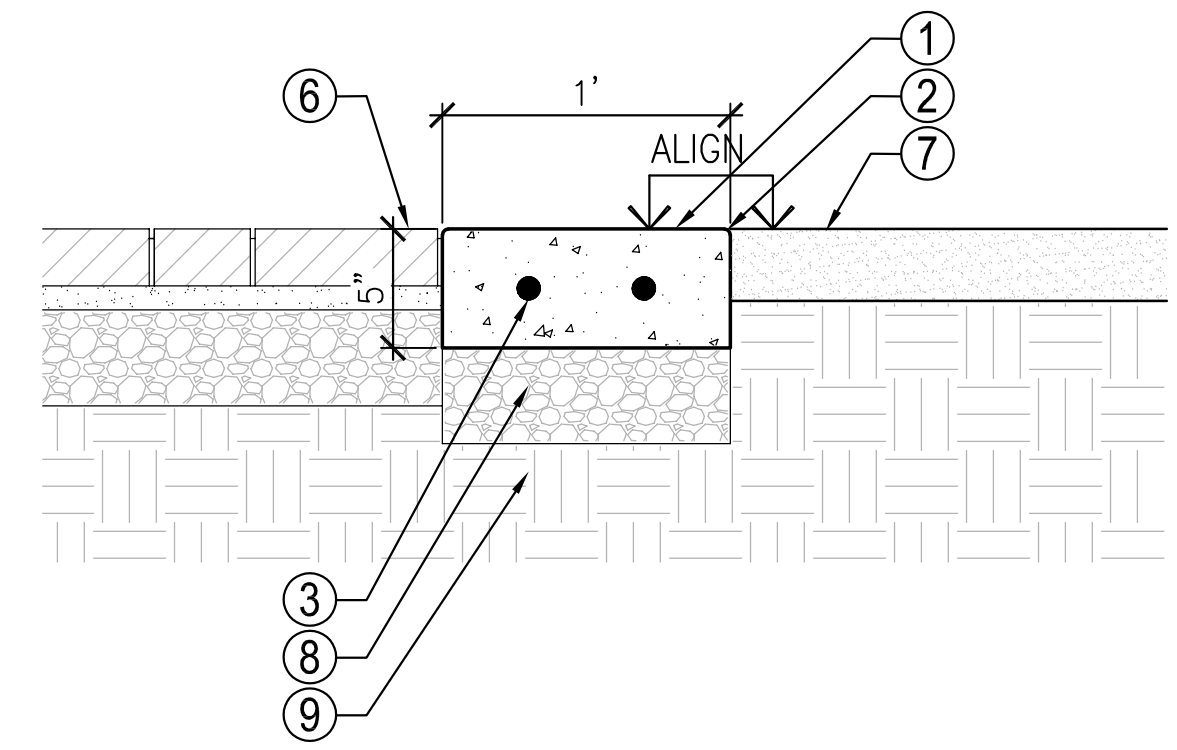
1. CONCRETE PAVING
2. 3/16" SAWCUT JOINT
3. DEPTH OF JOINT EQUAL TO 1/4 THICKNESS OF POUR PLUS 1/4"
4. 3/16" SAWCUT JOINT COLD JOINT. PROVIDE TIGHT 'CARPET EDGE' RADIUS ON EDGES BEFORE SAWCUTTING
5. #4 SMOOTH STEEL DOWEL WITH #4 'SPEED DOWEL' AT 18" O.C.
6. 1/4" THICK FIBER JOINT WITH JOINT CAP AND BACKER ROD (SEE ENLARGEMENT)
7. APPROVED JOINT SEALANT PER SPECIFICATIONS. COLOR TO MATCH ADJACENT CONCRETE PAVING
8. DOWELED CELL BACKER ROD
9. JOINT FILLER
10. VERTICAL SURFACE - WALL, BUILDING, COLUMN, STEPS, ETC
11. COMPACTED SUBBASE AND SUBGRADE, REFER TO DETAIL 1, L4.01

**NOTE:**

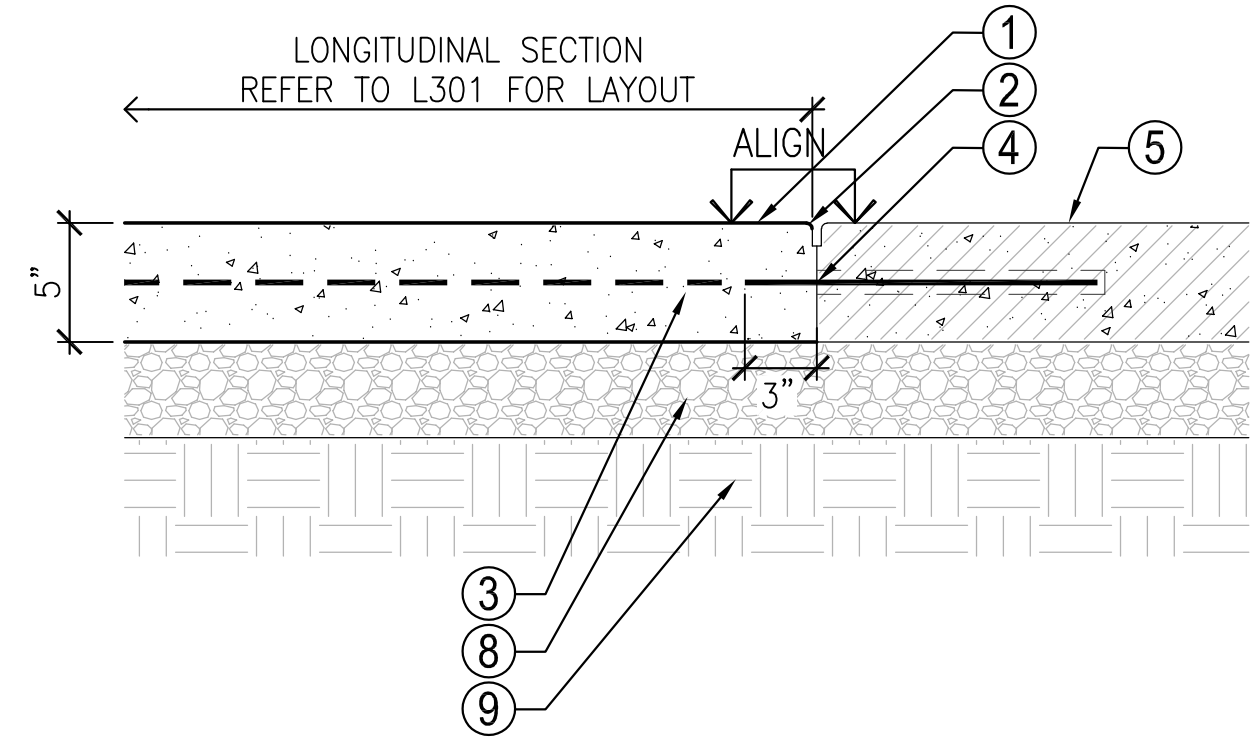
- A. PAVING JOINT LOCATIONS; REFER TO L1.00 SERIES, HARDSCAPE PLANS
- B. CONCRETE PAVING; REFER TO DETAIL 1, L4.01
- C. SUBMIT SAMPLE OF SEALANT TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION
- D. DOWELED CONSTRUCTION JOINT FOR USE AT SEPARATE CONCRETE POURS WHERE REINFORCEMENT IS NOT CONTINUOUS THROUGH JOINT

**PAVING JOINTS - TYPICAL**

SCALE: 1" = 1'-0"



SECTION - CONDITION 1  
 AT CONCRETE PAVERS AND DECOMPOSED GRANITE



SECTION - CONDITION 2  
 AT CONCRETE PAVING

**LEGEND**

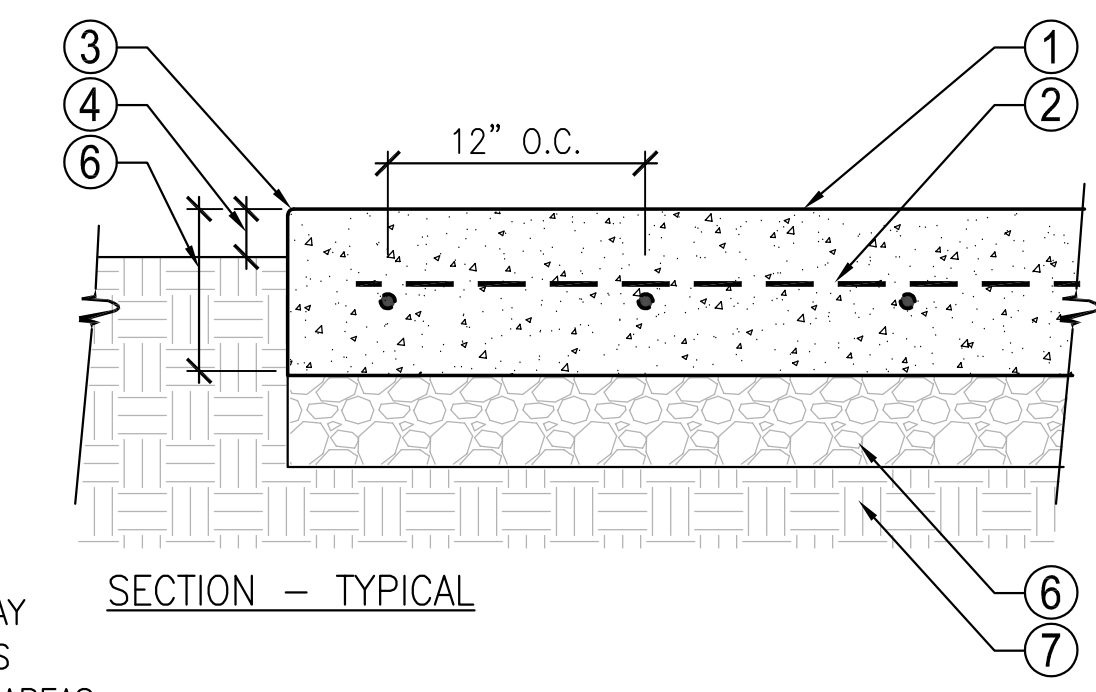
1. CONCRETE PAVING BAND
2. 1/4" RADIUS ALL EXPOSED EDGES
3. #4 REBAR CONTINUOUS
4. DOWELED CONSTRUCTION JOINT
5. FINISH SURFACE OF ADJACENT CONCRETE PAVING
6. FINISH SURFACE OF ADJACENT CONCRETE PAVERS
7. FINISH SURFACE OF ADJACENT DECOMPOSED GRANITE
8. 4" MINIMUM COMPACTED AGGREGATE BASE
9. COMPACTED SUBGRADE AND BASE TO BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT

**NOTES:**

- A. COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION SCHEDULE
  - B. JOINT LOCATIONS; REFER TO L301, CONSTRUCTION PLAN
  - C. HOLD REINFORCEMENT 3" CLEAR FROM EDGE OF PAVEMENT - TYPICAL
- COORDINATION**
- A. CONCRETE PAVING; REFER TO DETAIL 1, L601
  - B. CONCRETE PAVING JOINTS; REFER TO DETAIL 3, L601
  - C. CONCRETE PAVERS; REFER TO DETAIL 5, L601
  - D. DECOMPOSED GRANITE; REFER TO DETAIL 1, L602

**CONCRETE PAVING BAND**

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



**LEGEND**

1. CONCRETE PAVING
2. CONCRETE REINFORCEMENT  
-#4 REBAR @ 12" O.C. EACH WAY
3. 1/4" RADIUS ALL EXPOSED EDGES
4. FINISH GRADE - 2" AT PLANTER AREAS
5. REFER TO CIVIL ENGINEER'S PLANS FOR DEPTH AT VEHICULAR AREAS (6" OR GREATER).
6. COMPACTED CLASS 2 AGGREGATE BASE - VEHICULAR: REFER TO CIVIL ENGINEER'S PLANS (4" MIN. DEPTH)
7. COMPACTED SUBGRADE AT 95%

**NOTES:**

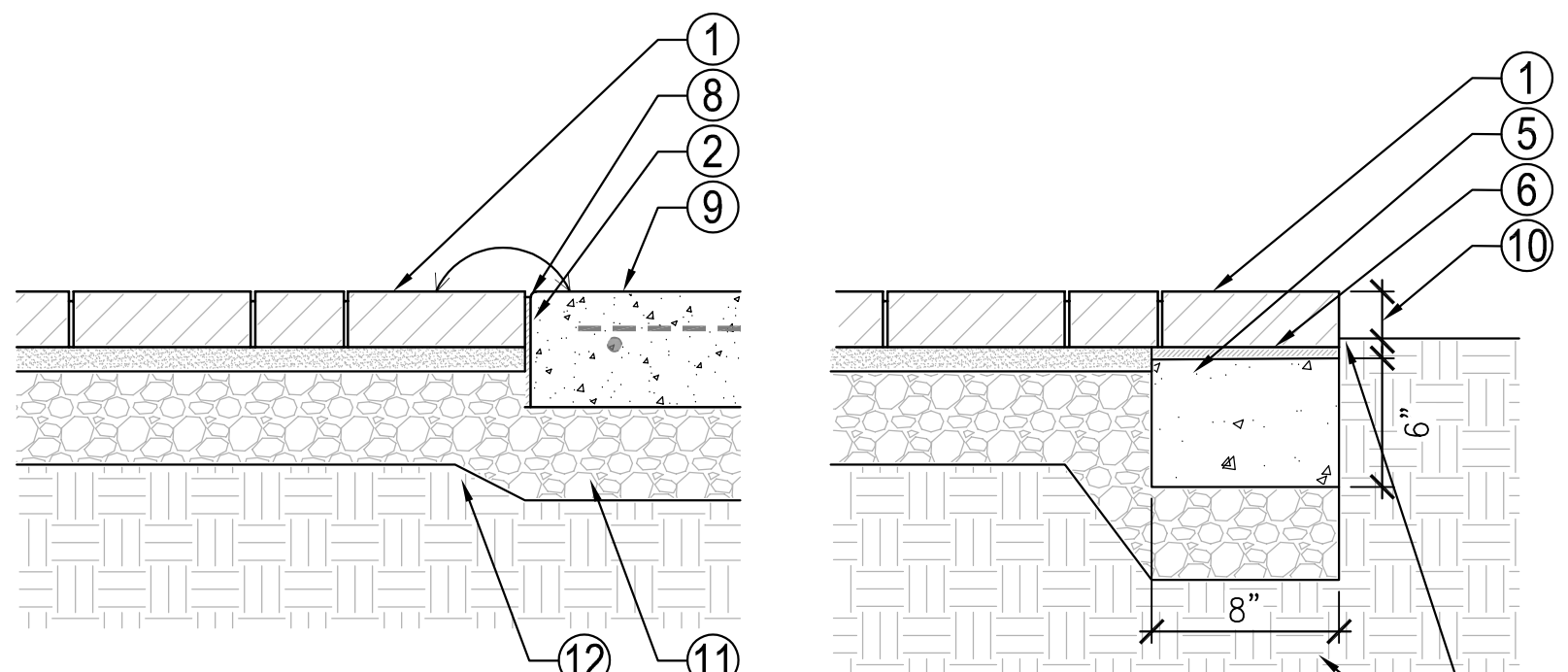
- A. COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION SCHEDULE
- B. REFER TO L300 SERIES FOR WALK WIDTH, JOINTING, AND ADJACENT CONDITIONS
- C. ALL WALKS TO HAVE 1% MIN. - 2% MAX. GROSS SLOPE
- D. ALL PAVING INTERSECTIONS TO BE 2% MAX IN ALL DIRECTIONS TO MEET ADA REQUIREMENTS
- E. CONCRETE PAVING JOINTS; REFER TO DETAIL 2
- F. HOLD REINFORCEMENT 3" CLEAR FROM EDGE OF PAVEMENT, SUPPORT REBAR WITH CHAIRS
- G. PAVING DEPTH, BASE PREPARATION, AND REINFORCEMENT SHOWN FOR BID PURPOSES ONLY. CONTRACTOR TO VERIFY AND COMPLY WITH GEOTECHNICAL REPORT

**COORDINATION**

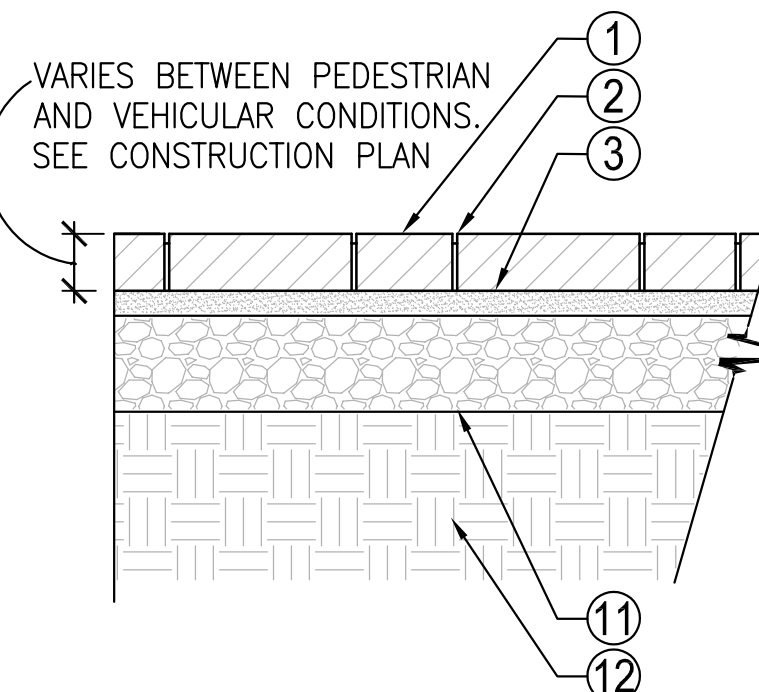
- A. CONCRETE PAVERS; REFER TO DETAIL 6, L601
- B. DECOMPOSED GRANITE; REFER TO DETAIL 1, L602
- C. RUBBERIZED PLAY SURFACE; REFER TO DETAIL 5, L602
- D. CONCRETE PAVING AT RAMP; REFER TO DETAIL 5, L621

**CONCRETE PAVING - VEHICULAR**

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



CONDITION 3:  
 CONCRETE PAVER AT CONCRETE PAVING



TYPICAL SECTION

**LEGEND**

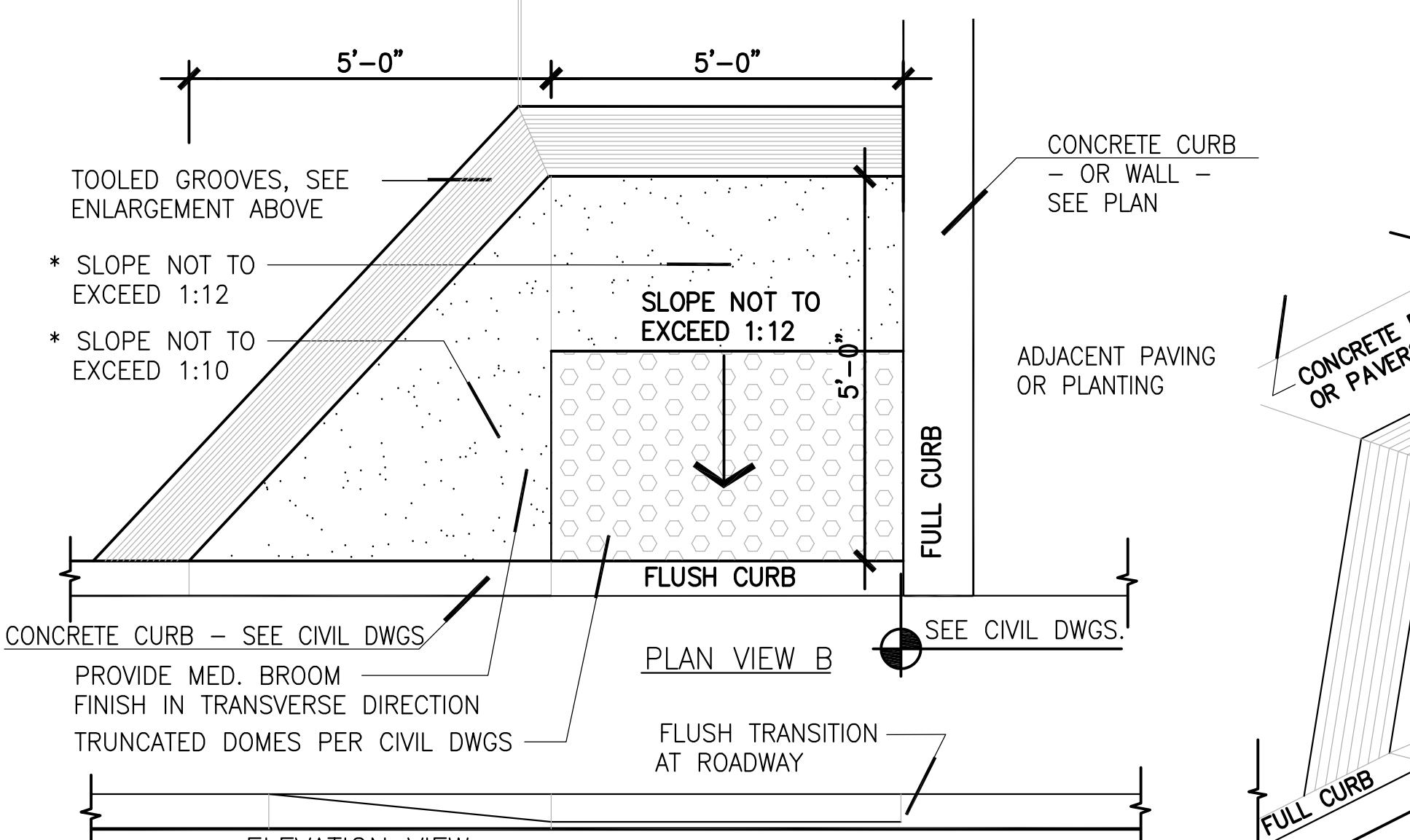
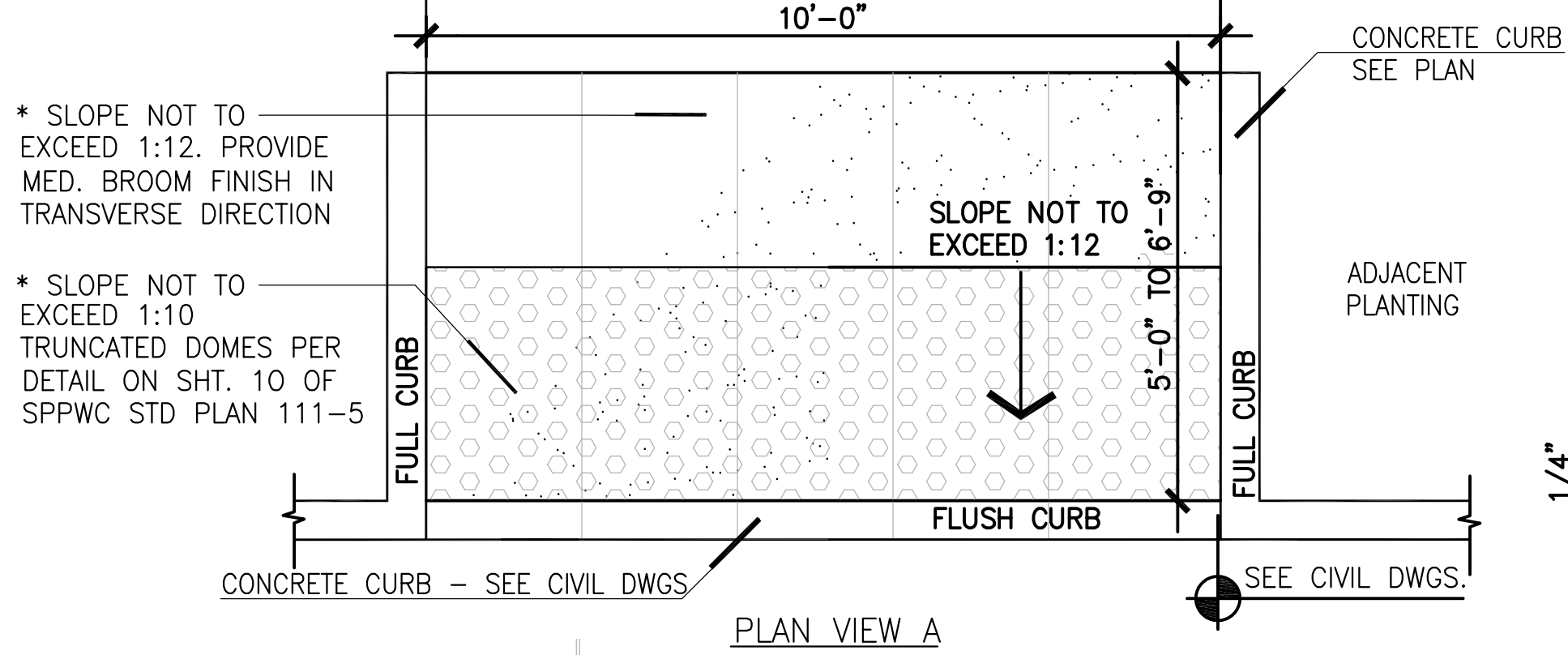
1. CONCRETE PAVERS WITH SAND SWEEP JOINTS
2. BUTT JOINT - SWEEP POLYMERIC SAND INTO OPENINGS. PROVIDE SEALANT AT CONDITIONS 2 AND 3 EDGE CONDITIONS
3. LEVELING BED - PEDESTRIAN - 1" SAND
4. FIXED VERTICAL SURFACE - BUILDING, WALL, STEP
5. CONCRETE FOOTING CONTINUOUS AT EDGE PAVER
6. MORTAR BASE OF PAVER TO CONCRETE FOOTING
7. STEEL EDGE RESTRAINT - PROVIDE AT CONDITION 1 EDGE
8. 1/4" TOOL RADIUS CONCRETE EDGE AT BUTT JOINT
9. ADJACENT CONCRETE PAVING FINISH SURFACE - ALIGN F.S. WITH PAVER F.S.
10. FINISH GRADE - 2" AT PLANTER AREAS, 3" AT COBBLE
11. BASE MATERIAL PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT MINIMUM 4" THICK; EXTEND BASE 2" MINIMUM BELOW ADJACENT CONCRETE PAVING (CONDITION 2)
12. COMPACTED SUBGRADE AND BASE TO BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT

**NOTES:**

- A. COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION SCHEDULE
- B. HOLD PAVING REINFORCEMENT 3" CLEAR OF ALL EDGES, TYP.
- C. REFER TO GEOTECHNICAL REPORT FOR ALL PAVING PREPARATION OF BASE AND SUBGRADE MATERIALS.
- D. SLIVERS WILL NOT BE ACCEPTED. MINIMUM 3/4 PAVER WIDTH TO BE USED. FULL PAVER WIDTHS TO BE USED AT EDGE CONDITIONS OF LINEAR PAVER FIELDS
- E. CONCRETE PAVING; REFER TO DETAIL 3, L601

**CONCRETE PAVERS**

SCALE: 1" = 1'-0"

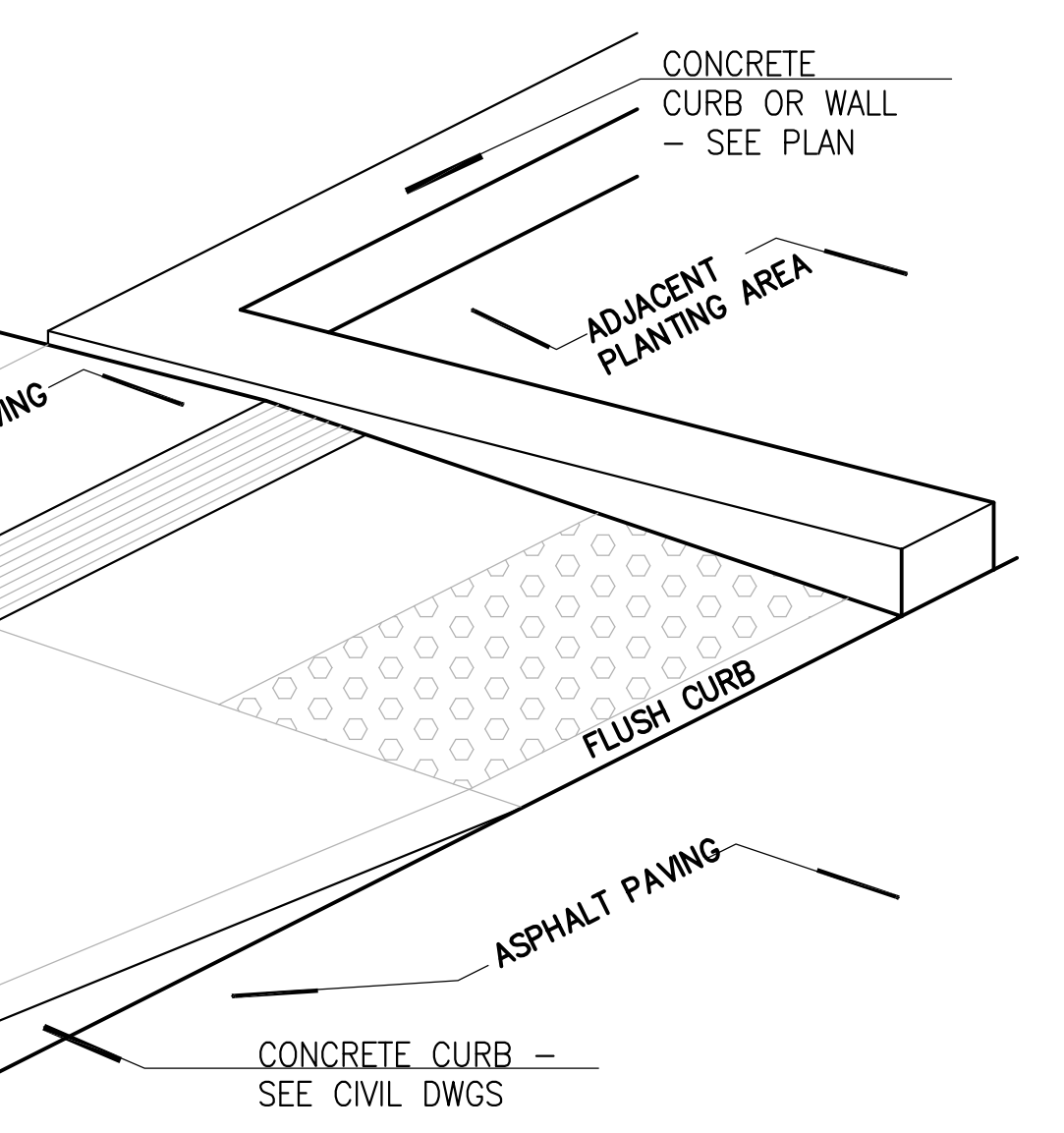
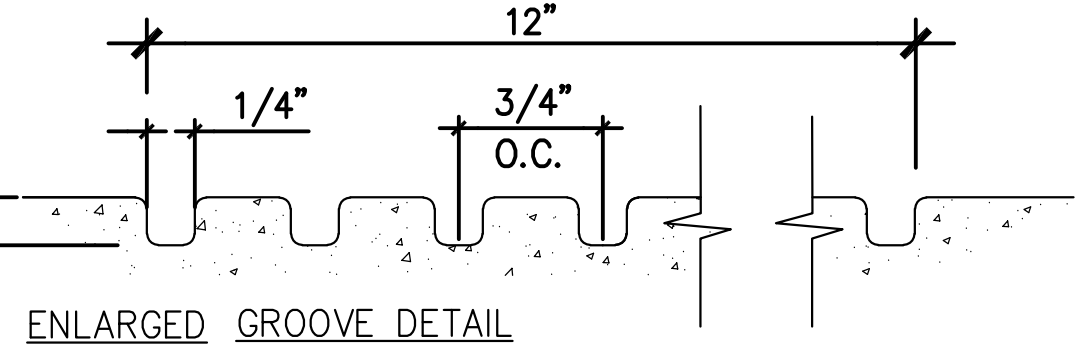


**CURB-CUT ACCESS RAMP**

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

**NOTES:**

- A. REFER TO PUBLIC WORKS STANDARDS FOR CORRECT DIMENSIONS FOR VARIATIONS OF STANDARD RAMP CONDITION. SHOWN HERE FOR DESIGN INTENT PURPOSES ONLY. REFER TO CIVIL DWG'S. FOR DETAILS, CURB RADIUS, COORDINATES AND ELEV'S.
- B. COLOR, FINISH, ETC. - REFER TO L300.
- C. CONTRACTOR TO COMPLY WITH GEOTECHNICAL REPORT

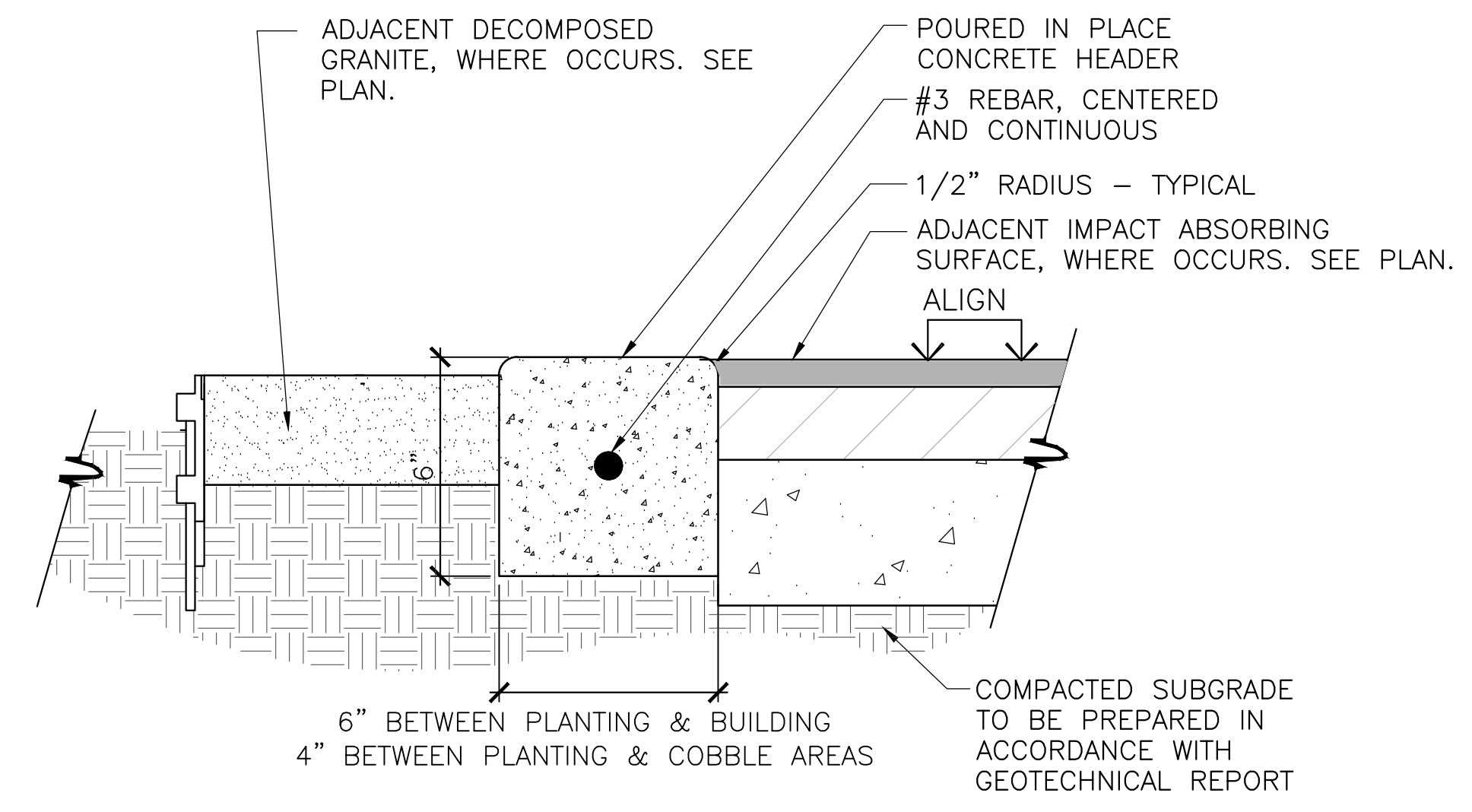


**ISOMETRIC N.T.S.**

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

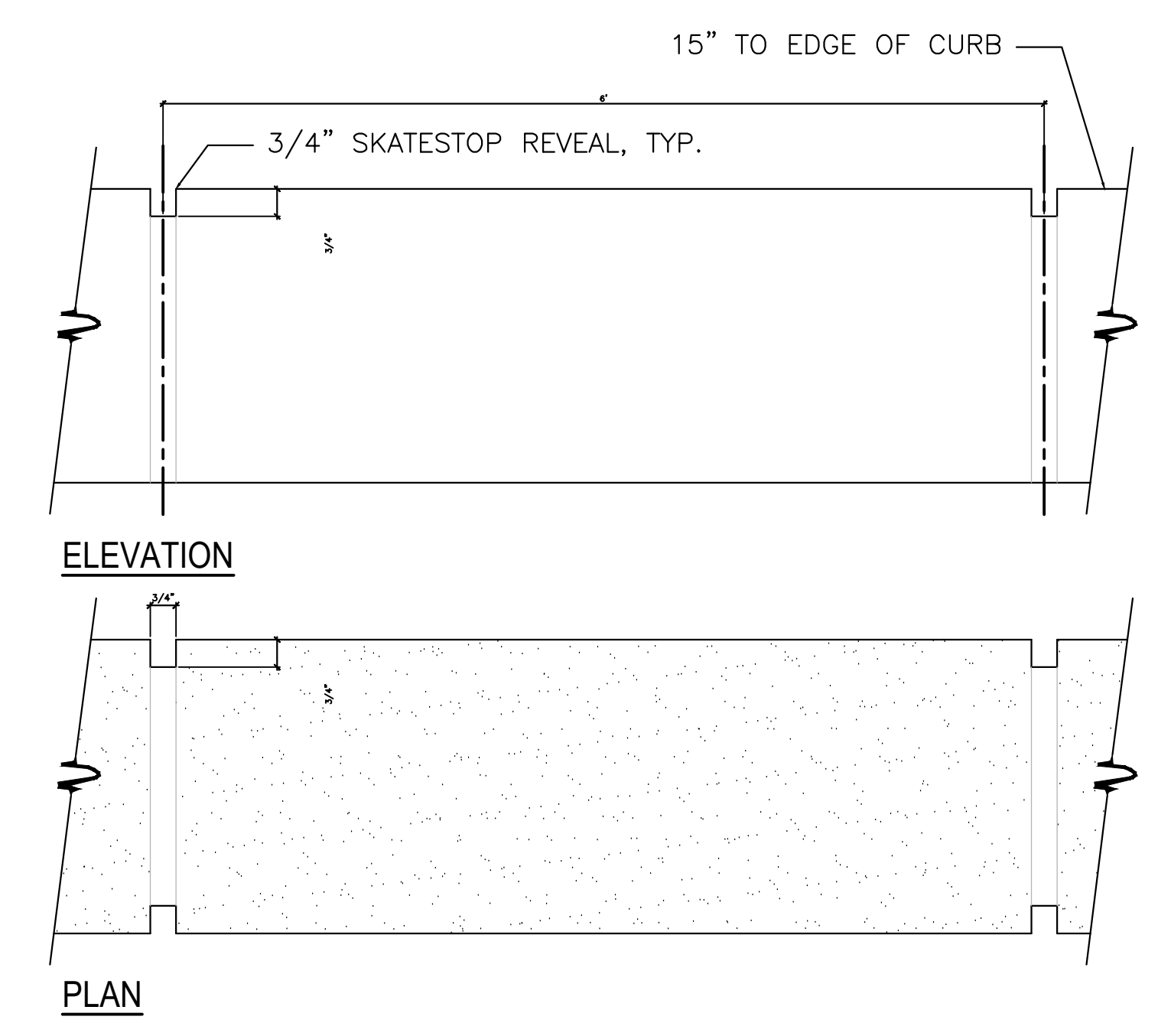
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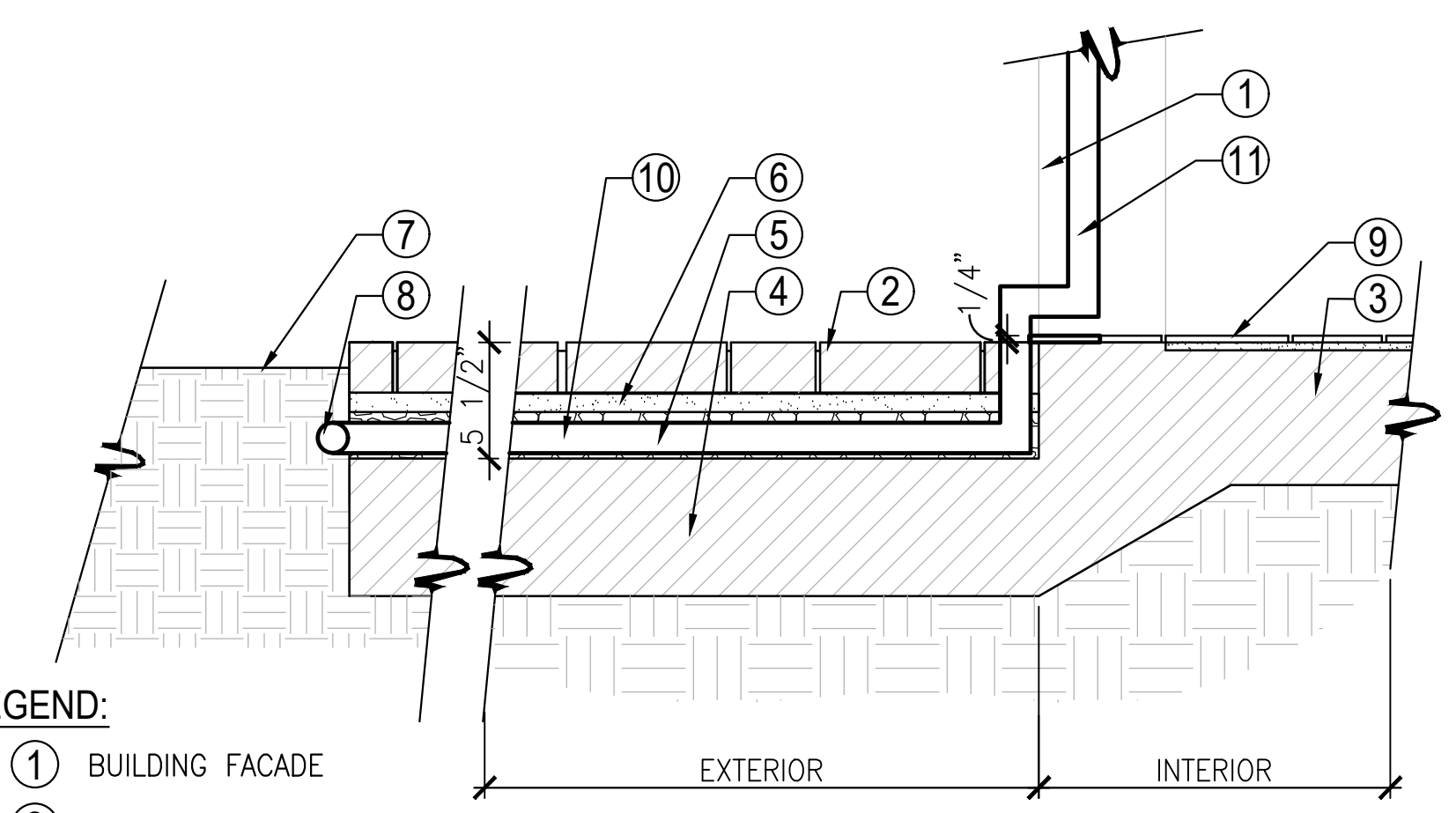
- NOTES:**
- REFER TO CONSTRUCTION SCHEDULE FOR COLOR, FINISH, ETC.
  - INSTALL 1" DEEP SCORED CONTRACTION JOINT AT 10' O.C. AND ISOLATION JOINTS AT 20' O.C. AND AT ALL CHANGES IN DIRECTION.
  - INSTALL ISOLATION JOINTS WHERE HEADER MEETS A VERTICAL SURFACE
  - EXTRUDED CONCRETE WILL NOT BE ACCEPTED

**CONCRETE HEADER [P20]** 7  
 SCALE: 3" = 1'-0" L602



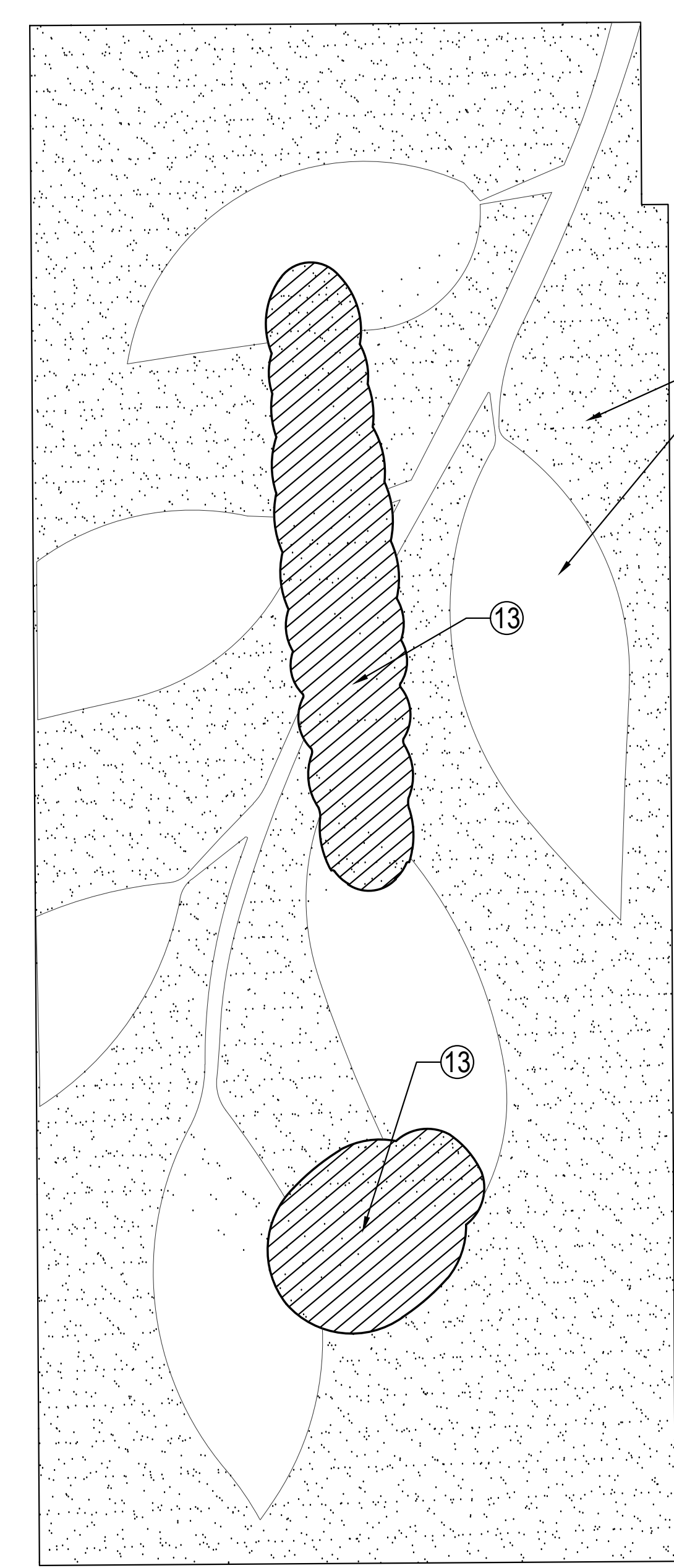
- NOTE:**
- CONTRACTOR TO SUBMIT SHOP DRAWING SHOWING VERTICAL AND PLAN VIEW OF SKATESTOP REVEAL LOCATIONS AT ALL CURBS TO LANDSCAPE ARCHITECT.
  - CONTRACTOR TO PROVIDE 3' CURB MOCK UP SHOWING COLOR, FINISH, EJ AND SKATESTOP REVEALS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT.

**SKATE STOP REVEAL** 8  
 SCALE: 1" = 1'-0" L602



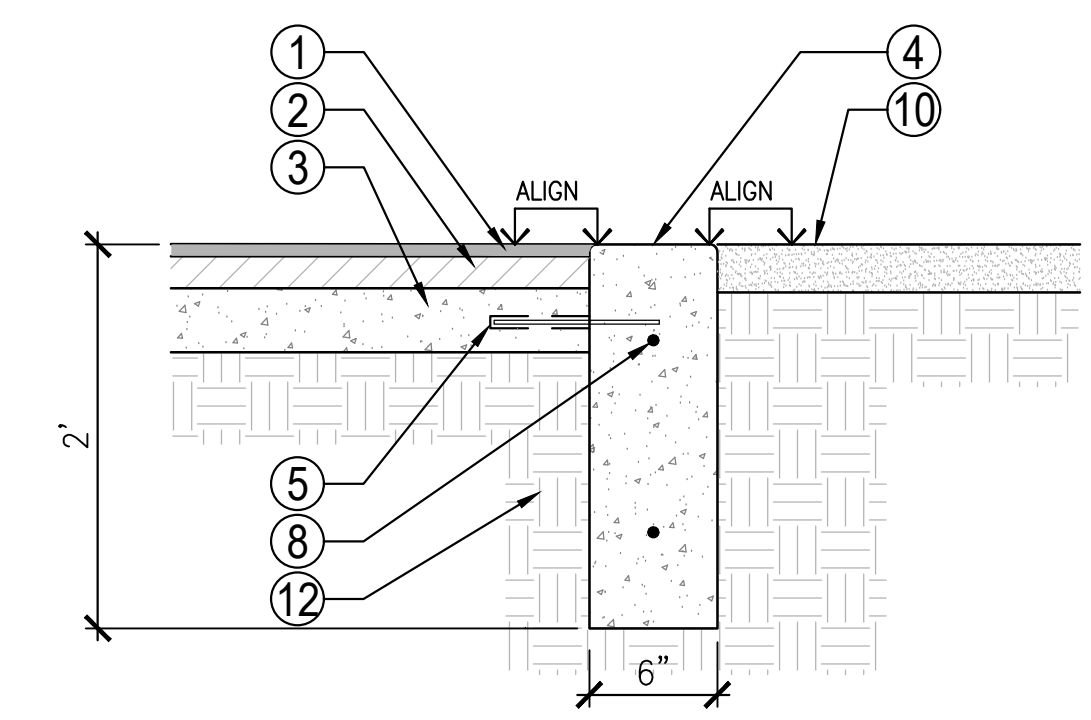
- LEGEND:**
- BUILDING FACADE
  - CONCRETE PAVERS WITH SANDSWEEP JOINTS
  - INTERIOR STRUCTURAL SLAB
  - EXTERIOR STRUCTURAL SLAB SLOPED TO DRAIN PER STRUCTURAL ENGINEER'S PLAN.
  - GRAVEL BASE
  - WASHED CONCRETE SAND LEVELING BED (1" MAX.)
  - ADJACENT FINISH GRADE
  - GAS LINE FROM METER
  - INTERIOR TILE PAVING - SEE ARCHITECTURAL DETAILS
  - GAS LINE BELOW PAVERS - SEE PLUMBING DRAWINGS
  - GAS LINE CONCEALED WITHIN STRUCTURE - SEE ARCHITECTURAL AND PLUMBING DWGS

**PAVER TRANSITION AT GAS CONNECTION** 9  
 SCALE: 1-1/2" = 1'-0" L602



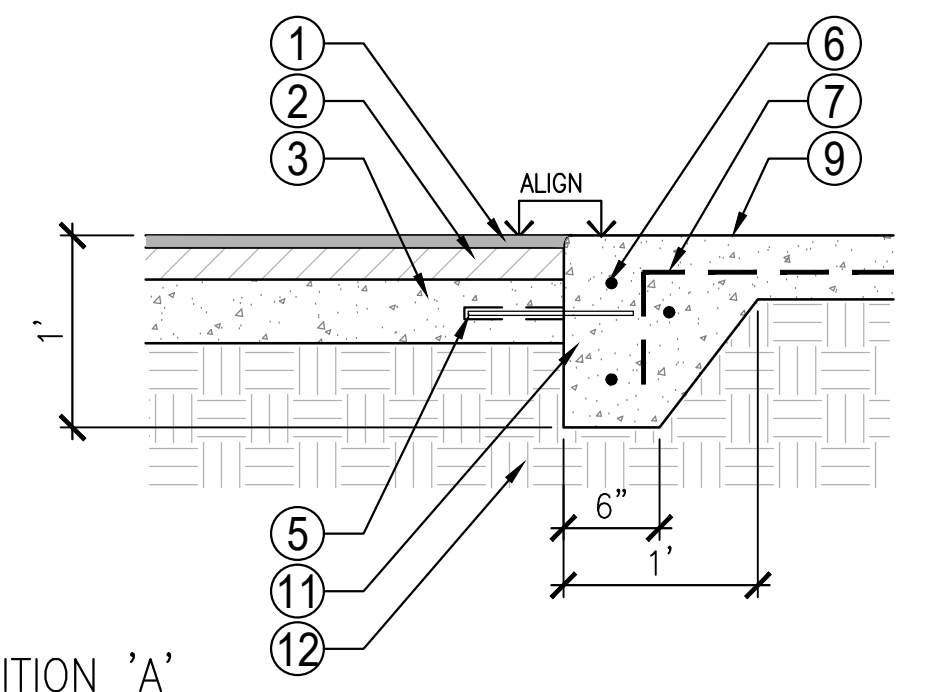
PLAN VIEW

**CONDITION 'B' AT DECOMPOSED GRANITE**



- LEGEND:**
- BROWN - FIELD
  - GREEN - LEAF PATTERN

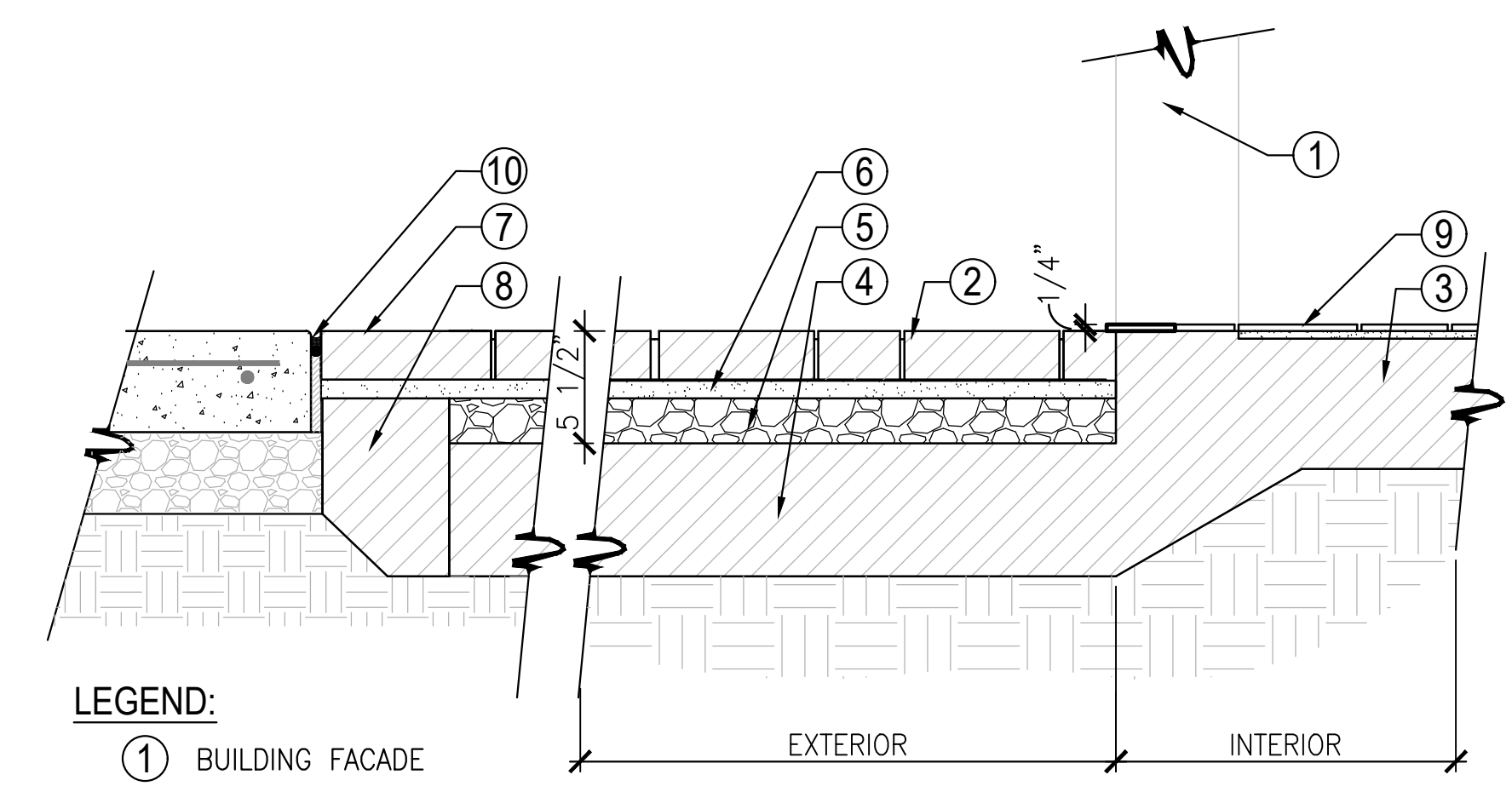
**CONDITION 'A' AT CONCRETE PAVING**



- LEGEND:**
- RUBBERIZED PLAY SURFACE; ALIGN FLUSH WITH ADJACENT FINISH SURFACE
  - PLAY SURFACING COURSE
  - CONCRETE BASE
  - CONCRETE CURB, 1/2" RADIUS EXPOSED EDGES
  - #3 SLIP DOWEL AT 24" O.C.
  - #3 HORIZONTAL REBAR, CONTINUOUS
  - #3 REBAR AT 18" O.C.; BEND AS SHOWN
  - #3 REBAR CENTERED IN CURB, CONTINUOUS
  - FINISH SURFACE OF ADJACENT CONCRETE PAVING, WHERE OCCURS
  - FINISH SURFACE OF ADJACENT DECOMPOSED GRANITE, WHERE OCCURS
  - THICKENED EDGE OF CONCRETE PAVING
  - COMPACTED SUBGRADE TO BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT
  - CLIMBING PLAY STRUCTURE

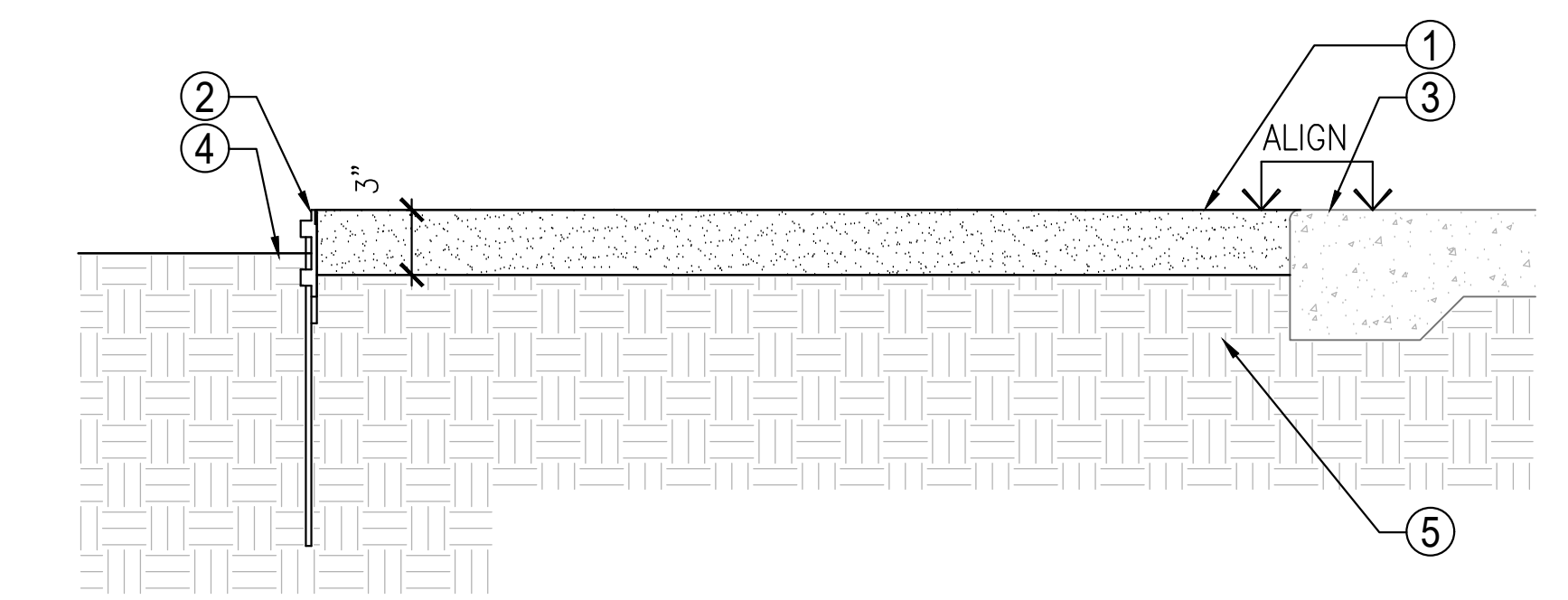
- NOTE:**
- COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION SCHEDULE
  - COLORS TO BE SELECTED BY LANDSCAPE ARCHITECT. LANDSCAPE ARCHITECT SHALL FIELD VERIFY DESIGN LAYOUT PRIOR TO FINAL INSTALLATION
  - PLAY SURFACING COURSE - THICKNESS PER MANUFACTURER'S SPECIFICATIONS. DIAGRAM TO BE PROVIDED TO LANDSCAPE ARCHITECT SHOWING BASE COURSE THICKNESS PRIOR TO INSTALLATION
- COORDINATION:**
- CONCRETE PAVING; REFER TO DETAIL 1, L601
  - CONCRETE PAVERS; REFER TO DETAIL 8, L601
  - DECOMPOSED GRANITE; REFER TO DETAIL 1, L602

**RUBBERIZED PLAY SURFACING [P8]** 5  
 SCALE: 1" = 1'-0" L602



- LEGEND:**
- BUILDING FACADE
  - CONCRETE PAVERS WITH SANDSWEEP JOINTS
  - INTERIOR STRUCTURAL SLAB
  - EXTERIOR STRUCTURAL SLAB SLOPED TO DRAIN PER STRUCTURAL ENGINEER'S PLAN.
  - GRAVEL BASE
  - WASHED CONCRETE SAND LEVELING BED (1" MAX.)
  - ADJACENT PAVING
  - THICKENED CONCRETE EDGE - OCCURS WHERE PAVERS EXTEND BEYOND STRUCTURAL SLAB
  - INTERIOR TILE PAVING - SEE ARCHITECTURAL DETAILS
  - ISOLATION JOINT

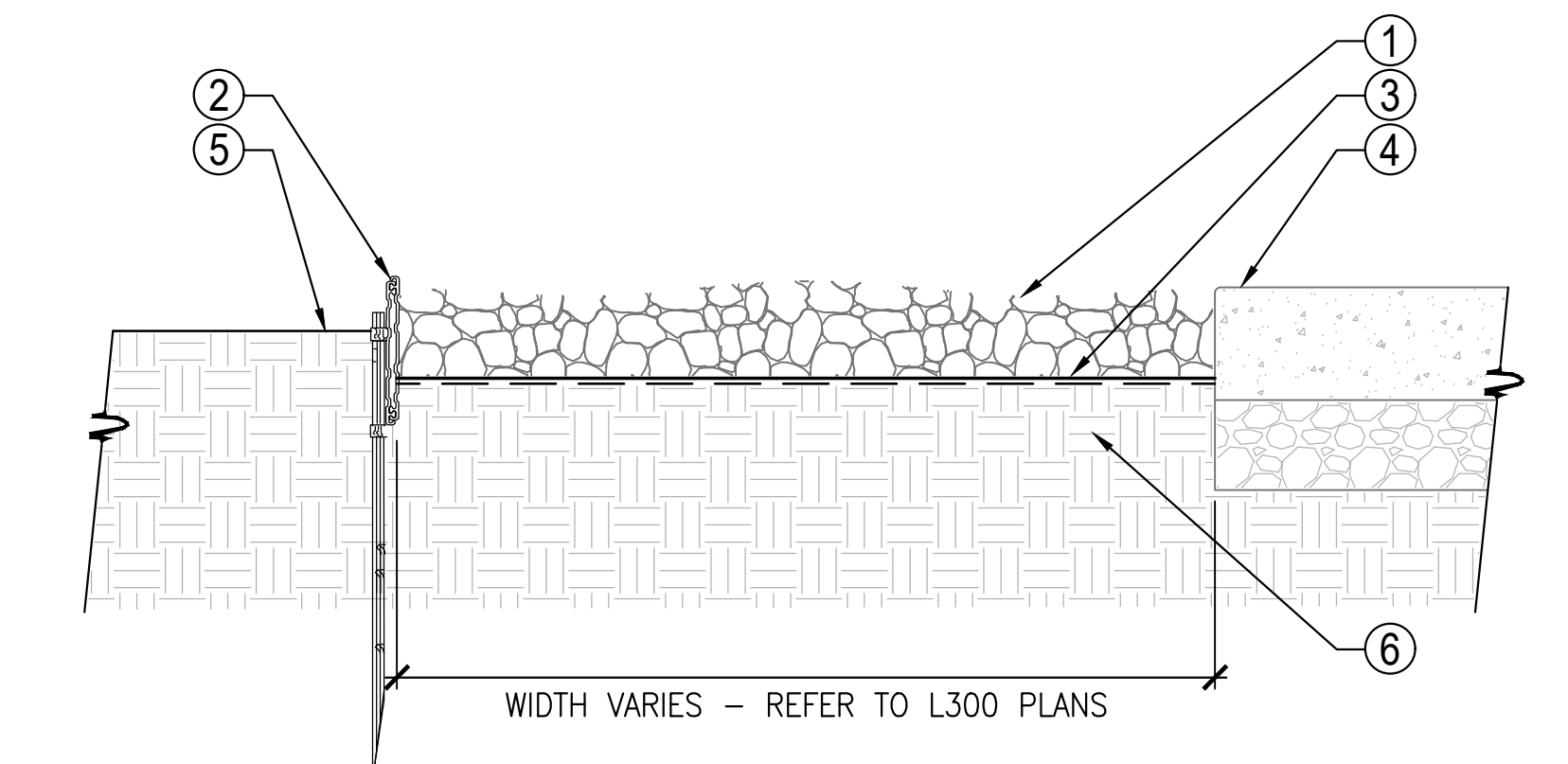
**PAVER TRANSITION AT BUILDING** 6  
 SCALE: 1-1/2" = 1'-0" L602



- LEGEND:**
- DECOMPOSED GRANITE PAVING - TO SETTLE FLUSH WITH ADJACENT PAVING
  - METAL EDGING, FLUSH WITH DECOMPOSED GRANITE, NO GREATER THAN 1/4" ABOVE FINISH SURFACE
  - FINISH SURFACE OF ADJACENT PAVING, WHERE OCCURS
  - FINISH GRADE OF ADJACENT PLANTING AREA, WHERE OCCURS
  - COMPACTED SUBGRADE AT 95%

- NOTES:**
- COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION SCHEDULE
  - ALL DECOMPOSED GRANITE PAVING TO HAVE 1% MIN. - 2% MAX. CROSS SLOPE
  - INSTALL IN 3" LIPS W/ 95% COMPACTION AT EACH LIFT WITH PLATE COMPACTOR, WET DOWN AS NECESSARY
  - COMPACT WITH ORGANIC LOCK STABILIZER BY ENVIROBOND, OR APPROVED EQUAL. INSTALL BINDER RATIO @ MANF. SPEC. BINDER ADDED WITHIN 5" RADIUS OF EACH TREE
  - REFER TO L300 SERIES FOR EDGE CONDITION; PLANTING OR PAVING
  - PAVING DEPTH AND BASE PREPARATION SHOWN FOR BID PURPOSES ONLY. CONTRACTOR TO VERIFY AND COMPLY WITH GEOTECHNICAL REPORT
- COORDINATION:**
- CONCRETE PAVING; REFER TO DETAIL 1, L601
  - CONCRETE PAVERS; REFER TO DETAIL 8, L601

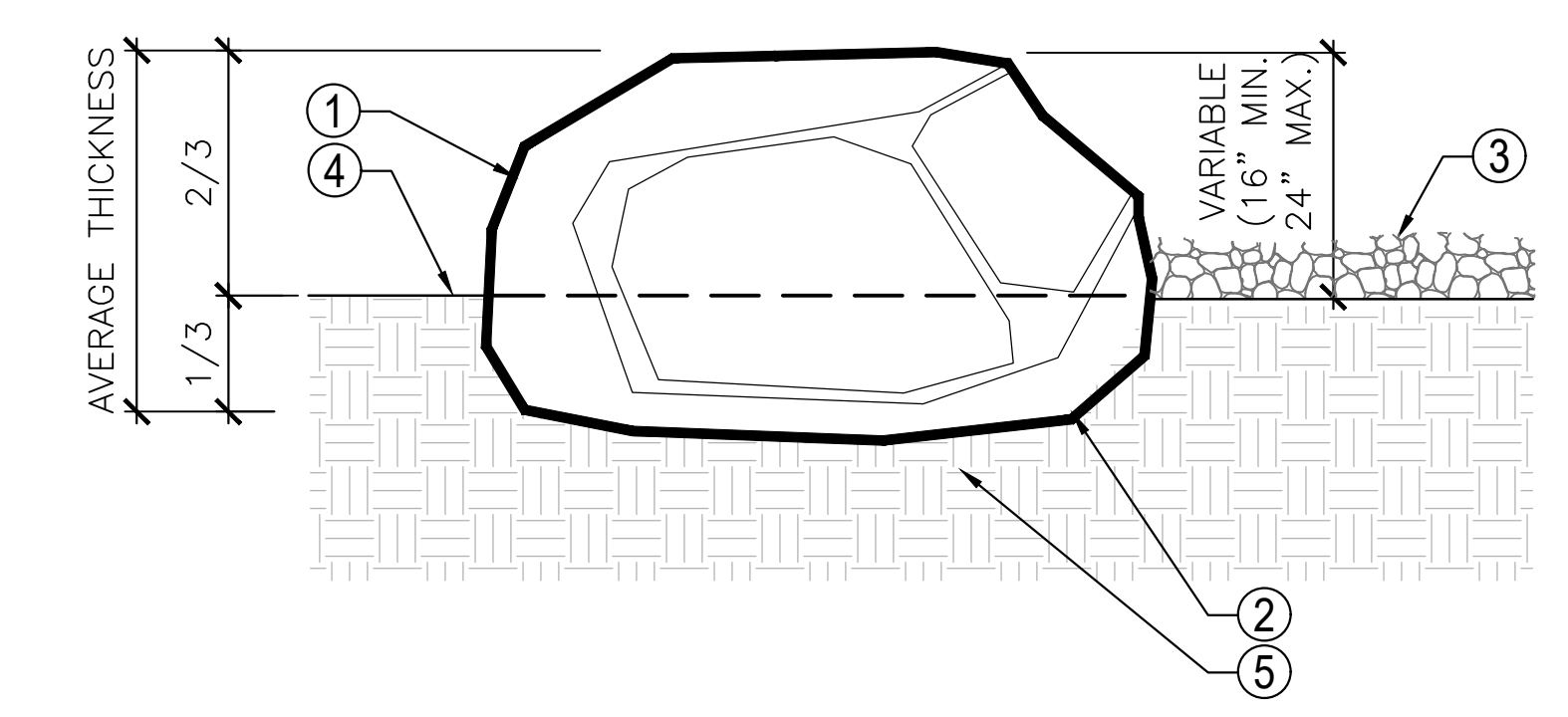
**DECOMPOSED GRANITE [P9]** 1  
 SCALE: 1-1/2" = 1'-0" L602



- LEGEND:**
- DECORATIVE GRAVEL
  - EDGE RESTRAINT; AS REQUIRED
  - GEOTEXTILE WEED BARRIER
  - FINISH SURFACE OF ADJACENT PAVING
  - FINISH GRADE OF ADJACENT PLANTING AREA
  - COMPACTED SUBGRADE AND SUBBASE AT 95%

- NOTES:**
- SIZE COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION SCHEDULE
  - INSTALL STEEL EDGING PER MANUFACTURER SPECIFICATIONS AND RECOMMENDATIONS
- COORDINATION:**
- CONCRETE PAVING; REFER TO DETAIL 1, L601

**DECORATIVE GRAVEL [P21]** 2  
 SCALE: 1-1/2" = 1'-0" L602



- LEGEND:**
- NATURAL BOULDER - BURY 1/3 OF AVERAGE THICKNESS BELOW GRADE. FINAL PLACEMENT TO BE DIRECTED IN THE FIELD BY LANDSCAPE ARCHITECT
  - PLACE SCARRED AND/OR DAMAGE FACE DOWN
  - ADJACENT DECORATIVE GRAVEL, WHERE OCCURS
  - ADJACENT FINISH GRADE OF PLANTING AREA
  - SUBGRADE COMPACTED AT 90%

- NOTE:**
- COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION SCHEDULE
  - ANY BOULDERS DAMAGED, SCARRED, OR MISHANDLED DURING TRANSPORTATION OR UNLOADING ARE SUBJECT TO REJECTION AND REPLACEMENT.

**DECORATIVE BOULDER [P23]** 3  
 SCALE: 1" = 1'-0" L602



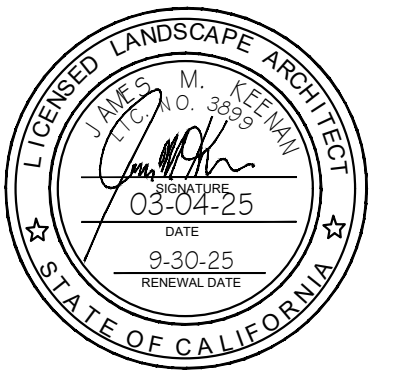
**Anil Verma Associates, Inc.**  
 1000 S. OCEAN BLVD., SUITE 200, GOLETA, CA 93040  
 TEL: (805) 964-8888 FAX: (805) 964-1888  
 WWW.ANILVERMA.COM

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DATE	REVISION
03/04/2024	ISSUE FOR BID

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE 6, GOLETA, CA 93117

CONSTRUCTION DETAILS



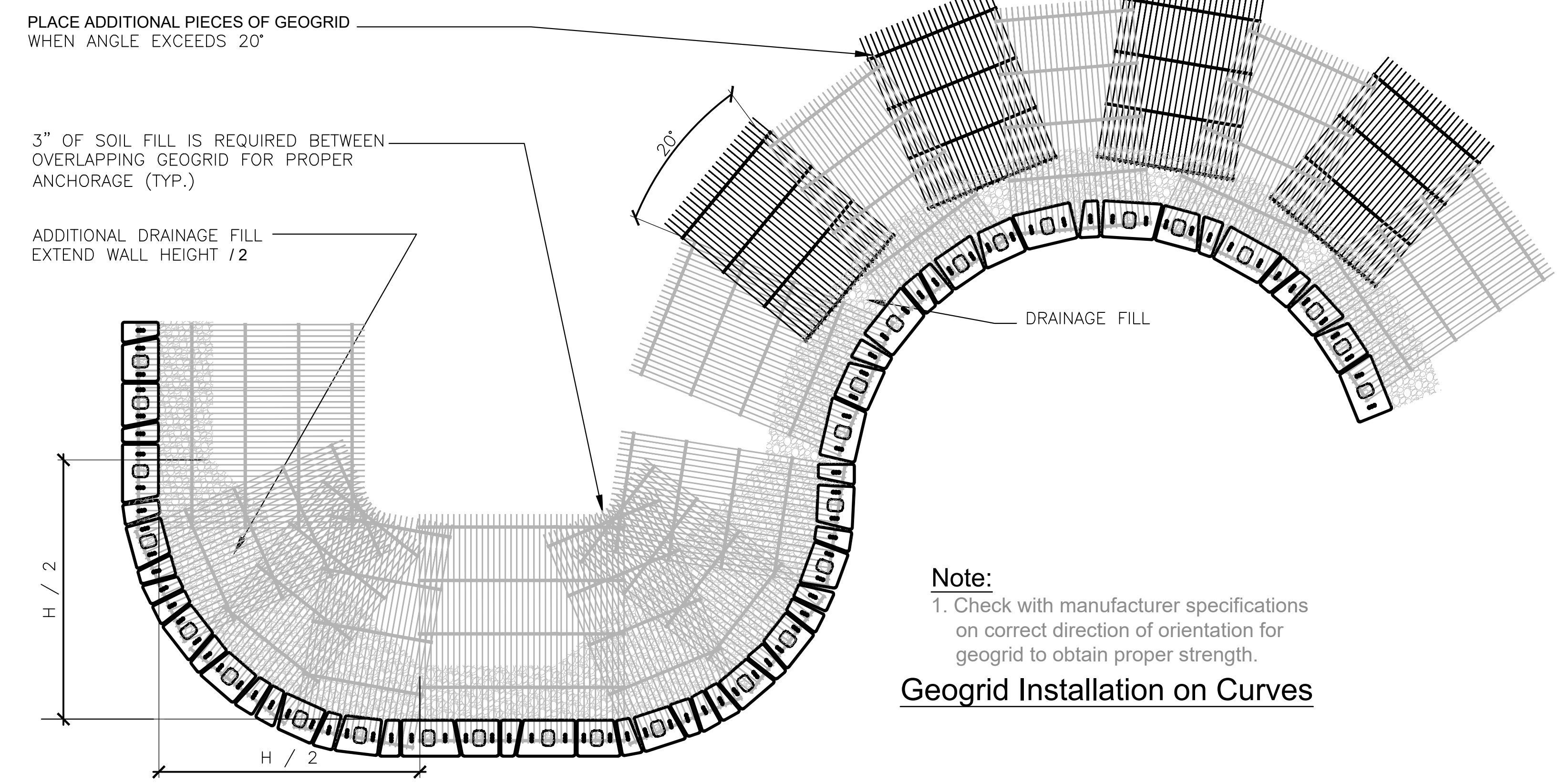
PLAN CHECK #CIP-9079  
**L602**  
 2019-GTD  
 VARIES  
 IFB SUBMITTAL  
 ISSUED AS 03/04/2024  
 SHEET 039 OF 235

INVITATION FOR BID 03-04-2024







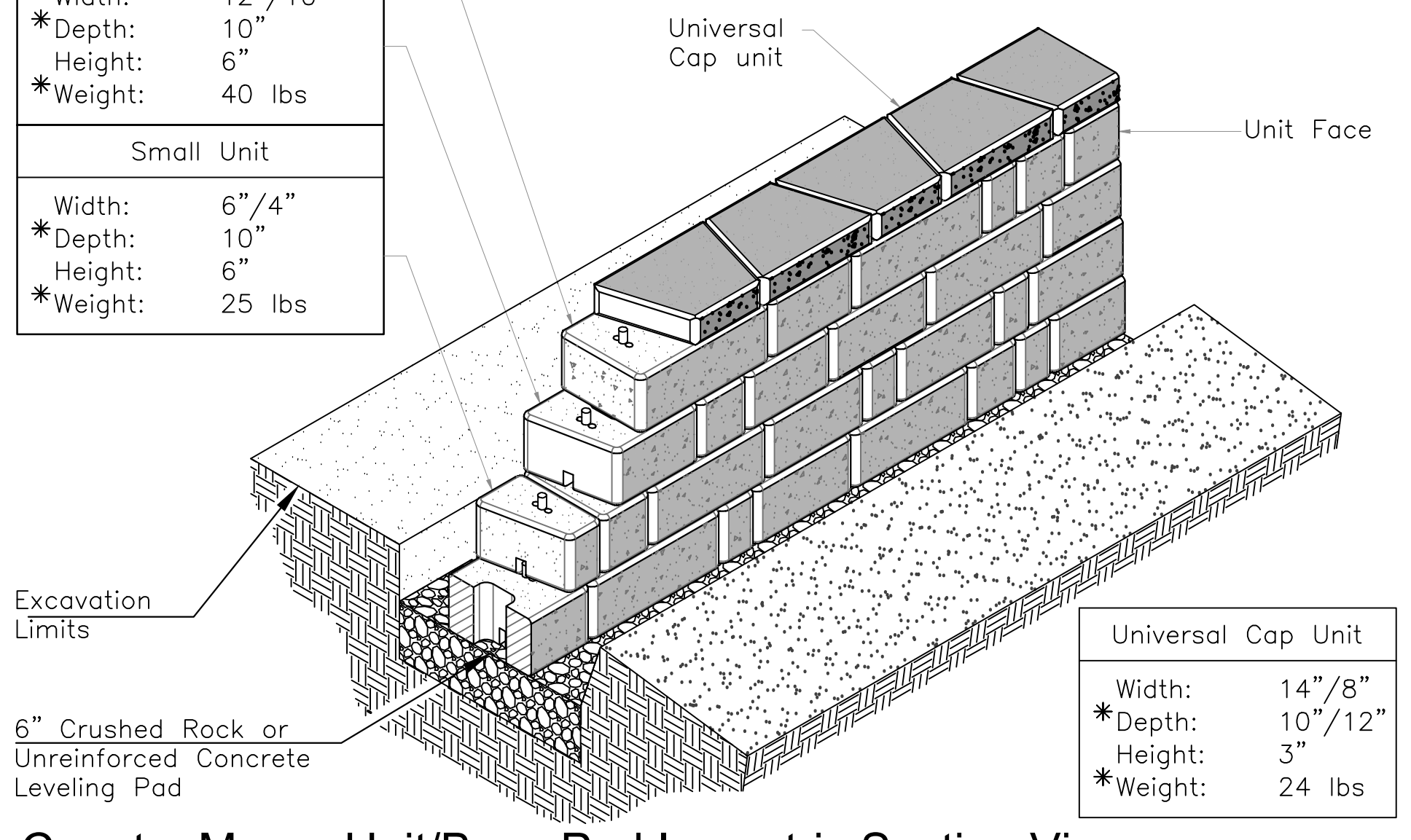


**Note:**  
 1. Check with manufacturer specifications on correct direction of orientation for geogrid to obtain proper strength.

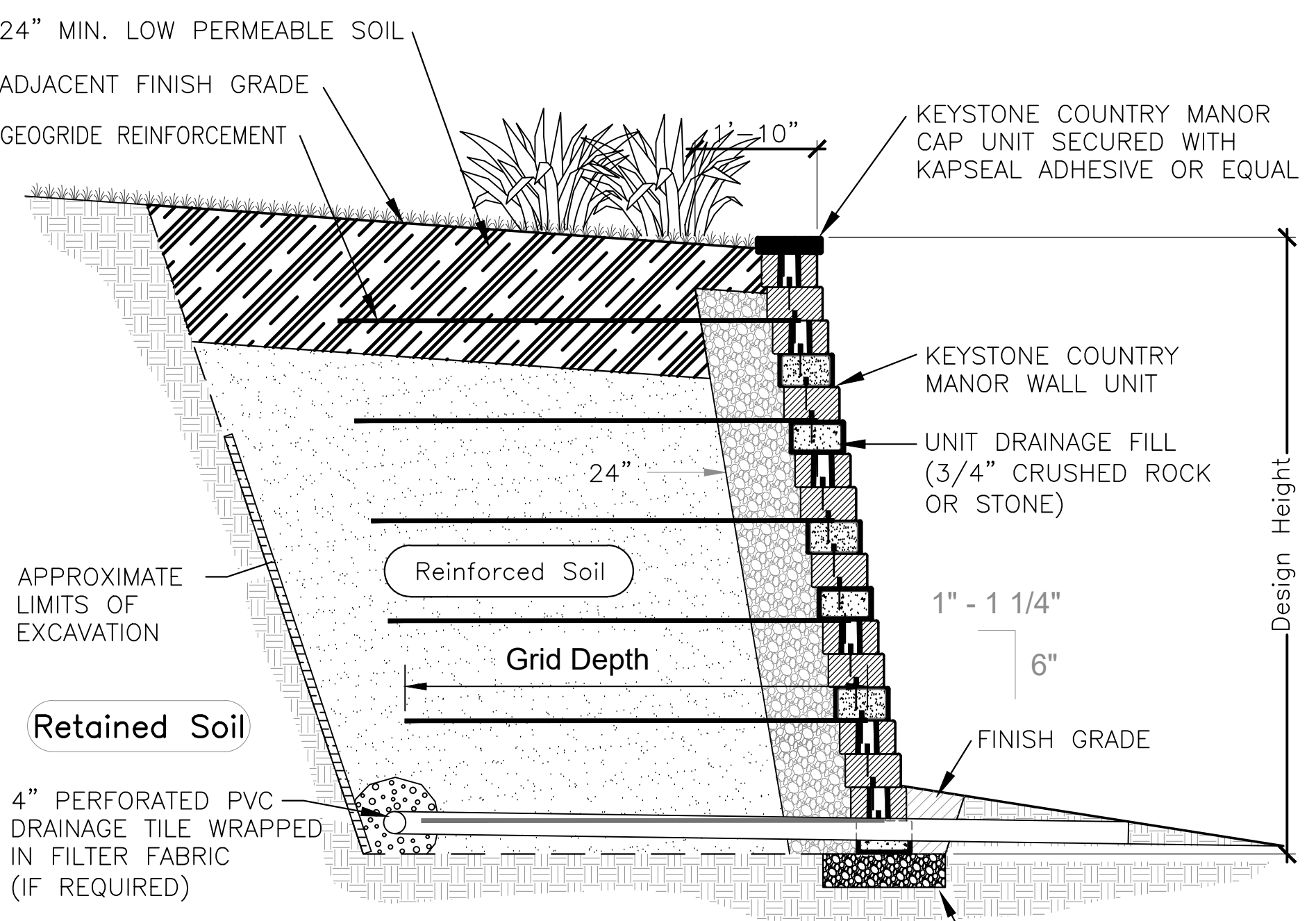
**Geogrid Installation on Curves**

**Base Leveling Pad Notes:**  
 1. The leveling pad is to be constructed of crushed stone or 2,000 psi± unreinforced concrete.  
 2. The base foundation is to be approved by the site geotechnical engineer prior to placement of the leveling pad.

Large Unit	
Width:	16" / 14"
*Depth:	10"
Height:	6"
*Weight:	60 lbs
Medium Unit	
Width:	12" / 10"
*Depth:	10"
Height:	6"
*Weight:	40 lbs
Small Unit	
Width:	6" / 4"
*Depth:	10"
Height:	6"
*Weight:	25 lbs

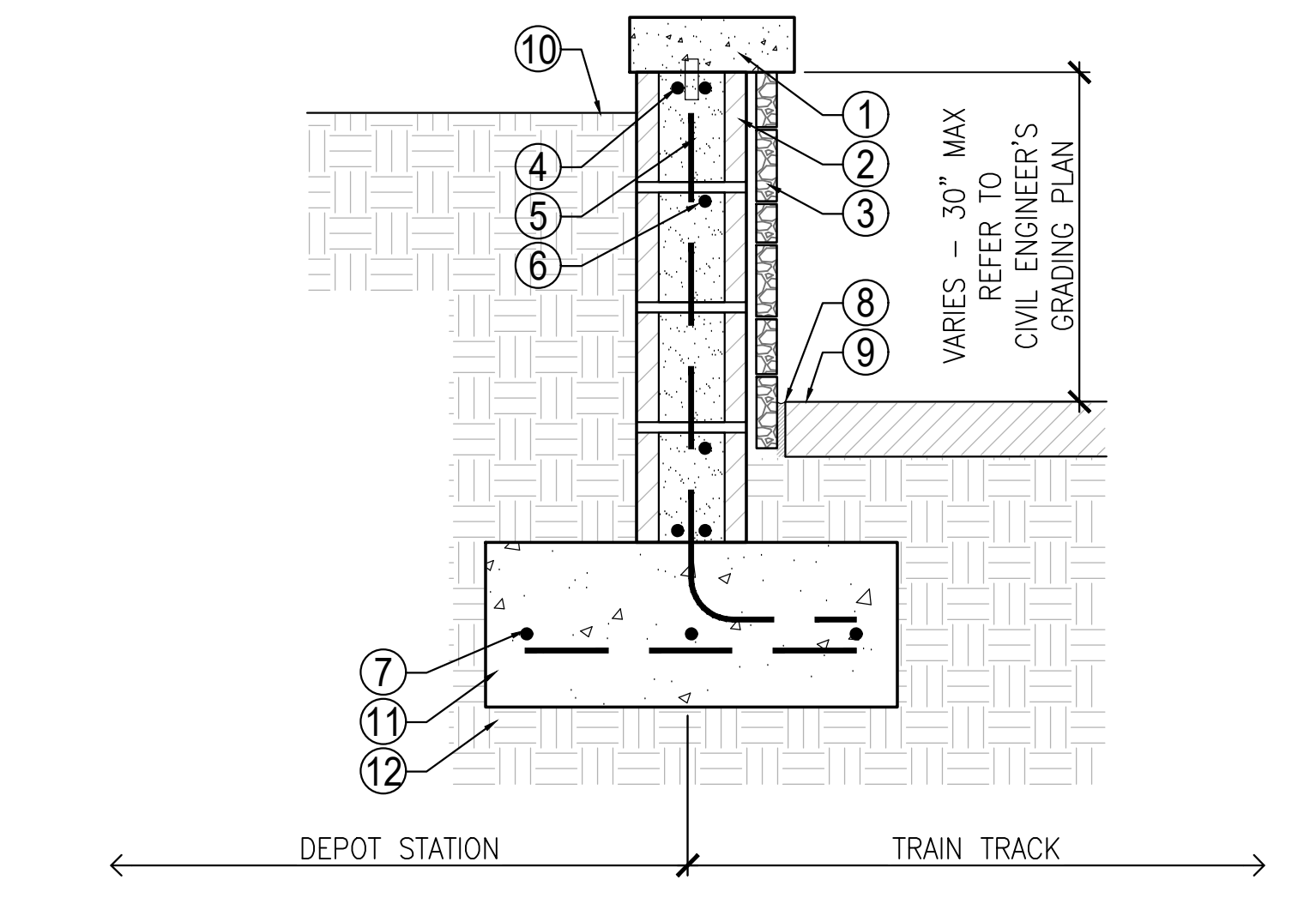


**Country Manor Unit/Base Pad Isometric Section View**

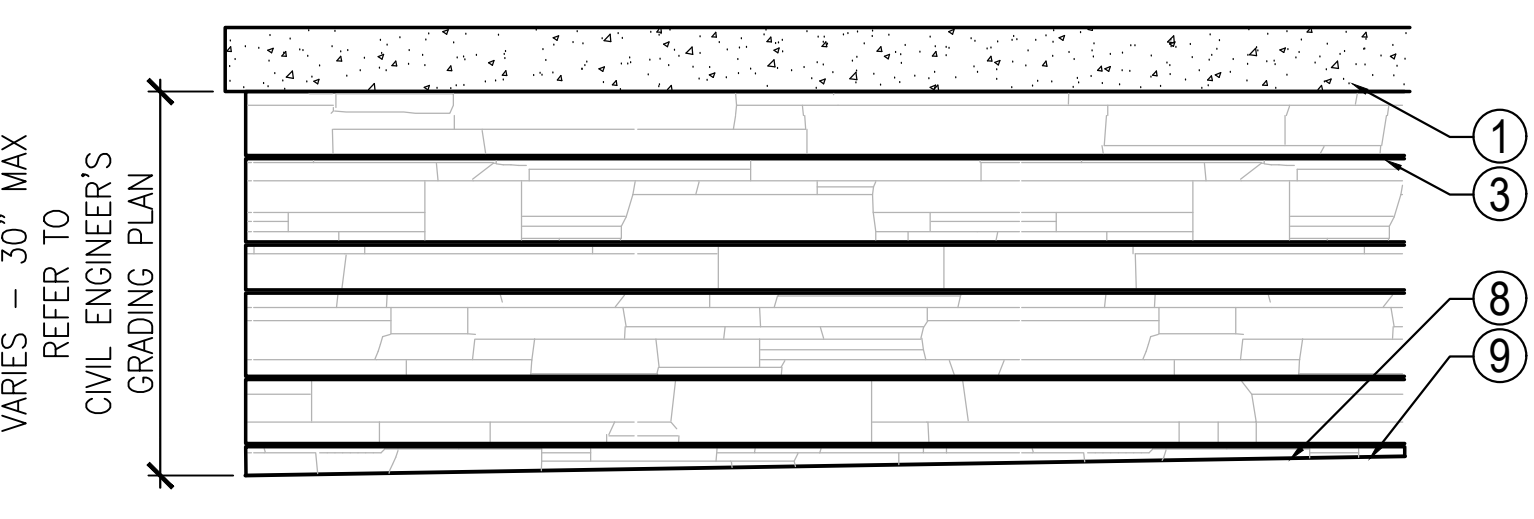


**Note:**  
 When site conditions require, wrap drainage tile in 3/4" aggregate and filter fabric with drainage composite or aggregate back drain system, as directed by geotechnical engineer.

**TYPICAL REINFORCED WALL SECTION**



**SECTION**



**ELEVATION**

- LEGEND**
1. PRE-CAST CONCRETE; SECURE TO CMU WALL WITH SS PINS
  2. 8"x8"x16" CMU BLOCK. GROUT ALL CELLS SOLID
  3. STONE CLADDING
  4. 2-#5 REBAR CONTINUOUS T&B
  5. #5 REBAR @ 18" O.C., BEND WALL REBAR INTO FOOTING
  6. #5 REBAR CONTINUOUS AT 24" O.C.
  7. 4-#5 REBAR EACH WAY
  8. ISOLATION JOINT AT CONCRETE
  9. FINISH SURFACE OF ADJACENT PAVING
  10. FINISH GRADE OF PLANTING AREA
  11. CONCRETE FOOTING
  12. COMPACTED SUBGRADE TO BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT

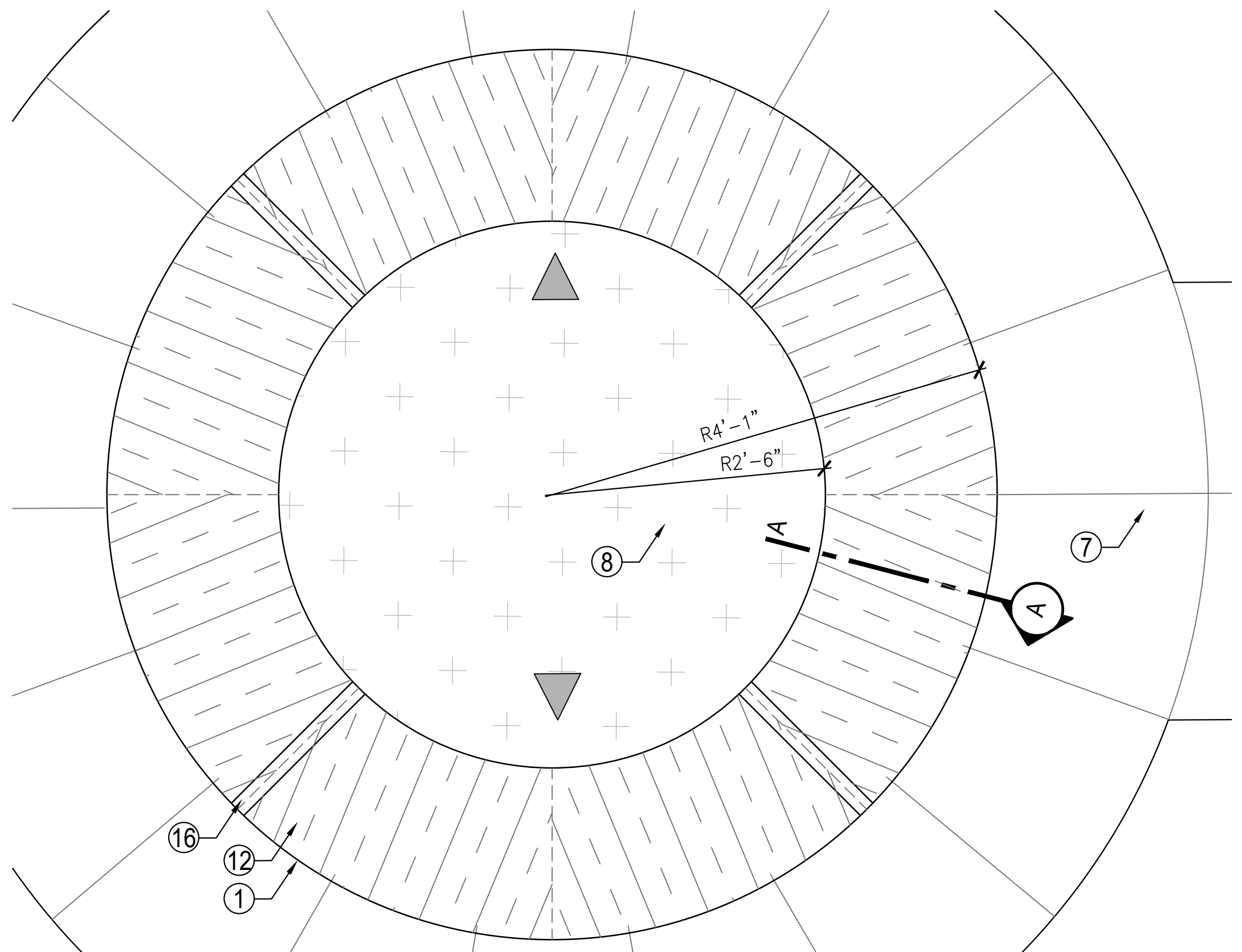
**NOTE:**  
 A. CLADDING AND PRECAST CONCRETE CAP - REFER TO L300, CONSTRUCTION LEGEND  
 B. HOLD ALL STEEL REINFORCING MINIMUM 3" CLEAR FROM EDGE OF CONCRETE  
 C. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADING AND TOP OF WALL ELEVATIONS  
 D. CONCRETE PILASTER; REFER TO DETAIL 6, L601

**KEYSTONE WALL [WC5]**

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

**CONCRETE SEATWALL [W2]**

SCALE: 1" = 1'-0"



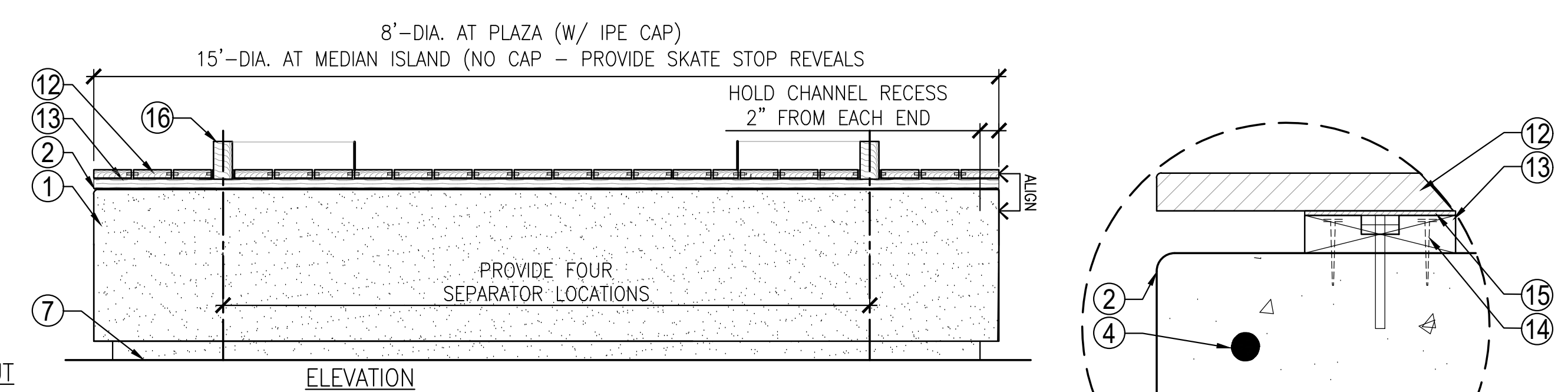
**CONCRETE SEATWALL PLANTER [WC1]**

SCALE: 1" = 1'-0"

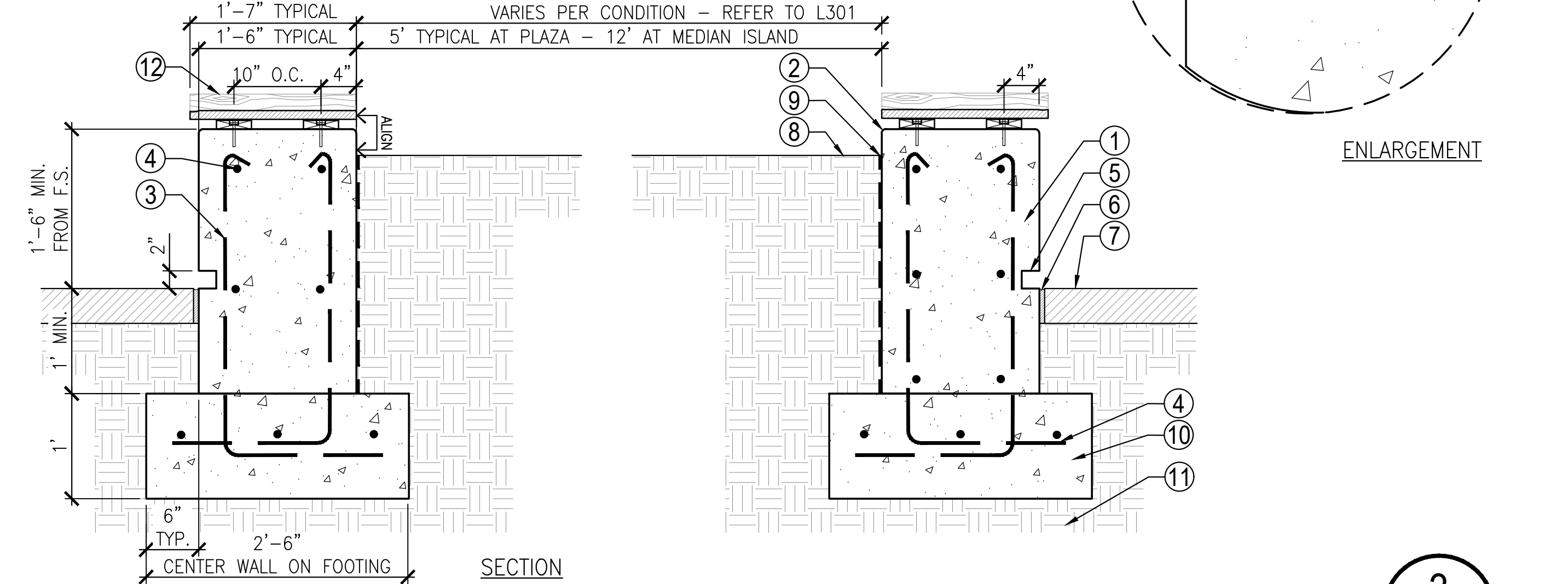
- LEGEND**
1. CAST-IN-PLACE CONCRETE SEATWALL - CROWN TOP TO DRAIN AT 2% - PROVIDE 1" DEEP SAWCUT JOINTS - PER PLAN
  2. 1/2" RADIUS ALL EXPOSED EDGES
  3. #4 REBAR @ 18" O.C., BEND WALL REBAR INTO FOOTING
  4. #4 REBAR CONTINUOUS
  5. 2" SQ. TOE KICK
  6. JOINT: SEALED BUTT JOINT AT PAVERS OR ISOLATION JOINT AT CONCRETE
  7. FINISH SURFACE OF ADJACENT PAVING
  8. FINISH GRADE OF PLANTING AREA
  9. WATERPROOFING
  10. CONCRETE FOOTING
  11. COMPACTED SUBGRADE TO BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT
  12. 1X4 PRE-SLOTTED IPE WOOD PLANKS - EASE EDGES, TYP. ALL SIDES AND CUT ENDS TO BE FINISHED. ATTACH TO NAILERS WITH BLACK STAINLESS STEEL HIDDEN CLIPS. -"IPE EXTREME CLIPS," OR EQUAL (WOOD CLADDING LOCATED WITHIN WEST AND EAST PLAZAS)
  13. 1X PTD# NAILERS HOLD 2" MIN. FROM EACH END. ATTACH TO SEATWALL WITH HEAVY DUTY SCREW ANCHORS - COUNTER BORE AND SPACE @ 24" O.C.
  14. STAINLESS STEEL SCREWS. USE SCREWS ONLY ON END PLANKS WHERE A CLIP WOULD BE VISIBLE. PROVIDE (2) AT EACH NAILER. RECESS SCREWS, PROVIDE IPE PLUGS TO CONCEAL. SAND SMOOTH AND STAIN TO MATCH
  15. NEOPRENE LEVELER BETWEEN IPE PLANK AND NAILER, AS NEEDED
  16. 2X4 IPE WOOD SEPARATORS - EASE EDGES, TYP. ALL SIDES AND CUTS ENDS TO BE FINISHED. ATTACH TO NAILERS WITH BLACK STAINLESS STEEL ANGLE BRACKETS, SIZE AS REQUIRED



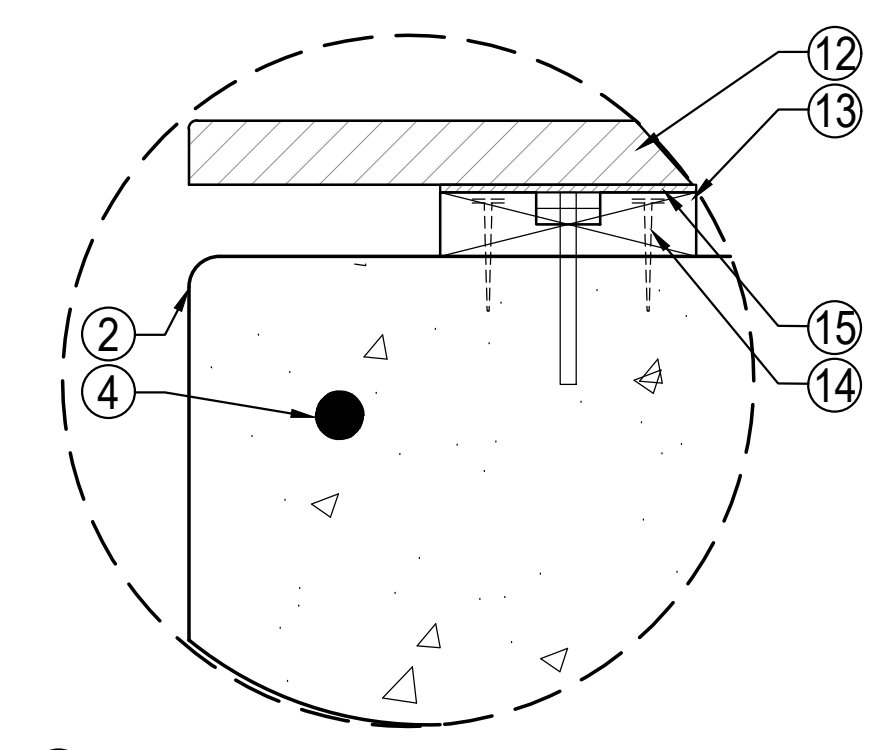
EXAMPLE IMAGERY OF PLANK LAYOUT FOR DESIGN INTENT ONLY



**ELEVATION**



**SECTION**

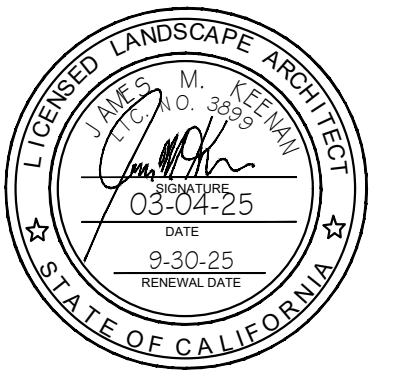


**ENLARGEMENT**

INVIATION FOR BID 03-04-2024

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

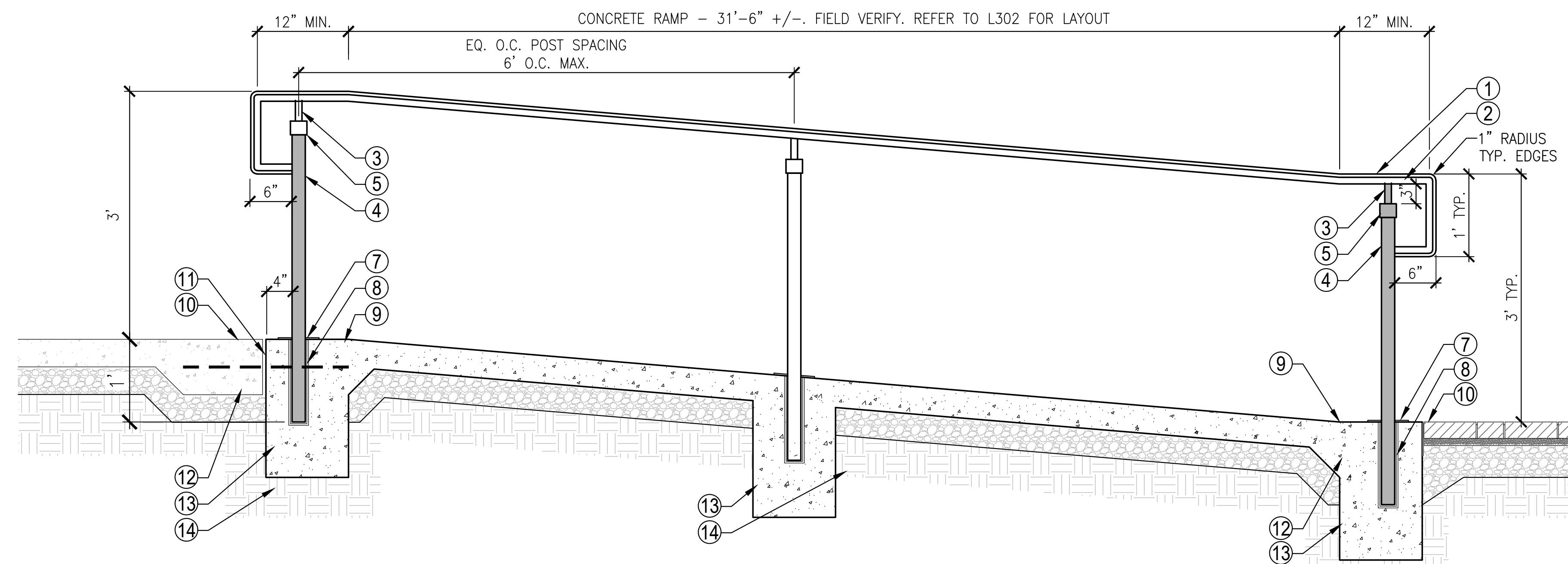
**Construction Details**



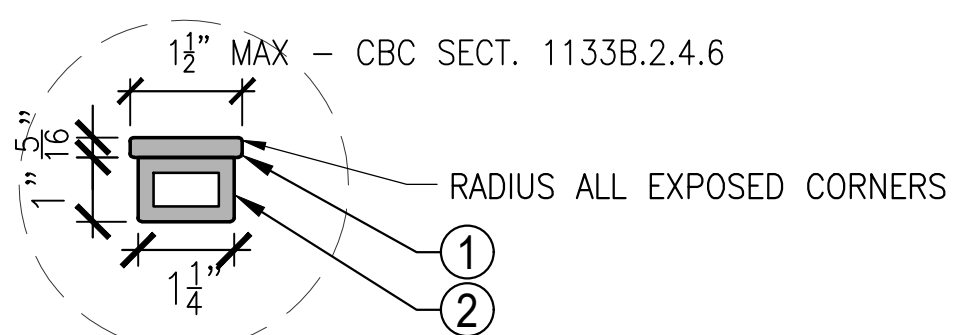
PLAN CHECK #CIP-9079  
**L612**  
 2019-GTD  
 VARIES  
 IFB SUBMITTAL  
 ISSUED AS 03/04/2024  
 ISSUE DATE  
 SHEET 042 OF 235

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SECTION - LENGTH



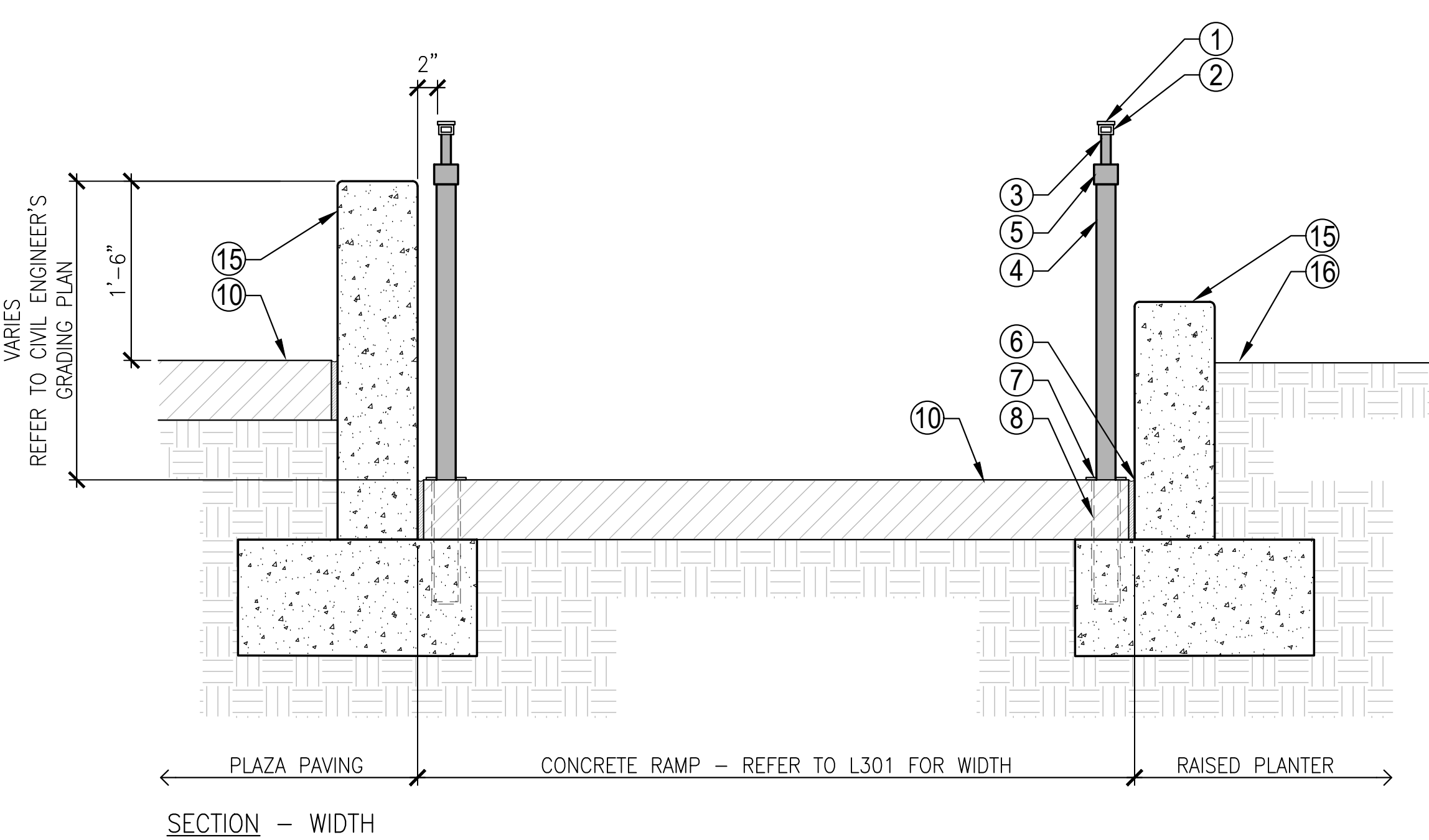
SECTION - HANDRAIL

**LEGEND:**

1. 5/16" THK. FLAT STEEL TOP RAIL. RADIUS AT ENDS AS SHOWN
2. 1"x1 1/2" TUBULAR STEEL RAIL WITH END CAPS
3. 1" SQ. SOLID STEEL HANDRAIL POST EXTENSION
4. 2" SQ. TUBULAR STEEL POST
5. STEEL POST CAP, SIZE TO FIT POST
6. ISOLATION JOINT AT ADJACENT CONCRETE WALL
7. STEEL ESCUCHEON COVER PLATE AT BASE OF POST TYPICAL. JANSEN MODEL #231. SIZE TO FIT POST
8. CORE DRILL POST 12" INTO THICKENED EDGE / CONCRETE FOOTING WITH 12" DEEP GRAY PVC SLEEVE. GROUT SOLID HANDRAIL POST IN SLEEVE WITH NON-SHRINKING EPOXY GROUT. COLOR TO MATCH ADJACENT PAVING
9. TOP OF RAMP / BOTTOM OF RAMP FINISH SURFACE
10. FINISH SURFACE OF RAMP PAVING OR ADJACENT PAVING
11. DOWELED ISOLATION JOINT; REFER TO DETAIL 3, L601
12. CONCRETE THICKENED EDGE AT BOTH RAMP AND ADJACENT CONCRETE PAVING
13. CONCRETE FOOTING; COORDINATE WITH ADJACENT CONCRETE WALL FOOTING
14. COMPACTED SUBGRADE TO BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT
15. ADJACENT CONCRETE WALL
16. FINISH GRADE OF ADJACENT PLANTING AREA

**NOTES:**

- A. COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION LEGEND
- B. ALL WELDS SHALL BE CONTINUOUS 1/8" FILLET WELDS. GRIND ALL WELDS SMOOTH. REMOVE ALL SPATTER AND SLAG
- C. SHOP FABRICATE AND SHOP PAINT. PAINT ALL EXPOSED SURFACES TWO COATS PAINT
- D. CONCRETE STEPS: REFER TO DETAIL 5, L601
- E. SUBMITTAL: CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR OWNER'S REVIEW AND APPROVAL PRIOR TO FABRICATION
- F. CONCRETE PAVING AND CONCRETE JOINTS; REFER TO DETAILS 1 AND 3 L601
- G. CONCRETE WALL: REFER TO DETAIL 2, L611.



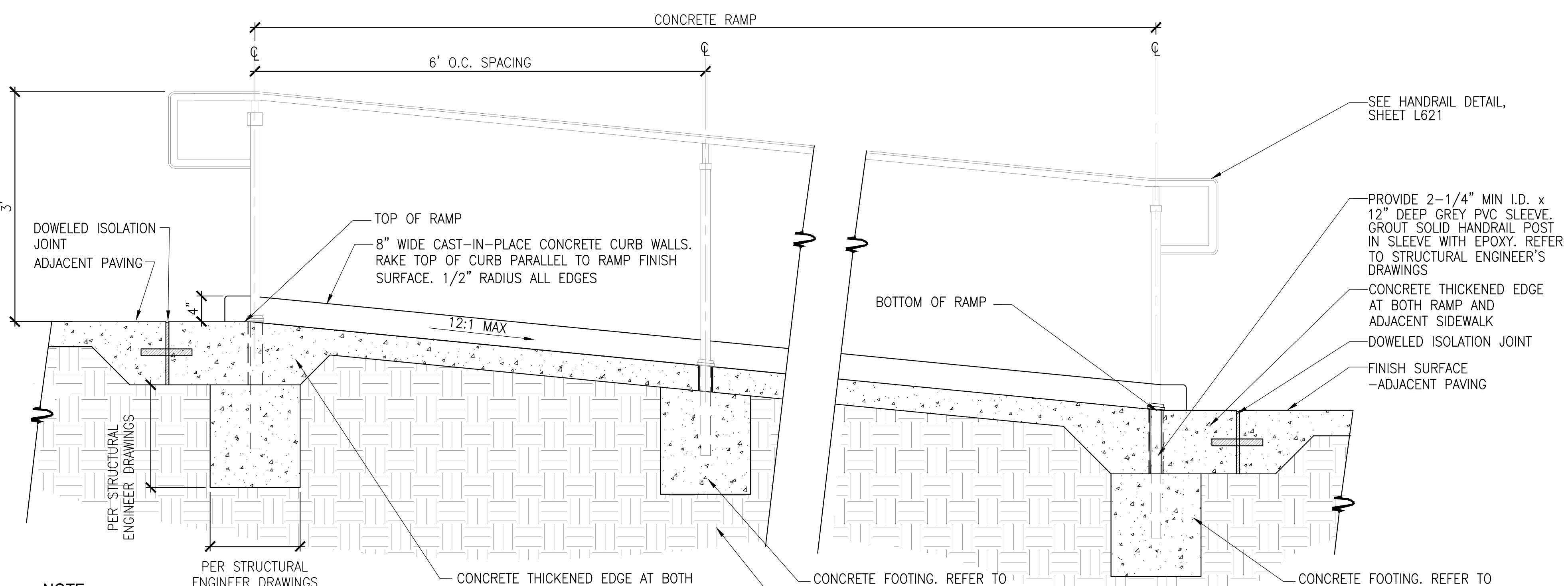
SECTION - WIDTH

**STEEL HANDRAIL - AT RAMP** [ST2] [R1]

SCALE: 1" = 1'-0"

5

L621



**NOTE:**

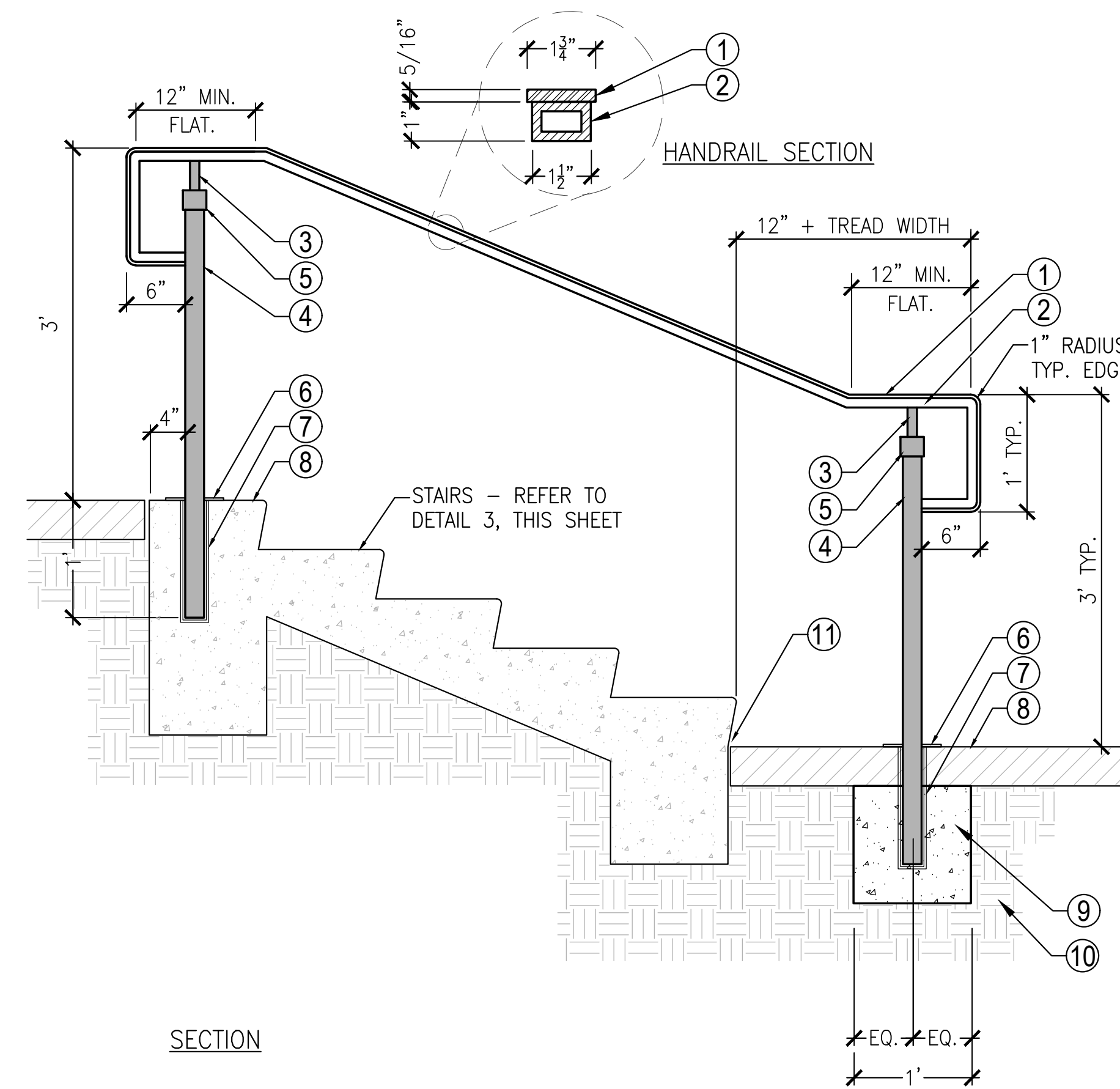
1. RAMP CONDITIONS VARY - VERIFY PER CONSTRUCTION PLAN
2. RAMP TO COMPLY WITH CBC 11B-405.

**CONCRETE RAMP AND HANDRAIL**

SCALE: 1" = 1'-0"

6

L621



SECTION

**LEGEND:**

1. 1 1/2"x5/16" THK. FLAT STEEL TOP RAIL. RADIUS AT ENDS AS SHOWN
2. 1"x1 1/2" TUBULAR STEEL RAIL WITH END CAPS
3. 1" SQ. SOLID STEEL HANDRAIL POST EXTENSION
4. 2" SQ. TUBULAR STEEL POST
5. STEEL POST CAP, SIZE TO FIT POST
6. STEEL ESCUCHEON COVER PLATE AT BASE OF POST TYPICAL. JANSEN MODEL #231. SIZE TO FIT POST
7. CORE DRILL POST 12" INTO STAIR CONCRETE FOOTING / STEM WITH 12" DEEP GRAY PVC SLEEVE. GROUT SOLID HANDRAIL POST IN SLEEVE WITH NON-SHRINKING EPOXY
8. FINISH SURFACE OF STAIR OR ADJACENT PAVING - REFER TO CONSTRUCTION PLAN
9. CONCRETE FOOTING
10. COMPACTED SUBGRADE TO BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT
11. JOINT - SEALED BUTT JOINT AT PAVERS OR ISOLATION JOINT AT CONCRETE

**NOTES:**

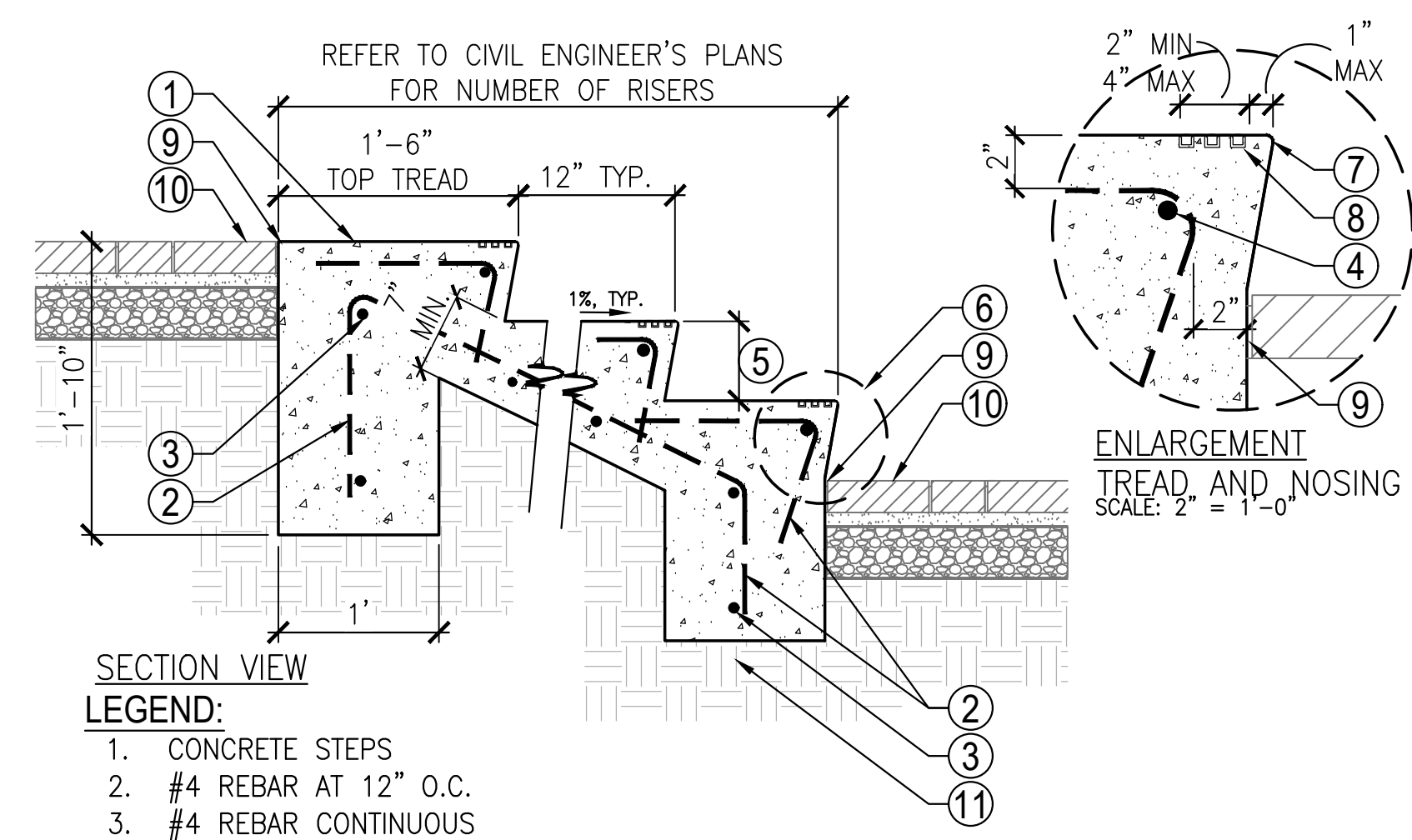
- A. COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION LEGEND
- B. ALL WELDS SHALL BE CONTINUOUS 1/8" FILLET WELDS. GRIND ALL WELDS SMOOTH. REMOVE ALL SPATTER AND SLAG
- C. SHOP FABRICATE AND SHOP PAINT. PAINT ALL EXPOSED SURFACES TWO COATS PAINT
- D. CONCRETE STEPS: REFER TO DETAIL 3, L621
- E. SUBMITTAL: CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR OWNER'S REVIEW AND APPROVAL PRIOR TO FABRICATION

**STEEL HANDRAIL** [R1]

SCALE: 1" = 1'-0"

2

L621



**SECTION VIEW**

**LEGEND:**

1. CONCRETE STEPS
2. #4 REBAR AT 12" O.C.
3. #4 REBAR CONTINUOUS
4. #4 REBAR AT NOSE, CONTINUOUS, 2" MIN. CLEAR
5. REFER TO CIVIL ENGINEER'S PLANS FOR RISER HEIGHT
6. TREAD AND NOSING DETAIL - SEE ENLARGEMENT
7. 1/2" TOOLED RADIUS, TYPICAL AT NOSING
8. CARBORUNDUM METAL IMBED. INSTALL IN TACTILE STRIPS PER MANUFACTURER INSTRUCTIONS. 2" MIN. WIDE STRIP WITH CONTRASTING COLOR.
9. JOINT - SEALED BUTT JOINT AT PAVERS OR ISOLATION JOINT AT CONCRETE
10. ADJACENT PAVING FINISH SURFACE
11. COMPACTED SUBGRADE TO BE PREPARED IN ACCORDANCE WITH GEOTECHNICAL REPORT

**NOTES:**

- A. COLOR, FINISH, ETC. - REFER TO L300, CONSTRUCTION LEGEND
- B. CONCRETE LOW WALL AT EACH END OF STAIR - REFER TO DETAIL 2, L611
- C. STEEL HANDRAIL - REFER TO DETAIL 2, L621
- D. HOLD REINFORCEMENT 3" CLEAR FROM EDGE OF STAIR, UNLESS OTHERWISE NOTED

**CONCRETE STEPS** [ST1]

SCALE: 1" = 1'-0"

3

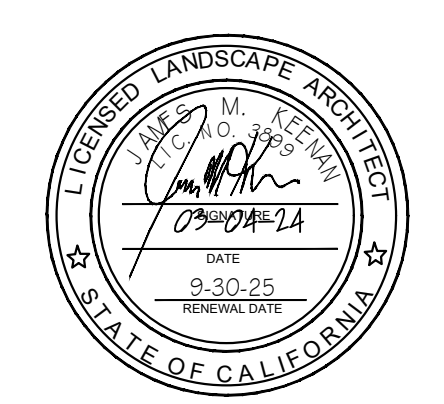
L621

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REVISION	DATE	ISSUE FOR BID
A	03/04/2024	

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

CONTRACT NO. 2019-GTD  
**Construction Details**



PLAN CHECK #CIP-9079  
**L621**  
 2019-GTD  
 VARIES  
 IFB SUBMITTAL  
 ISSUED AS 03/04/2024  
 ISSUE DATE  
 SHEET 043 OF 235

INVITATION FOR BID 03-04-2024







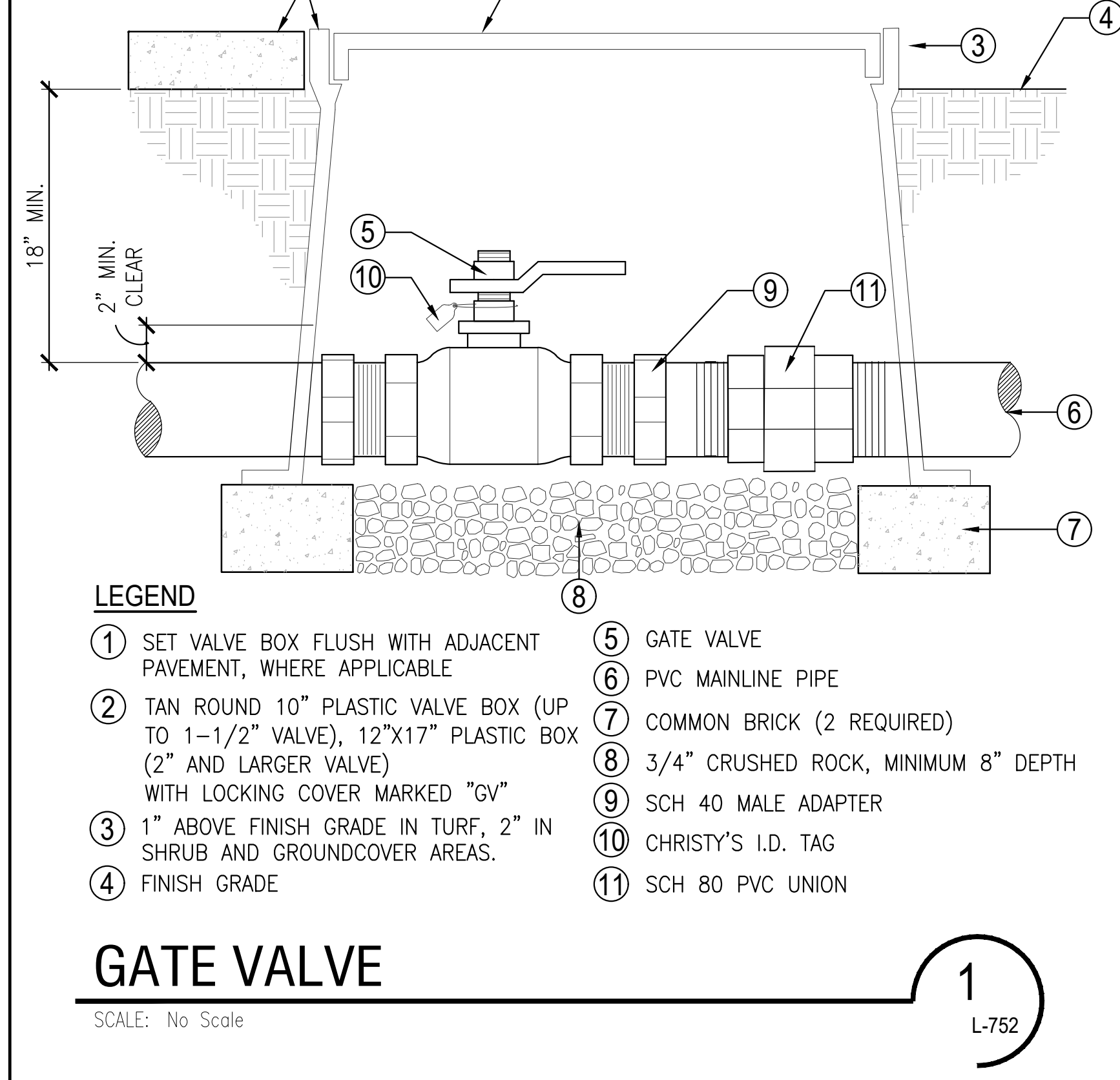
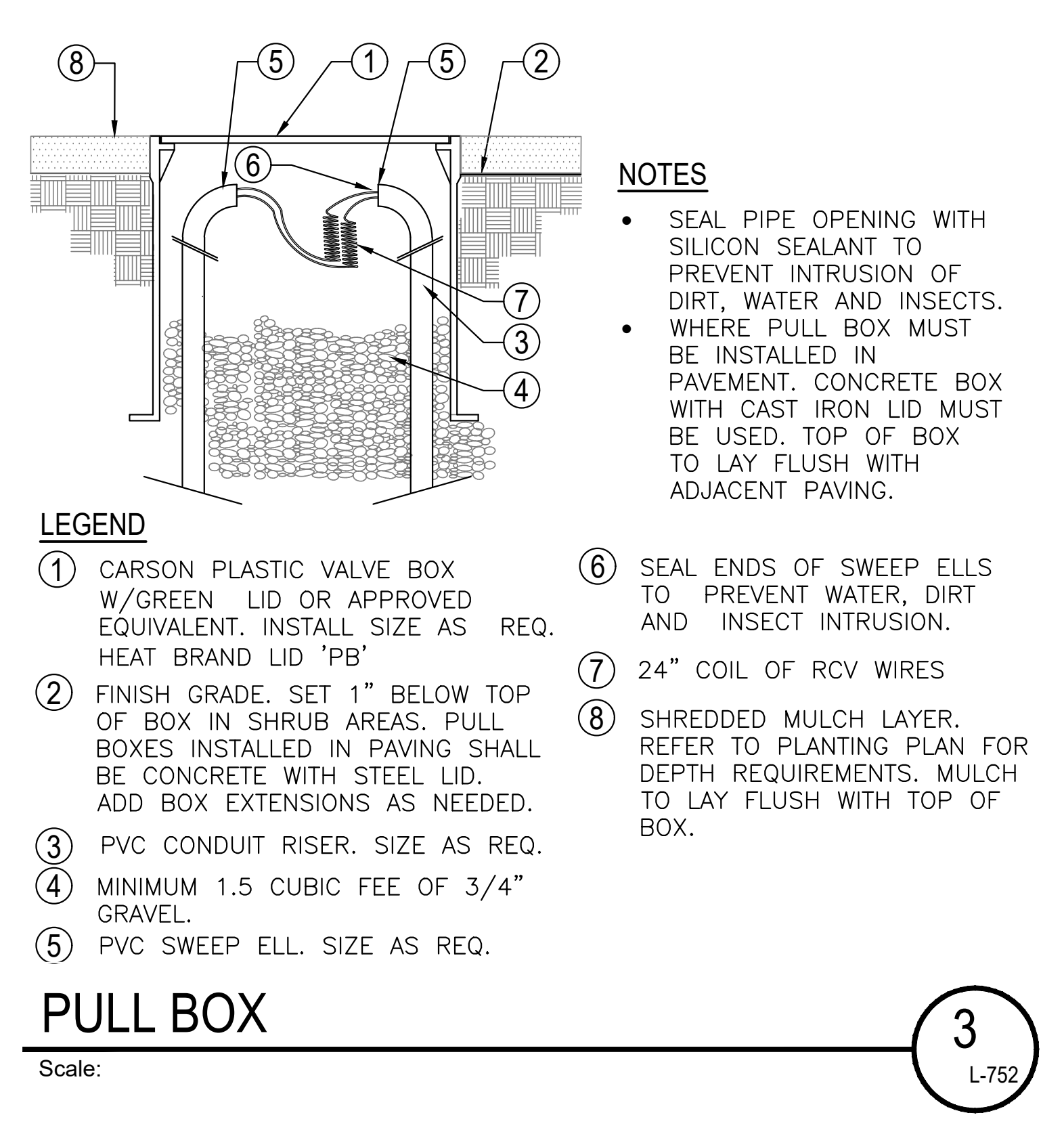
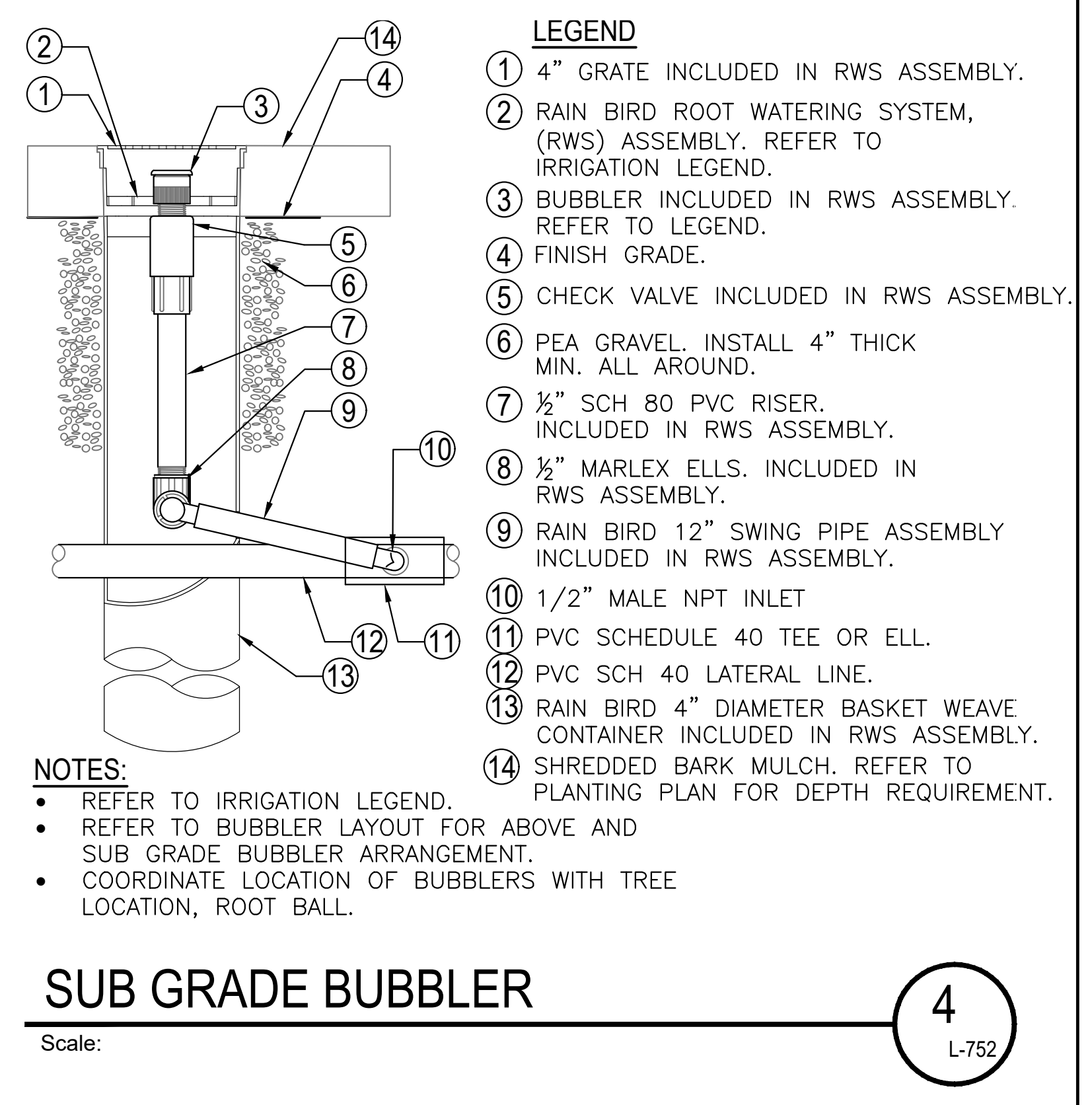
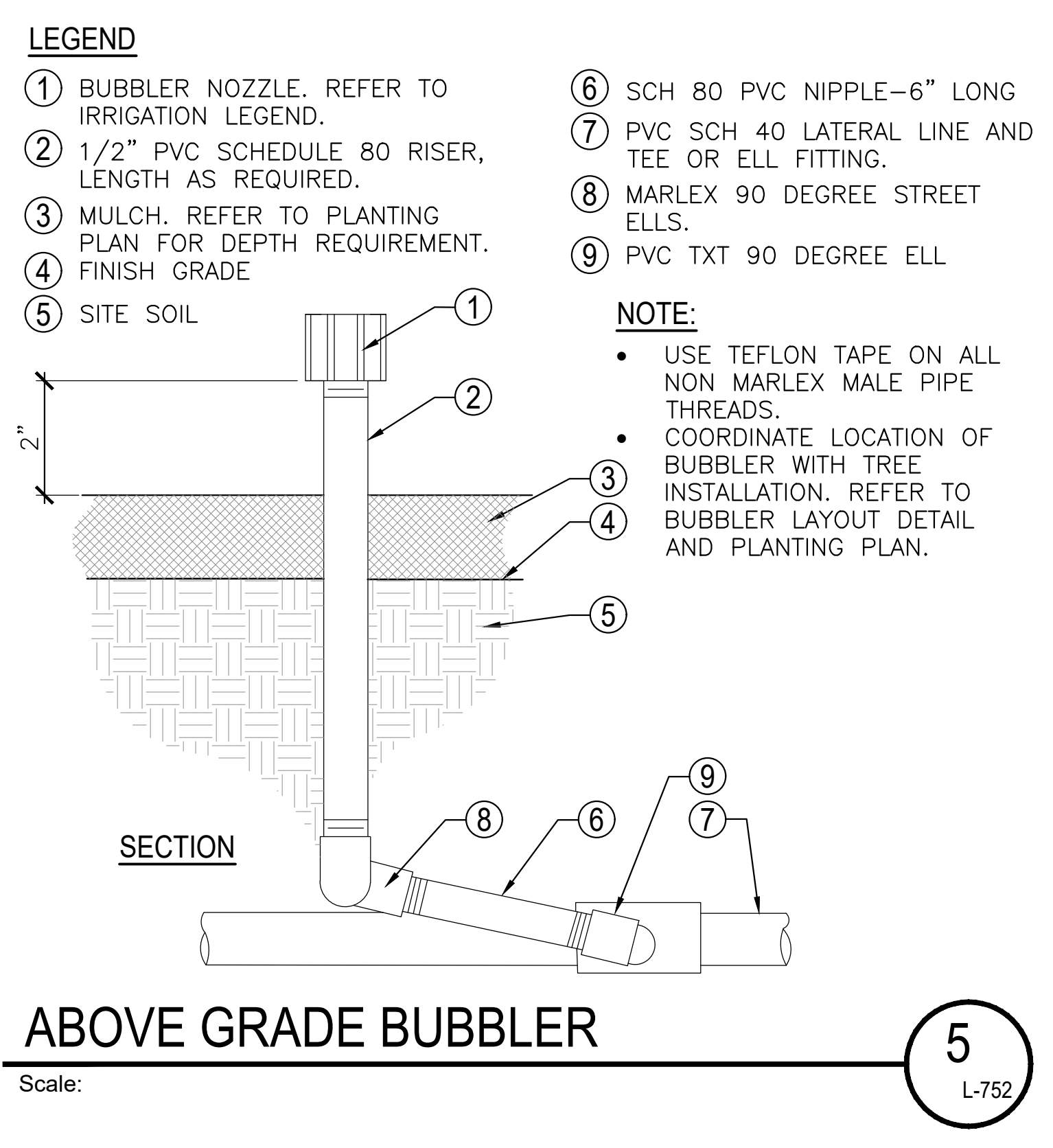






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DATE	03/04/2024
ISSUE FOR BID	
REVISION	



**WATER EFFICIENT LANDSCAPING WORKSHEET**  
 REFERENCE EVAPOTRANSPIRATION RATE (Eto):48.1

HYDROZONE #/ PLANTING DESCRIPTION	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA IN SF	ETAF x AREA	EST. TOTAL WATER USE (ETWU) <sup>a</sup>
<b>REGULAR LANDSCAPE AREAS</b>							
HYDROZN#1- FULL SUN SHRUB	0.2	DRIP	0.81	0.24	9,920	2,380.8	71,000.2
HYDROZN#2- NORTH SIDE BLDG SHRUB	0.2	DRIP	0.81	0.24	866	207.8	6,198.2
HYDROZN#3- LID PKLOT SHRUB	0.2	DRIP	0.81	0.24	4,981	1,195.4	35,650.4
HYDROZN#4- PLZA PLNTR SHRUB	0.2	DRIP	0.81	0.24	380	91.2	2,719.8
HYDROZN#5- COBBLE GROUND COVER	0.0	NA	NA	0.0	522	0.0	0.0
		X	X	0	16,669	3,875.2	115,568.6
<b>TOTALS (A)</b>					<b>16,669</b>	<b>3,875.2</b>	<b>115,568.6</b>
<b>SPECIAL LANDSCAPE AREAS</b>							
				1			
				1			
<b>TOTALS (C)</b>					<b>0</b>	<b>0</b>	
<b>ETWU TOTAL</b>							<b>115,568.6</b>
<b>MAXIMUM ALLOWED WATER ALLOWANCE, (MAWA)*</b>							<b>223,682.8</b>

**MAXIMUM ALLOWED WATER ALLOWANCE, (MAWA)**

=(ETO) (0.62) [(ETAF x LA) + ((1-ETAF) x SLA)]  
 =(48.1) (0.62) [(0.45 x 16,669) + ((1-0.45) x 0)]  
 =(29.82) [(7,501.1) + (0.55 x 0)]  
 =223,682.8 GALLONS PER YEAR

**ETWU (ANNUAL GALLONS REQUIRED)=**  
 ETO X 0.62 X ETAF X AREA  
 WHERE 0.62 IS A CONVERSION FACTOR THAT  
 CONVERTS ACRE-INCHES PER ACRE PER  
 YEAR TO GALLONS PER SQUARE FOOT PER  
 YEAR.

**ETAF CALCULATIONS**

**REGULAR LANDSCAPE AREAS**

TOTAL ETAF x AREA, (B)	3,469.7
TOTAL AREA, (A)	16,669.0
AVERAGE ETAF, (B/A)	0.21

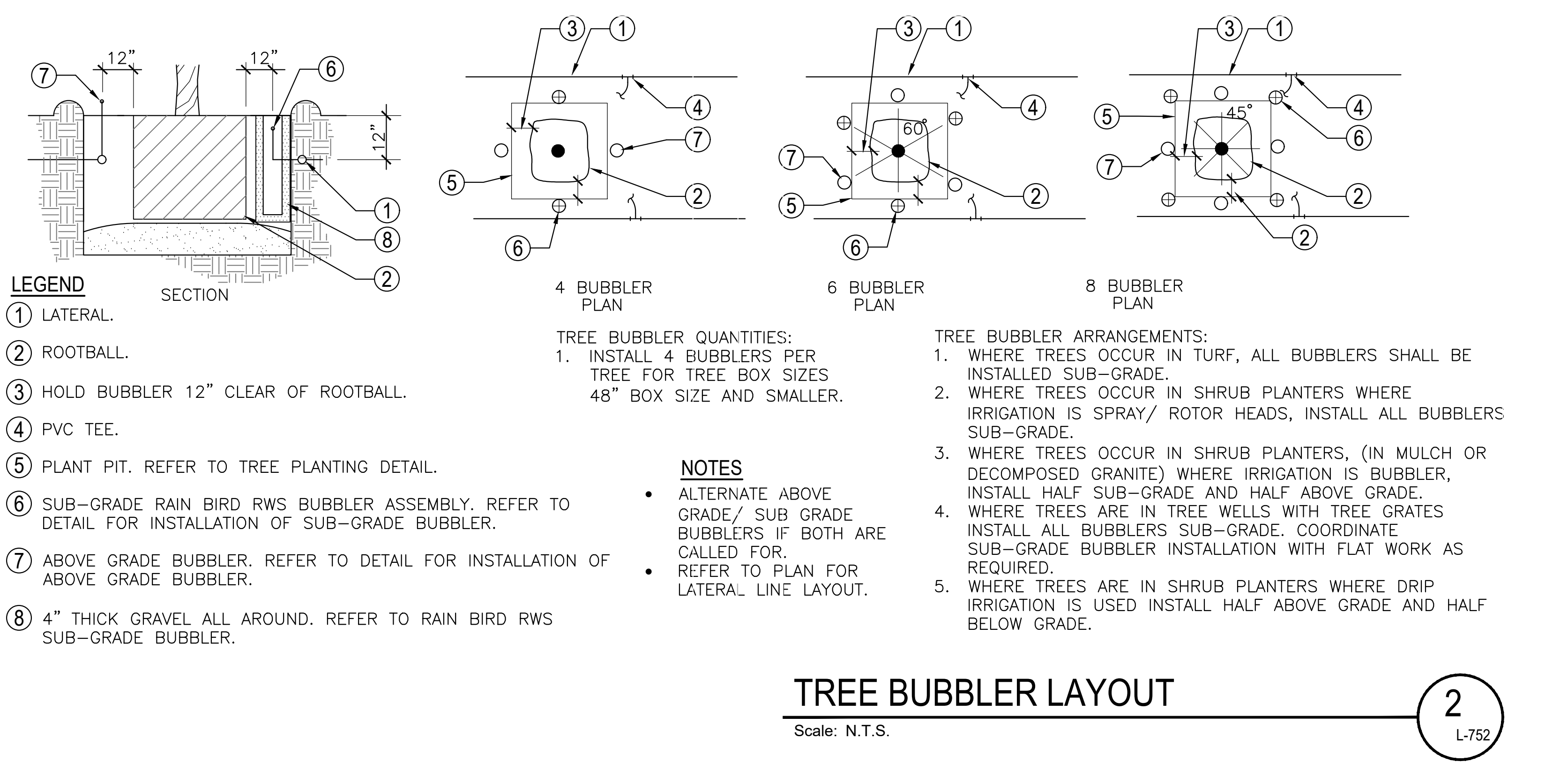
AVERAGE ETAF FOR REGULAR LANDSCAPE AREAS MUST BE 0.55 OR BELOW FOR RESIDENTIAL AREAS, AND 0.45 BELOW FOR NON-RESIDENTIAL AREAS.

**ALL LANDSCAPE AREAS**

TOTAL ETAF x AREA, (B+D)	3,469.7
TOTAL AREA, (A+C)	16,669.0
SITEWIDE ETAF, (B+D)/(A+C)	0.21

**REFERENCE ETO - CITY OF GOLETA**  
 Per Goleta Ca Muni Code 06/22

January	2.1"
February	2.5"
March	3.9"
April	5.1"
May	5.7"
June	5.7"
July	5.4"
August	5.4"
September	5.2"
October	3.2"
November	2.8"
December	2.2"
total	48.1"



**IRRIGATION PRESSURE CALCULATION**

ELEVATION AT METER: APPROX 36.8'  
 HIGH HEAD ELEVATION: APPROX 34.5'  
 IRRIGATION SYSTEM DESIGNED FOR MULTIPLE STATION OPERATION AND A MAXIMUM DEMAND OF 14 GPM.  
 VALVE A-8 13.63 GPM  
 PRESSURE LOSS CALCULATION USES 14 GPM MOVING THROUGH SYSTEM, (MULTIPLE VALVE OPERATION).

LOSSES:	
2" WATER METER	0.1
1.5" RPBF ASSEMBLY	12.2
1" MASTER VALVE	1.2
1.5" FLOW SENSOR	0.1
1.5" MAINLINE, 560'	3.1
ISOLATION VALVES, ALLOW	2.5
SUB-TOTAL	19.2
10% FITTINGS	2.0
LOSS	21.2
ELEVATION	0.0
REQ. PRESS AT VALVE	50.0
REQ. PRESS AT METER	78.7
RESIDUAL PRESSURE	7.5

THIS IRRIGATION SYSTEM HAS BEEN DESIGNED FOR A MINIMUM STATIC PRESSURE OF 79 PSI AT POINT OF CONNECTION AND A MAXIMUM DEMAND OF 14 GPM.

CONTRACTOR SHALL VERIFY THAT REQUIRED PRESSURE EXISTS AT POINT OF CONNECTION. COORDINATE PRESSURE TEST WITH GENERAL CONTRACTOR TO ENSURE THAT SYSTEM IS CHARGED WITH NORMAL OPERATING PRESSURE. IF PRESSURE IS NOT ADEQUATE TO RUN SYSTEM, CONTRACTOR SHALL CONTACT LANDSCAPE ARCHITECT AND OWNER IN WRITING STATING THE MEASURED PRESSURE PRIOR TO ANY WORK. FAILURE TO DO SO MAY RESULT IN THE CONTRACTOR BEING RESPONSIBLE FOR ANY CHANGES AS A RESULT.

**SECONDARY HYDRAULIC CALCULATION**

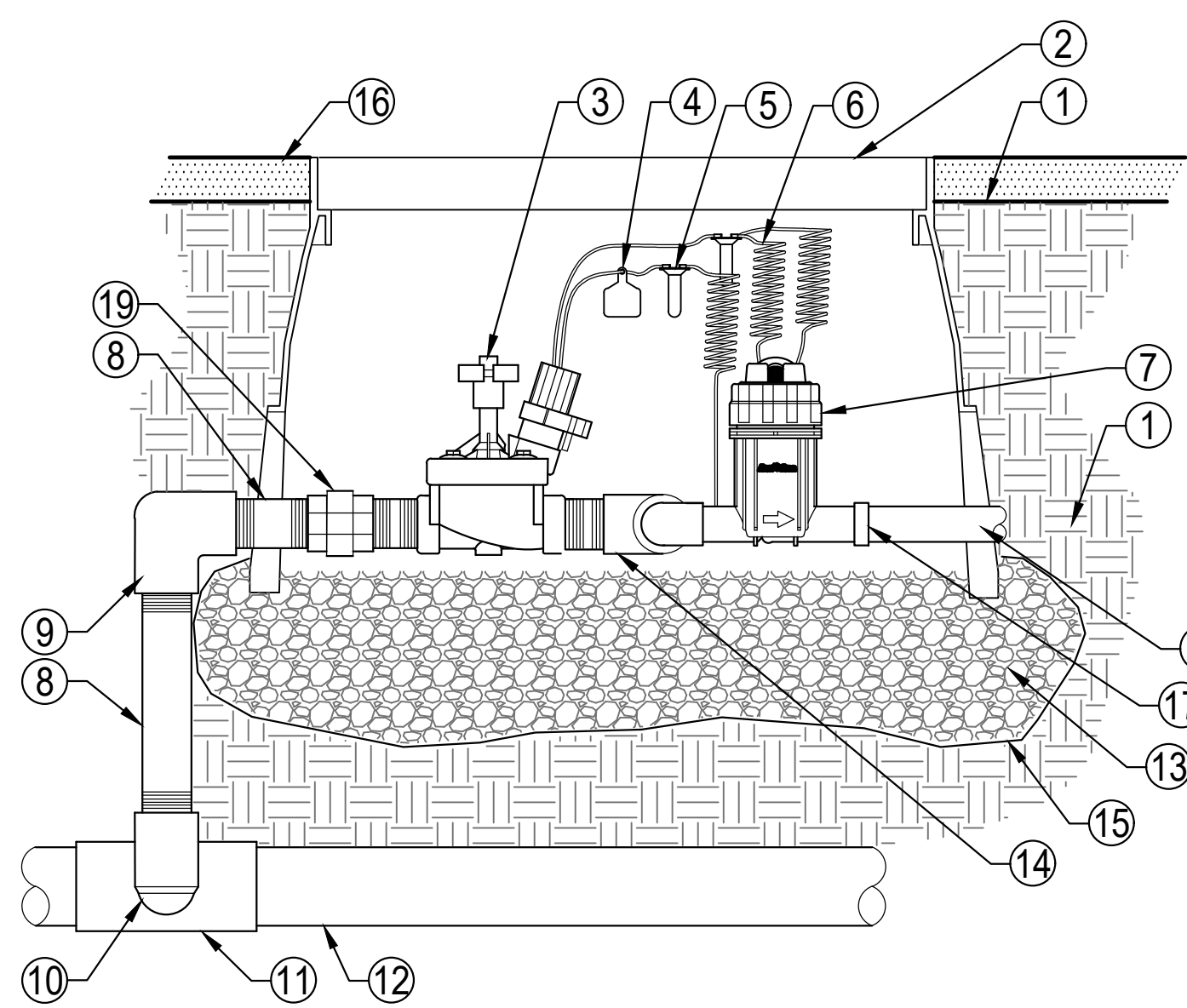
ELEVATION AT METER: APPROX 36.8'  
 HIGH HEAD ELEVATION: APPROX 35.9'  
 IRRIGATION SYSTEM DESIGNED FOR MULTIPLE STATION OPERATION AND A MAXIMUM DEMAND OF 14 GPM.  
 VALVE A-22 14 GPM  
 PRESSURE LOSS CALCULATION USES 14 GPM MOVING THROUGH SYSTEM, (MULTIPLE VALVE OPERATION).

LOSSES:	
2" WATER METER	0.1
1.5" RPBF ASSEMBLY	12.2
1" MASTER VALVE	1.2
1.5" FLOW SENSOR	0.1
1.5" MAINLINE, 420'	2.4
ISOLATION VALVES, ALLOW	2.5
SUB-TOTAL	19.2
10% FITTINGS	2.0
ELEVATION	0.0
SUB-TOTAL	21.2
LOSSES:	
1" REMOTE CONTROL VALVE	2.3
LATERAL LINE	2.5
SUB-TOTAL	4.8
FITTINGS 10%	0.5
SUB-TOTAL	5.3
PRESS. REQ AT HEAD	30.0
TOTAL LOSSES	51.2
REQUIRED PRESS AT METER	60.0
RESIDUAL PRESSURE	8.8

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INVIATION FOR BID 03-04-2024

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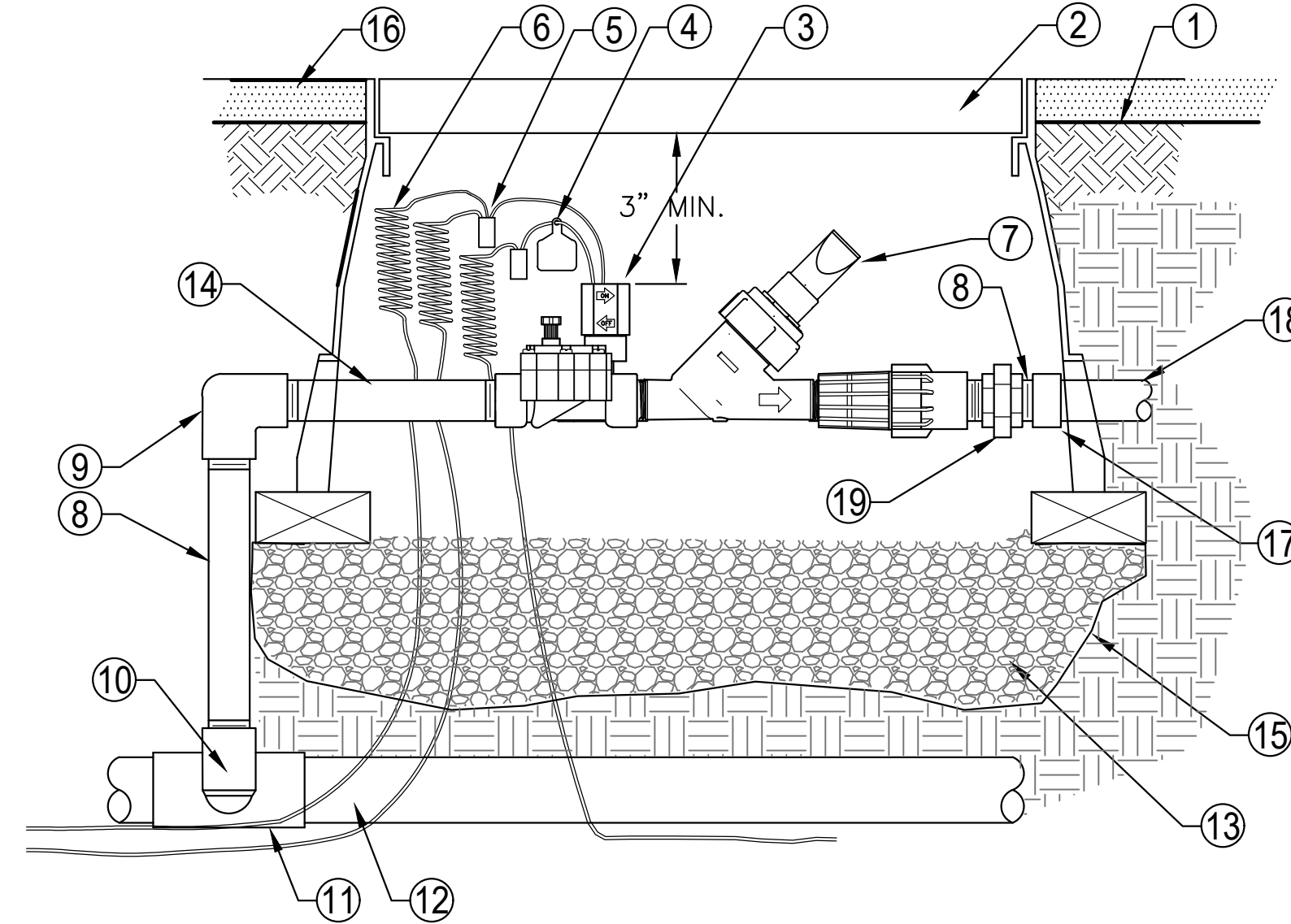
**SECTION**

**LEGEND**

- 1 FINISH GRADE. HOLD TOP OF BOX 2" BELOW FINISH GRADE. ALLOW FOR FULL DEPTH OF REQUIRED MULCH LAYER. REFER TO PLANTING LEGEND. MULCH LAYER TO BE FLUSH WITH TOP OF BOX.
- 2 PLASTIC LOCKING VALVE BOX, RAIN BIRD VB-STD-H OR APPROVED EQUIVALENT. INSTALL MATCHING EXTENSIONS AS REQUIRED. HEAT BRAND VALVE DESIGNATION ON LID.
- 3 REMOTE CONTROL VALVE, RAIN BIRD XCZ-100-PRBR DRIP VALVE KIT WITH 1 PRESSURE REDUCING BASKET FILTER WITH 200 MESH SCREEN.
- 4 VALVE ID TAG.
- 5 APPROVED WATER PROOF CONNECTORS.
- 6 24" OF EXTRA COILED RCV WIRES.
- 7 PRESSURE REGULATING QUICK CHECK BASKET FILTER INCLUDED IN VALVE KIT.
- 8 PVC SCH 80 NIPPLE, LENGTH AS REQUIRED.
- 9 PVC SCH 40 ELL.
- 10 PVC SCH 80 NIPPLE, 2" LENGTH, (HIDDEN) AND PVC SCH 40 ELL.
- 11 PVC SCH 40 TEE OR ELL.
- 12 MAINLINE PIPE.
- 13 1 CUBIC FOOT MINIMUM OF 3/4" GRAVEL BELOW BOX.
- 14 PVC SCH 80 NIPPLES, PVC SCH TEE AND (2) PVC SCH 40 ELLS INCLUDED IN DRIP VALVE KIT.
- 15 FINISH GRADE. HOLD TOP OF BOX 2" BELOW FINISH GRADE. ALLOW FOR FULL DEPTH OF REQUIRED MULCH LAYER. FILTER FABRIC AROUND GRAVEL.
- 16 MULCH LAYER PER PLANTING LEGEND.
- 17 PVC SCH 40 FEMALE ADAPTER.
- 18 LATERAL LINE PIPE TO HEADER.
- 19 PVC SCH 40 UNION.

**WIDE FLOW COMMERCIAL CONTROL ZONE KIT**

SCALE: No Scale



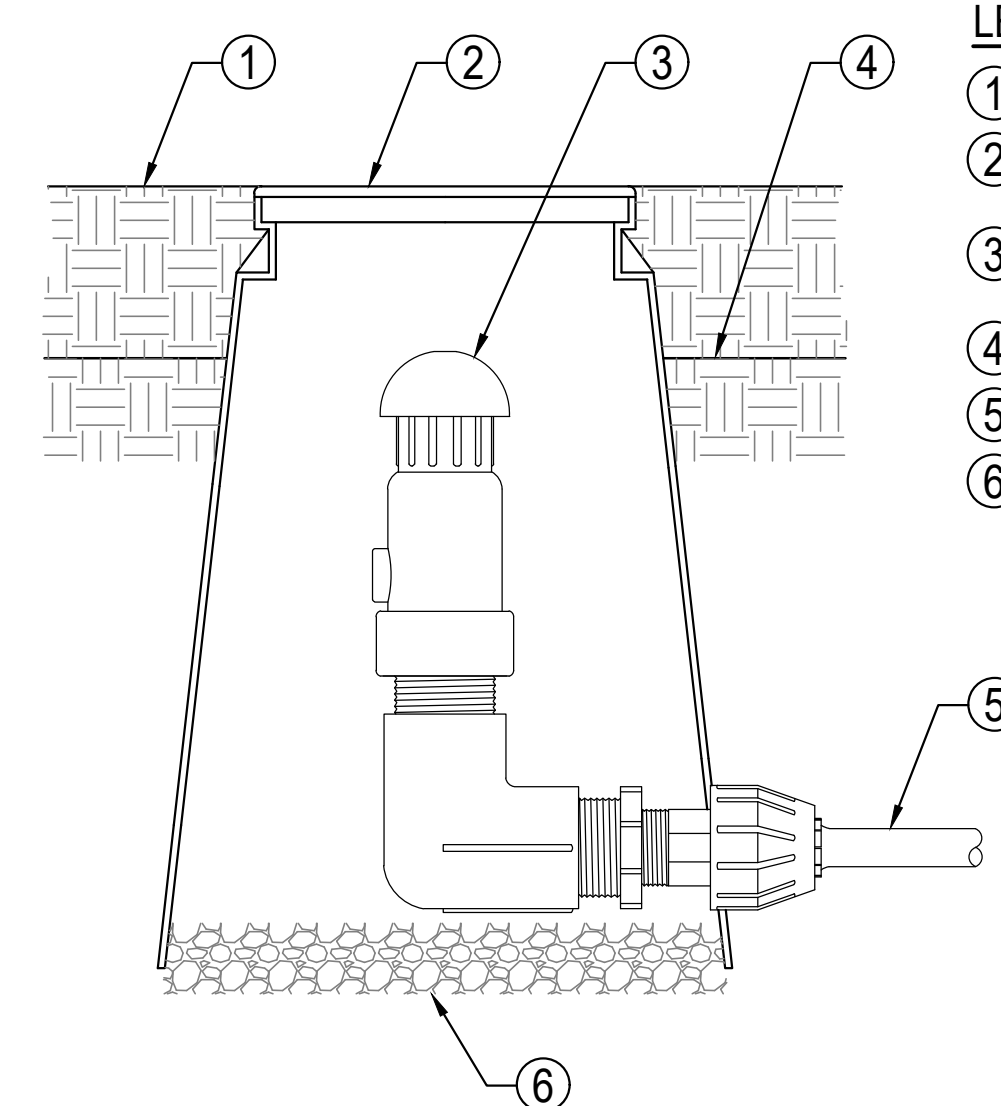
**SECTION**

**LEGEND**

- 1 FINISH GRADE. HOLD TOP OF BOX 2" BELOW FINISH GRADE. ALLOW FULL DEPTH OF REQUIRED MULCH LAYER. REFER TO PLANTING LEGEND. MULCH LAYER TO BE FLUSH WITH TOP OF BOX.
- 2 PLASTIC LOCKING VALVE BOX, RAIN BIRD VB-STD-H OR APPROVED EQUIVALENT. INSTALL MATCHING EXTENSIONS AS REQUIRED. HEAT BRAND VALVE DESIGNATION ON LID.
- 3 REMOTE CONTROL VALVE, RAIN BIRD DRIP VALVE KIT WITH 2 PRESSURE REDUCING QUICK CHECK BASKET FILTERS WITH 200 MESH SCREEN. REFER TO IRRIGATION LEGEND FOR MODEL NUMBERS.
- 4 VALVE ID TAG.
- 5 APPROVED WATER PROOF CONNECTORS.
- 6 24" OF EXTRA COILED RCV WIRES.
- 7 PRESSURE REGULATING 3/4" RBY FILTER INCLUDED IN VALVE KIT.
- 8 PVC SCH 80 NIPPLE, LENGTH AS REQUIRED.
- 9 PVC SCH 40 ELL.
- 10 PVC SCH 80 NIPPLE, 2" LENGTH, (HIDDEN) AND PVC SCH 40 ELL.
- 11 PVC SCH 40 TEE OR ELL.
- 12 MAINLINE PIPE.
- 13 1 CUBIC FOOT MINIMUM OF 3/4" GRAVEL BELOW BOX.
- 14 PVC SCH 80 NIPPLES, PVC SCH TEE AND (2) PVC SCH 40 ELLS INCLUDED IN DRIP VALVE KIT.
- 15 FINISH GRADE. HOLD TOP OF BOX 2" BELOW FINISH GRADE. ALLOW FOR FULL DEPTH OF REQUIRED MULCH LAYER. FILTER FABRIC AROUND GRAVEL.
- 16 MULCH LAYER PER PLANTING LEGEND.
- 17 PVC SCH 40 FEMALE ADAPTER.
- 18 LATERAL LINE PIPE TO HEADER.
- 19 PVC SCH 40 UNION.

**LOW FLOW CONTROL ZONE KIT**

SCALE: No Scale



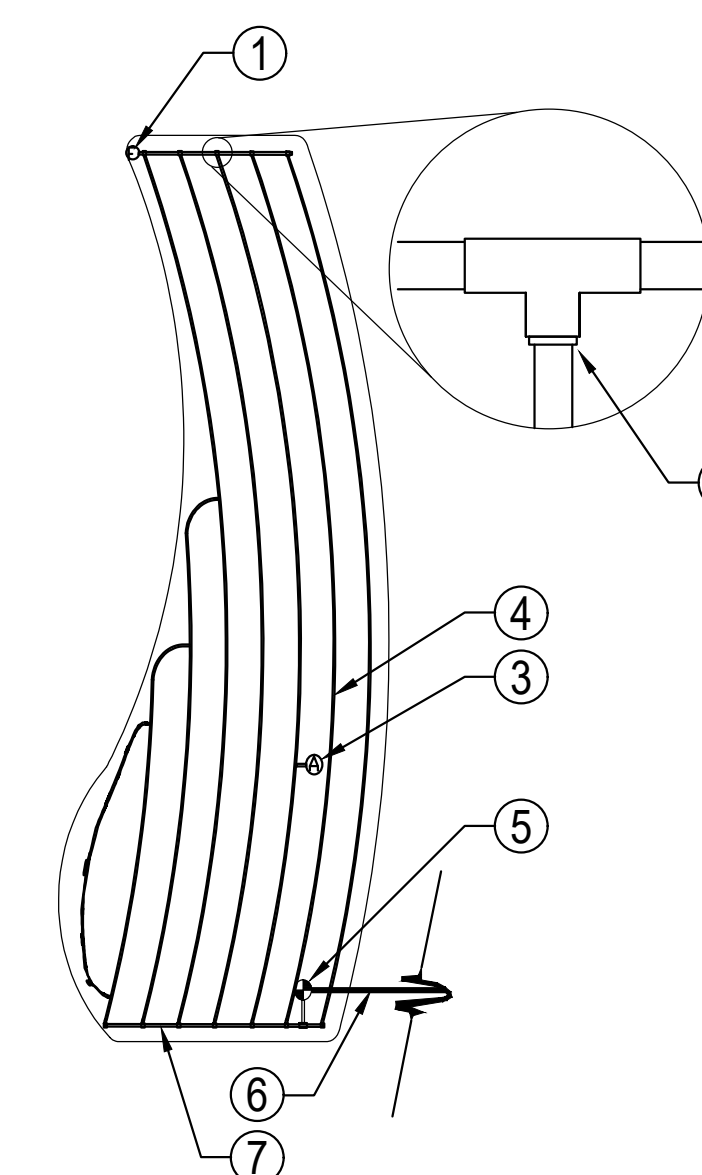
**LEGEND**

- 1 TOP OF MULCH
- 2 ROUND VALVE BOX: RAIN BIRD VB-7RND
- 3 AIR RELIEF VALVE KIT: RAIN BIRD X71000
- 4 FINISH GRADE
- 5 LANDSCAPE DRIPLINE TUBING
- 6 3/4" WASHED GRAVEL (8" DEPTH)

**AR VALVE KIT IN VALVE BOX**

Scale: no scale

AR VALVE L-753



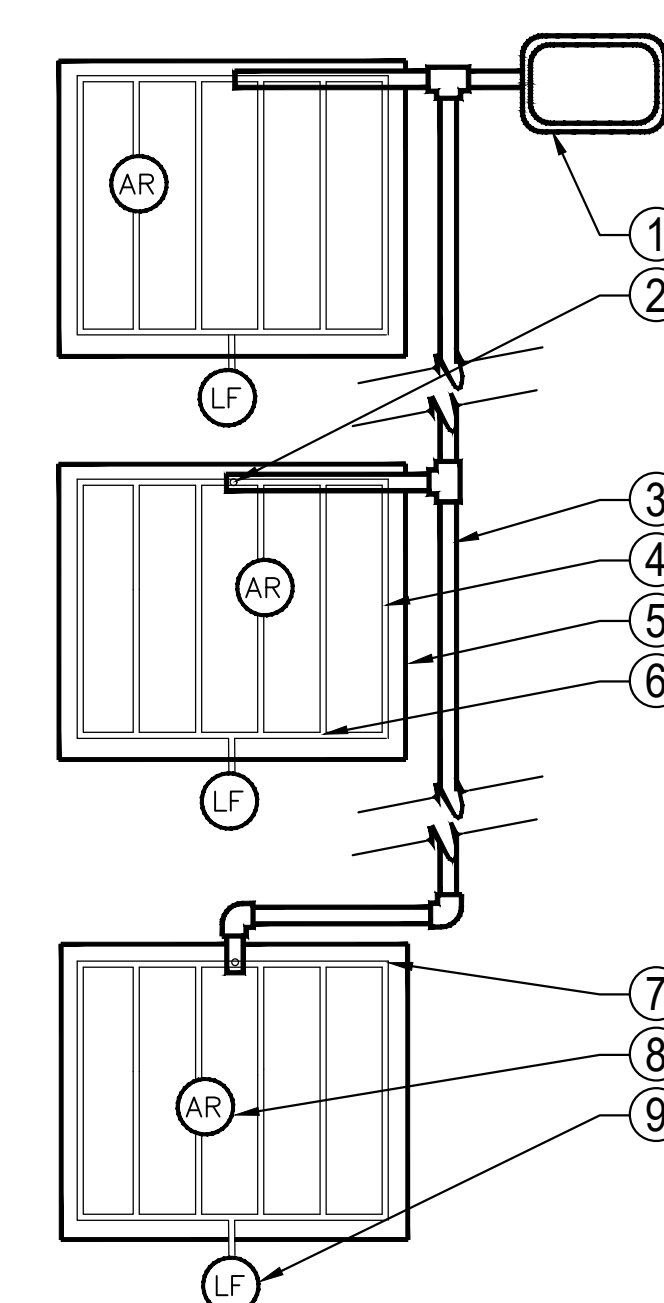
**LEGEND**

- 1 EASY FIT COMPRESSION FITTINGS: COUPLING - RAINBIRD MDCFCOUP FLUSH CAP - RAINBIRD MDCFCAP
- 2 COMPRESSION ADAPTER: RAINBIRD 600-CF-1. NOTE: WHEN GLUING THE 1/2" 600-CF-1 ADAPTER INTO THE PVC TEE, USE AN ABS TO PVC BONDING SOLVENT.
- 3 AIR/VACUUM RELIEF VALVE: RAINBIRD AR VALVE KIT (INSTALL AT HIGH POINT IN LANDSCAPE SYSTEM)
- 4 LANDSCAPE DRIPLINE TUBING: RAINBIRD LANDSCAPE DRIPLINE POTABLE- LD-09-12
- 5 CONTROL ZONE KIT: RAINBIRD XCZ-100-B-COM
- 6 MAINLINE PIPE
- 7 SUPPLY HEADER PVC SCH 40 WITH COMPRESSION FITTINGS: RAINBIRD 600-CF-1

**LD-COVERED POLYGON SHAPED(TYP.)**

Scale: no scale

x-lid-curved polygon L-753



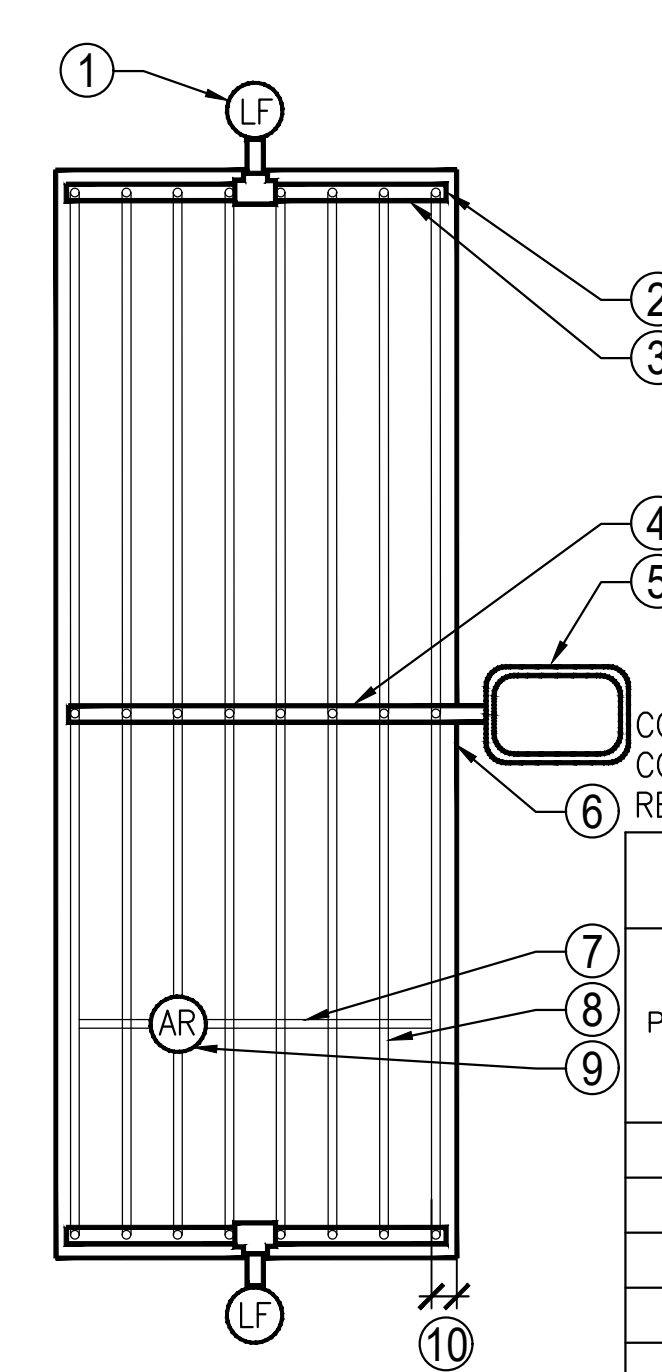
**LEGEND**

- 1 CONTROL ZONE KIT - RAINBIRD. REFER TO LEGEND FOR MODEL.
- 2 CONNECTION MALE ADAPTER
- 3 SUPPLY HEADER
- 4 LANDSCAPE DRIPLINE
- 5 PLANTER PERIMETER
- 6 TEE
- 7 ELL
- 8 AIR/VACUUM RELIEF VALVE (PLUMBED TO DRIPLINE AT EACH HIGH POINT)
- 9 MANUAL LINE FLUSHING VALVE, RAIN BIRD MANUAL FLUSH VALVE. REFER TO LEGEND.

**MULTIPLE PLANTER LAYOUT**

SCALE: No Scale

L-753



**LEGEND**

- 1 LINE FLUSHING VALVE
- 2 CONNECTION MALE ADAPTER
- 3 PVC OR POLY EXHAUST HEADER
- 4 PVC OR POLY SUPPLY HEADER
- 5 CONTROL ZONE KIT RAIN BIRD SERIES - SEE LEGEND
- 6 AREA PERIMETER
- 7 BLANK TUBING
- 8 LANDSCAPE DRIPLINE
- 9 AIR/VACUUM RELIEF VALVE
- 10 PERIMETER LATERALS 4" TO 6" FROM EDGE

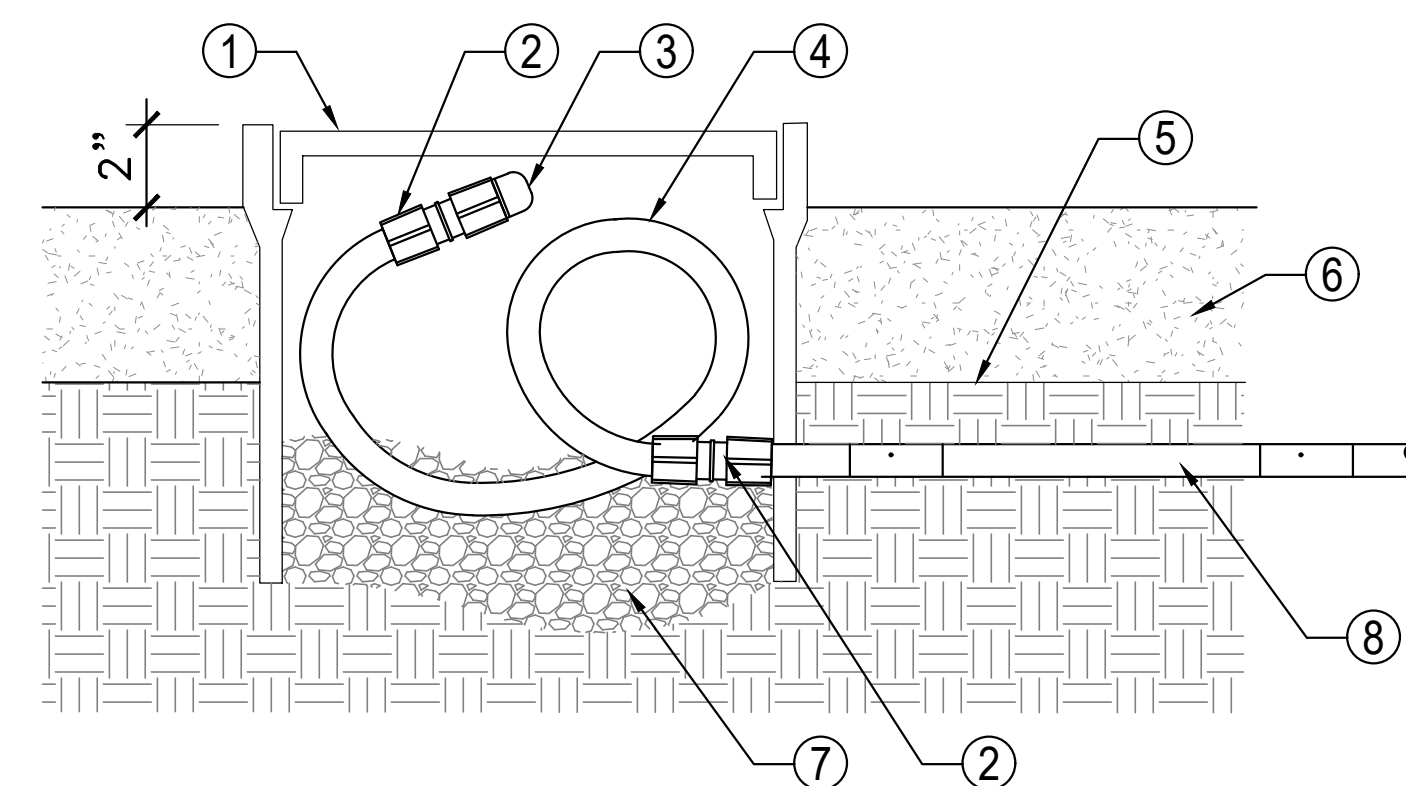
CONTRACTOR SHALL CONFIGURE DRIP TUBING ARRANGEMENT TO CONFORM TO PLANTER SHAPE AND RETAIN CENTER FEED DESIGN. REFER BELOW FOR MAX LATERAL RUNS FOR DRIP TUBING

Inlet Pressure psi	12" Spacing		18" Spacing		24" Spacing	
	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)	Nominal Flow (gph)
0.6	273	155	314	250	424	322
15	318	169	353	294	508	368
20	360	230	413	350	586	414
30	395	255	465	402	652	474
40	417	285	528	420	720	488
50	460	290	596	455	780	514
60						

**CENTER FEED LAYOUT**

SCALE: No Scale

L-753



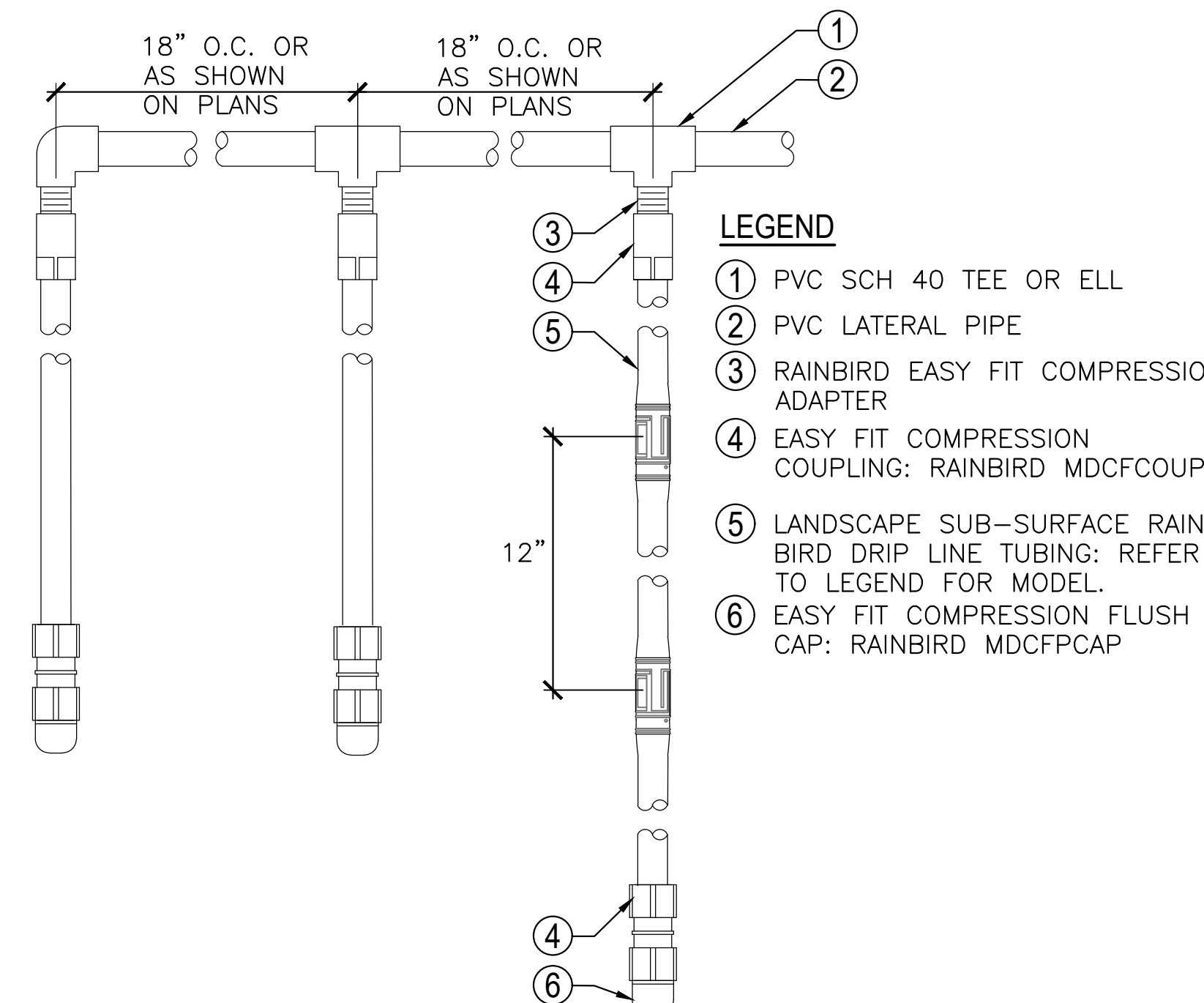
**LEGEND**

- 1 10" ROUND VALVE BOX
- 2 EASY FIT COMPRESSION COUPLING: RAIN BIRD MDCFCOUP
- 3 EASY FIT COMPRESSION FLUSH CAP: RAIN BIRD MDCFFCAP
- 4 1/2" POLYETHYLENE TUBING, RAIN BIRD XBS BLACK STRIPE TUBING
- 5 FINISH GRADE
- 6 MULCH
- 7 2" CRUSHED ROCK, MINIMUM 8" DEPTH
- 8 LANDSCAPE DRIP LINE

**FLUSH VALVE**

SCALE: No Scale

L-753



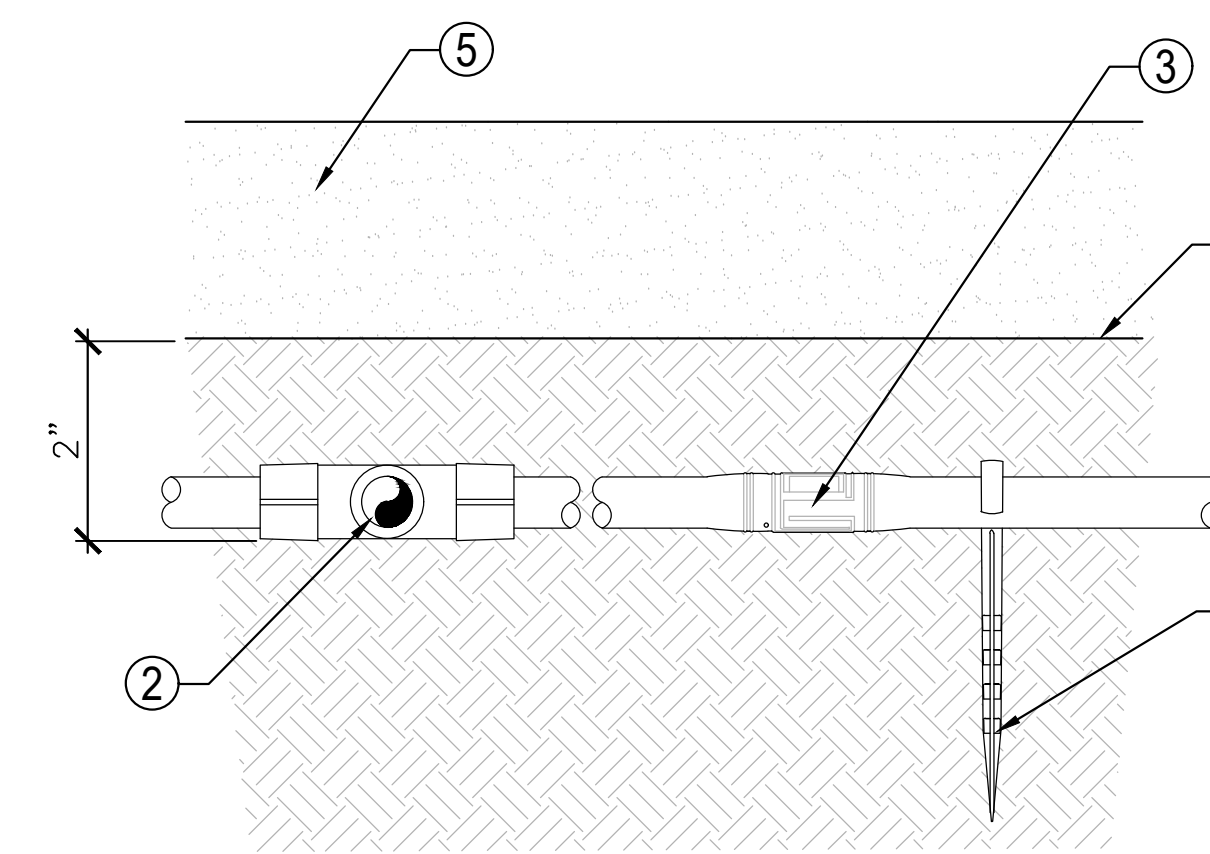
**LEGEND**

- 1 PVC SCH 40 TEE OR ELL
- 2 PVC LATERAL PIPE
- 3 RAINBIRD EASY FIT COMPRESSION ADAPTER
- 4 EASY FIT COMPRESSION COUPLING: RAINBIRD MDCFCOUP
- 5 LANDSCAPE SUB-SURFACE RAIN BIRD DRIP LINE TUBING: REFER TO LEGEND FOR MODEL
- 6 EASY FIT COMPRESSION FLUSH CAP: RAINBIRD MDCFFCAP

**DRIPLINE LATERALS**

SCALE: No Scale

L-753



**LEGEND**

- 1 TIE DOWN STAKE: RAINBIRD RB TDS 050 W/ BEND. 36" MAX O.C.
- 2 EASY FIT COMPRESSION TEE: RAINBIRD MDCFTTE
- 3 LANDSCAPE DRIPLINE TUBING: RAINBIRD LANDSCAPE DRIPLINE XFS-09-12-500
- 4 FINISH GRADE
- 5 MULCH

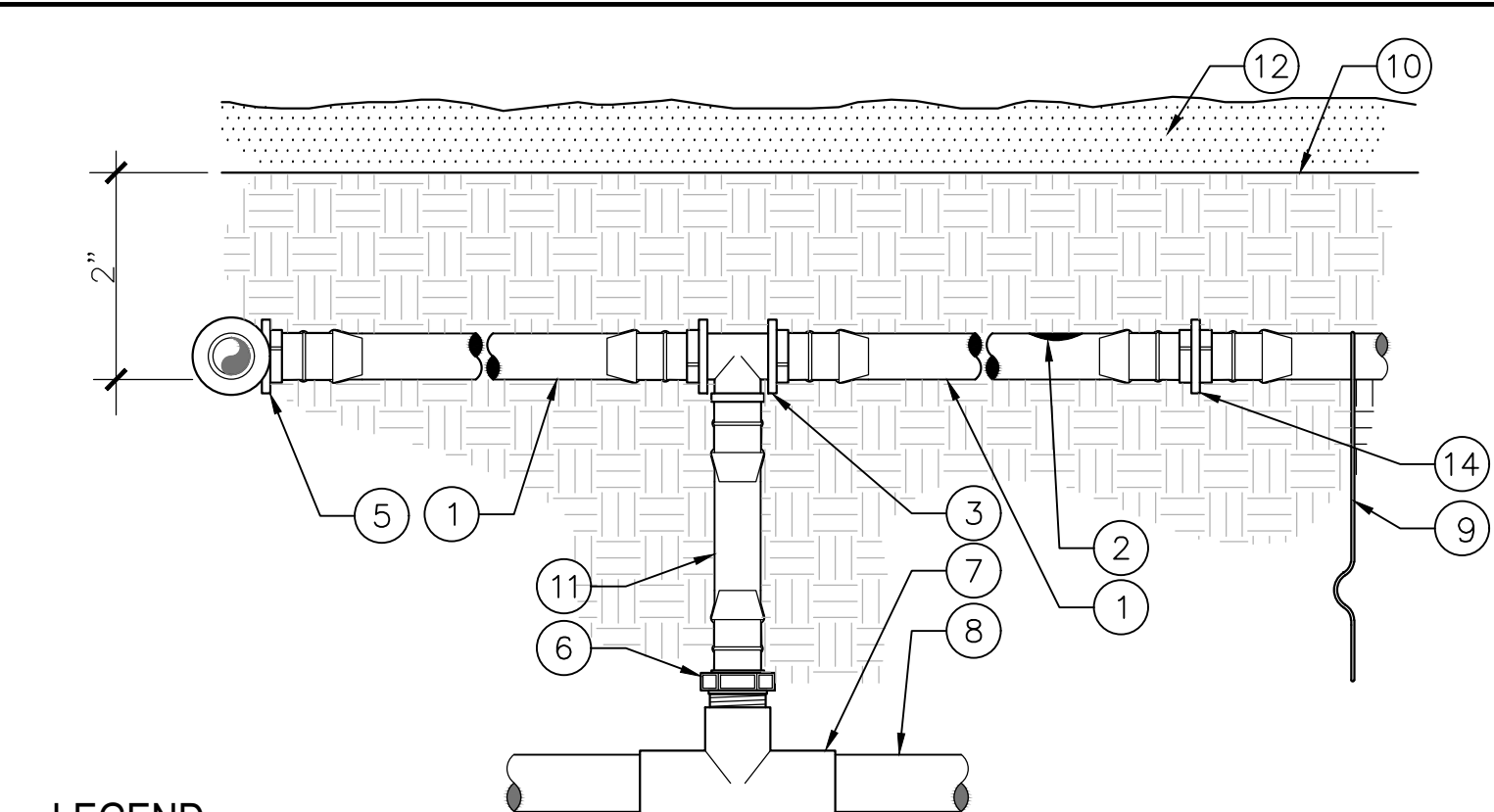
**NOTE:**

1. IF PUTTING LANDSCAPE DRIPLINE UNDER SOIL, DO NOT BURY MORE THAN 4" BELOW GRADE AND INCLUDE AIR RELIEF VALVE

**DRIPLINE BELOW GRADE**

SCALE: No Scale

L-753



**LEGEND**

1. SUB-SURFACE DRIPLINE. RAIN BIRD XFS SERIES DRIPLINE FOR POTABLE WATER.
2. INLINE DRIP EMITTER OUTLET. SEE PLANS FOR DRIPLINE OUTLET SPACING.
3. BARB TEE 17mm X 17mm X 17mm RAIN BIRD XFF-TEE.
4. BARB COUPLING 17mm X 17mm. RAIN BIRD XFF-COUP.
5. BARB ELBOW 17mm X 17mm. RAIN BIRD SFF-ELBOW.
6. BARB MALE ADAPTER. 17mm X 1/2" MPT, RAIN BIRD SFF-MA-050 OR 17mm X 3/4" MPT, RAIN BIRD SFF-MA-075.
7. SCH 40 PVC TEE SIXVIT.
8. SCH 40 PVC LATERAL SUPPLY HEADER.
9. TIE DOWN STAKE. RAIN BIRD TDS-050 WITH BEND, TYPICAL.
10. FINISH GRADE.
11. RAIN BIRD SF SERIES BLANK TUBING. LENGTH AS REQUIRED.
12. MULCH LAYER AS SPECIFIED IN PLANTING PLANS.

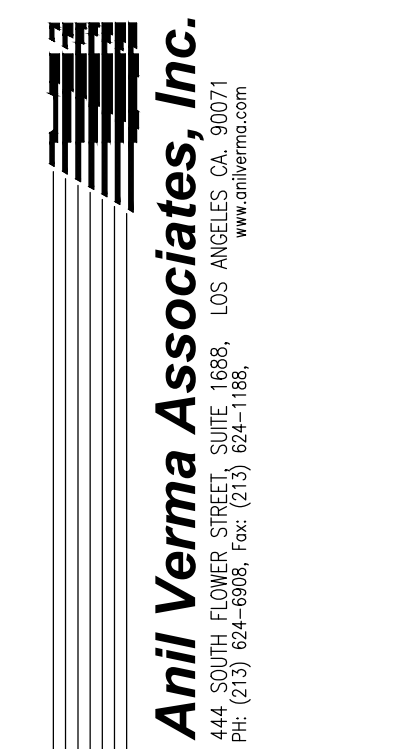
**NOTES**

1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY MAXIMUM, AND AT AT FITTING WHERE THERE IS A CHANGE IN DIRECTION.  
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION, INSTALLING THE DOWN STAKE 6" FROM FITTING.  
3. USE THE RAIN BIRD FITTING-TOOL XF INSERTION TOOL FOR FITTING ASSEMBLY.

**DRIPLINE RISER ASSEMBLY**

SCALE: No Scale

L-753

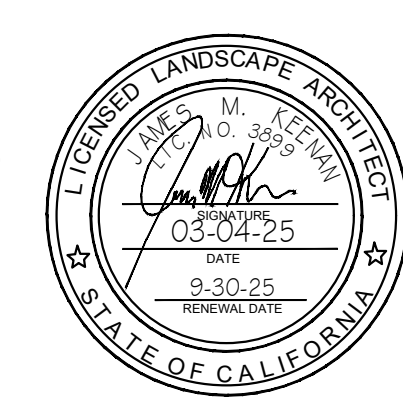


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DATE	ISSUE FOR BID
03/04/2024	

**GOLETA TRAIN DEPOT**  
27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
CITY OF GOLETA  
130 CREMONA DRIVE, STE B, GOLETA, CA 93117

ISSUED AS  
03/04/2024  
ISSUE DATE  
SHEET 50 OF 235



PLAN CHECK #CIP-9079  
**L753**  
2019-GTD  
VARIES  
IFB SUBMITTAL  
ISSUED AS  
03/04/2024  
ISSUE DATE  
SHEET 50 OF 235

INVIATION FOR BID 03-04-2024

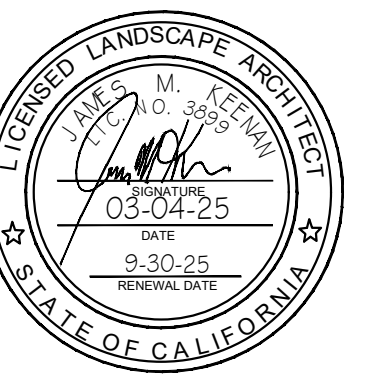


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DATE	REVISION
03/04/2024	
	ISSUE FOR BID

**GOLETA TRAIN DEPOT**  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE E, GOLETA, CA 93117

ISSUED FOR BID  
**Planting Plan**  
 Sheet 1 of 2



PLAN CHECK #CIP-9079  
**L801**  
 2019-GTD  
 1" = 10'-0"  
 IFB SUBMITTAL  
 ISSUED AS 03/04/2024  
 SHEET 52 OF 235

**LEGEND:**

SYMBOL	COMMON NAME
	COBBLE MIX (BIO-RETENTION)
	BOULDER (REFER TO BOULDER SCHEDULE)
	EXISTING GROUND COVER AND IRRIGATION (PROTECT IN PLACE)
	MISCELLANEOUS ROOT CONTROL BARRIER, SEE L1001
	DECOMPOSED GRANITE, SEE SIMILAR L602
	REFER TO CIVIL DRAWINGS FOR BIORETENTION CONSTRUCTION REQUIREMENTS

**TREE LEGEND (SEE L800 FOR COMPLETE LEGEND):**

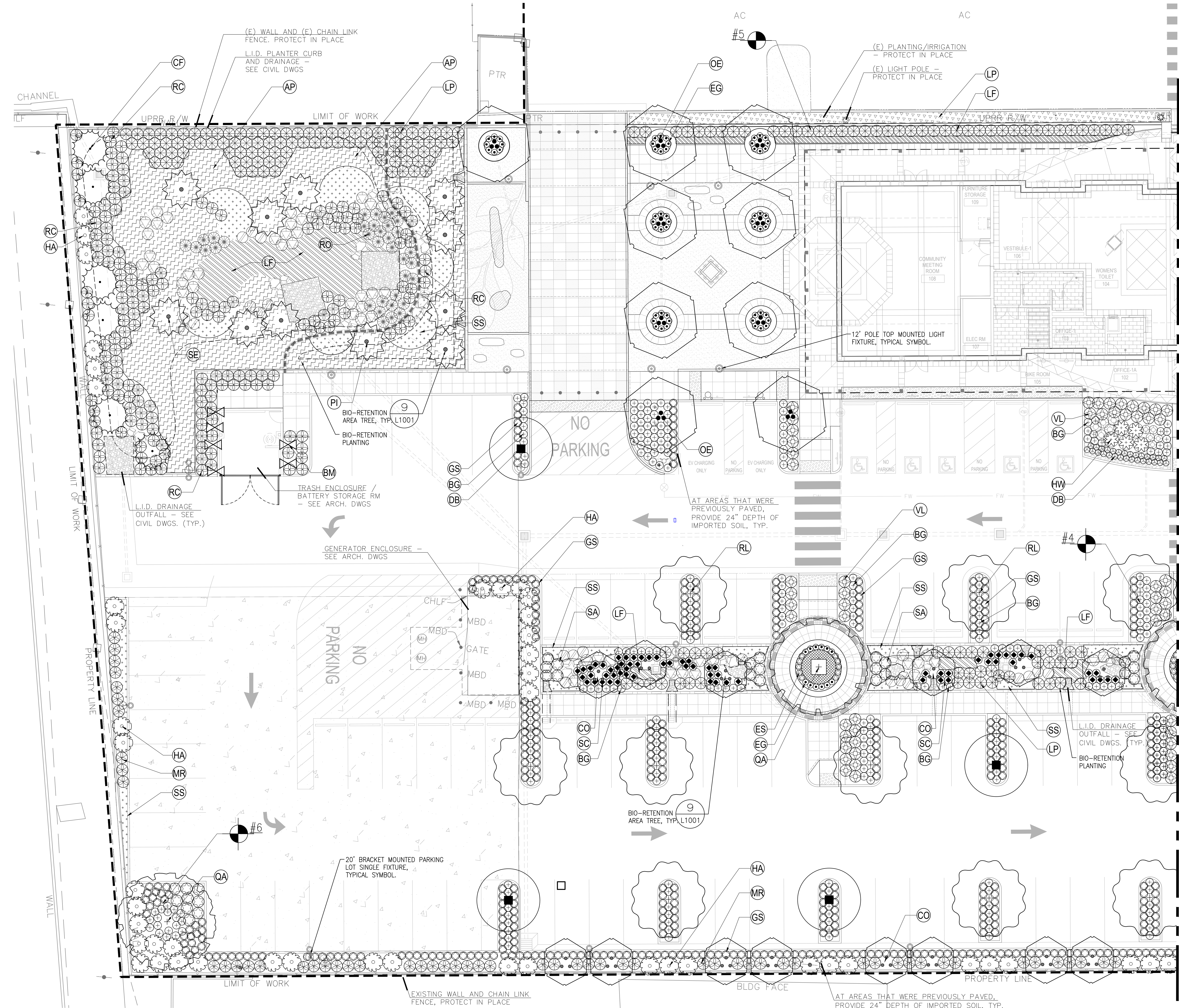
SYMBOL	BOTANICAL NAME
	CO Cercis occidentalis
	OE Olea europaea - Fruitless
	CF Cupressus forbesii
	PI Prunus ilicifolia
	QA Quercus agrifolia
	RL Rhus lancea
	SE Sequoia sempervirens 'Aptus Blue'
	KB Koeleria bipinnata
	LC Lophostemon confertus

**NOTES**

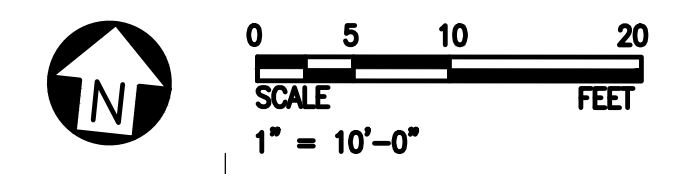
- REFER TO SHEET L800 FOR PLANTING NOTES AND LEGENDS.
- REFER TO SHEET L1001 FOR TYPICAL PLANTING DETAILS.
- CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ALL EXISTING SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A LICENSED LAND SURVEYOR AND THE APPROPRIATE CORNER RECORD MUST BE FILED WITH THE COUNTY.
- DO NOT INSTALL PLANT SPECIES TALLER THAN 24 INCHES AT MATURITY WITHIN SIGHT TRIANGLES.
- REFER TO CIVIL DRAWINGS FOR CLOSEST CONNECTION FOR TREE SUB DRAINAGE TIE-INS.

**SOIL TESTING**

- SEE SPECIFICATIONS.
  - CONDUCT ON-SITE SOIL TESTS AT LOCATIONS SHOWN ON DRAWINGS WITH THIS SYMBOL:
- CONDUCT 2 TESTS PER LOCATION:
- SAMPLE TAKEN FROM FINISH GRADE SURFACE
  - SAMPLE TAKEN FROM AN 18" SOIL DEPTH
- FOR IMPORTED SOIL, CONDUCT 2 (TWO) TESTS PER SOURCE.



**PLANTING PLAN**  
 SCALE 1" = 10'-0"



**CALL BEFORE YOU DIG**  
 UNDERGROUND SERVICE ALERT  
 Call: TOLL FREE 1-800-227-2600  
 03/04/2024  
 TWO WORKING DAYS BEFORE YOU DIG

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INVITATION FOR BID 03-04-2024

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DATE	REVISION
03/04/2024	ISSUE FOR BID

GOLETA TRAIN DEPOT  
 27 SOUTH LA PATERA LANE, GOLETA, CA 93117  
 CITY OF GOLETA  
 130 CREMONA DRIVE, STE B, GOLETA, CA 93117

Planting Plan  
 Sheet 2 of 2



PLAN CHECK #CIP-9079  
**L802**  
 2019-GTD  
 1" = 10'-0"  
 IFB SUBMITTAL  
 ISSUED AS 03/04/2024  
 SHEET 53 OF 235

**LEGEND:**

SYMBOL	COMMON NAME	
	COBBLE MIX (BIO-RETENTION);	
	BOULDER (REFER TO BOULDER SCHEDULE)	3 L602
	EXISTING GROUND COVER AND IRRIGATION (PROTECT IN PLACE)	
<b>MISCELLANEOUS</b>		
	ROOT CONTROL BARRIER, SEE	7 L1001
	DECOMPOSED GRANITE, SEE SIMILAR	1 L602
	REFER TO CIVIL DRAWINGS FOR BIORETENTION CONSTRUCTION REQUIREMENTS	

**TREE LEGEND (SEE L800 FOR COMPLETE LEGEND):**

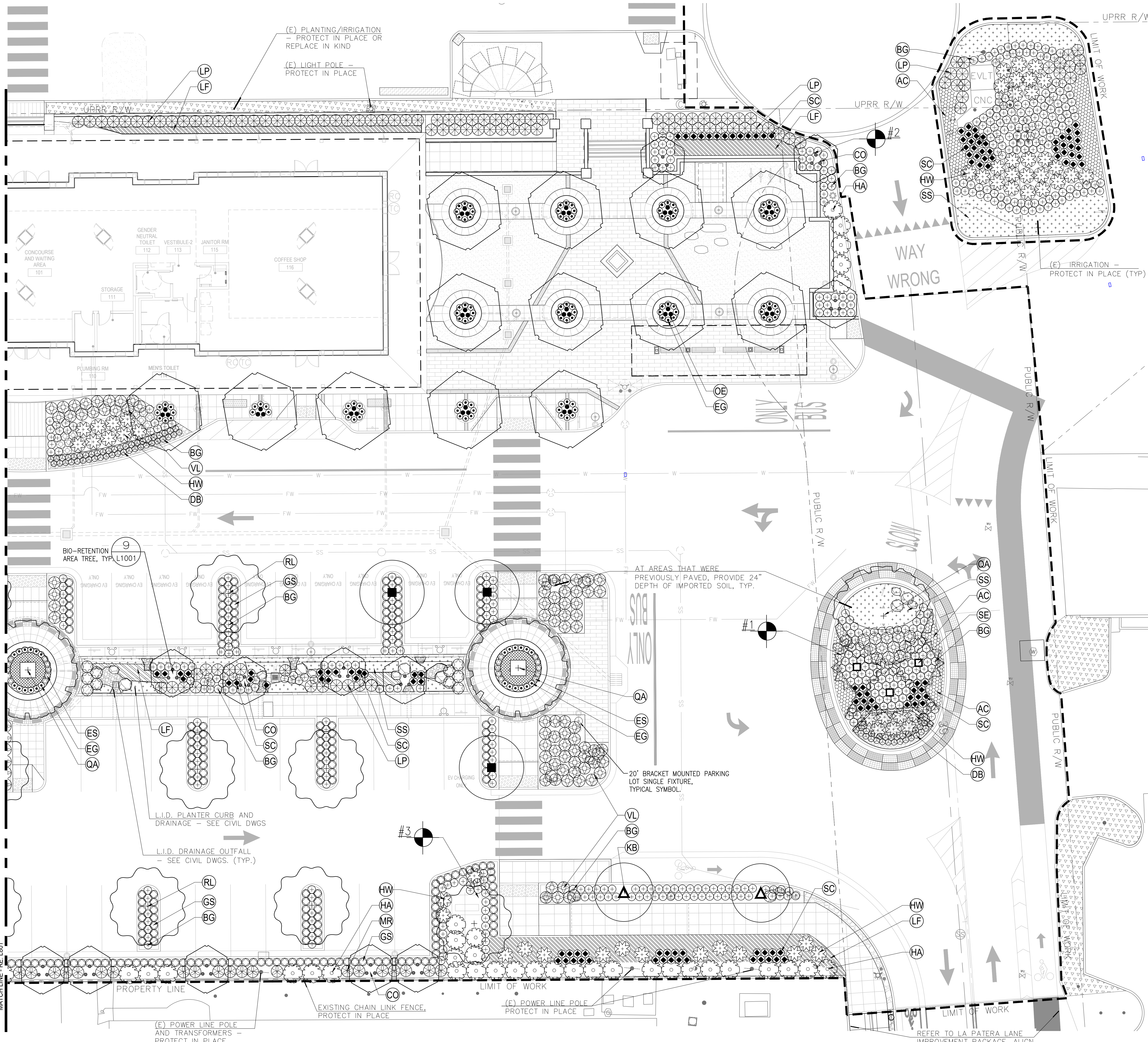
SYMBOL	BOTANICAL NAME
	CO Cercis occidentalis
	OE Olea europaea - Fruitless
	CF Cupressus forbesii
	PI Prunus ilicifolia
	QA Quercus agrifolia
	RL Rhus lancea
	SE Sequoia sempervirens 'Aptos Blue'
	KB Koeleria bipinnata
	LC Lophostemon confertus

**NOTES**

- REFER TO SHEET L800 FOR PLANTING NOTES AND LEGENDS.
- REFER TO SHEET L1001 FOR TYPICAL PLANTING DETAILS.
- CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ALL EXISTING SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A LICENSED LAND SURVEYOR AND THE APPROPRIATE CORNER RECORD MUST BE FILED WITH THE COUNTY.
- DO NOT INSTALL PLANT SPECIES TALLER THAN 24 INCHES AT MATURITY WITHIN SIGHT TRIANGLES.
- REFER TO CIVIL DRAWINGS FOR CLOSEST CONNECTION FOR TREE SUB DRAINAGE TIE-INS.

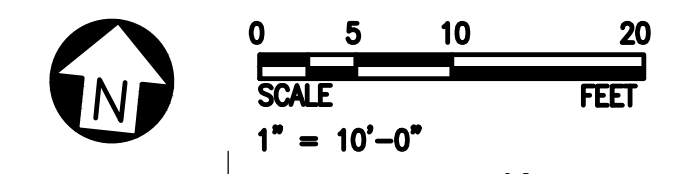
**SOIL TESTING**

- SEE SPECIFICATIONS.
  - CONDUCT ON-SITE SOIL TESTS AT LOCATIONS SHOWN ON DRAWINGS WITH THIS SYMBOL:
- CONDUCT 2 TESTS PER LOCATION:  
 1) SAMPLE TAKEN FROM FINISH GRADE SURFACE  
 2) SAMPLE TAKEN FROM AN 18" SOIL DEPTH
- FOR IMPORTED SOIL, CONDUCT 2 (TWO) TESTS PER SOURCE.



**PLANTING PLAN**  
 SCALE 1" = 10'-0"

A B C D E F G H I J K



**CALL BEFORE YOU DIG**  
 Underground Service Alert  
 Call: TOLL FREE 1-800-227-2600  
 TWO WORKING DAYS BEFORE YOU DIG

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INVITATION FOR BID 03-04-2024

