



CONSTRUCTION PLANS FOR

GLORYA JEAN TATE PARK IMPROVEMENTS,

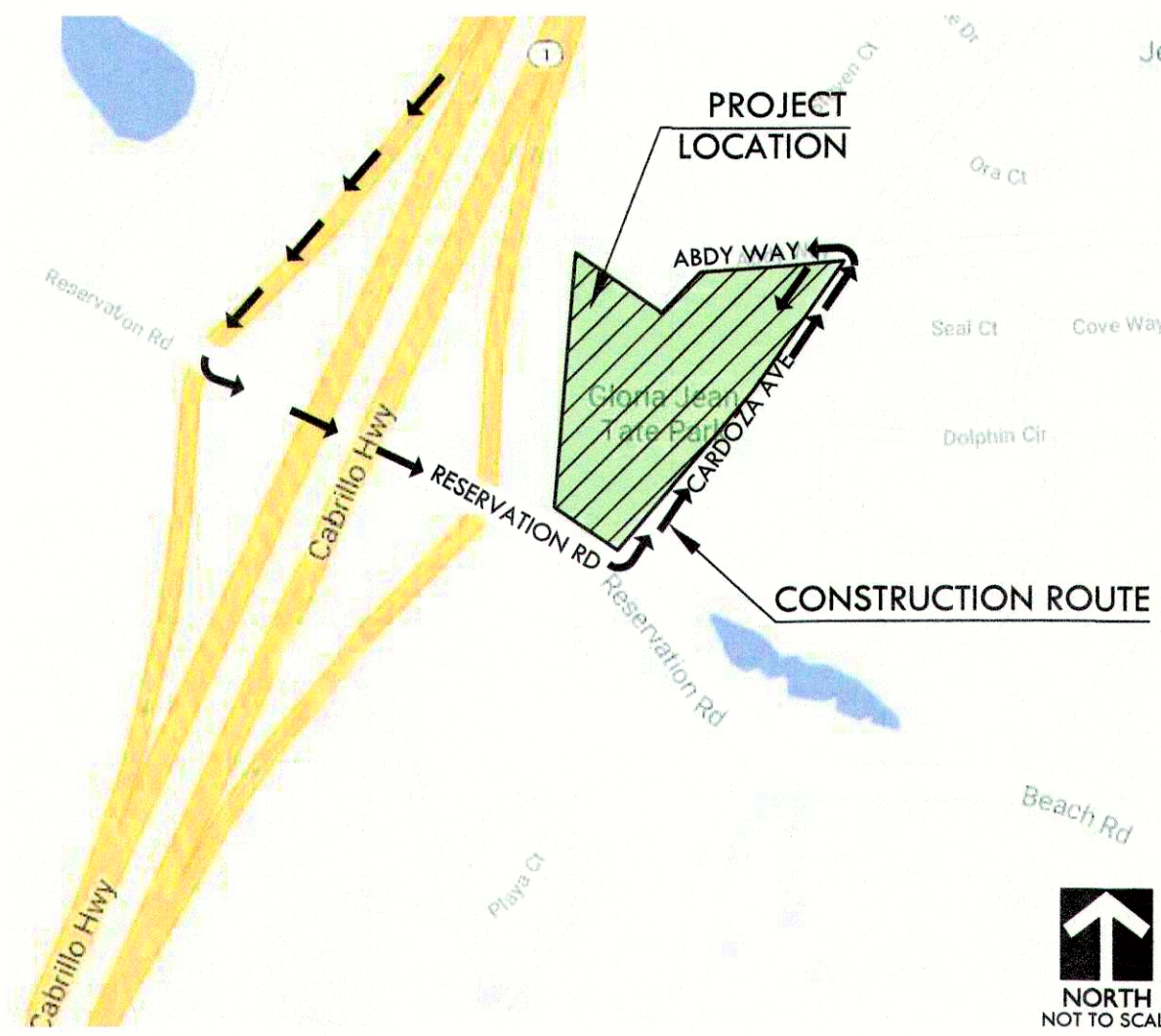
PHASE 2, PROJECT NUMBER: QLP2119

FOR USE IN CONJUNCTION WITH THE PROJECT PLANS SPECIFICATIONS, THE STANDARD DETAILS OF THE CITY OF MARINA, THE CALIFORNIA BUILDING CODE, THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DATED 2018, AND RELATED LOCAL CODES.

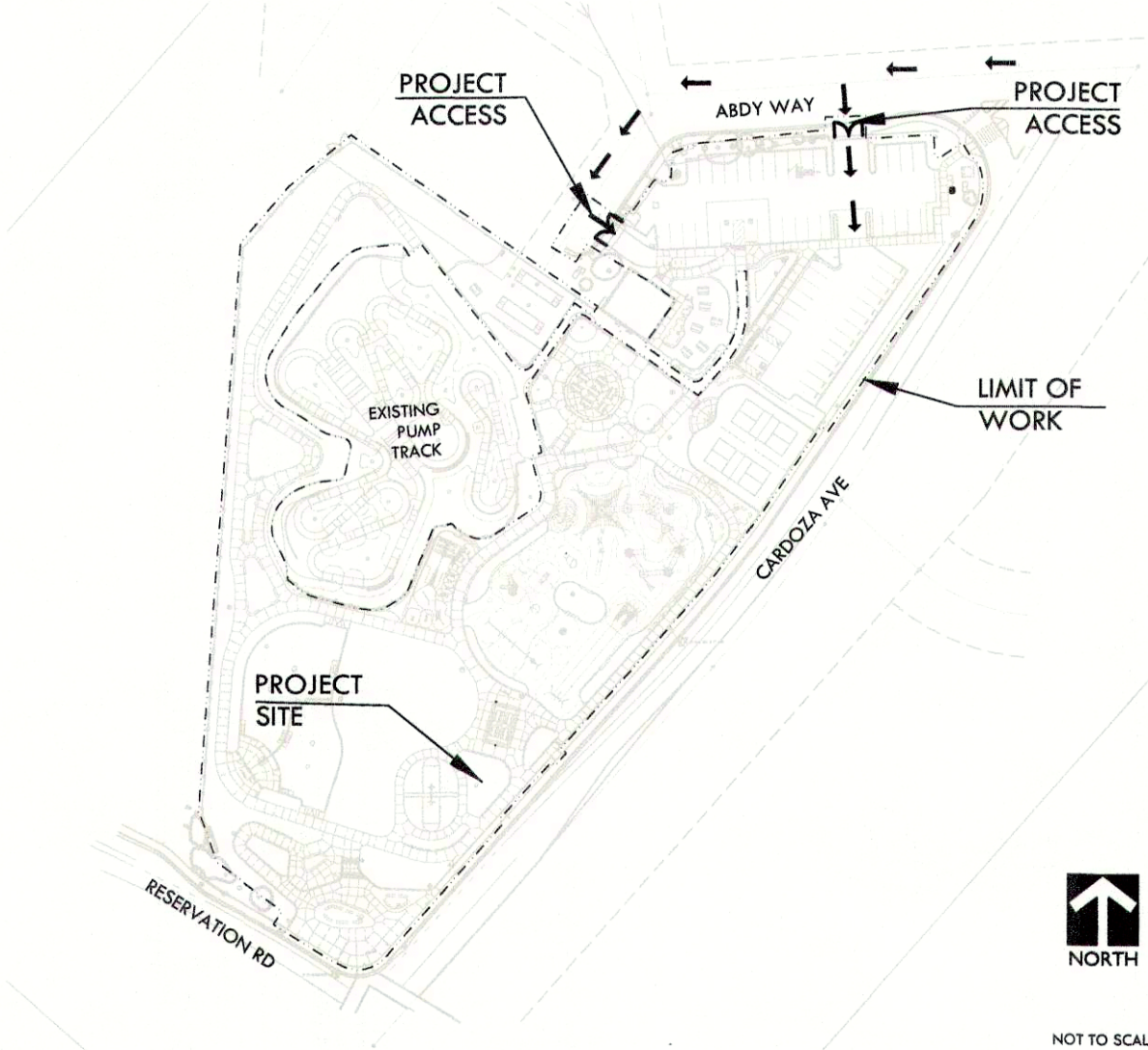


CITY OF MARINA

DEPARTMENT OF PUBLIC WORKS



VICINITY MAP



SITE MAP / CONSTRUCTION ROUTE

PREPARED BY

VERDE DESIGN
LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN
2455 The Alameda
Santa Clara, CA 95050
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275 Tennant Avenue, Ste. 204
Morgan Hill, California 95037
ph: 408.978.1970
web: AKHSE.com



CONTACT INFORMATION

ORGANIZATION	NAME	PHONE
OWNER THE CITY OF MARINA	ANDREA WILLER ELVIE CAMACHO	(831) 884-1231 (831) 772-5263
LANDSCAPE ARCHITECT/CIVIL ENGINEER VERDE DESIGN INC.	DEREK MCKEE DANIEL COLLAZOS DAN LIAO	(408) 850-3410 (408) 850-3423 (408) 850-3464
ELECTRICAL ENGINEER AMERICAN CONSULTING ENGINEERS ELECTRICAL, INC.	SAMMY FERNANDEZ ARIEL ALVAREZ	(408) 236-2312 (408) 236-2312
STRUCTURAL ENGINEER AKH STRUCTURAL ENGINEERS, INC.	TIM HYDE	(408) 978-1970

PROJECT GOAL

THE GOAL OF THIS PROJECT IS TO COMPLETE THE GLORYA JEAN TATE PARK IMPROVEMENTS LOCATED AT 3254 ABDY WAY, MARINA, CA93933

SCOPE OF WORK

PROJECT SCOPE SHALL CONSIST OF, BUT NOT BE LIMITED TO, THE DEMOLITION OF EXISTING PLAYGROUND, CHAIN LINK FENCING, CONCRETE STAIRS, ASPHALT PAVING, INFIL FINES, IRRIGATION, AND CLEAR AND GRUB. CONTRACTOR SHALL COMPLETE EARTHWORK AND GRADING OPERATIONS, THE INSTALLATION OF STORM DRAINAGE UTILITIES, UNDERGROUND DOMESTIC WATER, SANITARY SEWER, NEW CONCRETE PAVING, PICNIC AREAS, DOG PARK, PLAYGROUND, BALL COURTS, PAVILIONS, SITE FURNISHINGS, SIGNAGE, IRRIGATION, AND LANDSCAPING. CONTRACTOR SHALL COORDINATE ALL WORKS WITH THE CITY'S REPRESENTATIVE AND OTHER CONTRACTOR.

NOTE:
1. THE INSTALLATIONS OF PLAYGROUND EQUIPMENT AND SURFACING ARE NOT INCLUDED IN THIS CONTRACT. INSTALLATION BY OTHERS. CONTRACTOR SHALL COORDINATE WORK WITH THE PLAY EQUIPMENT INSTALLATION CONTRACTOR.

SHEET INDEX

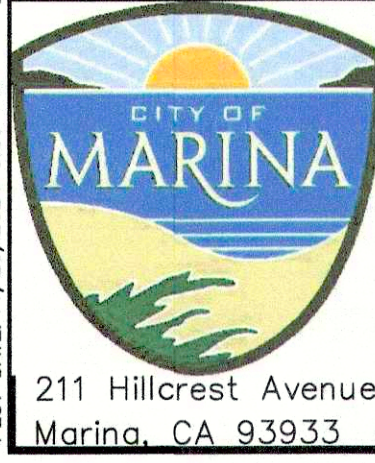
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PLAYGROUND AND FITNESS AREA PLANS - FOR INFORMATION ONLY AND NOT INCLUDED IN THIS CONTRACT

BASIS OF BEARINGS
BASIS OF BEARINGS = (N34° 23' 43"E 373.89' R1)
N34° 23' 43"E 373.95'

SITE BENCHMARK
SITE BENCHMARK: CONTROL POINT S1 IN THE ASPHALT PARKING AREA NEAR ABDY WAY.

FILE NAME: CRV.DWG
PLOT DATE: 11/25/2024 3:08 PM
BY: STATION41



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

Approved for Construction:
Layne Long
Layne Long, City Manager
Date _____

SCALE: SEE PLAN

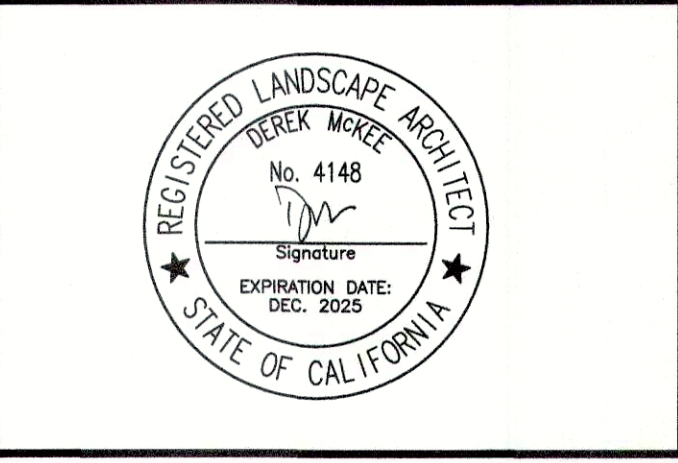
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

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VERDE DESIGN

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Santa Clara, CA 95050
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GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

COVER SHEET
T0.0

DESIGNED BY VERDE	DRAWN BY VERDE	CHECKED BY DFC/DM	JOB NUMBER QLP2119	SHEET 1	OF 45
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BID SUBMITTAL - 2024/11/06

GENERAL NOTES

1.

A MINIMUM OF 72 HOURS BEFORE TO BID OPENING, THE GENERAL CONTRACTOR SHALL VISIT & INSPECT THE SITE & FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AFFECTING THE NEW WORK. THE GENERAL CONTRACTOR SHALL NOT DISPUTE, COMPLAIN OR ASSERT THAT THERE IS ANY MISUNDERSTANDING IN REGARDS TO LOCATION, EXTENT, NATURE OR AMOUNT OF WORK TO BE PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S FAILURE TO INSPECT THE SITE. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OF ANY CONDITIONS, REQUIRING WORK, WHICH ARE NOT COVERED IN THE CONTRACT DOCUMENTS.
2.

NO CONSTRUCTION SHALL COMMENCE WITHOUT THE OFFICIAL NOTICE TO PROCEED FROM THE OWNER.
3.

THE GENERAL CONTRACTOR & SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES IN ALL AREAS OF NEW WORK PRIOR TO COMMENCEMENT OF EXCAVATION. EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE ROUTING LOCATIONS AS BEST DETERMINED FROM EXISTING DRAWINGS AND THE OWNER, BUT SHOULD NOT BE CONSTRUED TO REPRESENT ALL OF THE EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES THAT MAY BE AFFECTED BY NEW FACILITIES IN THIS CONTRACT. VERIFY ACTUAL LOCATION AND DEPTH OF UTILITIES, AND REPORT POTENTIAL CONFLICTS TO THE OWNER REPRESENTATIVE PRIOR TO EXCAVATING FOR NEW FACILITIES.
4.

CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PROTECT ALL EXISTING UTILITIES WHETHER SHOWN OR NOT, IN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES CAUSED BY ITS OPERATIONS.
5.

THE CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS WITHIN SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR ALL DAMAGED AREAS EQUAL OR BETTER THAN TO THEIR ORIGINAL CONDITION AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER REPRESENTATIVE.
6.

DIMENSIONS AND LOCATIONS OF EXISTING FACILITIES ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY CONTRACTOR. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
7.

ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CBC BUILDING CODE, CBC PLUMBING CODE, CBC FIRE CODE AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES, AS WELL AS ADAPTED STANDARDS.
8.

ALL NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH, AND AS A SUPPLEMENT TO, THE WRITTEN SPECIFICATIONS AND DETAILS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
9.

THIS DRAWING SET SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, CONTRACT DOCUMENTS, AND PER CALTRANS SPECIFICATIONS, 2018 EDITION.
10.

DIMENSIONS ON WORKING DRAWINGS GOVERN. DO NOT SCALE DRAWINGS.
11.

ALL TYPICAL DETAILS SHALL APPLY UNLESS NOTED OTHERWISE.
12.

CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL AND KEEP SEDIMENTS AND DEBRIS OFF THE PUBLIC RIGHT-OF-WAY AND DRAIN INLETS AT ALL TIMES.
13.

ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE SECTIONS OF CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION. NO TRENCHES SHALL BE LEFT OPEN DURING NON-WORKING HOURS.
14.

ANY ALTERATIONS OF EXISTING FACILITIES TO ACCOMMODATE THE INSTALLATION OF NEW WORK SHALL BE REVIEWED BY THE OWNER REPRESENTATIVE PRIOR TO COMMENCING WORK.
15.

CONTRACTOR SHALL COORDINATE ALL WORK TO AVOID DISTURBING EXISTING ACTIVITIES ADJACENT TO THE SITE WITHIN THE PARK. ANY DISRUPTION OF THE UTILITIES MUST BE COORDINATED AND APPROVED BY THE OWNER AND INSPECTOR OF RECORD PRIOR TO COMMENCING WORK.
16.

ALL TEMPORARY WORK TO FACILITATE CONSTRUCTION SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
17.

THE PLANS AND SPECIFICATIONS DO NOT UNDERTAKE TO SHOW OR LIST EVERY ITEM TO BE PROVIDED, BUT RATHER TO DEFINE THE REQUIREMENTS FOR A FULL AND WORKING SYSTEM FROM THE STANDPOINT OF THE END USER. FOR THIS REASON, WHEN AN ITEM NOT SHOWN OR LISTED IS CLEARLY NECESSARY FOR PROPER CONTROL/OPERATION OF EQUIPMENT WHICH IS SHOWN OR LISTED, PROVIDE AN ITEM WHICH WILL ALLOW THE SYSTEM TO FUNCTION PROPERLY AT NO INCREASE IN PRICE.
18.

ALL CONTRACTORS SHALL REMOVE TRASH AND DEBRIS STEMMING FROM THEIR WORK ON A DAILY BASIS. PROJECT SITE SHALL BE MAINTAINED IN A CLEAN AND ORDERLY CONDITION.
19.

THE DETAILS REFLECT THE DESIGN INTENT FOR TYPICAL CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND SHALL INCLUDE, IN HIS SCOPE, THE COST FOR COMPLETE FINISHED INSTALLATIONS, INCLUDING ANOMALIES, OF ALL TRADES.
20.

NO WORK SHALL COMMENCE WITH UNAPPROVED MATERIALS. ANY WORK DONE WITH UNAPPROVED MATERIALS AND EQUIPMENT IS AT THE CONTRACTOR'S RISK AND IS SUBJECT TO REJECTION AND REPLACEMENT. SEE SPECIFICATIONS FOR SUBMITTAL AND SUBSTITUTION REQUIREMENTS.
21.

CONSTRUCTION MATERIALS STORED ON THE SITE SHALL BE PROPERLY STACKED AND PROTECTED SO AS TO PREVENT DAMAGE OR DETERIORATION UNTIL USED. FAILURE IN THIS REGARD MAY BE CAUSE FOR REJECTION OF MATERIAL AND/OR WORK.
22.

ALL EQUIPMENT SHALL BE FABRICATED FROM FIELD VERIFIED DIMENSIONS AND APPROVED SHOP DRAWINGS. COORDINATE MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT.
23.

CONTRACTOR SHALL PERFORM THEIR CONSTRUCTION AND OPERATIONS IN A MANNER WHICH WILL NOT ALLOW POLLUTANTS TO ENTER THE STORM DRAIN SYSTEM. TO ENSURE COMPLIANCE, THE PROJECT HAS A SWPPP (STORMWATER POLLUTION PREVENTION PLAN/EROSION SEDIMENT CONTROL PLAN) WHICH THE CONTRACTOR SHALL ADHERE TO AND ABIDE BY C35 MRP AND THE CONSTRUCTION GENERAL PERMIT.
24.

CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION FENCING PER CONTRACT DOCUMENTS TO SERVE LIMIT OF WORK AREAS. FENCING MAY BE ADJUSTED DURING CONSTRUCTION BASED ON CONSTRUCTION SEQUENCE OR OWNER REPRESENTATIVE'S DIRECTION.
25.

OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT IN THE STREET RIGHT-OF-WAY SHALL NOT BE PERMITTED.
26.

THE PUMP TRACK, PORTION OF THE PARKING LOT AND THE BOY SCOUT BUILDING WILL BE OPERATIONAL DURING CONSTRUCTION. CONTRACTOR SHALL PHASE WORK TO ACCOMMODATE ENTRY TO THESE FACILITIES. CONTRACTOR SHALL SUBMIT CONSTRUCTION PHASING PLAN FOR CITY APPROVAL BEFORE START OF WORK.

APPLICABLE CODES

1.

2022 CBC CHAPTER 35: PROVIDE ALL THE APPLICABLE/ADOPTED STANDARDS. WHERE A PARTICULAR STANDARD IS REFERENCED IN THE CODE BUT DOES NOT APPEAR AS AN ADOPTED STANDARD IT MAY STILL BE USED. APPLY ONLY THE PORTION OF THE STANDARD THAT IS APPLICABLE TO THE CODE SECTION WHERE THE STANDARD IS REFERENCED, NOT THE ENTIRE STANDARD.

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2018 INTERNATIONAL BUILDING CODE VOLUMES 1-2)
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2017 NATIONAL ELECTRICAL CODE)
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
(2018 UNIFORM MECHANICAL CODE)
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2018 UNIFORM PLUMBING CODE)
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2018 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R.
(2018 INTERNATIONAL EXISTING BUILDING CODE)
2021 CALIFORNIA "GREEN" BUILDING REQUIREMENTS OR CAL GREEN, PART 11, TITLE 24 C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
2022 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

LIST OF FEDERAL CODES AND STANDARDS (IF APPLICABLE)
AMERICANS WITH DISABILITIES ACT (ADA), TITLE II OR TITLE III
FOR TITLE II: UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS)
OR ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 35)
FOR TITLE III: ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)
2010 AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN

28 CFR 35.151(C)
28 CFR 36.406

NOTE: TITLE II APPLIES TO PROJECTS FUNDED AND/OR USED BY STATE AND LOCAL GOVERNMENT SERVICES. TITLE III COVERS PUBLIC ACCOMMODATIONS AND COMMERCIAL FACILITIES. DEPENDING ON THE USE AND FUNDING, BOTH TITLE MAY APPLY TO THE PROJECT.

NFPA 13
NFPA 14
NFPA 17
NFPA 17A
NFPA 20
NFPA 24
NFPA 72
NFPA 253
NFPA 2001
ASME 17.1

AUTOMATIC SPRINKLER SYSTEMS
STANDPIPE SYSTEMS
DRY CHEMICAL EXTINGUISHING SYSTEMS
WET CHEMICAL EXTINGUISHING SYSTEMS
STATIONARY FIRE PUMPS
PRIVATE FIRE SERVICE MAINS
NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED)
(NOTE SEE UL STANDARD 1971 FOR "VISUAL DEVICES")
CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS
CLEAN AGENT FIRE EXTINGUISHING SYSTEMS
ELEVATOR STANDARD

2022 EDITION
2022 EDITION
2021 EDITION
2021 EDITION
2022 EDITION
2022 EDITION
2022 EDITION
2023 EDITION
2022 EDITION
2019 EDITION

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS - 2022 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35

ADA STANDARD FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

2.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. 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, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.

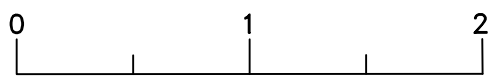


211 Hillcrest Avenue
Marina, CA 93933

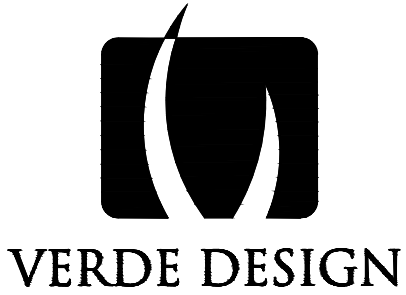
CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS



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LANDSCAPE ARCHITECTURE
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GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

GENERAL NOTES
TO.1

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
VERDE	VERDE	DFC/DM	QLP2119	2	45

VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: _CRV.DWG
PLOT DATE: 11/25/2024 3:09 PM
BY: STATION41

BD SUBMITTAL - 2024/11/08

NOTES:

THIS ILLUSTRATIVE PLAN IS FOR VISUAL INFORMATION ONLY, USE CONSTRUCTION SHEETS FOR EXECUTION OF WORK.

DETAIL 1
USE SIDEWALK AND CROSSWALKS TO GLORYA JEAN TATE PARK

DETAIL 2
USE SIDEWALK AND CROSSWALKS TO GLORYA JEAN TATE PARK

PHASE ONE - PUMP TRACK

HORSESHOE CORNHOLE

PHASE ONE WORK

RAMP

(E) BUILDING

PICNIC

DOG PARK

OPEN TURF AREA

EXERCISE AREA

PLAY AREA

BASKETBALL COURT

PICKLEBALL COURTS (2)

PARKING LOT EXTENSION

ENTRY PLAZA

CARDOZA AVE ACCESS

CARDOZA AVE PARALLEL PARKING (6 SPACES)

CARDOZA AVE PARALLEL PARKING (19 SPACES)

INSTALL PATH OF TRAVEL SIGN, SEE DETAIL 1

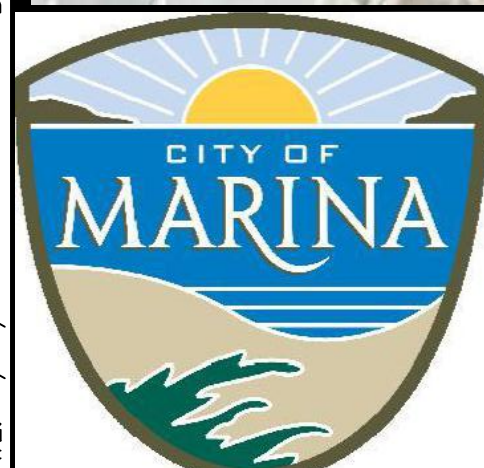
CARDOZA AVE 45° PARKING (15 SPACES)

INSTALL PATH OF TRAVEL SIGN, SEE DETAIL 2

NORTH

Project Numbers: 2207300
May 21, 2024

0' 10' 20' 40' 60'



211 Hillcrest Avenue
Marina, CA 93933

CITY OF MARINA

DEPARTMENT OF PUBLIC WORKS

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
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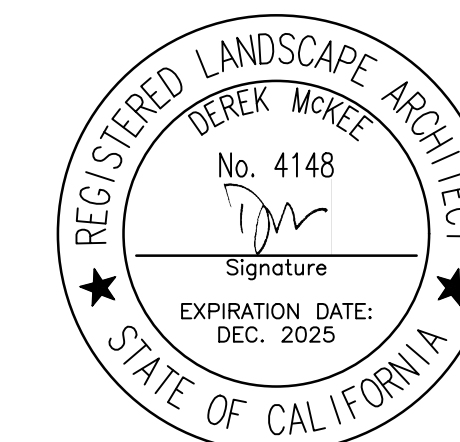
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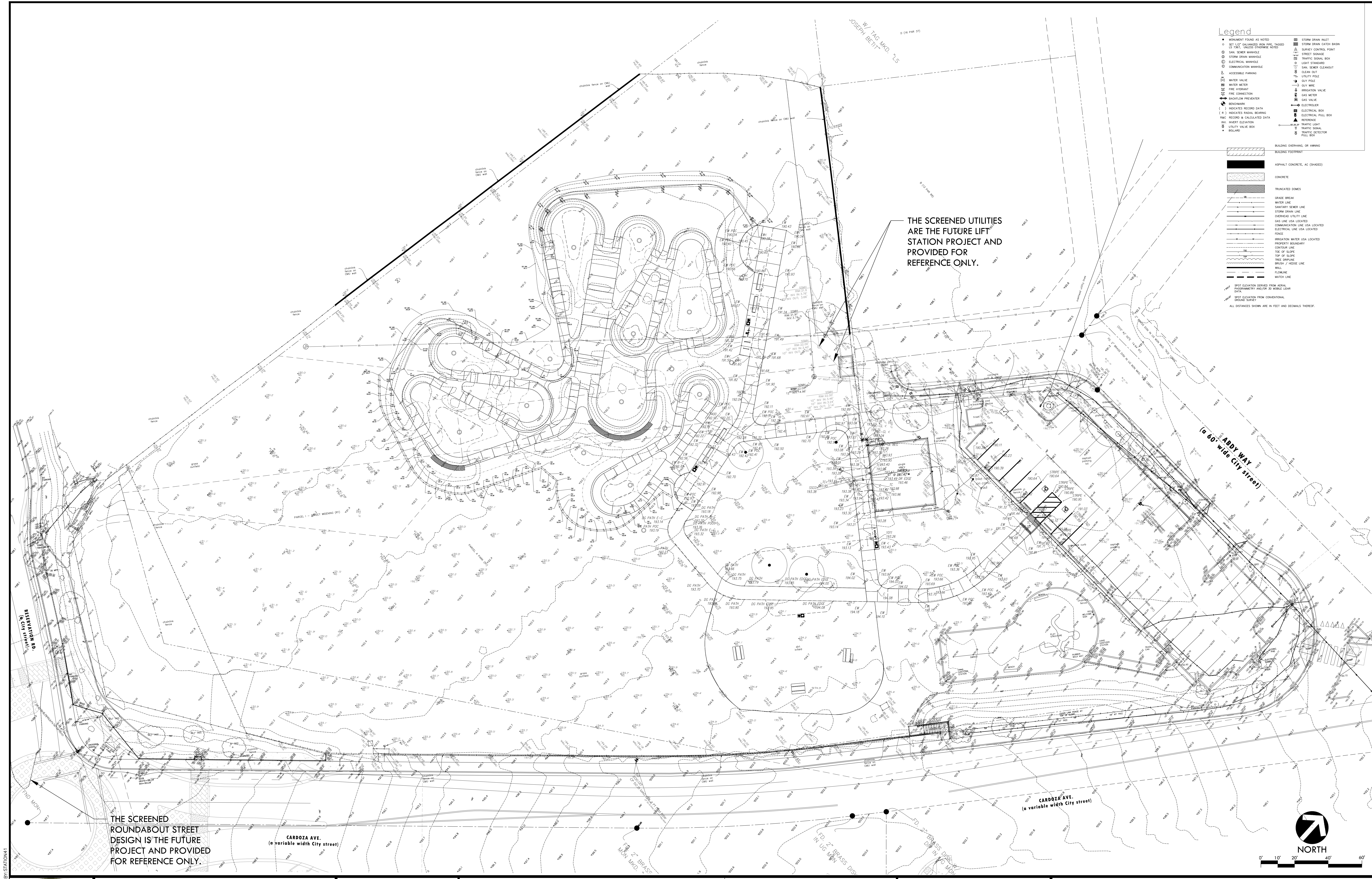
ILLUSTRATIVE PLAN
TO.2

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
VERDE	AZ	DFC/DM	QLP2119	3	45

VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: CRV.DWG
PLOT DATE: 11/25/2024 3:10 PM
BY: STATION41

BD SUBMITTAL - 2024/11/08



- Legend**
- MONUMENT FOUND AS NOTED
 - 1/2" GALVANIZED IRON PIPE, TAGGED
 - SAN. SEWER MANHOLE
 - STORM DRAIN MANHOLE
 - ELECTRICAL MANHOLE
 - COMMUNICATION MANHOLE
 - ACCESSIBLE PARKING
 - WATER VALVE
 - WATER METER
 - FIRE HYDRANT
 - FIRE CONNECTION
 - BAZOOKA/FLY PROTECTOR
 - BENCHMARK
 - INDICATES RECORD DATA
 - INDICATES RADIAL BEARING
 - RECORD & CALCULATED DATA
 - INVERT ELEVATION
 - UTILITY VALVE BOX
 - ROLLROAD
 - STORM DRAIN INLET
 - STORM DRAIN CATCH BASIN
 - SURVEY CONTROL POINT
 - STREET DRAINAGE
 - TRAFFIC SIGNAL BOX
 - LIGHT STANDARDS
 - SAN. SEWER CLEANOUT
 - CLEAN OUT
 - UTILITY POLE
 - GUY POLE
 - GUY WIRE
 - IRRIGATION VALVE
 - GAS METER
 - GAS VALVE
 - ELECTRICIAN
 - ELECTRICAL BOX
 - ELECTRICAL PULL BOX
 - REFERENCE
 - TRAFFIC LIGHT
 - TRAFFIC SIGNAL
 - TRAFFIC DETECTOR
 - TRAIL BOX
 - BUILDING OVERHANG, OR AIRING
 - BUILDING FOOTPRINT
 - ASPHALT CONCRETE, AC (SHADED)
 - CONCRETE
 - TRUNCATED DOWNS
 - GRADE BREAK
 - WATER LINE
 - SANITARY SEWER LINE
 - STORM DRAIN LINE
 - OVERHEAD UTILITY LINE
 - GAS LINE USA LOCATED
 - COMMUNICATION LINE USA LOCATED
 - ELECTRICAL LINE USA LOCATED
 - FENCE
 - IRRIGATION WATER USA LOCATED
 - PROPERTY BOUNDARY
 - CONTOUR LINE
 - TOP OF SLOPE
 - TOP OF SLOPE
 - THREE OFFSHORE
 - BRUSH / HEDGE LINE
 - WALL
 - FLOWLINE
 - WATCH LINE
 - SPOT ELEVATION DERIVED FROM AERIAL PHOTOGRAPHY AND/OR 3D MOBILE SCAN
 - SPOT ELEVATION FROM CONVENTIONAL GROUND SURVEY
 - ALL DISTANCES SHOWN ARE IN FEET AND DECIMALS THEREOF.

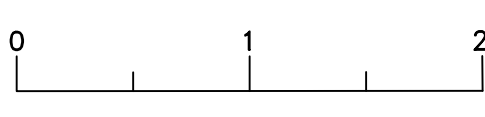


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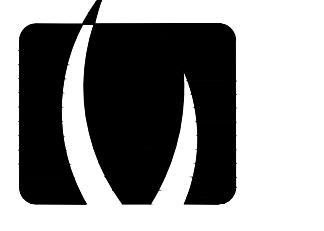
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GLORJA JEAN TATE PARK IMPROVEMENTS
PHASE 2

EXISTING CONDITIONS PLAN
LO.1

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
IFLAND/MPE	IFLAND/MPE	DFC/DM	QLP2119	4	45

VERDE DESIGN, INC. PROJECT NO. 2207300

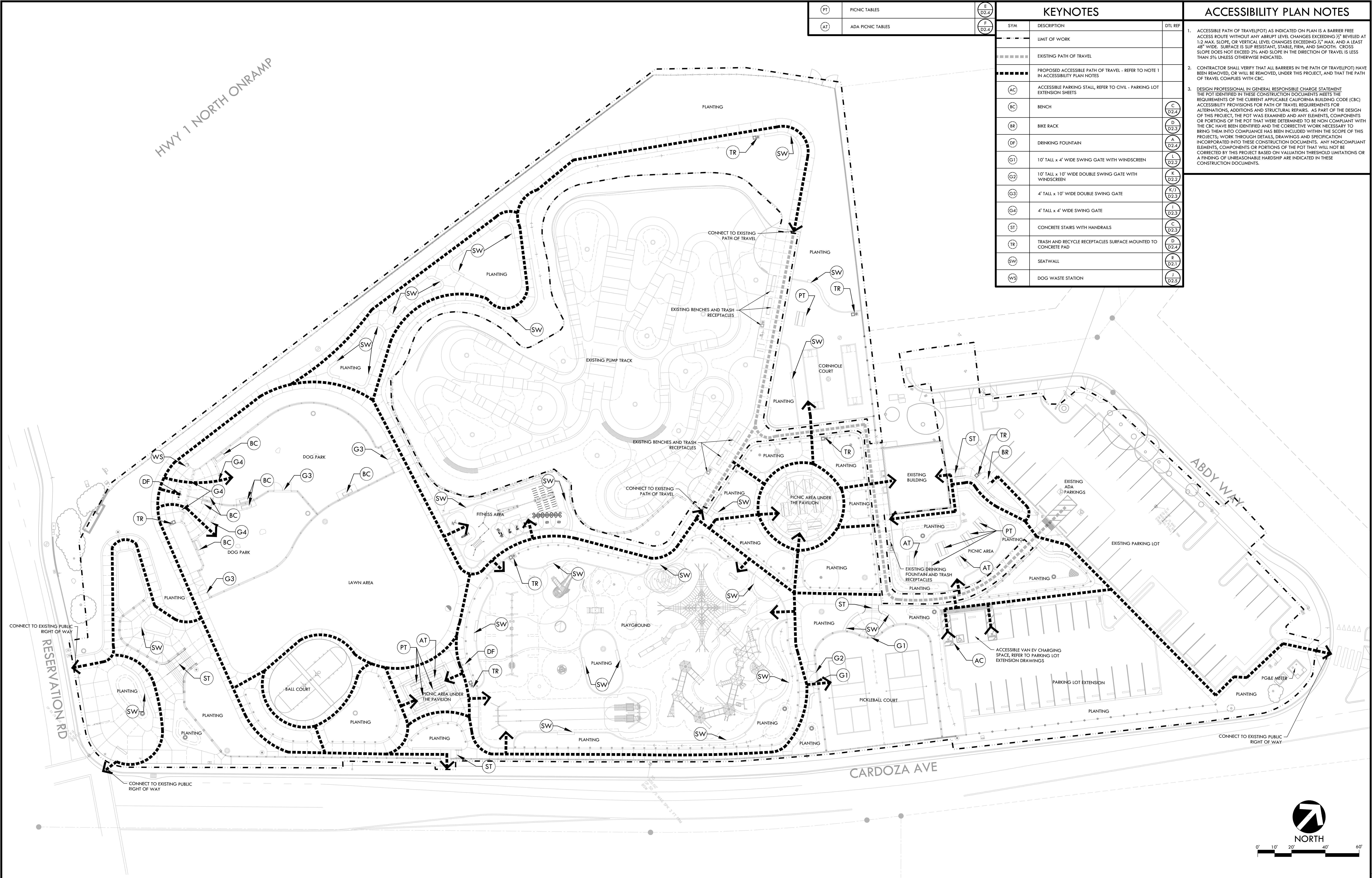
FILE NAME: EXC.DWG
PLOT DATE: 11/8/2024 4:02 PM

BD SUBMITTAL - 2024/11/08

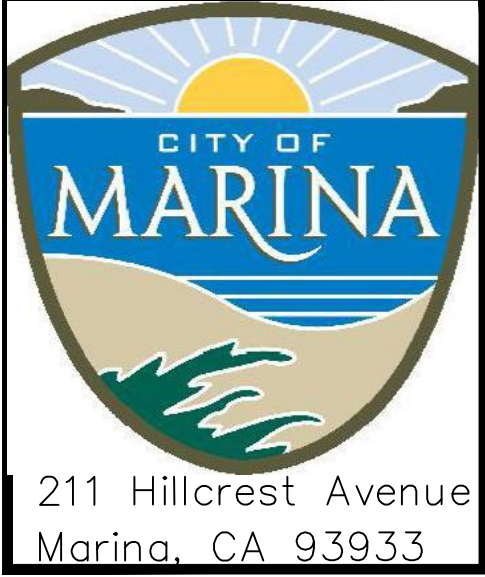
PT	PICNIC TABLES	1	D2.4
AT	ADA PICNIC TABLES	1	D2.4

KEYNOTES		
SYM	DESCRIPTION	DTL REF
---	LIMIT OF WORK	
-----	EXISTING PATH OF TRAVEL	
-----	PROPOSED ACCESSIBLE PATH OF TRAVEL - REFER TO NOTE 1 IN ACCESSIBILITY PLAN NOTES	
AC	ACCESSIBLE PARKING STALL, REFER TO CIVIL - PARKING LOT EXTENSION SHEETS	
BC	BENCH	C D2.4
BR	BIKE RACK	D D2.3
DF	DRINKING FOUNTAIN	A D2.5
G1	10' TALL x 4' WIDE SWING GATE WITH WINDSCREEN	L D2.2
G2	10' TALL x 10' WIDE DOUBLE SWING GATE WITH WINDSCREEN	K D2.2
G3	4' TALL x 10' WIDE DOUBLE SWING GATE	K/J D2.3
G4	4' TALL x 4' WIDE SWING GATE	I D2.3
ST	CONCRETE STAIRS WITH HANDRAILS	C D2.5
TR	TRASH AND RECYCLE RECEPTACLES SURFACE MOUNTED TO CONCRETE PAD	D D2.4
SW	SEATWALL	R D2.1
WS	DOG WASTE STATION	J D2.5

- ACCESSIBILITY PLAN NOTES**
- ACCESSIBLE PATH OF TRAVEL (POT) AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/8" REVEALED AT 1/2" MAX. SLOPE, OR VERTICAL LEVEL CHANGES EXCEEDING 3/4" MAX. AND A LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED.
 - CONTRACTOR SHALL VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL (POT) HAVE BEEN REMOVED, OR WILL BE REMOVED, UNDER THIS PROJECT, AND THAT THE PATH OF TRAVEL COMPLIES WITH CBC.
 - DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERNATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS. WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATION INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.



FILE NAME: ACC.DWG
PLOT DATE: 11/25/2024 3:05 PM
BY: STATION41



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

211 Hillcrest Avenue
Marina, CA 93933

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

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**LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN**

2455 The Alameda
Santa Clara, CA 95050
tel: 408.985.7200
fax: 408.985.7260
www.VerdeDesignInc.com



**GLORIJIA JEAN TATE PARK IMPROVEMENTS
PHASE 2**

**ACCESSIBILITY PLAN
L1.1**

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
DL	DL	DFC/DM	QLP2119	5	45

VERDE DESIGN, INC. PROJECT NO. 2207300

BD SUBMITTAL - 2024/11/08

HWY 1 NORTH ONRAMP

EROSION AND SEDIMENT CONTROL NOTES

1. EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED DURING FIRST WEEK OF CONSTRUCTION.
2. EROSION AND SEDIMENT CONTROL SHALL REMAIN AND MAINTAIN THROUGHOUT CONSTRUCTION AND BE REMOVED AND DISPOSED OF DURING MAINTENANCE PERIOD.
3. EROSION AND SEDIMENT CONTROL MAY BE ADJUSTED THROUGH CONSTRUCTION WITH APPROVAL OR AS DIRECTED BY DISTRICT'S REPRESENTATIVE.
4. CONTRACTOR SHALL SWEEP STREETS AND PARKING AREAS AFFECTED BY CONSTRUCTION WITH STREET SWEEPER AS REQUIRED TO KEEP PAVING CLEAN OF CONSTRUCTION DEBRIS.
5. THE EXISTING PUMP TRACK AND SCOUT BUILDING REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR TO LOCATE AND ADJUST THE CONSTRUCTION FENCE ACCORDINGLY.

EROSION AND SEDIMENT CONTROL LEGEND

SYM	DESCRIPTION	DTL REF
	FILTER FABRIC TO BE SECURELY ATTACHED TO DRAINAGE STRUCTURE TOP (EXISTING AND PROPOSED) AND PERIMETER WADGLE	D DT.1
	LIMIT OF WORK	
	CONSTRUCTION FENCING, REFER TO SPECIFICATIONS.	
	SEDIMENT RETENTION FILTER	C DT.1
	CONSTRUCTION CONCRETE WASHOUT FACILITY - PROVIDE A WASHOUT BIN FOR CONSTRUCTION WASHOUT AND REMOVE AT END OF CONSTRUCTION.	A DT.1
	CONSTRUCTION STAGING AREA	B DT.1
	RUMBLE PLATE CONSTRUCTION ENTRY	
	DIRECTION OF SURFACE FLOW	
	CONSTRUCTION EQUIPMENT HAUL ROUTE / ACCESS - REFER TO COVER SHEET, SHEET C0.0 FOR TRUCK ROUTE MAP	



CONTRACTOR TO USE EXISTING CHAIN LINK FENCE AS CONSTRUCTION FENCING TO ENCLOSE THE SITE DURING THE CONSTRUCTION, TYP.

CONTRACTOR SHALL INSTALL THE CONSTRUCTION FENCE, MAINTAIN ACCESS TO A PORTION OF EXISTING PARKING LOT, AND ADJUST IT ACCORDINGLY TO FULLY ENCLOSE THE LOT DURING PARKING LOT IMPROVEMENT WORK.

FILE NAME: ESCP.DWG
PLOT DATE: 11/25/2024 3:23 PM
BY: STATION41



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: SEE PLAN
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS
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**LANDSCAPE ARCHITECTURE
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Santa Clara, CA 95050
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fax: 408.985.7260
www.VerdeDesignInc.com



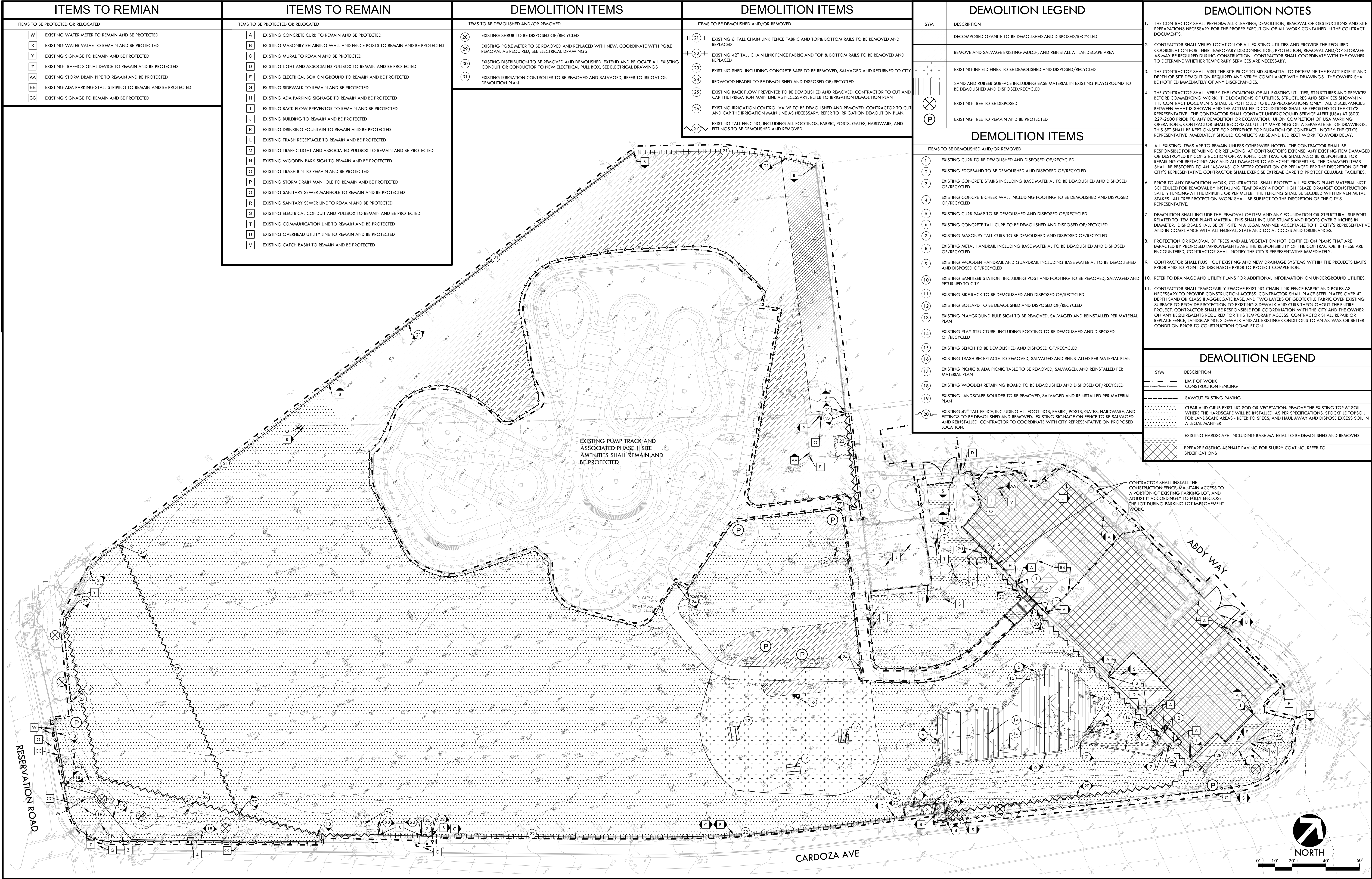
**GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2**

**EROSION AND SEDIMENT CONTROL PLAN
L2.1**

DESIGNED BY DL	DRAWN BY DL	CHECKED BY DFC/DM	JOB NUMBER QLP2119	SHEET 6	OF 45
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VERDE DESIGN, INC. PROJECT NO. 2207300

BD SUBMITTAL - 2024/11/08



DEMOLITION ITEMS

ITEMS TO BE DEMOLISHED AND/OR REMOVED

28

EXISTING SHRUB TO BE DISPOSED OF/RECYCLED

29

EXISTING PG&E METER TO BE REMOVED AND REPLACED WITH NEW. COORDINATE WITH PG&E REMOVAL AS REQUIRED, SEE ELECTRICAL DRAWINGS

30

EXISTING DISTRIBUTION TO BE REMOVED AND DEMOLISHED. EXTEND AND RELOCATE ALL EXISTING CONDUIT OR CONDUCTOR TO NEW ELECTRICAL PULL BOX, SEE ELECTRICAL DRAWINGS

31

EXISTING IRRIGATION CONTROLLER TO BE REMOVED AND SALVAGED, REFER TO IRRIGATION DEMOLITION PLAN

DEMOLITION ITEMS

ITEMS TO BE DEMOLISHED AND/OR REMOVED

21

EXISTING 6' TALL CHAIN LINK FENCE FABRIC AND TOP& BOTTOM RAILS TO BE REMOVED AND REPLACED

22

EXISTING 42" TALL CHAIN LINK FENCE FABRIC AND TOP & BOTTOM RAILS TO BE REMOVED AND REPLACED

23

EXISTING SHED INCLUDING CONCRETE BASE TO BE REMOVED, SALVAGED AND RETURNED TO CITY

24

REDWOOD HEADER TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

25

EXISTING BACK FLOW PREVENTOR TO BE DEMOLISHED AND REMOVED. CONTRACTOR TO CUT AND CAP THE IRRIGATION MAIN LINE AS NECESSARY, REFER TO IRRIGATION DEMOLITION PLAN

26

EXISTING IRRIGATION CONTROL VALVE TO BE DEMOLISHED AND REMOVED. CONTRACTOR TO CUT AND CAP THE IRRIGATION MAIN LINE AS NECESSARY, REFER TO IRRIGATION DEMOLITION PLAN

27

EXISTING TALL FENCING, INCLUDING ALL FOOTINGS, FABRIC, POSTS, GATES, HARDWARE, AND FITTINGS TO BE DEMOLISHED AND REMOVED.

DEMOLITION LEGEND

SYM DESCRIPTION

DECOMPOSED GRANITE TO BE DEMOLISHED AND DISPOSED/RECYCLED

REMOVE AND SALVAGE EXISTING MULCH, AND REINSTALL AT LANDSCAPE AREA

EXISTING INFELD FINES TO BE DEMOLISHED AND DISPOSED/RECYCLED

SAND AND RUBBER SURFACE INCLUDING BASE MATERIAL IN EXISTING PLAYGROUND TO BE DEMOLISHED AND DISPOSED/RECYCLED

EXISTING TREE TO BE DISPOSED

EXISTING TREE TO REMAIN AND BE PROTECTED

DEMOLITION ITEMS

ITEMS TO BE DEMOLISHED AND/OR REMOVED

1

EXISTING CURB TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

2

EXISTING EDGE&BAND TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

3

EXISTING CONCRETE STAIRS INCLUDING BASE MATERIAL TO BE DEMOLISHED AND DISPOSED OF/RECYCLED.

4

EXISTING CONCRETE CHEEK WALL INCLUDING FOOTING TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

5

EXISTING CURB RAMP TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

6

EXISTING CONCRETE TALL CURB TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

7

EXISTING MASONRY TALL CURB TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

8

EXISTING METAL HANDRAIL INCLUDING BASE MATERIAL TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

9

EXISTING WOODEN HANDRAIL AND GUARDRAIL INCLUDING BASE MATERIAL TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

10

EXISTING SANITIZER STATION INCLUDING POST AND FOOTING TO BE REMOVED, SALVAGED AND RETURNED TO CITY

11

EXISTING BIKE RACK TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

12

EXISTING BOLLARD TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

13

EXISTING PLAYGROUND RULE SIGN TO BE REMOVED, SALVAGED AND REINSTALLED PER MATERIAL PLAN

14

EXISTING PLAY STRUCTURE INCLUDING FOOTING TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

15

EXISTING BENCH TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

16

EXISTING TRASH RECEPTACLE TO REMOVED, SALVAGED AND REINSTALLED PER MATERIAL PLAN

17

EXISTING PICNIC & ADA PICNIC TABLE TO BE REMOVED, SALVAGED, AND REINSTALLED PER MATERIAL PLAN

18

EXISTING WOODEN RETAINING BOARD TO BE DEMOLISHED AND DISPOSED OF/RECYCLED

19

EXISTING LANDSCAPE BOULDER TO BE REMOVED, SALVAGED AND REINSTALLED PER MATERIAL PLAN

20

EXISTING 42" TALL FENCE, INCLUDING ALL FOOTINGS, FABRIC, POSTS, GATES, HARDWARE, AND FITTINGS TO BE DEMOLISHED AND REMOVED. EXISTING SIGNAGE ON FENCE TO BE SALVAGED AND REINSTALLED. CONTRACTOR TO COORDINATE WITH CITY REPRESENTATIVE ON PROPOSED LOCATION.

DEMOLITION LEGEND

SYM DESCRIPTION

LIMIT OF WORK

CONSTRUCTION FENCING

SAWCUT EXISTING PAVING

CLEAR AND GRUB EXISTING SOD OR VEGETATION. REMOVE THE EXISTING TOP 4" SOIL WHERE THE HARDSCAPE WILL BE INSTALLED, AS PER SPECIFICATIONS. STOCKPILE TOPSOIL FOR LANDSCAPE AREAS - REFER TO SPECS, AND HAUL AWAY AND DISPOSE EXCESS SOIL IN A LEGAL MANNER

EXISTING HARDSCAPE INCLUDING BASE MATERIAL TO BE DEMOLISHED AND REMOVED

PREPARE EXISTING ASPHALT PAVING FOR SLURRY COATING, REFER TO SPECIFICATIONS

EXISTING PUMP TRACK AND ASSOCIATED PHASE 1 SITE AMENITIES SHALL REMAIN AND BE PROTECTED

CONTRACTOR SHALL INSTALL THE CONSTRUCTION FENCE, MAINTAIN ACCESS TO A PORTION OF EXISTING PARKING LOT, AND ADJUST IT ACCORDINGLY TO FULLY ENCLOSE THE LOT DURING PARKING LOT IMPROVEMENT WORK.

ABDY WAY

CARDOZA AVE

RESERVATION ROAD

0' 10' 20' 40' 60'

NORTH

CITY OF MARINA

DEPARTMENT OF PUBLIC WORKS

211 Hillcrest Avenue
Marina, CA 93933

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

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REVISIONS

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LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
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2455 The Alameda
San Jose, CA 95050
tel: 408.985.7200
fax: 408.985.7260
www.VerdeDesignnrc.com

VERDE DESIGN

REGISTERED LANDSCAPE ARCHITECT
DEREK MORKE
No. 4148
Signature
EXPIRATION DATE:
DEC. 2025
STATE OF CALIFORNIA

GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2
DEMOLITION PLAN
L3.1

DESIGNED BY
DL

DRAWN BY
DL/NN

CHECKED BY
DFC/DM

JOB NUMBER
QLP2119

SHEET
7

OF
45

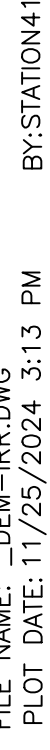
VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: _DEM.DWG
PLOT DATE: 11/21/2024 7:59 AM
BY: STATION41

BD SUBMITTAL - 2024/11/08

10. CONTRACTOR TO SALVAGE ALL IRRIGATION HEADS, VALVES AND VALVE BOXES LOCATED WITHIN THE LIMIT OF WORK. SALVAGED EQUIPMENT WILL BE STORED FOR INSPECTION BY THE CITY. MATERIALS AND EQUIPMENT NOT RETRIEVED BY THE CITY SHALL BE DISPOSED OF/RECYCLED BY THE CONTRACTOR.
11. CONTRACTOR SHALL ADJUST AND INSTALL ALL NECESSARY IRRIGATION EQUIPMENT TO MAINTAIN AREAS BEYOND LIMIT OF WORK WHERE PROPOSED CONSTRUCTION HAS IMPACTED EXISTING IRRIGATION SYSTEMS.
12. IRRIGATION SYSTEM SHOWN IN DIAGRAMMATIC. CONTRACTOR TO FIELD VERIFY LOCATION OF IRRIGATION COMPONENTS AND LINES.
13. EXISTING IRRIGATION SYSTEM OUTSIDE OF LIMIT OF WORK TO REMAIN OPERATING DURING CONSTRUCTION.

	LIMIT OF WORK
	EXISTING IRRIGATION LATERAL LINE TO BE DEMOLISHED AND REMOVED, CONTRACTOR TO CUT AND CAP EXISTING IRRIGATION LATERAL LINE AND ENSURE THE REMAINING IRRIGATION SYSTEM OPERABLE DURING CONSTRUCTION. EXISTING IRRIGATION MAIN LINE TO BE DEMOLISHED AND REMOVED, CONTRACTOR TO CUT AND CAP THE MAIN LINE AND ENSURE THE REMAINING IRRIGATION SYSTEM OPERABLE DURING CONSTRUCTION. EXISTING IRRIGATION MAIN LINE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
	CAPPED EXISTING MAIN LINE
	EXISTING IRRIGATION LATERAL LINE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
	EXISTING IRRIGATION CONTROL VALVE TO BE REMOVED, SALVAGED AND TURNED OVER TO CITY.
	EXISTING IRRIGATION CONTROL VALVE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
	EXISTING GATE VALVE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
	EXISTING BALL VALVE TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
	EXISTING BALL VALVE TO BE REMOVED, SALVAGED AND TURNED OVER TO CITY
	EXISTING QUICK COUPLER TO BE REMOVED, SALVAGED AND TURNED OVER TO CITY
	EXISTING QUICK COUPLER TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.
	EXISTING IRRIGATION HEAD TO BE REMOVED, SALVAGED NO TURNED OVER TO CITY
	EXISTING IRRIGATION HEAD TO REMAIN AND BE PROTECTED DURING CONSTRUCTION.



A horizontal number line with vertical tick marks at 0, 0.5, 1, 1.5, and 2. The numbers 0, 1, and 2 are labeled above the corresponding tick marks.



VERDE DESIGN

IRRIGATION DEMOLITION PLAN
L3.2

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
DL	NN/DL	DFC/DM	QLP2119	8	45

VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: _GRD_C3D.DWG
PLOT DATE: 11/22/2024 12:56 PM
BY: STATION41



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: SEE PLAN

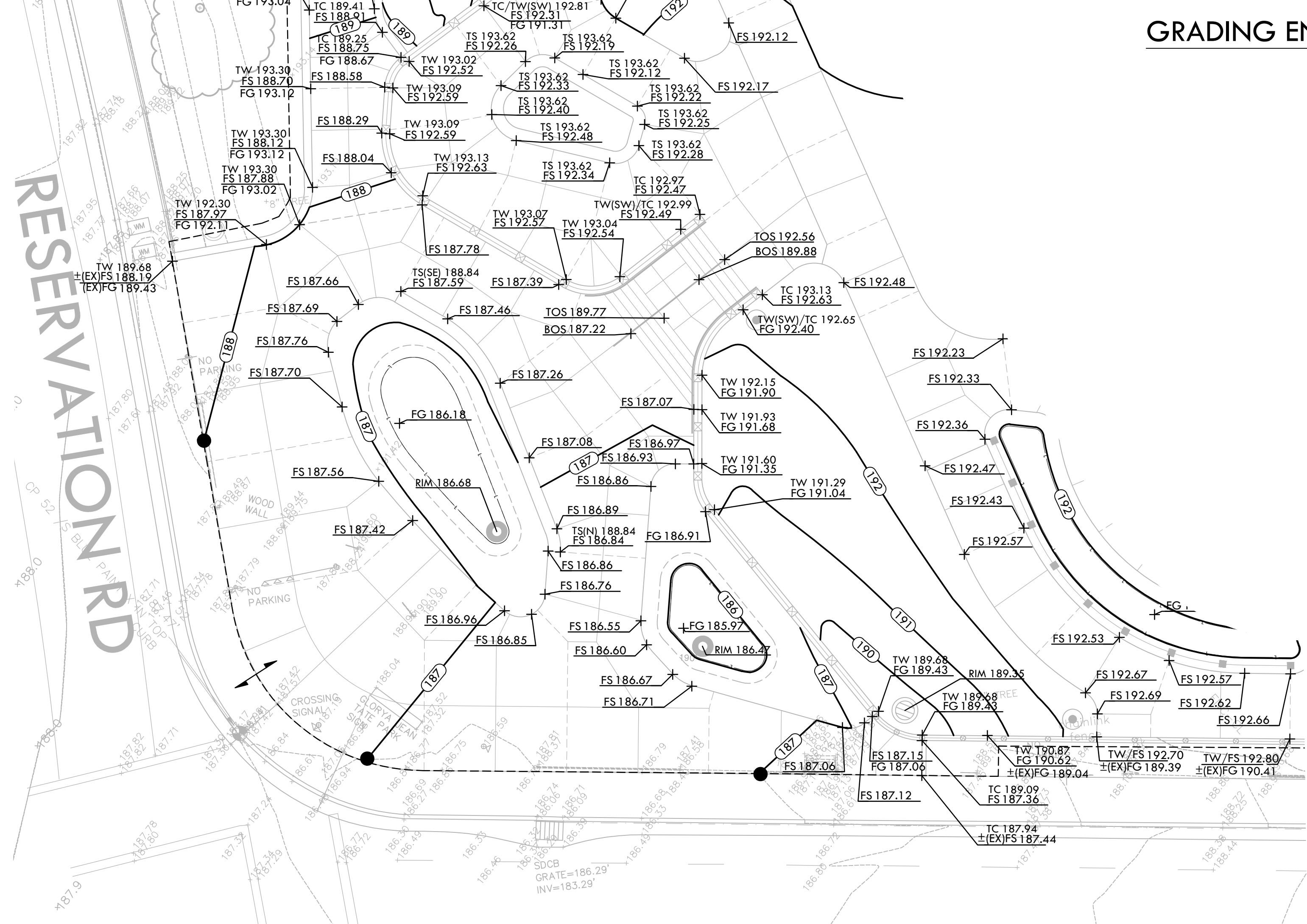
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS



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1. EXISTING GRADES ARE BASED ON INFORMATION PROVIDED BY: IFLAND SURVEY AND PHASE 1 AS-BUILT. CONTRACTOR SHALL VERIFY EXISTING GRADES FOR ACCURACY PRIOR TO THE START OF GRADING, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE AND REDIRECT WORK TO AVOID DELAY.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND CONDUITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF UTILITIES AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDER GROUND SERVICE ALERT (USA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF USE MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF PLANS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
3. PROPOSED GRADES SHALL MEET EXISTING GRADES WITH A SMOOTH AND CONTINUOUS TRANSITION SO AS TO AVOID TRAPPING WATER. CONTRACTOR SHALL NOTIFY CITY REPRESENTATIVE IF PUDDING IS SUSPECTED AND REDIRECT WORK SO AS TO AVOID DELAY WHILE AWAITING RESPONSE.
4. ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS ETC. SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.
5. CONTRACTOR TO GRADE ALL AREAS TO LIMIT OF GRADING LINE.

SYM	DESCRIPTION
	PROPOSED CONTOUR
	PROPOSED SUBGRADE CONTOUR
	TOP OF CURB
	PROPOSED FINISH SURFACE ELEVATION OF HARDSCAPE
	PROPOSED FINISH GRADE ELEVATION OF SOFTSCAPE
	TOP OF RETAINING WALL
	TOP OF SEAT WALL
	BOTTOM OF STAIR ELEVATION
	TOP OF STAIR ELEVATION
	SUBGRADE
	RIDGE LINE
	SUBGRADE RIDGE LINE
	CONTINUOUS LOW POINT
	CENTER LINE OF SWALE WITH FLOW DIRECTION
	LIMIT OF GRADING - CONFORM TO EXISTING GRADES AT THIS LINE
	CONFORM TO EXISTING GRADE
	EXISTING CONTOUR
	EXISTING ELEVATION
	POURED IN PLACE RUBBER RESILIENCE SURFACE
	ENGINEERED WOOD FIBER SURFACE
	DOG PARK SAND SURFACE
	HIGH POINT/HIGH POINT OF SWALE
	LOW POINT/LOW POINT OF SWALE
	SLOPED WALKWAY
	EXISTING
	EAST, WEST, SOUTH, NORTH



ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

[illegible]

GRADING ENLARGEMENTS

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
DL	DL	DFC/DM	QLP2119	10	45

VERDE DESIGN, INC. PROJECT NO. 2207300



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

211 Hillcrest Avenue
Marina, CA 93933

HWY 1 NORTH ONRAMP

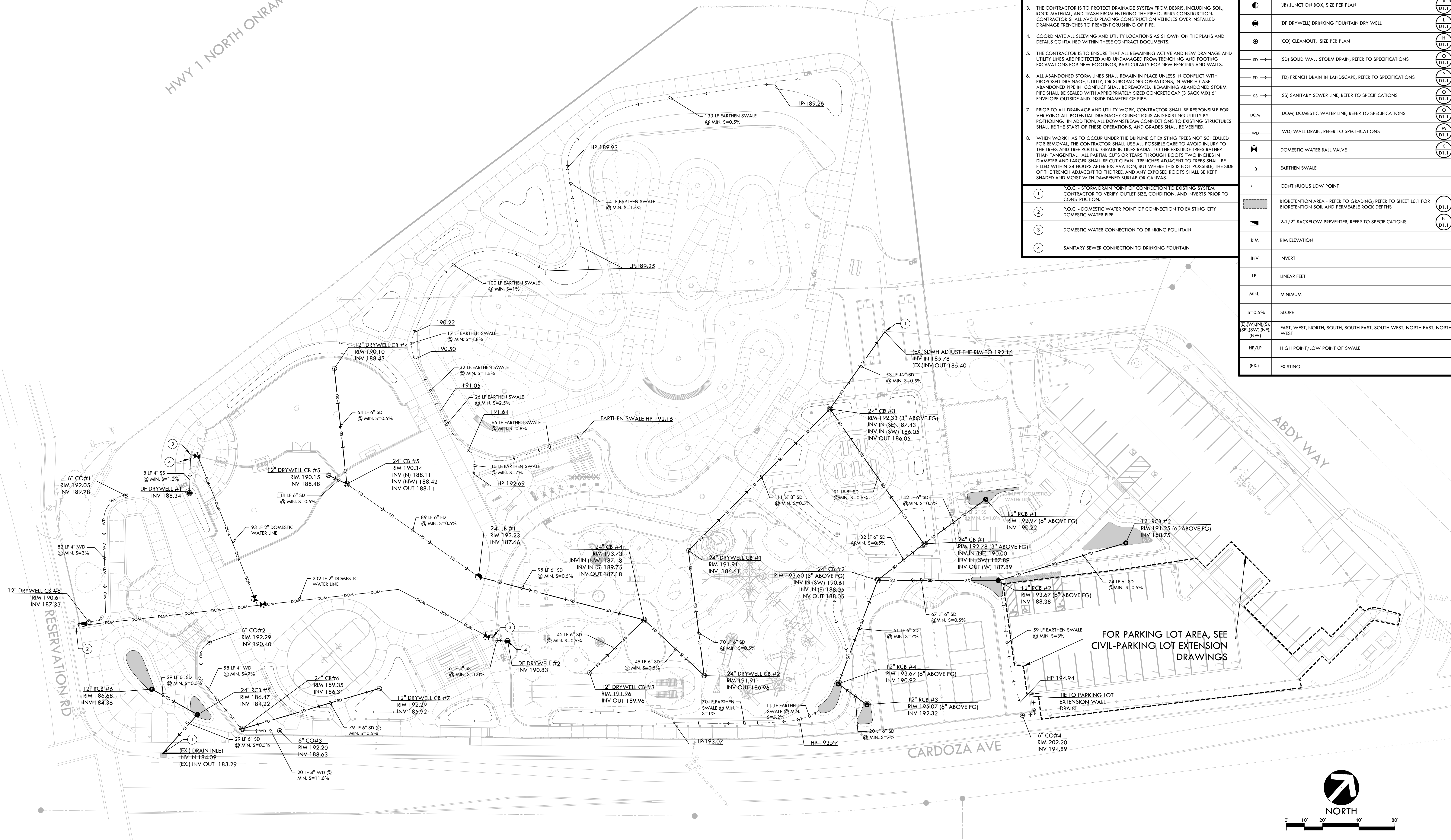
DRAINAGE & UTILITY NOTES

- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES, AND SERVICES SHOWN IN THE CONTRACT DOCUMENTS SHALL BE DEEMED TO BE APPROXIMATIONS ONLY. ALL DISCREPANCIES BETWEEN WHAT IS SHOWN AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE CITY REPRESENTATIVE. THE CONTRACTOR SHALL CONTACT UNDER GROUND SERVICE ALERT (UGSA) AT (800) 227-2600 PRIOR TO ANY DEMOLITION OR EXCAVATION. UPON COMPLETION OF UGSA MARKING OPERATIONS, CONTRACTOR SHALL RECORD ALL UTILITY MARKINGS ON A SEPARATE SET OF DRAWINGS. THIS SET SHALL BE KEPT ON-SITE FOR REFERENCE FOR DURATION OF CONTRACT.
- ALL EXISTING DRAINAGE STRUCTURES, BOXES, UTILITY VAULTS ETC. TO REMAIN, SHALL BE BROUGHT TO FINAL FINISH GRADE PRIOR TO FINAL SURFACE TREATMENT.
- THE CONTRACTOR IS TO PROTECT DRAINAGE SYSTEM FROM DEBRIS, INCLUDING SOIL, ROCK MATERIAL, AND TRASH FROM ENTERING THE PIPE DURING CONSTRUCTION. CONTRACTOR SHALL AVOID PLACING CONSTRUCTION VEHICLES OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
- COORDINATE ALL SLEEVING AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESE CONTRACT DOCUMENTS.
- THE CONTRACTOR IS TO ENSURE THAT ALL REMAINING ACTIVE AND NEW DRAINAGE AND UTILITY LINES ARE PROTECTED AND UNDAUNAGED FROM TRENCHING AND FOOTING EXCAVATIONS FOR NEW FOOTINGS, PARTICULARLY FOR NEW FENCING AND WALLS.
- ALL ABANDONED STORM LINES SHALL REMAIN IN PLACE UNLESS IN CONFLICT WITH PROPOSED DRAINAGE, UTILITY, OR SUBGRADING OPERATIONS, IN WHICH CASE ABANDONED PIPE IN CONFLICT SHALL BE REMOVED. REMAINING ABANDONED STORM PIPE SHALL BE SEALED WITH APPROPRIATELY SIZED CONCRETE CAP (3 SACK MIX) 6" ENVELOPE OUTSIDE AND INSIDE DIAMETER OF PIPE.
- PRIOR TO ALL DRAINAGE AND UTILITY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL POTENTIAL DRAINAGE CONNECTIONS AND EXISTING UTILITY BY POTHOLES. IN ADDITION, ALL DOWNSTREAM CONNECTIONS TO EXISTING STRUCTURES SHALL BE THE START OF THESE OPERATIONS, AND GRADES SHALL BE VERIFIED.
- WHEN WORK HAS TO OCCUR UNDER THE DRIPLINE OF EXISTING TREES NOT SCHEDULED FOR REMOVAL, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO THE TREES AND TREE ROOTS. GRADE IN LINES RADIAL TO THE EXISTING TREES RATHER THAN TANGENTIAL. ALL PARTIAL CUTS OR TEARS THROUGH ROOTS TWO INCHES IN DIAMETER AND LARGER SHALL BE CUT CLEAN. TRENCHES ADJACENT TO TREES SHALL BE FILLED WITHIN 24 HOURS AFTER EXCAVATION, BUT WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE, AND ANY EXPOSED ROOTS SHALL BE KEPT SHADED AND MOIST WITH DAMPENED BURLAP OR CANVAS.

1	P.O.C. - STORM DRAIN POINT OF CONNECTION TO EXISTING SYSTEM. CONTRACTOR TO VERIFY OUTLET SIZE, CONDITION, AND INVERTS PRIOR TO CONSTRUCTION.
2	P.O.C. - DOMESTIC WATER POINT OF CONNECTION TO EXISTING CITY DOMESTIC WATER PIPE
3	DOMESTIC WATER CONNECTION TO DRINKING FOUNTAIN
4	SANITARY SEWER CONNECTION TO DRINKING FOUNTAIN

DRAINAGE & UTILITY LEGEND

SYM	DESCRIPTION	DETAIL NUMBER
		SHEET NUMBER
	(DRYWELL CB) DRYWELL CATCH BASIN UNDER ENGINEERED WOOD FIBER AT PLAYGROUND, UNDER SAND AT DOG PARK, OR IN LANDSCAPE, REFER TO MATERIAL PLAN, SIZE PER PLAN.	(G) D1.1
	(RCB) OVERFLOW RISER WITH GRATE/STANDPIPE IN BIORETENTION AREA, SIZE PER PLAN	(E) D1.1
	(CB) CATCH BASIN IN LANDSCAPE, SIZE PER PLAN	(E) D1.1
	(JB) JUNCTION BOX, SIZE PER PLAN	(F) D1.1
	(DF DRYWELL) DRINKING FOUNTAIN DRY WELL	(F) D1.1
	(CO) CLEANOUT, SIZE PER PLAN	(H) D1.1
SD	(SD) SOLID WALL STORM DRAIN, REFER TO SPECIFICATIONS	(O) D1.1
FD	(FD) FRENCH DRAIN IN LANDSCAPE, REFER TO SPECIFICATIONS	(P) D1.1
SS	(SS) SANITARY SEWER LINE, REFER TO SPECIFICATIONS	(O) D1.1
DOM	(DOM) DOMESTIC WATER LINE, REFER TO SPECIFICATIONS	(O) D1.1
WD	(WD) WALL DRAIN, REFER TO SPECIFICATIONS	(M) D1.1
	DOMESTIC WATER BALL VALVE	(K) D1.1
	EARTHEN SWALE	
	CONTINUOUS LOW POINT	
	BIORETENTION AREA - REFER TO GRADING, REFER TO SHEET L6.1 FOR BIORETENTION SOIL AND PERMEABLE ROCK DEPTHS	(L) D1.1
	2-1/2" BACKFLOW PREVENTER, REFER TO SPECIFICATIONS	(N) D1.1
RIM	RIM ELEVATION	
INV	INVERT	
LF	LINEAR FEET	
MIN.	MINIMUM	
S=0.5%	SLOPE	
(E),(W),(N),(S), (SE),(SW),(NE), (NW)	EAST, WEST, NORTH, SOUTH, SOUTH EAST, SOUTH WEST, NORTH EAST, NORTH WEST	
HP/LP	HIGH POINT/LOW POINT OF SWALE	
(EX)	EXISTING	



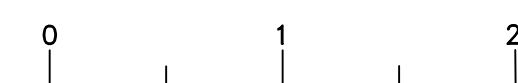
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BY: STATION41



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
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REVISIONS					
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GLORIA JEAN TATE PARK IMPROVEMENTS
PHASE 2

DRAINAGE PLAN
L5.1

DESIGNED BY DL	DRAWN BY DL	CHECKED BY DFC/DM	JOB NUMBER QLP2119	SHEET 11	OF 45
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VERDE DESIGN, INC. PROJECT NO. 2207300

BD SUBMITTAL - 2024/11/08

TABLE A - DRY WELL SIZING SUMMARY TABLE																		
DRY WELL	Tributary DMAs # [A]	Total Retention Tributary Area (SF) [B]	Impervious Area(SF) [C]	Impervious Fraction of Total Area [D]	Runoff Coefficient "C" [E]	Required SCM VOLUME (CF) - 95th Percentile 24 hr Rainfall Method {D*(1.1/12)*G} [F]	Numerical Storage Value (CF) - {pi*(I/2)^2*I} [G]	Storage Volume within Rock Base (CF) - n=0.4 {(G-L)*.4} [H]	Proposed Rock Depth (ft) [I]	Proposed Diameter of Well Base (ft) [J]	Tributary Area (SF) [K]	Storage Volume within Perf Pipe (CF) - {pi*(M/2)^2*I} [L]	Proposed Diameter of Pipe (FT) [M]	Total Storage Provided (CF) {H+L} [N]	Infiltration Rate From Geotech (Inch/Hour) [O]	DRAWDOWN TIME of provided storage (HRS) {=([I(N/K)*12)/O} [P]	Drawdown cycles over 24 hr period {24/P} [Q]	Volume Retained over 24 hour period (CF) {N*Q} [R]
1	13, 14	6088	1557	0.26	0.20	112	28	8.9	7.0	2.25	4.0	5.5	1.0	14.4	16.07	2.7	8.85	127.8
2	15	2710	0	0.00	0.04	10	22	6.6	7.0	2.00	3.1	5.5	1.0	12.1	16.07	2.9	8.35	101.0
3	38	6817	6817	1.00	0.89	557	124	47.4	7.0	4.75	17.7	5.5	1.0	52.9	16.07	2.2	10.76	569.5
4	39	5266	5266	1.00	0.89	431	96	36.0	7.0	4.17	13.7	5.5	1.0	41.5	16.07	2.3	10.57	438.9
5	40	5171	5171	1.00	0.89	422	96	36.0	7.0	4.17	13.7	5.5	1.0	41.5	16.07	2.3	10.57	438.9

TABLE B - INTEGRATED MANAGEMENT PRACTICES SIZING SUMMARY													
IMP # [A]	IMP Area (SQFT) [B]	Tributary DMAs # [C]	Total Retention Tributary Area (SQFT) [D]	Impervious Area(SQFT) [E]	Impervious Fraction of Total Area [F]	Runoff Coefficient "C" [G]	Required IMP VOLUME (CF) - 95th Percentile 24 hr Rainfall Method (D*(1.1/12)*G) [H]	Storage Volume within Rock Base (CF) - n=0.3 {B*I*0.3} [I]	Proposed Rock Depth (ft) [J]	Proposed BSM Mix Depth (ft) [K]	Storage Volume within BSM Mix - n=0.4 {B*K*0.4} [L]	6" Ponding Depth Volume (CF) {B*0.5} [M]	Total Storage Provided (CF) {I+L+M} [N]
1	164	22, 23	2666	2255	0.85	0.66	160	74	1.5	1.5	98.4	82.0	254.2
2	89	24, 25	1413	1161	0.82	0.63	81	40	1.5	1.5	53.4	44.5	138.0
3	109	54, 55	2401	1475	0.61	0.42	92	49	1.5	1.5	65.4	54.5	169.0
4	75	56, 57	1532	1230	0.80	0.60	85	34	1.5	1.5	45.0	37.5	116.3
5	104	60, 61	2674	2343	0.88	0.70	171	47	1.5	2.0	83.2	52.0	182.0
6	120	68, 69	2643	2406	0.91	0.75	181	54	1.5	1.5	72.0	60.0	186.0



TABLE C - SELF-RETAINING AREAS				
DMA Name	Area (sq ft)	Tributary DMA's #	Total Impervious Tributary Equivalent Area (sq ft)	Tributary / Self Retaining Area Ratio
DMA-3	12,312	DMA-2	6,386	0.52
DMA-6	1,124	DMA-5	1,897	1.69
DMA-8	211	DMA-7	396	1.88
DMA-10	610	DMA-9	881	1.44
DMA-12	1,113	DMA-11	1,838	1.65
DMA-17	253	DMA-16	253	1.00
DMA-21	10,168	DMA-20	5,948	0.58
DMA-26	1,345	DMA-27	958	0.71
DMA-29	1,218	DMA-30	2,283	1.87
DMA-31	432	DMA-32	505	1.17
DMA-36	786	DMA-35	930	1.18
DMA-42	777	DMA-43	649	0.84
DMA-44	1,449	DMA-45	2,082	1.44
DMA-46	644	DMA-47	496	0.77
DMA-49	190	DMA-48	287	1.51
DMA-51	1,254	DMA-50	1,625	1.30
DMA-53	836	DMA-52	822	0.98
DMA-59	638	DMA-58	453	0.71
DMA-71	192	DMA-70	258	1.34

MAXIMUM RATIO IS TWO PARTS IMPERVIOUS AREA FOR EVERY ONE PART PERVIOUS AREA: SELF RETAINING AREA RATIO IS 2:1 MAX

STORMWATER CONTROL PLAN LEGEND	
SYM	DESCRIPTION
---	DRAINAGE MANAGEMENT AREA LIMITS
DMA-1	DRAINAGE MANAGEMENT AREA IDENTIFICATION NUMBER REFER TO TABLES
IMP #	INTEGRATED MANAGEMENT PRACTICES IDENTIFICATION NUMBER REFER TO TABLES
	INTEGRATED MANAGEMENT PRACTICES - BIORETENTION FACILITY
	SELF-TREATING PERVIOUS SURFACE
	IMPERVIOUS SURFACE
	SELF-RETAINING PERVIOUS SURFACE
	PERVIOUS SURFACE - DRAINING TO INTEGRATED MANAGEMENT AREA
→	FLOW DIRECTION

TABLE D - DRAINAGE MANAGEMENT AREAS				
DMA Name	Area (SF)	Surface Type / Description	Impervious / Pervious	DMA Type / Drains to
DMA-1	552	Landscaping	Pervious	Self-Treating
DMA-2	6,386	Decomposed Granite	Impervious	Drains to DMA-3
DMA-3	12,312	Landscaping	Pervious	Self-Treating
DMA-4	5,408	Landscaping	Pervious	Self-Treating
DMA-5	1,897	Concrete Paving	Impervious	Drains to DMA-6
DMA-6	1,124	Landscaping	Pervious	Self-Retaining
DMA-7	396	Concrete Paving	Impervious	Drains to DMA-8
DMA-8	211	Landscaping	Pervious	Self-Retaining
DMA-9	881	Concrete Paving	Impervious	Drains to DMA-10
DMA-10	610	Landscaping	Pervious	Self-Retaining
DMA-11	1,838	Concrete Paving	Impervious	Drains to DMA-12
DMA-12	1,113	Landscaping	Pervious	Self-Retaining
DMA-13	1,557	Concrete Paving	Impervious	Drains to Dry Well #1
DMA-14	4,532	Mulch	Pervious	Drains to Dry Well #1
DMA-15	2,710	Mulch	Pervious	Drains to Dry Well #2
DMA-16	380	Concrete Paving	Impervious	Drains to DMA-17
DMA-17	253	Landscaping	Pervious	Self-Retaining
DMA-18	439	Landscaping	Pervious	Self-Treating
DMA-19	98	Landscaping	Pervious	Self-Treating
DMA-20	5,948	Concrete Paving	Impervious	Drains to DMA-21
DMA-21	10,168	Landscaping	Pervious	Self-Retaining
DMA-22	2,255	Concrete Paving	Impervious	Drains to IMP #1
DMA-23	411	Landscaping	Pervious	Drains to IMP #1
DMA-24	1,161	Concrete Paving	Impervious	Drains to IMP #2
DMA-25	253	Landscaping	Pervious	Drains to IMP #2
DMA-26	1,345	Landscaping	Pervious	Self-Retaining
DMA-27	958	Concrete Paving	Impervious	Drains to DMA-26
DMA-28	396	Landscaping	Pervious	Self-Treating
DMA-29	1,218	Landscaping	Pervious	Self-Retaining
DMA-30	2,283	Concrete Paving/Roof	Impervious	Drains to DMA-29
DMA-31	432	Landscaping	Pervious	Self-Retaining
DMA-32	505	Concrete Paving	Impervious	Drains to DMA-31
DMA-33	441	Landscaping	Pervious	Self-Treating
DMA-34	2,109	Play Surface	Pervious	Self-Treating
DMA-35	930	Concrete Paving	Impervious	Drains to DMA-36
DMA-36	786	Landscaping	Pervious	Self-Retaining
DMA-37	765	Play Surface	Pervious	Self-Treating
DMA-38	6,817	Play Surface	Impervious	Drains to Dry Well #3
DMA-39	5,266	Play Surface	Impervious	Drains to Dry Well #4
DMA-40	5,171	Play Surface	Impervious	Drains to Dry Well #5
DMA-41	160	Landscaping	Pervious	Self-Treating
DMA-42	777	Landscaping	Pervious	Self-Retaining
DMA-43	649	Concrete Paving	Impervious	Drains to DMA-42
DMA-44	1,449	Landscaping	Pervious	Self-Retaining
DMA-45	2,082	Concrete Paving/Roof	Impervious	Drains to DMA-44
DMA-46	644	Landscaping	Pervious	Self-Retaining
DMA-47	496	Concrete Paving	Impervious	Drains to DMA-46
DMA-48	287	Concrete Paving/Roof	Impervious	Drains to DMA-49
DMA-49	190	Landscaping	Pervious	Self-Retaining
DMA-50	1,625	Concrete Paving/Roof	Impervious	Drains to DMA-51
DMA-51	1,254	Landscaping	Pervious	Self-Retaining
DMA-52	822	Concrete Paving	Impervious	Drains to DMA-53
DMA-53	836	Landscaping	Pervious	Self-Retaining
DMA-54	926	Landscaping	Pervious	Drains to IMP #3
DMA-55	1,475	Concrete Paving	Impervious	Drains to IMP #3
DMA-56	1,230	Concrete Paving	Impervious	Drains to IMP #4
DMA-57	302	Landscaping	Pervious	Drains to IMP #4
DMA-58	453	Concrete Paving	Impervious	Drains to DMA-59
DMA-59	638	Landscaping	Pervious	Self-Retaining
DMA-60	2,343	Concrete Paving	Impervious	Drains to IMP #5
DMA-61	332	Landscaping	Pervious	Drains to IMP #5
DMA-62	560	Landscaping	Pervious	Self-Treating
DMA-63	3,570	Landscaping	Pervious	Self-Treating
DMA-64	7,254	Asphalt Paving	Impervious	Drains to IMP #7
DMA-65	863	Concrete Paving	Impervious	Drains to IMP #7
DMA-66	169	Landscaping	Pervious	Self-Treating
DMA-67	625	Landscaping	Pervious	Self-Treating
DMA-68	2,406	Concrete Paving	Impervious	Drains to IMP #6
DMA-69	237	Landscaping	Pervious	Drains to IMP #6
DMA-70	258	Concrete Paving	Impervious	Drains to DMA-71
DMA-71	192	Landscaping	Pervious	Self-Retaining
DMA-72	546	Concrete Paving	Impervious	Ex. System

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GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2
STORMWATER CONTROL PLAN
L6.1

DESIGNED BY AM/DL	DRAWN BY AM	CHECKED BY DFC/DM	JOB NUMBER QLP2119	SHEET 12	OF 45
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VERDE DESIGN, INC. PROJECT NO. 2207300

HWY 1 NORTH ONRAMP

MATCH LINE

REFER TO SHEET L7.2

REFER TO SHEET L7.3

MATCH LINE

MATCH LINE

REFER TO SHEET L7.4

REFER TO SHEET L7.5

REFER TO SHEET L7.6

REFER TO SHEET C-1
PARKING LOT LAYOUT AND SECTIONS

LAYOUT NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD AND CHAIKED, STRING LINED OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MINOR ADJUSTMENTS MADE TO ACHIEVE OVERALL DESIGN LAYOUT SHALL BE ACCEPTED BY THE OWNER PRIOR TO CONSTRUCTION.
3. LAYOUT IS BASED ON THE POINT(S) OF BEGINNING (P.O.B.) AND BASELINE(S) OR GRID SYSTEM AS SHOWN. DIMENSIONS SHOWN ARE ROUNDED TO THE NEAREST INCH.
4. ALL LAYOUT AND GRADES SHALL BE COMPLETED BY A LICENSED SURVEYOR.

LAYOUT LEGEND

SYM	DESCRIPTION
	POINT OF BEGINNING SYMBOL
	CONTROL POINT
	RADIUS POINT / CENTER MARK
	PROPOSED ANGLE BETWEEN ELEMENTS
	ALIGN EDGES OF ELEMENTS
	BASELINE & GRID
	CONTROL LINE
	NORTHING/EASTING LAYOUT COORDINATE CALLOUT
	CENTER OF POST
	CONTROL POINT FOR CONTROL LINE A, B OR C
	POINT OF BEGINNING FOR GRID LAYOUT
	CONTROL POINT FOR GRID LAYOUT
	RADIUS POINT
	CENTER OF DRAIN RIM
	TANGENT POINT
	MIDDLE POINT

RESERVATION RD

CARDOZA AVE



NORTH

0' 10' 20' 40' 60'



211 Hillcrest Avenue
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GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

LAYOUT PLAN
L7.1

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
DL	DL/RP/AZ	DFC/DM	QLP2119	13	45

VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: LAY-C3D.DWG
PLOT DATE: 11/25/2024 3:45 PM
BY: STATION41

BD SUBMITTAL - 2024/11/08

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL SHARED UTILITIES, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
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SYM	DESCRIPTION
	POINT OF BEGINNING SYMBOL
	CONTROL POINT
	RADIUS POINT / CENTER MARK
	PROPOSED ANGLE BETWEEN ELEMENTS
	ALIGN EDGES OF ELEMENTS
	BASELINE & GRID
	CONTROL LINE
	NORTHING/EASTING LAYOUT COORDINATE CALLOUT
(COP)	CENTER OF POST
(CTL)	CONTROL POINT FOR CONTROL LINE A, B OR C
(POB)	POINT OF BEGINNING FOR GRID LAYOUT
(POC)	CONTROL POINT FOR GRID LAYOUT
(RAD)	RADIUS POINT
(RIM)	CENTER OF DRAIN RIM
(TAN)	TANGENT POINT
(MID)	MIDDLE POINT
	LIMIT OF WORK



ORIGINAL SCALE IN INCHES
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LAYOUT PLAN—ENLARGEMENTS
L7.2

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
DL	DL/RP/AZ	DFC/DM	QLP2119	14	45

VERDE DESIGN, INC. PROJECT NO. 2207300

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DATA, INCLUDING REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
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SYM	DESCRIPTION
	POINT OF BEGINNING SYMBOL
	CONTROL POINT
	RADIUS POINT / CENTER MARK
	PROPOSED ANGLE BETWEEN ELEMENTS
	ALIGN EDGES OF ELEMENTS
	BASELINE & GRID
	CONTROL LINE
	NORTHING/EASTING LAYOUT COORDINATE CALLOUT
	CENTER OF POST
	CONTROL POINT FOR CONTROL LINE A, B OR C
	POINT OF BEGINNING FOR GRID LAYOUT
	CONTROL POINT FOR GRID LAYOUT
	RADIUS POINT
	CENTER OF DRAIN RIM
	TANGENT POINT
	MIDDLE POINT
	LIMIT OF WORK



MATCH LINE - REFER TO SHEET L7.5

GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

LAYOUT PLAN-ENLARGEMENTS
L7.3

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
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GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

LAYOUT PLAN-ENLARGEMENTS
L7.3

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
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BY: STATION41

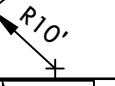
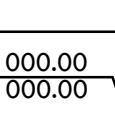
BID SUBMITTAL - 2024/11/08

MACH LINE - REFER TO SHEET L 7.2

LAYOUT NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD AND CHALKED, STRING LINE OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MINOR ADJUSTMENTS MADE TO ACHIEVE OVERALL DESIGN LAYOUT SHALL BE ACCEPTED BY THE OWNER PRIOR TO CONSTRUCTION.
3. LAYOUT IS BASED ON THE POINT(S) OF BEGINNING (P.O.B) AND BASELINE(S) OR GRID SYSTEM AS SHOWN. DIMENSIONS SHOWN ARE ROUNDED TO THE NEAREST INCH.
4. ALL LAYOUT AND GRADES SHALL BE COMPLETED BY A LICENSED SURVEYOR.

LAYOUT LEGEND

SYM	DESCRIPTION
	POINT OF BEGINNING SYMBOL
	CONTROL POINT
	RADIUS POINT / CENTER MARK
	PROPOSED ANGLE BETWEEN ELEMENTS
	ALIGN EDGES OF ELEMENTS
	BASELINE & GRID
	CONTROL LINE
	NORTHING/EASTING LAYOUT CALLOUT
(COP)	CENTER OF POST
(CTL)	CONTROL POINT FOR CONTROL LINE A, B OR C
(POB)	POINT OF BEGINNING FOR GRID LAYOUT
(POC)	CONTROL POINT FOR GRID LAYOUT
(RAD)	RADIUS POINT
(RIM)	CENTER OF DRAIN RIM
(TAN)	TANGENT POINT
(MID)	MIDDLE POINT
	LIMIT OF WORK



ORTH



GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

LAYOUT PLAN—ENLARGEMENTS
L7.4

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
DL	DL/RP/AZ	DFC/DM	QLP2119	16	45

VERDE DESIGN, INC. PROJECT NO. 2207300



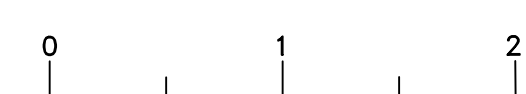
211 Hillcrest Avenue
Marina, CA 93933

CITY OF MARINA

DEPARTMENT OF PUBLIC WORKS

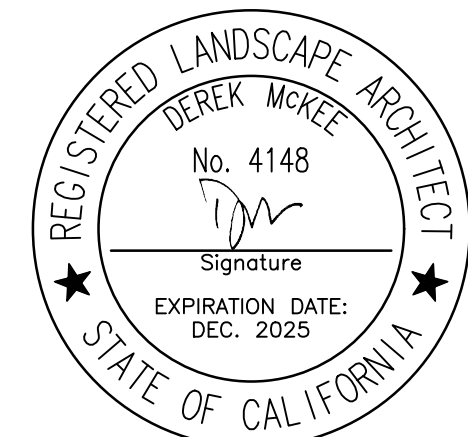
SCALE: SEE PLAN

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fax: 408.985.7260
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GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

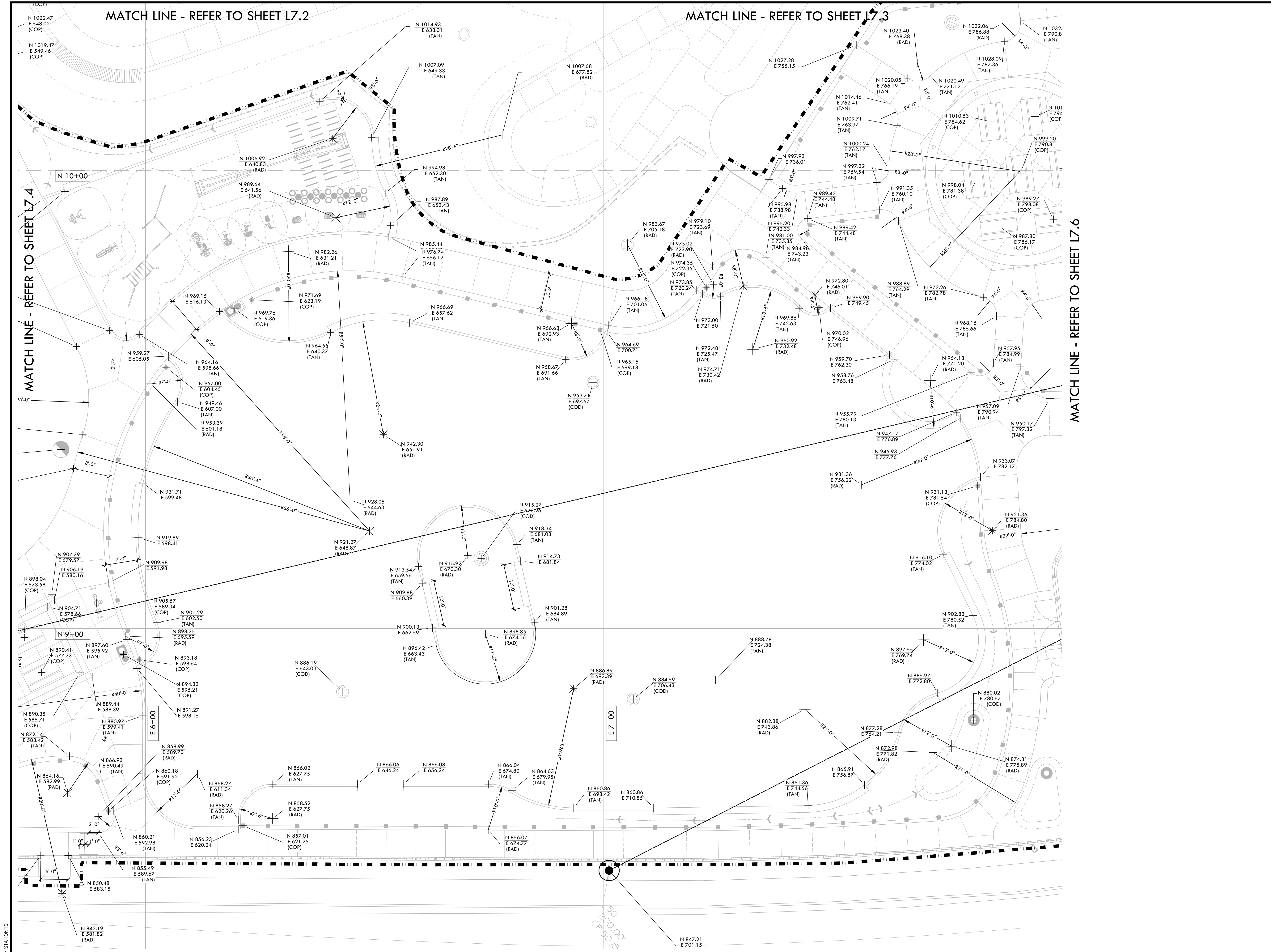
LAYOUT PLAN—ENLARGEMENTS
L7.4

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
DL	DL/RP/AZ	DFC/DM	QLP2119	16	45

VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: _LAY-C3D.DWG
PLOT DATE: 11/25/2024 3:47 PM BY: STATION41

BID SUBMITTAL - 2024/11/08



LAYOUT NOTES

- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
- ALL DIMENSIONS SHALL BE VERIFIED IN FIELD AND CHAIKED, STRING LINED OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MINOR ADJUSTMENTS MADE TO ACHIEVE OVERALL DESIGN LAYOUT SHALL BE ACCEPTED BY THE OWNER PRIOR TO CONSTRUCTION.
- LAYOUT IS BASED ON THE POINT(S) OF BEGINNING (P.O.B.) AND BASELINE(S) OR GRID SYSTEM AS SHOWN. DIMENSIONS SHOWN ARE ROUNDED TO THE NEAREST INCH.
- ALL LAYOUT AND GRADES SHALL BE COMPLETED BY A LICENSED SURVEYOR.

LAYOUT LEGEND

SYM	DESCRIPTION
	POINT OF BEGINNING SYMBOL
	CONTROL POINT
	RADIUS POINT / CENTER MARK
	PROPOSED ANGLE BETWEEN ELEMENTS
	ALIGN EDGES OF ELEMENTS
	BASELINE & GRID
	CONTROL LINE
	NORTHING/EASTING LAYOUT COORDINATE CALLOUT
	CENTER OF POST
	CONTROL POINT FOR CONTROL LINE A, B OR C
	POINT OF BEGINNING FOR GRID LAYOUT
	CONTROL POINT FOR GRID LAYOUT
	RADIUS POINT
	CENTER OF DRAIN RIM
	TANGENT POINT
	CENTER OF DRAIN
	LIMIT OF WORK

NORTH

0' 4' 8' 16' 24'

CITY OF MARINA
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211 Hillcrest Avenue
Marina, CA 93933

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE
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GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

LAYOUT PLAN – PLAYGROUND HARDSCAPE
L7.5

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
DL	DL/RP/AZ	DFC/DM	QLP2119	17	45

VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: LAY-C3D.DWG
PLOT DATE: 11/22/2024 10:59 AM
BY: STATION19

BD SUBMITTAL - 2024/11/08

FITNESS AREA - NOT IN CONTRACT FOR REFERENCE ONLY		
A	STEP, 8" TALL, MODEL #: FAZ30100-0901	L D4.1
B	STEP, 16" TALL, MODEL #: FAZ30200-0901	L D4.1
C	STEP, 24" TALL, MODEL #: FAZ30300-0901	L D4.1
D	ARM BIKE PRO, MODEL #: FAZ51100-0800	H D4.1
E	CITY BIKE PRO, MODEL #: FAZ50100-0800	G D4.1
F	CROSS TRAINER PRO, MODEL #: FAZ52100-0800	F D4.1
G	COMBI 3, MODEL #: FSW10301-0900	D D4.1
H	CROSS TRAINING PRO COMBI 1, MODEL #: FAZ20101-0901	I D4.1
I	SIT UP BENCH PRO, MODEL #: FAZ60600-0000	C D4.1
J	LOWER BACK BENCH PRO, MODEL #: FAZ60700-0000	B D4.1
K	SURFACE AGILITY DOT AND LINE STRIPING	L D4.1

36	PARKING STALL STRIPING	F D2.5
37	SALVAGED LANDSCAPE ROCK AND REINSTALL IN DOG PARK	J D2.4
38	BASKETBALL GOAL, REFER TO SPECIFICATIONS	M D2.3
39	PICKLEBALL NET AND POST	G D2.5
40	PICKLEBALL PADDLE RACK ATTACH TO CHAIN LINK FENCE, REFER TO SPECIFICATIONS	
41	DOG PARK 'SMALL DOG ONLY' SIGN	C D2.5
42	DOG PARK 'LARGE DOG ONLY' SIGN	B D2.5
43	BIKE RACK, REFER TO SPECIFICATIONS	I D2.4
44	PET WASTE STATION	B D2.5
45	NEW ELECTRICAL METER AND PG&E PANEL, REFER TO ELECTRICAL DRAWINGS	

28	TRASH AND RECYCLING RECEPTACLES SURFACE MOUNTED TO CONCRETE PAD	D D2.4
29	CONCRETE CORNHOLE	G D2.4
30	PICNIC TABLE, 8' LONG	E D2.4
31	PICNIC TABLE - ADA	I D2.4
32	SALVAGED PICNIC TABLE AND REINSTALLATION	
33	SALVAGED ADA PICNIC TABLE AND REINSTALLATION	
34	PICKLEBALL COURT STRIPING	B D2.4
35	BASKETBALL COURT STRIPING	H D2.4
20	4' TALL x 10' WIDE GALVANIZED STEEL DOUBLE SWING GATE	I D2.3
21	CHAIN LINK FENCE WITH WINDSCREEN IN 8" WIDE CMU RETAINING WALL, REFER TO STRUCTURAL DRAWINGS	
22	WOOF RAIL FENCES JUNCTION	F D2.3
23	OCTAGONAL PAVILION	J D2.5
24	RECTANGULAR PAVILION	I D2.5
25	DRINKING FOUNTAIN WITH PET BOWL, REFER TO SPECIFICATIONS	A D2.4
26	PLAY EQUIPMENT REFER TO KOMPAN DRAWINGS	
27	BENCH, 6' LONG	C D2.4

1	10' TALL GALVANIZED CHAIN LINK FENCE WITH WINDSCREEN, REFER TO SPECIFICATIONS	F D2.2
2	42" TALL CHAIN LINK FENCE	K D2.3
3	42" TALL CHAIN LINK FENCE IN CMU CURB OR WALL ALONG CARDOZA AVE	L D2.3
4	NEW CHAIN LINK FABRIC AND RAILS ON EXISTING 6' TALL FENCE, REFER TO SPECIFICATIONS	
5	NEW CHAIN LINK FABRIC AND RAILS ON EXISTING 42" TALL FENCE, REFER TO SPECIFICATIONS	
6	42" TALL GUARDRAIL	C D2.3
7	6" WIDE CONCRETE EDGE BAND	L D2.1
8	6" WIDE DEEP CONCRETE EDGE BAND	E D2.3
9	6" WIDE CONCRETE CURB	M D2.1
10	6" WIDE DEEP CONCRETE CURB	N D2.1
11	8" WIDE CMU CURB, CMU BLOCK TO MATCH ADJACENT EXISTING CMU BLOCKS	O D2.1
12	8" WIDE CMU RETAINING WALL, REFER TO STRUCTURAL DRAWINGS	
13	12" WIDE CONCRETE EDGE BAND	P D2.1
14	12" WIDE DEEP CONCRETE EDGE BAND	R D2.2
15	12" WIDE CONCRETE CURB	Q D2.1
16	12" WIDE DEEP CONCRETE CURB	A D2.2
17	12" WIDE CONCRETE RETAINING WALL, REFER TO STRUCTURAL DRAWINGS	
18	18" WIDE CONCRETE SEATWALL	R D2.1
19	THICKENED EDGE CONCRETE PAVING	C D2.1
20	PIP RUBBER RESILIENT SURFACE TRANSITION TO ENGINEERED WOOD FIBER	I D2.1
21	CONCRETE CURB RAMP - TYPE A	A D2.3
22	CONCRETE STAIRS WITH HANDRAIL	H/D D2.3
23	10' TALL x 4' WIDE TRANSOM SWING GATE WITH WINDSCREEN	L D2.2
24	10' TALL x 10' WIDE TRANSOM DOUBLE SWING GATE WITH WINDSCREEN	K D2.2
25	4' TALL x 4' WIDE GALVANIZED STEEL SWING GATE	I D2.3

MATERIAL NOTES		
1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.		
2. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.		
3. ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND ACCEPTED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.		
4. CONCRETE FINISHES SHALL BE AS NOTED. CONTRACTOR SHALL PROVIDE 4"x4" SAMPLES OF ALL SPECIFIED FINISHES OF CONCRETE USING THE SAME MATERIALS THAT WILL BE USED IN THE ACTUAL CONSTRUCTION FOR EACH TYPE SPECIFIED. SAMPLES SHALL BE PREPARED WELL ENOUGH IN ADVANCE OF SCHEDULED CONCRETE POUR TO ALLOW FOR REVIEW AND POSSIBLE RE-POURING OF UNACCEPTABLE SAMPLES. UNACCEPTABLE SAMPLES SHALL BE RE-PREPARED UNTIL ACCEPTED BY THE OWNER'S REPRESENTATIVE. ACCEPTED SAMPLES SHALL BE PROTECTED AND REMAIN ON SITE FOR REFERENCE UNTIL FINAL ACCEPTANCE.		
5. ALL FENCES AND GATES SHOWN ON PLAN ARE GRAPHIC REPRESENTATIONS; REFER TO DETAILS AND SPECIFICATIONS FOR PRECISE LOCATION.		
6. ASPHALT SHALL NOT BE INSTALLED UNTIL ALL EDGES AND SITE FURNISHING PADS ARE INSTALLED.		
MATERIAL LEGEND		
SYM	DESCRIPTION	DTL REF
	CONCRETE PAVING - PEDESTRIAN	A D2.1
	CONCRETE PAVING - VEHICULAR	B D2.3
	ASPHALT PAVING	E D2.1
	COLORLED CONCRETE, 5447 'MESA BUFF', REFER TO SPECIFICATIONS	A D2.1
	POURED IN PLACE RUBBER RESILIENT SURFACE, REFER TO SPECIFICATIONS; - BY OTHERS	G D2.1
	ENGINEERED WOOD FIBER SURFACE AT PLAYGROUND, REFER TO KOMPAN DRAWINGS - BY OTHERS	H D2.1
	SAND SURFACE AT DOG PARK, REFER TO SPECIFICATIONS	E D2.2
	ASPHALT PAVING WITH ACRYLIC COATING	I D2.1
	SLURRY COATING OVER EXISTING ASPHALT PAVING, REFER TO SPECIFICATIONS	
	STABILIZED DECOMPOSED GRANITE	F D2.1
	LANDSCAPE MULCH AT PARK EDGE, REFER TO SPECIFICATIONS	
	SOD, REFER TO SPECIFICATIONS	
	PLANTING AREA, REFER TO PLANTING PLAN	
	PLANTING IN BIORETENTION AREA, REFER TO PLANTING PLAN	
	SCORE JOINT	B D2.1
	EXPANSION JOINT	B D2.3
	4' TALL WOOD SPLIT RAIL FENCE	P D2.2
	4' TALL WOOD SPLIT RAIL FENCE WITH WIRE MESH AT DOG PARK	O D2.2
	4' TALL CHAIN LINK FENCE WITH TOP RAIL SAFETY PADDING	H D2.2
	6' TALL CHAIN LINK FENCE	B D2.2
	LIMIT OF WORK	



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SCALE: SEE PLAN

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REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE

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**GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2**

**MATERIAL AND
DETAIL REFERENCE PLAN**
L8.1

DESIGNED BY DL	DRAWN BY DL/AZ	CHECKED BY DFC/DM	JOB NUMBER QLP2119	SHEET 19	OF 45
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VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: _MATDWS
PLOT DATE: 11/25/2024 2:25 PM
BY: STATION41

BD SUBMITTAL - 2024/11/08



IRRIGATION LEGEND						
SYM.	ITEM	MODEL NO./ DESCRIPTION	CAT. RAD./ DES. RAD.	GPM	PSI	DTL. REF.
	ROTOR	HUNTER: I-20-04-SS-BLUE-2.5	35' / 28'	2.5	45	(D3.1)
	ROTATOR	HUNTER: PROS-06-PR340-CV-F BODY WITH AP200-90 (90°-210°)	19' / 15'	.43-0.86	40	(M D3.1)
	ROTATOR	HUNTER: PROS-06-PR340-CV-F BODY WITH AP200-360 (360°)	19' / 15'	1.48	40	(M D3.1)
	BUBBLER	PC-50 TREE BUBBLER (2 PER TREE)	-	0.5	30	(D3.1)
	CONTROLLER	HUNTER: A2C-1200-SKIT WITH PED-SS PEDESTAL, EXPAND THE STATION TO 54; COMPATIBLE WITH A2C-WIFI, RAIN, FLOW AND SOIL-CLIKS	-	-	-	(D3.2)
	IN-LINE FERTIGATION	EZ-FLO FERTILIZING SYSTEM MODEL# EZKIT-1 - 1.75 GALLON CAPACITY - FOR SOD	-	-	-	(G D3.2)
	REMOTE CONTROL VALVE	HUNTER: ICV-G SERIES REMOTE CONTROL VALVE, SIZE AS NOTED	-	-	-	(C D3.1)
	DRIP ZONE CONTROL VALVE	HUNTER: ICZ-101-25 KITS FOR ZONES RANGING 15-20 GPM ICZ-201-40-XL KITS FOR ZONES RANGING FROM 20-40GPM	-	-	-	(D/E D3.1)
	GATE VALVE	NIBCO - GATE VALVE IN SCFTSCAPE, 2" AND SMALLER SHALL BE NIBCO T-113-LF. FOR VALVES ABOVE 2" IN SIZE UTILIZE NIBCO F-619 FLANGED VALVE WITH SQUARE OPERATING NUT.	-	-	-	(A/B D3.1)
	QUICK COUPLER VALVE	HUNTER - HQ-44-LRC QUICK COUPLER VALVE - IN LANDSCAPE	-	-	-	(D3.1)
	QUICK COUPLER VALVE	HUNTER - HQ-44-LRC QUICK COUPLER VALVE - IN PAVEMENT	-	-	-	(E D3.2)
	MAINLINE	PROPOSED IRRIGATION MAIN LINE - CLASS 200 PVC PIPE WITH BELL AND SPIGOT JOINTS AND MECHANICAL RESTRAINT FITTINGS WITH 24" COVER - SIZE AS NOTED.	-	-	-	(J D3.1)
	LATERAL LINE	3/4" - SCHEDULE 40 PVC PIPE & SOLVENT WELD FITTINGS, AT 18" MIN. DEPTH. SIZED AS NOTED	-	-	-	(J D3.1)
	LATERAL LINE	1" - SCHEDULE 40 PVC PIPE & SOLVENT WELD FITTINGS, AT 18" MIN. DEPTH. SIZED AS NOTED	-	-	-	(J D3.1)
	LATERAL LINE	1 1/4" - SCHEDULE 40 PVC PIPE & SOLVENT WELD FITTINGS, AT 18" MIN. COVER. SIZED AS NOTED	-	-	-	(J D3.1)
	LATERAL LINE	1 1/2" - SCHEDULE 40 PVC PIPE & SOLVENT WELD FITTINGS, AT 18" MIN. COVER. SIZED AS NOTED	-	-	-	(J D3.1)
	SLEEVE	SCHEDULE 40 PVC. PIPE SIZE TO BE TWICE THE SIZE OF TOTAL PIPE DIAMETERS WITHIN THE SLEEVE, OR AS NOTED, WITH 30" COVER.	-	-	-	(J D3.1)
	CONTROL WIRES TO CONTROL VALVES		-	-	-	(L D3.1)

IRRIGATION NOTES			
1.	THIS SYSTEM IS DESIGNED TO OPERATE AT A MAXIMUM FLOW OF (XX) GPM WITH A MINIMUM (XX) STATIC P.S.I. AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY PRESSURE PRIOR TO BEGINNING WORK. CONTACT OWNER IMMEDIATELY SHOULD DISCREPANCY ARISE AND RE-DIRECT WORK TO AVOID DELAY.		
2.	CONTRACTOR SHALL COORDINATE ELECTRICAL SUPPLY WITH GENERAL CONTRACTOR. GENERAL CONTRACTOR SHALL SUBMIT APPROPRIATE POWER SUPPLY IN VICINITY OF CONTROLLER LOCATION.		
3.	IRRIGATION SYSTEM DESIGN IS DIAGRAMMATIC. WHERE PIPING, VALVES, QUICK COUPLERS, ETC. ARE SHOWN OUTSIDE PLANTING AREAS, OR LIMIT OF WORK; INTENT IS FOR PIPING, VALVES, ETC. TO BE INSTALLED WITHIN PLANTING AREAS OF PROPERTY. INDICATE EXACT LOCATIONS OF IRRIGATION EQUIPMENT ON RECORD DRAWINGS. REFER TO SPECIFICATIONS.		
4.	CONTRACTOR TO RUN NEW CONTROL WIRES FROM EXISTING CONTROLLERS TO PROPOSED CONTROL VALVES. CONTRACTOR TO COORDINATE NUMBERING OF VALVE STATIONS WITH OWNER'S MAINTENANCE.		
5.	CONTRACTOR SHALL PROGRAM CONTROLLER TO ENSURE PROPER IRRIGATION. BASED ON PLANT TYPE, EXPOSURE AND SEASON.		
6.	CONTRACTOR SHALL USE EXTREME CARE WHERE IT IS NECESSARY TO TRENCH NEAR EXISTING TREES. EXCAVATION IN AREAS EXHIBITING ROOT 3" AND LARGER SHALL BE DONE BY HAND. ROOTS 2" OR LARGER IN DIAMETER DAMAGED IN CONSTRUCTION SHALL BE CLEANLY CUT.		
7.	CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO HEAD LOCATIONS IN FIELD AS NECESSARY.		
8.	CONTRACTOR SHALL REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.		
9.	CONTRACTOR SHALL INSTALL BUBBLERS AND POLY PIPE, 2 PER TREE.		
		DRIP ZONE: HUNTER HDL-09-12-500-CV WITH 0.9 GPH EMITTERS, 12" SPACING O.C. FOR EMITTERS; 18" SPACING O.C. FOR TUBING; INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS, DETAILS, AND SPECIFICATIONS	(D4.1)
	EXISTING CONTROL VALVE	EXISTING QUICK COUPLER	
	EXISTING MAIN LINE	EXISTING LATERAL LINE	
P.O.C. POINT OF CONNECTION: TIE THE PROPOSED MAIN LINE TO EXISTING MAIN LINE. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING MAIN LINE AND WATER PRESSURE. PROVIDE STATIC AND DYNAMIC WATER PRESSURE RATING TO OWNER'S REPRESENTATIVE.			
	DRIP TUBING ZONE STATION NUMBER	CONTROLLER STATION NUMBER	
	ZONE SQUARE FOOTAGE	APPROX. GPM FLOW THROUGH VALVE	
	APPROX. GPM FLOW THROUGH VALVE	CONTROL VALVE SIZE	
	CONTROL VALVE SIZE		

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SCALE: SEE PLAN

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REGISTERED LANDSCAPE ARCHITECT
DEREK MCKEE
No. 4148
Signature
EXPIRATION DATE: DEC. 2025
STATE OF CALIFORNIA

GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

IRRIGATION PLAN
L10.1

DESIGNED BY DL	DRAWN BY DL	CHECKED BY DFC/DM	JOB NUMBER QLP2119	SHEET 21	OF 45
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VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: _IRR.DWG
PLOT DATE: 11/25/2024 4:00 PM
BY: STATION41

BD SUBMITTAL - 2024/11/08

PROJECT INFORMATION

A. DATE : 11-07-2024

B. PROJECT NAME: GLORYA JEAN TATE PARK IMPROVEMENTS, PHASE 2

C. PROJECT ADDRESS: 3254 ABDY WAY, MARINA, CA93933

D. TOTAL IRRIGATED LANDSCAPE AREA(SQUARE FEET): 48,050 S.F.

E. PROJECT TYPE: PUBLIC PARK

F. WATER SUPPLY TYPE: DOMESTIC WATER BY MARINA COAST WATER DISTRICT

G. PROJECT APPLICANT: DEREK MCKEE
CONTACT: DEREK@VERDEDESIGNINC.COM

OWNER: CITY OF MARINA
CONTACT: ANDREA WILLER
PHONE NO.: (831) 884-1231

H. CHECKLIST OF ALL DOCUMENTS IN LANDSCAPE DOCUMENTATION PACKAGE

1. HYDROZONE INFORMATION TABLE - SEE THIS SHEET

2. WATER BUDGET CALCULATIONS - SEE THIS SHEET

2. SOIL MANAGEMENT REPORT - TO BE PROVIDED BY CONTRACTOR AT COMPLETION OF GRADING OPERATION

3. PLANTING PLAN - SEE SHEET L9.1

4. IRRIGATION PLAN - SEE SHEET L10.1

5. GRADING PLAN - SEE SHEET L4.1-L4.2

6. CERTIFICATE OF COMPLETION - TO BE COMPLETED POST CONSTRUCTION

8. CERTIFICATE OF INSTALLATION - TO BE COMPLETED POST CONSTRUCTION

9. LANDSCAPE IRRIGATION AUDIT - TO BE PERFORMED BY THIRD PARTY POST CONSTRUCTION

I. METHOD OF COMPLIANCE:

1. WATER BUDGET CALCULATION OPTION - SEE WATER BUDGET CALCULATION SUMMARY

2. PLANT TYPE RESTRICTION OPTION - SEE CHECKLIST

LICENSED LANDSCAPE PROFESSIONAL/APPLICANT STATEMENT:

1. "I HAVE COMPLIED WITH THE CRITERIA OF THE 2015 MODEL WATER EFFICIENT LANDSCAPE REQUIREMENTS AS REQUIRED BY THE DEPARTMENT OF WATER RESOURCES AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE AND IRRIGATION DESIGN PLAN"

2. "AN AUDIT OF THE PROJECT IS REQUIRED TO BE PERFORMED BY A QUALIFIED PROFESSIONAL AND SUBMITTED ALONG WITH THE "CERTIFICATE OF COMPLETION" AS CONTAINED IN APPENDIX C OF THE DEPARTMENT OF WATER RESOURCES REGULATIONS. THE AUDIT WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOR A FINAL INSPECTION."

SIGNATURE

DATE

CERTIFICATE OF COMPLETION

"I / WE CERTIFY THAT I / WE HAVE RECEIVED COPIES OF ALL THE DOCUMENTS WITHIN THE LANDSCAPE DOCUMENTATION PACKAGE AND THE CERTIFICATE OF COMPLETION AND THAT IT IS OUR RESPONSIBILITY TO SEE THAT THE PROJECT IS MAINTAINED IN ACCORDANCE WITH THE LANDSCAPE AND IRRIGATION MAINTENANCE SCHEDULE."

PROPERTY OWNER SIGNATURE

DATE

PLEASE ANSWER THE QUESTIONS BELOW:

1. DATE THE LANDSCAPE DOCUMENTATION PACKAGE WAS SUBMITTED TO THE LOCAL AGENCY:

2. DATE THE LANDSCAPE DOCUMENTATION PACKAGE WAS APPROVED BY THE LOCAL AGENCY:

3. DATE THAT A COPY OF THE WATER EFFICIENT LANDSCAPE WORKSHEET (INCLUDING THE WATER BUDGET CALCULATION) WAS SUBMITTED TO THE LOCAL WATER PURVEYOR:

CERTIFICATION OF INSTALLATION ACCORDING TO THE LANDSCAPE DOCUMENTATION PACKAGE

"I / WE CERTIFY THAT BASED UPON PERIODIC SITE OBSERVATIONS, THE WORK HAS BEEN SUBSTANTIALLY COMPLETED IN ACCORDANCE WITH THE ORDINANCE AND THAT LANDSCAPE PLANTING AND IRRIGATION INSTALLATION SUBSTANTIALLY CONFORM WITH THE CRITERIA AND SPECIFICATIONS OF THE APPROVED LANDSCAPE DOCUMENTATION PACKAGE."

SIGNATURE *

DATE

NAME (PRINT)

TELEPHONE NO.

EMAIL ADDRESS

FAX NO.

TITLE

LICENSE NO. OR CERTIFICATION NO.

COMPANY

ADDRESS

* SIGNER OF THE LANDSCAPE DESIGN PLAN, SIGNER OF THE IRRIGATION PLAN.

NOTES

1. IRRIGATION SYSTEMS MUST BE COMPLETE AND FULLY OPERATIONAL BEFORE ANY PLANTING BEGINS.

2. SOILS SHALL BE INVESTIGATED FOR WATER RETENTION CAPABILITIES. GEOTECHNICAL SOILS REPORTS SUGGEST INFILTRATION RATES RANGE FROM .2 TO .6 INCHES/HOUR.

3. WATER AUDIT MUST BE PERFORMED FOR THE PLANT ESTABLISHMENT PERIOD AND ANOTHER AT 6 MONTHS TO DETERMINE LONG TERM MAINTENANCE SCHEDULING. AUDITS SHALL INCLUDE APPLIED WATER IRRIGATION, IRRIGATION DAYS PER WEEK, CYCLES PER DAY AND MINUTES OF RUN TIME PER CYCLE. CONSIDERATION SHOULD BE GIVEN TO THE FLOW RATE, AREA COVERED BY EACH VALVE AND PRECIPITATION RATE. INITIAL WATER AUDIT REPORT SHALL BE SUBMITTED TO THE OWNER ALONG WITH LANDSCAPING AND IRRIGATION AS-BUILT PLANS.

4. IRRIGATION CONTROLLER SCHEDULING SHALL BE PROGRAMMED SO THAT THE APPLICATION RATE OF WATER DOES NOT EXCEED THE INFILTRATION RATE OF THE SOIL (SEE SOILS REPORT) AND WILL NOT ALLOW EXCESSIVE OVERSPRAY OR RUNOFF. THIS INCLUDES ENTERING DATA AND MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT, WATER REQUIREMENTS, CHANGES IN ELEVATION, SOLAR EXPOSURE, WIND EXPOSURES AND EVAPOTRANSPIRATION RATE. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE, EROSION, PUDDING, ETC. DUE TO IMPROPER PROGRAMMING.

5. CONTRACTOR IS TO SCHEDULE A MEETING WHICH INCLUDES REPRESENTATIVES OF THE IRRIGATION CONTROLLER MANUFACTURER, THE OWNER AND THE IRRIGATION MAINTENANCE/MANAGEMENT CONTRACTOR AT THE SITE FOR INSTRUCTION ON THE PROPER PROGRAMMING, OPERATION, AND SCHEDULING OF THE IRRIGATION CONTROLLER.

6. IRRIGATION SCHEDULE IS TO BE BASED ON AN 8 HOUR WATERING WINDOW BETWEEN 10:00PM AND 6:00 AM WITH 5 DAYS MAX. OF OPERATION PER WEEK.

7. DURING THE LANDSCAPE ESTABLISHMENT PERIOD INCREASE THE OPERATION RUN TIME BY 20% AND DAYS OF OPERATION BY ONE DAY PER WEEK.

8. DUE TO VARIABLE AND UNFORESEEN SITE CONDITIONS, THE IRRIGATION SYSTEM RUN TIMES MAY NEED TO BE ADJUSTED TO ENSURE THAT PROPER MOISTURE IS MAINTAINED IN THE LANDSCAPE WHILE MINIMIZING WATER USE.

WATER EFFICIENT LANDSCAPE WORKSHEET							
REFERENCE EVAPOTRANSPIRATION (Eto) ¹ : 36							
HYDROZONE (VALVE STATION)/ PLANTING DESCRIPTION	PLANT FACTOR (PF) ²	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE) ³	ETAF (PF/IE)	LANDSCAPE AREA (SQ.FT.)	ETAF X AREA	ESTIMATED TOTAL WATER USE (ETWU)
REGULAR LANDSCAPE AREAS (LA)							
#1 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	495	122	2'228
#2 /TREE	0.5	BUBBLER	0.81	0.617	152	94	2'094
#3 /SHRUB & GROUND COVER	0.5	DRIP	0.81	0.617	1134	700	15'624
#4 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	987	244	5'439
#5 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	2184	539	12'036
#6 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	694	171	3'825
#7 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1140	281	6'283
#8 /TREE	0.2	BUBBLER	0.81	0.247	114	28	628
#9 /SHRUB & GROUND COVER	0.5	DRIP	0.81	0.617	359	222	4'946
#10 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1437	355	7'919
#11 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1280	316	7'054
#12 /TREE	0.5	BUBBLER	0.81	0.617	494	305	6'806
#13 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1868	461	10'295
#14 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1140	281	6'283
#15 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	836	206	4'607
#16 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	374	92	2'061
#17 /TREE	0.2	BUBBLER	0.81	0.247	304	75	1'675
#18 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1609	397	8'867
#19 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1842	455	10'151
#21 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1610	398	8'873
#22 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1322	326	7'286
#23 /TREE	0.2	BUBBLER	0.81	0.247	152	38	838
#26 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	870	215	4'795
#27 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1276	315	7'032
#28 /TREE	0.2	BUBBLER	0.81	0.247	190	47	1'047
#32 /TREE	0.5	BUBBLER	0.81	0.617	228	141	3'141
#33 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1209	299	6'663
#34 /SHRUB & GROUND COVER	0.2	DRIP	0.81	0.247	1752	433	9'655
#35 /TREE	0.2	BUBBLER	0.81	0.247	38	9	209
#36 /SHRUB & GROUND COVER	0.4	DRIP	0.81	0.494	997	492	10'989
				TOTAL	28087	8,058	179,852

SPECIAL LANDSCAPE AREAS (SLA)							
#24,#25,#29,#30,#31 /RECREATIONAL TURF	N/A	N/A	N/A	1	10170	10'170.00	10'170
ETWU (ESTIMATED TOTAL WATER USE IN GALLONS PER YEAR) TOTAL							190022
MAXIMUM ALLOWED WATER ALLOWANCE (MAWA)							287,699

MAXIMUM ALLOWED WATER ALLOWANCE (MAWA)

MAXIMUM ALLOWED WATER ALLOWANCE (MAWA) = Eto x 0.62 x [(ETAF X LA) + (1- ETAF) x SLA]

ETo = REFERENCE EVAPOTRANSPIRATION - CITY OF MARINA ANNUAL ETO 36

0.62 = CONVERSION FACTOR - THAT CONVERTS ACRE- INCHES PER ACRE PER YEAR TO GALLONS PER SQUARE FOOT PER YEAR.

ET ADJUSTMENT FACTOR (ETAF) = 0.55 FOR RESIDENTIAL AREAS AND 0.45 FOR NON-RESIDENTIAL AREAS

LA = THE TOTAL REGULAR LANDSCAPE AREA IN SQUARE FEET

SLA = THE TOTAL SPECIAL LANDSCAPE AREA IN SQUARE FEET

MAXIMUM ALLOWED WATER ALLOWANCE (MAWA) = 287,699 GALLONS PER YEAR

ESTIMATED TOTAL WATER USE (ETWU)

ESTIMATED TOTAL WATER USE (ETWU) = Eto X 0.62 X ETAF X AREA

ETo = REFERENCE EVAPOTRANSPIRATION

0.62 = CONVERSION FACTOR - THAT CONVERTS ACRE- INCHES PER ACRE PER YEAR TO GALLONS PER SQUARE FOOT PER YEAR.

ET ADJUSTMENT FACTOR (ETAF) = PLANT FACTOR DIVIDED BY IRRIGATION EFFICIENCY (PF / IE)

PF = PLANT FACTOR FROM WUCOLS (RANGES FROM 0 TO 1.0)

IE = IRRIGATION EFFICIENCY - 0.75 FOR OVERHEAD SPRAY AND .81 FOR DRIP SYSTEM AND BUBBLE

AREA = HYDROZONE AREA (SQ. FT.)

ESTIMATED TOTAL WATER USE (ETWU) = 190,022 GALLONS PER YEAR

WATER BUDGET CALCULATION SUMMARY

MAXIMUM ALLOWED WATER ALLOWANCE (MAWA) = 287,699 GALLONS PER YEAR

ESTIMATED TOTAL WATER USE (ETWU) = 190,022 GALLONS PER YEAR

ESTIMATED TOTAL WATER USE (ETWU) < MAXIMUM ALLOWED WATER ALLOWANCE (MAWA)

WATER EFFICIENT LANDSCAPE WORKSHEET REFERENCE FACTORS:

1. Eto - CITY OF MARINA: 36

2. PLANTING FACTOR (PF):

- VERY LOW WATER USE (VL): 0.1
- LOW WATER USE (L): 0.2-0.3
- MODERATE WATER USE (M): 0.4-0.6
- HIGH WATER USE (H): 0.7-0.9
- SPECIAL LANDSCAPE AREAS: NOT APPLIED. USE ETAF FACTOR:1.0

3. IRRIGATION EFFICIENCY (IE):

- DRIP: 0.81
- BUBBLER: 0.81
- SPRAY HEAD: 0.75

4. REGULAR LANDSCAPE AREAS (LA) ARE ALL THE PLANTING AREAS, TURF AREAS, AND WATER FEATURES IN A LANDSCAPE DESIGN PLAN SUBJECT TO THE MAXIMUM APPLIED WATER ALLOWANCE CALCULATION. THE LANDSCAPE AREA DOES NOT INCLUDE FOOT-PRINTS OF BUILDINGS OR STRUCTURES, SIDEWALKS, DRIVEWAYS, PARKING LOTS, DECKS, PATIOS, GRAVEL OR STONE WALKS, OTHER PERVIOUS OR NON-PERVIOUS HARDSCAPES, AND OTHER NON-IRRIGATED AREAS DESIGNED FOR NON-DEVELOPMENT (E.G., OPEN SPACE AND EXISTING NATIVE VEGETATION).

5. SPECIAL LANDSCAPE AREAS (SLA) INCLUDE RECREATION AREAS, AREAS PERMANENTLY AND SOLELY DEDICATED TO EDIBLE PLANTS SUCH AS ORCHARDS AND VEGETABLE GARDENS, AND AREAS IRRIGATED WITH RECYCLED WATER.

PLANT TYPE RESTRICTION CHECKLIST

THIS PROJECT MEETS THIS OPTION BECAUSE OF THE FOLLOWING:

X THIS PROJECT UTILIZES DROUGHT TOLERANT PLANTS AND DRIP IRRIGATION TO CONSERVE WATER.

X INCORPORATE COMPOST AT THE RATE OF AT LEAST FOUR (4) CUBIC YARDS PER 1,000 SQUARE FEET TO A DEPTH OF SIX (6) INCHES INTO THE LANDSCAPE AREA, UNLESS CONTRAINDICATED BY A SOIL TEST.

TURF (IF TURF IS IN USE) SHALL COMPLY WITH ALL OF THE FOLLOWING

- TURF SHALL NOT EXCEED TWENTY-FIVE PERCENT (25%) OF THE LANDSCAPE AREA OR 1,250 SQUARE FEET, WHICHEVER IS LESS, IN RESIDENTIAL AREAS; AND THERE SHALL BE NO NON-RECREATIONAL TURF IN NON-RESIDENTIAL AREAS.

X TURF SHALL NOT BE PLANTED ON SLOPED AREAS WHICH EXCEED A SLOPE OF 1 FOOT VERTICAL ELEVATION CHANGE FOR EVERY 4 FEET OF HORIZONTAL LENGTH (4:1).

X TURF IS PROHIBITED IN PARKWAYS LESS THAN TEN (10) FEET WIDE, EXCEPT FOR PARKWAYS ADJACENT TO A PARKING STRIP AND USED TO ENTER OR EXIT VEHICLES.

X ANY TURF IN PARKWAYS MUST BE IRRIGATED BY SUBSURFACE IRRIGATION OR BY OTHER TECHNOLOGY THAT CREATES NO OVERSPRAY OR RUNOFF.

NON-TURF PLANT MATERIAL SHALL COMPLY WITH THE FOLLOWING

X FOR NON-RESIDENTIAL AREAS, LOW WATER USE OR NO WATER USE PLANTS (AVERAGE WUCOLS PLANT FACTOR OF 0.3) SHALL BE INSTALLED IN AT ONE HUNDRED PERCENT (100%) OF LANDSCAPE AREA, EXCLUDING AREAS PLANTED IN EDIBLES, AND AREAS USING RECYCLED WATER.

X A MINIMUM OF THREE (3) INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVER, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED.

N/A IF WATER FEATURES ARE INSTALLED, THE SURFACE AREA OF THE WATER FEATURES SHALL NOT EXCEED TWENTY PERCENT (20%) OF THE LANDSCAPE AREA

CITY OF MARINA

DEPARTMENT OF PUBLIC WORKS

211 Hillcrest Avenue
Marina, CA 93933

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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VERDE DESIGN

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN

2455 The Alameda
Santa Clara, CA 95050
tel: 408.985.7200
fax: 408.985.7260
www.VerdeDesignInc.com

REGISTERED LANDSCAPE ARCHITECT

DEREK MCKEE

No. 4148

Signature

EXPIRATION DATE: DEC. 2025

STATE OF CALIFORNIA

GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

WATER EFFICIENT LANDSCAPE CALCULATIONS
L10.2

DESIGNED BY

DRAWN BY

CHECKED BY

JOB NUMBER

SHEET

OF

DL

DL

DFC/DM

QLP2119

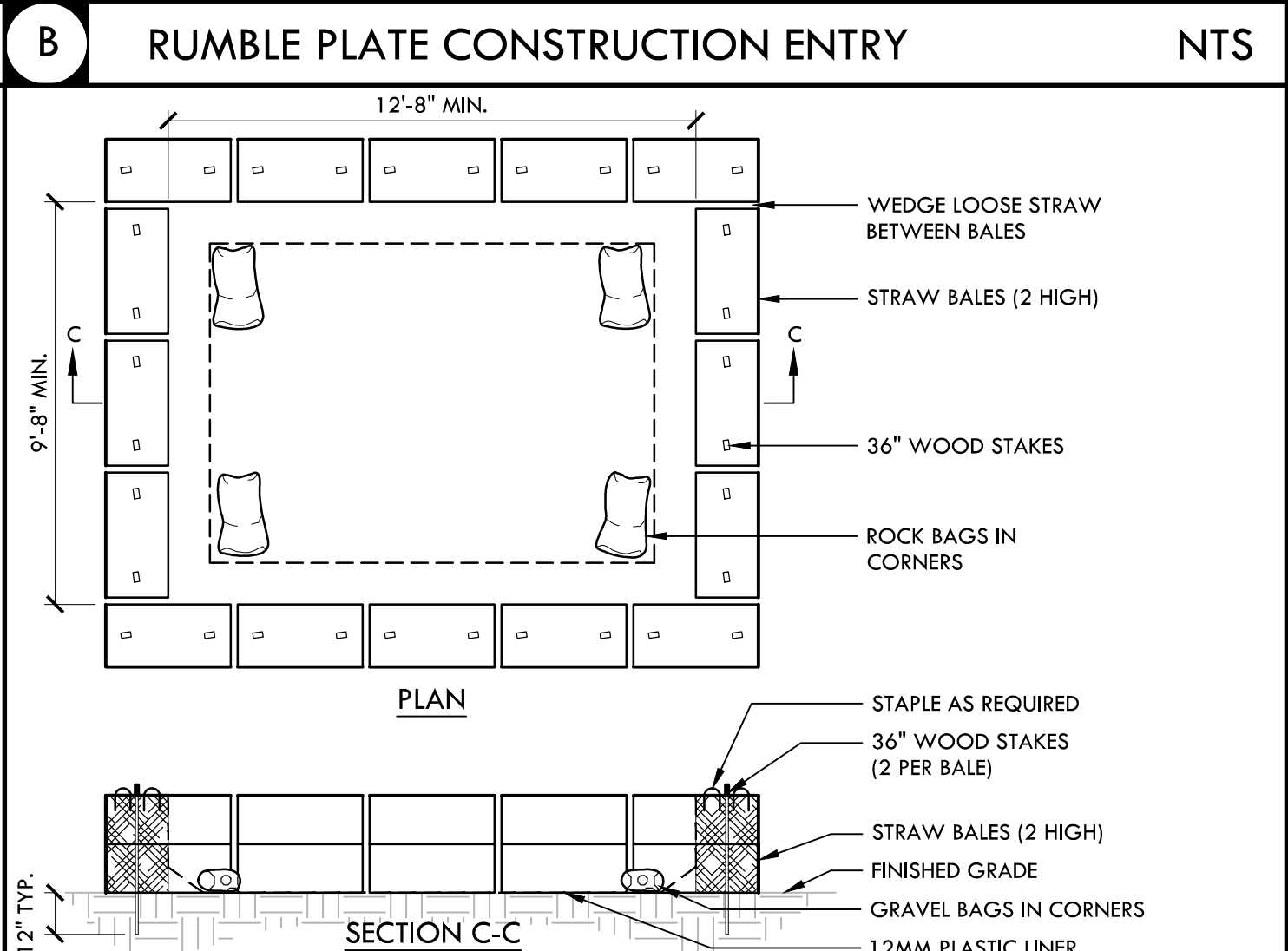
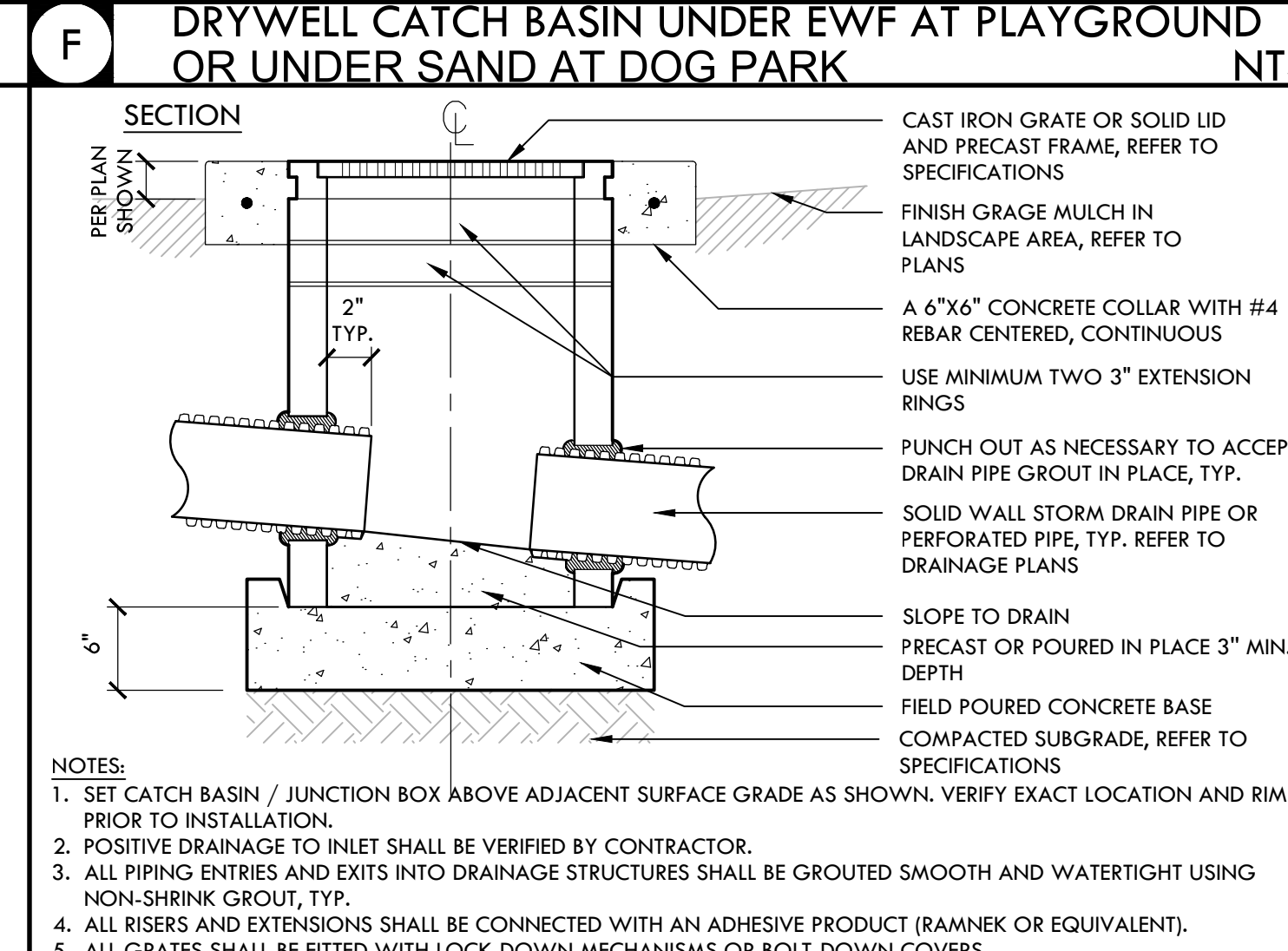
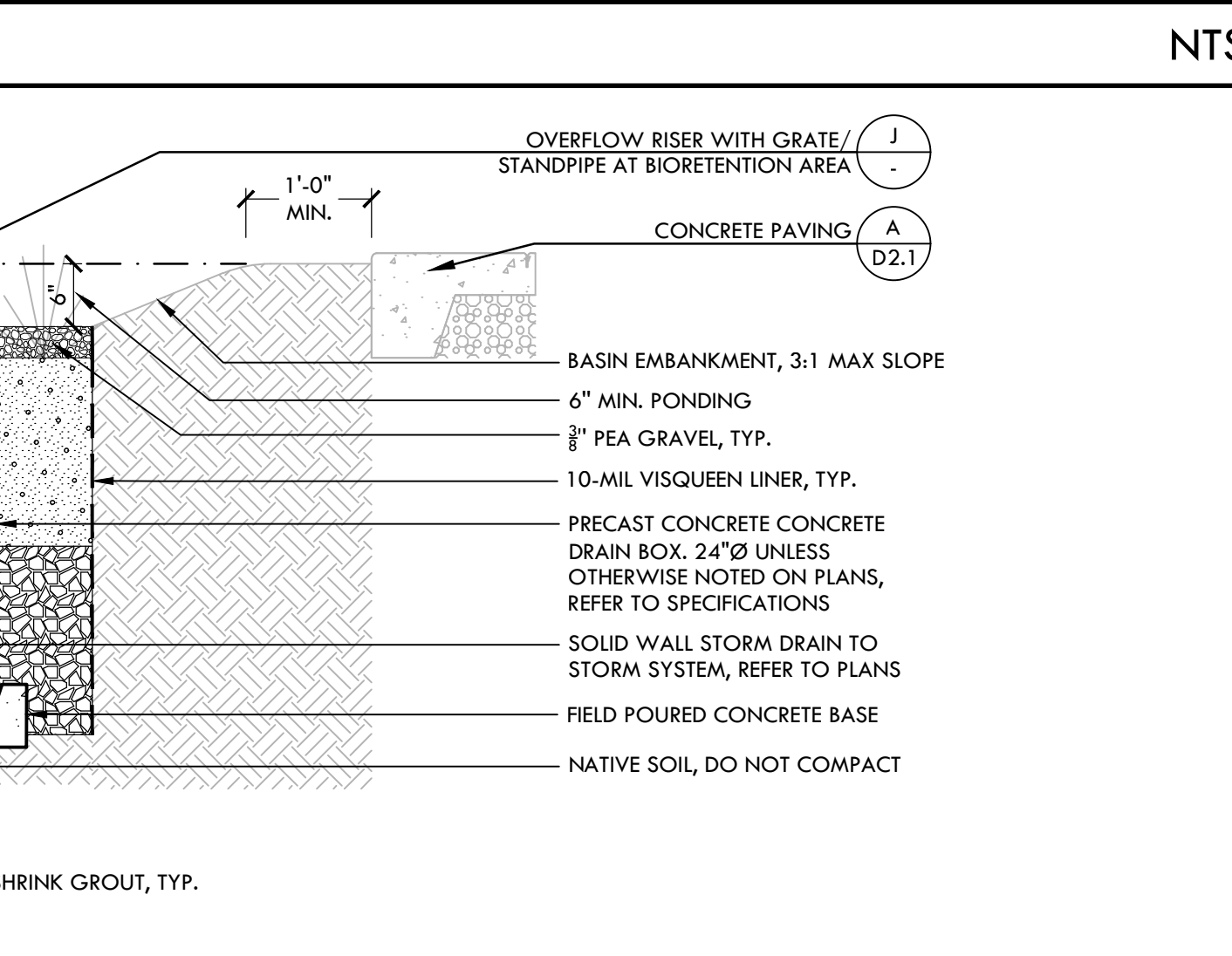
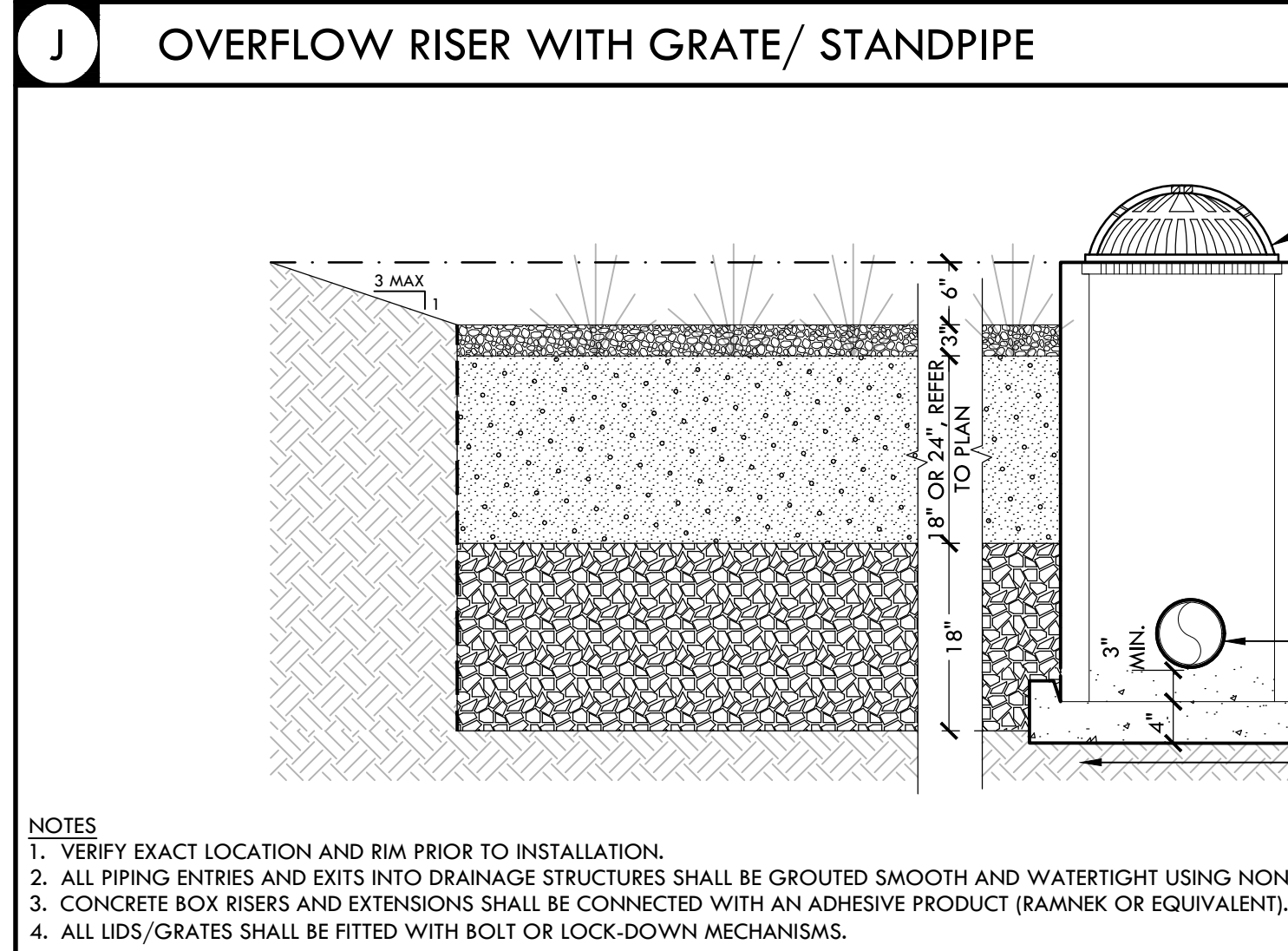
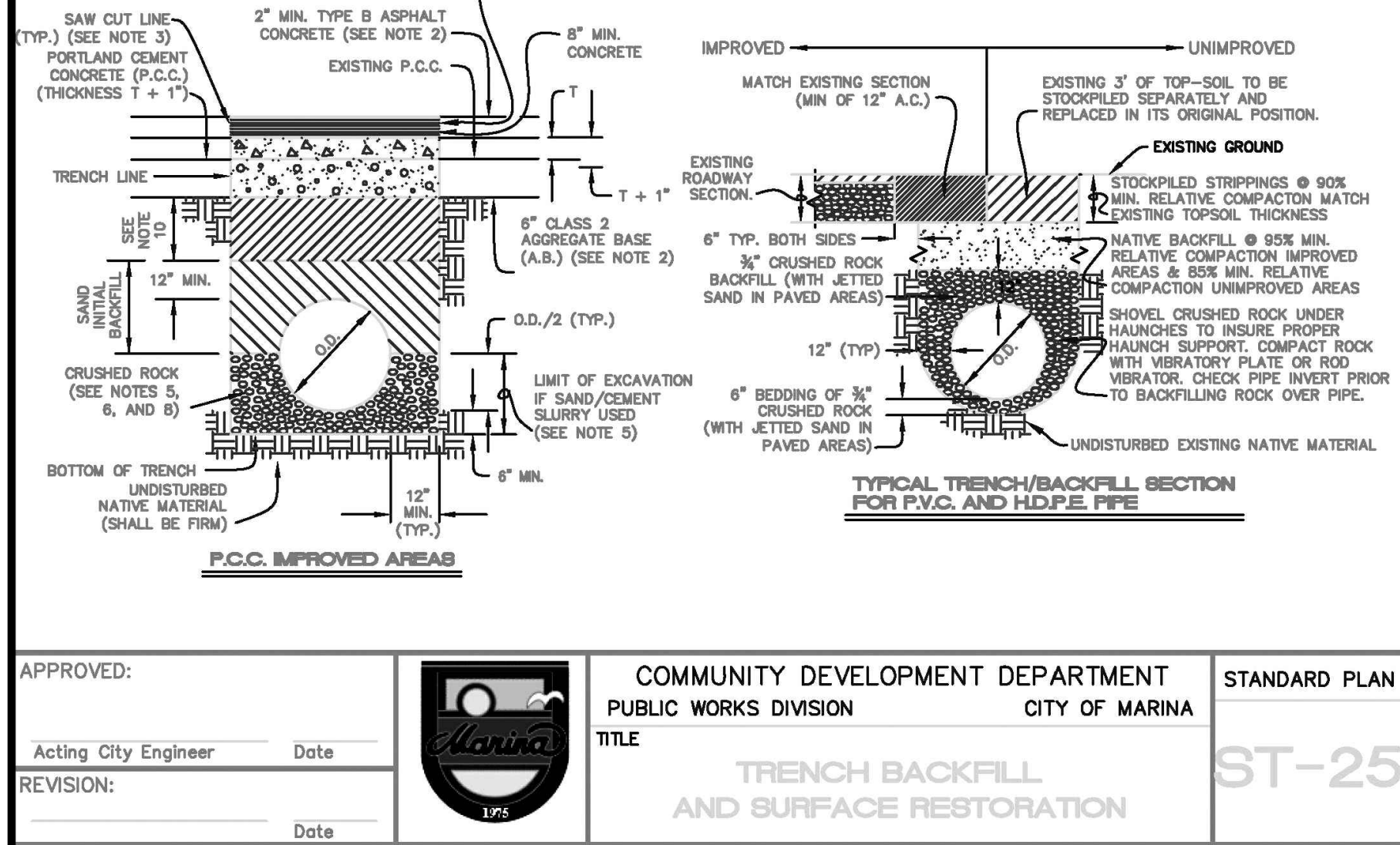
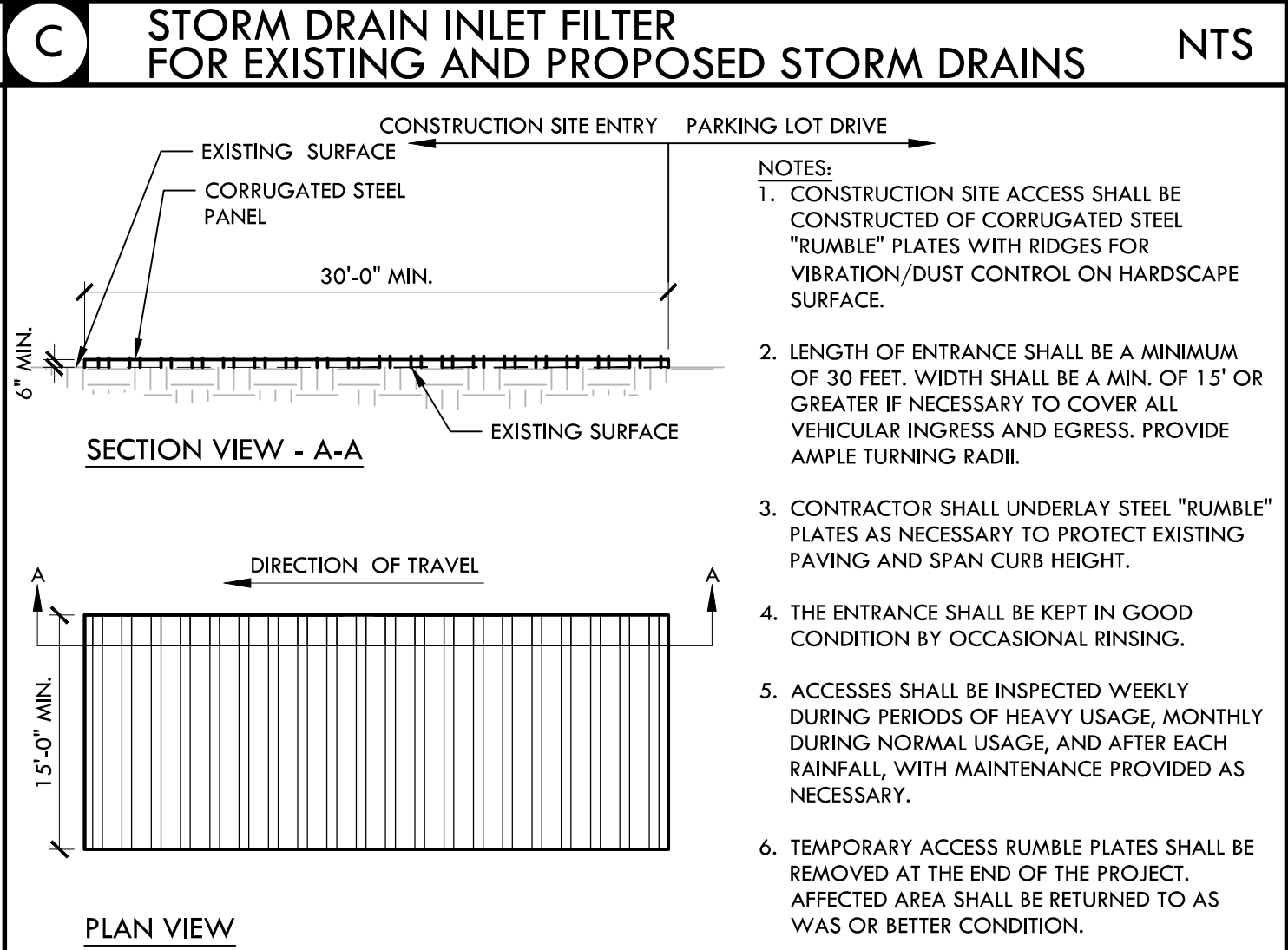
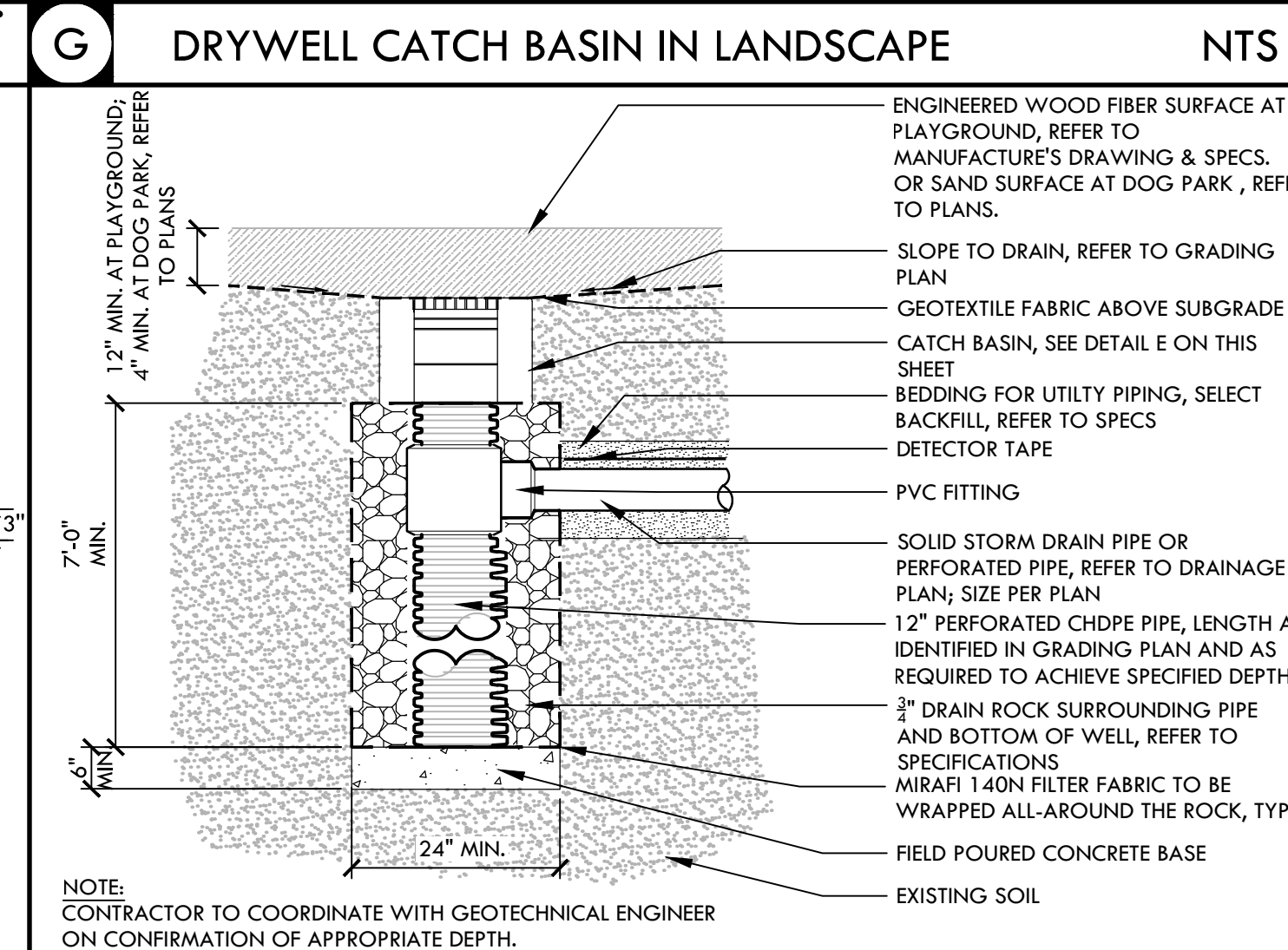
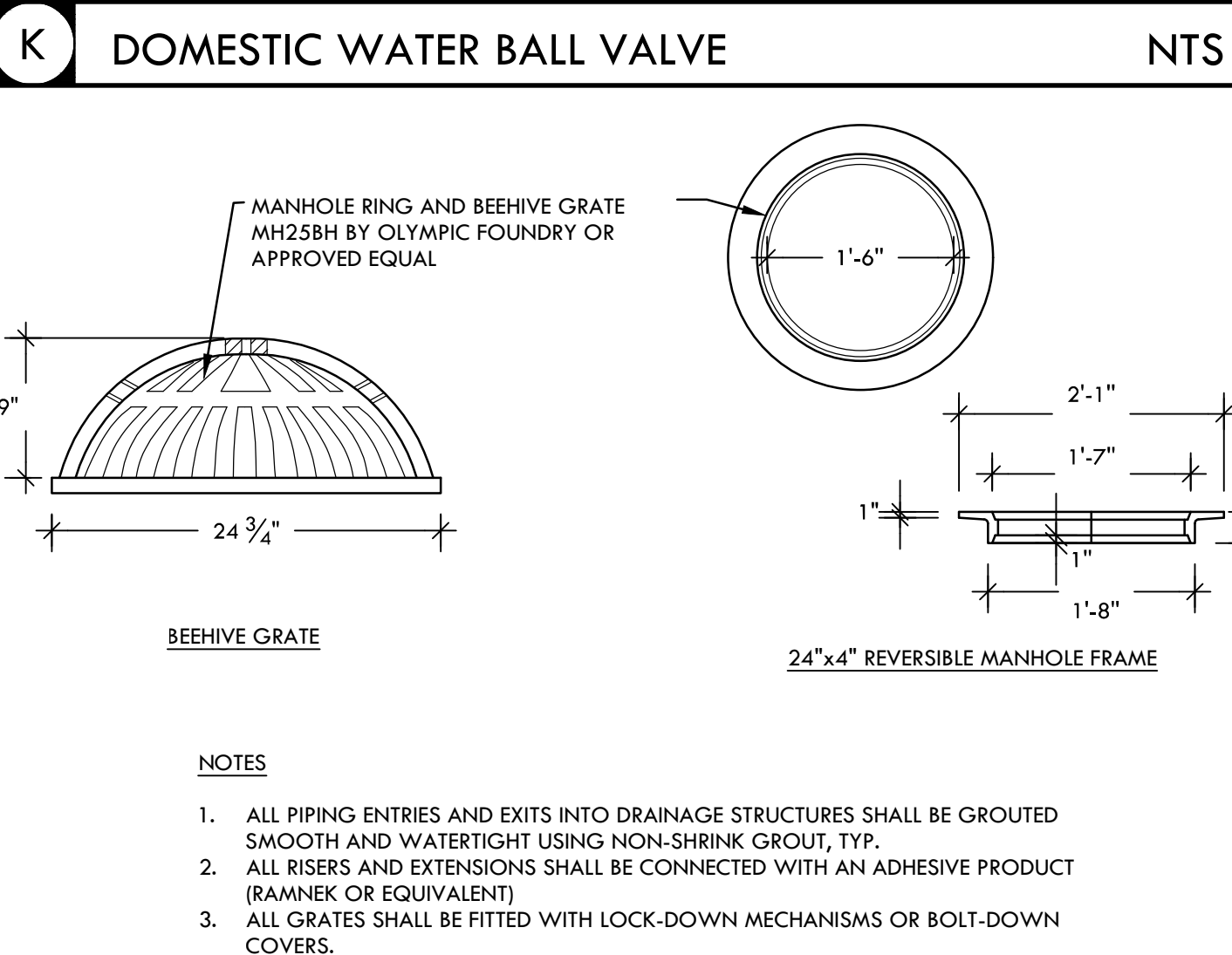
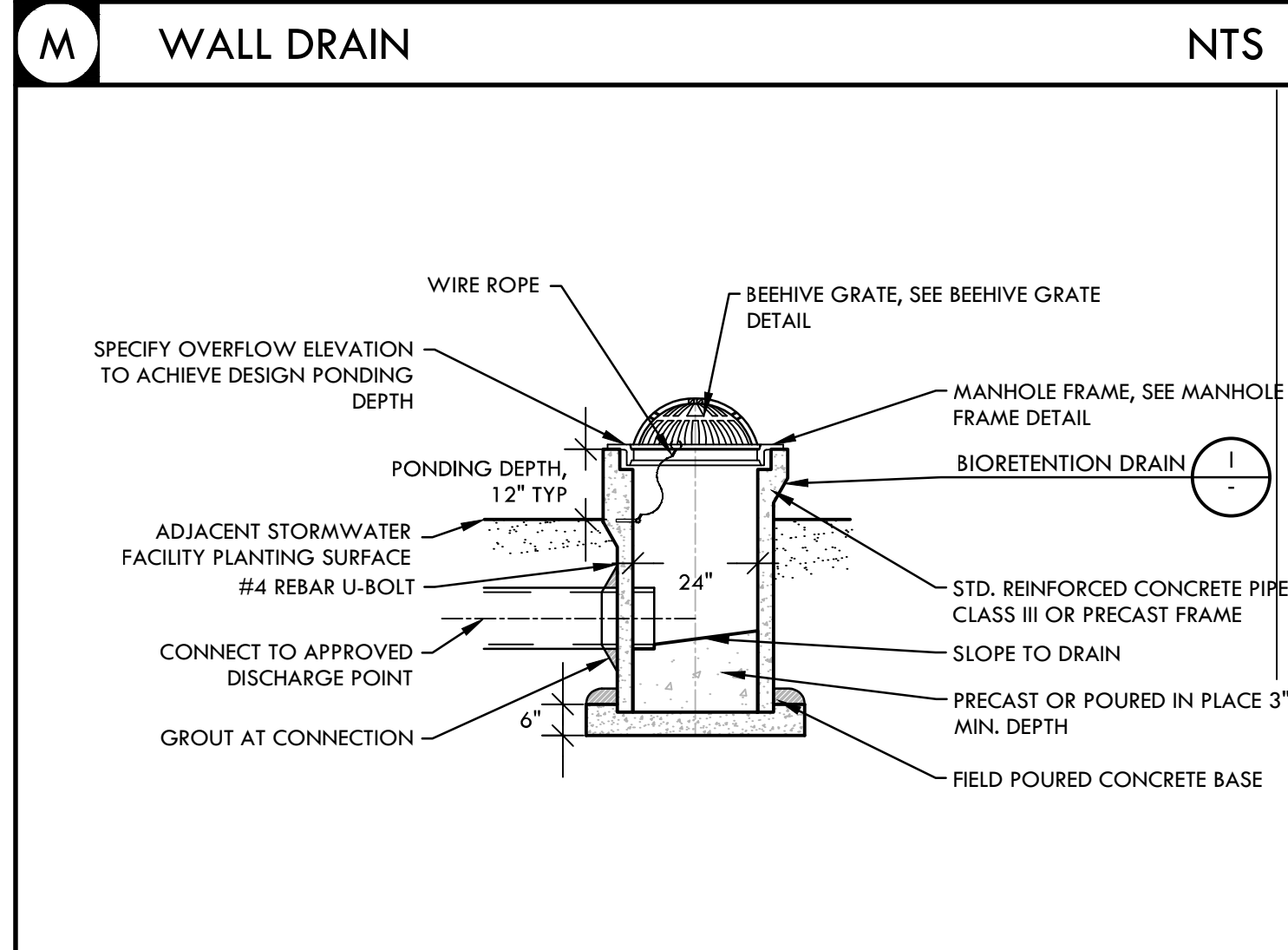
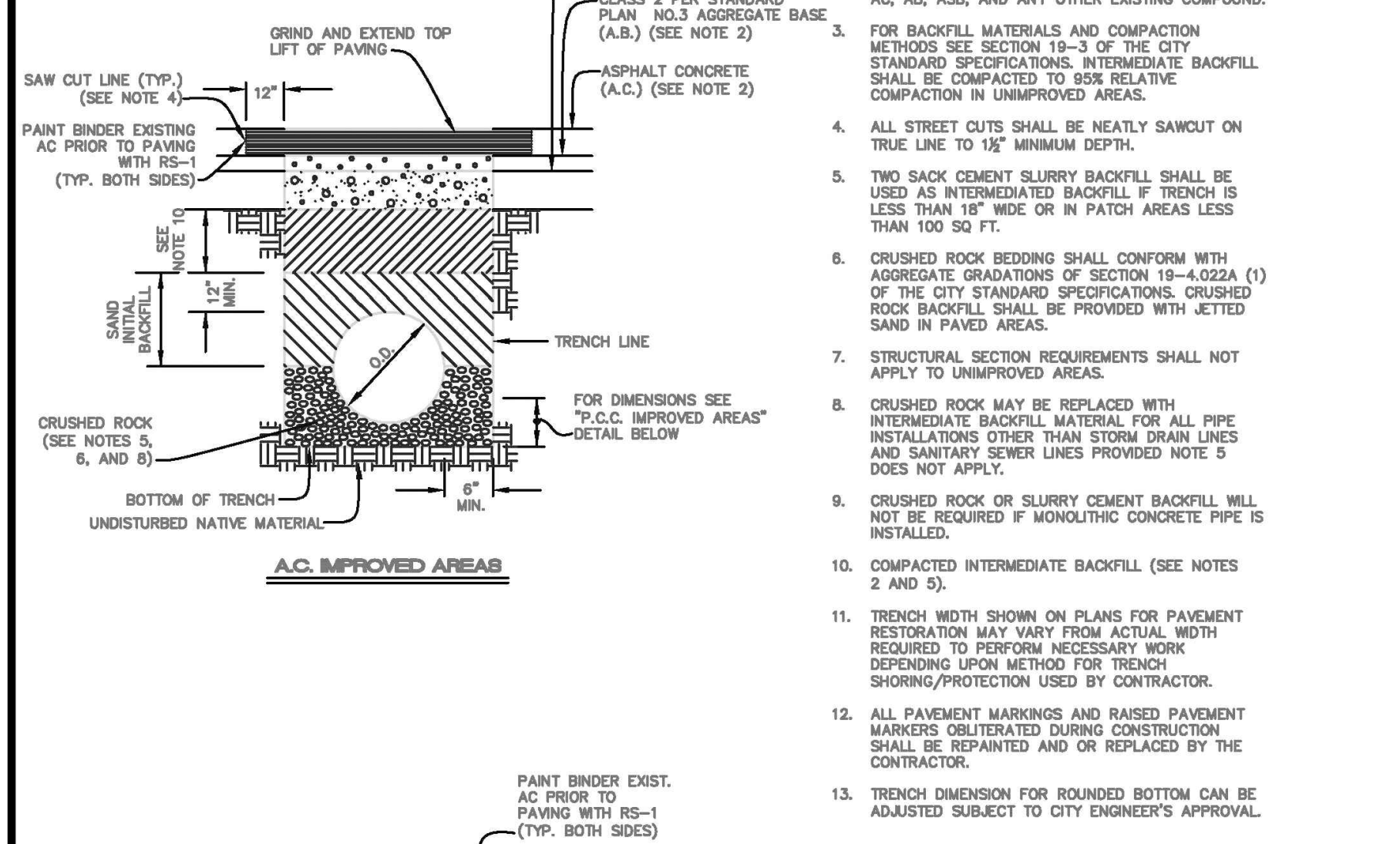
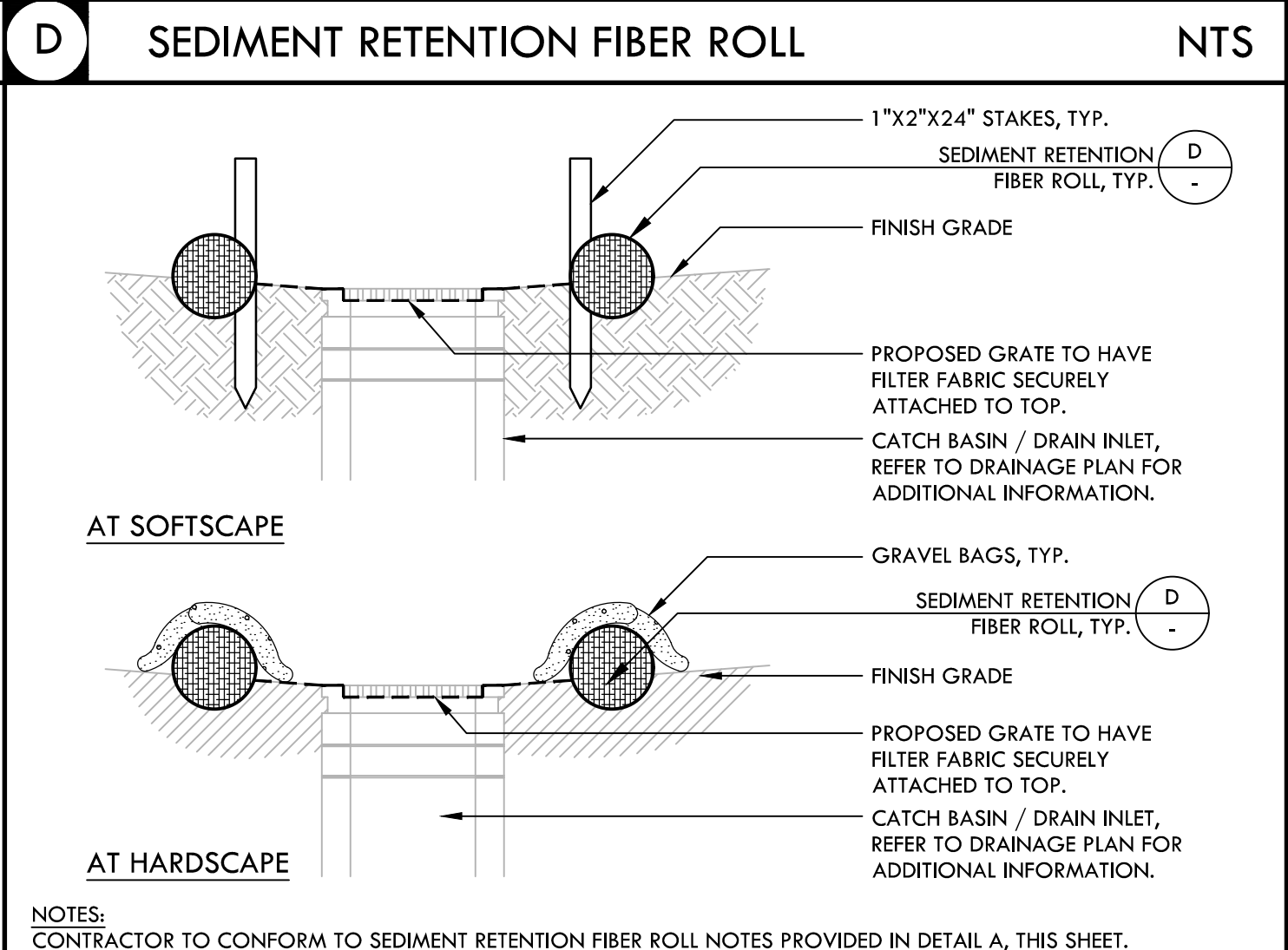
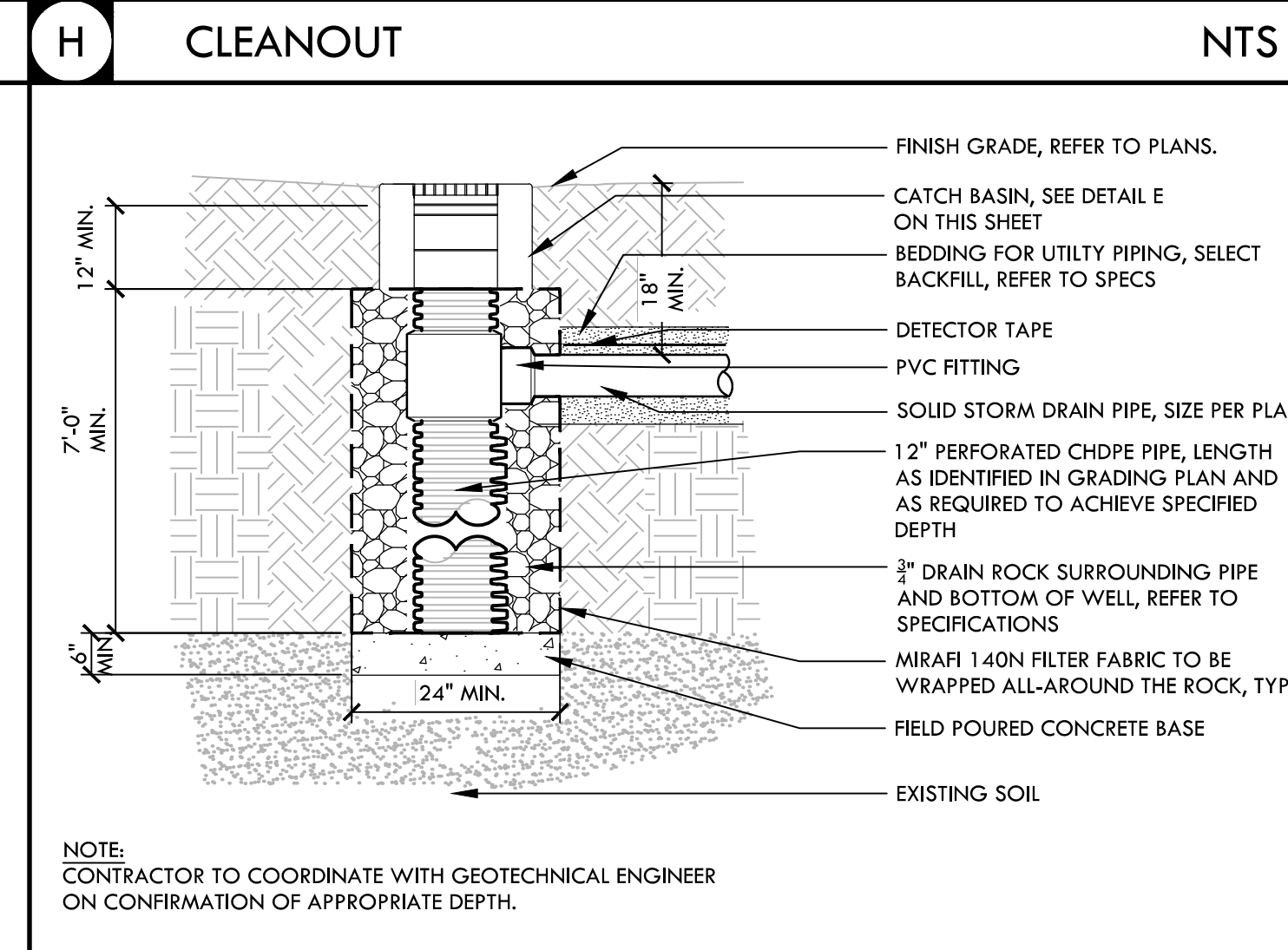
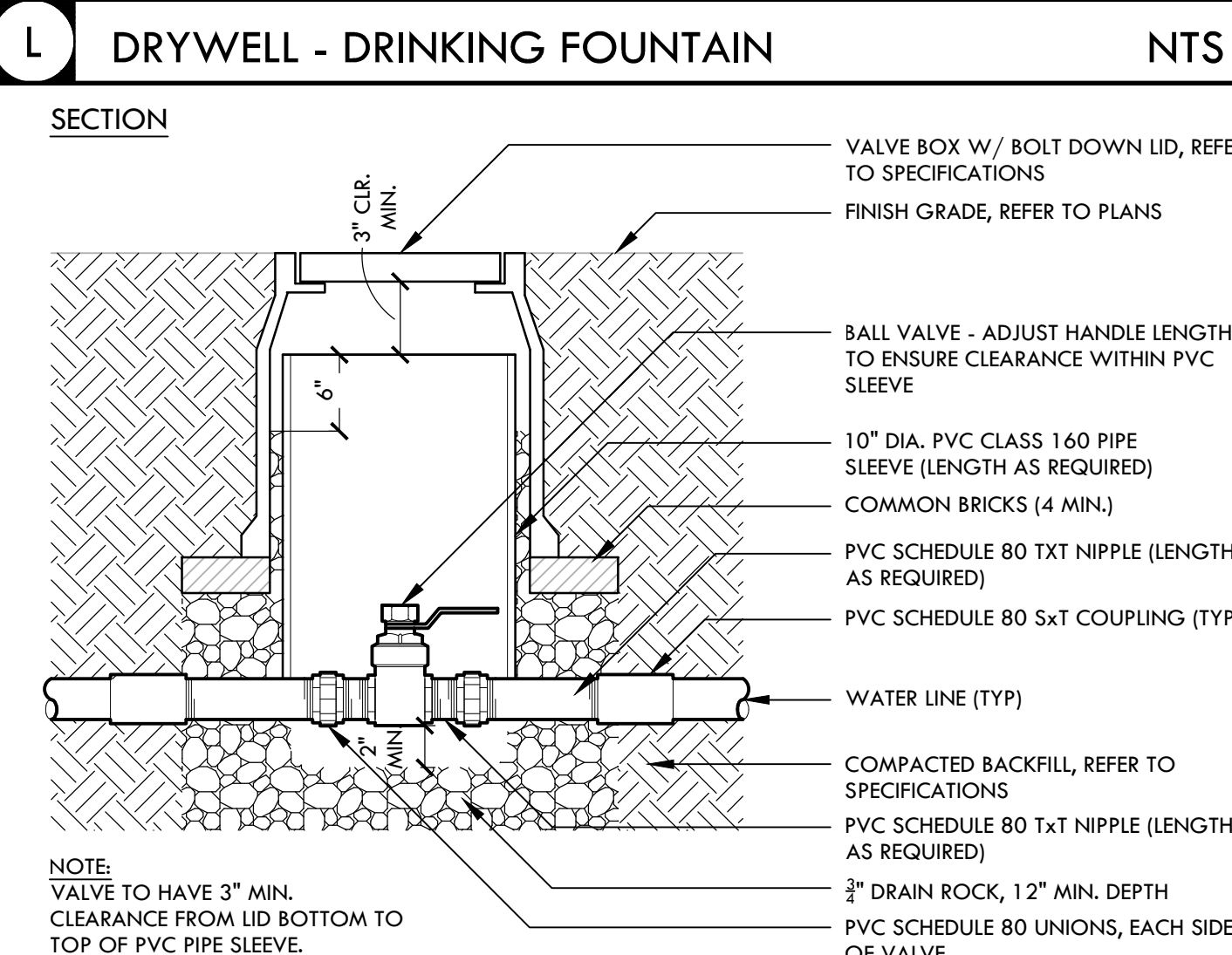
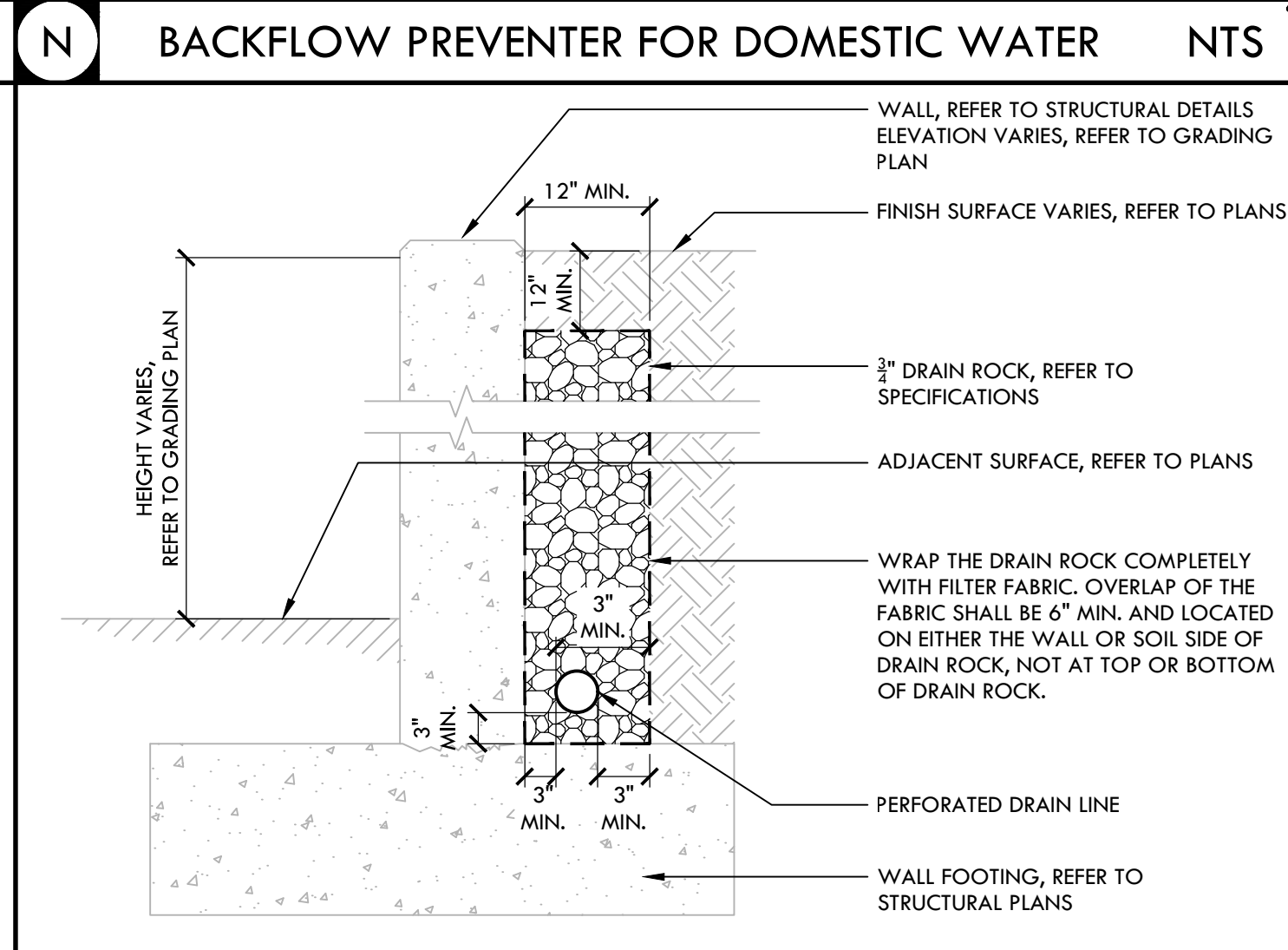
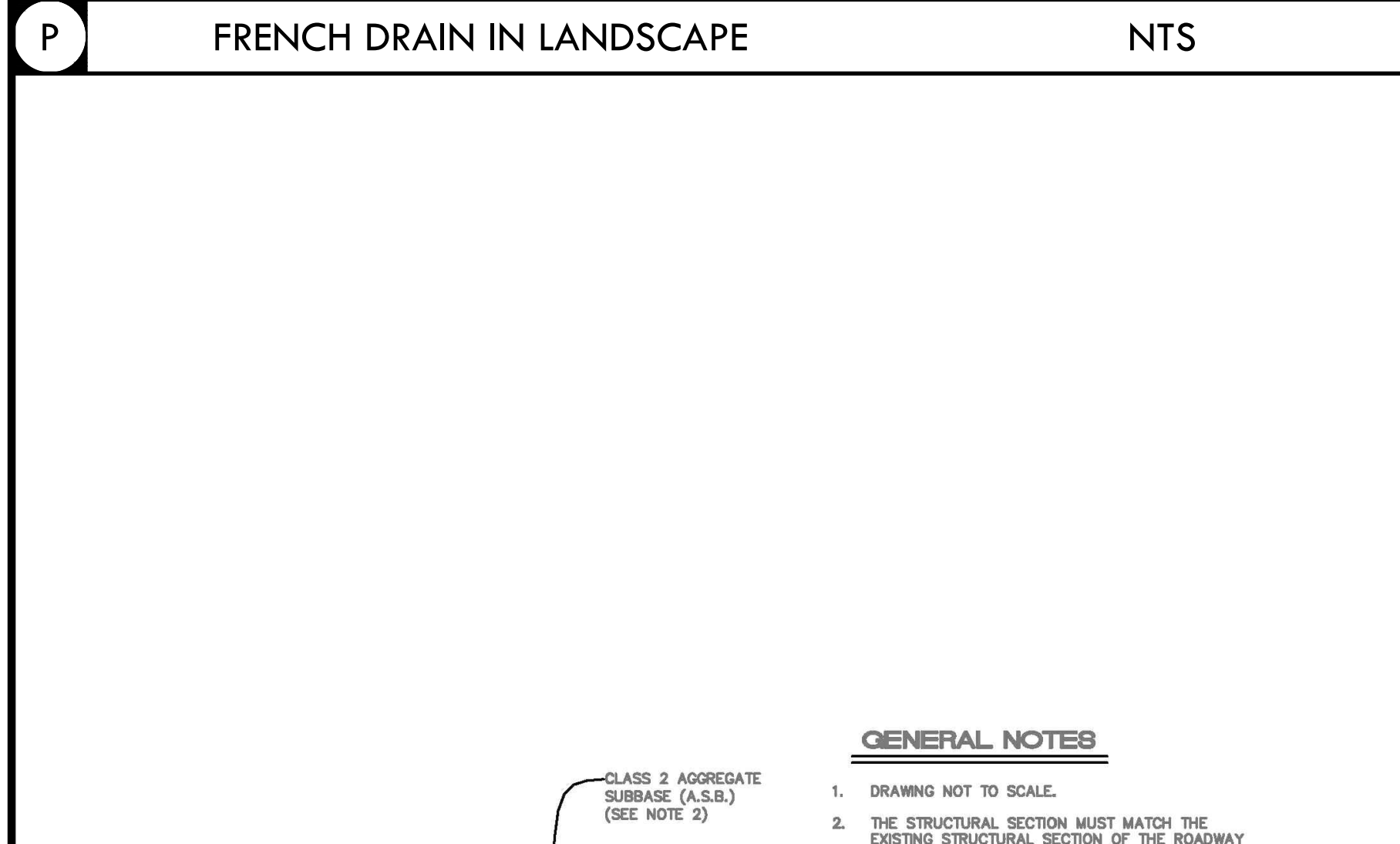
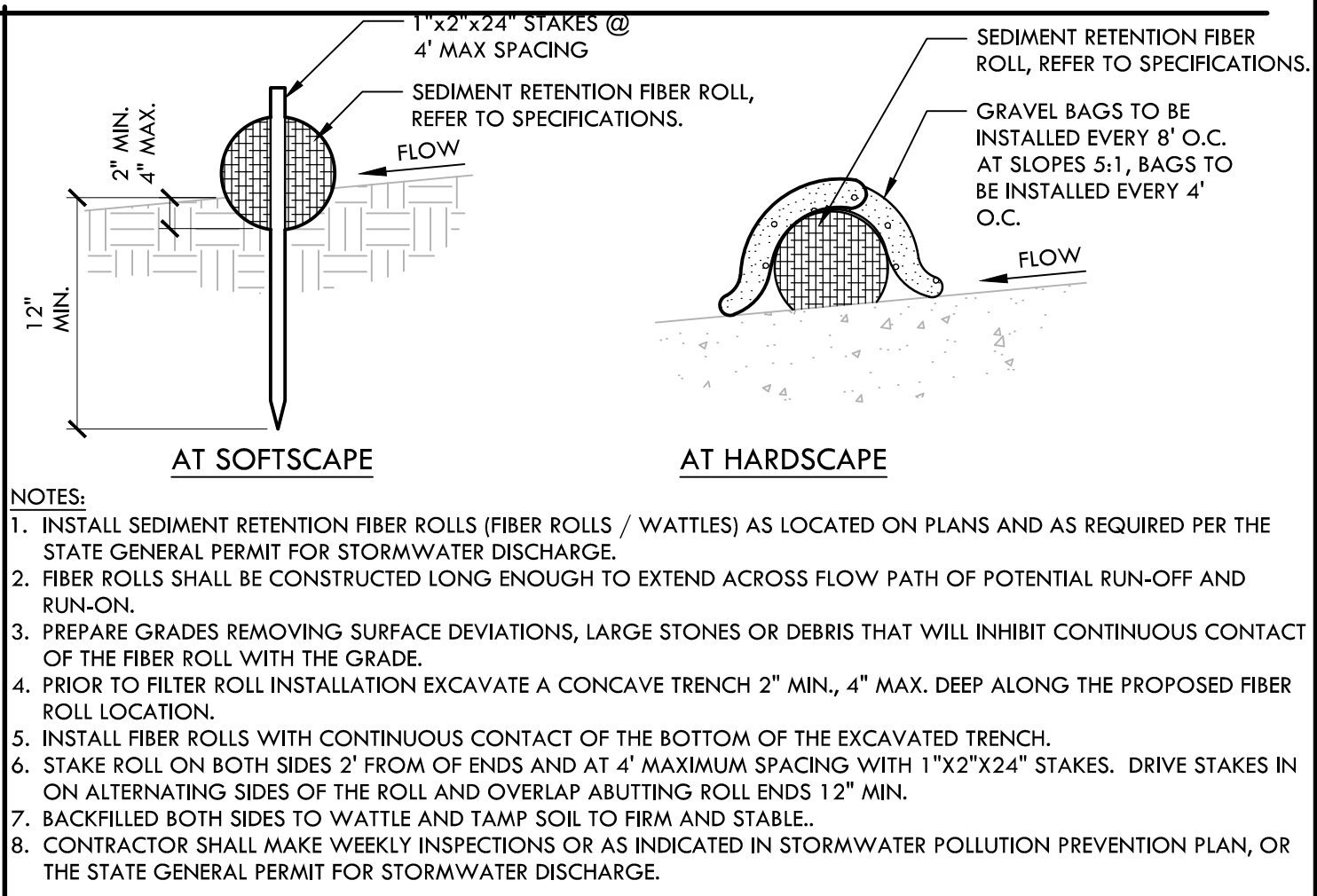
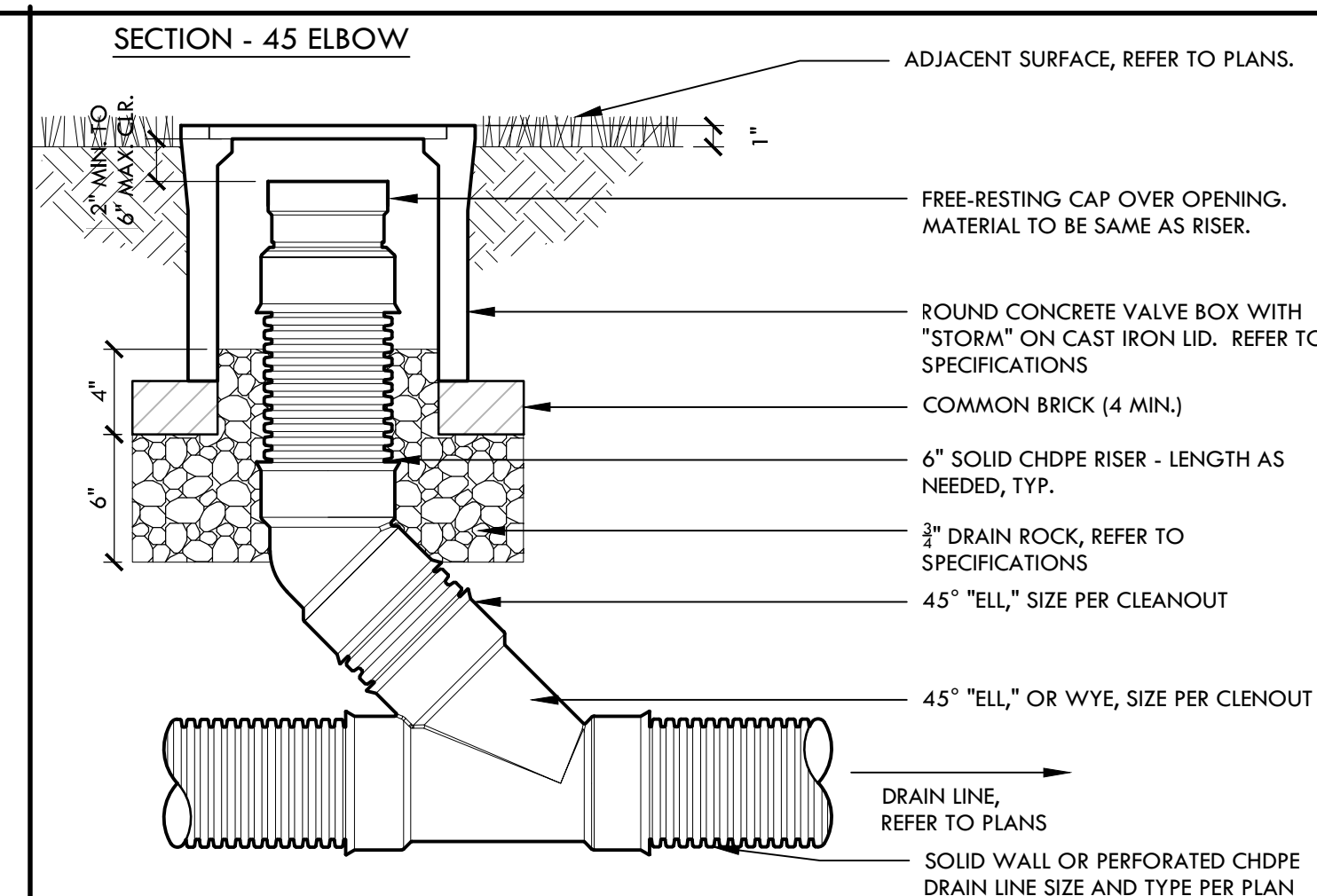
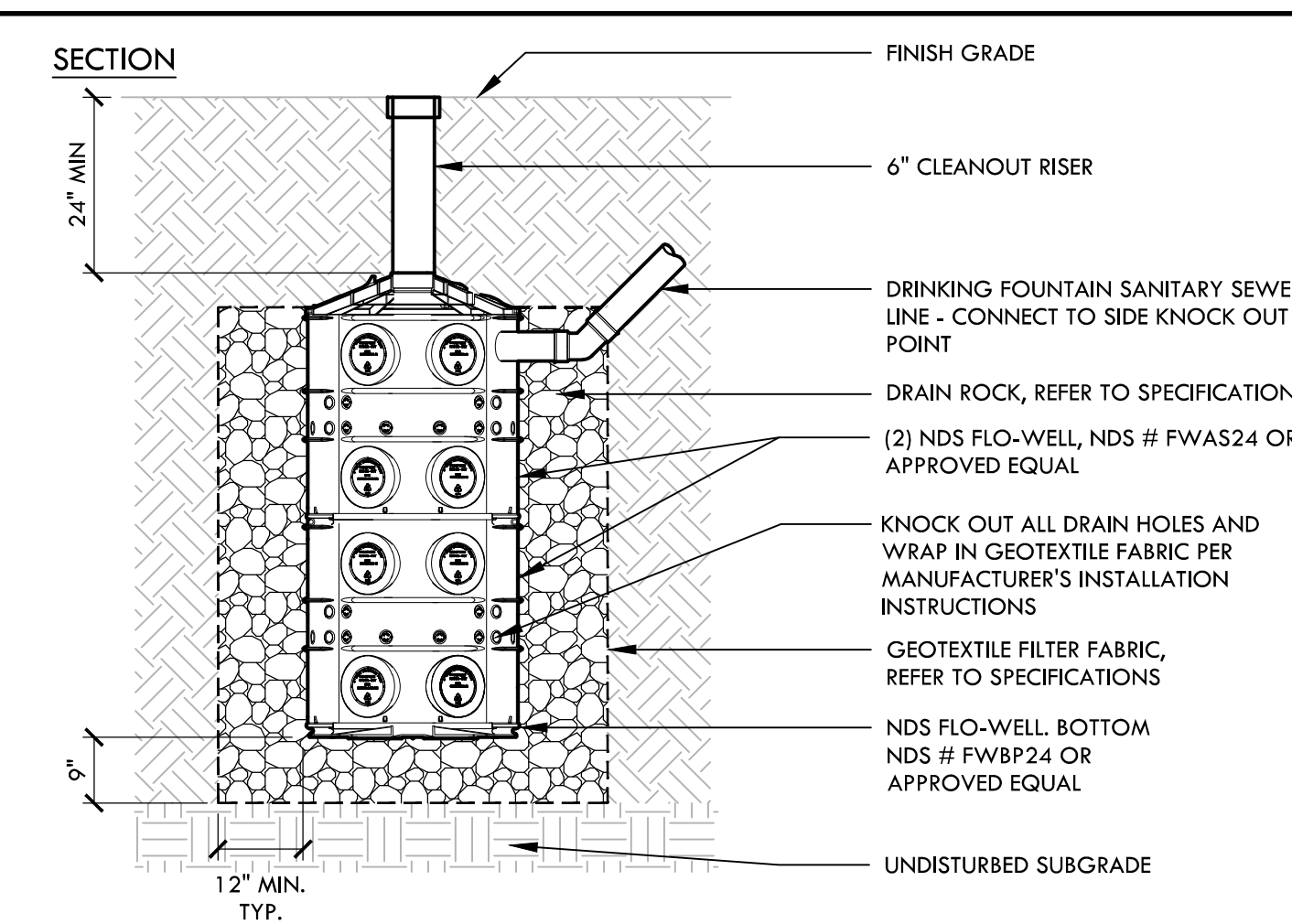
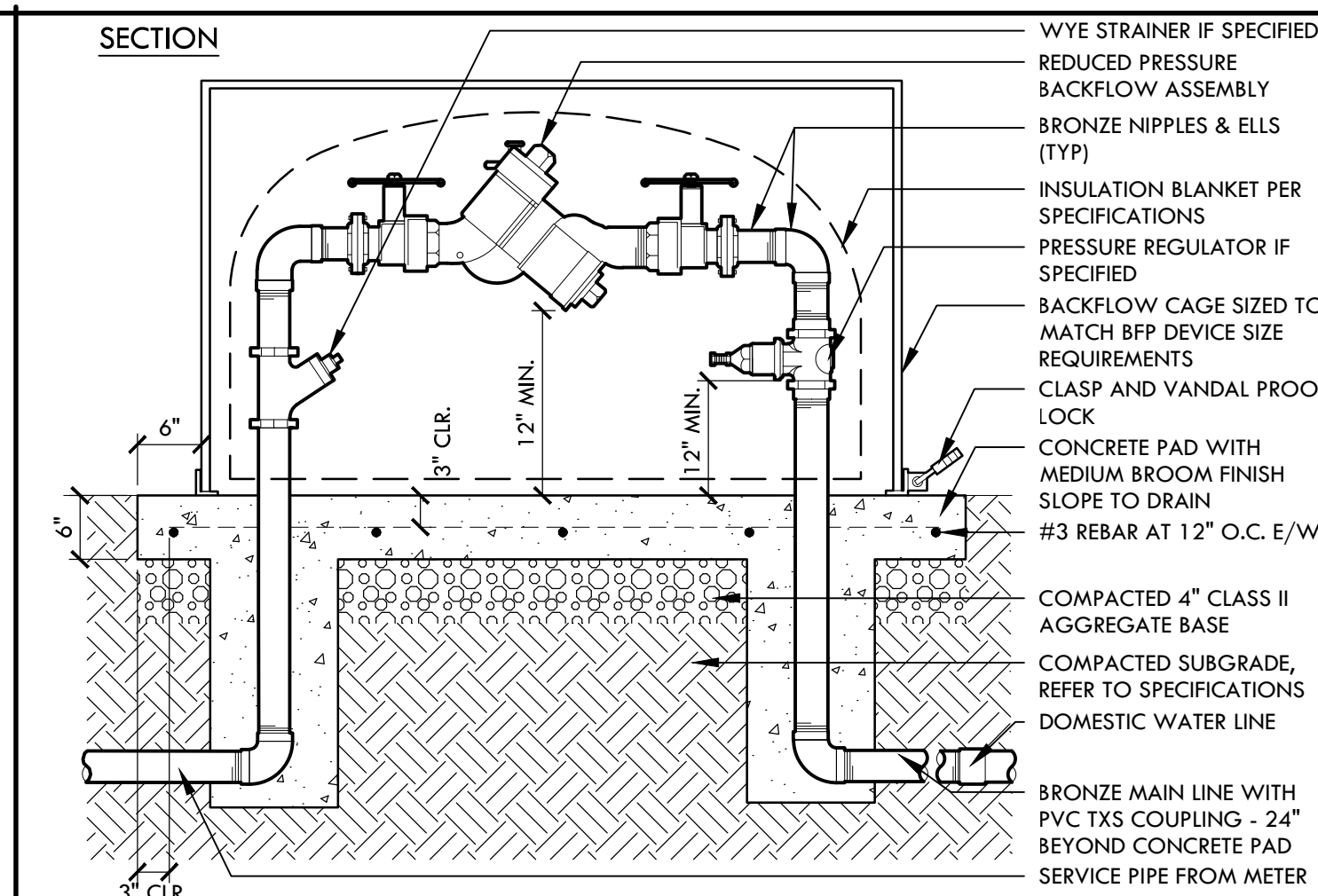
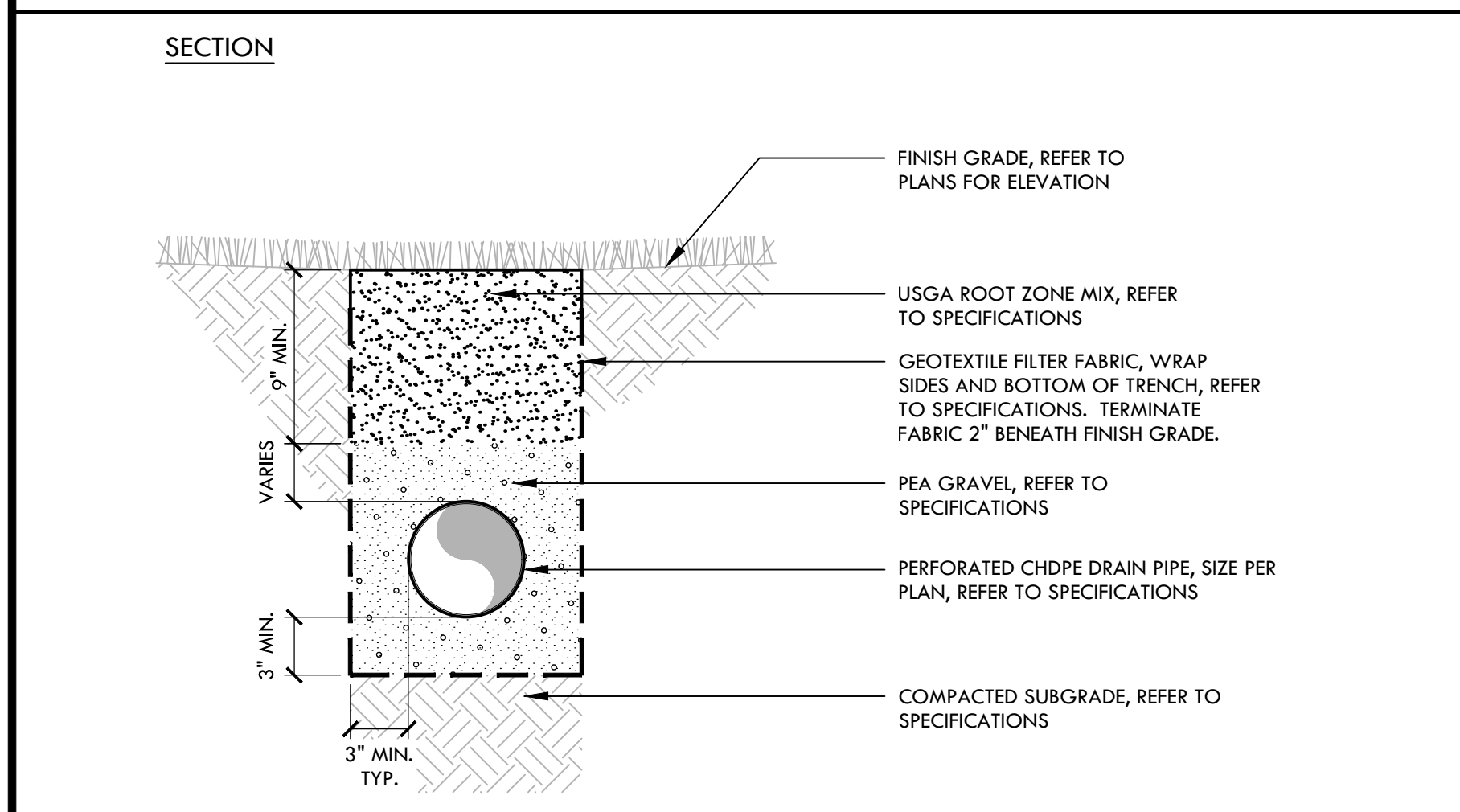
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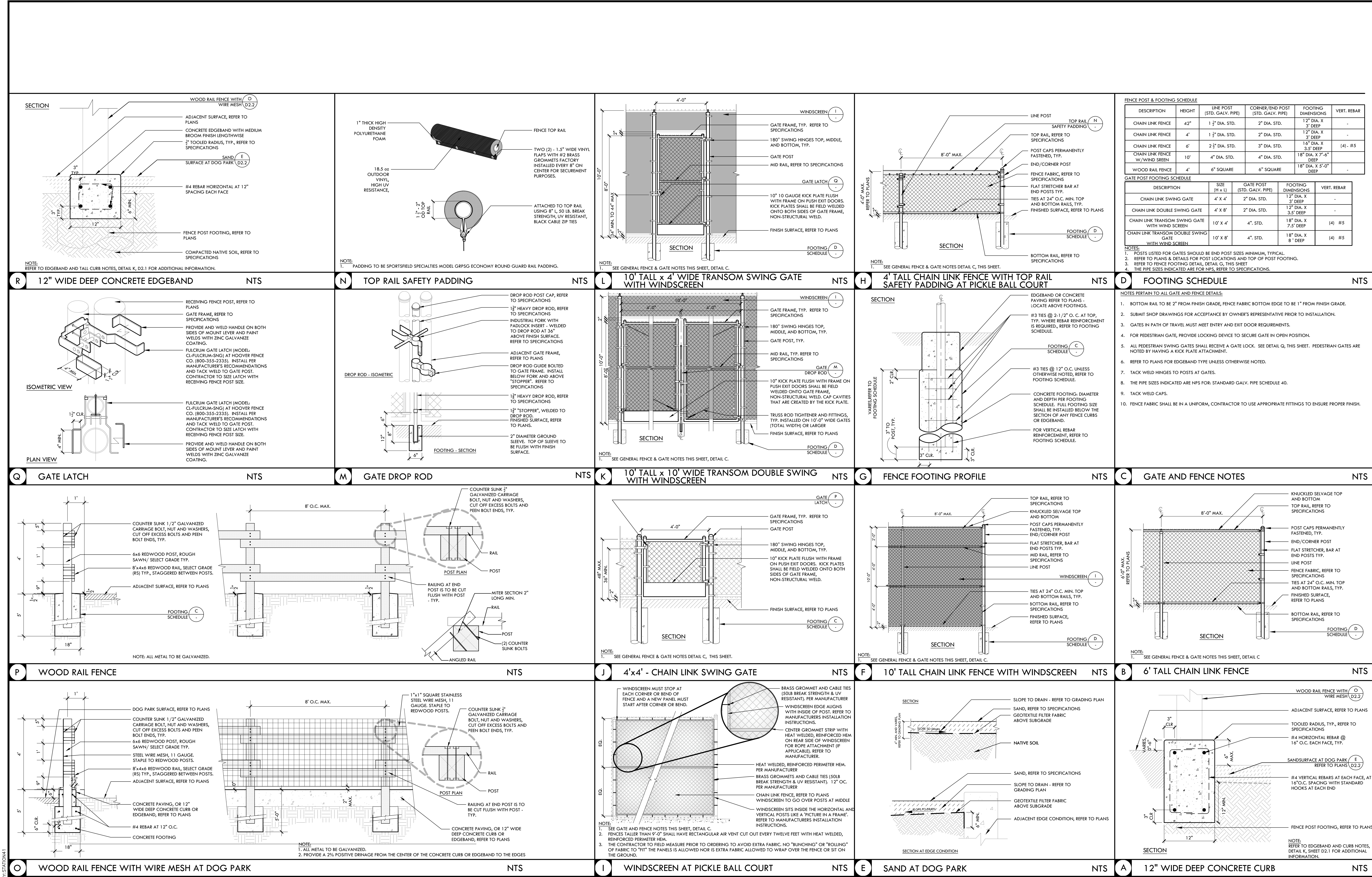
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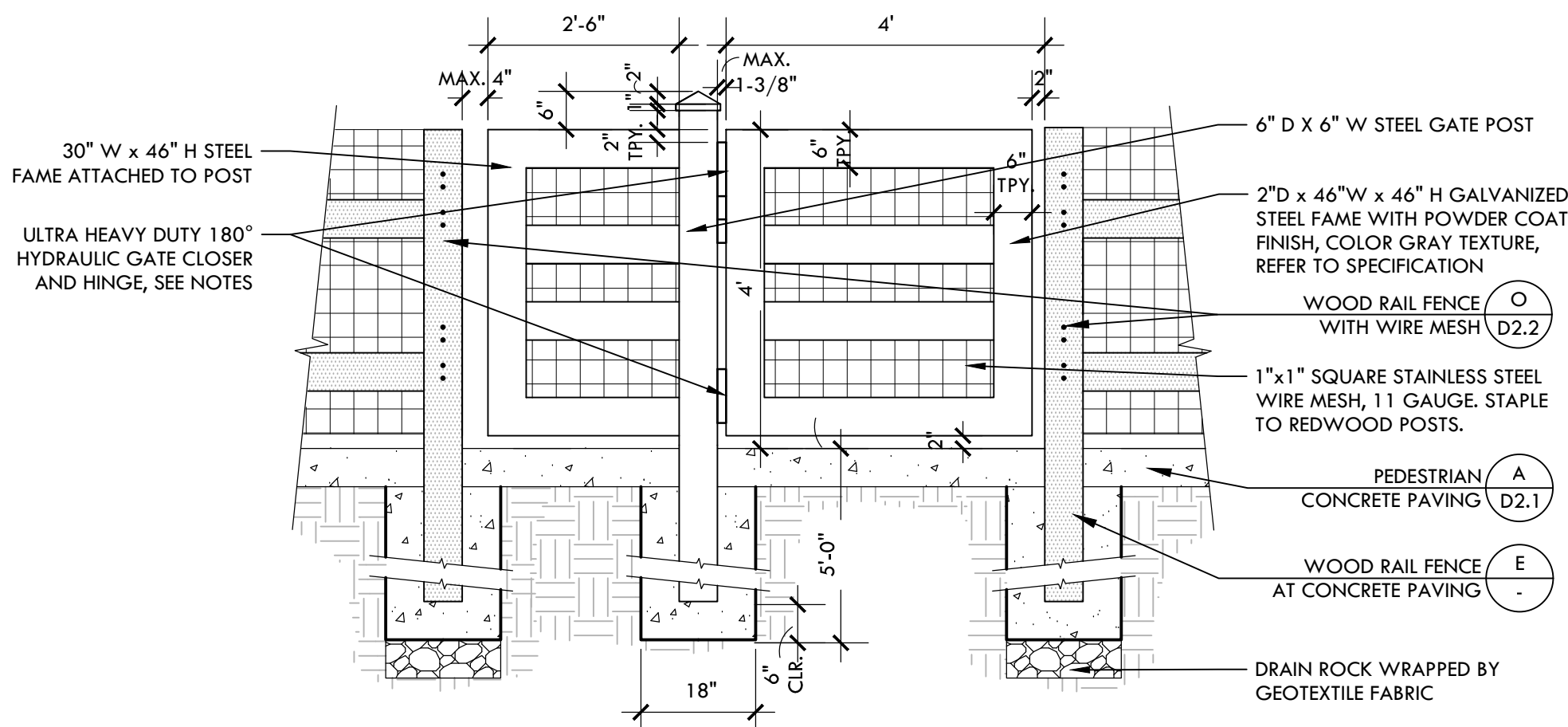
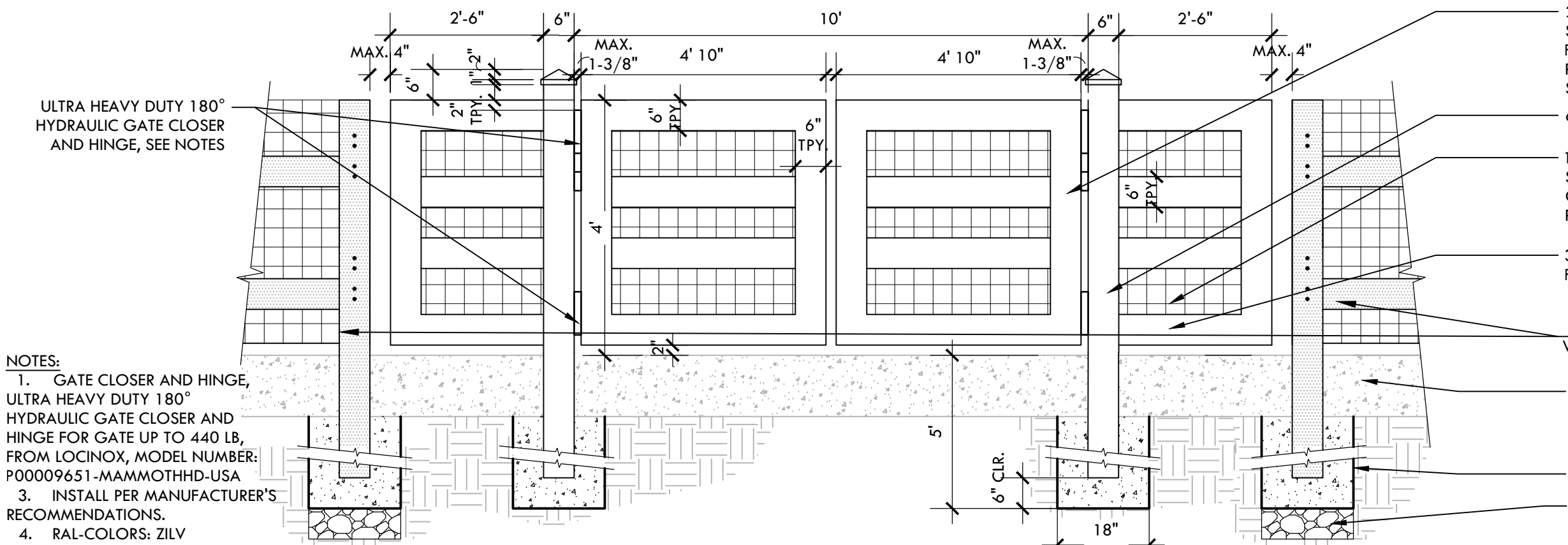
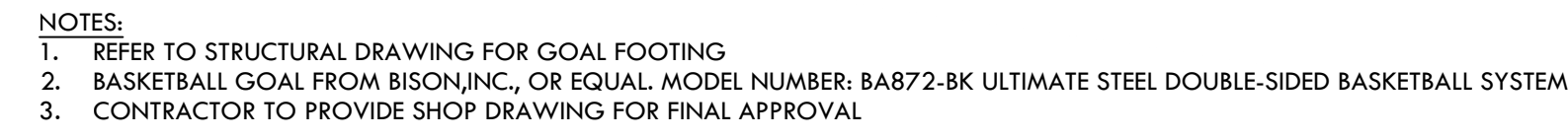
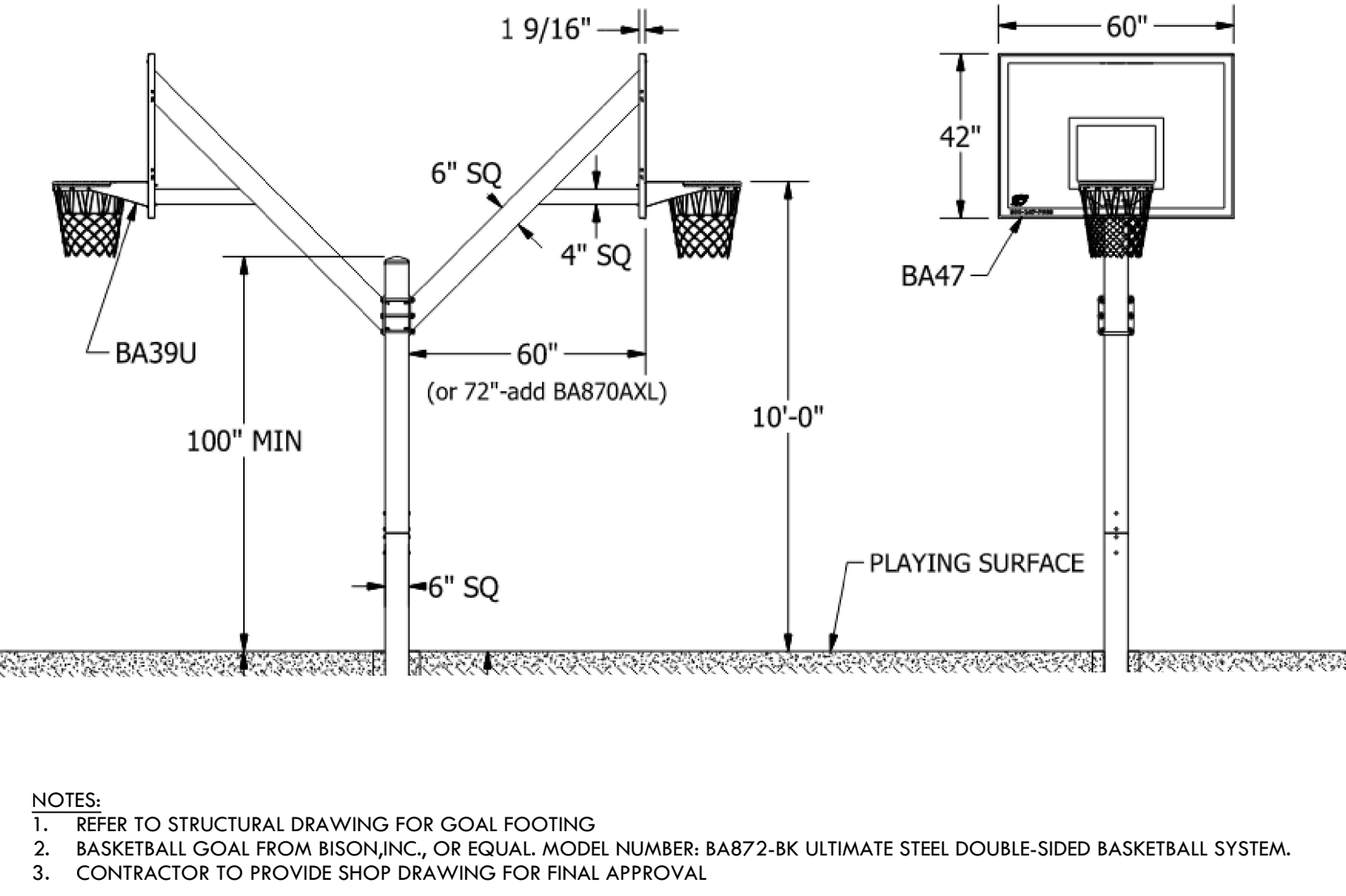
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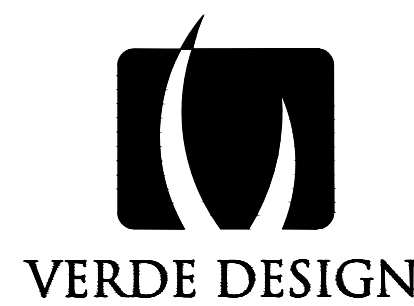




CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

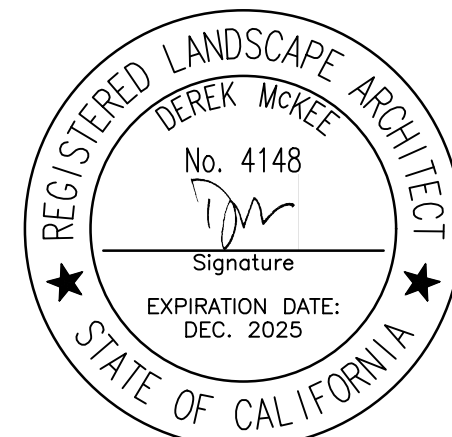
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**LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
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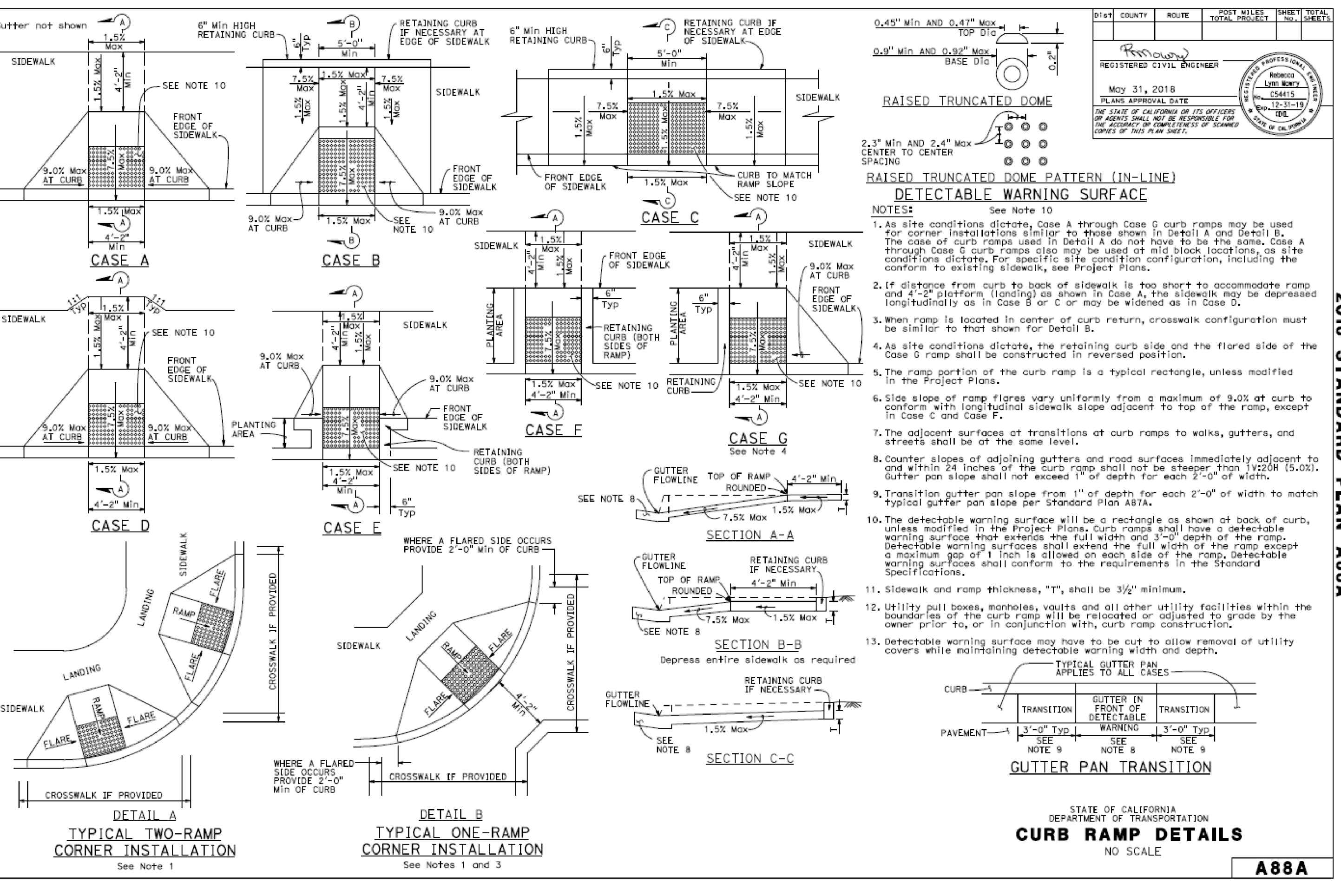
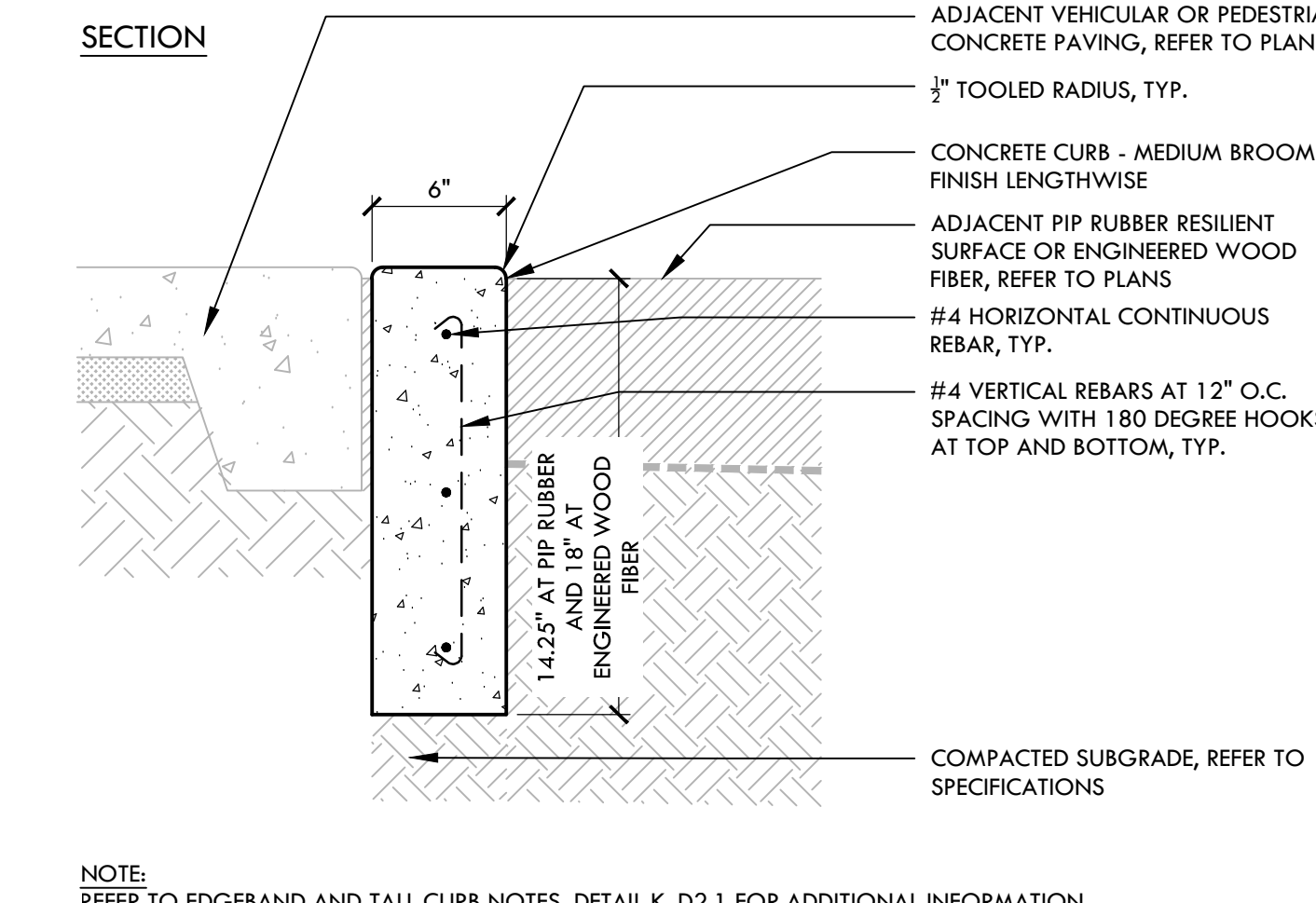
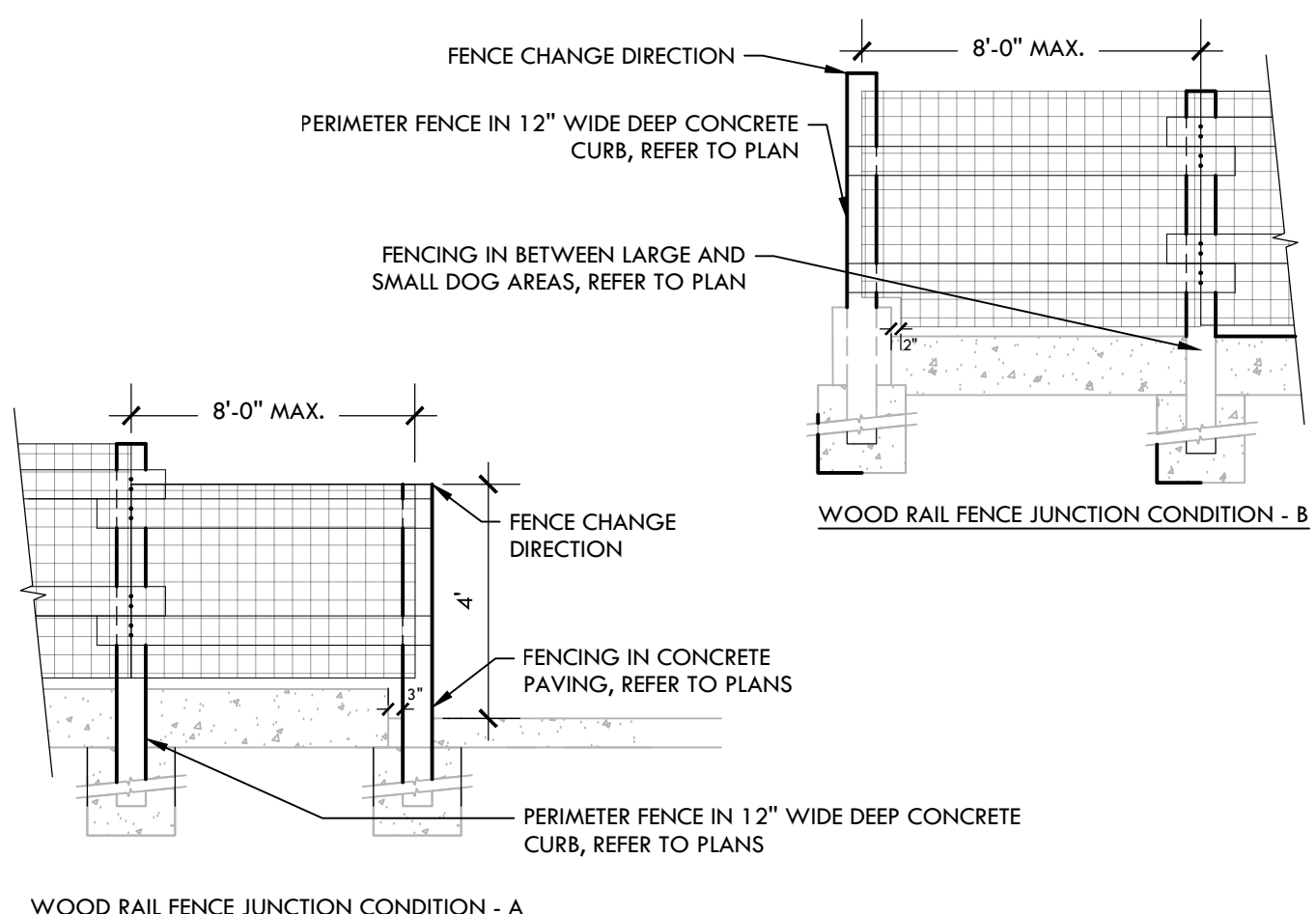
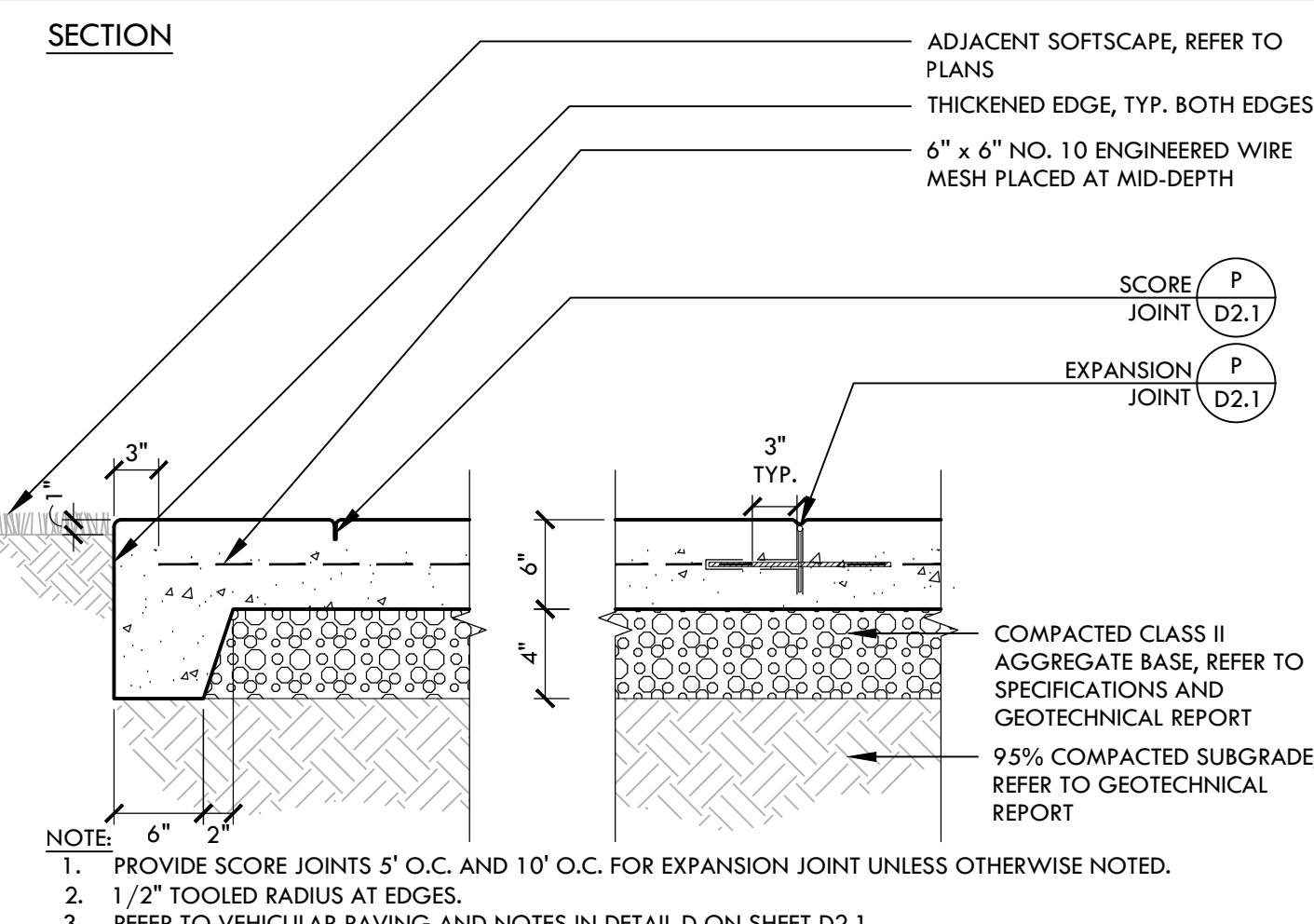
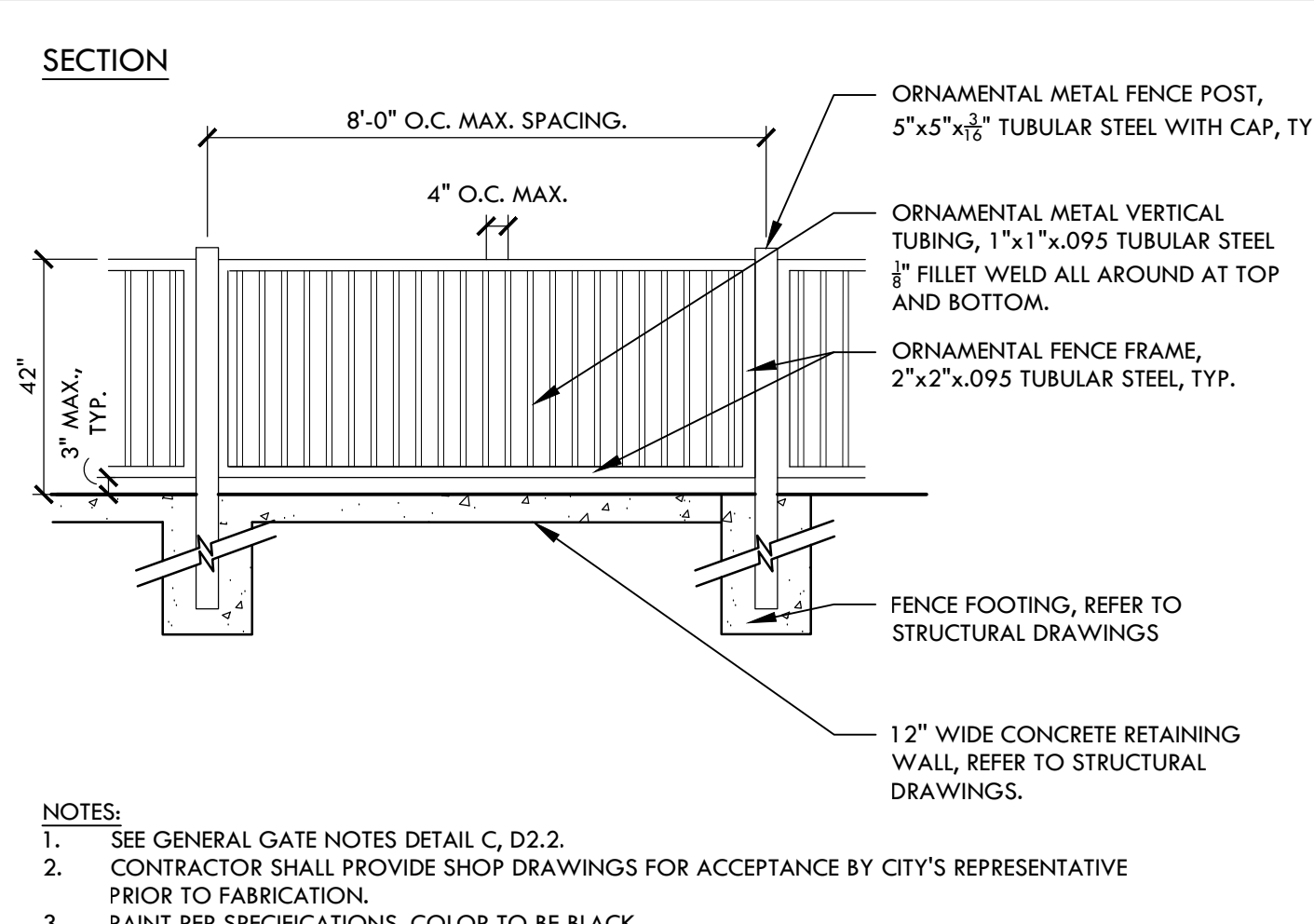
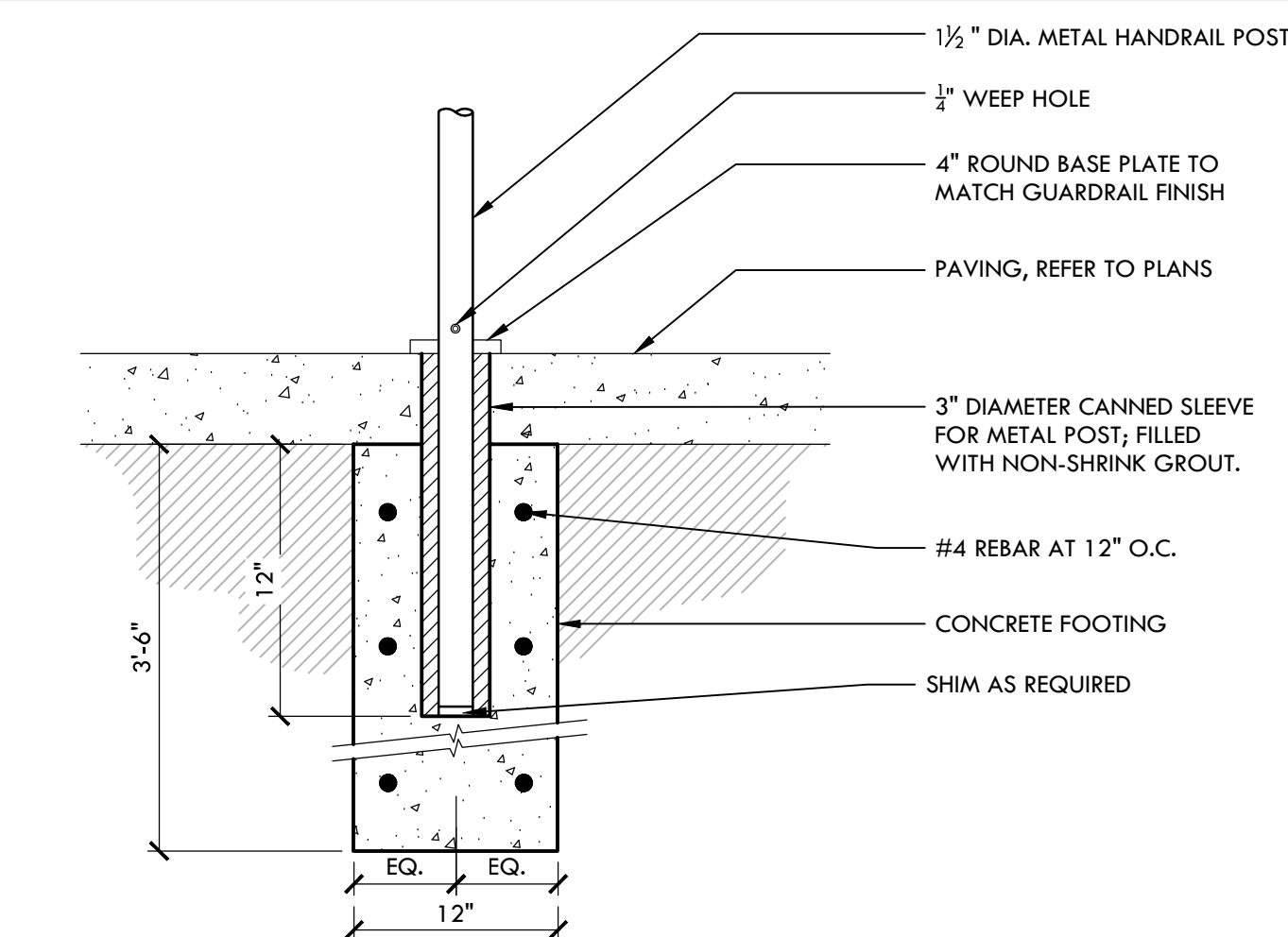
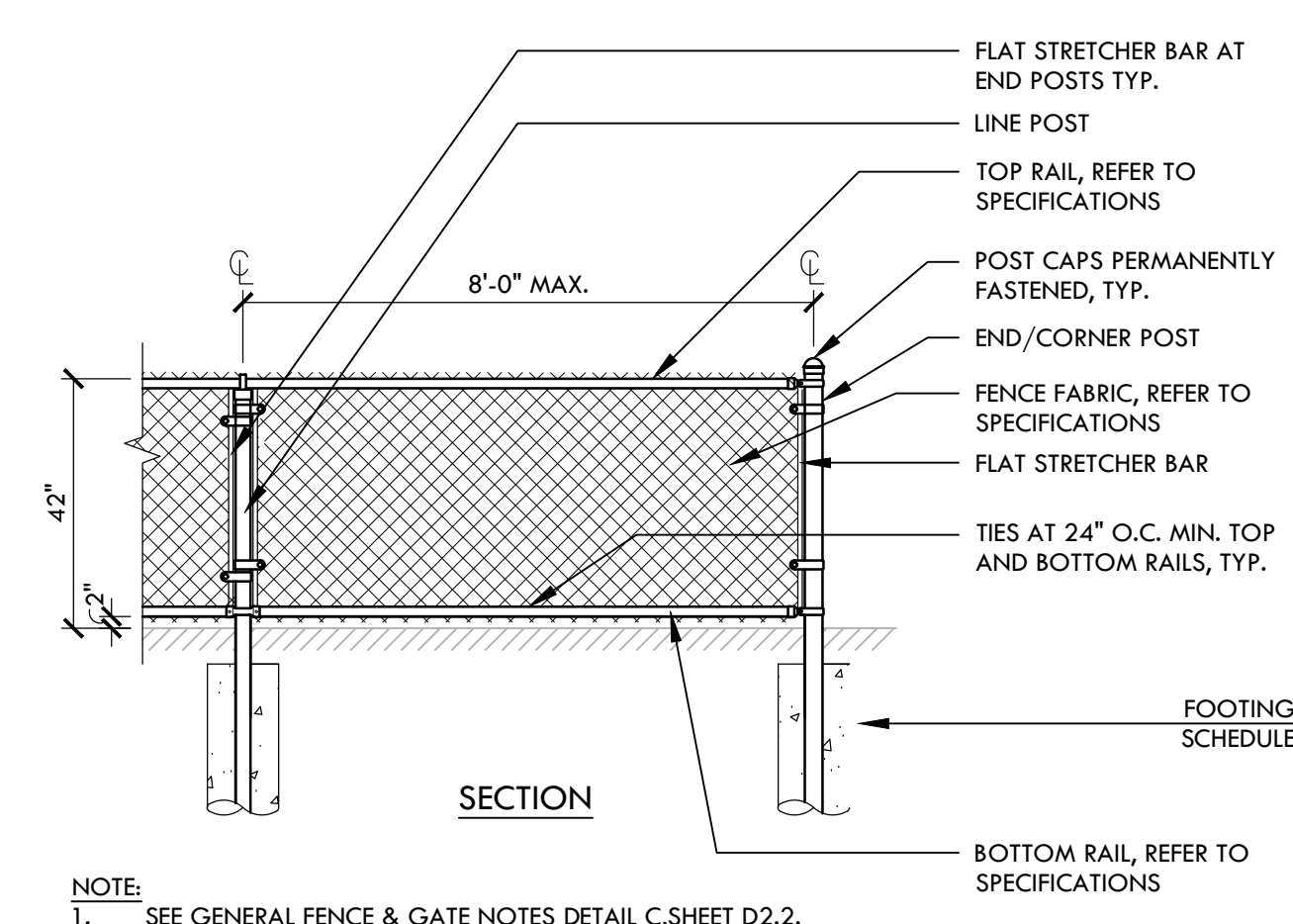
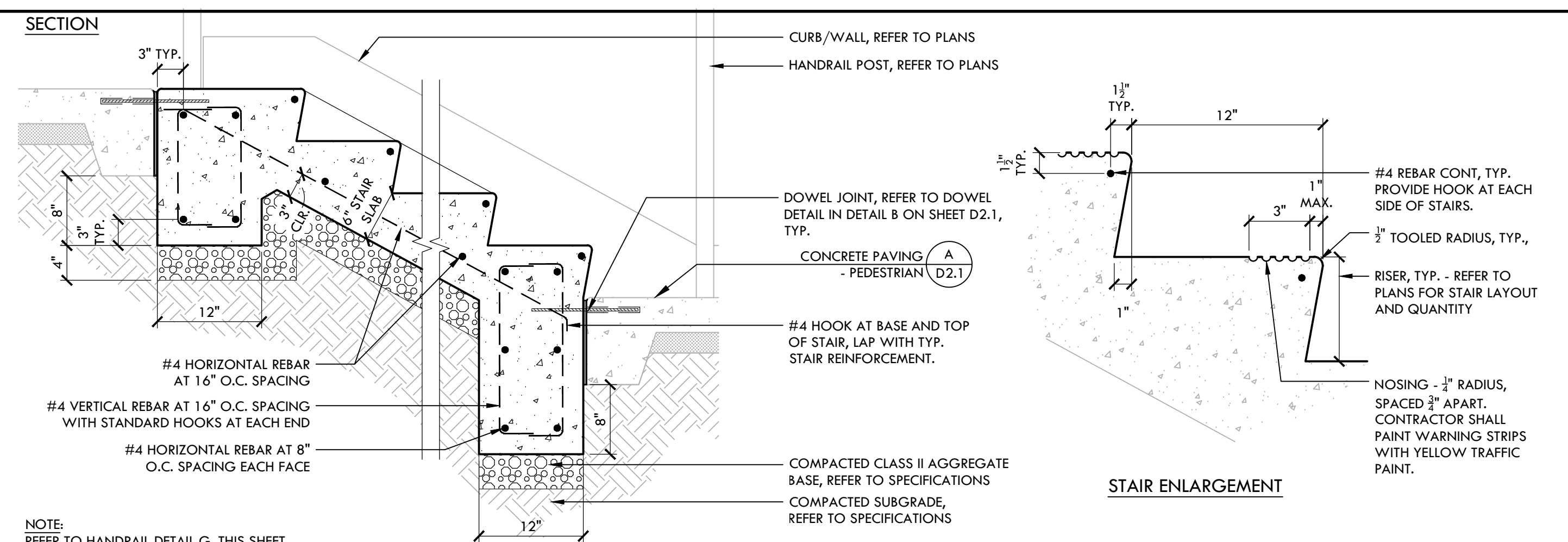
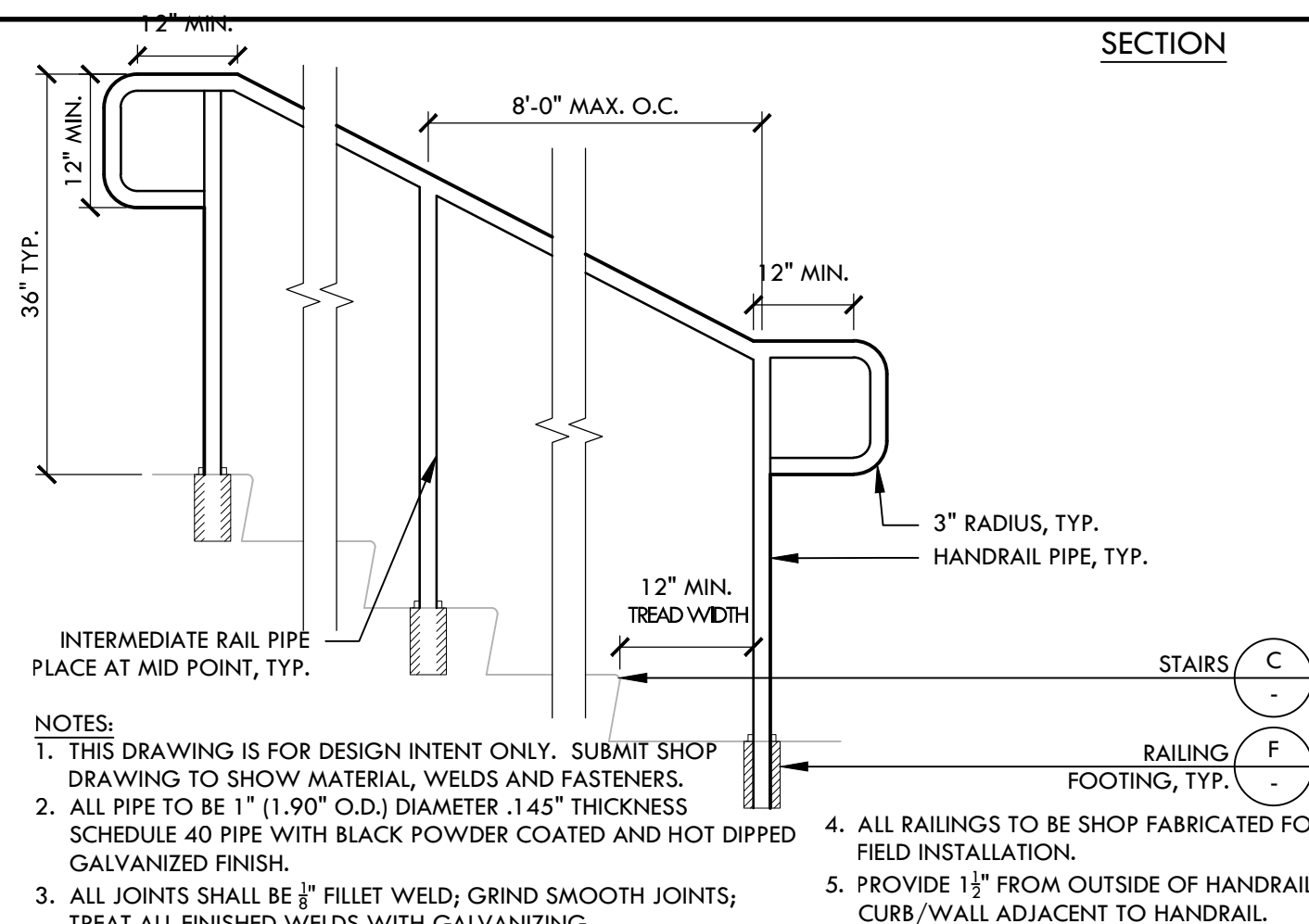
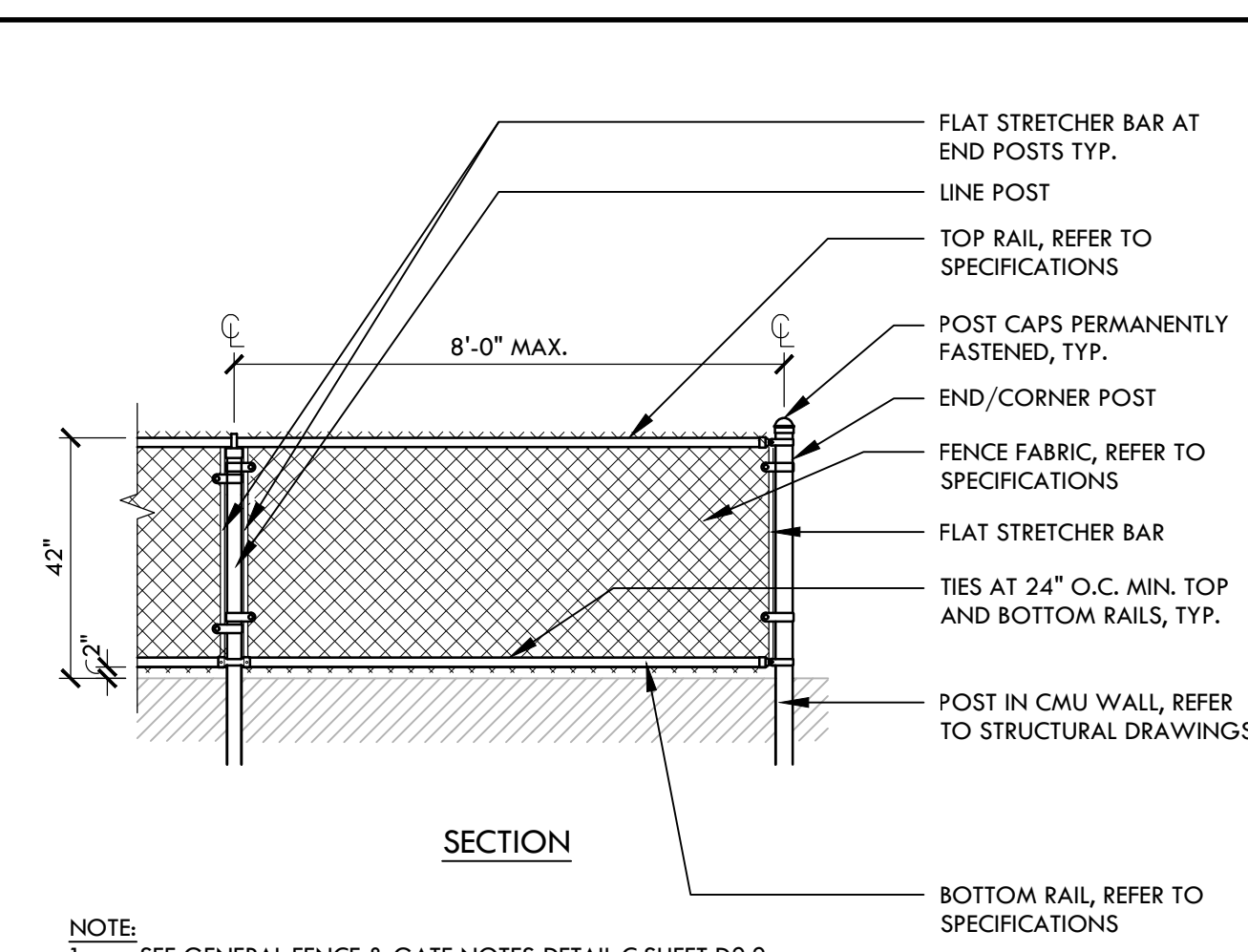
GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

CONSTRUCTION DETAILS

D2.3

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
VERDE	DL/AZ	DFC/DM	QLP2119	26	45

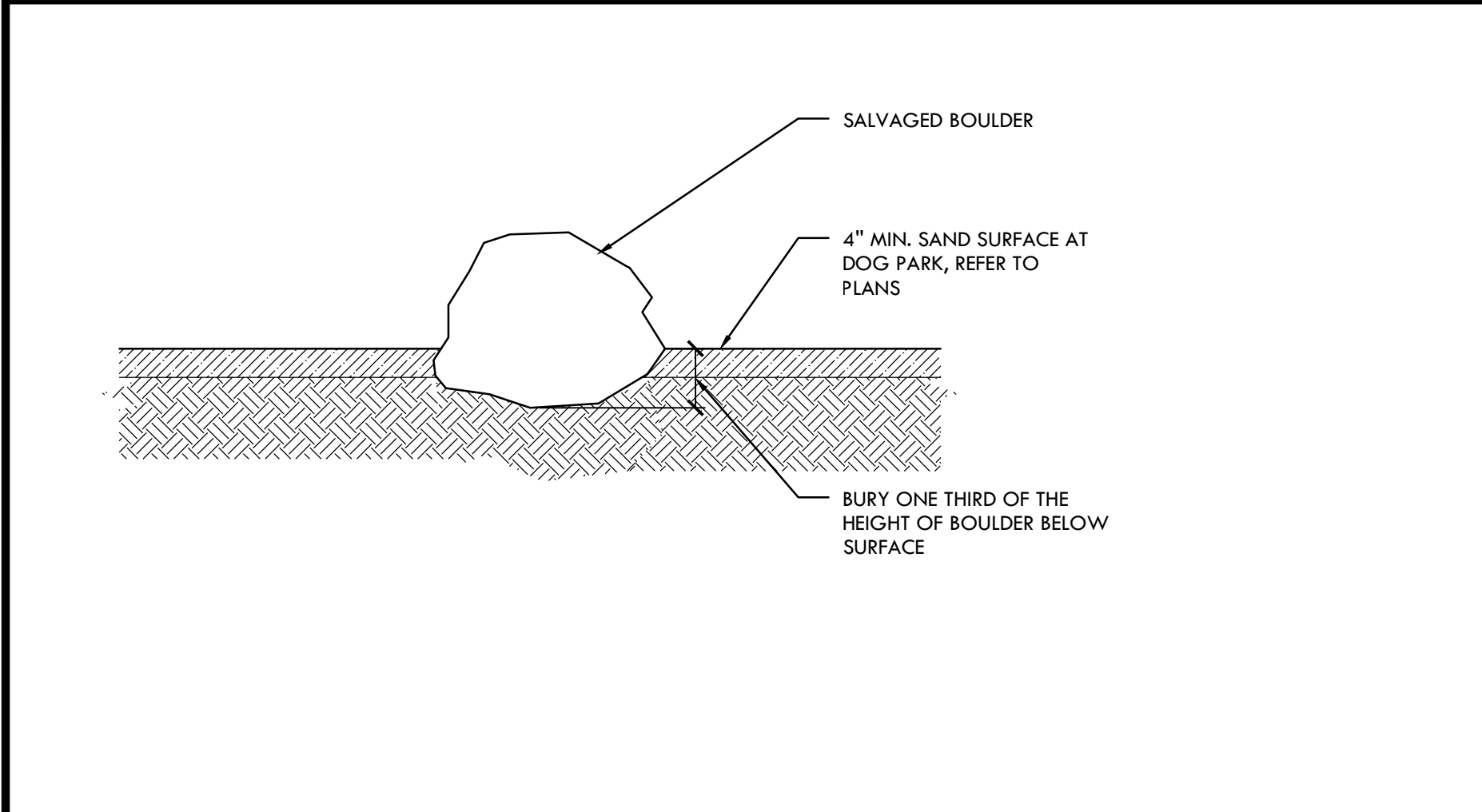
VERDE DESIGN, INC. PROJECT NO. 2207300



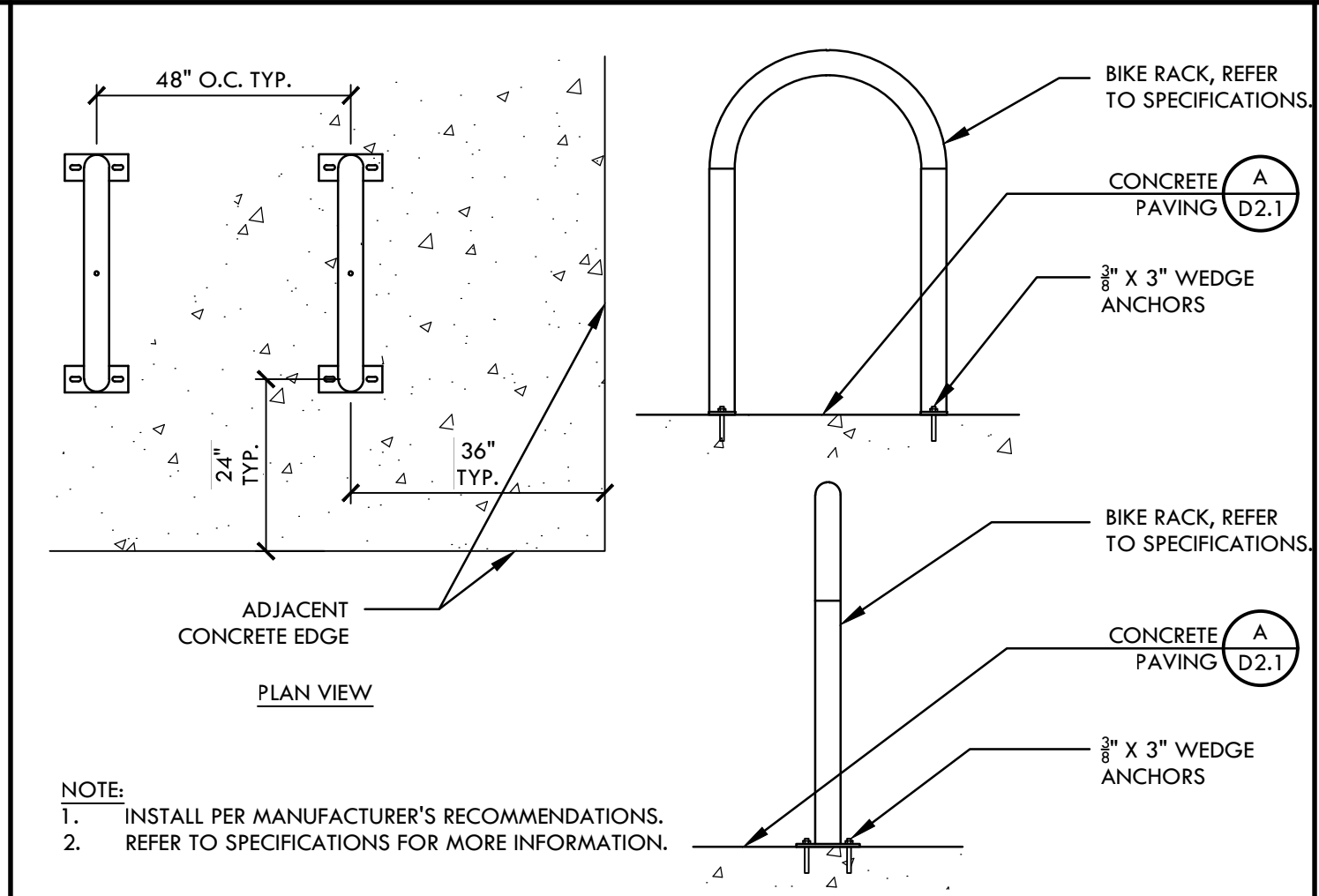
2018 STANDARD PLAN A88A

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PLOT DATE: 11/25/2024 2:15 PM
BY: STATION41

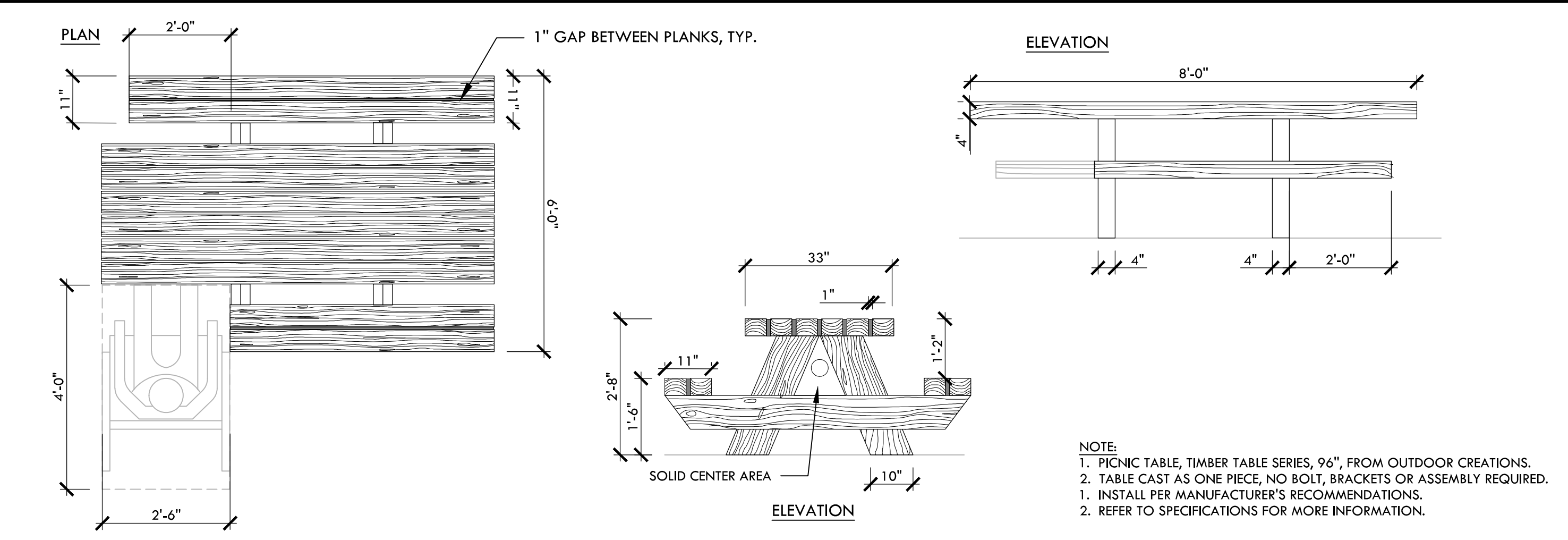
BID SUBMITTAL - 2024/11/08



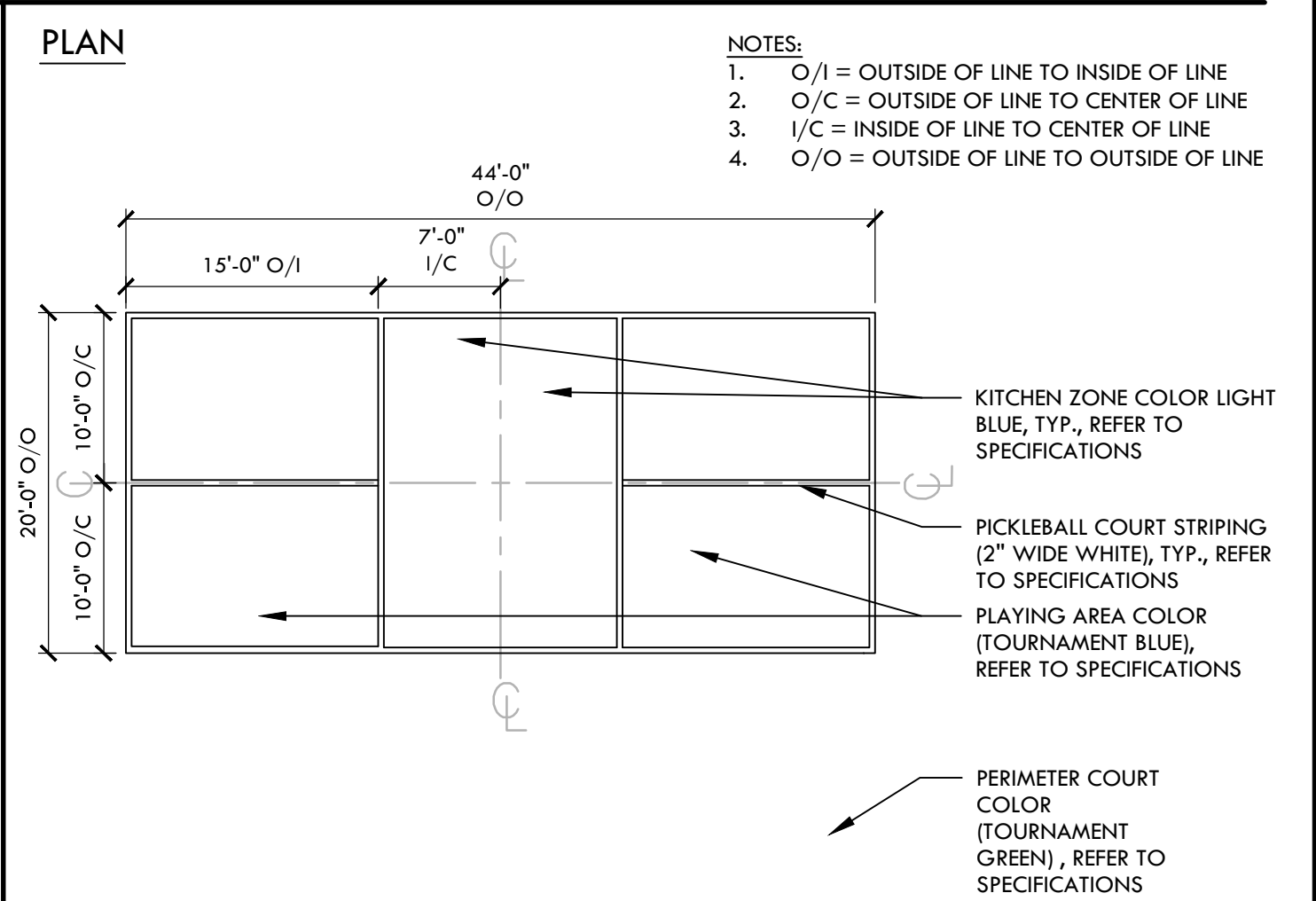
J BOULDER INSTALLATION NTS



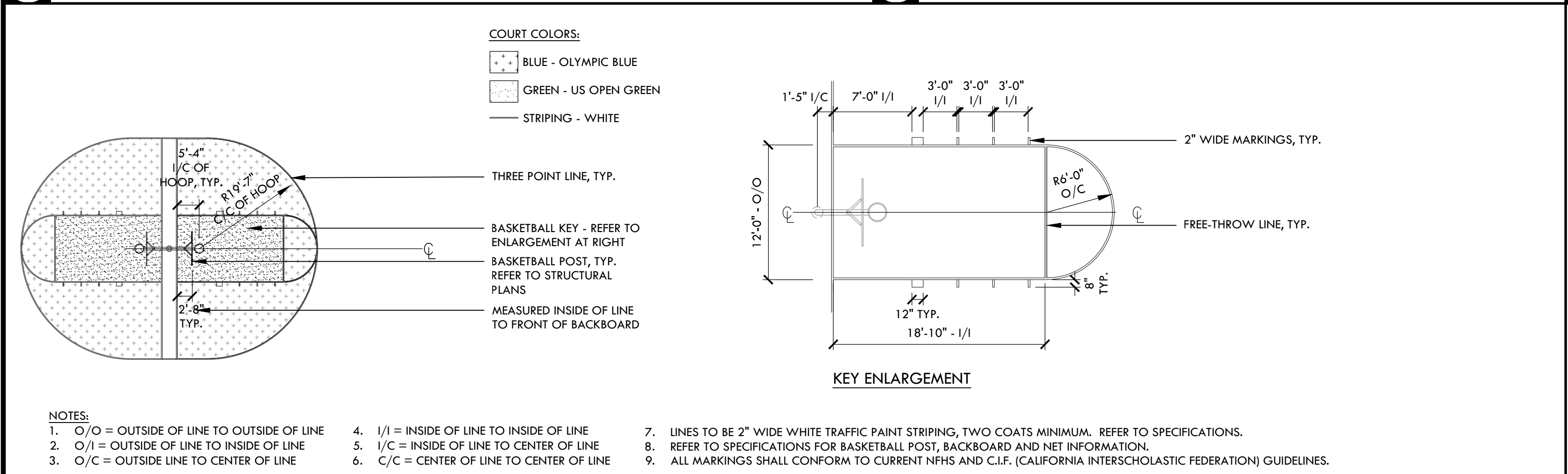
I BIKE RACK NTS



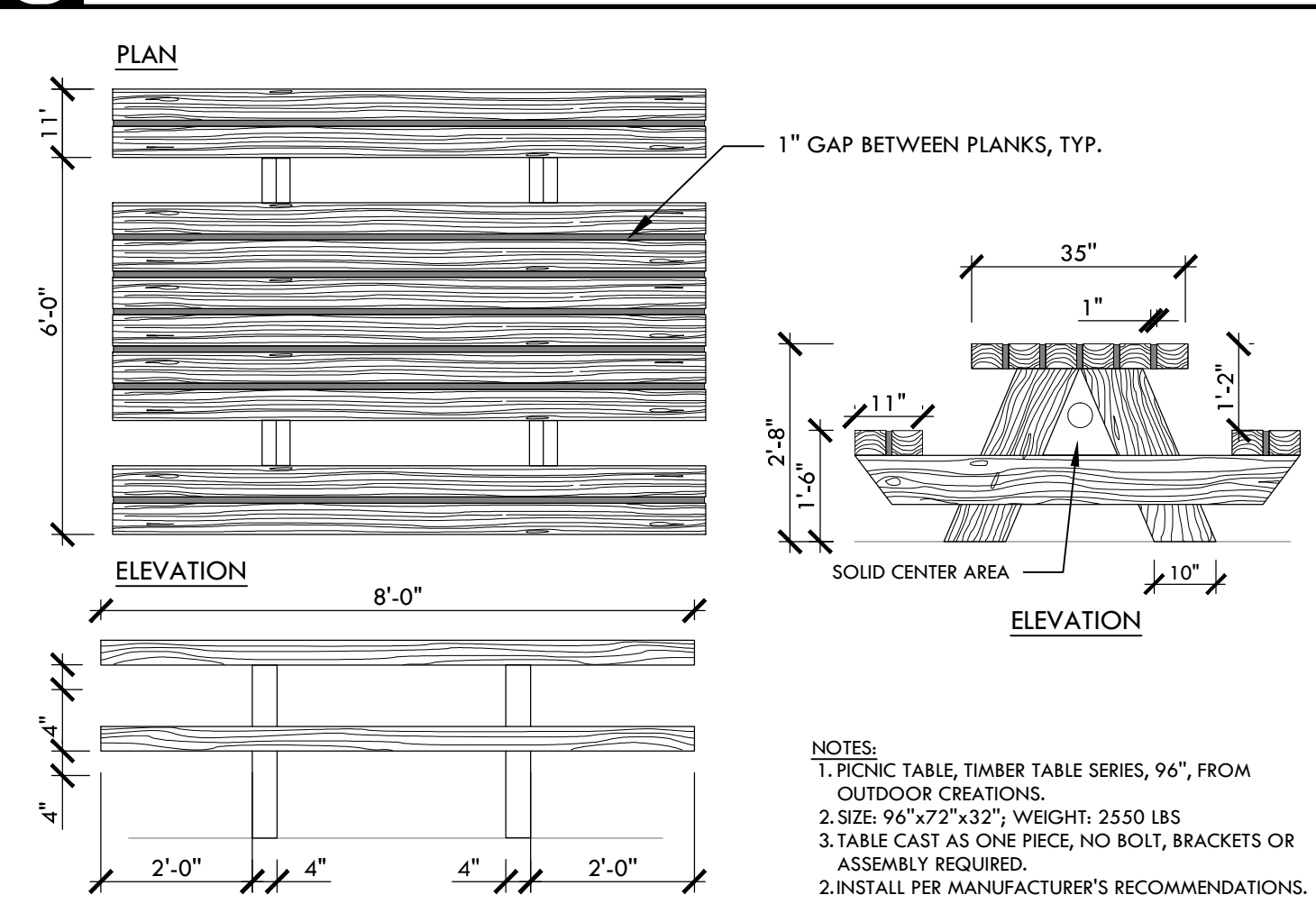
F ADA ACCESSIBLE PICNIC TABLE NTS



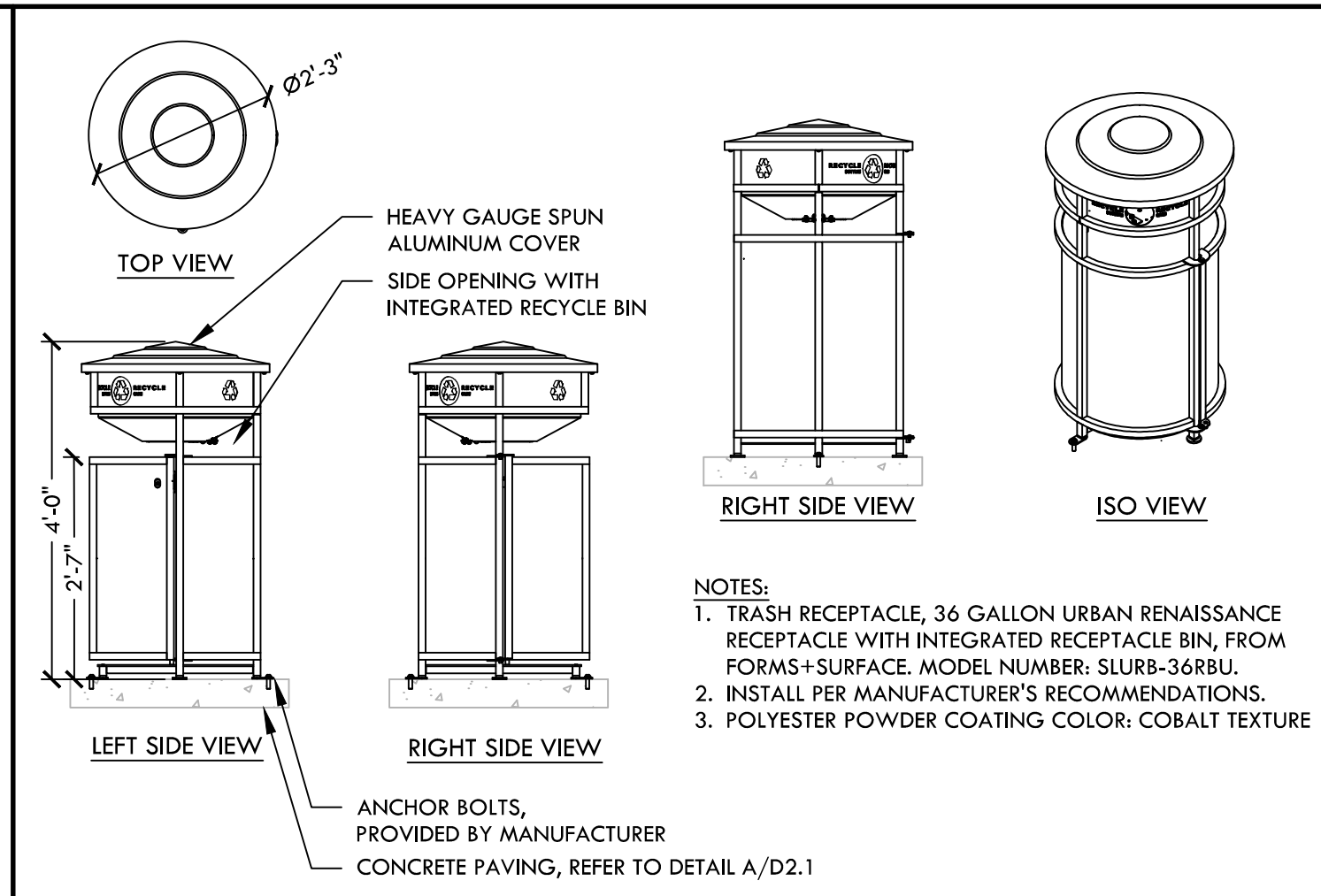
B PICKLEBALL COURT STRIPING NTS



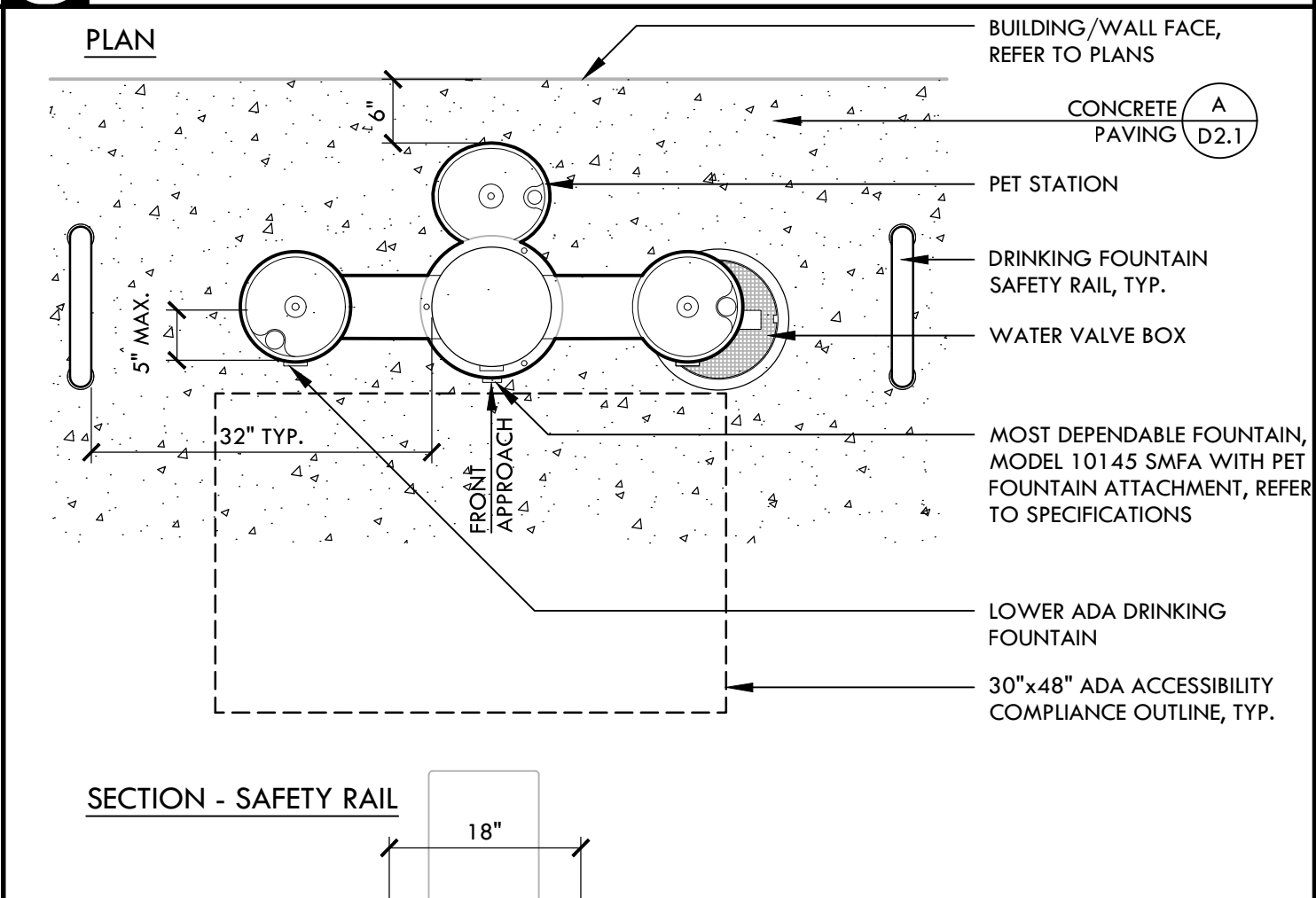
H BASKETBALL HALF COURT STRIPING NTS



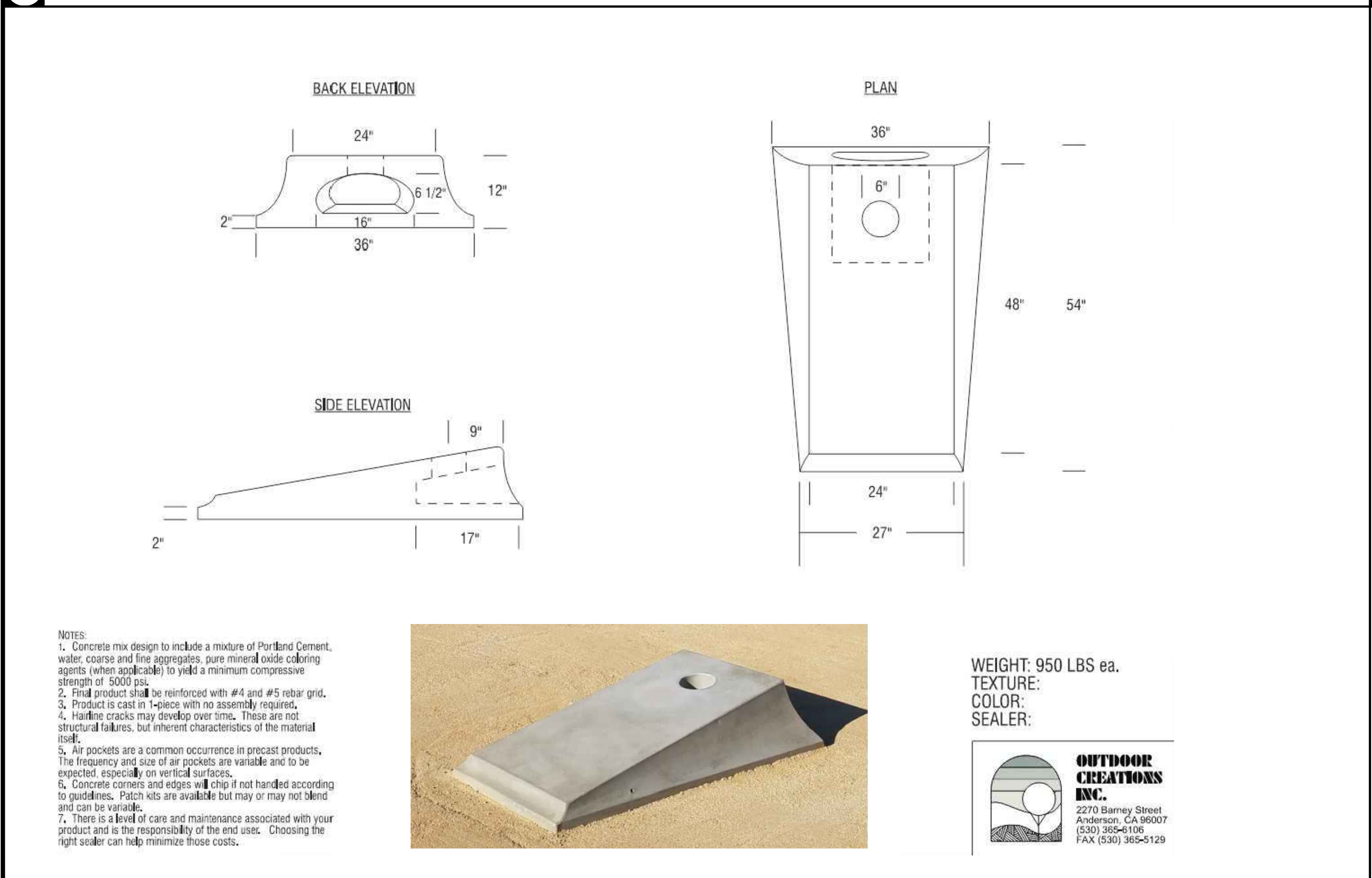
E PICNIC TABLE NTS



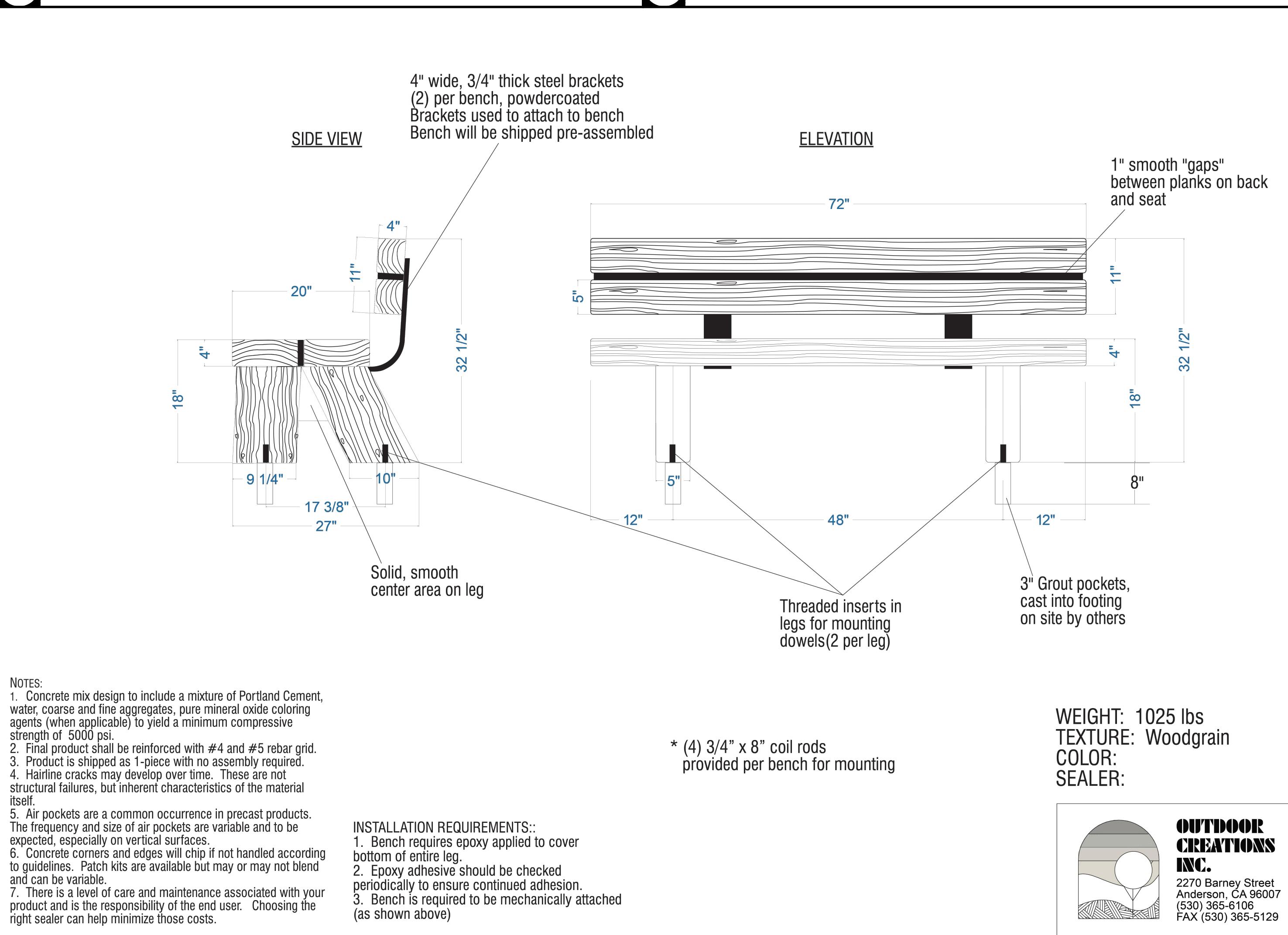
D TRASH AND RECYCLING RECEPTACLES NTS



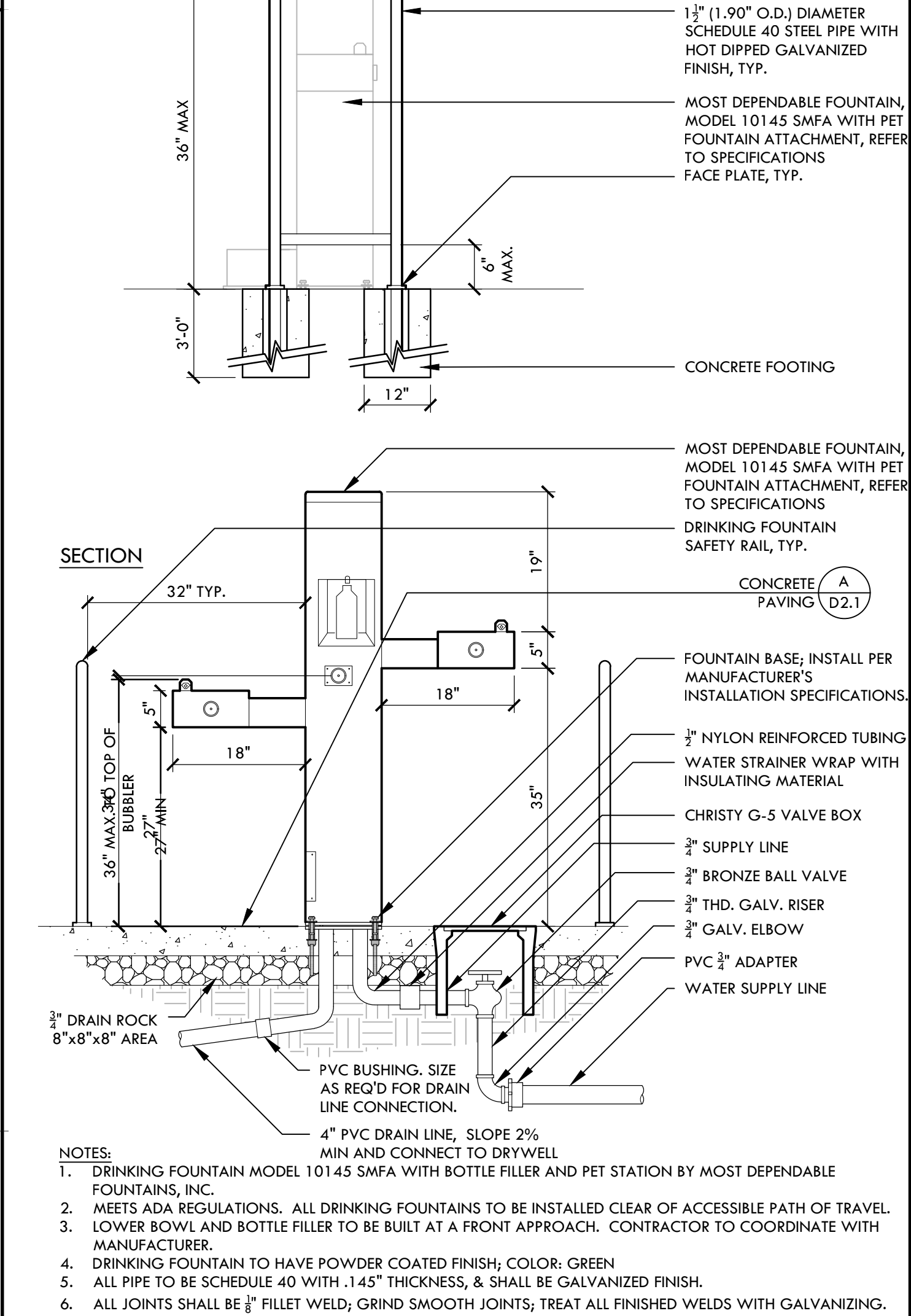
A DRINKING FOUNTAIN WITH BOTTLE FILLER AND PET STATION NTS



G CONCRETE CORNHOLE NTS



C BENCH, 6' LONG NTS



A DRINKING FOUNTAIN WITH BOTTLE FILLER AND PET STATION NTS

CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS
211 Hillcrest Avenue
Marina, CA 93933

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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REVISIONS					
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VERDE DESIGN

LANDSCAPE ARCHITECTURE
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SPORT PLANNING & DESIGN

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San Jose, CA 95050
tel: 408.985.7200
fax: 408.985.7260
www.VerdeDesignInc.com

REGISTERED LANDSCAPE ARCHITECT
DEREK MCKEE
No. 4148
Signature
EXPIRATION DATE: DEC. 2025
STATE OF CALIFORNIA

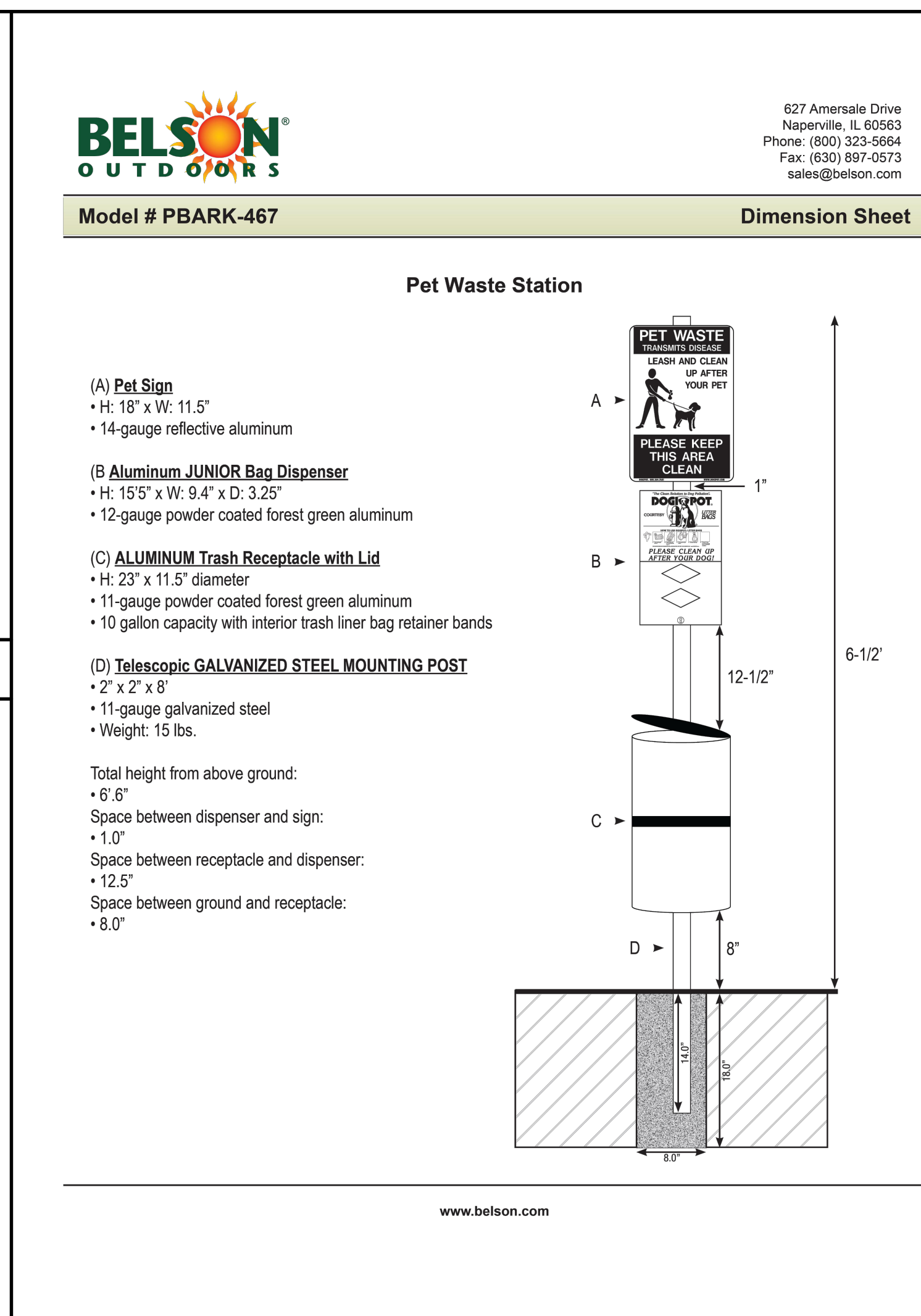
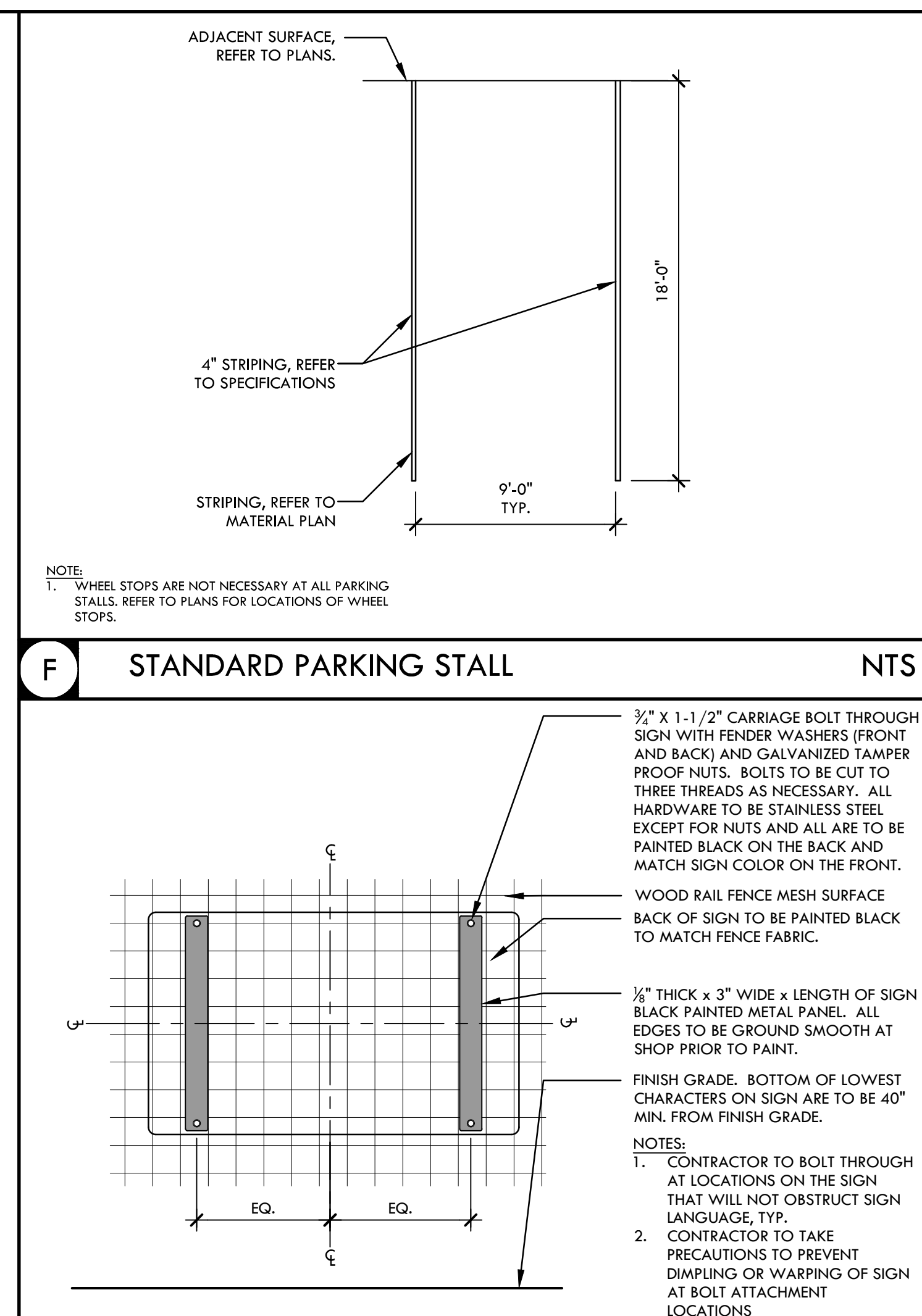
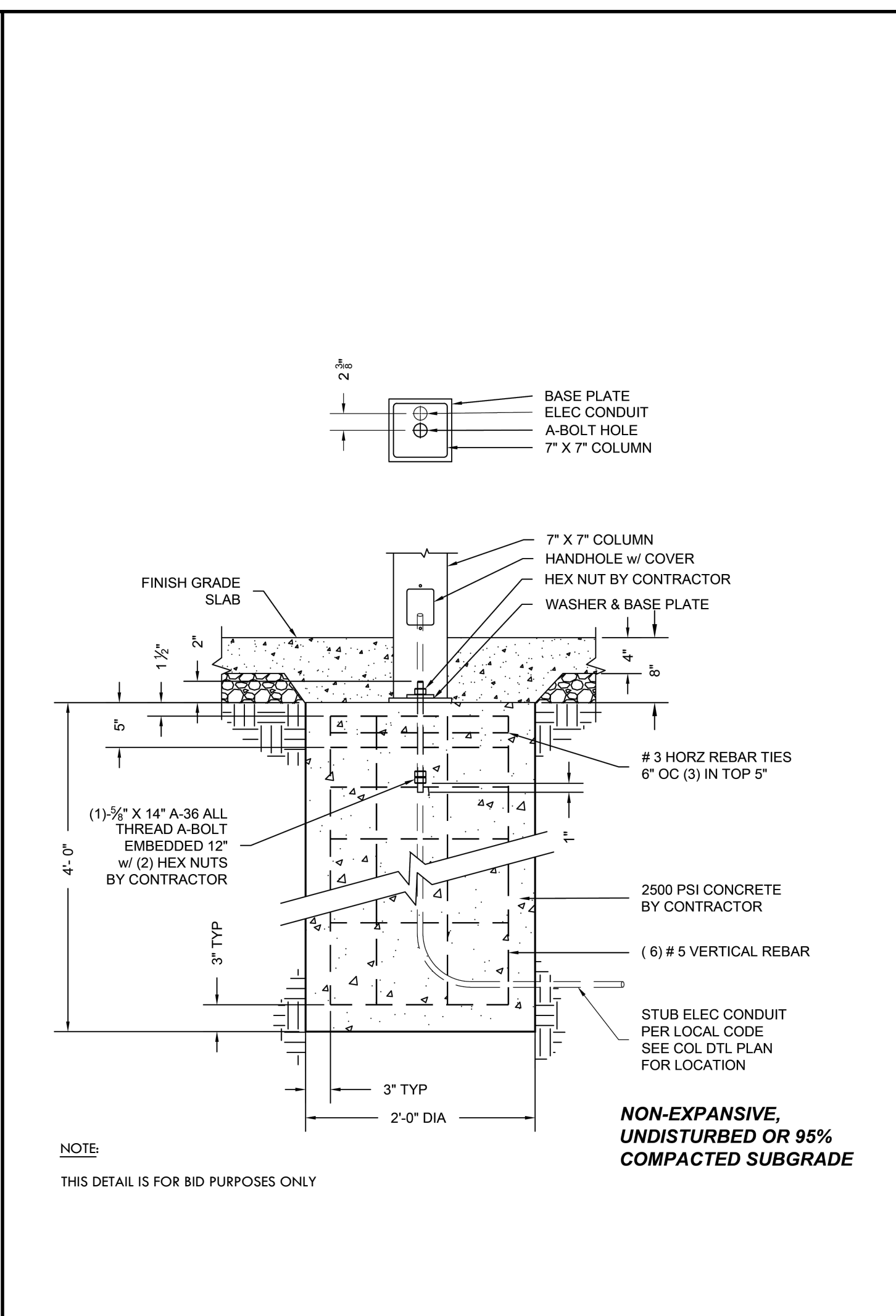
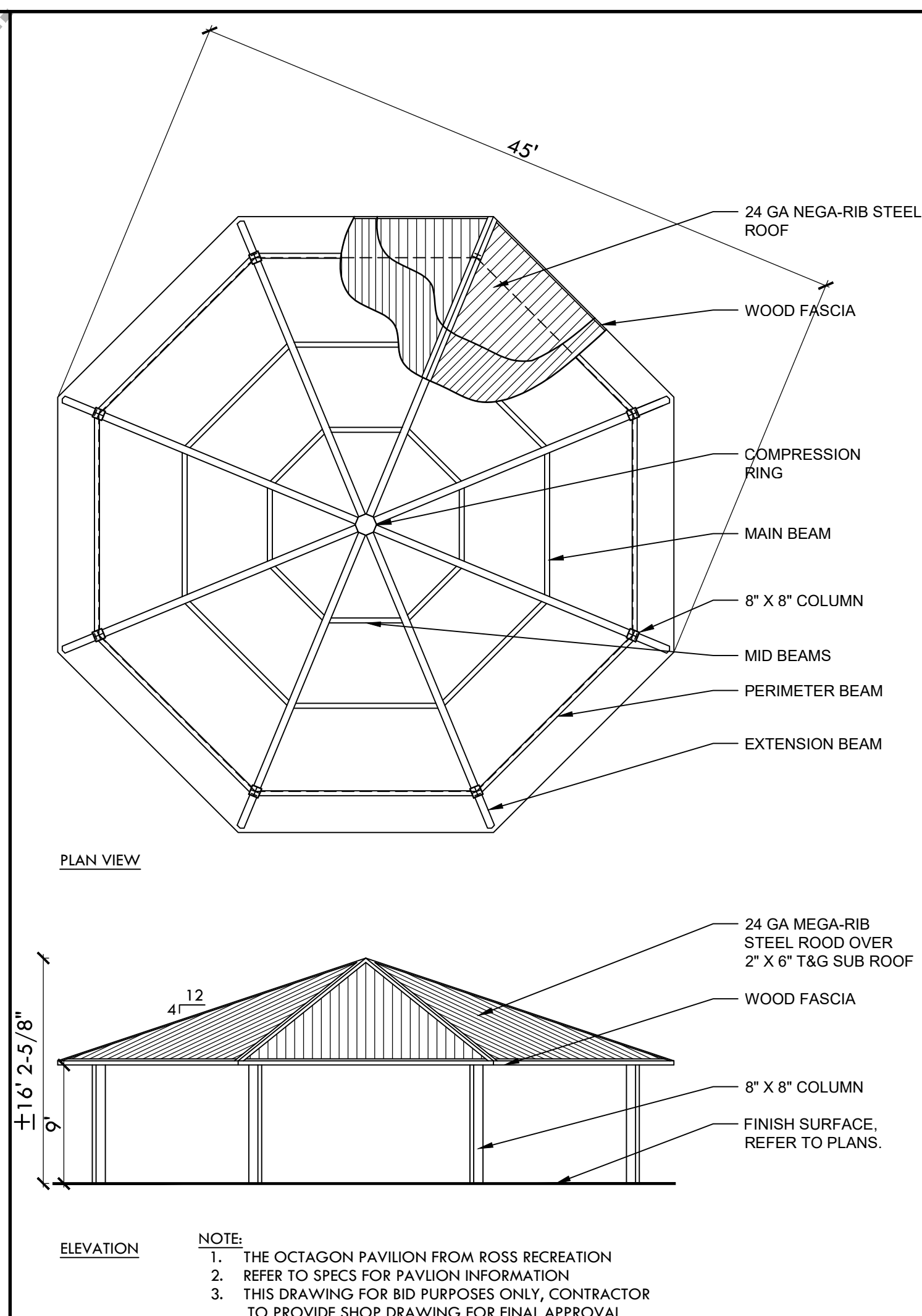
**GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2**

CONSTRUCTION DETAILS
D2.4

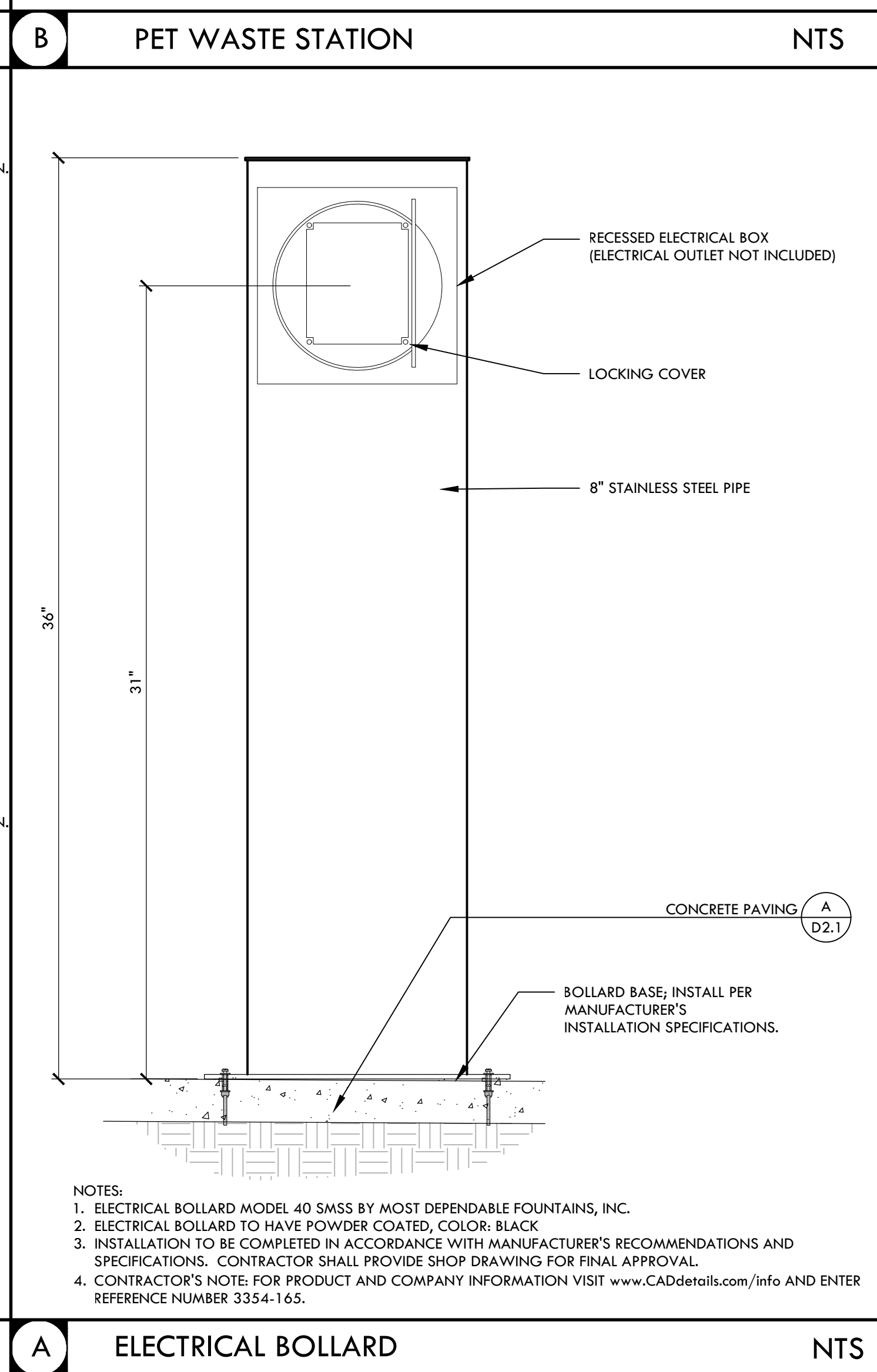
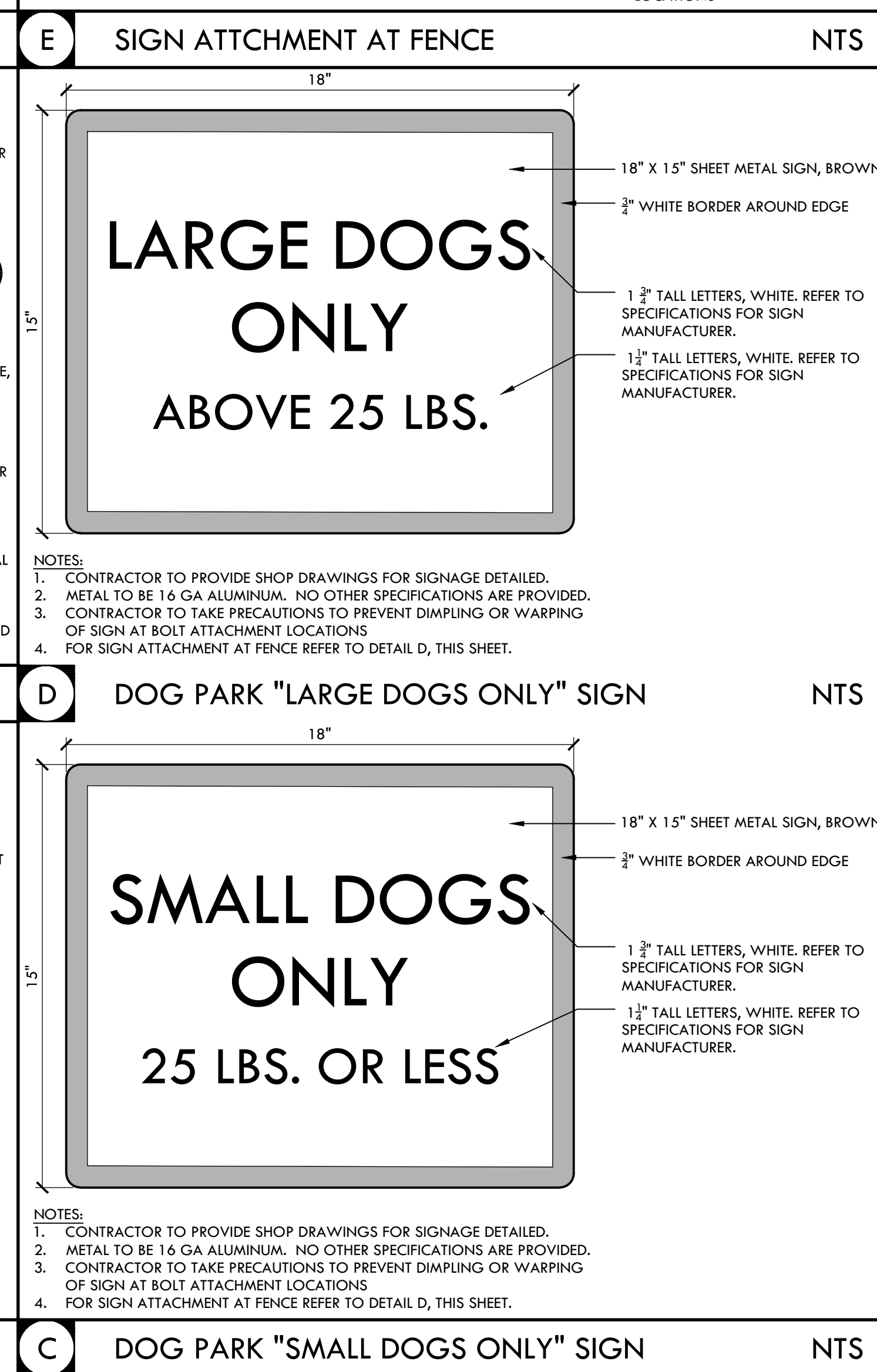
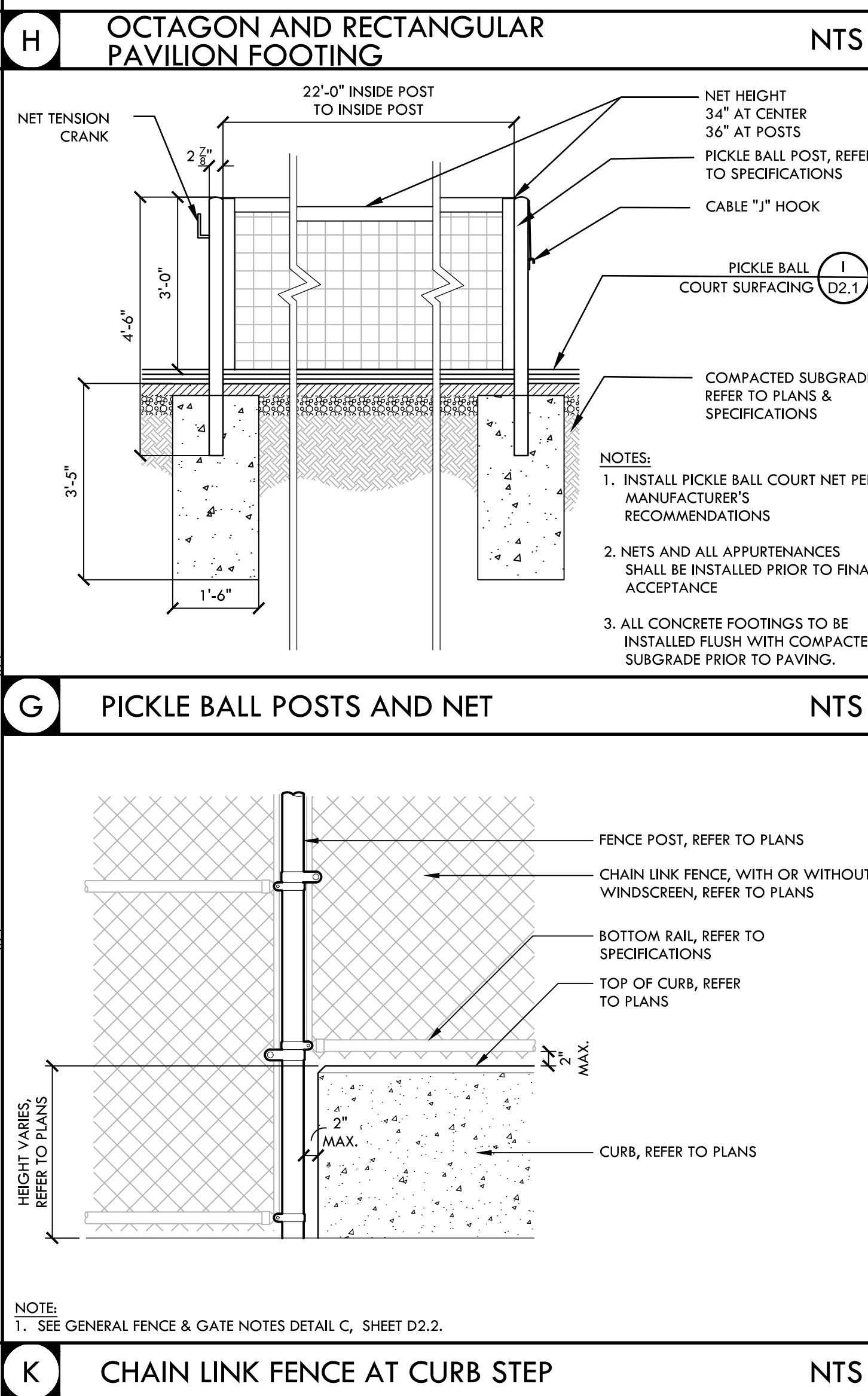
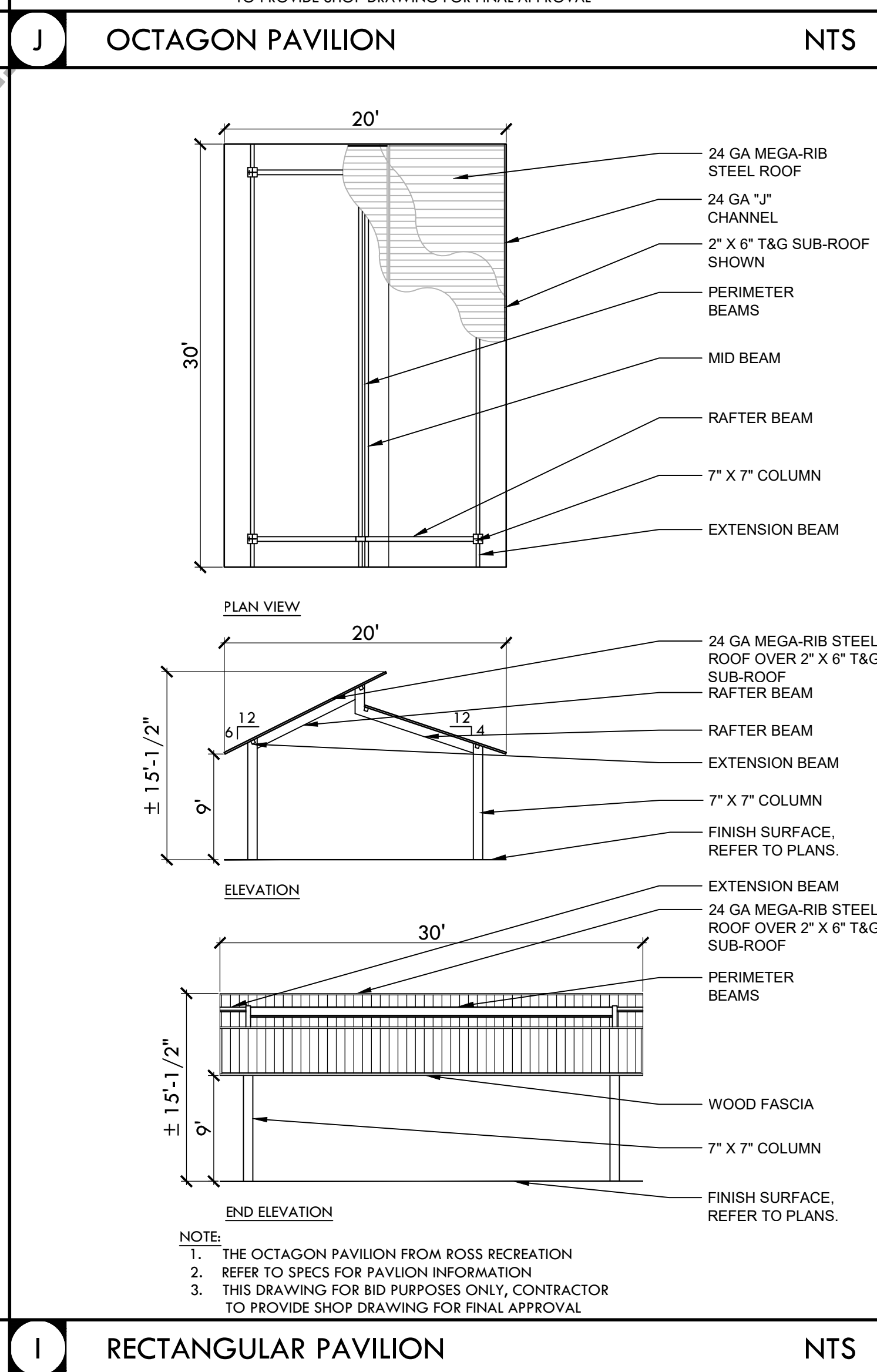
DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
VERDE	DL/AZ	DFC/DM	QLP2119	27	45

VERDE DESIGN, INC. PROJECT NO. 2207300

NOT USED



NOT USED



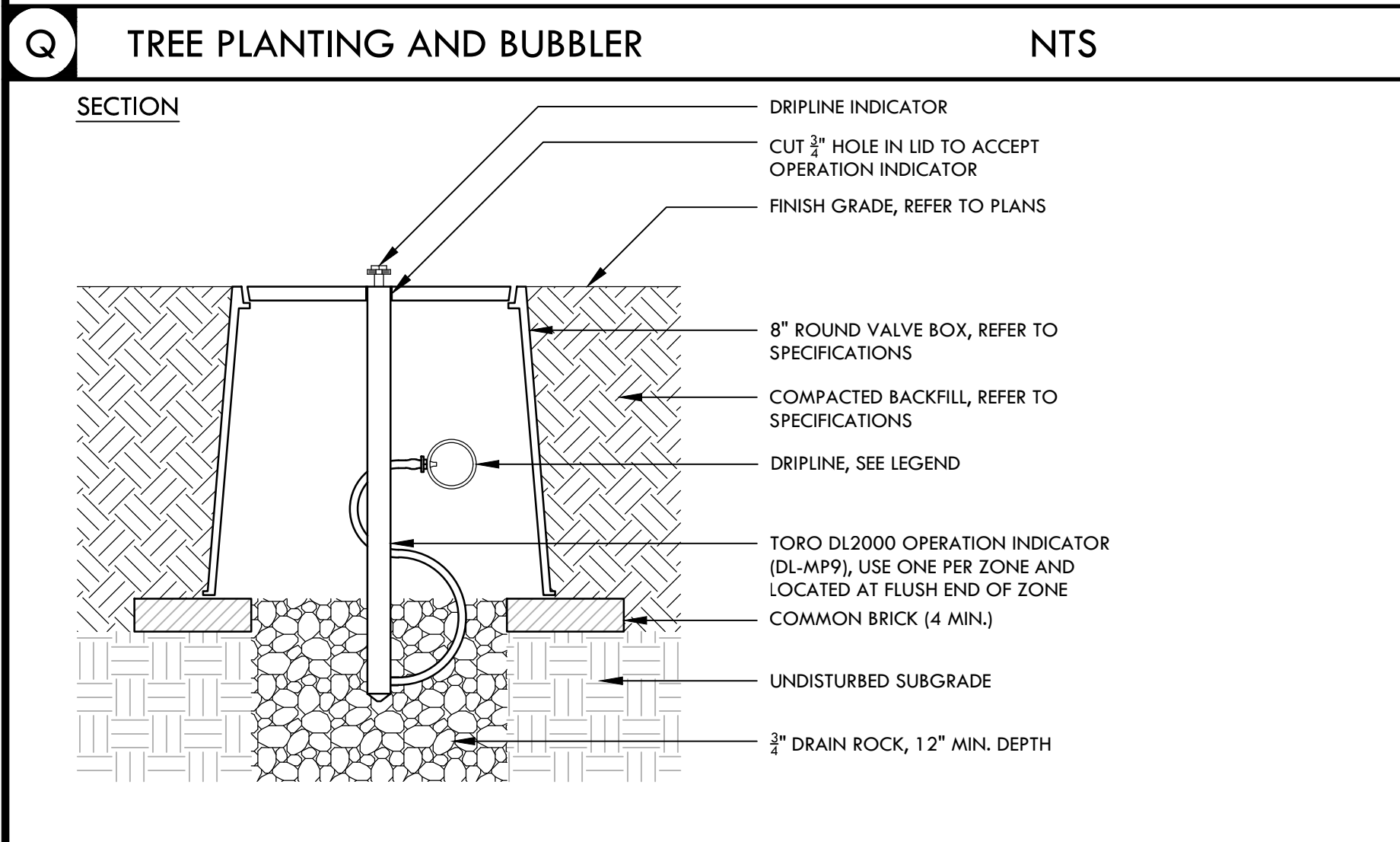
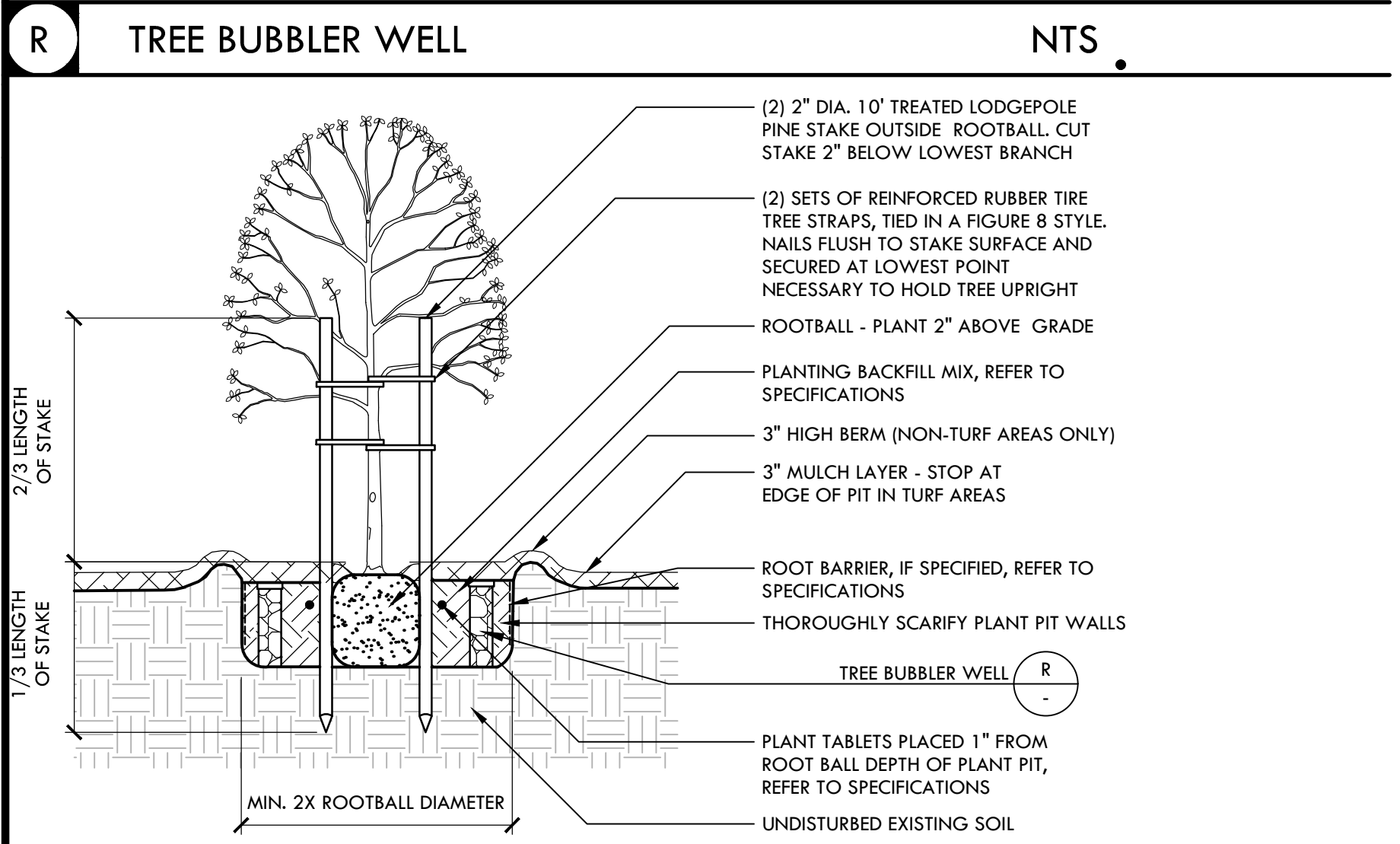
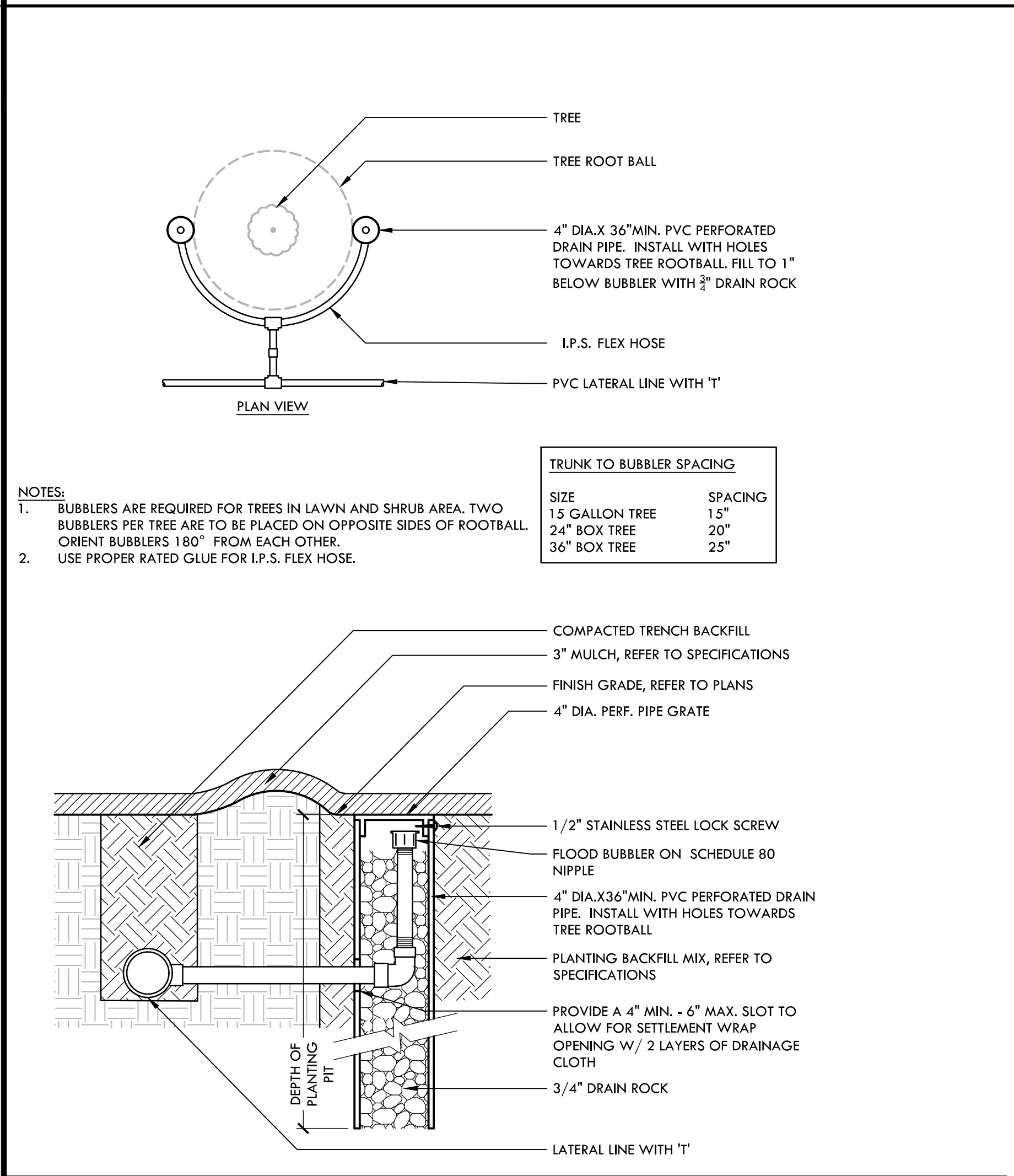
CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS
211 Hillcrest Avenue
Marina, CA 93933

REVISIONS

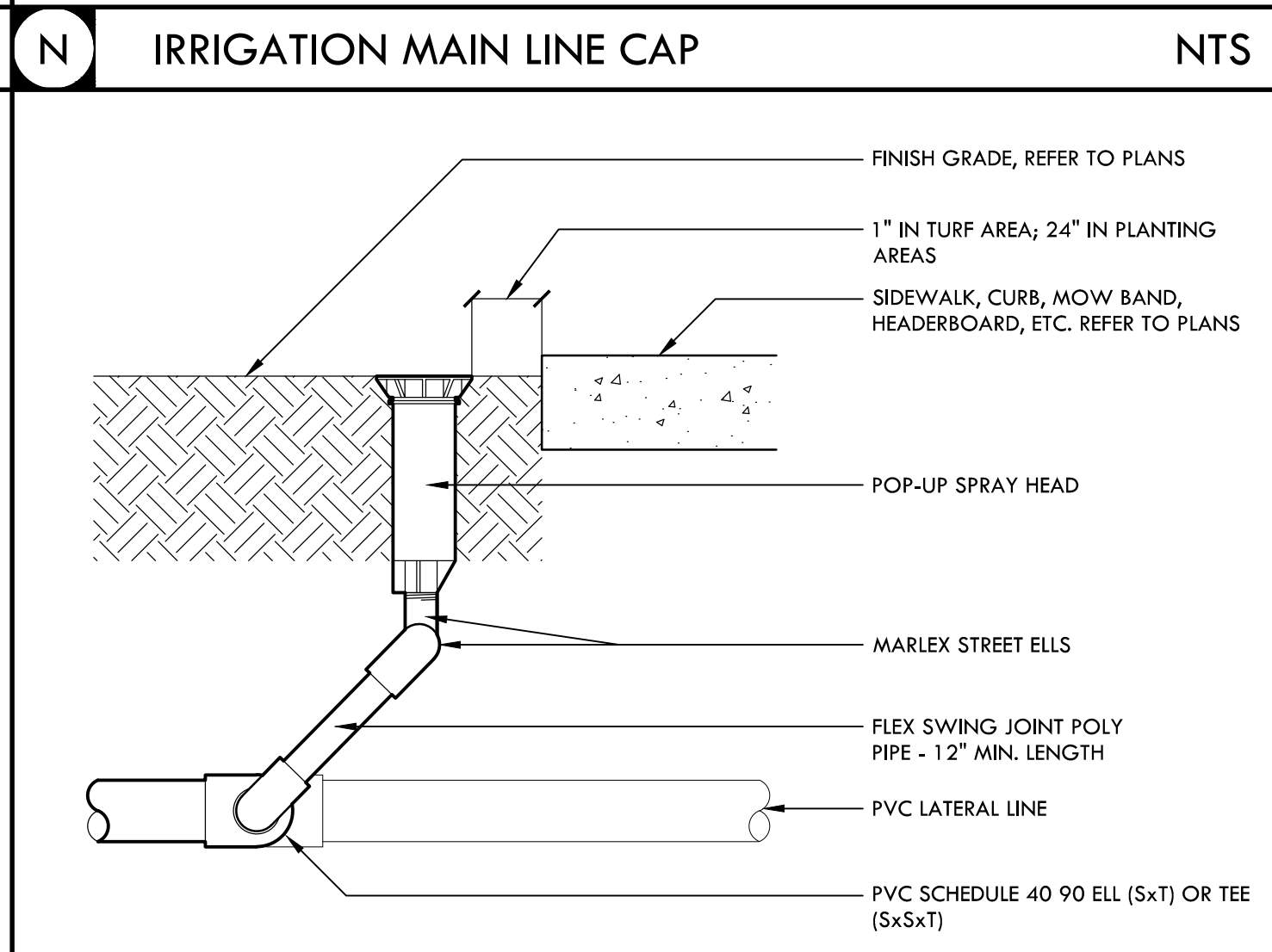
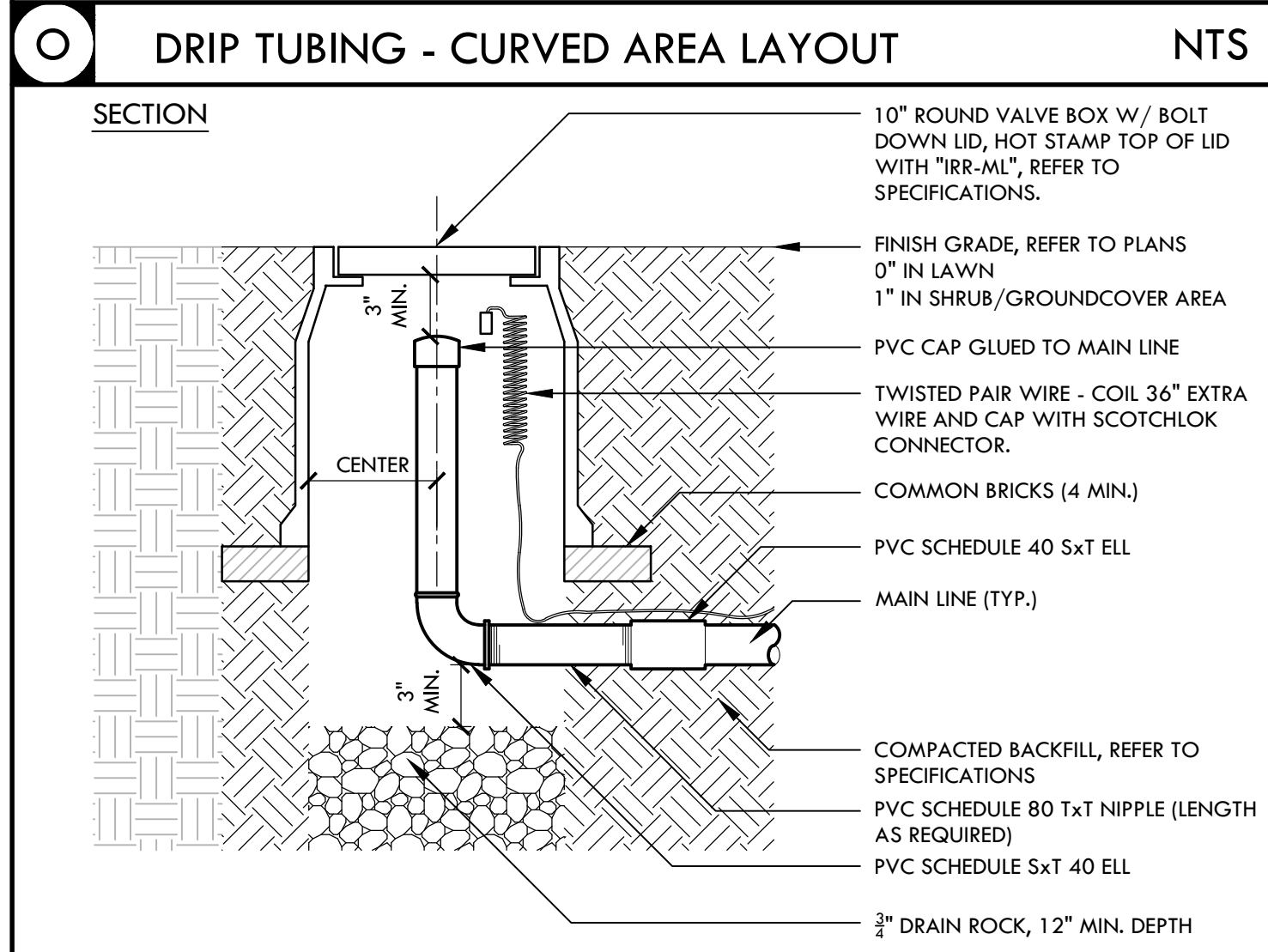
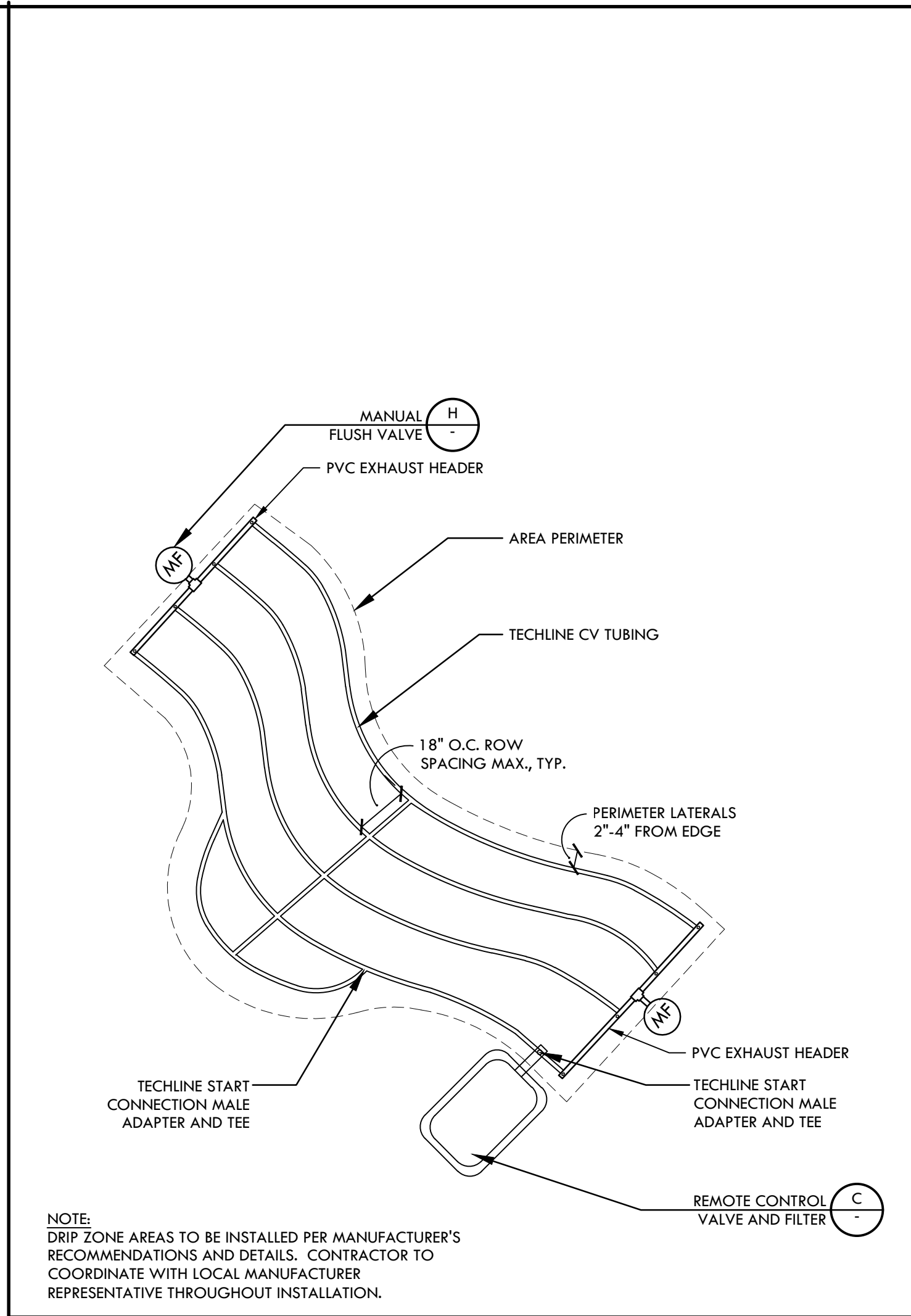
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LANDSCAPE ARCHITECTURE
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2455 The Alameda
Santa Clara, CA 95050
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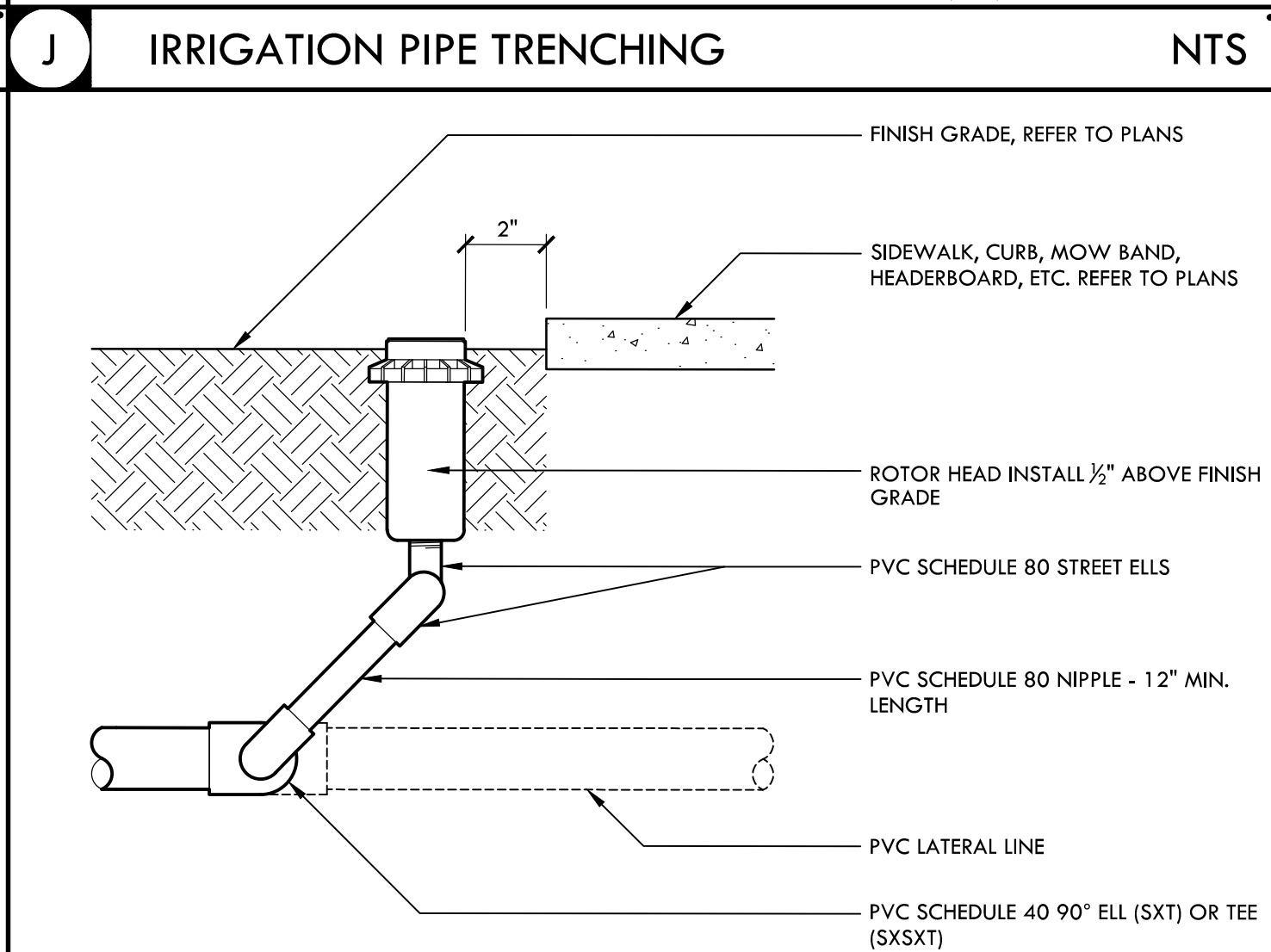
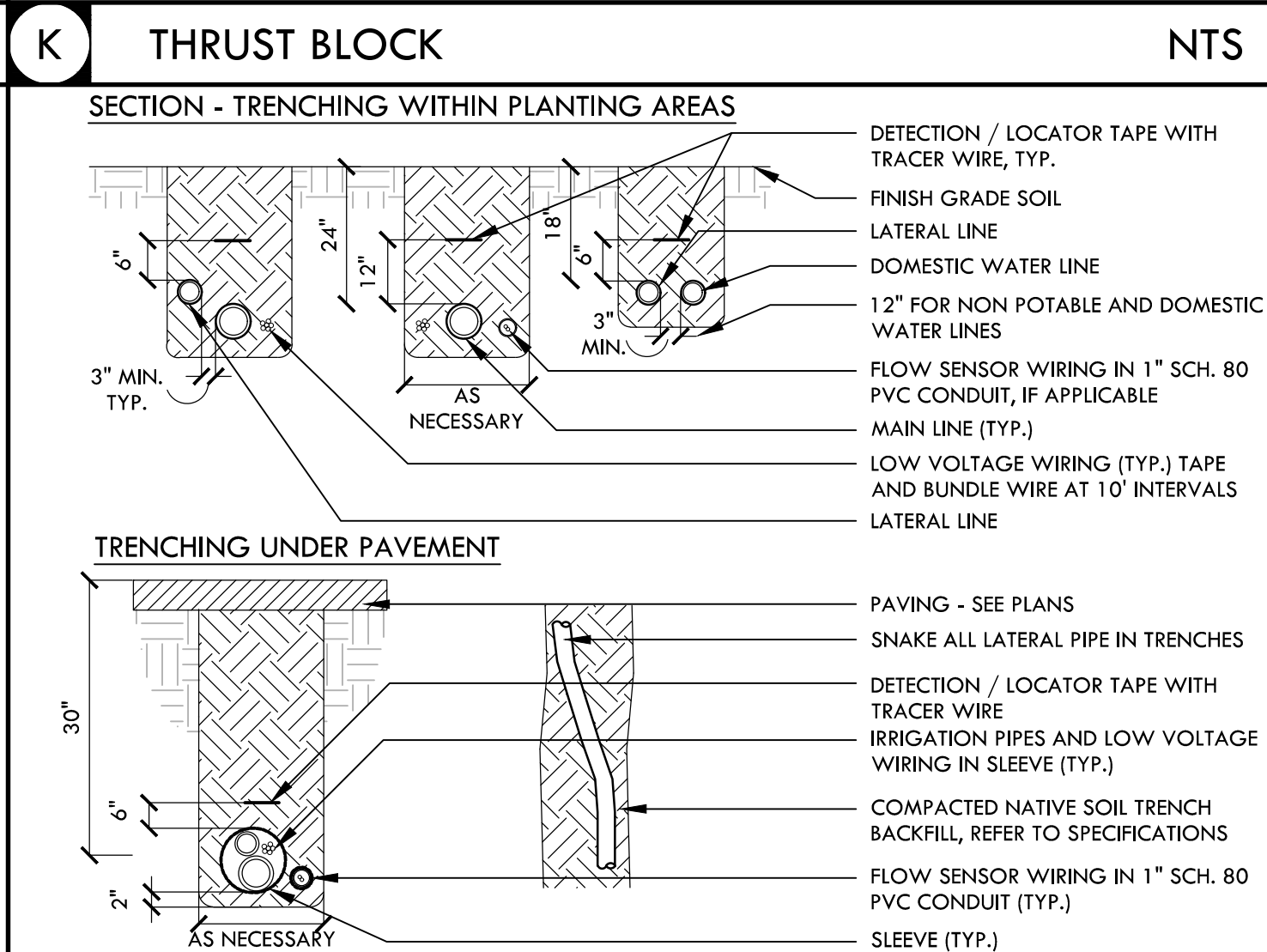
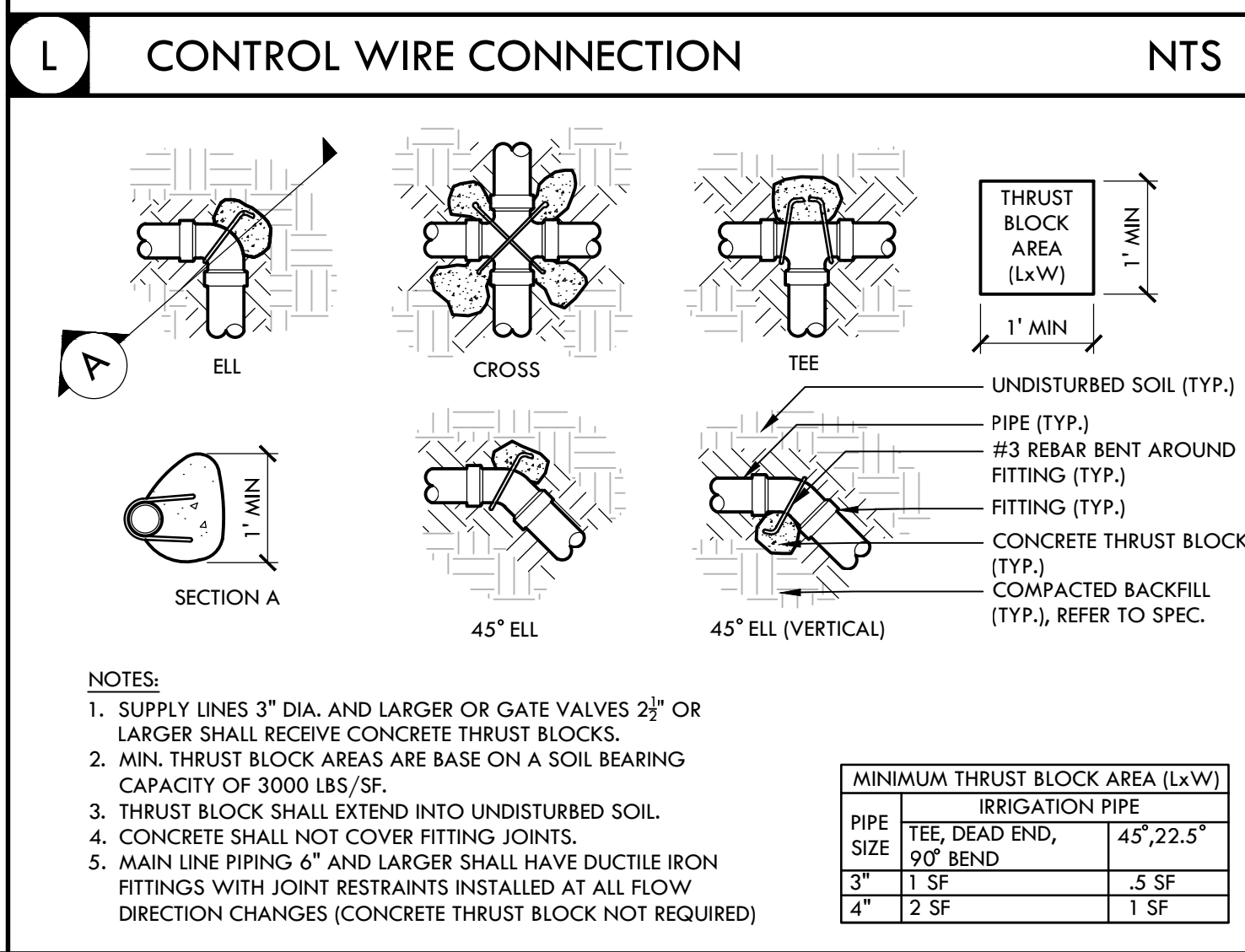
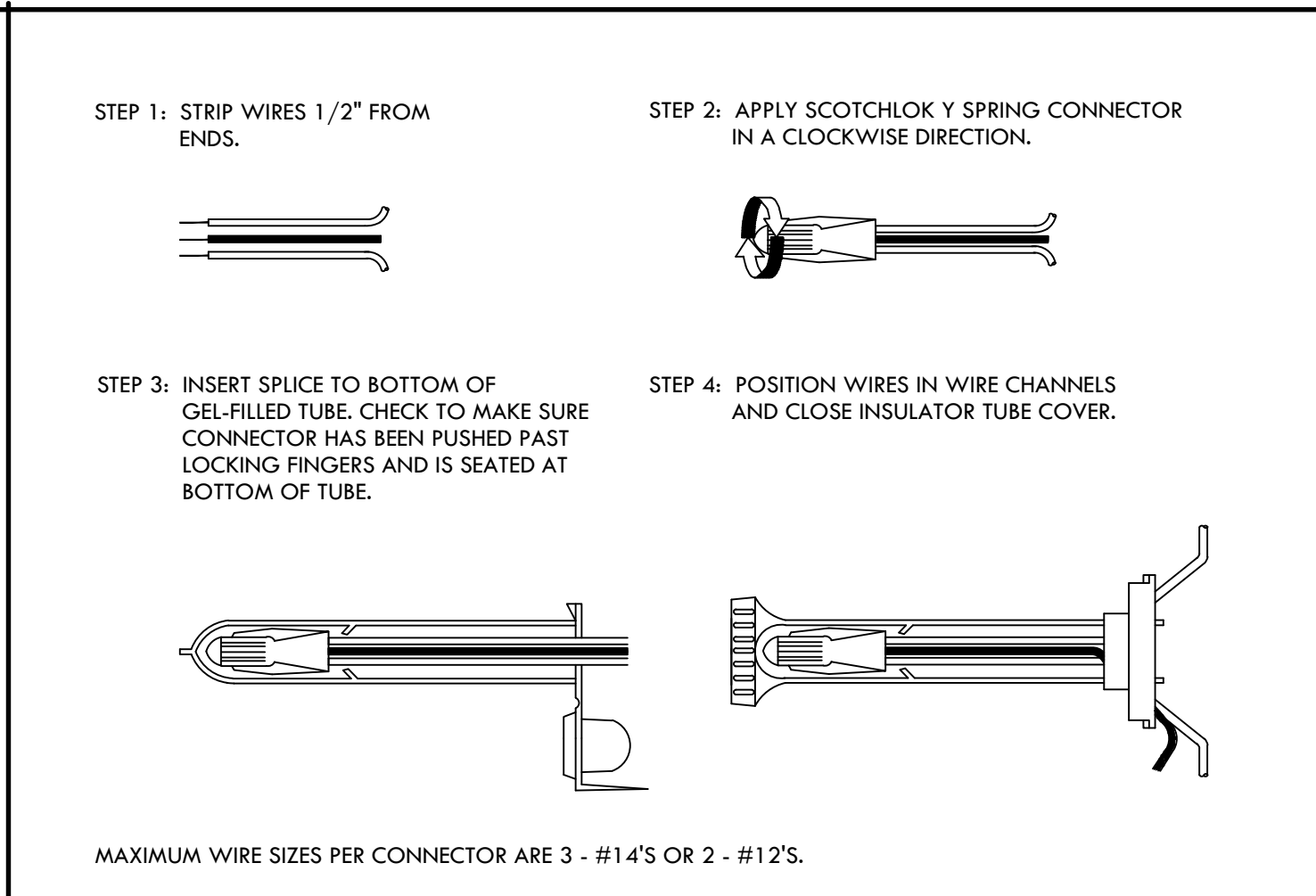
GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2
CONSTRUCTION DETAILS
D2.5
DESIGNED BY: VERDE
DRAWN BY: DL/AZ
CHECKED BY: DFC/DM
JOB NUMBER: QLP2119
SHEET: 28 OF 45
VERDE DESIGN, INC. PROJECT NO. 2207300



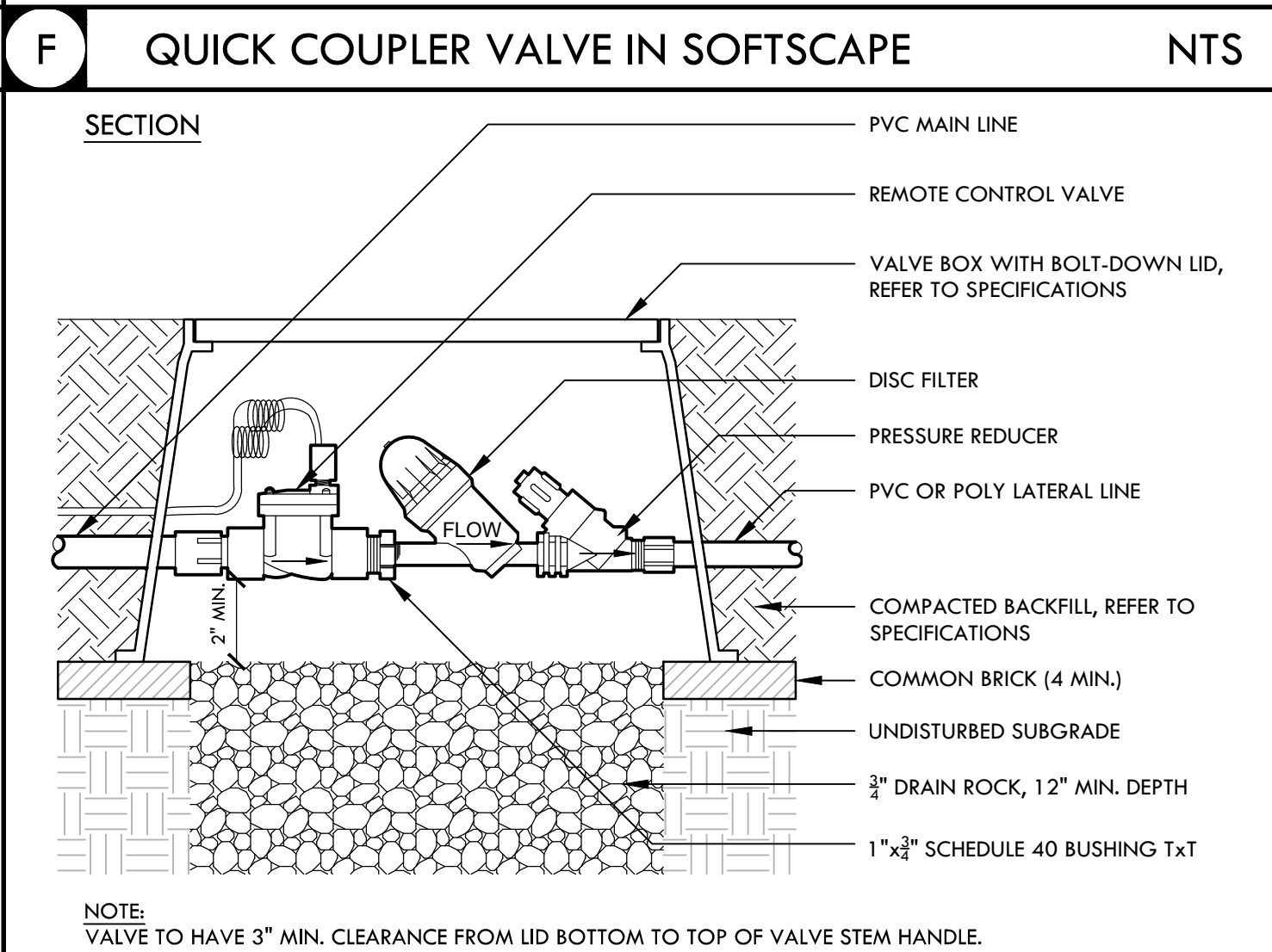
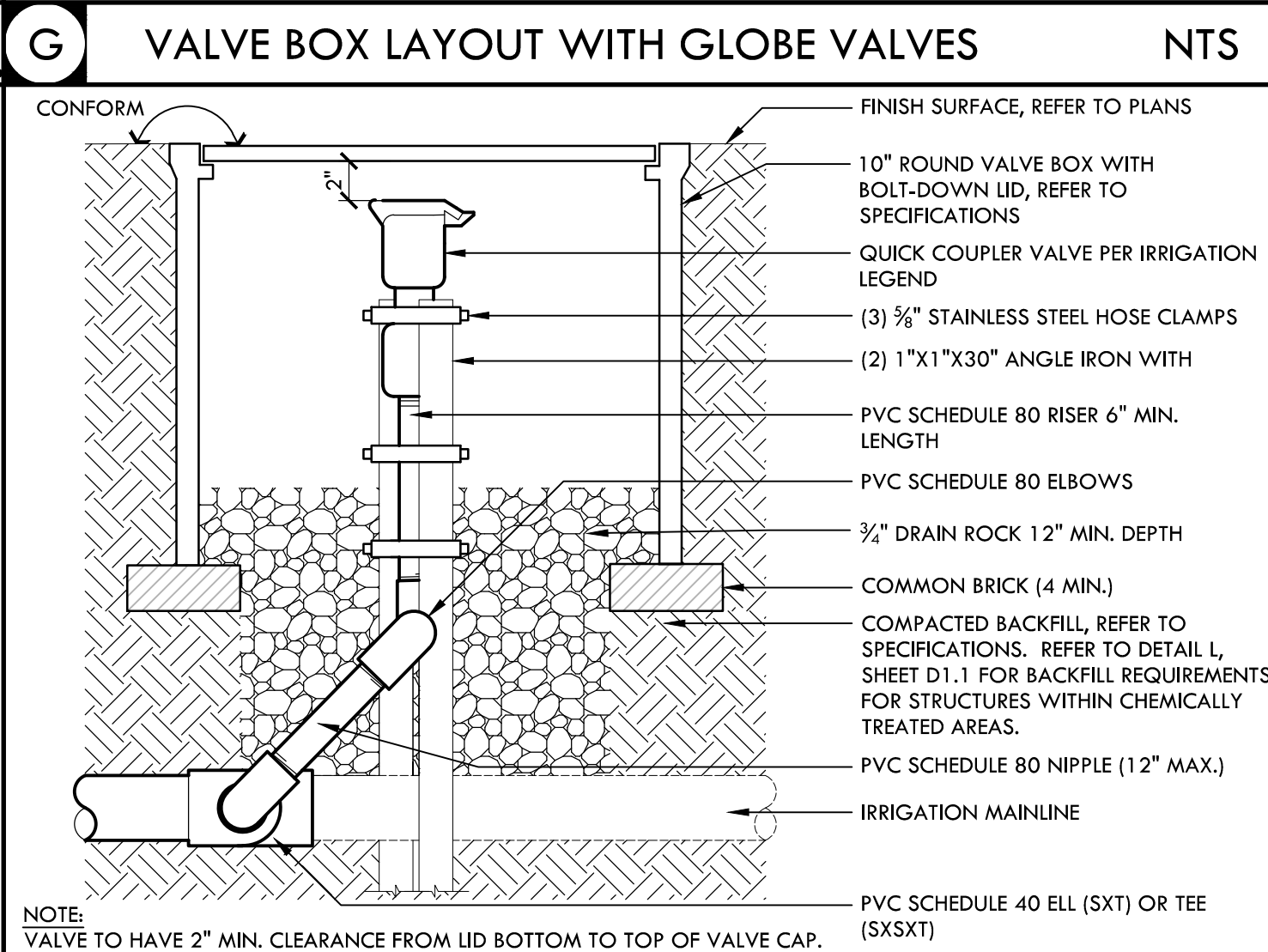
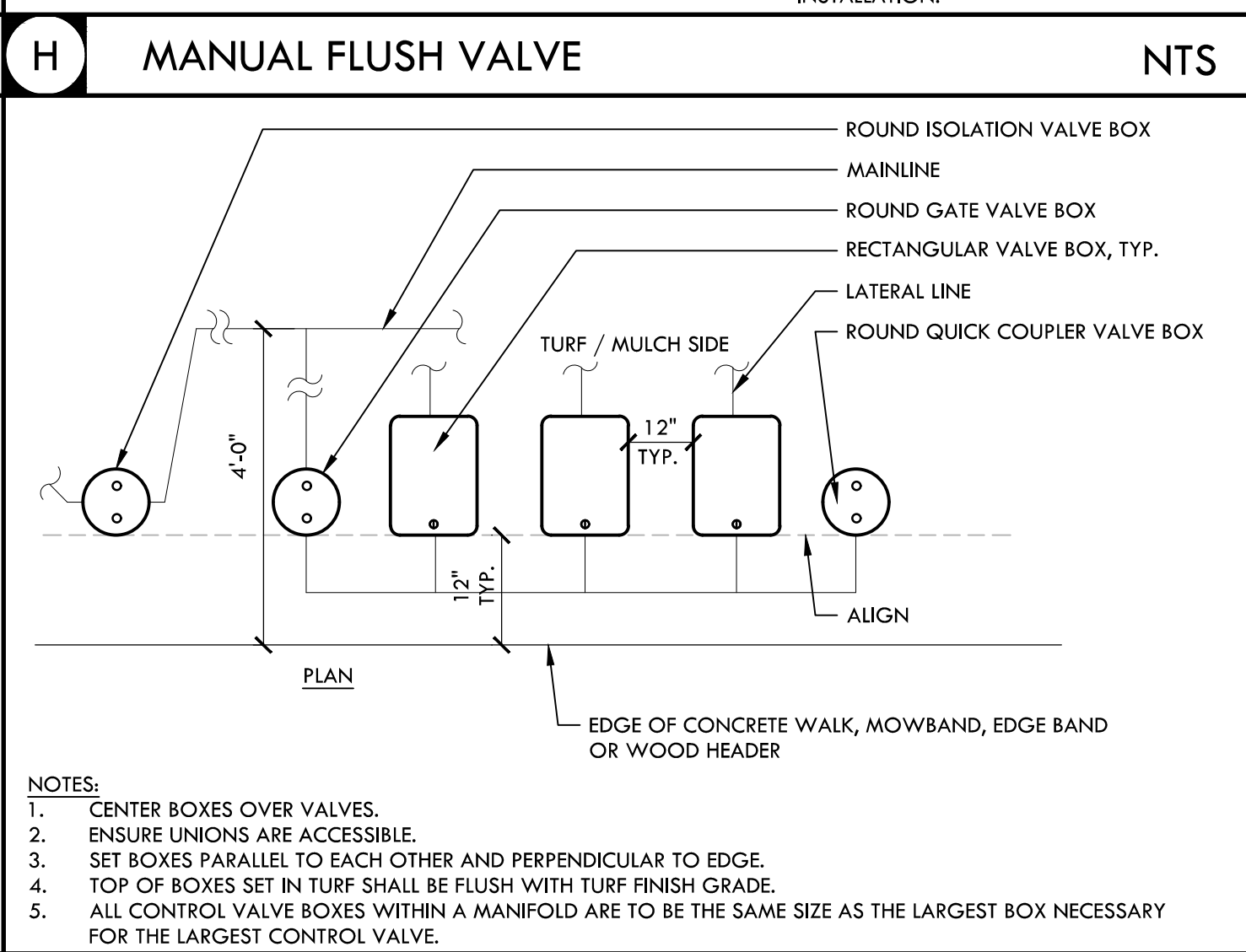
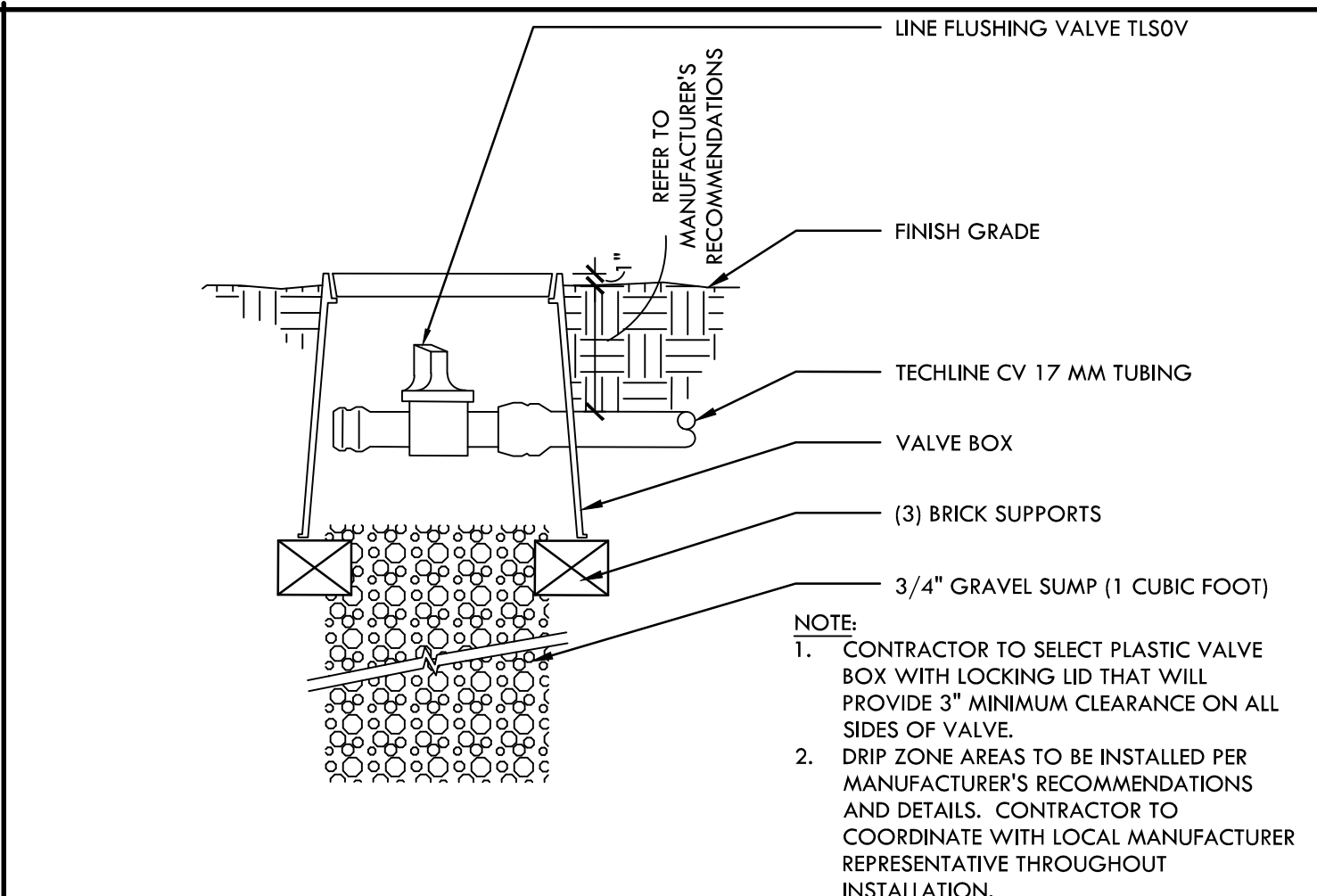
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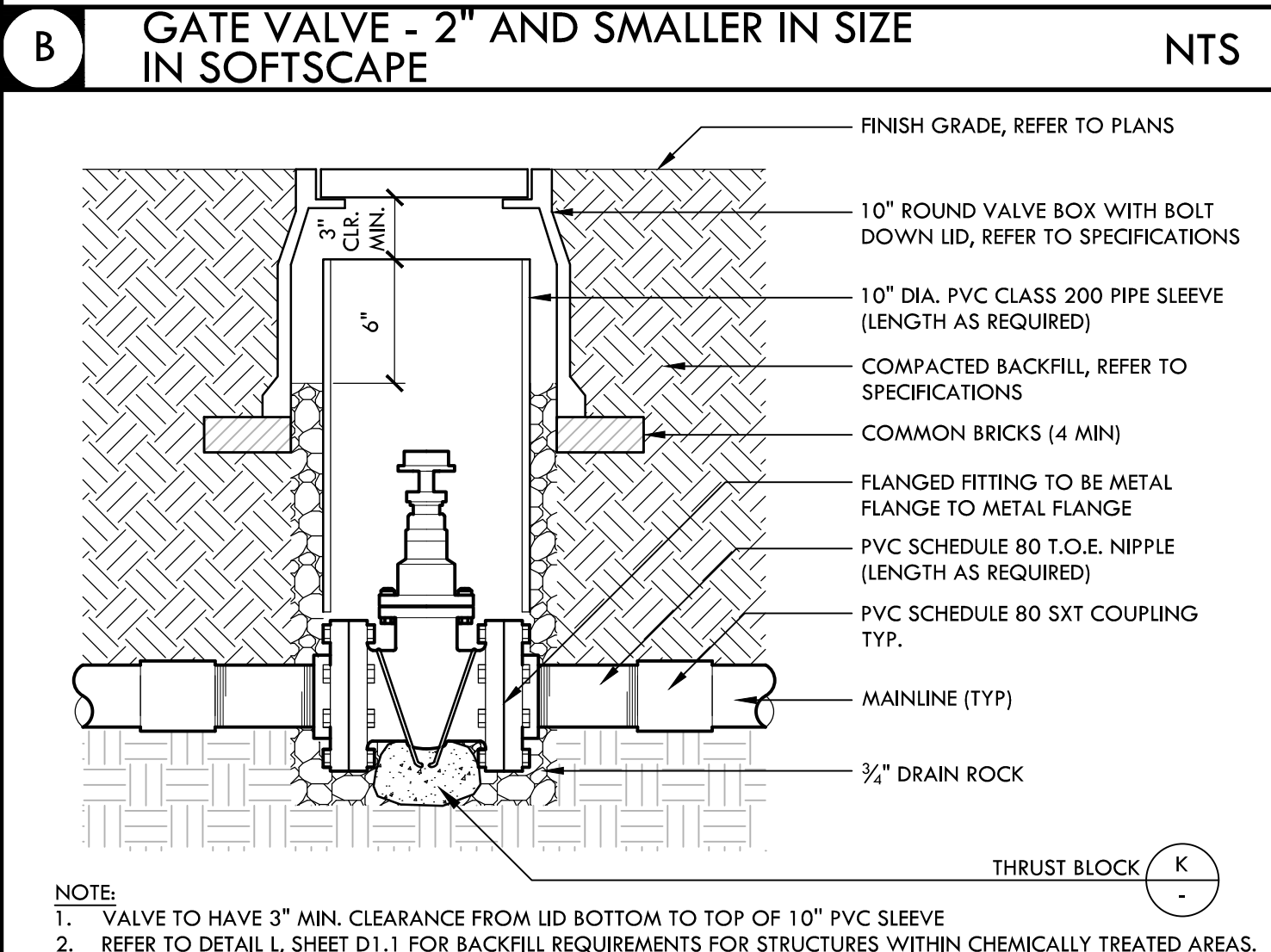
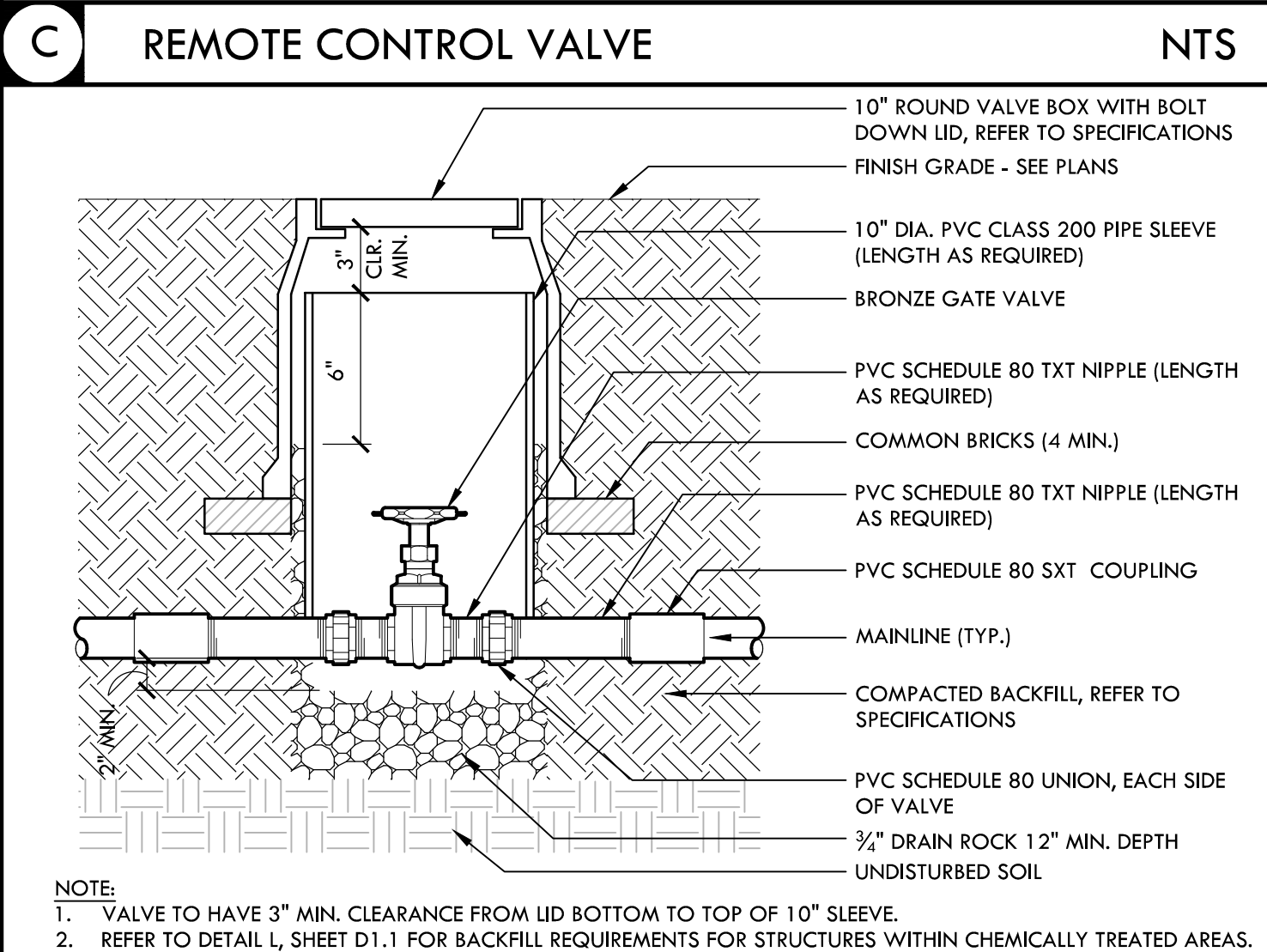
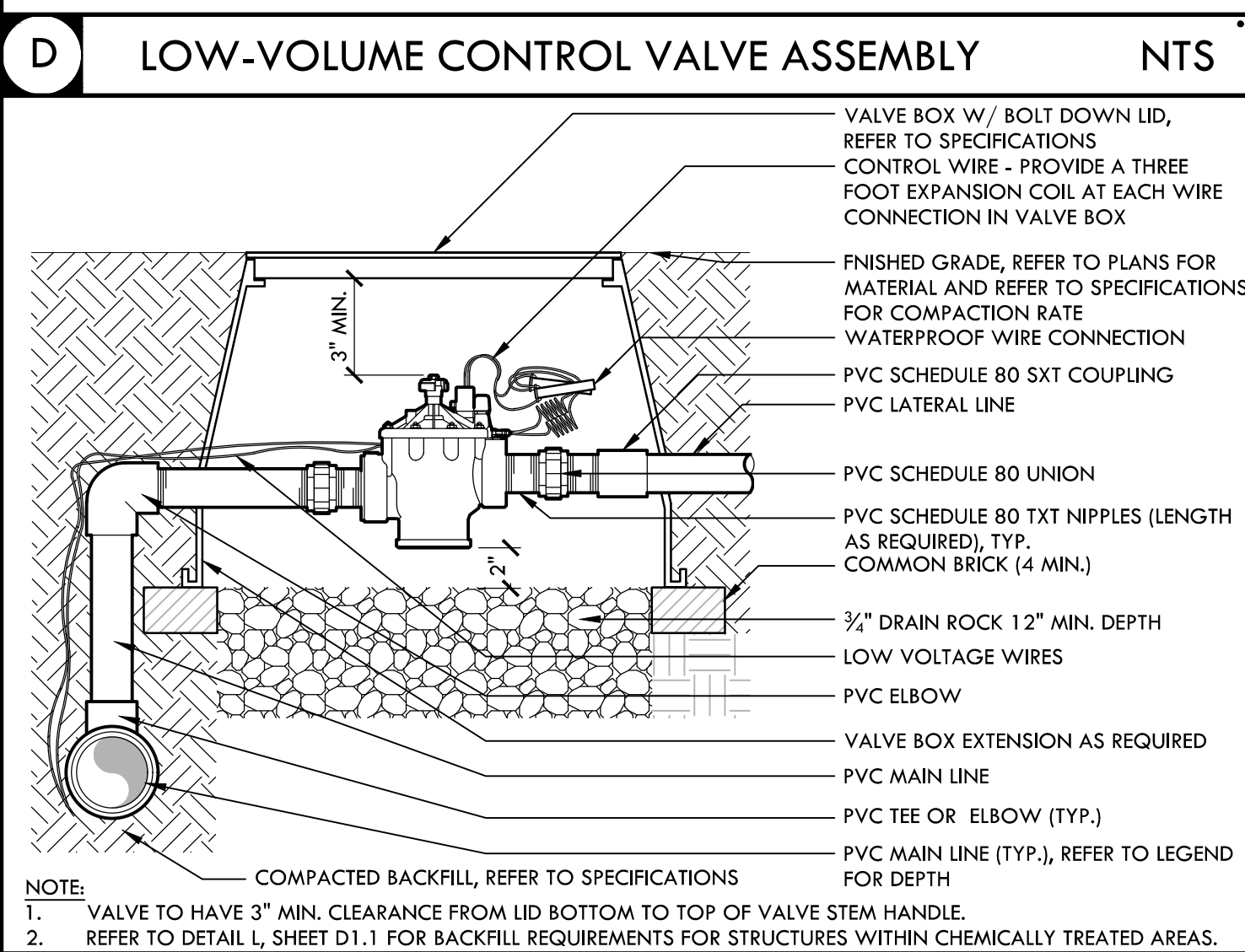
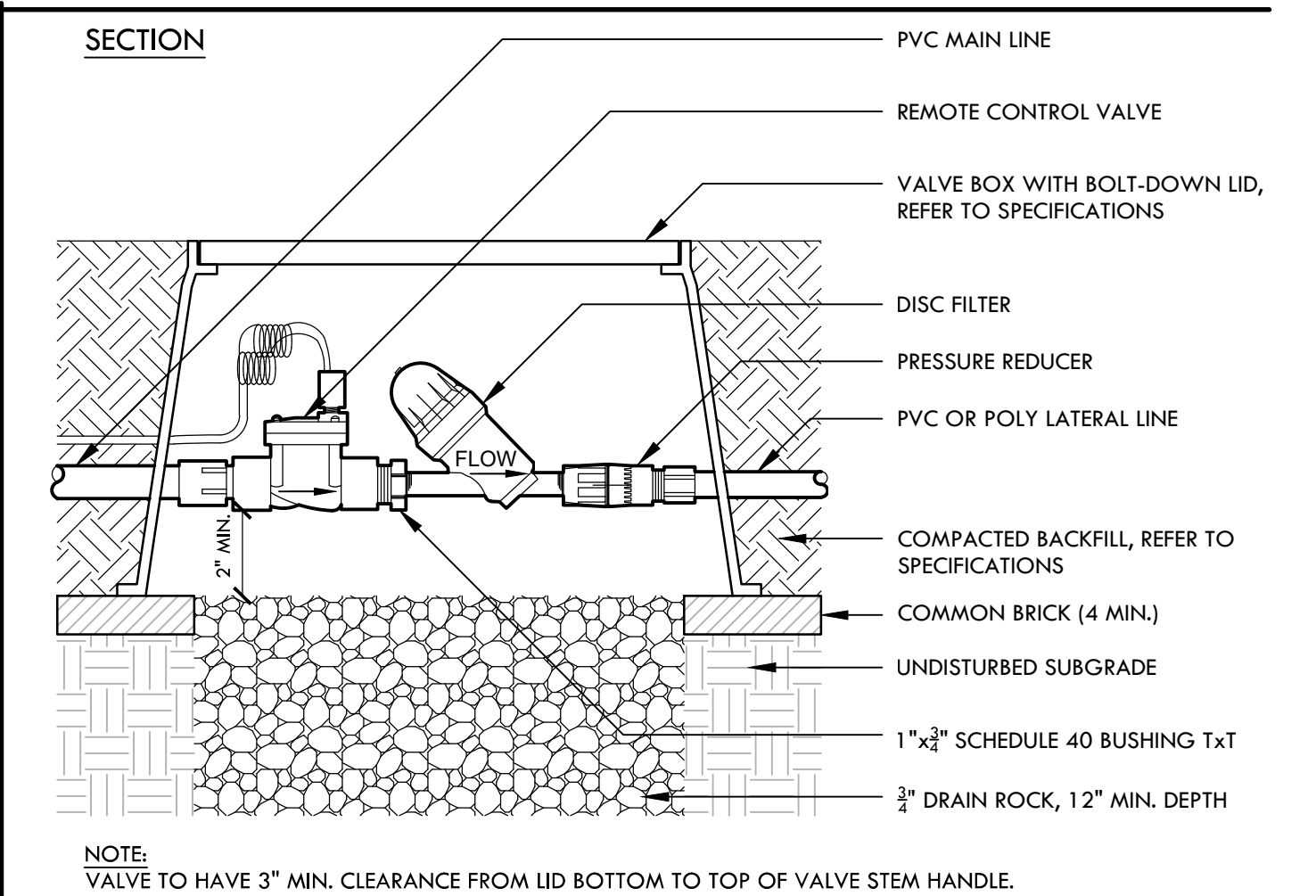
M POP UP AND SWING JOINT NTS



E HIGH-VOLUME CONTROL VALVE ASSEMBLY NTS



A GATE VALVE - 2 1/2" AND LARGER IN SOFTSCAPE NTS



B GATE VALVE - 2" AND SMALLER IN SIZE IN SOFTSCAPE NTS

CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS
211 Hillcrest Avenue
Marina, CA 93933

SCALE: SEE PLAN
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS
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LANDSCAPE ARCHITECTURE
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2455 The Alameda
San Jose, CA 95050
tel: 408.985.7200
fax: 408.985.7260
www.VerdeDesigninc.com

REGISTERED LANDSCAPE ARCHITECT
DEREK MCKEE
No. 4148
Signature
EXPIRATION DATE: DEC. 2025
STATE OF CALIFORNIA

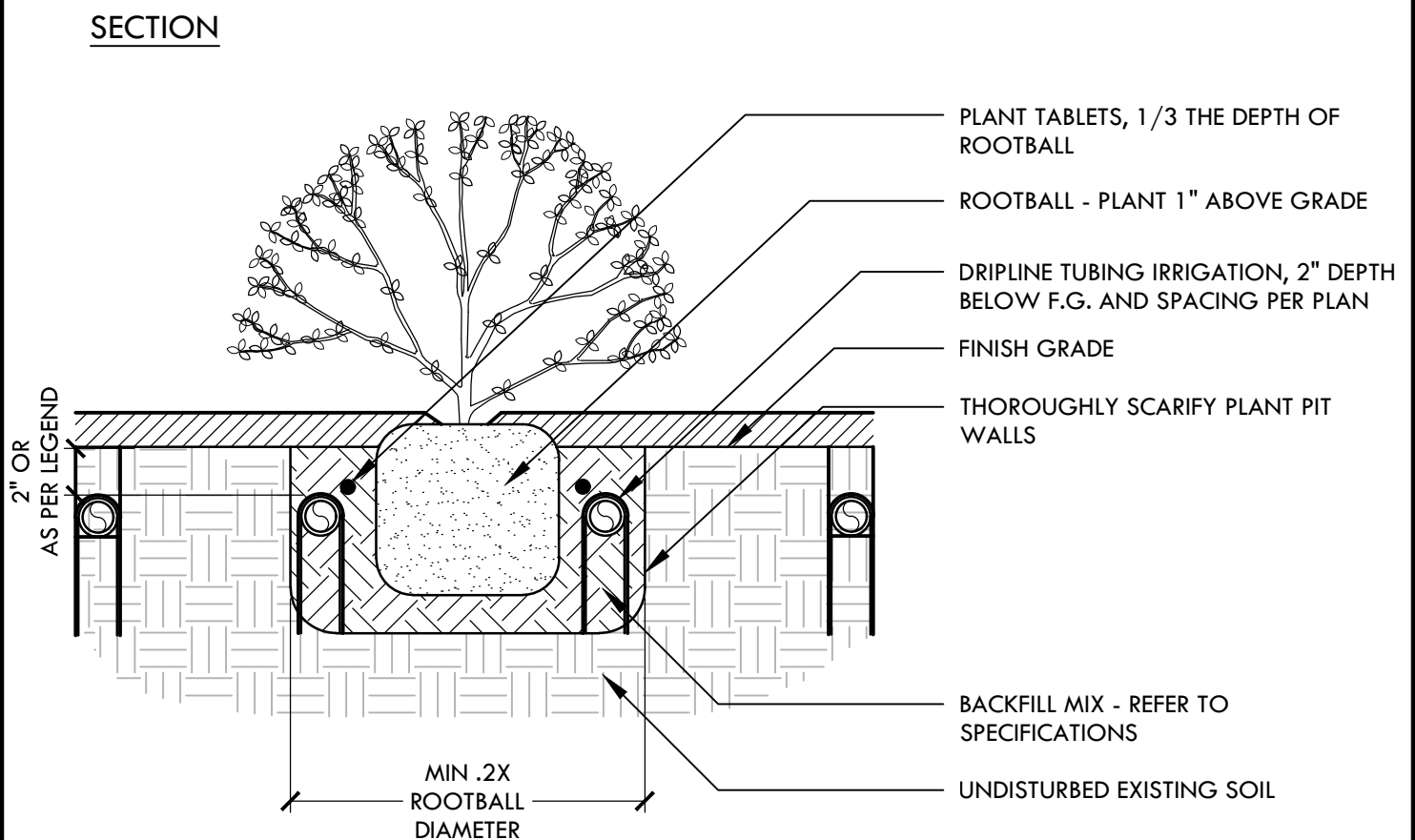
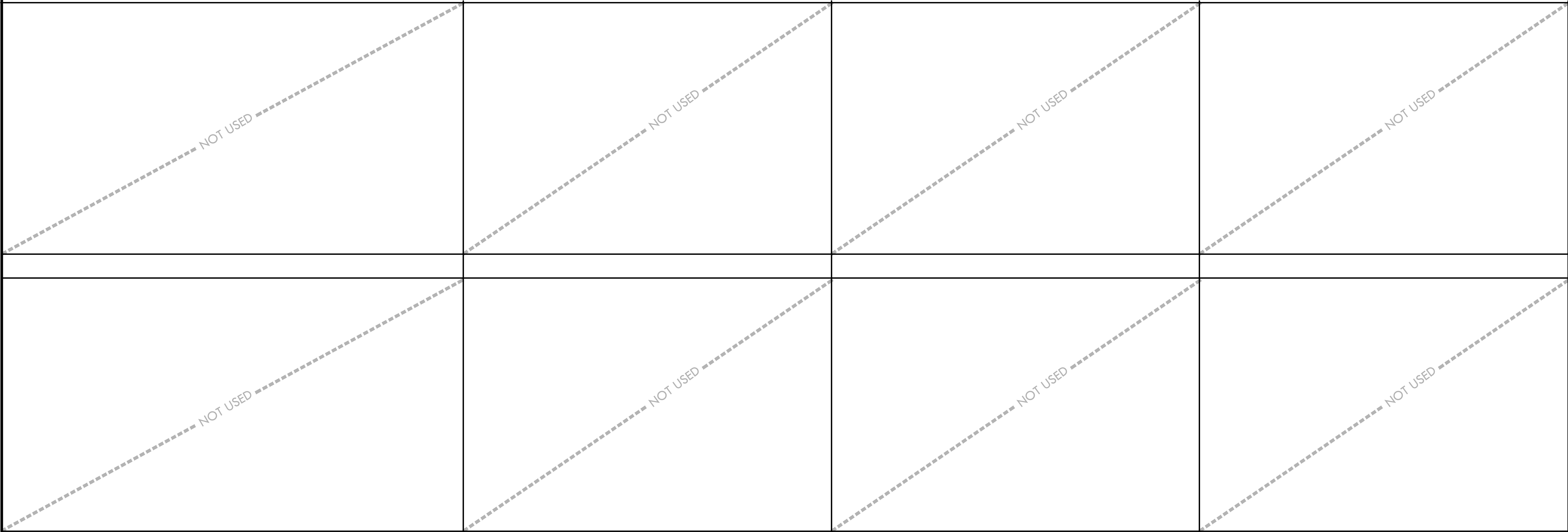
**GLORIA JEAN TATE PARK IMPROVEMENTS
PHASE 2**
PLANTING AND IRRIGATION DETAILS
D3.1

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
VERDE	VERDE	DFC/DM	QLP2119	29	45

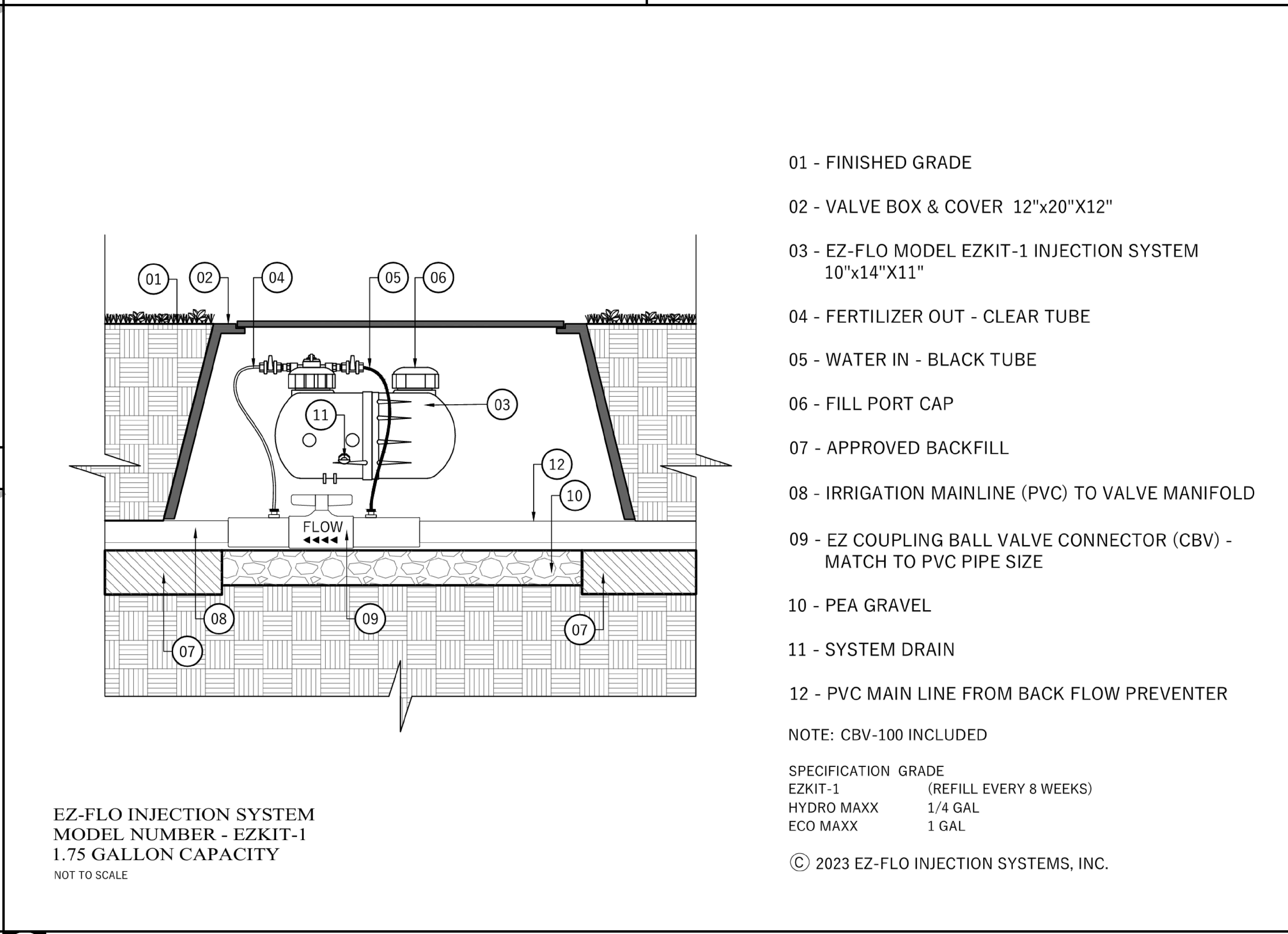
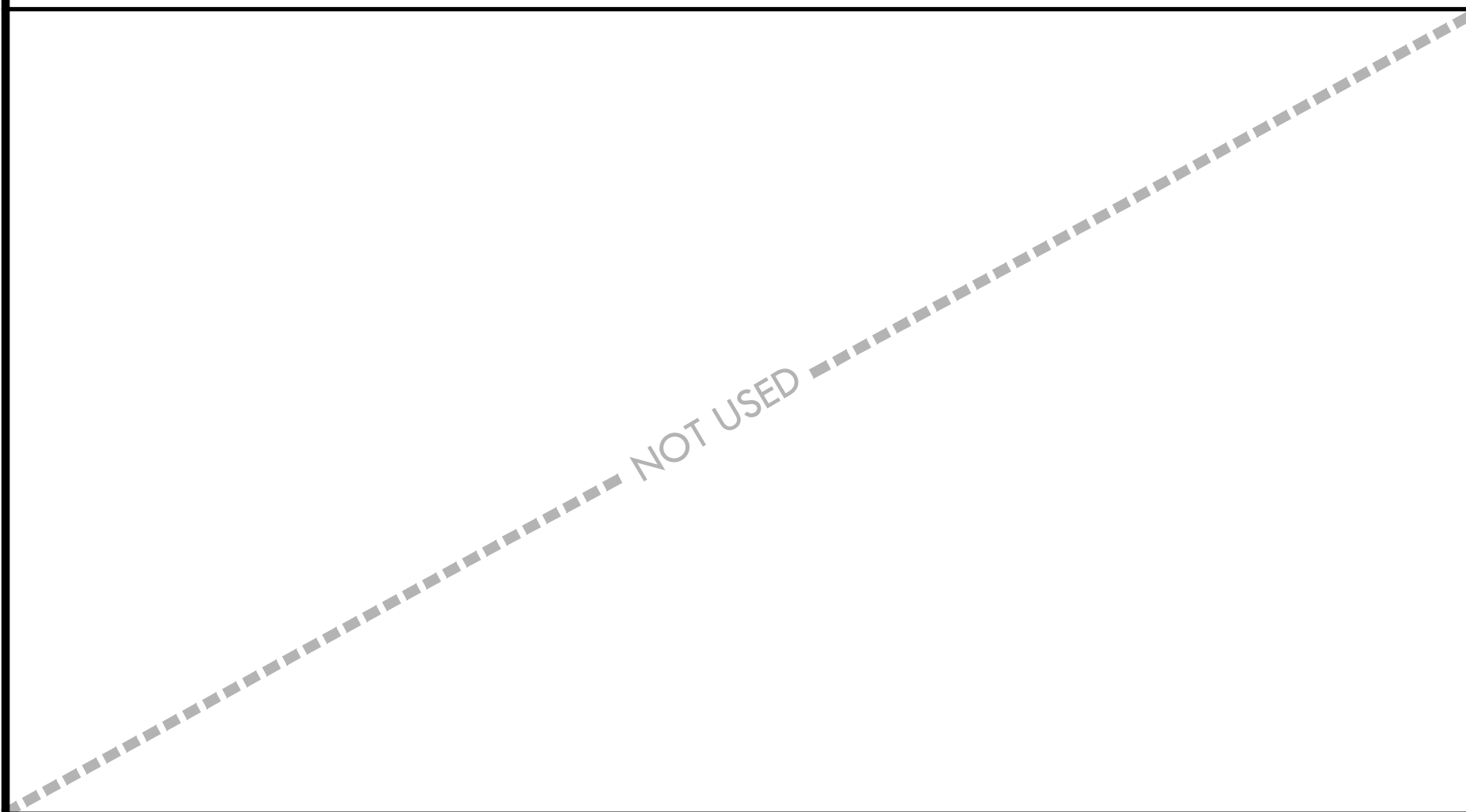
VERDE DESIGN, INC. PROJECT NO. 2207300

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PLOT DATE: 11/8/2024 5:19 PM
BY: STATION41

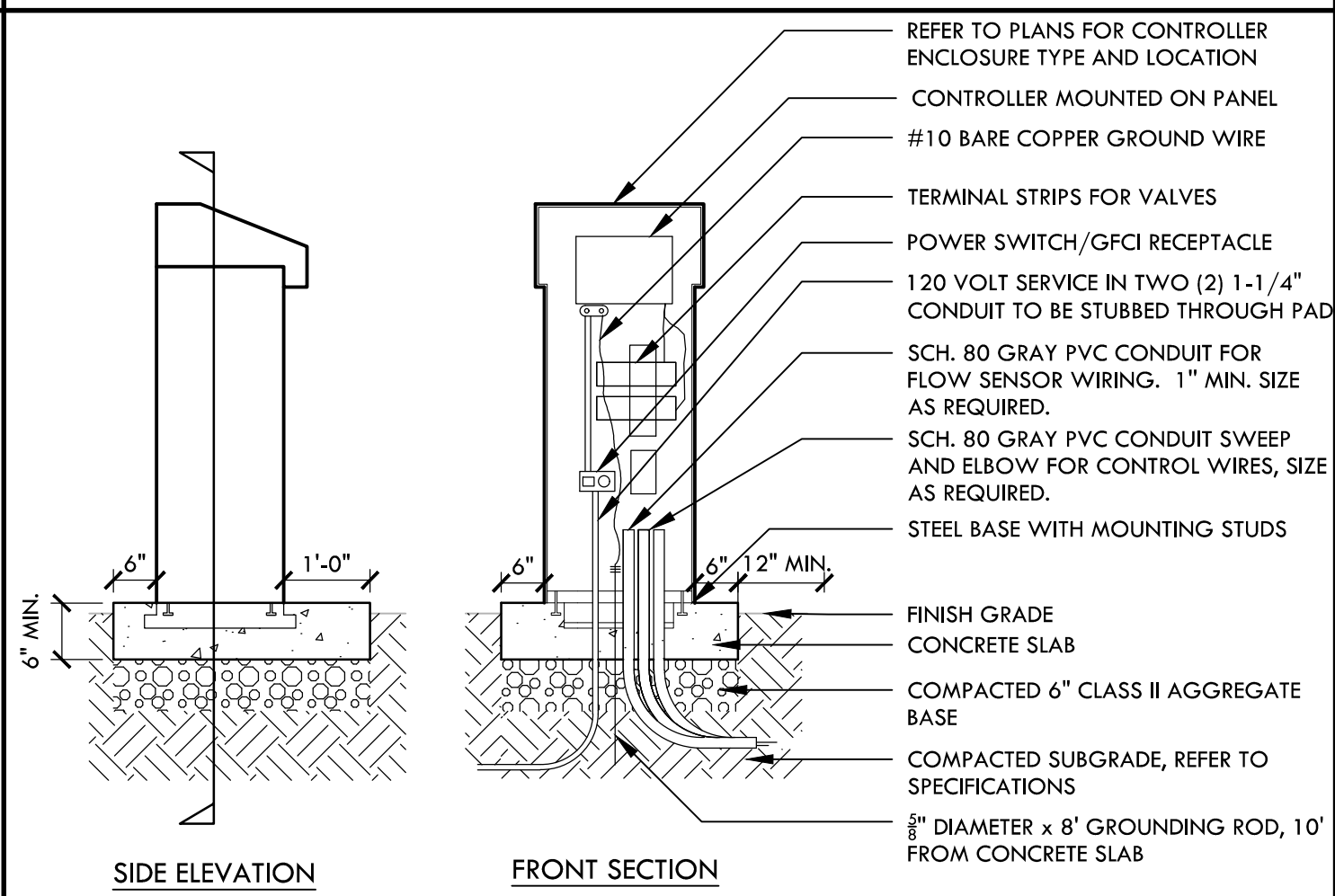
BD SUBMITTAL - 2024/11/08



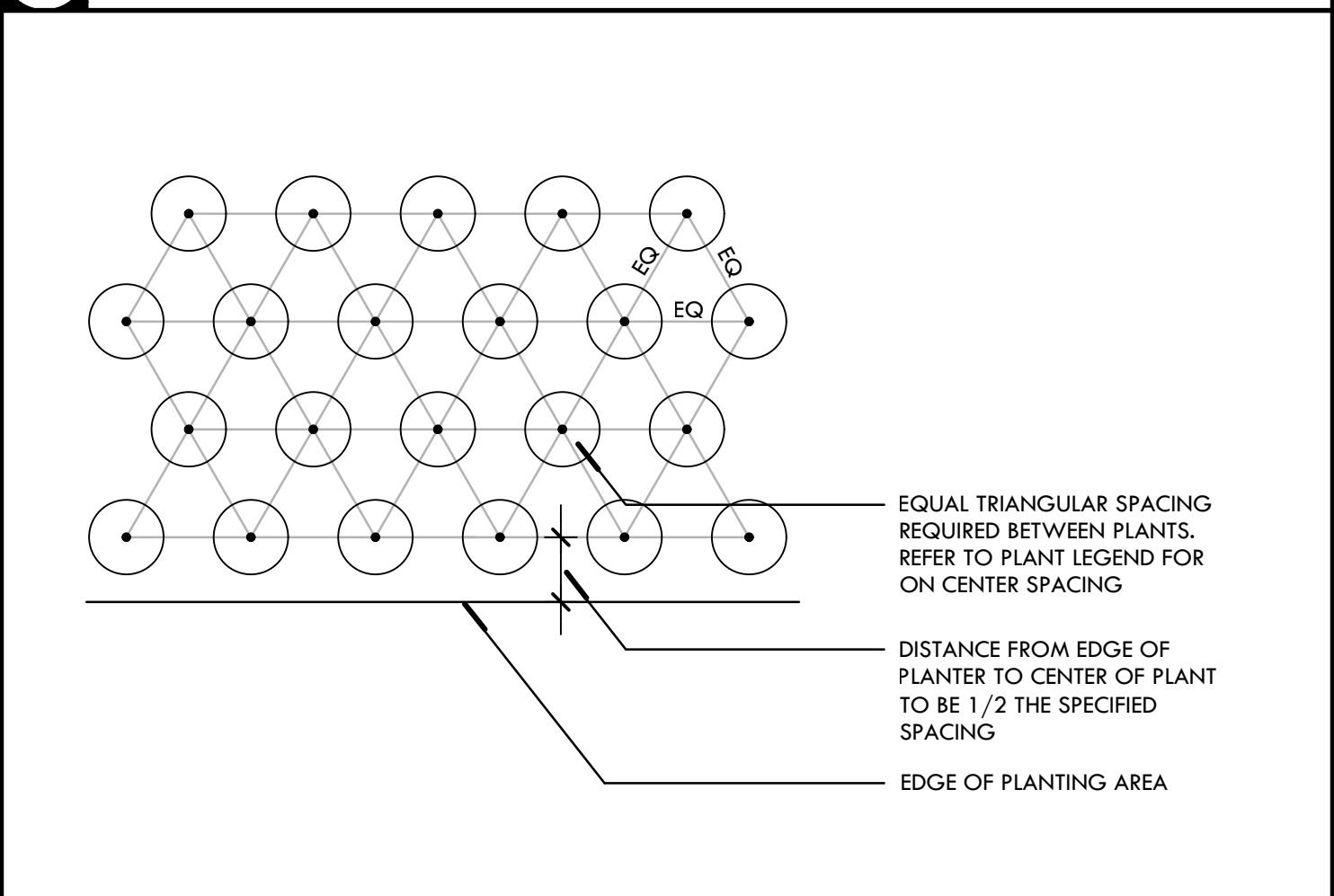
C SHRUB PLANTING W/ DRIPLINE IRRIGATION **NTS**



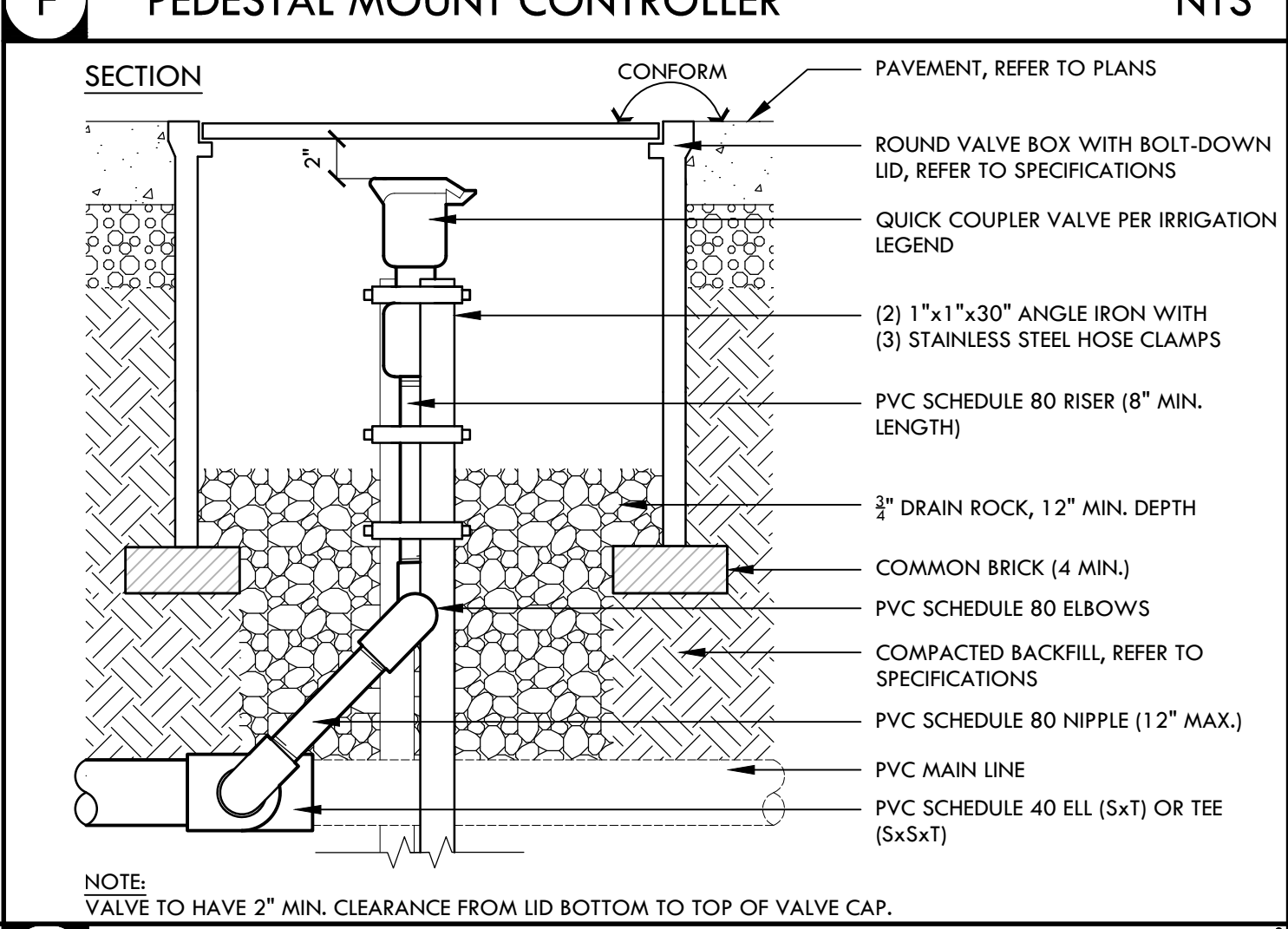
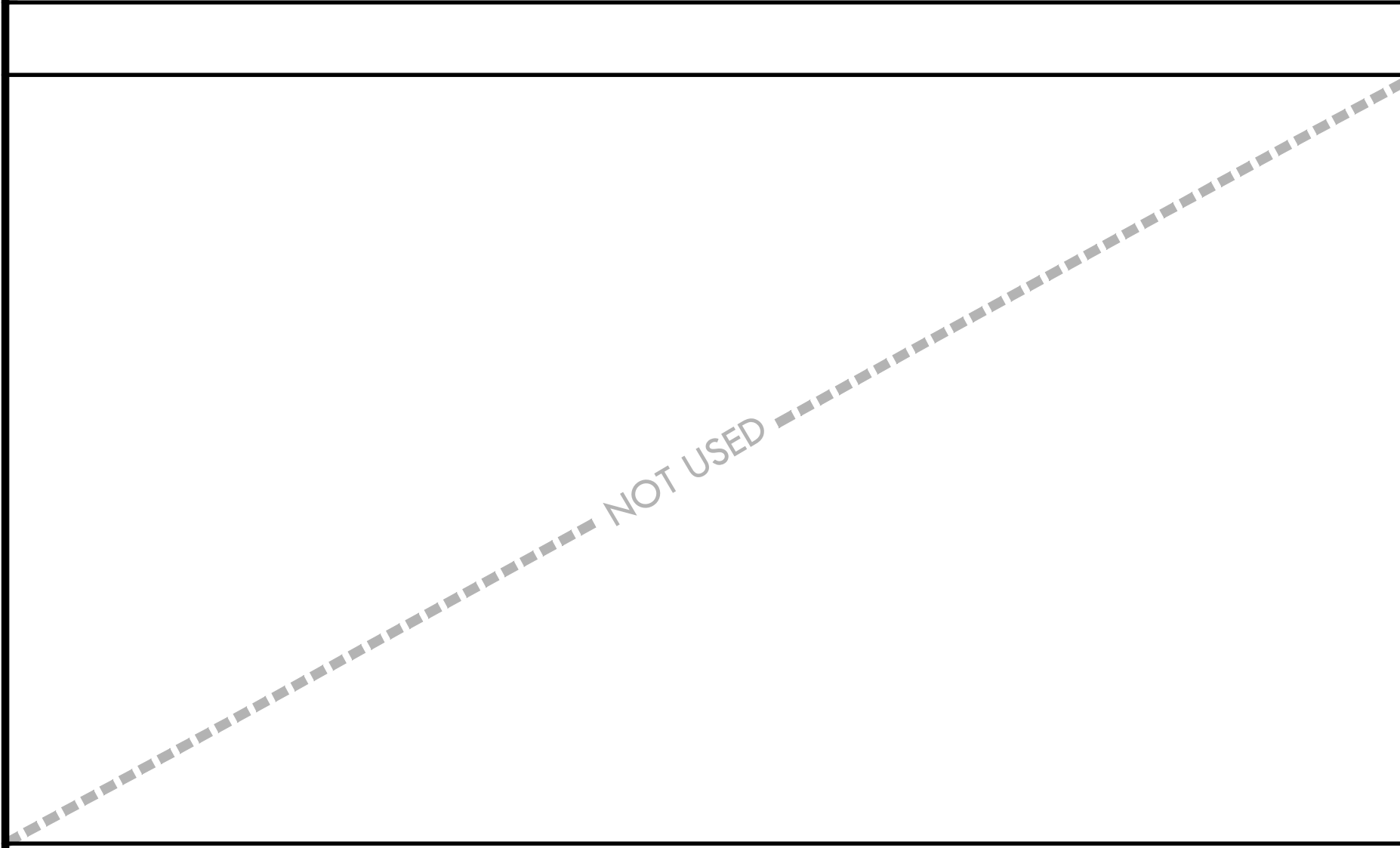
G IN-LINE FERTIGATION SYSTEM **NTS**



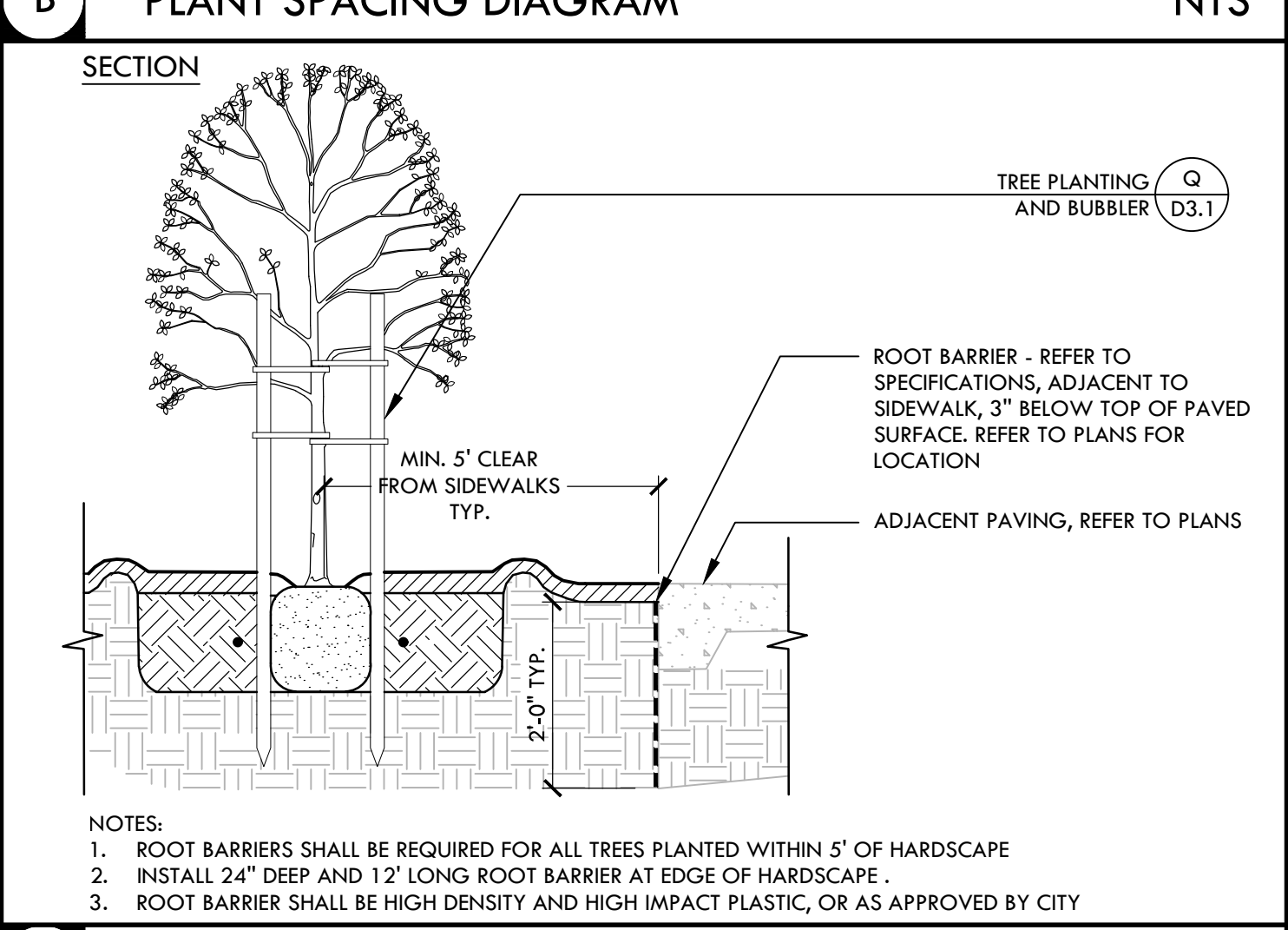
F PEDESTAL MOUNT CONTROLLER **NTS**



B PLANT SPACING DIAGRAM **NTS**



E QUICK COUPLER VALVE - IN PAVEMENT **NTS**



A ROOT BARRIER AT PAVING **NTS**



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

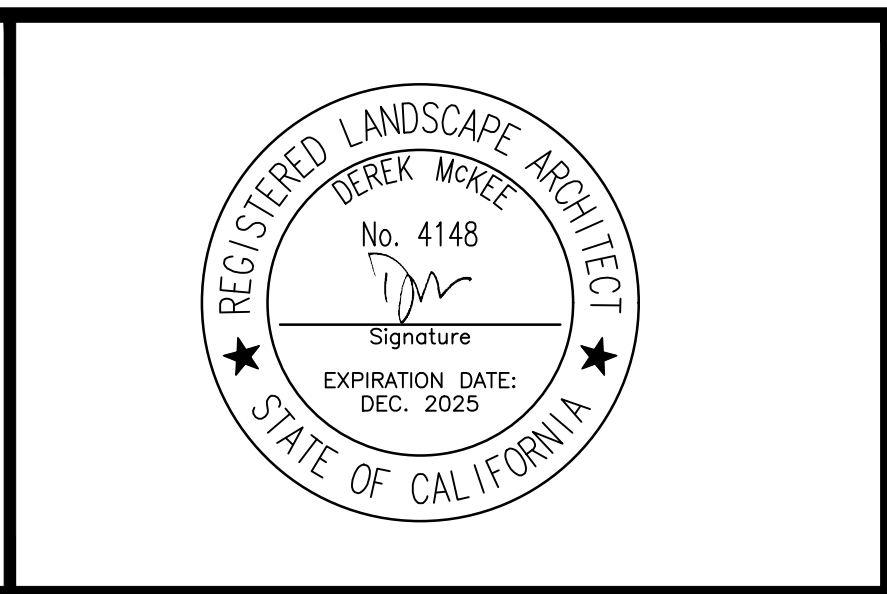
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VERDE DESIGN

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tel: 408.985.7200
fax: 408.985.7260
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**GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2**

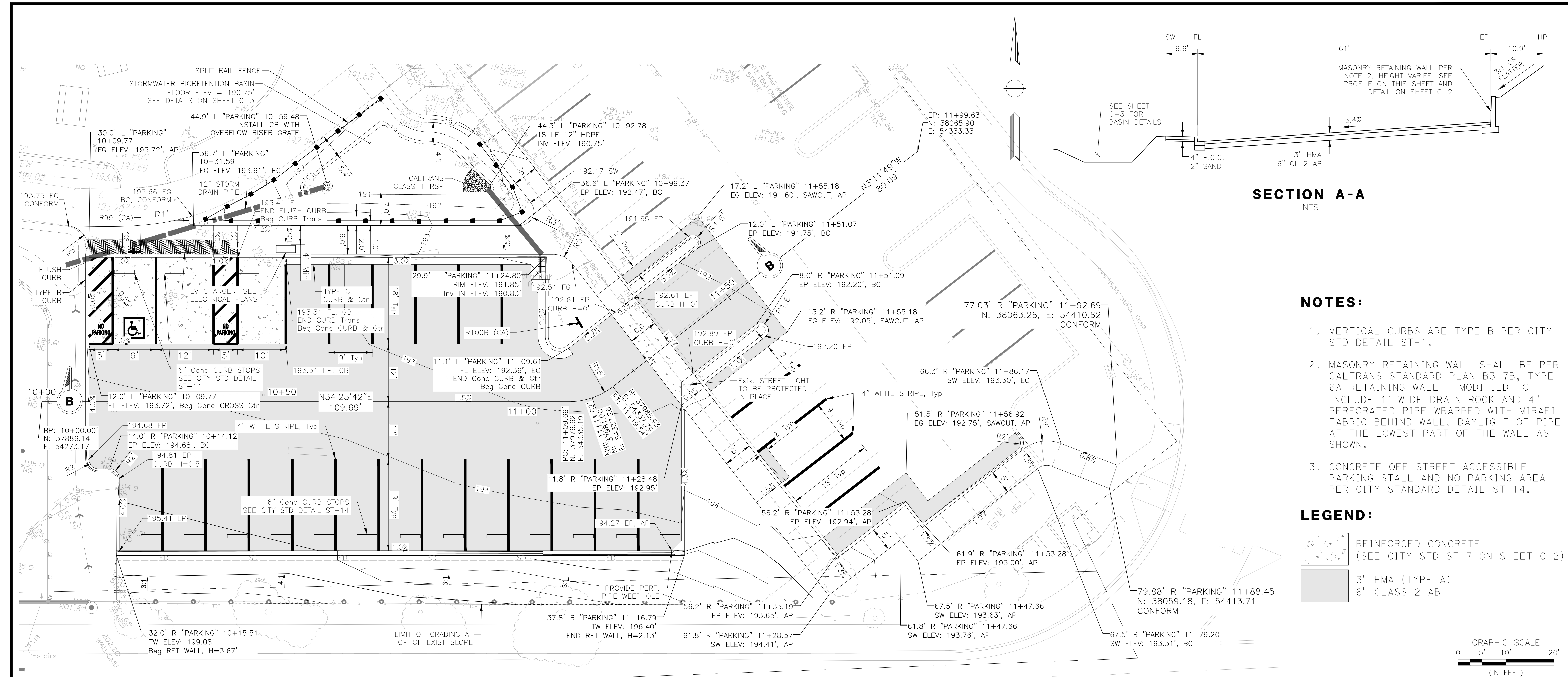
**PLANTING AND IRRIGATION DETAILS
D3.2**

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
VERDE	VERDE	DFC/DM	QLP2119	30	45

VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: _D4.1-IRR.DWG
PLOT DATE: 11/25/2024 2:52 PM
BY: STATION41

BD SUBMITTAL - 2024/11/08

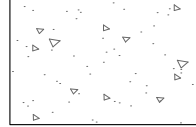


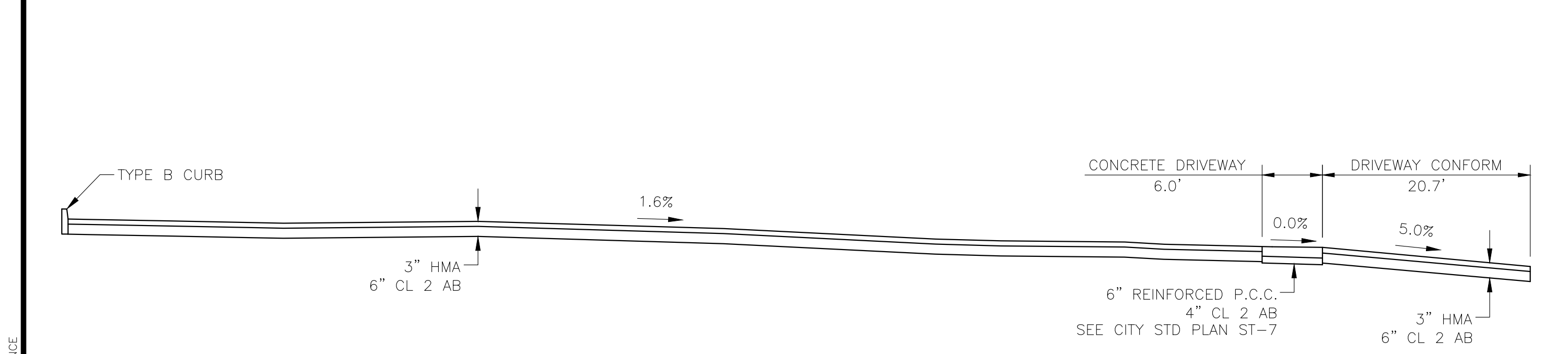
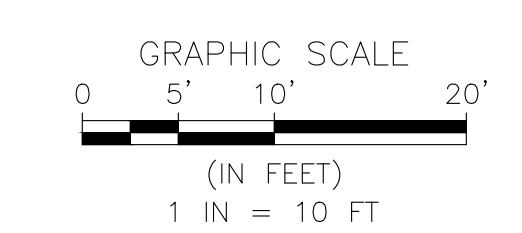
SECTION A-A
NTS

NOTES:

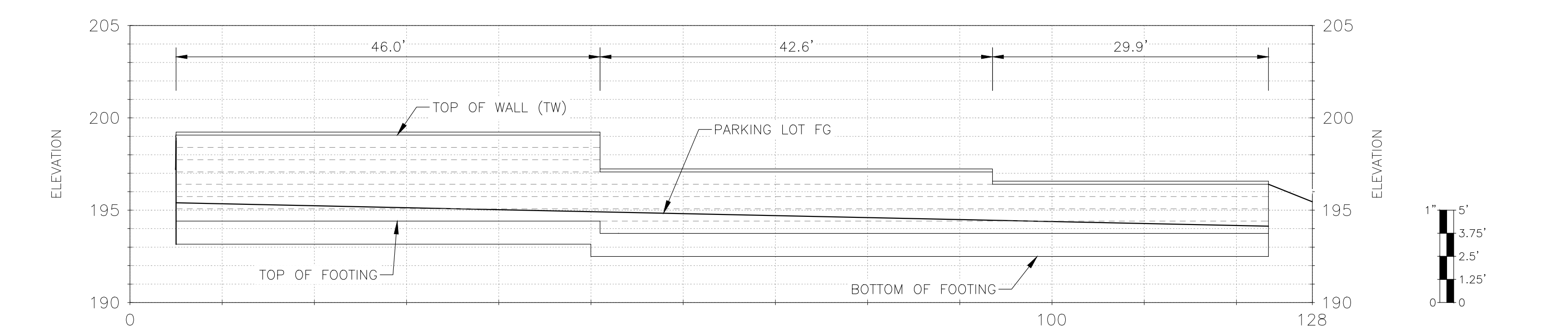
1. VERTICAL CURBS ARE TYPE B PER CITY STD DETAIL ST-1.
2. MASONRY RETAINING WALL SHALL BE PER CALTRANS STANDARD PLAN B3-7B, TYPE 6A RETAINING WALL - MODIFIED TO INCLUDE 1' WIDE DRAIN ROCK AND 4" PERFORATED PIPE WRAPPED WITH MIRAFI FABRIC BEHIND WALL, DAYLIGHT OF PIPE AT THE LOWEST PART OF THE WALL AS SHOWN.
3. CONCRETE OFF STREET ACCESSIBLE PARKING STALL AND NO PARKING AREA PER CITY STANDARD DETAIL ST-14.

LEGEND:

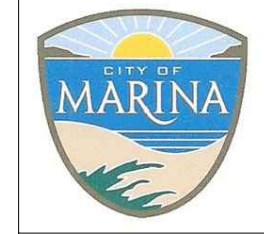
-  REINFORCED CONCRETE (SEE CITY STD ST-7 ON SHEET C-2)
-  3" HMA (TYPE A)
6" CLASS 2 AB



SECTION B-B
NTS



SECTION C-C
NTS



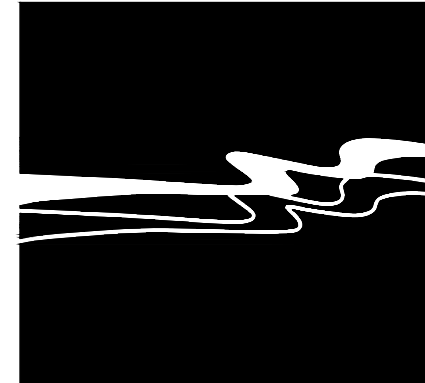
CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: HORIZ AS SHOWN
VERT N/A

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS



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PROJECT ENGINEER

November 25, 2024

PLANS APPROVAL DATE



GLORYA JEAN TATE PARK IMPROVEMENTS

CONSTRUCTION DETAILS

C-1

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
EMC	EMP	EMC	1585-0001-2119	1	3

FILE NAME: 1585-0001-2119-CDET.DWG
12/2/2024 2:37 PM
ETHAN PENCE

FILE NAME: 1585-0001-2119-CDET.DWG
11/25/2024 9:01 AM
ETHAN PENCE



211 Hillcrest Avenue
Marina, CA 93933

CITY OF MARINA

DEPARTMENT OF PUBLIC WORKS

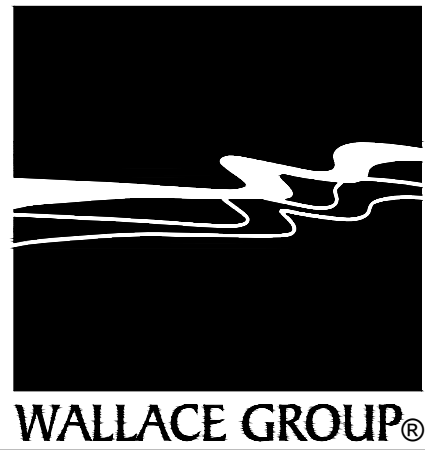
SCALE: HORIZ AS SHOWN
VERT N/A

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

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REVISIONS

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CIVIL AND TRANSPORTATION ENGINEERING
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PROJECT ENGINEER

November 25, 2024

PLANS APPROVAL DATE

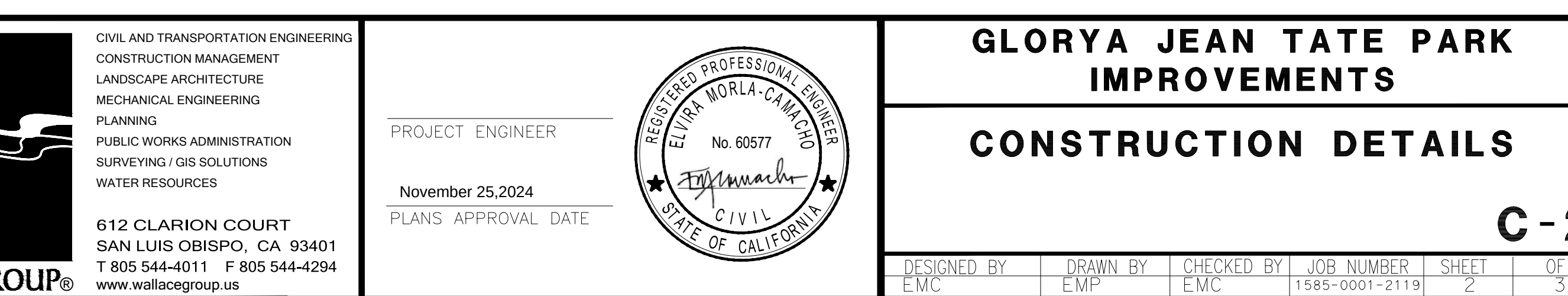
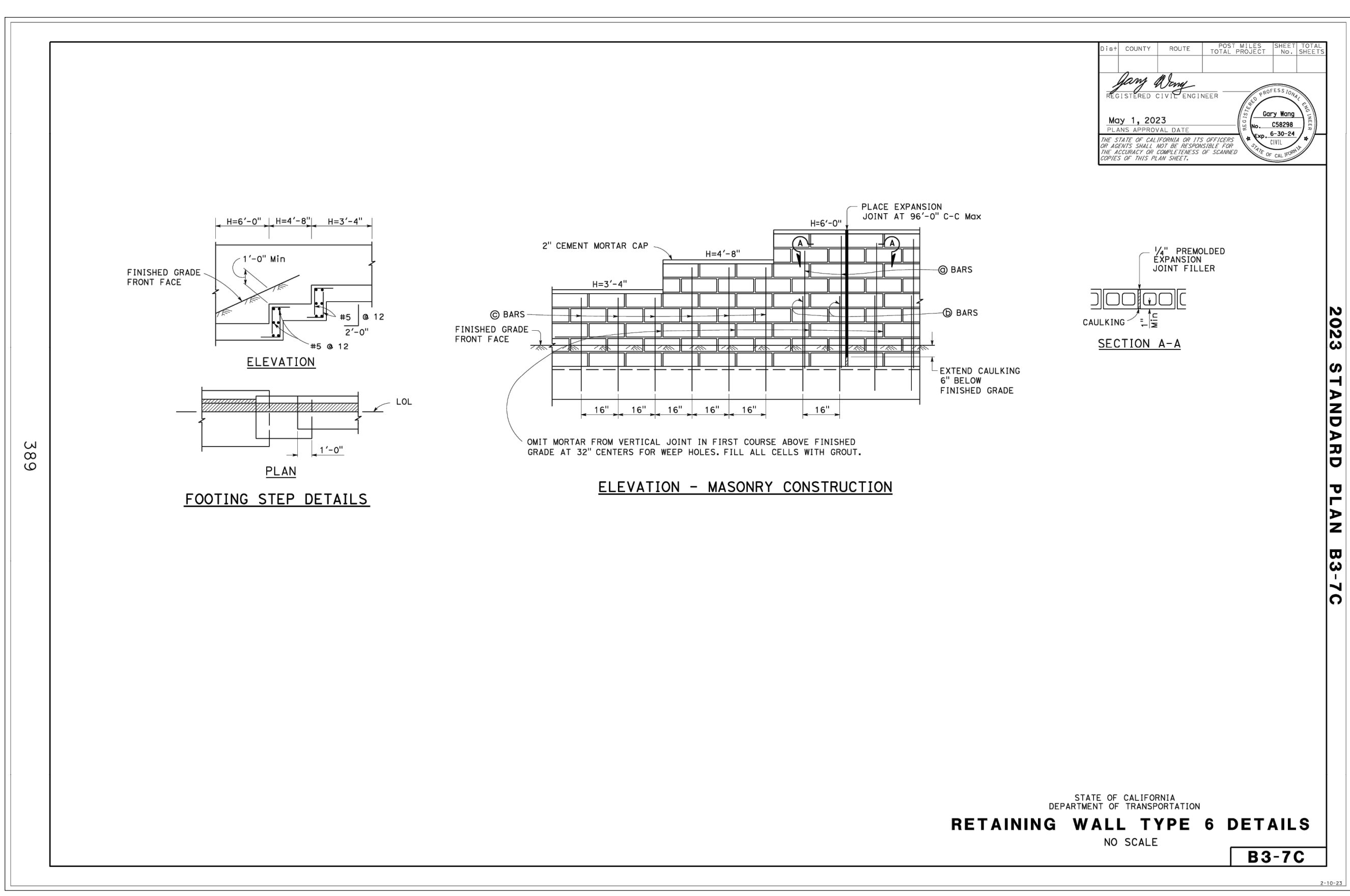
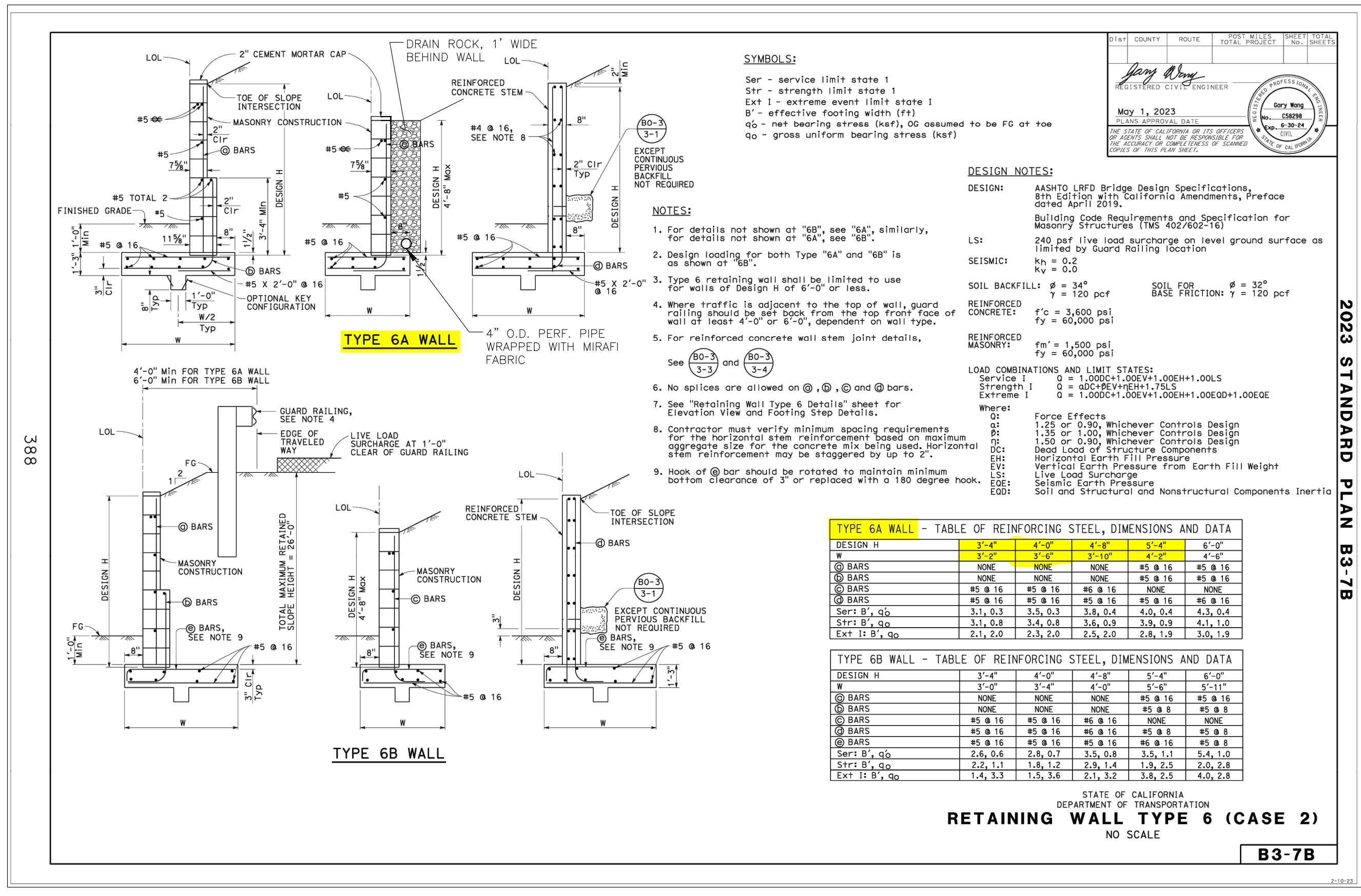
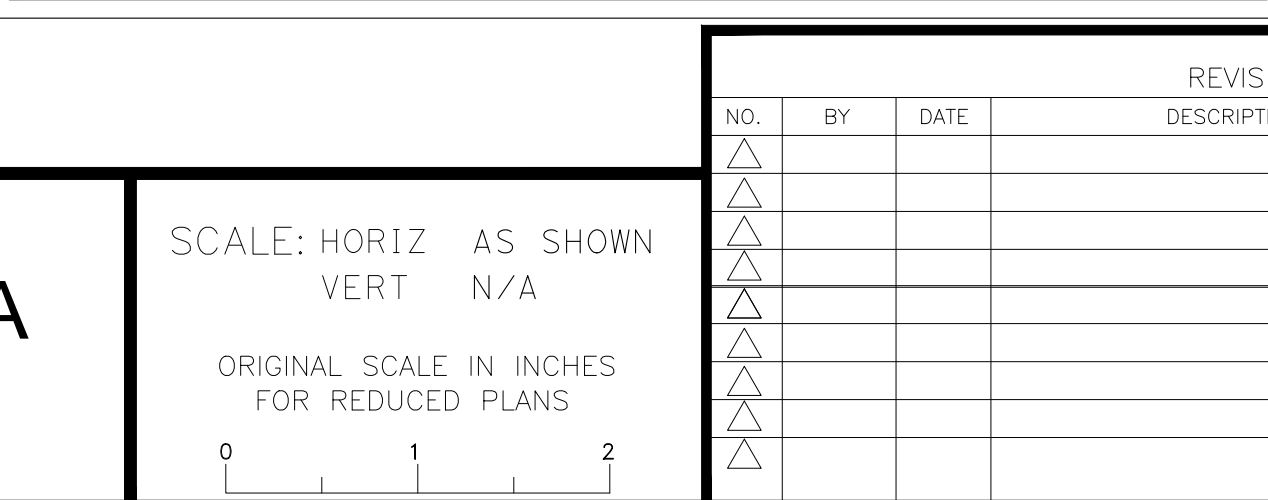
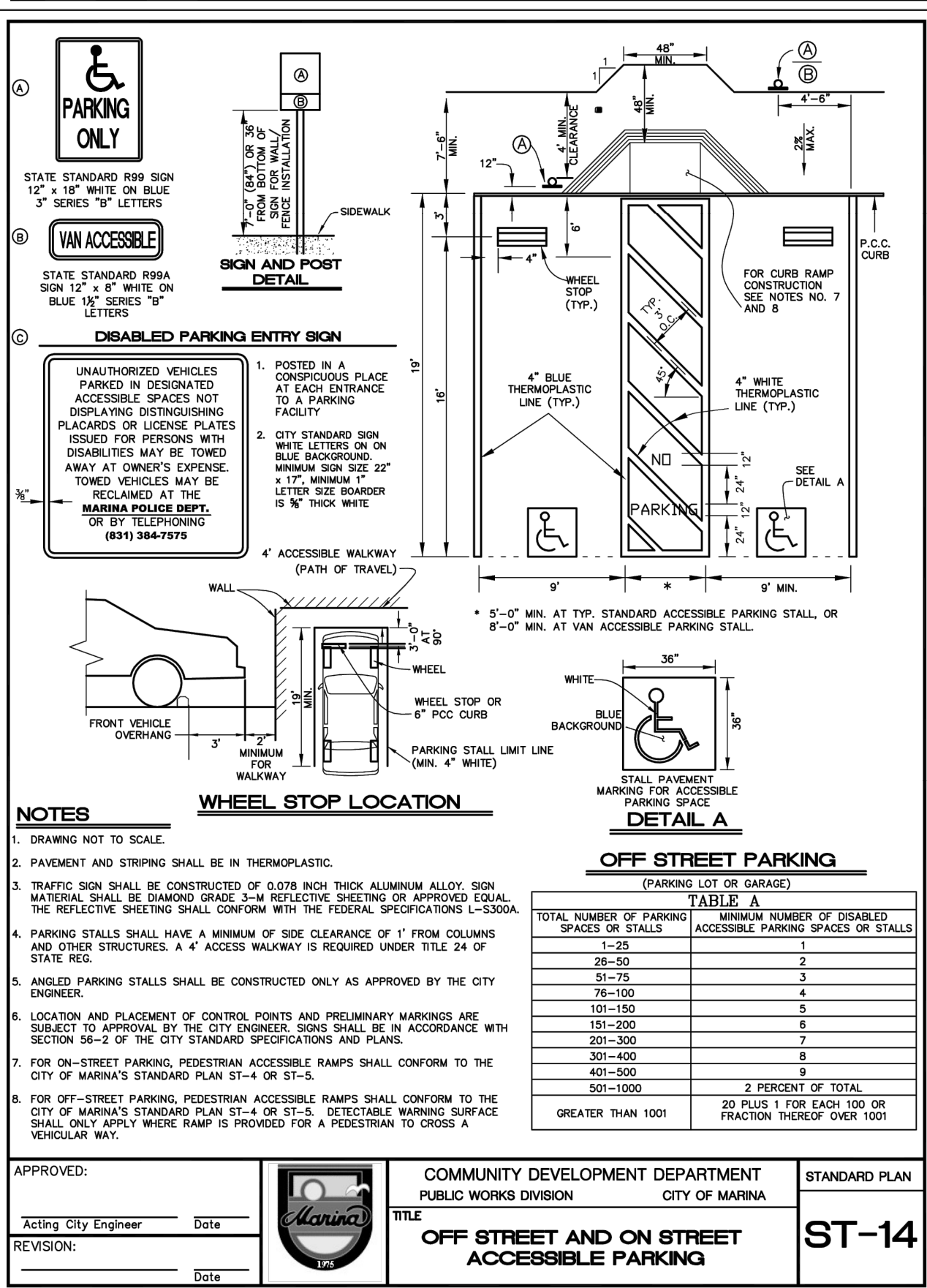
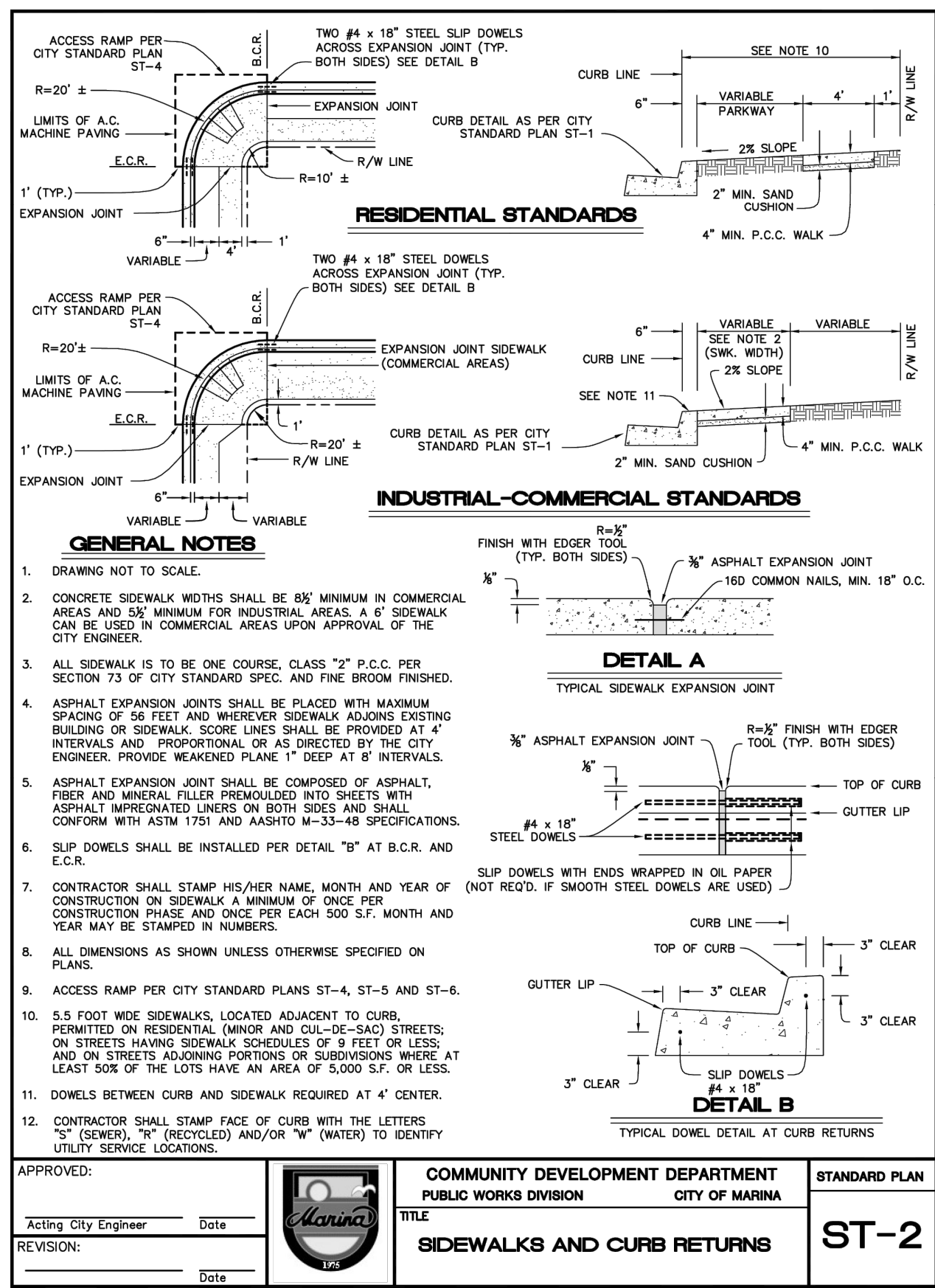
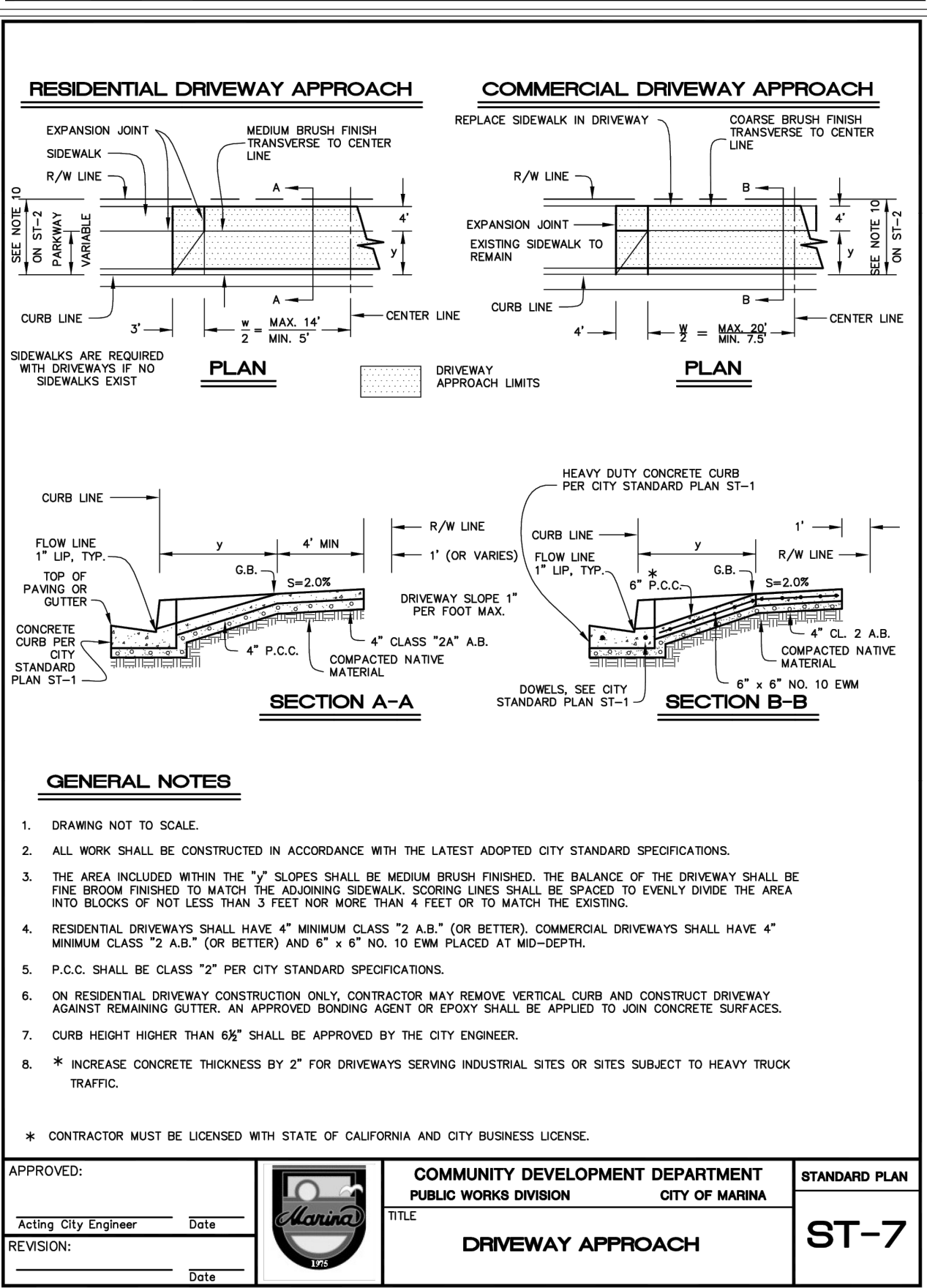
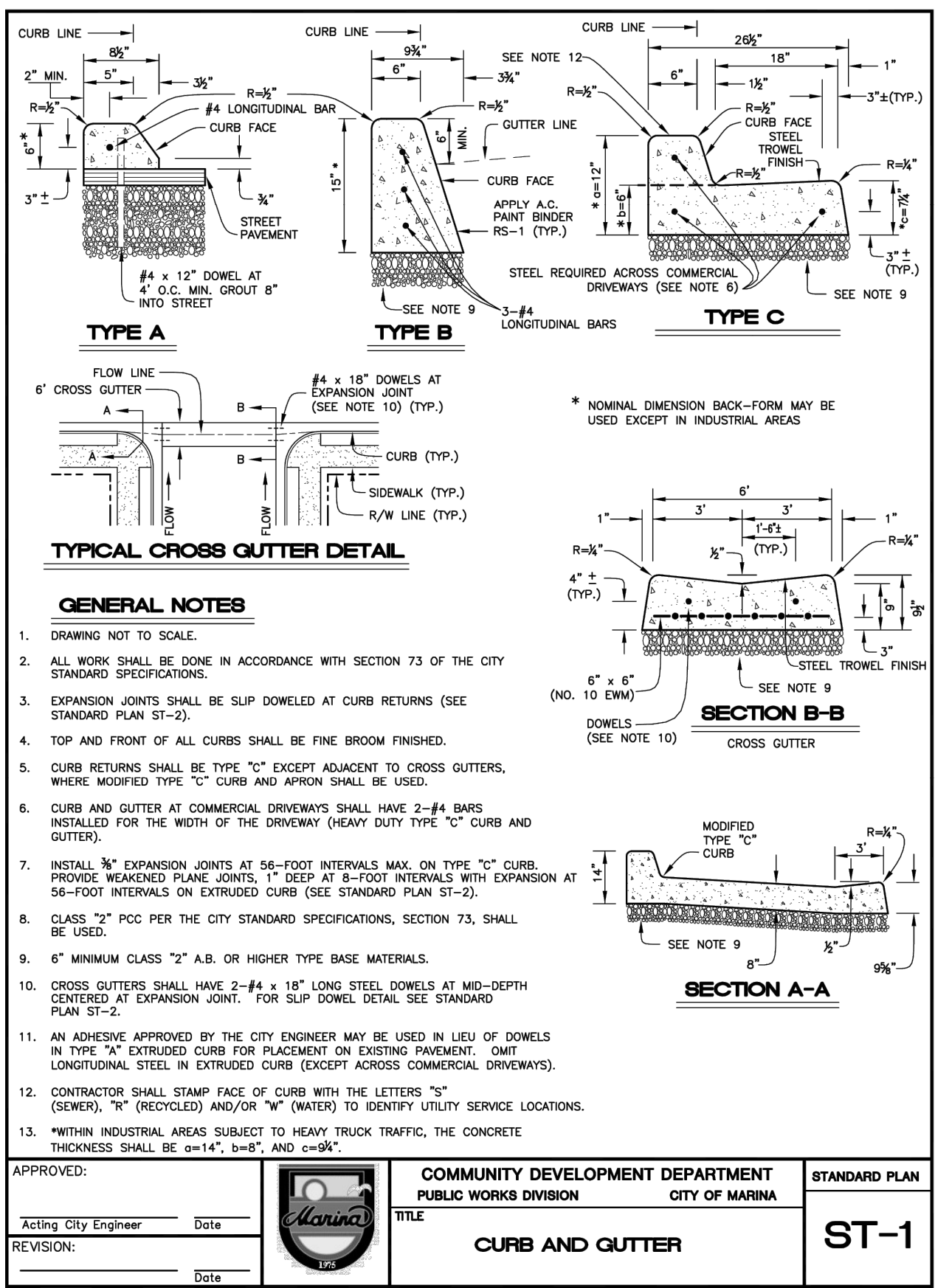


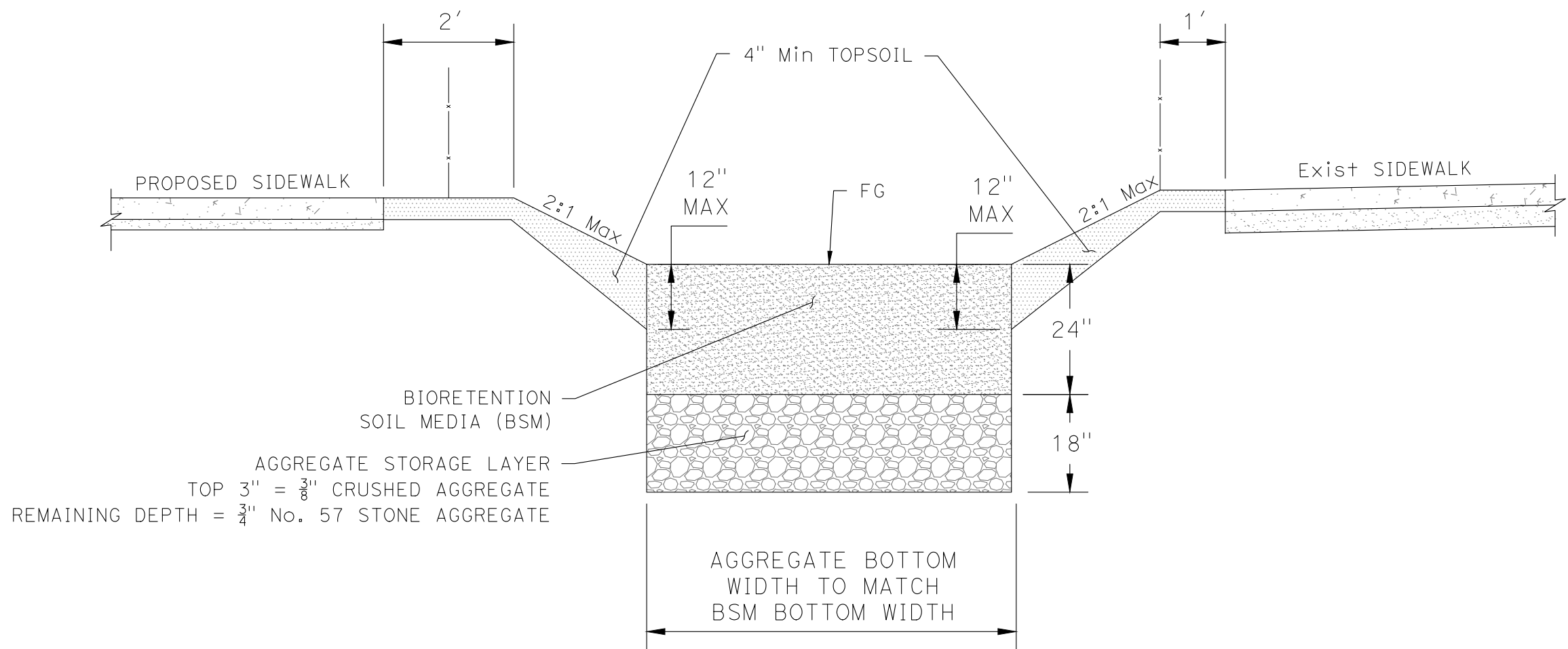
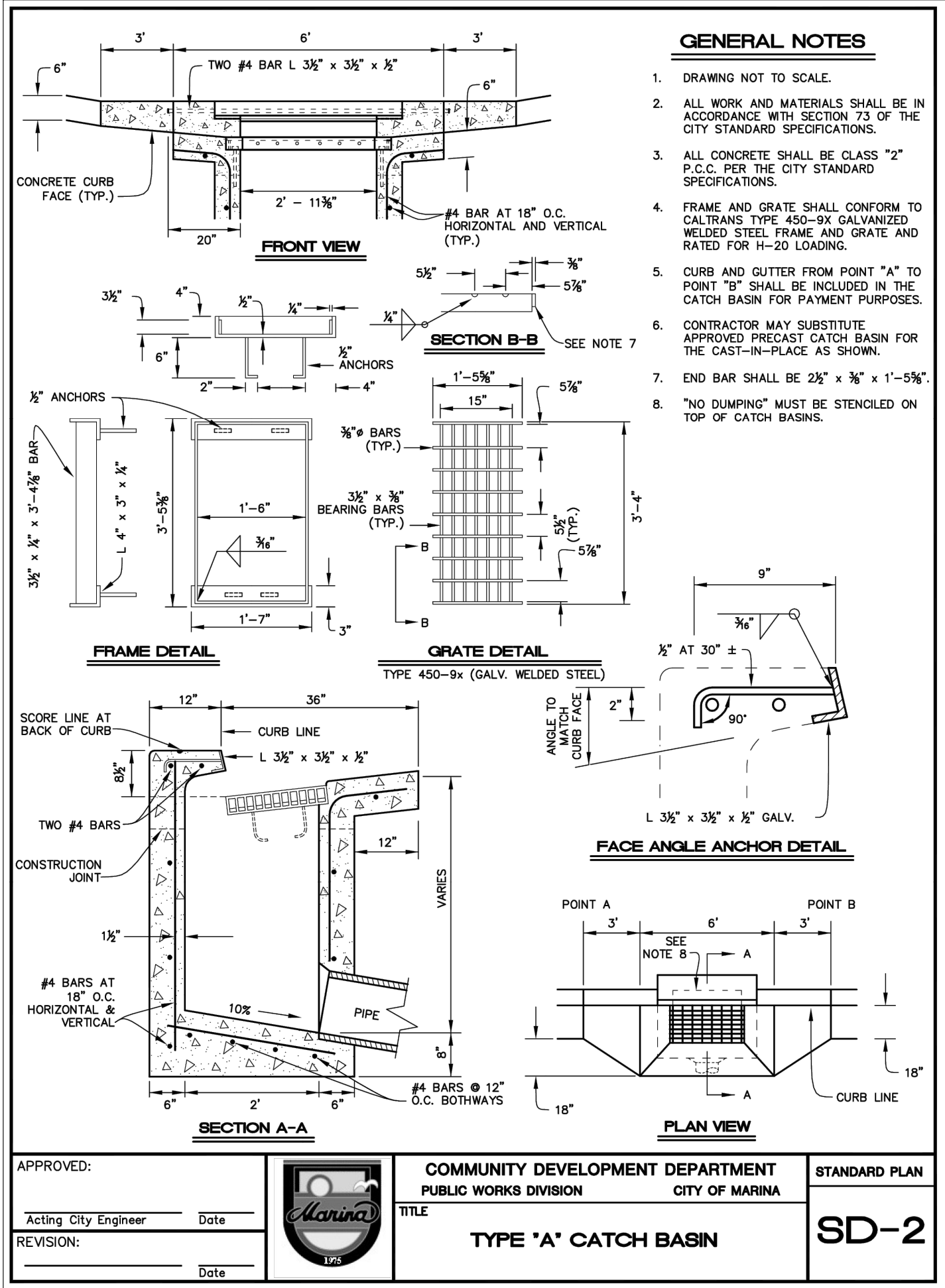
GLORYA JEAN TATE PARK IMPROVEMENTS

CONSTRUCTION DETAILS

C-2

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
EMC	EMP	EMC	1585-0001-2119	2	3





NOTES:

- MAINTAIN UNDISTURBED NATIVE SOIL BENCH TO SUPPORT ADJACENT SIDEWALK. SEQUENCE WORK TO CONSTRUCT CURBS BEFORE EXCAVATING BIORETENTION AREA FOR AGGREGATE AND BSM.
- FACILITY EXCAVATION TO ALLOW FOR SPECIFIED AGGREGATE AND BSM DEPTHS TO ACHIEVE FINISHED ELEVATION ON CIVIL PLAN.
- PLACE BSM IN 6" LIFTS. COMPACT EACH 6" LIFT OF BSM WITH LANDSCAPE ROLLER OR BY LIGHTLY WETTING. IF WETTING, LET DRY OVERNIGHT BEFORE PLANTING.
- AVOID COMPACTION OF EXISTING SUBGRADE BELOW BASIN. SCARIFY SUBGRADE TO A Min 6" DEPTH IMMEDIATELY PRIOR TO PLACEMENT OF AGGREGATE STORAGE AND BIORETENTION SOIL MATERIALS.
- DO NOT WORK WITHIN BIORETENTION AREA DURING RAIN OR UNDER WET CONDITIONS.
- KEEP HEAVY MACHINERY OUTSIDE OF BIORETENTION AREA LIMITS.
- DIRECT STORMWATER AWAY FROM BIORETENTION UNTIL CONSTRUCTION IS COMPLETE AND DRAINAGE AREA VEGETATION IS STABILIZED.
- SCARIFICATION, MOISTURE CONDITIONING AND RECOMPACTION SHALL EXTEND MINIMUM 12" BEYOND BACK OF CURB.



211 Hillcrest Avenue
Marina, CA 93933

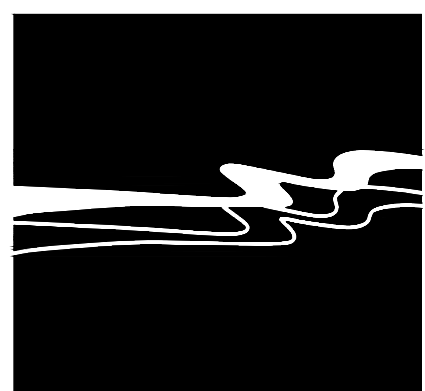
CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: HORIZ AS SHOWN
VERT N/A

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

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REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE
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PROJECT ENGINEER

November 25, 2024
PLANS APPROVAL DATE



**GLORIA JEAN TATE PARK
IMPROVEMENTS**

CONSTRUCTION DETAILS

C-3

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
EMC	EMP	EMC	1585-0001-2119	3	3

GENERAL

1. ALL CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF THE 2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24, PART 2, VOLUMES 1-2 (2021 INTERNATIONAL BUILDING CODE (IBC) WITH 2022 CALIFORNIA AMENDMENTS).
2. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR DIRECTION PRIOR TO PROCEEDING.
3. DETAILS OF CONSTRUCTION ARE TYPICAL, UNLESS NOTED OTHERWISE, AND SHALL APPLY AT ALL LOCATIONS OF SIMILAR CONSTRUCTION. TYPICAL DETAILS ARE NOT CUT AT EVERY APPLICABLE LOCATION ON THE PLANS.
4. DO NOT SCALE DRAWINGS FOR DIMENSIONAL INFORMATION.

5. SHORING, TEMPORARY BRACING AND OTHER METHODS AND MEANS OF CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR, AND IS NOT INCLUDED IN THE SCOPE OF THE STRUCTURAL DRAWINGS.
6. THE FOLLOWING NOTES ARE FOR GENERAL MATERIAL GRADES AND PROCEDURES. SEE SPECIFICATIONS AND REMANDER OF DRAWINGS FOR COMPLETE REQUIREMENTS. ITEMS NOTED IN PLANS, SECTIONS AND DETAILS TAKE PRECEDENCE OVER GENERAL NOTES.

7. LOADS:
- A) LIVE:
GUARDRAILS: 200 LBS. POINT LOAD OR 50 PLF LINEAR LOAD
- B) WIND:
EXPOSURE C 95 MPH BASIC WIND SPEED
DIRECTIONAL PROCEDURE
- C) SEISMIC:
BUILDING RISK CATEGORY II
EQUivalent LATERAL FORCE PROCEDURE (ASCE 7-16 SEC. 12.8)
LATITUDE: 28.6971, LONGITUDE: -121.8024
SEISMIC DESIGN CATEGORY (SDC) D
SITE CLASS D
S_s=1.460, S_u=0.530; F_a=1.000, F_v=1.500;
S_{se}=1.460, S_u=0.795, S_{se}=0.973, S_u=0.530
IMPORTANCE FACTOR: I_w=1.00, I_{ts}=1.25, OR 1.50; I_w=1.00 OR 1.50
R=1.5 FOR STEEL POLES (FOR BASKETBALL GOAL POST)
C_s=0.049 (STRENGTH), 0.463 (ALLOWABLE STRESS)
R=1.25 FOR SELF-SUPPORTING STRUCTURES (RETAINING WALLS & FENCES)
C_s=0.779 (STRENGTH), 0.556 (ALLOWABLE STRESS)
C_u=0.195 (STRENGTH), 0.139 (ALLOWABLE STRESS).
- D) LOAD COMBINATIONS FOR DESIGN:
CONCRETE: PER ASCE 7 SECTION 2.3 FOR STRENGTH DESIGN.
FOUNDATIONS: PER CBC SECTION 1805.2 FOR ALLOWABLE STRESS DESIGN.
ALL OTHERS: PER ASCE 7 SECTION 2.4 FOR ALLOWABLE STRESS DESIGN.

GEOTECHNICAL & FOUNDATIONS

1. GEOTECHNICAL CRITERIA USED FOR FOUNDATION DESIGN:
- A) GEOTECHNICAL REPORT BY PACIFIC CREST ENGINEERING INC., WATSONVILLE, CA. REPORT NO. 22521-M022-F41, DATED 03-01-23.
GEOTECHNICAL REPORT SHALL BE CONSIDERED PART OF CONSTRUCTION DOCUMENTS. ALL RECOMMENDATIONS DESCRIBED THEREIN SHALL BE IMPLEMENTED IN PROJECTS CONSTRUCTION INCLUDING BUT NOT LIMITED TO: EXCAVATION, RETAINING MATERIAL, LOCATION, TYPE AND INSTALLATION OF FILL MATERIAL, AND COMPACTION.
- B) CONTINUOUS & SPREAD FOOTINGS:
MINIMUM EMBEDMENT BELOW LOWEST ADJACENT FINISHED GRADE: 18"
- C) ALLOWABLE SOIL PRESSURES USED FOR FOUNDATION DESIGN:
DEAD PLUS LIVE LOAD: 1800 PSF
TOTAL LOAD W/ SEISMIC OR WIND: 2400 PSF
ALLOWABLE FRICTION COEFFICIENT: 0.30
ALLOWABLE PASSIVE PRESSURE: 340 PCF
- (PIERS PER TABLE 1610.1 FOR TYPE CL SOIL - NO INFO ON GEOTECH REPORT)
PIER/PILE ALLOWABLE LATERAL PRESSURE: 267 PCF (PER CBC SECTION 1806)
VALUE ABOVE INCLUDES 1/3 INCREASE FOR SHORT TERM LOADING
- IGNORE 1 FT. AT TOP. EFFECTIVE PIER WIDTH: 1 DIAMETERS.
MINIMUM PIER SPACING: 3 DIAMETERS
- CANTILEVERED RETAINING WALL:
ACTIVE PRESSURE: 35 PCF (LEVEL BACKFILL)
40 PCF (4:1 SLOPE BACKFILL)
50 PCF (3:1 SLOPE BACKFILL)
- RESTRAINED RETAINING WALL:
AT-REST PRESSURE: 50 PCF
60 PCF (4:1 SLOPE BACKFILL)
65 PCF (3:1 SLOPE BACKFILL)
- SURCHARGE PRESSURE: 240 PSF
SEISMIC LATERAL PRESSURE: 1042 AT 1/3 OF BACKFILL HEIGHT
- D) ENGINEERED FILL AND COMPACTION: PER GEOTECHNICAL REPORT RECOMMENDATIONS

CONCRETE MASONRY

1. ALL CONCRETE UNIT MASONRY WORK SHALL CONFORM TO CHAPTER 21A OF THE 2022 CALIFORNIA BUILDING CODE (CBC) AND 2016 EDITIONS OF TMS 402 AND TMS 602.
2. ALL BLOCK UNITS SHALL BE NORMAL OR MEDIUM WEIGHT UNITS, WITH MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI, CONFORMING TO ASTM C90. MORTAR SHALL BE TYPE "M" OR "S", CONFORMING TO ASTM C270. GROUT SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS, CONFORMING TO ASTM C476.
3. DESIGN OF MASONRY IS BASED ON COMPRESSIVE STRENGTH OF MASONRY f'm OF 2,000 PSI. SPECIAL INSPECTION IS REQUIRED. SEE INSPECTION NOTES FOR ADDITIONAL REQUIREMENTS.
4. f'm COMPLIANCE SHALL BE VERIFIED BY THE "UNIT STRENGTH METHOD" PER TMS 602, ARTICLE 1.4B.2 AND MORTAR AND GROUT TESTS PER CBC SECTION 2105.3 (DSA-SS). TEST UNITS PRIOR TO CONSTRUCTION. MORTAR AND GROUT SHALL BE TESTED DURING CONSTRUCTION FOR EVERY 5,000 SQ. FEET OF WALL AREA. VERIFY MORTAR TYPE.
5. REINFORCING SHALL BE AS SPECIFIED FOR CONCRETE.
6. LAP ALL BARS 48 BAR-DIAMETERS, BUT NOT LESS THAN 24" AT ALL SPLICES. PROVIDE BEND PLUS 24" EXTENSION ON HORIZONTAL BARS AT ALL WALL INTERSECTIONS.
7. SEE CONCRETE & FOUNDATION NOTES FOR BOLTS EMBEDDED IN MASONRY. ALL ANCHOR BOLTS THROUGH FACE SHELLS OF MASONRY UNITS SHALL BE GROUTED IN PLACE WITH AT LEAST 1" OF GROUT BETWEEN BOLT AND SHELL, ALL AROUND BOLT.
8. REINFORCING BARS AND TIES SHALL BE HELD AT LEAST ONE BAR DIAMETER OR MINIMUM 1/2" CLEAR FROM MASONRY UNIT FACE SHELLS, EXCEPT BARS MAY BEAR ON CROSS WEBS OF BOND BEAM UNITS. PARALLEL BARS SHALL BE HELD AT LEAST 1" CLEAR BETWEEN, EXCEPT AT CONTACT LAP SPLICES.
9. UNITS SHALL BE LAYED IN RUNNING BOND. USE OF OPEN-END UNITS THROUGHOUT IS ENCOURAGED. USE OF SPEED-BLOCK (NON-GROUTED OPEN-END UNITS) IS NOT ALLOWED. IF OPEN-END UNITS ARE NOT USED, ALL LINTEL HEAD JOINTS SHALL BE FILLED SOLID WITH MORTAR.
10. ALL STARTER (BOTTOM) COURSE UNITS SHALL BE INVERTED DOUBLE OPEN-END BOND-BEAM UNITS, TYPICAL THROUGHOUT. TOPS OF FOOTINGS RECEIVING MASONRY UNITS AND GROUT SHALL BE ROUGHENED TO FULL 1/8" AMPLITUDE (1/4" PEAK-TO-VALLEY), FOR FULL WIDTH OF UNITS.
11. GROUT ALL CELLS SOLID UNLESS NOTED OTHERWISE ON DRAWINGS. NO ITEMS OTHER THAN REBAR, STEEL CONDUIT AND ANCHOR BOLTS SHALL BE EMBEDDED IN CMU. ALL HOLES CREATED FOR EXTRACTION OF TESTING/SAMPLE CORES SHALL BE FILLED SOLID WITH APPROVED NON-SHRINK GROUT AND FINISHED TO MATCH TEXTURE OF ADJACENT FACE SHELL.
12. GROUTING SHALL BE DONE BY THE LOW-LIFT METHOD ONLY (UNITS Laid UP 5'-4" HIGH MAXIMUM AT 4" MAX. HEIGHTS 5'-4" HIGH MAXIMUM). ANY REQUESTS TO USE HIGH-LIFT GROUTING (HLG) METHOD SHALL BE MADE AT LEAST TWO (2) WEEKS PRIOR TO LAYING UP OF UNITS, AND WILL BE CONSIDERED A CHANGE TO THE DRAWINGS. ADDITIONAL CODE REQUIREMENTS FOR HLG METHOD MAY BE ISSUED AS A CHANGE ORDER.
13. IF LOADING OF CONCRETE MASONRY ELEMENTS PRIOR TO 28-DAY AGE IS ANTICIPATED, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO SUBMITTAL OF GROUT AND/OR MORTAR MIX DESIGNS IN ORDER TO ALLOW SPECIFYING OF PROVISIONS FOR SUCH. PROVISIONS MAY INCLUDE COMPRESSION TEST CYLINDERS TO BE FIELD-CURED IN CONDITIONS MATCHING SUBJECT MASONRY ELEMENTS, PLUS USE OF CEMENT TYPES AND/OR ADMIXTURES IN MIX DESIGNS TO PROVIDE THE REQUIRED COMPRESSIVE STRENGTHS AT ANTICIPATED AGES LESS THAN 28 DAYS. LOADING OF MASONRY ELEMENTS BEFORE CURING FOR 28 DAYS WILL NOT BE APPROVED WITHOUT THESE PROVISIONS BEING SPECIFIED, AND MET BY CONTRACTOR.

CONCRETE

1. ALL CONCRETE WORK SHALL CONFORM TO CHAPTER 19 OF THE 2022 CALIFORNIA BUILDING CODE (CBC) AND 2019 ACI STANDARD 318 AND ASTM C94. SPECIFICATION FOR READY-MIX CONCRETE. CEMENT SHALL BE PORTLAND CEMENT TYPE I AND SHALL COMPLY WITH ASTM C150. CALCIUM CHLORIDE SHALL NOT BE USED. COARSE AND FINE AGGREGATE SHALL COMPLY WITH ASTM C33. CONCRETE MIX DESIGNS FOR ALL STRUCTURAL CONCRETE SHALL BE SUBMITTED TO AND APPROVED BY TESTING AGENCY PRIOR TO ORDERING CONCRETE. ALL MIX DESIGNS SHALL INCLUDE A BREAK-HISTORY NOT MORE THAN TWO YEARS OLD, WITH RESULTS FROM NOT LESS THAN TEN (10) USES/SAMPLES.
2. ALL STRUCTURAL CONCRETE MIXES SHALL HAVE MIN. FIVE (5) SACKS CEMENT PER CU. YARD AND WATER-TO-CEMENT RATIO OF 0.45 TO 0.60, AND HAVE DENSITY OF 150 PCF, USING NORMAL-WEIGHT, HARD ROCK AGGREGATE, U.N.O. CONCRETE MIX PROPERTIES SHALL BE AS FOLLOWS:
- A) SLABS-ON-GRADE & WALLS:
28-DAY COMP. STRENGTH: 3,000 PSI
LARGE AGGREGATE SIZE: 1/2" - 1"
MAX. SLUMP: 5"
EXPOSURE CLASS: C1, S0 (ACI 318 TABLE 19.3.1.1)
- B) FOOTINGS & GRADE BEAMS:
28-DAY COMP. STRENGTH: 3,000 PSI
LARGE AGGREGATE SIZE: 1" - 1-1/2"
MAX. SLUMP: 4"
EXPOSURE CLASS: C1, S0 (ACI 318 TABLE 19.3.1.1)
- C) CAST-IN-DRILLED-HOLE (CIDH) PIER FOOTINGS:
28-DAY COMP. STRENGTH: 3,000 PSI
LARGE AGGREGATE SIZE: 3/4"
MAX. SLUMP: 4" - 8" (USING PLASTICIZERS AND WATER-REDUCING AGENTS)
EXPOSURE CLASS: C1, S0 (ACI 318 TABLE 19.3.1.1)
- D) NON-STRUCTURAL CONCRETE WALKS ON GRADE:
28-DAY COMP. STRENGTH: 2,500 PSI
LARGE AGGREGATE SIZE: 3/8" - 3/4"
MAX. SLUMP: 5"

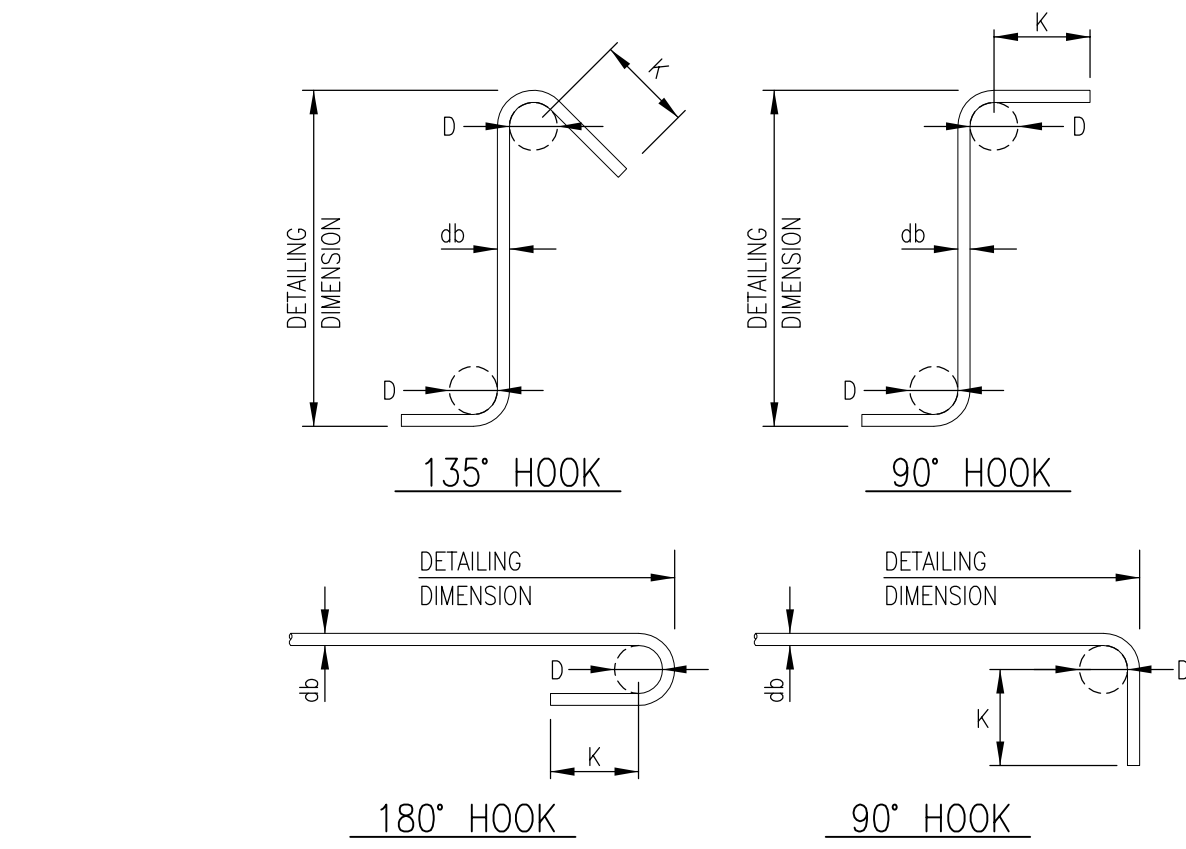
3. STEEL REINFORCING BARS SHALL CONFORM TO ASTM A615, GR. 60 U.N.O. ALTERNATIVELY, #4 AND SMALLER BARS MAY CONFORM TO ASTM A615, GR. 40.
4. GROUT SHALL BE NON-SHRINK GROUT U.N.O. CONFORMING TO ASTM C1107. GROUT SHALL HAVE A 7-DAY COMPRESSIVE STRENGTH 5,000 PSI MIN. GROUT SHALL BE MASTER BUILDERS "MASTERFLOW 928", Sika SKAGROUT 212, OR APPROVED EQUAL. FOLLOW MANUFACTURER'S SURFACE PREPARATION RECOMMENDATIONS.
5. BONDING AGENT SHALL BE MASTER BUILDERS "MASTEREMCO ADH 326", Sika ARMATEC 110 EPOCER, OR APPROVED EQUAL, AND SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS.
6. CURING COMPOUND SHALL BE APPROVED BY ENGINEER, AND APPLIED PER MANUFACTURER'S RECOMMENDATIONS.
7. CONSTRUCTION JOINTS SHALL BE ROUGHENED TO FULL 1/4" AMPLITUDE (ICI CSP 9) WITH BUSH HAMMER OR OTHER APPROVED METHOD. SURFACES SHALL BE CLEANED OF DUST AND DEBRIS IMMEDIATELY PRIOR TO PLACEMENT OF NEWER CONCRETE.
8. REINFORCING STEEL SHALL BE CONTINUOUS WHERE POSSIBLE. SPLICE WITH CONTACT LAP-SPLICES OR NON-CONTACT JOINTS. STAGGER ALL SPLICES. STAGGER LAP SPLICES. SPLICE LENGTHS SHALL BE 57 BAR-DIAMETERS MINIMUM. WELDED WIRE FABRIC SHALL BE LAPPED TWO (2) FULL SQUARES, BUT NOT LESS THAN 12".
9. EXTEND HORIZONTAL BARS IN FOUNDATIONS AND WALLS INTO INTERSECTING FOUNDATIONS AND WALLS WITH BEND AND 30 BAR DIAMETER EXTENSION, BUT NOT LESS THAN 24" EXTENSION.
10. WELDING OF REINFORCING SHALL NOT BE ALLOWED.
11. MAINTAIN THE FOLLOWING MINIMUM CONCRETE COVER FOR REBAR:
WHERE CONC. IS PLACED AGAINST EARTH = 3"
WHERE CONCRETE IS FORMED AND EXPOSED TO EARTH OR WEATHER = 2"
WHERE CONCRETE IS NOT EXPOSED TO EARTH OR WEATHER = 1-1/2"
SLABS ON GRADE = 1/2"

12. WHERE SIDES OF FOUNDATIONS (FOOTINGS, GRADE BEAMS OR WALLS) ARE CAST AGAINST EARTH WITHOUT FORMS, FOUNDATION SHALL BE WIDENED 1" AT EACH SUCH SURFACE.
13. EXCAVATION FOR FOOTINGS BELOW DEPTHS SHOWN ON DRAWINGS SHALL BE BACKFILLED WITH CONCRETE.
14. NOTIFY ENGINEER AT LEAST 48 HOURS BEFORE ANY CONCRETE IS TO BE PLACED OR FORMS CLOSED TO ALLOW FOR HIS INSPECTION OF EXCAVATIONS AND REINFORCING PLACEMENT. SEE ALSO SPECIAL INSPECTION REQUIREMENTS.
15. CONTRACTOR SHALL, PRIOR TO EXCAVATION, VERIFY FOOTING CONDITIONS AND FINISH GRADE/PAVING ELEVATIONS AT PERIMETER OF BUILDING. VERIFY THAT FOOTINGS HAVE SPECIFIED MINIMUM DEPTH BELOW ADJACENT GRADE AND THAT FOOTINGS DO NOT "DAYLIGHT" OR OTHERWISE INTERFERE WITH INTENDED EXTERIOR CONDITIONS. NOTIFY ENGINEER IF SUCH INTERFERENCE EXISTS PRIOR TO EXCAVATION.
16. IF LOADING OF CONCRETE ELEMENTS PRIOR TO 28-DAY AGE IS ANTICIPATED, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO SUBMITTAL OF CONCRETE MIX DESIGNS IN ORDER TO ALLOW SPECIFYING OF PROVISIONS FOR SUCH. PROVISIONS MAY INCLUDE COMPRESSION TEST CYLINDERS BE FIELD-CURED IN CONDITIONS MATCHING SUBJECT CONCRETE ELEMENTS, PLUS USE OF CEMENT TYPES AND/OR ADMIXTURES IN MIX DESIGNS TO PROVIDE THE REQUIRED COMPRESSIVE STRENGTHS AT ANTICIPATED AGES LESS THAN 28 DAYS. LOADING OF CONCRETE ELEMENTS BEFORE CURING FOR 28 DAYS WILL NOT BE APPROVED WITHOUT THESE PROVISIONS BEING SPECIFIED, AND MET BY CONTRACTOR.

TESTING AND SPECIAL INSPECTIONS

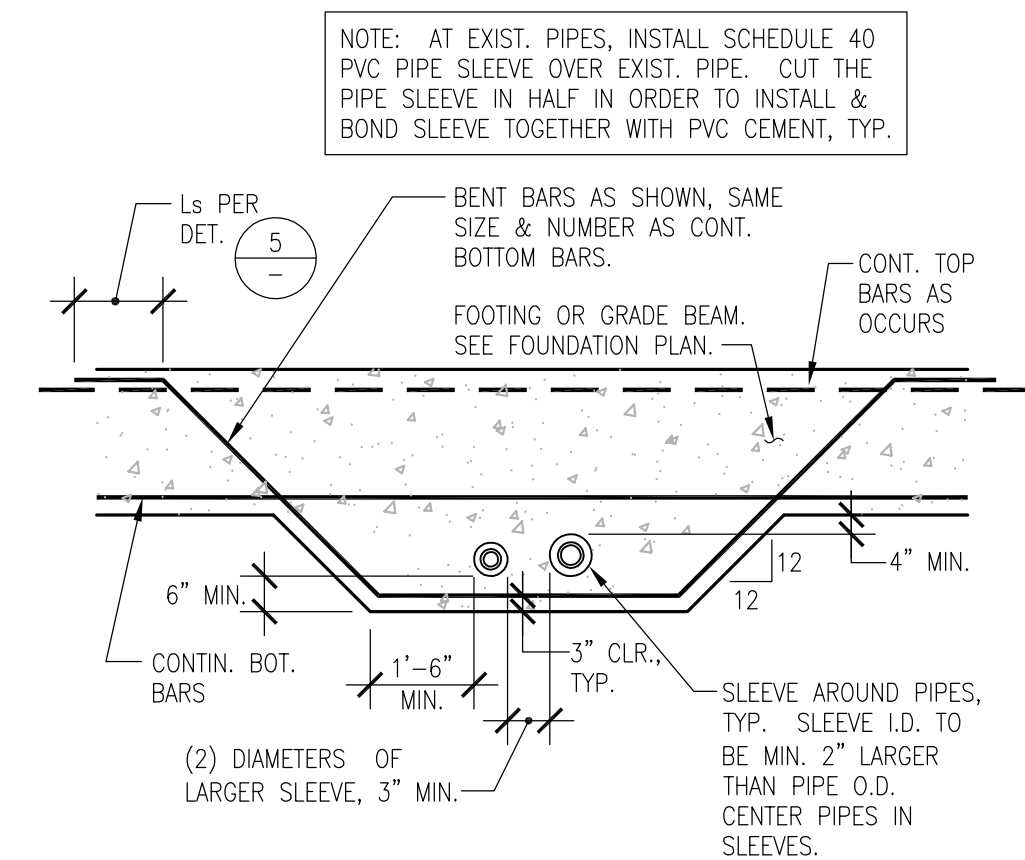
1. GENERAL
- A) ALL TESTS AND SPECIAL INSPECTIONS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF 2022 CALIFORNIA BUILDING CODE (CBC) CHAPTER 17.
- B) TEST AND INSPECTION LAB SHALL BE EMPLOYED AND PAID FOR BY THE OWNER. COSTS OF RE-TESTING MAY BE BACK-CHARGED TO THE CONTRACTOR.
- C) COPIES OF ALL TEST/INSPECTION REPORTS SHALL BE SUBMITTED TO ARCHITECT AND STRUCTURAL ENGINEER.
2. FOUNDATIONS (DRILLED PIERS, FOOTINGS, GRADE BEAMS), WALLS AND SLABS-ON-GRADE:
- A) NOTIFY ENGINEER 48 HOURS BEFORE CONCRETE IS TO BE PLACED OR FORMS CLOSED TO ALLOW FOR INSPECTION OF EXCAVATIONS AND REINFORCING PLACEMENT.
- B) SPECIAL INSPECTION IS REQUIRED PER CBC SECTION 1705.3.
- C) THE TESTING LAB SHALL PERFORM THE FOLLOWING:
- REVIEW ALL CONCRETE MIX DESIGNS. ALL DESIGNS SHALL BE SUBMITTED TO AND APPROVED BY TESTING AGENCY PRIOR TO ORDERING CONCRETE.
 - FOR EACH CONCRETE MIX PLACED, AGENCY SHALL CAST (4) TEST CYLINDERS IN ACCORDANCE WITH ASTM C31 FOR EACH 50 CUBIC YARDS OR 2000 SQUARE FEET, OR FRACTION THEREOF, OF CONCRETE PLACED EACH DAY, AND TRANSPORT CYLINDERS TO LAB.
 - TEST CYLINDERS IN ACCORDANCE WITH ASTM C39. TEST (1) CYLINDER AT 7 DAYS AND (2) CYLINDERS AT 28 DAYS. HOLD LAST TEST CYLINDER FOR 60 DAYS.
 - INSPECT FINAL PLACEMENT OF ALL REINFORCING AS INDICATED ON DETAILS PRIOR TO CONCRETE PLACEMENT.
 - PROVIDE CONTINUOUS INSPECTION OF CONCRETE PLACEMENT.
- D) SEE ITEM 5 BELOW FOR INSPECTIONS BY GEOTECHNICAL ENGINEER.
3. CONCRETE UNIT MASONRY. SPECIAL INSPECTION IS REQUIRED PER CBC SECTION 1705.4 TESTING LAB SHALL:
- A) VERIFY f'm COMPLIANCE PER UNIT STRENGTH METHOD PER CBC SECTION 2105.
- B) VERIFY REINFORCING PLACEMENT.
- C) INSPECT GROUT SPACES IMMEDIATELY PRIOR TO GROUTING OPERATIONS.
- D) INSPECT PLACEMENT OF GROUT.
- E) WHERE HIGH-LIFT GROUTING (HLG) IS EMPLOYED, LAB SHALL INSPECT BOTTOM CELL OF EVERY POUR AT CLEAN-OUTS, AND CONFIRM COMPLIANCE WITH ALL SPECIAL CODE REQUIREMENTS FOR HLG.
4. ADDITIONAL INSPECTIONS BY STRUCTURAL ENGINEER:
- ARCHITECT AND ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE FOLLOWING TO ALLOW FOR INSPECTION OF THE RESPECTIVE WORK PRIOR TO ENCLOSING IN FINISHES:
- A) AT SUBSTANTIAL COMPLETION OF ANY AREA OF FOUNDATION WORK AND RETAINING WALLS PRIOR TO CLOSING OF FORMS OR PLACEMENT OF CONCRETE.
5. INSPECTIONS BY GEOTECHNICAL ENGINEER: AS SPECIFIED IN GEOTECHNICAL REPORT.

3 TYP. REBAR BENDING DETAILS

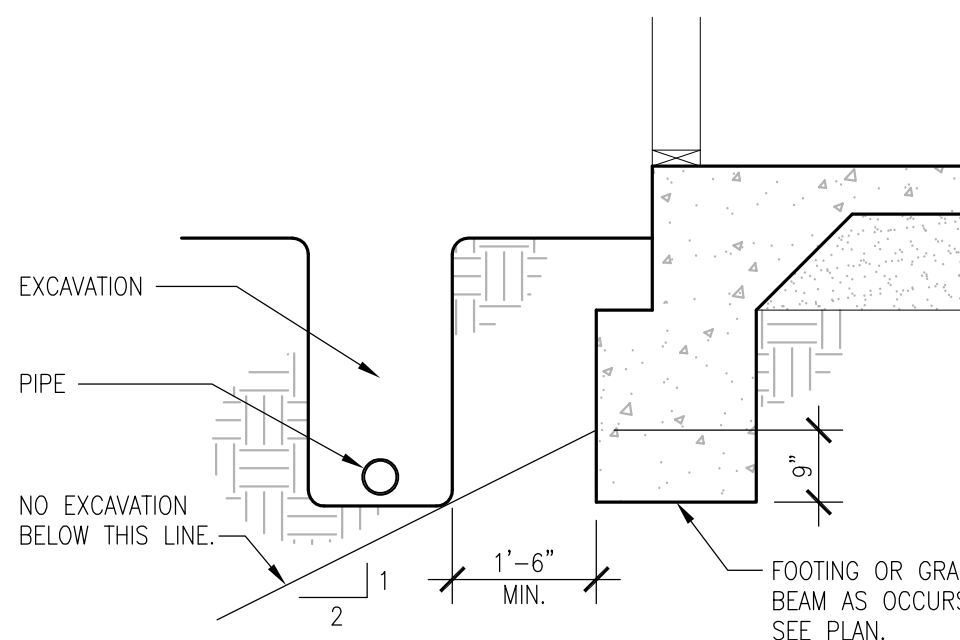


STANDARD HOOKS			
BAR SIZE	"0" IN	180° HOOKS	90° HOOKS
#3	2-1/4"	2-1/2"	4-1/2"
#4	3"	2-1/2"	6"
#5	3-3/4"	2-1/2"	7-1/2"
#6	4-1/2"	3"	9"
#7	5-1/4"	3-1/2"	10-1/2"
#8	6"	4"	12"

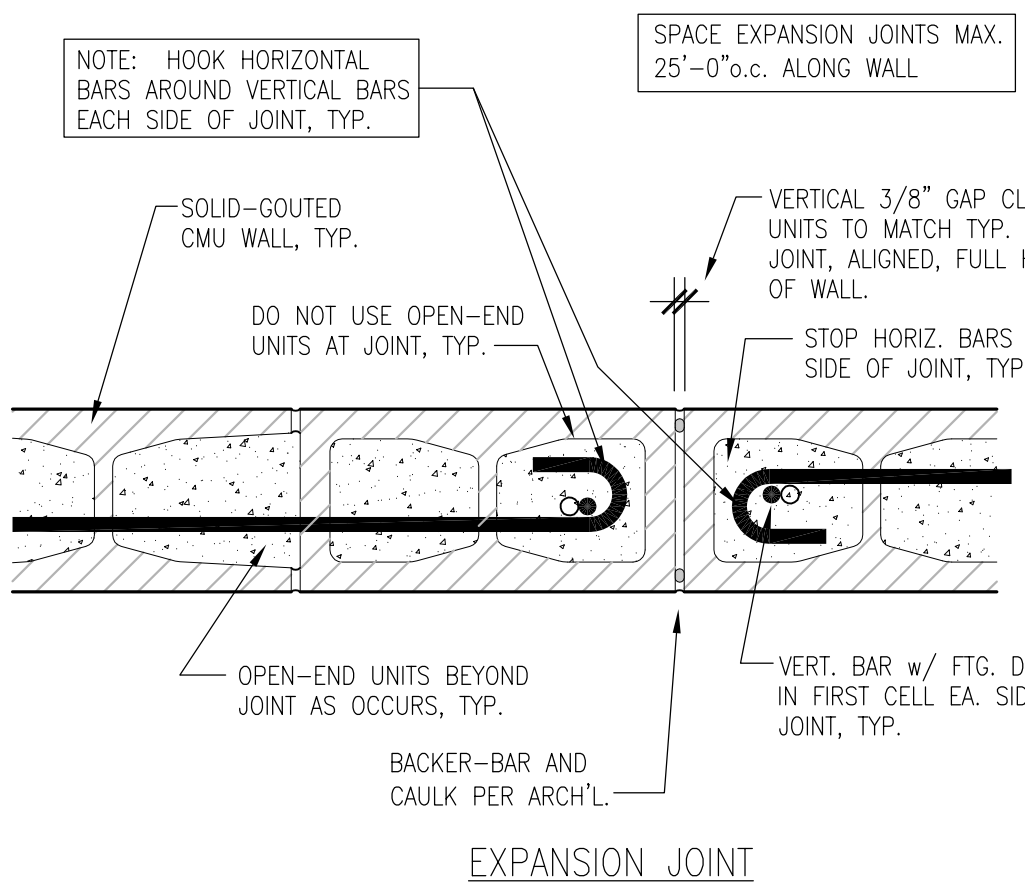
STIRRUP AND TIE HOOKS				
BAR SIZE	"0" IN	180° HOOKS	135° HOOKS	90° HOOKS
		"K"	"K"	"K"
#3	1-1/2"	2-1/2"	3"	3"
#4	2"	2-1/2"	3"	3"
#5	2-1/2"	2-1/2"	3-3/4"	3-3/4"
#6	4-1/2"	3"	4-1/2"	9"



9 TYP. EXCAVATIONS & PIPES PARALLEL TO FOOTINGS

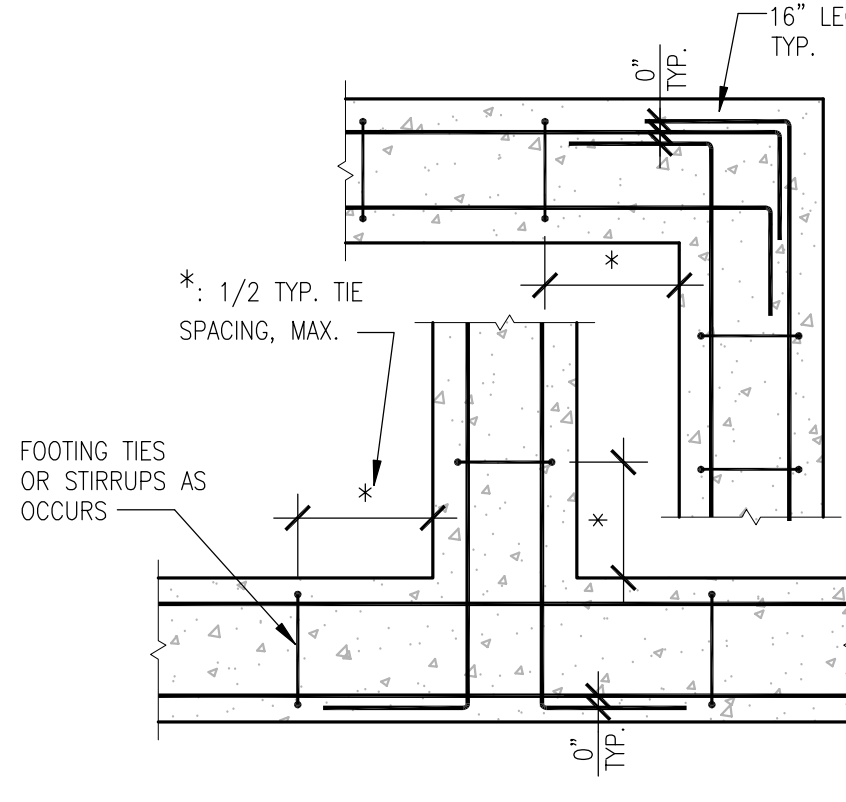


10 TYP. EXCAVATIONS & PIPES PERP. TO FOOTINGS



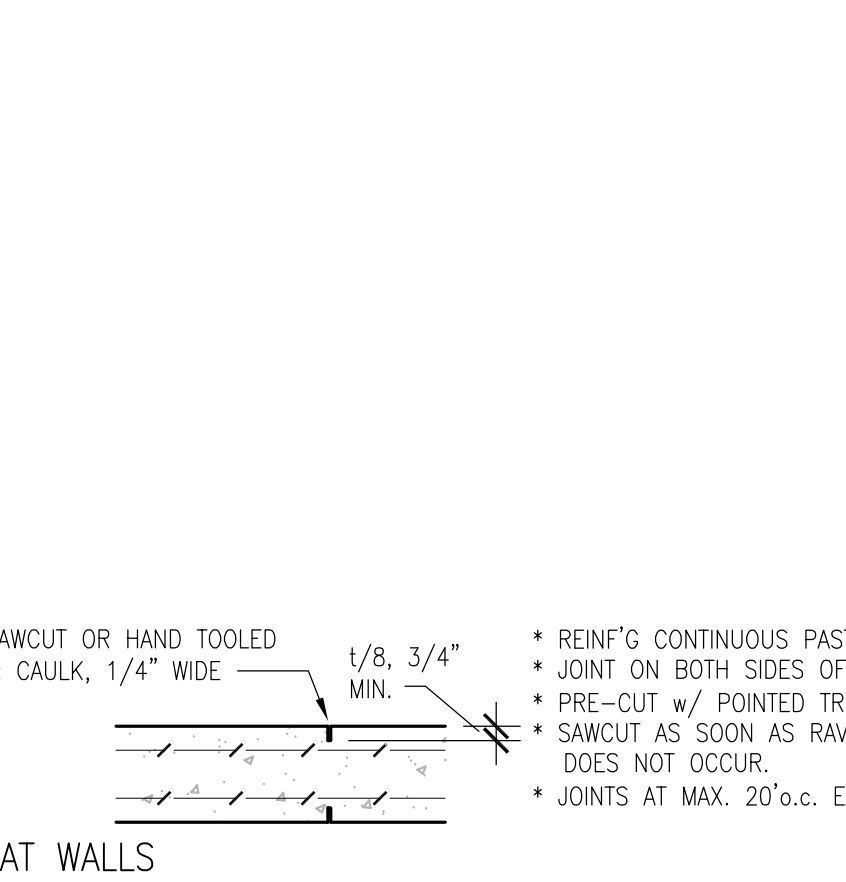
5 TYP. REBAR LAP SPLICES

NO SCALE



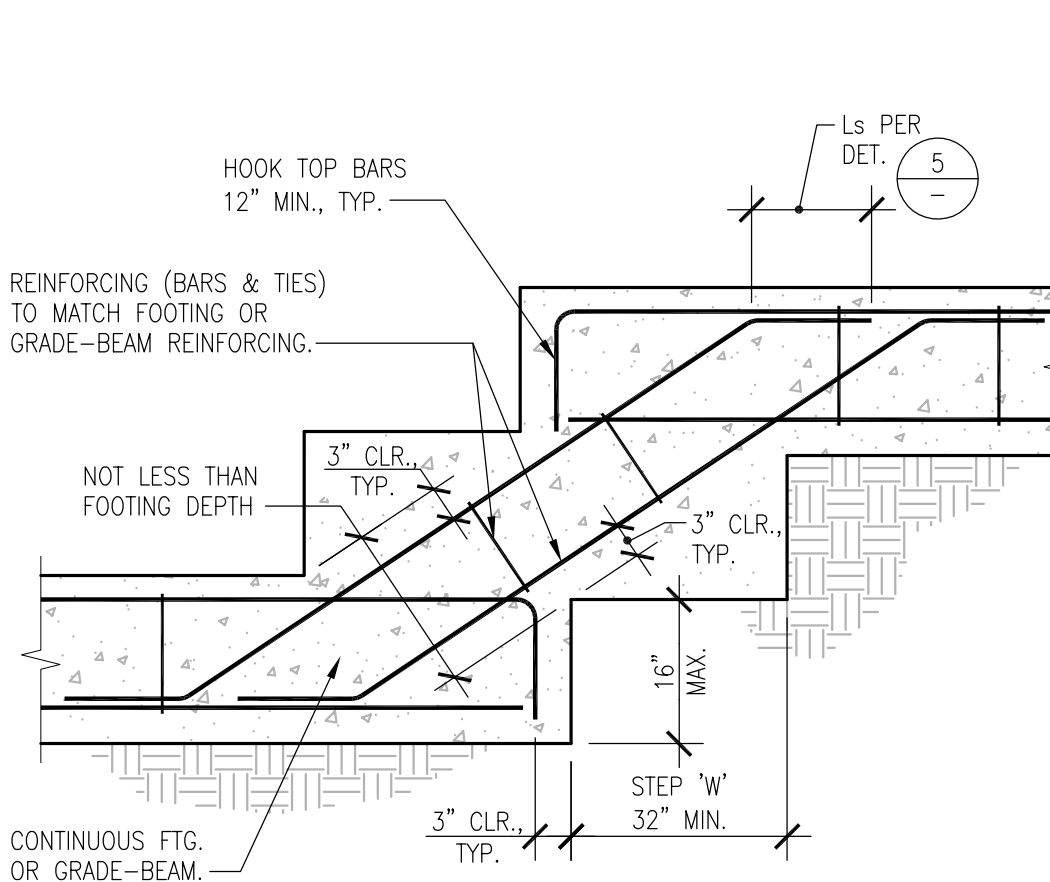
11 TYP. FOOTING INTERSECTION REBAR

NO SCALE



12 TYP. WALL INTERSECTION REBAR

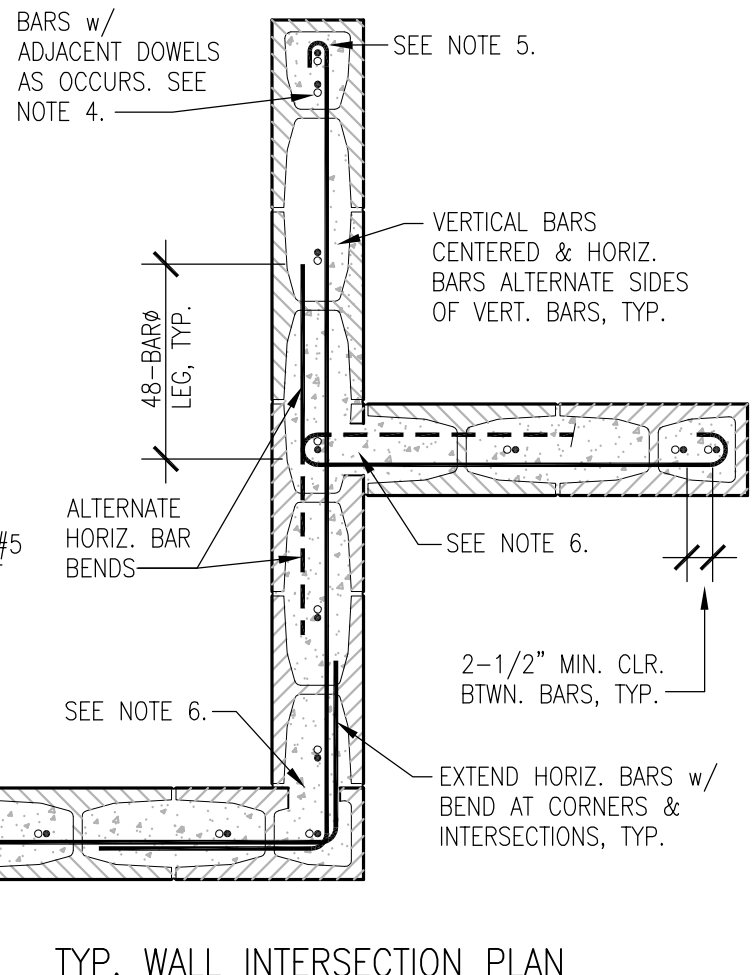
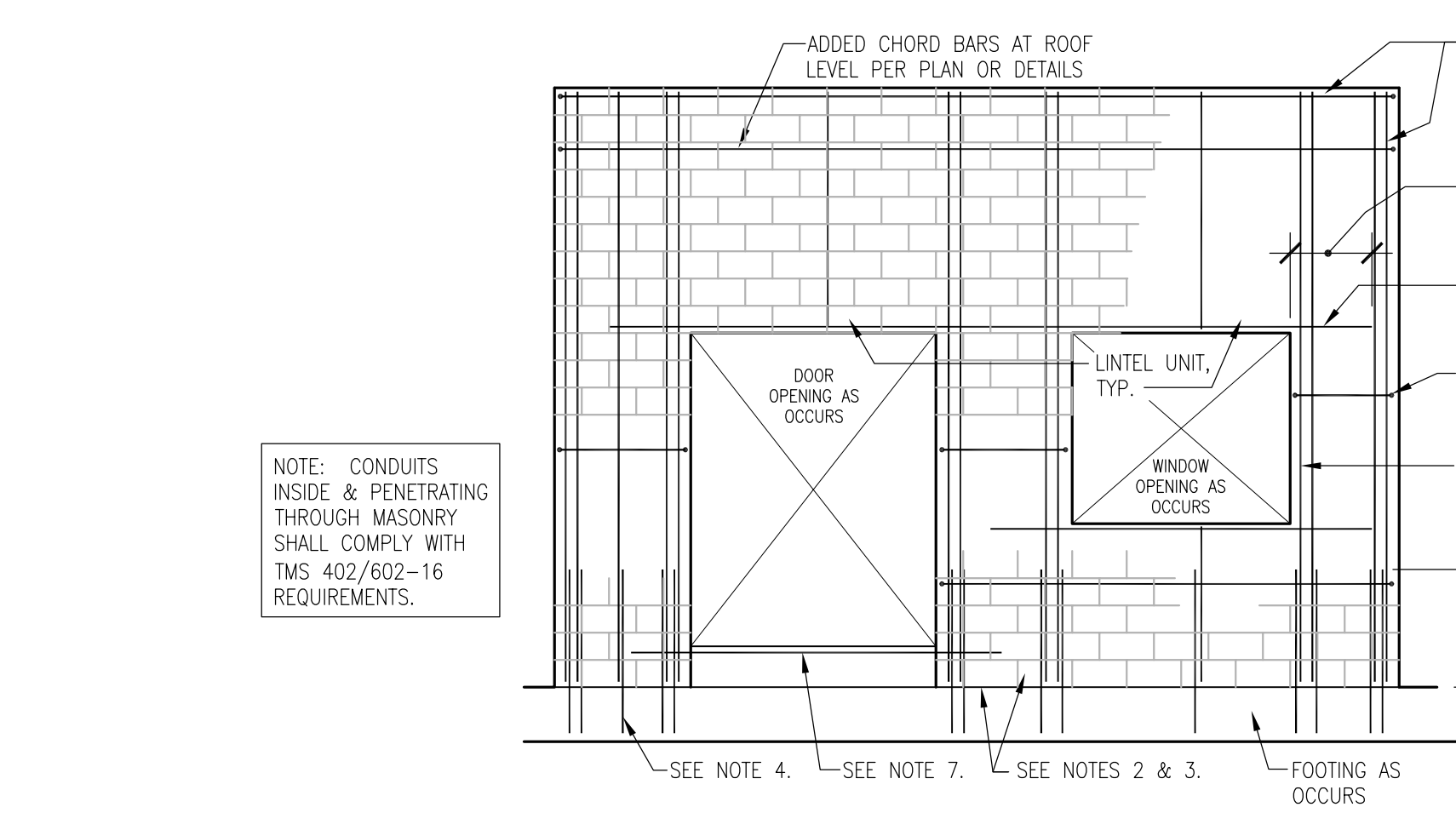
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16 TYPICAL CMU EXPANSION CONTROL JOINTS

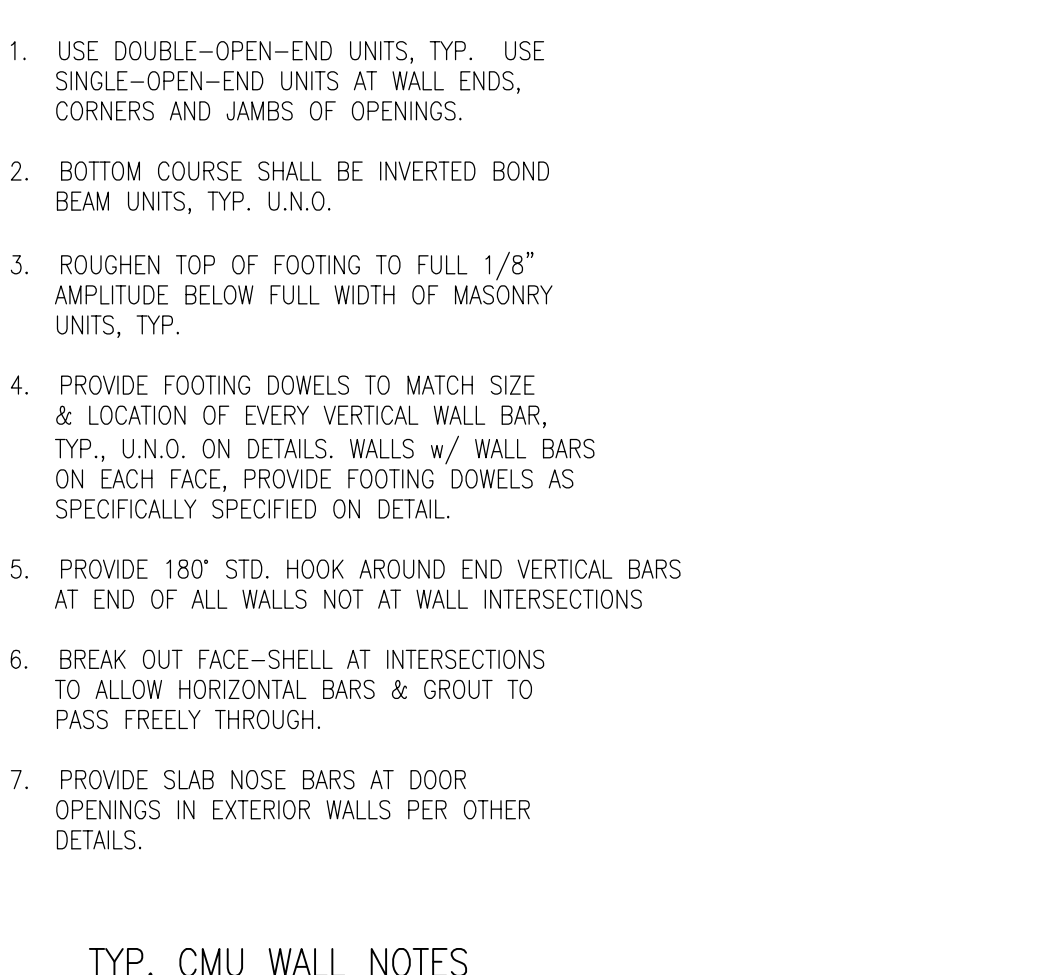
17 TYP. WALL CONTROL JOINTS

NO SCALE



18 TYP. CONC. FOOTING STEPS

NO SCALE



22 TYP. MASONRY WALL

NO SCALE



GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

S1.1 - STRUCTURAL NOTES & DETAILS

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
JJQ	JJQ	TDH	QLP2119	34	45

VERDE DESIGN, INC. PROJECT NO. 2207300



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: SEE PLAN

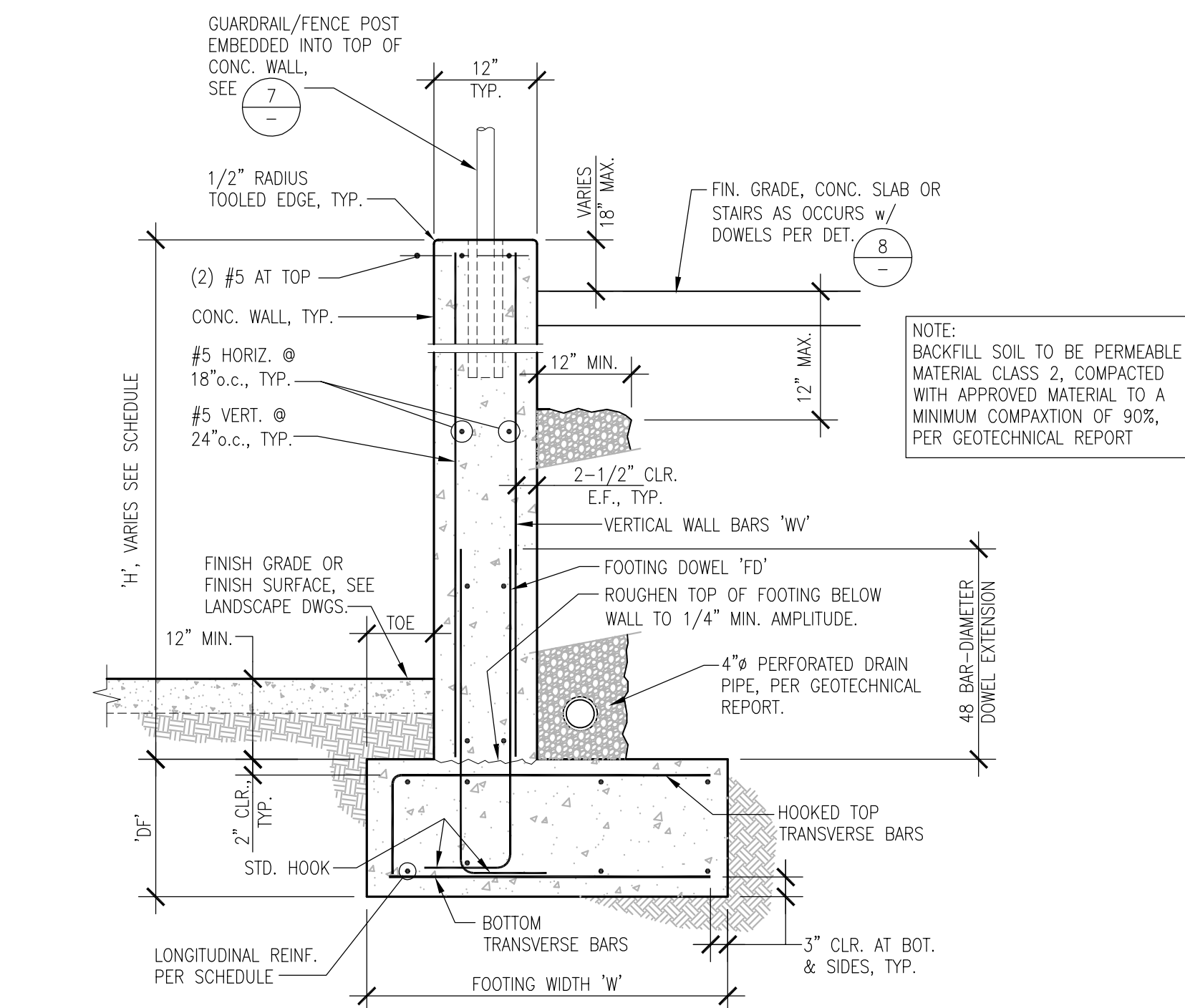
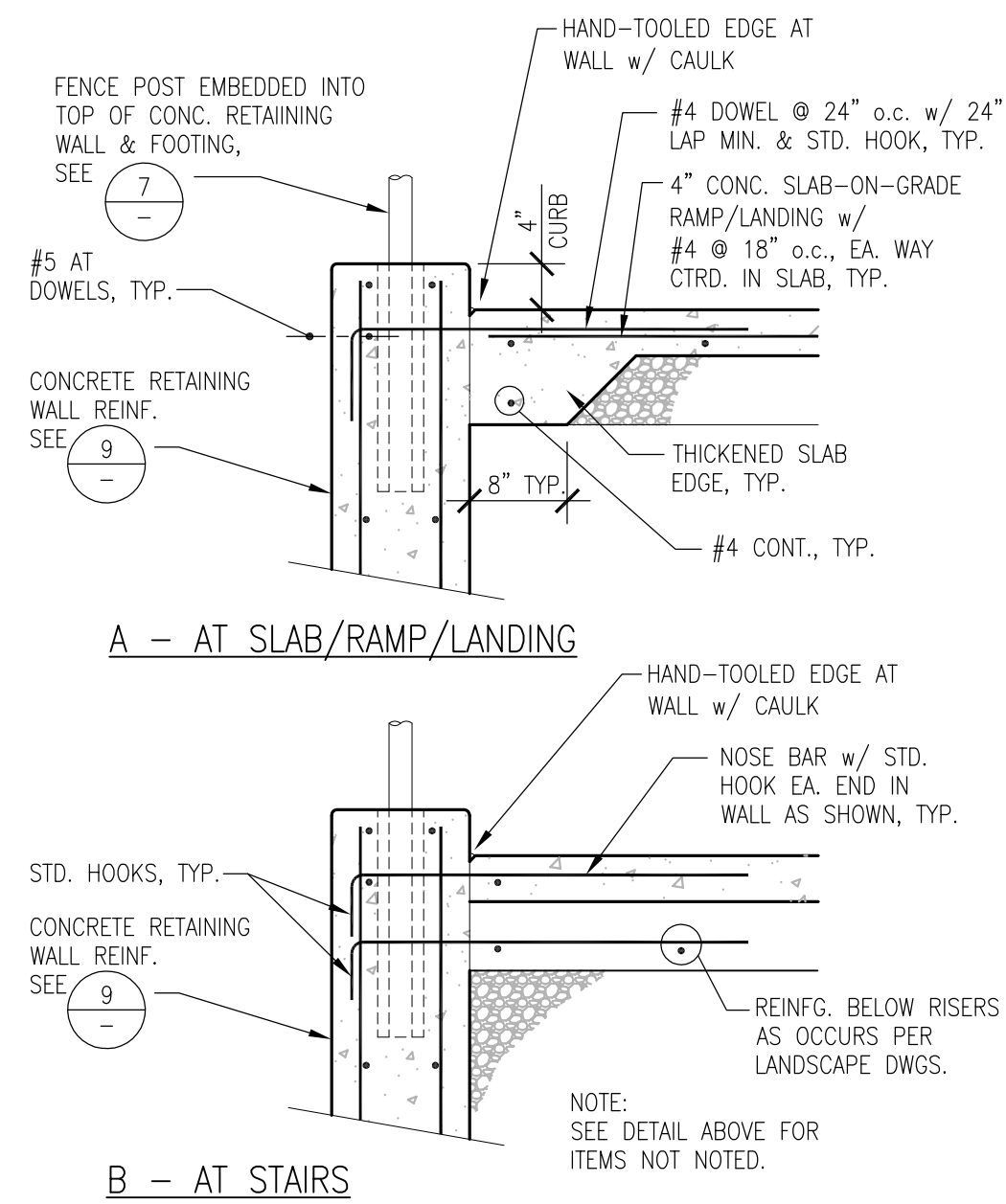
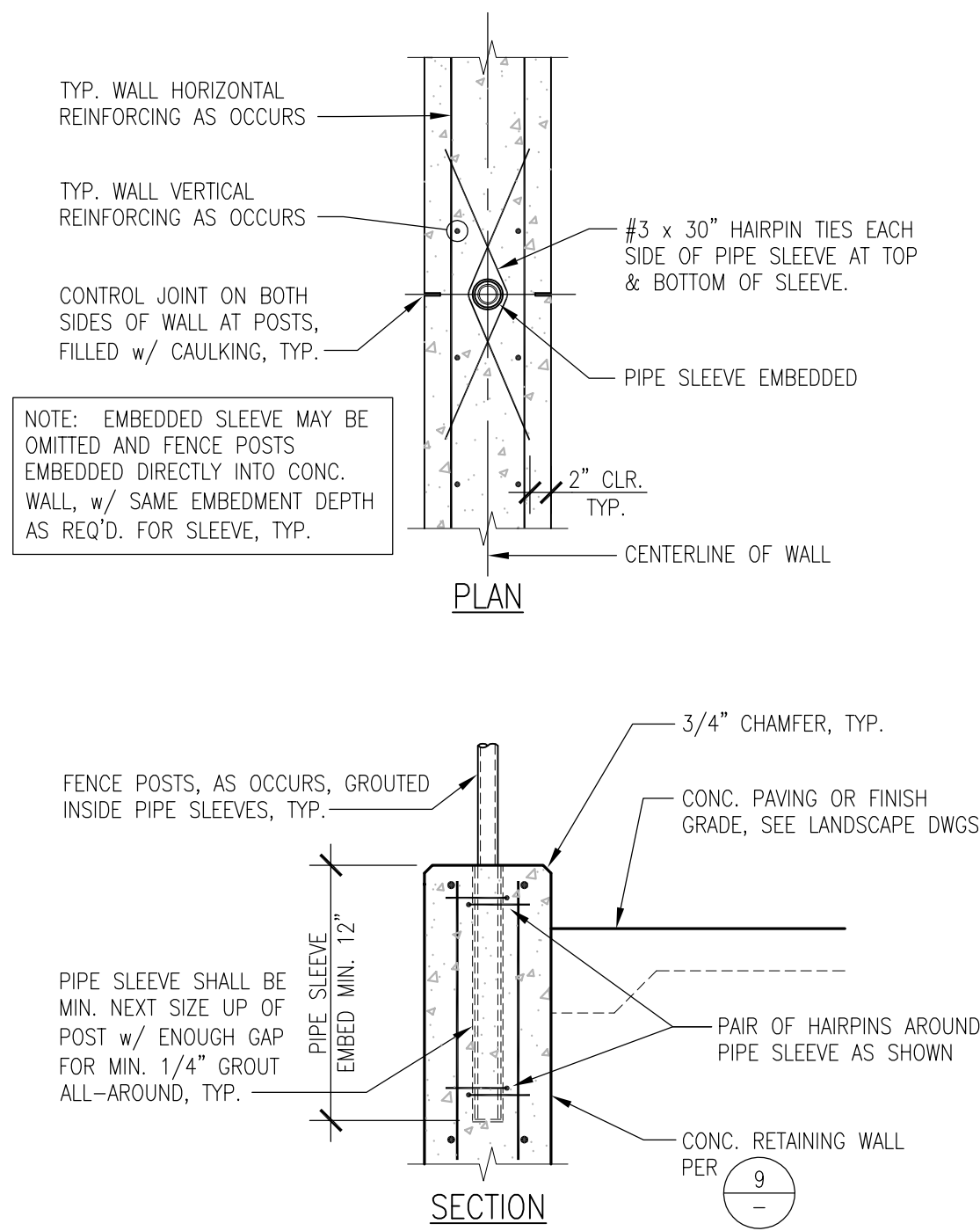
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS



REVISIONS					
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FILE NAME: S1.1 - NS & DLS - BD SUBMITTAL 11-08-24.DWG
PLOT DATE: 11/7/2024 2:40 PM
BY: JOSE QUINTERO

BD SUBMITTAL - 2024/11/08

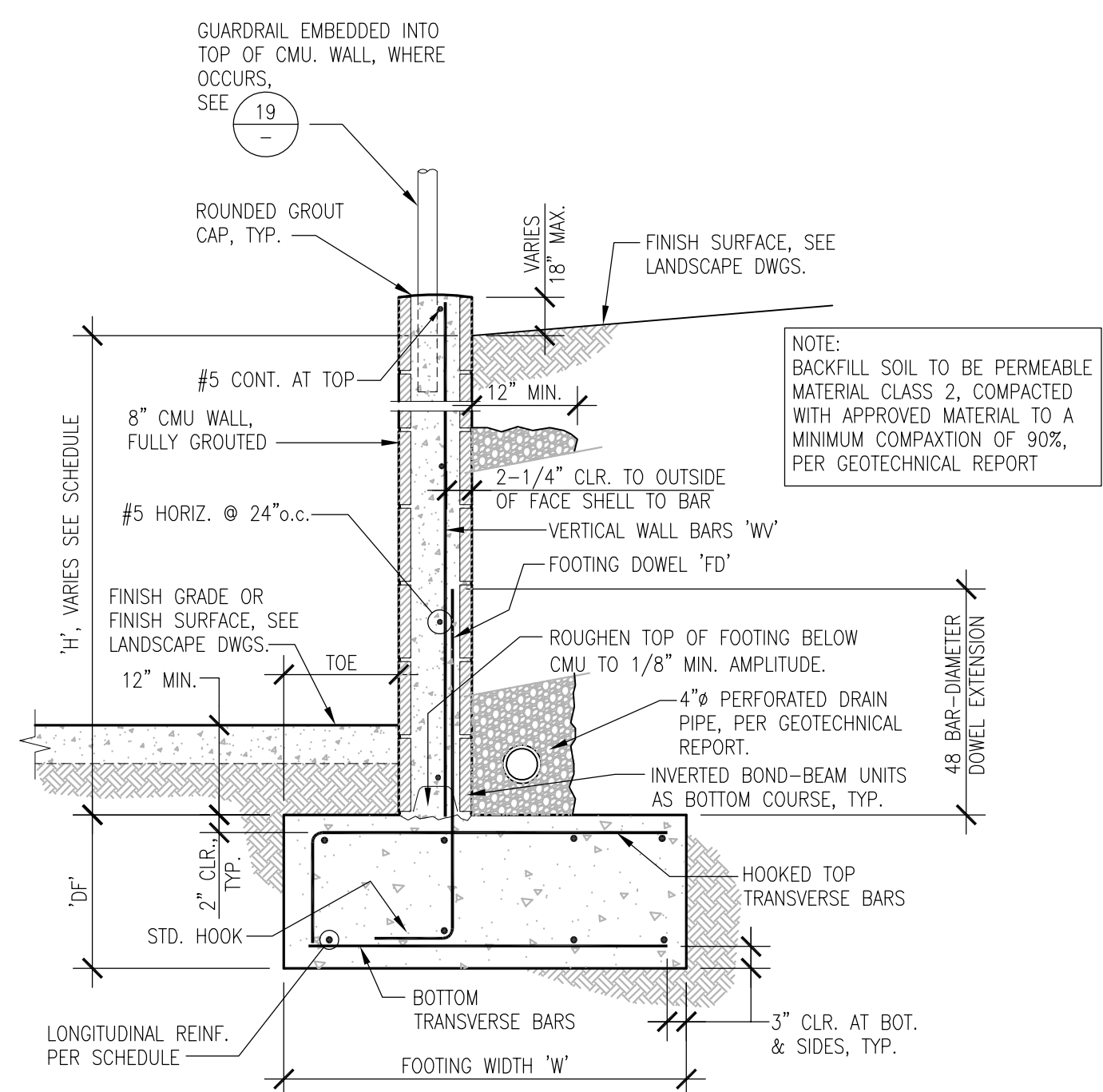


SOIL HEIGHT ABOVE FOOTING, 'H' UP TO:	CONCRETE WALL (f'c = 3,000 PSI)		CONCRETE FOOTING (f'c = 3,000 PSI)					
	VERT REINF., 'W'	FOOTING DOWEL, 'D'	FOOTING THICKNESS, 'D'	FOOTING WIDTH, 'W'	FOOTING TOE	TRANSVERSE BARS	LONGITUDINAL BARS	
1'-6" TO 3'-0"	USE 'D' DOWELS, FULL HT.	#5 @ 18"o.c.	18"	2'-6"	9"	#5 @ 18"o.c. TOP #5 @ 18"o.c. BOT.	(4) #4 TOP (4) #4 BOTTOM	
4'-6"	#5 @ 18"o.c.	#5 @ 18"o.c.	18"	3'-4"	9"	#5 @ 18"o.c. TOP #5 @ 18"o.c. BOT.	(5) #4 TOP (5) #4 BOTTOM	
6'-0"	#5 @ 18"o.c.	#5 @ 18"o.c.	18"	5'-0"	9"	#5 @ 18"o.c. TOP #5 @ 18"o.c. BOT.	(6) #5 TOP (6) #5 BOTTOM	

FOOTNOTES:

1. IN LIEU OF VERTICAL BARS, CONTRACTOR HAS THE OPTION TO CONTINUE FOOTING DOWELS UP INTO FULL HEIGHT OF WALL.

2. FOR WALLS WITH 'H' = 18" OR LESS, SEE TALL CURBS ON LANDSCAPE DWGS.



SOIL HEIGHT ABOVE FOOTING, 'H' UP TO:	CMU WALL (f'm = 1,500 PSI)		CONCRETE FOOTING (f'c = 3,000 PSI)					
	VERT REINF., 'W'	FOOTING DOWEL, 'D'	FOOTING THICKNESS, 'D'	FOOTING WIDTH, 'W'	FOOTING TOE	TRANSVERSE BARS	LONGITUDINAL BARS	
1'-6" TO 3'-5"	USE 'D' DOWELS, FULL HT.	#5 @ 16"o.c.	18"	3'-0"	9"	#5 @ 16"o.c. TOP #5 @ 16"o.c. BOT.	(4) #5 TOP (4) #5 BOTTOM	
5'-0"	#5 @ 16"o.c.	#5 @ 16"o.c.	18"	3'-9"	9"	#5 @ 16"o.c. TOP #5 @ 16"o.c. BOT.	(5) #5 TOP (5) #5 BOTTOM	
7'-0"	#5 @ 8"o.c.	#5 @ 8"o.c.	18"	6'-3"	9"	#5 @ 8"o.c. TOP #5 @ 8"o.c. BOT.	(6) #5 TOP (6) #5 BOTTOM	

FOOTNOTES:

1. IN LIEU OF VERTICAL BARS, CONTRACTOR HAS THE OPTION TO CONTINUE FOOTING DOWELS UP INTO FULL HEIGHT OF WALL.

2. FOR WALLS WITH 'H' = 18" OR LESS, SEE TALL CURBS ON LANDSCAPE DWGS.

7 TYP. FENCE POST EMBEDDED INTO CONC.

3/4"=1'-0"

8 TOP OF CONC. WALLS AT SLABS & STAIRS

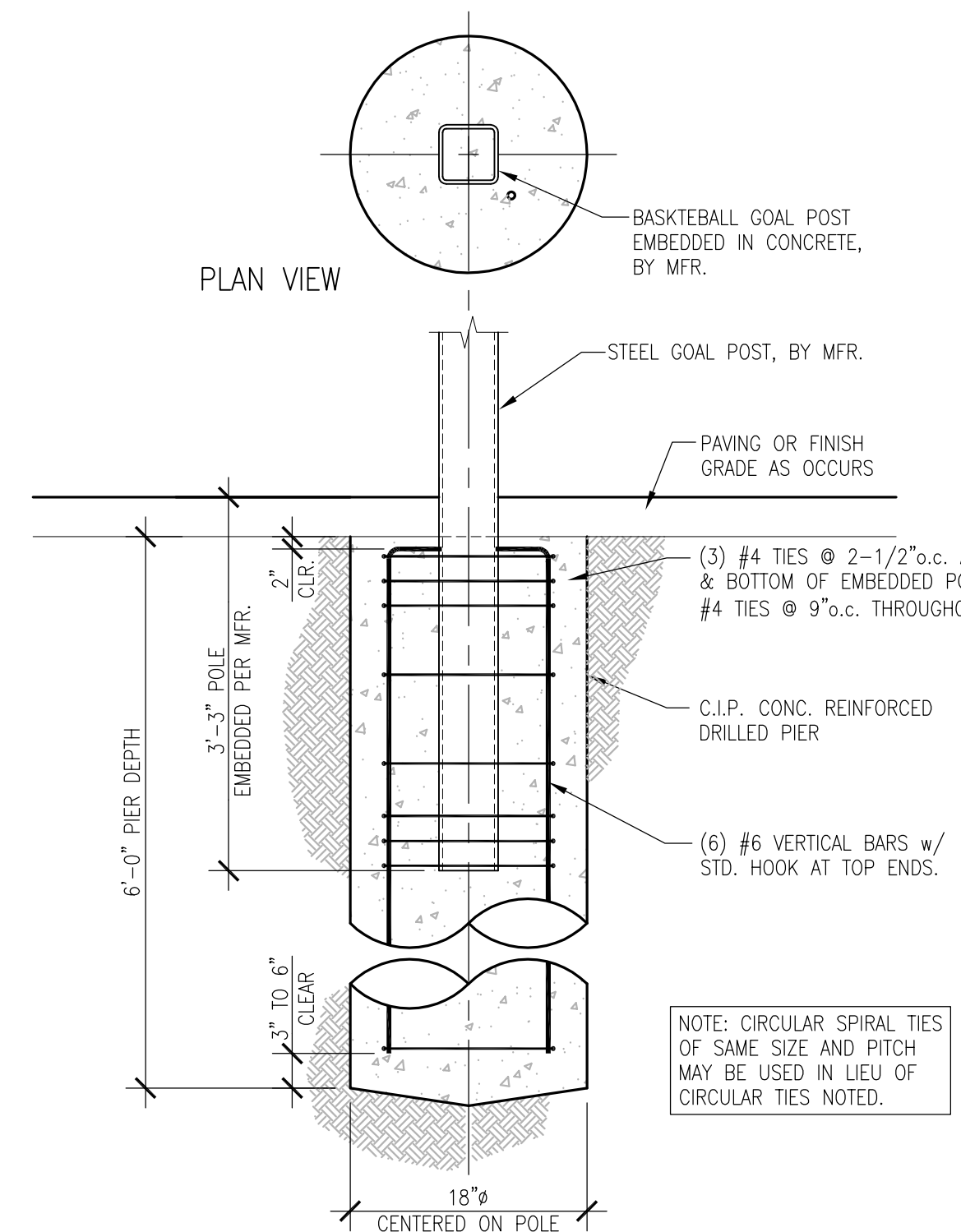
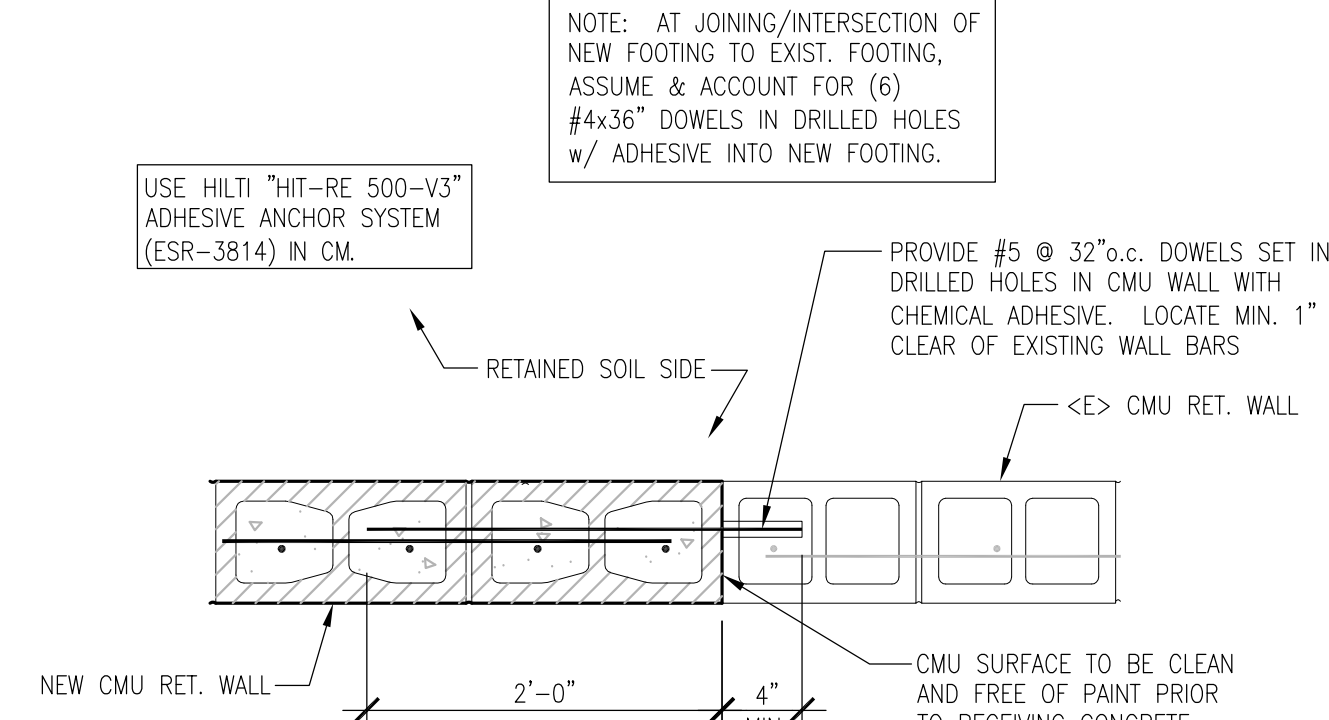
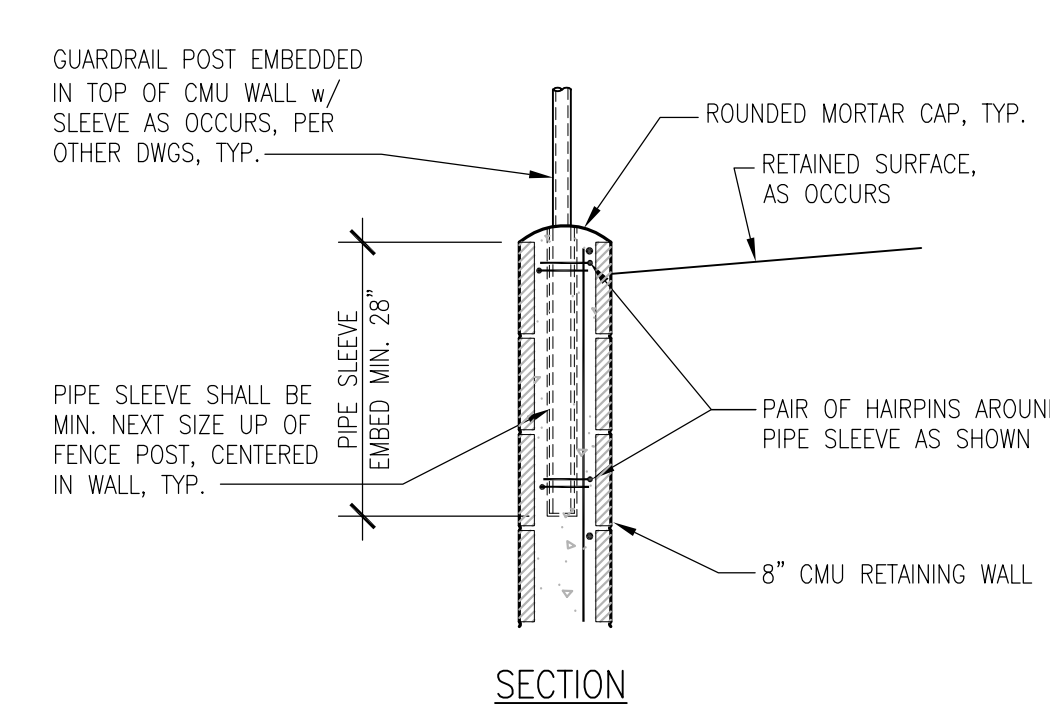
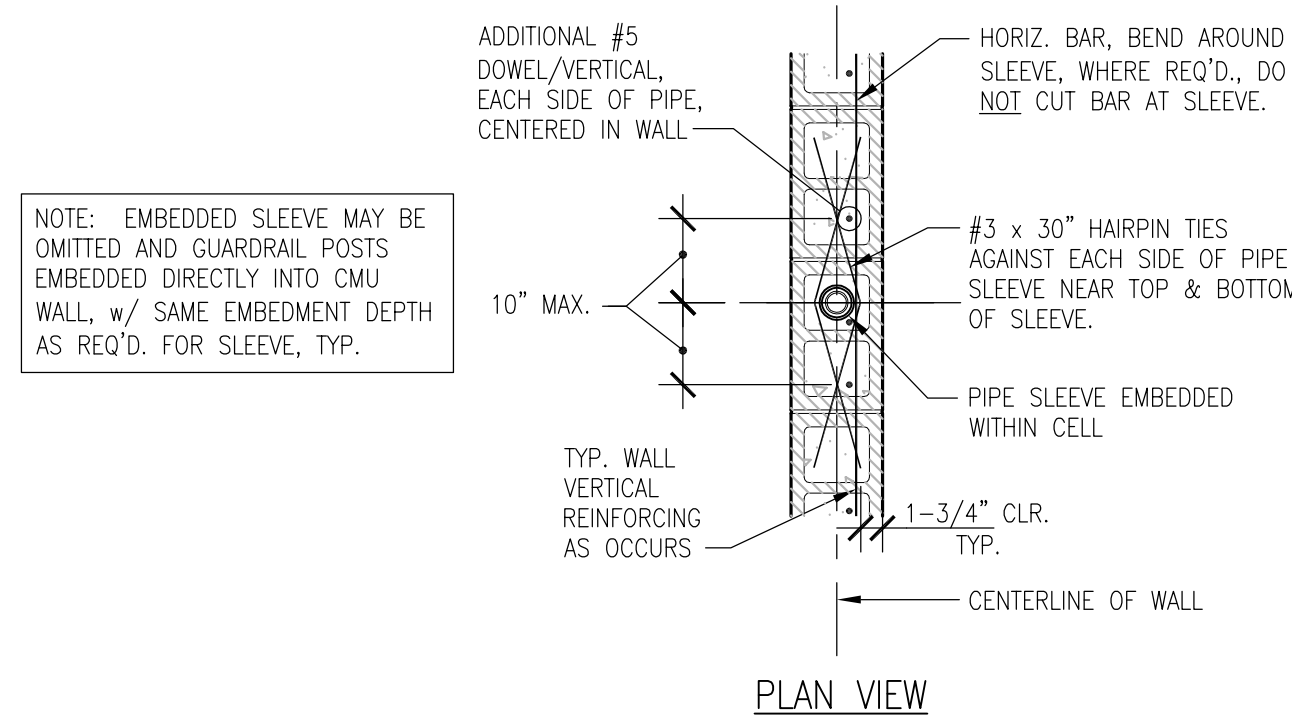
3/4"=1'-0"

9 CONCRETE RETAINING WALL SCHEDULE

1"=1'-0"

11 CMU RETAINING WALL SCHEDULE

1"=1'-0"



19 GUARDRAIL POST EMBEDDED INTO TOP OF CMU RETAINING WALL

3/4"=1'-0"

21 WALL DOWELING DETAIL NEW CMU WALL TO <E> CMU WALL

1"=1'-0"

24 BASKETBALL GOAL POST FOOTING

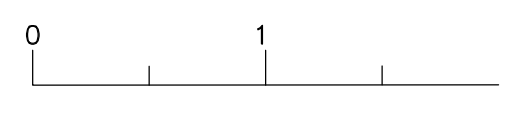
3/4"=1'-0"



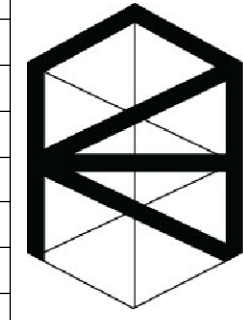
CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS



REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE
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GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

S1.2 - STRUCTURAL DETAILS

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
JJQ	JJQ	TDH	QJP 2119	35	45

VERDE DESIGN, INC. PROJECT NO. 2207300

SYMBOL LIST:

	PLAN, DETAIL OR SECTION DESIGNATION.
	ROOM NUMBER.
	SHEET REFERENCE SYMBOL - SEE ASSOCIATED NOTE ON SAME SHEET.
	FEEDER SCHEDULE SYMBOL.
	MECHANICAL EQUIPMENT TAG.
SWITCH SYMBOLS	
	SINGLE POLE SWITCH, + 48" AFF TO THE TOP OF THE OUTLET BOX UON.
	SINGLE POLE SWITCH, + 48" AFF TO THE TOP OF THE OUTLET BOX, a = CIRCUIT CONTROLLED.
	THREE WAY SWITCH + 48" AFF TO THE TOP OF THE OUTLET BOX UON.
	FOUR WAY SWITCH + 48" AFF TO THE TOP OF THE OUTLET BOX UON.
	MOTOR RATED SWITCH
	WALL MOUNTED LOW VOLTAGE "DATALINE" SWITCH +48" FROM TOP OF BOX UON, a = CIRCUIT CONTROLLED

RECEPTACLE SYMBOLS

	CONVENIENCE RECEPTACLE - DUPLEX AT + 18" AFF UON.
	6FCI CONVENIENCE RECEPTACLE - DUPLEX.
	RECEPTACLE - DOUBLE DUPLEX AT + 18" AFF UON.
	RECEPTACLE - DOUBLE DUPLEX ON CEILING
	SINGLE RECEPTACLE - NEMA 5-20R UON, AT + 18" AFF UON.
	SINGLE RECEPTACLE - NEMA L21 - 208 VOLT, THREE PHASE, 5 WIRE, AT + 18" AFF UON.
	3-CHANNEL SURFACE RACENWAY, INSTALL AT +36" AFF UON. RACENWAY SHALL BE WIREMOLD #5500.

POWER DISTRIBUTION SYMBOLS

	PANELBOARD - SURFACE OR FLUSH MOUNTED.
	LIGHTING CONTROL CABINET.
	EMERGENCY POWER INVERTER.
	JUNCTION BOX - CEILING OR WALL MOUNTED, SIZE PER CEG, TAPE AND TAG WIRES.
	MAIN SWITCHBOARD OR DISTRIBUTION PANEL.
	MOTOR
	RATINGS AS INDICATED.
	UNFUSED DISCONNECT SWITCH - RATINGS AS INDICATED.
	FUSED DISCONNECT SWITCH - SIZE FUSES PER MOTOR MANUFACTURER'S RECOMMENDATIONS, RATINGS AS INDICATED.
	MAGNETIC STARTER - NEMA SIZE INDICATED.
	TRANSFORMER - SEE SINGLE LINE FOR REQUIREMENTS.
	GROUND ROD.
	IN-GRADE ELECTRICAL PULL BOX WITH TRAFFIC RATED LID.
	IN-GRADE LIGHTING PULL BOX WITH TRAFFIC RATED LID.

POWER DISTRIBUTION SINGLE LINE SYMBOLS

	DRAW-OUT CIRCUIT BREAKER.
	CIRCUIT BREAKER.
	FUSED SWITCH.
	"P64E" METER W/ CURRENT TRANSFORMER.
	TRANSFORMER.
	NORMALLY OPENED, AUXILIARY CONTACT.
	NORMALLY CLOSED, AUXILIARY CONTACT.
	AUTOMATIC TRANSFER SWITCH.
	EMERGENCY GENERATOR.

WIRING & CONDUIT RUN SYMBOLS

	CONDUIT - CONCEALED IN WALLS OR CEILING.
	CONDUIT - EXPOSED.
	CONDUIT - IN OR BELOW FLOOR: 1/31W/1/41/3" MIN.
	EXISTING CONDUIT, CABLES OR DEVICE
	CONDUIT - HOME RUN TO PANEL, TERMINAL CABINET, ETC., RUNS MARKED WITH CROSSSHATCHES INDICATE NUMBER OF #12 AWG WIRES. CROSSSHATCH WITH SUBSCRIPT '6' INDICATES GREEN GROUND WIRE. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE. CROSSSHATCHES WITH "10" INDICATES WIRE SIZE OTHER THAN #12'S.
	FLEX CONDUIT WITH CONNECTION.
	CONDUIT - STUB UP.
	CONDUIT - STUB DOWN.
	CONDUIT EMERGENCY SYSTEM.
	CAPPED CONDUIT.
	CONDUIT CONTINUATION.

GENERAL NOTES:

1. READ THE COMPLETE SPECIFICATIONS, CONTRACT DOCUMENTS AND COMPLY WITH EACH REQUIREMENTS.
2. THE COMPLETE ELECTRICAL INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE N.E.C., AND ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION.
3. THE CONTRACTOR SHALL BE LICENSED BY THE STATE OF CALIFORNIA C-10 AND SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. MATERIALS AND EQUIPMENT SHALL BE U.L. LISTED AND LABELED FOR THE APPLICATION.
4. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK.
5. PRIOR TO SUBMITTING A BID THE CONTRACTOR SHALL VISIT THE SITE, REVIEW THE EXISTING CONDITIONS AND ALLOW FOR LABOR, MATERIAL, AND COORDINATION THAT IS NECESSARY TO PROVIDE A COMPLETE INSTALLATION OF EACH SYSTEM. THE CONTRACTOR SHALL OBTAIN AND BE FAMILIAR WITH ALL OTHER TRADES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL WORK NOTED AND CALLED OUT ON ALL CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN OTHER TRADES ON PROJECT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.
7. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL AT THE CONCLUSION OF THE PROJECT PROVIDE ACCURATE "AS-BUILT" DRAWINGS. "AS-BUILT" DRAWINGS SHALL SHOW ACTUAL CHANGES TO ORIGINAL ELECTRICAL DRAWINGS, SHOW LOCATIONS OF PULLBOXES, CONDUIT RUNS AND WIRING CHANGES.
8. ALL MATERIALS PROVIDED TO THE PROJECT SHALL BE U.L. OR CSA LISTED AND SHALL BE NEW. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.
9. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED CUTTING, PATCHING, EXCAVATION, BACKFILL, AND REPAIRS NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT START OF WORK. THE CONTRACTOR SHALL CONTACT "UNDERGROUND SERVICES ALERT" FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF UNDERGROUND WORK.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAINTING ALL EXPOSED CONDUITS AND ELECTRICAL EQUIPMENT. REFER TO ARCHITECT'S PAINTING SECTION FOR REQUIREMENTS.
11. ALL ELECTRICAL EQUIPMENT INSTALLED OUTDOORS SHALL BE WEATHERPROOF. EXTERIOR CONDUITS RUN INTO BUILDINGS SHALL BE INSTALLED WITH FLASHINGS, GASKETED AND SEALED. CONDUITS FOR EXTERIOR ELECTRICAL DEVICES SHALL BE RUN INSIDE BUILDINGS UNLESS OTHERWISE NOTED ON DRAWINGS. ALL EXTERIOR CONDUITS SHALL BE "R55" UNLESS OTHERWISE NOTED ON DRAWINGS.
12. ALL CONDUITS UNLESS OTHERWISE NOTED ON DRAWINGS SHALL HAVE AS A MINIMUM: TWO (2) #12S WITH ONE (1) #12 GROUND. "TICK" MARKS SHOWN ON CIRCUITS ARE FOR "ROUGH" ESTIMATING ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WIRES AND WIRE SIZES REQUIRED BY LATEST CODE.
13. COORDINATE ALL CONDUIT RUNS, ELECTRICAL EQUIPMENT AND PANELS WITH ALL OTHER WORK TO AVOID CONFLICTS.
14. ELECTRICAL EQUIPMENT SHOWN ON THIS DRAWING HAS BEEN SELECTED BASED ON DIMENSIONS TO FIT THE SPACE. THE CONTRACTOR SHALL VERIFY ALL EQUIPMENT DIMENSIONS PRIOR TO ORDERING OF THE EQUIPMENT.
15. CONTRACTOR SHALL REVIEW EQUIPMENT REQUIREMENTS OF OTHER TRADES AND PROVIDE POWER CIRCUITS AND CONNECTIONS TO ELECTRICALLY OPERATED EQUIPMENT.
16. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF UNDERGROUND POWER AND TELEPHONE SERVICES FROM SERVING UTILITIES. FIELD ADJUSTMENTS MAY BE REQUIRED IN INDIVIDUAL SERVICE LOCATIONS.
17. THE CONTRACTOR SHALL CONTACT "UNDERGROUND SERVICES ALERT" FOR LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF UNDERGROUND WORK.
18. NEW DUCT ROUTES ARE APPROXIMATE ONLY AND MAY BE ADJUSTED IN THE FIELD TO CLEAR OTHER UNDERGROUND UTILITIES. PROVIDE AS-BUILT DRAWINGS TO INDICATE ACTUAL LOCATION OF CONDUIT ROUTING.
19. EFFECTIVELY BOND ELECTRICAL CABINETS, ENCLOSURES AND CONDUIT RACENAYS TO CODE APPROVED GROUND AS PART OF THE CONTINUOUS GROUNDING SYSTEM.
20. FROM ALL NEW PANELS, THE CONTRACTOR SHALL STUB UP INTO ACCESSIBLE CEILING SPACE A MINIMUM OF FOUR (4) 3/4" CONDUITS FOR FUTURE USE.
21. UTILITY SERVICE WORK SHALL BE IN ACCORDANCE WITH THE SERVING UTILITY COMPANY'S RULES, REGULATIONS AND STANDARDS, AND SHALL BE VERIFIED WITH UTILITY COMPANY'S ENGINEERING DRAWINGS AND FIELD SUPERVISOR PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF UNDERGROUND POWER, GATV AND TELEPHONE SERVICES FROM SERVING UTILITIES. FIELD ADJUSTMENTS MAY BE REQUIRED IN INDIVIDUAL SERVICE LOCATIONS. THE CONTRACTOR SHALL REMAIN IN CONTACT WITH UTILITY COMPANY ENGINEERING DEPARTMENTS THROUGHOUT PROJECT TO INSURE COORDINATION AND SCHEDULING OF WORK.
22. THE CONTRACTOR SHALL PROVIDE IN EVERY CONDUIT A DRAIN STRING FOR USE IN FUTURE CONSTRUCTION. STRING SHALL BE NYLON PULLSTRING ROPE/STRING.
23. POWER FEEDERS MAY NOT BE SHOWN ON THE DRAWINGS. REFER TO THE SINGLE LINE DIAGRAM FOR CONDUIT AND FEEDER INFORMATION. ALL DRAWINGS ARE DIAGRAMMATIC INDICATING LOCATION OR POSITION OF EQUIPMENT. FIELD VERIFY CONDITIONS PRIOR TO INSTALLATION OF ANY WORK.
24. MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR SIZING, CIRCUIT BREAKER OR FUSE PROTECTION OF ELECTRICALLY OPERATED EQUIPMENT MAY DIFFER FROM THOSE INDICATED ON DRAWINGS. CONTRACTOR SHALL CONFIRM RATINGS PRIOR TO ORDERING EQUIPMENT. PROVIDE ELECTRICAL PROTECTION TO EQUIPMENT IN ACCORDANCE TO MANUFACTURER'S SPECIFICATIONS AND PER NATIONAL ELECTRICAL CODE REQUIREMENTS.
25. PROVIDE SEISMIC BRACING FOR ALL PENDANT LIGHT FIXTURES, FREESTANDING ELECTRICAL DISTRIBUTION EQUIPMENT, MOTOR CONTROL CENTERS ETC, AND CONDUIT RACKS PER SEISMIC CRITERIA 2022 CBC REQUIREMENTS INCLUDING ENGINEERED LOAD CALCULATIONS COMPLETE WITH SMAY BRACING CRITERIA.
26. DO NOT SUBSTITUTE SPECIFIED MATERIAL OR EQUIPMENT WITHOUT FIRST OBTAINING APPROVAL FROM THE OWNER OR HIS REPRESENTATIVE.
27. ALL SPACES ON PANELS OR SWITCHBOARDS SHALL BE COMPLETE WITH HARDWARES AND BUSSING FOR FUTURE BREAKER OR SWITCH.
28. ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2022 NATIONAL ELECTRICAL CODE AS AMENDED BY THE 2022 CALIFORNIA ELECTRICAL CODE.

ABBREVIATIONS

A	AMPERE
ABV	ABOVE
AF	AMP FRAME OR AMP FUSE
AFB	ABOVE FINISHED FLOOR
ARCH	ARCHITECTURAL
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
BKR	BREAKERS
BLDG	BUILDINGS
C	CONDUIT
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CD	CANDELS
CCT	CIRCUIT
CL	CENTER LINE
CLS	CELLING
CO	CONDUIT ONLY
CTR	CENTER
D	DETAIL
DET	DETAIL
DIM	DIMENSION
DISTR	DISTRIBUTION
DWS	DRAWING
(E)	EXISTING
EM	EMERGENCY
EQPT	EQUIPMENT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
(F)	FUTURE
FIN	FINISH
FL	FLOOR
GR	GROUND
HGT	HEIGHT
HP	HORSEPOWER
IC	INTERCOM
IDP	INTERMEDIATE DISTRIBUTION FRAME
JB	JUNCTION BOX
KAIC	KILOAMPERE INTERRUPTING CAPACITY
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KM	KILOWATT
LTS	LIGHTING
MCM	THOUSAND CIRCULAR MILS
MDP	MAIN DISTRIBUTION FRAME
MECH	MECHANICAL
MI	MOUNTED
MTD	MOUNTING
MTS	MOUNTING
NEA	NEMA
NC	NORMALLY CLOSED
NG	NOT IN CONTRACT
NEC	NOT IN ELECTRICAL CONTRACT
NO	NUMBER NORMALLY OPEN
NTS	NOT TO SCALE
ON CTR	ON CENTER
P	POLE CIRCUIT BREAKER
PA	PUBLIC ADDRESS
PB	PULL BOX
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
(R)	EXISTING TO BE RELOCATED
REQD	REQUIRED
REQT	REQUIREMENTS
RM	ROOM
RSC	RIGID STEEL CONDUIT
SHT	SHEET
SW	SWITCH
SWBD	SWITCHBOARD
TC	TERMINAL CABINET
TEL	TELEPHONE
TEP	TELEPHONE
UON	UNLESS OTHERWISE NOTED
V	VOLT
W	WATT
WPR	WEATHERPROOF
XFMR	TRANSFORMER

SHEET NO.	ELECTRICAL SHEET TITLE
E0.1	GENERAL NOTES, SYMBOL LIST, ABBREVIATIONS AND FIXTURE SCHEDULE
E0.2	FIXTURE SCHEDULE
E0.3	TITLE 24 EXTERIOR
E1.0	ELECTRICAL SITE PLAN - P64E
E1.1	NEW ELECTRICAL SITE PLAN
E2.1	ELECTRICAL PLANS
E3.1	PARTIAL SINGLE LINE DIAGRAM
E4.1	ELECTRICAL DETAILS
E4.2	ELECTRICAL DETAILS
E4.3	ELECTRICAL DETAILS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LOCATING ALL EXISTING UNDERGROUND SYSTEMS IN AREA OF NEW TRENCHING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL DAMAGED SYSTEMS TO OWNERS SATISFACTION. EXTREME CARE SHALL BE MAINTAINED DURING TRENCHING AS EXISTING SYSTEMS ARE KNOWN TO EXIST IN AREA. MODIFICATIONS TO EXISTING SYSTEMS MAY BE REQUIRED TO ACCOMMODATE NEW SYSTEM CONFIGURATION AND SHALL BE MADE BY THE CONTRACTOR WITHOUT EXTRA EXPENSE TO THE OWNER. THE DRAWINGS AND SPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATIONS, DISTANCES AND ELEVATIONS WILL BE GOVERNED BY ACTUAL CONDITIONS. THE CONTRACTOR SHALL EXAMINE THE CONTRACT DOCUMENTS AND FIELD CONDITIONS TO DETERMINE EXACT ROUTING AND FINAL TERMINATIONS FOR ALL NEW WORK.



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**CITY OF
MARINA**

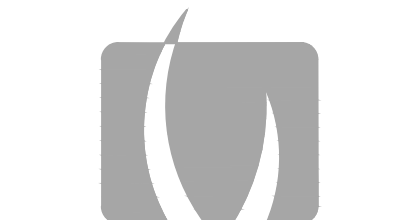
211 Hillcrest Avenue
Marina, CA 93933

SCALE:SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS



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VERDE DESIGN

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN

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**GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2**

GENERAL NOTES, SYMBOL LIST,
ABBREVIATIONS AND FIXTURE SCHEDULE

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
AA	CN	SF/AA	QLP2119	E0.1	

VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: E0.2 FIXTURE SCHEDULE.DWG
PLOT DATE: 11/22/2024 11:07 AM
BY: CUONG NGUYEN



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CITY OF MARINA

DEPARTMENT OF PUBLIC WORKS

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REGISTERED PROFESSIONAL ENGINEER
S. FERRER
E16890
Exp. 06/30/25
STATE OF CALIFORNIA

GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

FIXTURE SCHEDULE

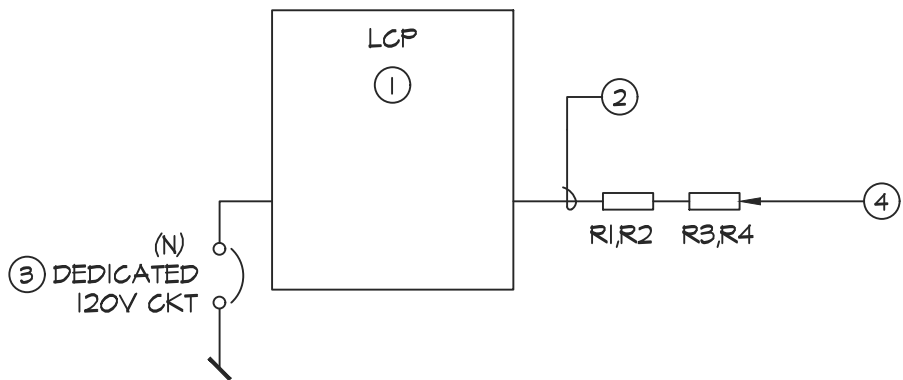
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VERDE DESIGN, INC. PROJECT NO. 2207300

FIXTURE SCHEDULE					
TYPE	LAMPS	LED DRIVER	MOUNTING	DESCRIPTION	WEIGHT
A	87W LED 4000K	0-10V DIMMING	MOUNTED ON A 12" POLE WITH A 4" BASE. TOTAL HEIGHT IS 15'-4" WITH BASE.	POLES SHALL BE 12" HIGH. THE POLE SHAFT SHALL BE A SINGLE PIECE 11 GAUGE CARBON STEEL. THE FORMED STEEL PLATE SHALL BE LONGITUDINALLY WELDED PROVIDING MINIMUM YIELD STRENGTH OF 46KSI. THE ANCHOR BASE SHALL BE A-36 STRUCTURAL CARBON STEEL WITH A MINIMUM YIELD STRENGTH OF 36KSI. THE BASE PLATE SHALL TELESCOPE INTO THE POLE SHAFT AND BE CIRCUMFERENTIALLY WELDED ON THE TOP AND BOTTOM. ANCHOR BOLTS SHALL BE PROVIDED WITH THE POLE. ANCHOR BOLTS SHALL MEET OR EXCEED YIELD STRENGTH OF 50200PSI. EACH ANCHOR BOLT SHALL BE PROVIDED WITH ALL HARDWARE NECESSARY FOR POLE INSTALLATION. BASE COVER SHALL BE TWO PIECE AND CONCEAL THE ENTIRE BASE PLATE AND ANCHORAGE. POLE SHALL BE PROVIDED WITH A HANDHOLE 12" ABOVE THE BASE. HANDHOLE SHALL BE PROVIDED WITH A COVER PLATE AND ATTACHMENT SCREWS. POLE SHALL ALSO BE PROVIDED WITH A POLE TOP CAP. FINISH SHALL BE TG16 POLYESTER POWDER COAT ELECTROSTATICALLY APPLIED AND THERMALLY CURED AND SHALL BE MATCH FIXTURE IN COLOR. POLES SHALL BE FACTORY DRILLED FOR PROPER FIXTURE INSTALLATION. ALL POLES SHALL BE PROPERLY LEVELED AND VERTICAL. LIGHTING FIXTURE HEADS SHALL BE MOUNTED TO THE POLE PER THE MANUFACTURERS RECOMMENDATIONS. LANDSCAPE FORMS ALGOTT AREA LIGHT #AC-46LED-TYPE 5-55W-4000K-VV1-12-ONTX ARCH. SERIES FINISH AND MOTION SENSOR. UNV FIXTURE SHALL BE PROVIDED WITH MINIMUM 5-YEAR WARRANTY. SUBMIT DOCUMENTATION OF PRODUCT AT CLOSE OUT.	40LBS
B	5W/FT 4000K	0-10V DIMMING	MOUNTED ON CEILING	PAVILION LINEAR LED LIGHTS WITH IP64K FOR EXTREME HARSH CONDITION. HPNLS - L08 5W/FT - 4000K - WIDE - 120V - BLACK - K EXTREME - 3" SWIVEL, CLEAR	

Site Name: GLORYA JEAN TATE PARK LCP SCHEDULE						
Channel	Description	Scenario *	On / Occupied at:	Off / Unoccupied at:	Flick ?	Time Delay
A	EXTERIOR	Auto On/Auto Off	Dark On	9:00PM off	No	0 Min.
B						
C						
D						
E						

- NOTES:
- LCP SHALL BE WATSTOPPER PEANUT LCP #LPS 120V PANEL. PANEL SHALL BE PROVIDED WITH 8 1-POLE RELAYS MINIMUM AND MOUNTED INSIDE NEMA-1 ENCLOSURE. VERIFY EXACT SIZE OF ENCLOSURE TO ENSURE THAT LCP FITS INSIDE ENCLOSURE.
 - SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - CONTRACTOR TO PROVIDE A COMPLETE FULLY OPERATIONAL SYSTEM WITH ALL CABLES CONNECTED.
 - CONTRACTOR SHALL COORDINATE THE LCP SCHEDULE WITH THE DISTRICT PRIOR TO PROGRAMMING.



LCP RISER NOTES:

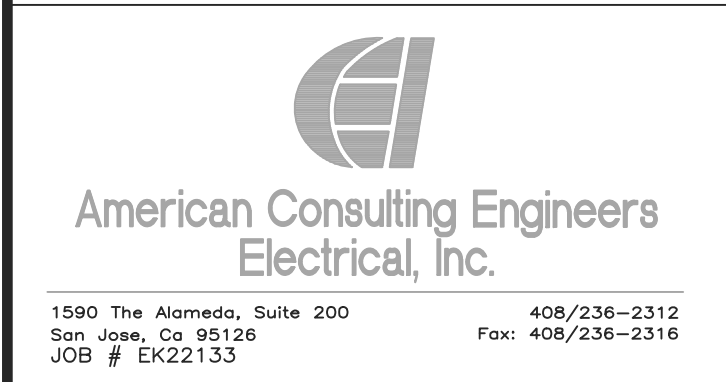
- (N) LCP (LIGHTING CONTROL PANEL) IS LOCATED INSIDE THE NEMA-1 ELECTRICAL ENCLOSURE NEXT TO SCOUT HOUSE PANEL. SEE ELECTRICAL SITE PLAN FOR EXACT LOCATION OF THE NEMA-1 ELECTRICAL ENCLOSURE.
- COORDINATE WITH WATSTOPPER MANUFACTURER AND PROVIDE CABLES REQUIRED TO CONNECT TO CONTROL SWITCH. CABLES SHALL BE UNDERGROUND RATED AS NEEDED. ROUTING IS DIAGRAMMATIC.
- ROUTE (N) 3/4" WITH (2)#12 AND (1)#12 GND. TO ASSOCIATED DIST. PANEL FOR POWER CONNECTION.
- PROVIDE OVERRIDE SWITCH FOR CONTROL OF LIGHTS AND (4) RELAYS/SWITCHES PER THE PLANS. PROVIDE IN NEMA-3R LOCKABLE BOX. COORDINATE EXACT LOCATION WITH ARCHITECT.

SITE LIGHTING SCHEDULE 'LCP':											
Relay #	Circuit	Description	LV Switch/Sensor	A	B	C	D	E	F	G	H
R1	SH-1	SECURITY LIGHT POLE LED FIXTURE	VIA LCP		X						
R2	SH-3	SECURITY LIGHT POLE LED FIXTURE	VIA LCP		X						
R3	SH-5	PAVILION OCTAGON	VIA LCP		X						
R4	SH-T	PAVILION RECTANGULAR	VIA LCP		X						
R5		SPARE									
R6		SPARE									
R7		SPARE									
R8		SPARE									

1 LIGHTING CONTROL PANEL RISER DIAGRAM
E0.2 NOT TO SCALE

BID SUBMITTAL - 2024/11/08

FILE NAME: E0.3 TITLE 24 EXTERIOR.DWG
PLOT DATE: 11/22/2024 11:07 AM
BY: CLYDIA NGUYEN



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS



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8	△				
9	△				
10	△				



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tel: 408.985.7200
fax: 408.985.7260
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GLORIA JEAN TATE PARK IMPROVEMENTS
PHASE 2

TITLE 24 - EXTERIOR

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
AA	CN	SF/AA	QLP2119	E0.3	

VERDE DESIGN, INC. PROJECT NO. 2207300

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Gloria Jean Tate Park

Report Page: (Page 1 of 7)

Date Prepared: 6/10/2024

A. GENERAL INFORMATION

01 Project Location (city) Marina

04 Total Illuminated Hardscape Area (ft²) 33750

02 Climate Zone 3

03 Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):

05 Occupancy Types within Project

B. PROJECT SCOPE

My Project Consists of:

01 New Lighting System

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

03 Altered Lighting System

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

05 Yes

06 No

07 % of Existing Luminaires Being Altered¹

08 Sum Total of Luminaires Being Added or Altered

09 Calculation Method

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

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

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-6443-0624-1165

Report Generated: 2024-06-10 16:09:44

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Gloria Jean Tate Park

Report Page: (Page 2 of 7)

Date Prepared: 6/10/2024

C. COMPLIANCE RESULTS

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)(2) / 180.2(b)(4)8v

01 General Hardscape Allowance 140.7(d)(1) / 170.2(e)6 (See Table I)

02 Per Application 140.7(d)(2) / 170.2(e)6 (See Table K)

03 Sales Frontage 140.7(d)(2) / 170.2(e)6 (See Table L)

04 Ornamental 140.7(d)(2) / 170.2(e)6 (See Table M)

05 Per Specific Area 140.7(d)(2) / 170.2(e)6 (See Table N)

06 Existing Power Allowance 141.0(b)(2) / 180.2(b)(4)8v (See Table N)

07 Total Allowed (Watts)

08 Total Actual (Watts)

09 07 must be >= 08

10 Shielding Compliance (See Table G for Details)

11 Controls Compliance (See Table H for Details)

D. EXCEPTIONAL CONDITIONS

E. ADDITIONAL REMARKS

Generated Date/Time:

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NRCC-LTO-E

Project Name: Gloria Jean Tate Park

Report Page: (Page 4 of 7)

Date Prepared: 6/10/2024

H. OUTDOOR LIGHTING CONTROLS

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

01 Area Description

02 Shut-Off 130.2(c)(1) / 160.5(c)

03 Auto-Schedule 130.2(c)(2) / 160.5(c)

04 Motion Sensor 130.2(c)(3) / 160.5(c)

05 Field Inspector

06 Pedestrian

07 Astronomical Timer

08 Provided

09 Pass

10 Fail

11 FOOTNOTE: Text has been abbreviated, please refer to Table 140.5-A to confirm compliance with the specific light source technologies listed.

12 Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.

13 Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from i and iii.

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Schema Version: rev 20220101

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Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Gloria Jean Tate Park

Report Page: (Page 5 of 7)

Date Prepared: 6/10/2024

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

01 General Hardscape Allowance (per 140.7 / 170.2(e))

02 Area Description

03 Illuminated Area (ft²)

04 Area Wattage Allowance (AWA) (W/ft²)

05 Allowed Density (W/ft²)

06 Area Allowance (Watts)

07 Perimeter Length (ft)

08 Allowed Density (W/ft²)

09 Linear Wattage Allowance (LWA) (Watts)

10 Total General AWA + LWA (Watts)

11 Initial Wattage Allowance for Entire Site (Watts)

12 Instances of Initial Wattage Allowance (L2 0 only)

13 Total General Hardscape Allowance (Watts)

J. LIGHTING ALLOWANCE: PER APPLICATION

K. LIGHTING ALLOWANCE: SALES FRONTAGE

L. LIGHTING ALLOWANCE: ORNAMENTAL

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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Schema Version: rev 20220101

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Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Gloria Jean Tate Park

Report Page: (Page 7 of 7)

Date Prepared: 6/10/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Sammy Fernandez

Signature Date: 2024-06-10

Address: 1590 The Alameda

City/State/Zip: San Jose CA 95126

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

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

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

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

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

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

Responsible Designer Name: Sammy Fernandez

Signature Date: 2024-06-10

Address: 1590 The Alameda

City/State/Zip: San Jose CA 95126

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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Schema Version: rev 20220101

Compliance ID: EnergyPro-6443-0624-1165

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Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Gloria Jean Tate Park

Report Page: (Page 3 of 7)

Date Prepared: 6/10/2024

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01 Complete Luminaire Description

02 Watts per luminaire¹, ²

03 How is Wattage determined

04 Total Number Luminaires³

05 Luminaire Status⁴

06 Excluded per 140.7(a) / 170.2(e)8A

07 Design Watts

08 Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)14

09 Field Inspector

10 Pass Fail

11 Total Design Watts: 444

G. SHIELDING REQUIREMENTS (BUG)

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Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Gloria Jean Tate Park

Report Page: (Page 6 of 7)

Date Prepared: 6/10/2024

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Form/Title

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

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-6443-0624-1165

Report Generated: 2024-06-10 16:09:44



1 ELECTRICAL SITE PLAN
E1.0 SCALE: 1" = 30'-0"

GENERAL NOTES:

- SEE SINGLE LINE DIAGRAM FOR POWER CABLE REQUIREMENTS. ALL CABLES ARE DESIGNED AND SIZED FOR VOLTAGE DROPS.
- CONTRACTOR SHALL HAND DIG WHEN THE TRENCHING IS CLOSE TO THE EXISTING TREES, HEADERS, WALKS, IRRIGATION AND OTHER UTILITIES.
- PROVIDE TRAFFIC RATED LID FOR ALL FULL BOXES U.O.N.
- CONTRACTOR SHALL REFERENCE THE IRRIGATION PLANS TO CONFIRM THE LOCATION OF EXISTING MAINLINES AND LATERAL LINES. FOR THE AREAS WHERE THE PROPOSED ELECTRICAL CONDUITS CROSS THE EXISTING IRRIGATION MAINLINES AND LATERAL LINES, TRENCHING SHALL BE DONE BY HAND PER THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2022 CALIFORNIA ELECTRICAL CODE.
- CONTRACTOR TO SITE SURVEY EXISTING CONDITIONS AND LOCATIONS OF EXISTING UNDERGROUND SYSTEMS, WHERE (N) WORK OCCURS PRIOR TO BUILDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE (E) UNDERGROUND SYSTEMS/CONDUIT/PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE (E) UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE (N) WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAW CUTTING AND REMOVAL OF EXISTING SURFACES TO FACILITATE UNDERGROUND SYSTEMS. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED AND CUT SURFACES TO MATCH ADJACENT. SEE LANDSCAPE DRAWINGS TO COORDINATE THE NEW FIELD SURFACES.
- CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICT.

DEMOLITION NOTES:

- (E) P64E METER TO BE REMOVED AND REPLACED WITH NEW. COORDINATE WITH P64E FOR REMOVAL AS REQUIRED.
- (E) DISTRIBUTION TO BE REMOVED AND DEMOLISHED. EXTEND AND RELOCATE ALL (E) CONDUIT/CONDUCTOR TO NEW ELECTRICAL FULLBOX.

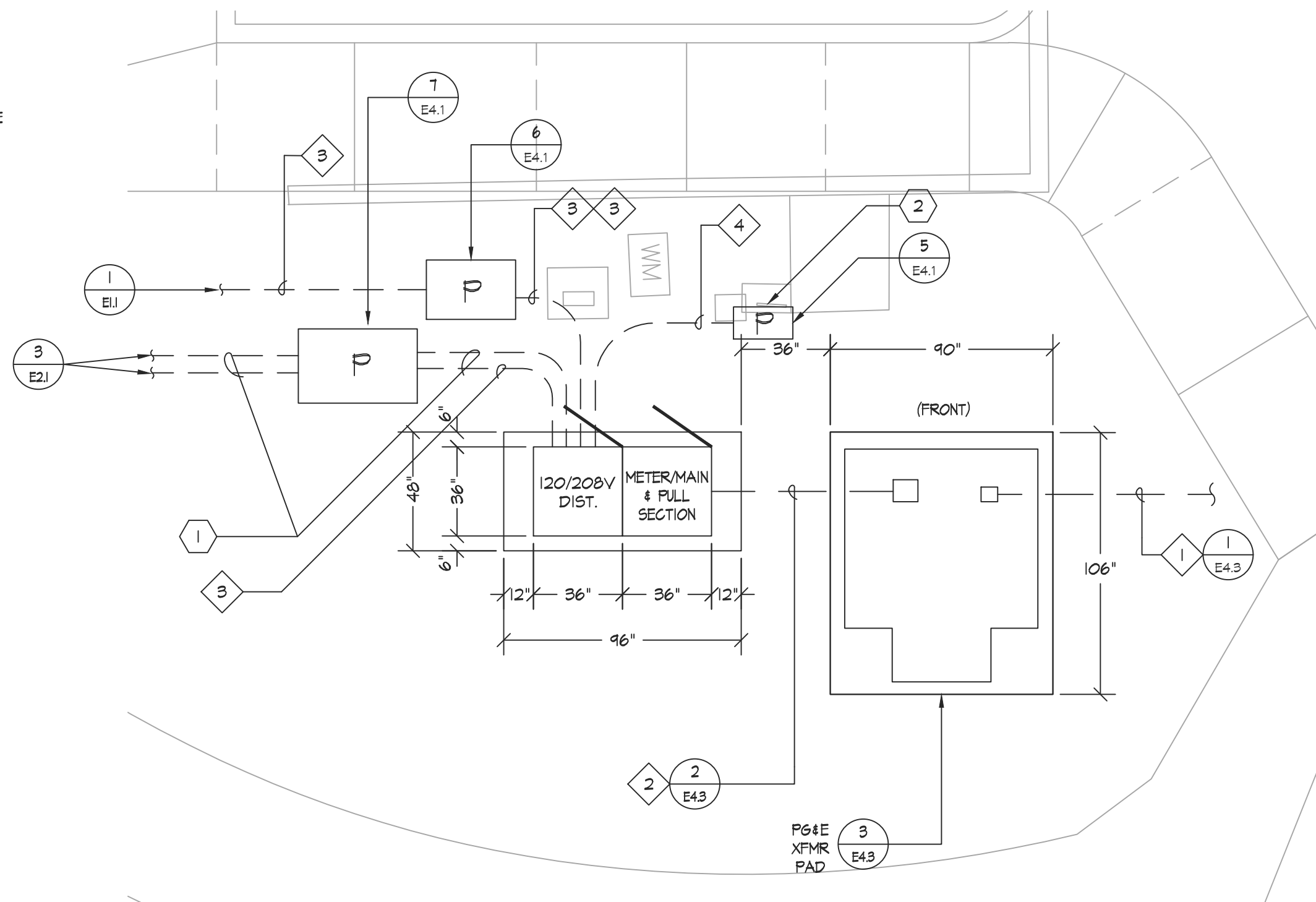
SHEET NOTES:

- REFER TO SHEET 3/E21 EV CHARGERS DRAWING FOR CONDUIT REQUIREMENTS.
- PROVIDE NEW FULLBOX. LOCATE EXISTING CIRCUITS/LOADS AND EXTEND TO NEW SWITCHBOARD. MATCH EXISTING WIRE SIZE.

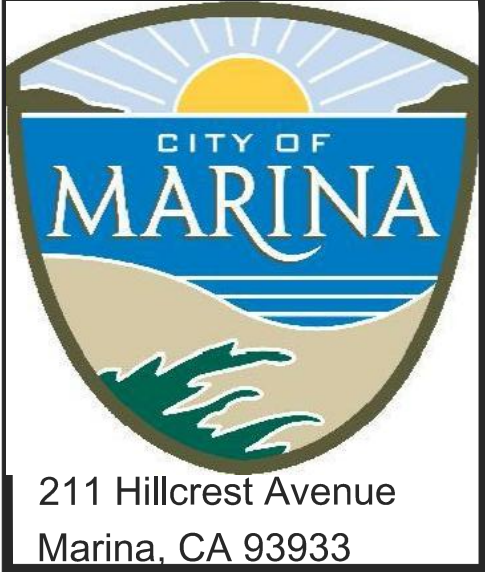
CONDUIT SCHEDULE:

- (1) 4"CO - P64E PRIMARY
- (2) 5"CO - P64E SECONDARY
- (3) 2"CO - SPARE
- (4) 2"CO - EXISTING CIRCUITS/LOADS

2 (E) METER TO BE REMOVED
E1.0 SCALE: 1/4" = 1'-0"



3 ENLARGED SWITCHBOARD LAYOUT
E1.0 SCALE: 1/4" = 1'-0"



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE:SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

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GLORIA JEAN TATE PARK IMPROVEMENTS
PHASE 2

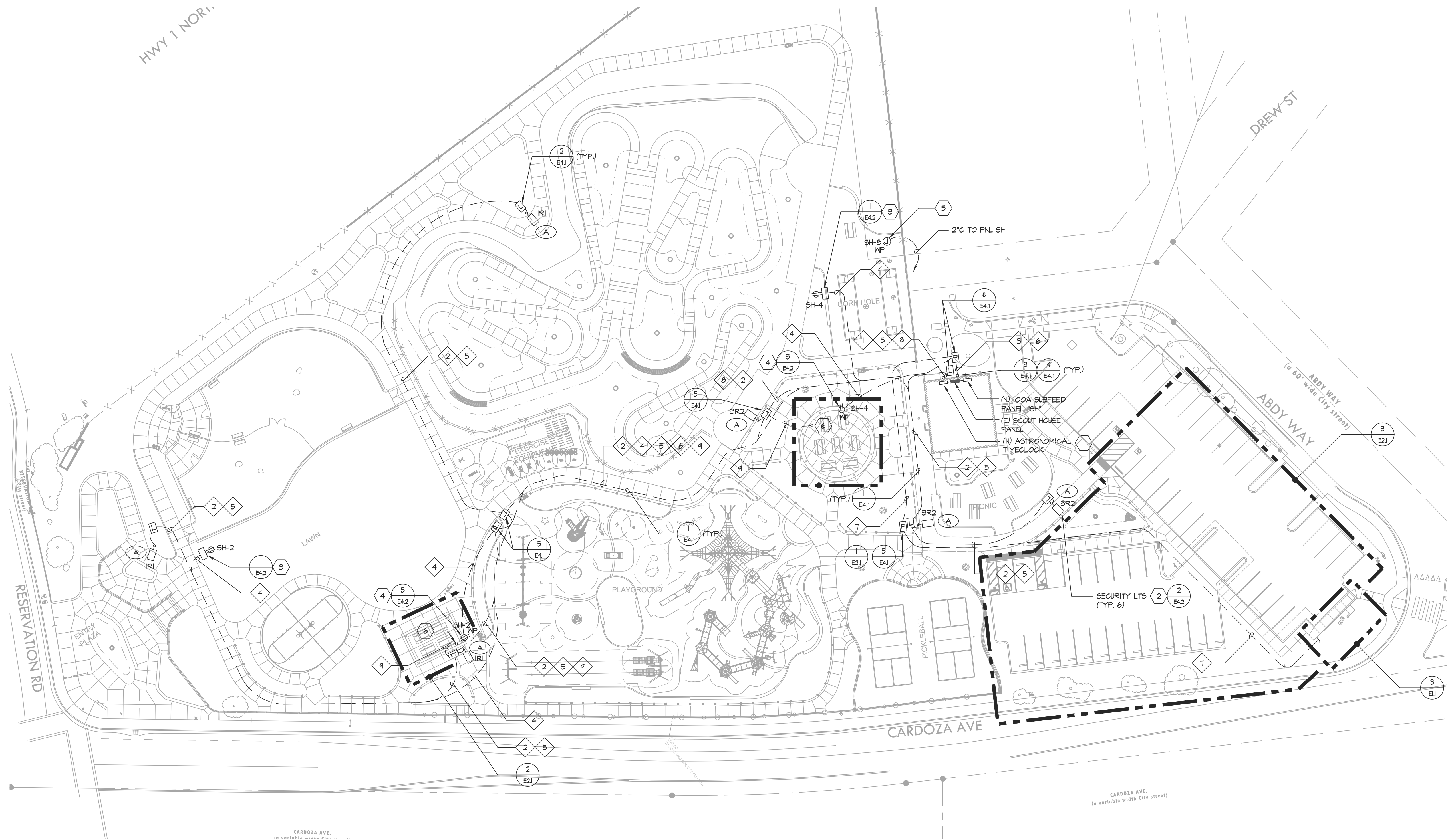
ELECTRICAL SITE PLAN - PG&E

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
AA	CN	SF/AA	QLP2119	E1.0	

VERDE DESIGN, INC. PROJECT NO. 2207300

FILE NAME: E1.0_ELEC SITE PLAN_PG&E.DWG
PLOT DATE: 11/22/2024 11:08 AM
BY: CLYDIA NGUYEN

BID SUBMITTAL - 2024/11/08



1 **ELECTRICAL SITE PLAN**
E1.1 SCALE: 1" = 30'-0"

GENERAL NOTES:

- SEE SINGLE LINE DIAGRAM FOR POWER CABLE REQUIREMENTS. ALL CABLES ARE DESIGNED AND SIZED FOR VOLTAGE DROPS.
- CONTRACTOR SHALL HAND DIG WHEN THE TRENCHING IS CLOSE TO THE EXISTING TREES, HEADERS, WALKS, IRRIGATION AND OTHER UTILITIES.
- PROVIDE TRAFFIC RATED LID FOR ALL PULL BOXES UO/M.
- CONTRACTOR SHALL REFERENCE THE IRRIGATION PLANS TO CONFIRM THE LOCATION OF EXISTING MAINLINES AND LATERAL LINES. FOR THE AREAS WHERE THE PROPOSED ELECTRICAL CONDUITS CROSS THE EXISTING IRRIGATION MAINLINES AND LATERAL LINES, TRENCHING SHALL BE DONE BY HAND PER THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE 2022 CALIFORNIA ELECTRICAL CODE.
- CONTRACTOR TO SITE SURVEY EXISTING CONDITIONS AND LOCATIONS OF EXISTING UNDERGROUND SYSTEMS, WHERE (N) WORK OCCURS PRIOR TO BIDDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE (E) UNDERGROUND SYSTEMS/CONDUIT/PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE (E) UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE (N) WORK.

- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAN CUTTING AND REMOVAL OF EXISTING SURFACES TO FACILITATE UNDERGROUND SYSTEMS. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED AND CUT SURFACES TO MATCH ADJACENT. SEE LANDSCAPE DRAWINGS TO COORDINATE THE NEW FIELD SURFACES.
- CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICT.
- IN GRADE PULLBOX IDENTIFIED WITH 'P' SHALL HAVE LID LABELED 'ELECTRICAL'.
- IN GRADE PULLBOX IDENTIFIED WITH 'L' SHALL HAVE LID LABELED 'LIGHTING'.
- ALL PULLBOX SHALL BE TRAFFIC RATED BLOT UNLESS OTHERWISE NOTED. SEE DETAIL FOR SPECS.

SHEET NOTES:

- PROVIDE NEW PEANUT LIGHTING CONTROL PANEL #LPB OR EQUAL WITH 8-RELAYS FOR LIGHTING CONTROL. COORDINATE EXACT LOCATION WITH ARCHITECT.
- COORDINATE EXACT LOCATION AND REQUIREMENTS WITH LANDSCAPE ARCHITECT.
- ELECTRIC BOLLARD WITH OUTLET. COORDINATE EXACT LOCATION AND BOLLARD TYPE WITH LANDSCAPE ARCHITECT.
- WP OUTLET MOUNTED ON PAVILION POST. COORDINATE EXACT LOCATION WITH LANDSCAPE ARCHITECT.
- PROVIDE DEDICATED 120V BRANCH CIRCUIT FOR IRRIGATION CONTROLLER. COORDINATE EXACT LOCATION & REQUIREMENTS WITH LANDSCAPE ARCHITECT.
- ROUTE CONDUIT/WIRING CONCEALED INSIDE COLUMN. COORDINATE WITH PAVILION DRAWINGS AND INSTALLATER.

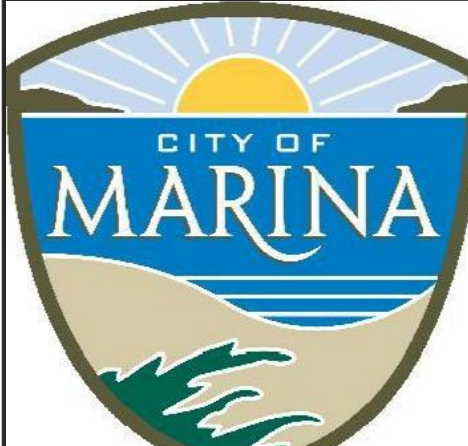
CONDUIT SCHEDULE:

- (N) (2) 2" - SECURITY LIGHTING
- (N) (1) 2" - SECURITY LIGHTING
- (N) (2) 2" - POWER
- (N) (1) 2" - POWER
- (N) (2) 2" - SPARE - LTB
- (N) (1) 2" - SPARE - POWER
- (N) (2) 2" - SPARE
- (N) (2) 2" - PAVILION LIGHTING
- (N) (1) 2" - PAVILION LIGHTING



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San Jose, CA 95126
JOB # E102133

408/236-2312
Fax: 408/236-2316



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Marina, CA 93933

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SCALE:SEE PLAN

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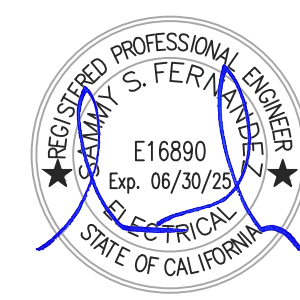
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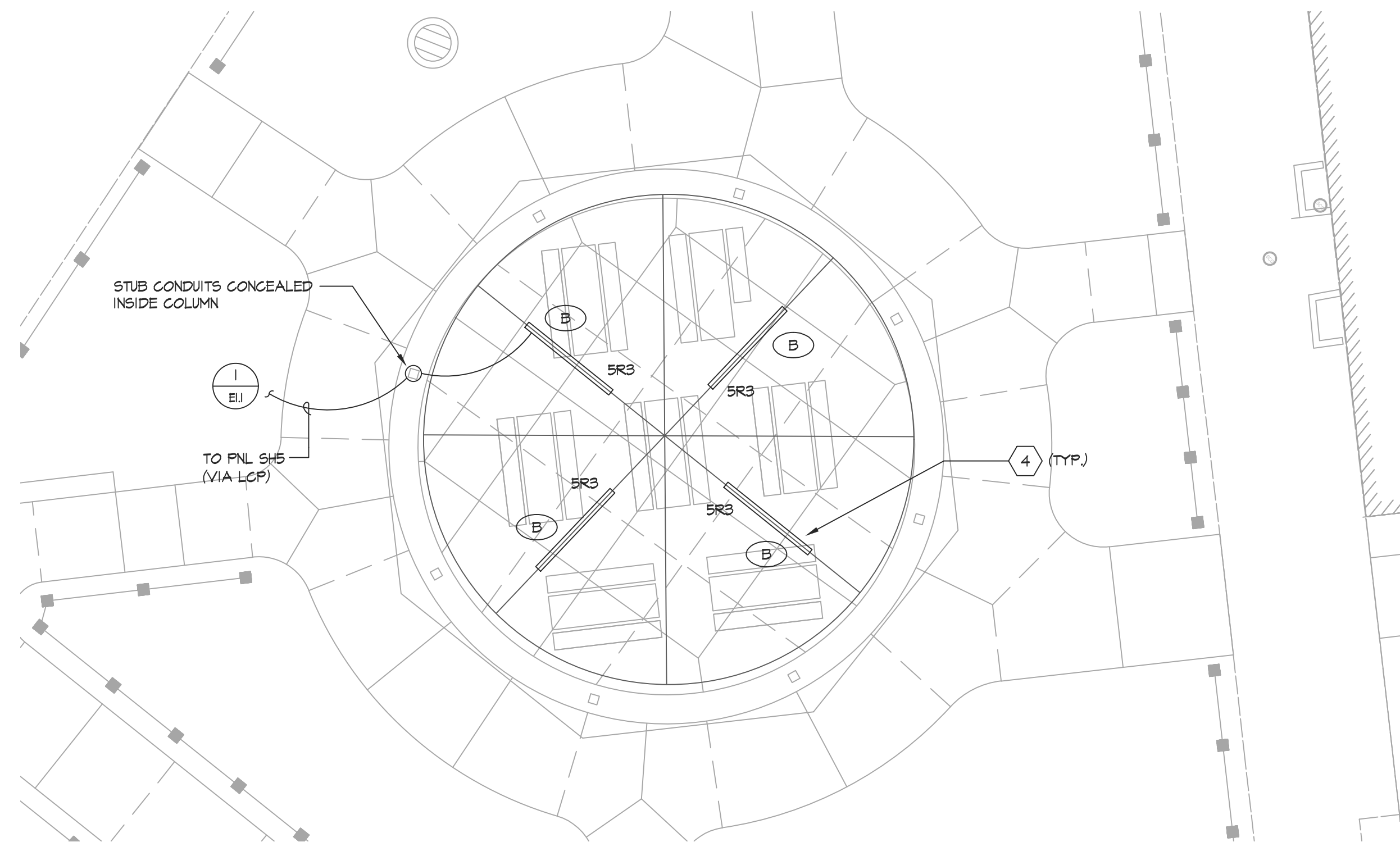


**GLORIA JEAN TATE PARK IMPROVEMENTS
PHASE 2**

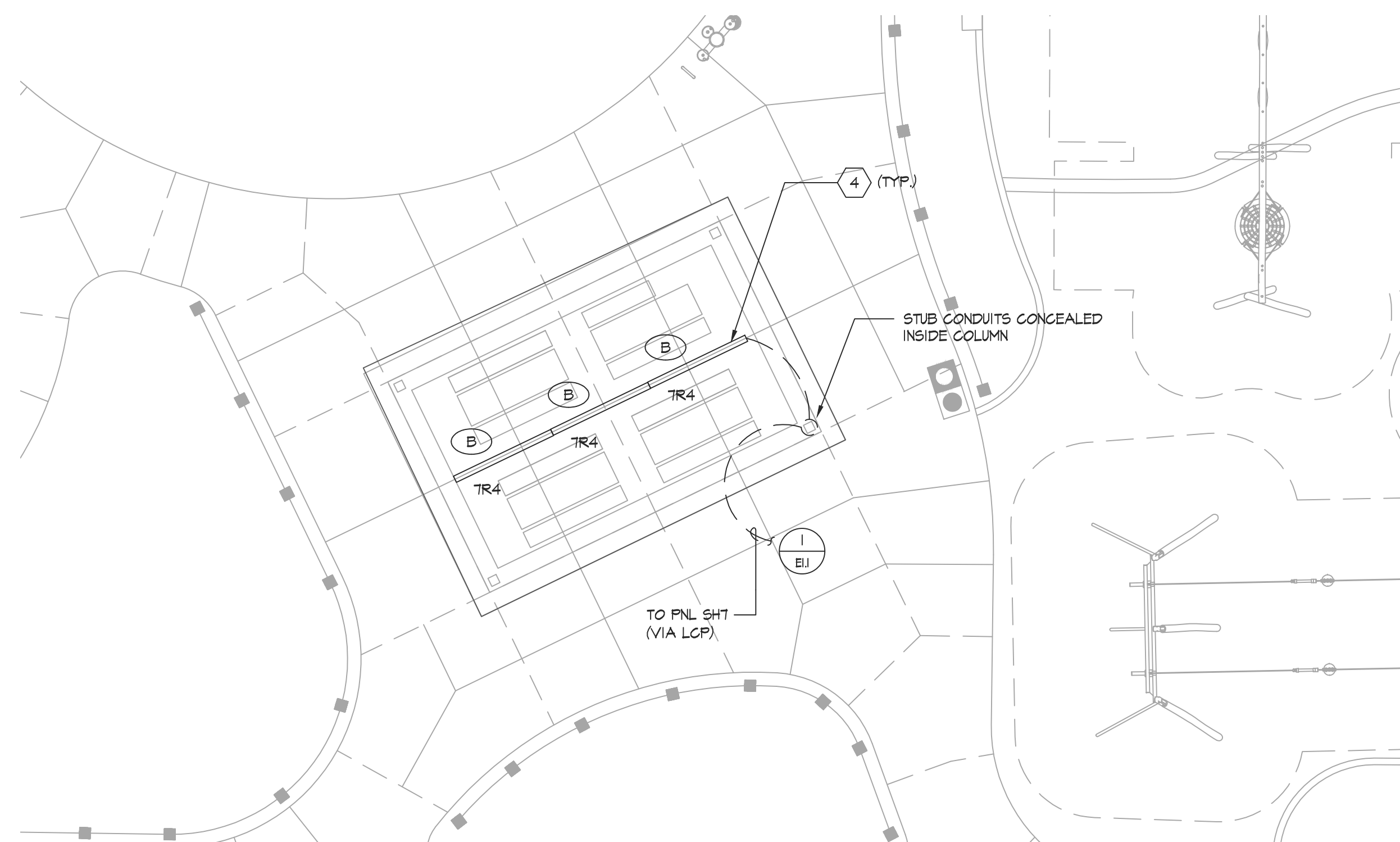
NEW ELECTRICAL SITE PLAN

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
AA	CN	SF/AA	QLP2119	E1.1	

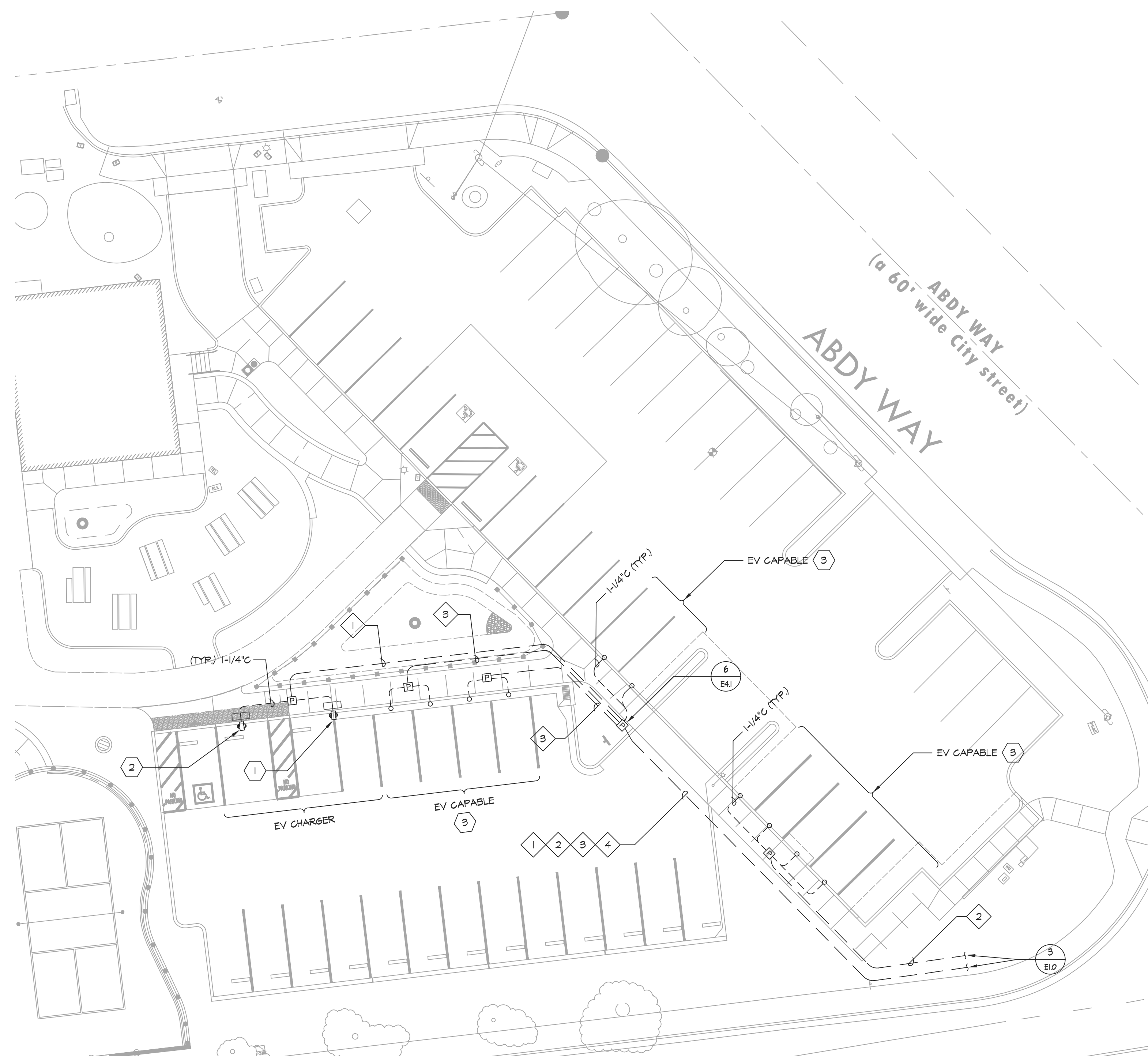
VERDE DESIGN, INC. PROJECT NO. 2207300



1 PARTIAL SITE PLAN - PAVILION #1 LTG
E2.1 SCALE: 1/8" = 1'-0"



2 PARTIAL SITE PLAN - PAVILION #2 LTG
E2.1 SCALE: 1/8" = 1'-0"



3 PARTIAL SITE PLAN - EV CHARGERS
E2.1 SCALE: 1/16" = 1'-0"

GENERAL NOTES:

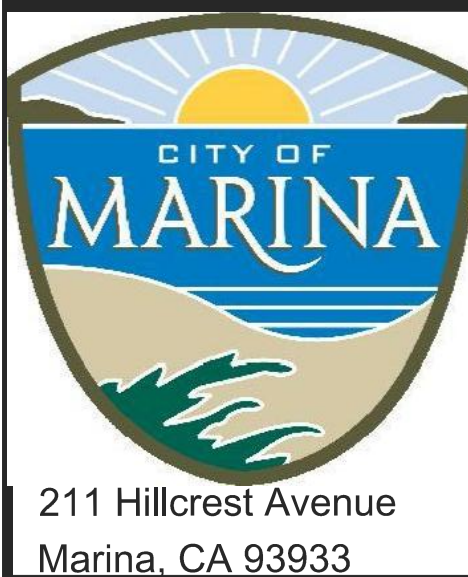
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- CONTRACTOR SHALL HAND DIG WHEN THE TRENCHING IS CLOSE TO THE EXISTING TREES, HEADERS, WALKS, IRRIGATION AND OTHER UTILITIES.
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SHEET NOTES:

- DUAL HEAD LEVEL 2 EV CHARGER OWNER FURNISHED CONTRACTOR INSTALLED (OFCI).
- SINGLE HEAD LEVEL 2 EV CHARGER OWNER FURNISHED CONTRACTOR INSTALLED (OFCI).
- STUB EV CAPABLE CONDUITS FROM PULLBOX UP TO FINISH GRADE AND CAP WITH A THREADED STEEL PLUG FOR FUTURE USE. COORDINATE EXACT LOCATION WITH ARCHITECT/CITY PRIOR TO STUBBING CONDUITS.
- FIXTURES TO BE SURFACE MOUNTED ON STRUCTURE BEAM. COORDINATE EXACT LOCATION WITH ARCHITECT AND PAVILION DRAWINGS AND INSTALLER.

CONDUIT SCHEDULE:

- (N) (2) 2" - EV CHARGER
- (N) (2) 2" - EV CAPABLE
- (N) (1) 2" - EV CAPABLE
- (N) (2) 2" - SPARE



CITY OF MARINA
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SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
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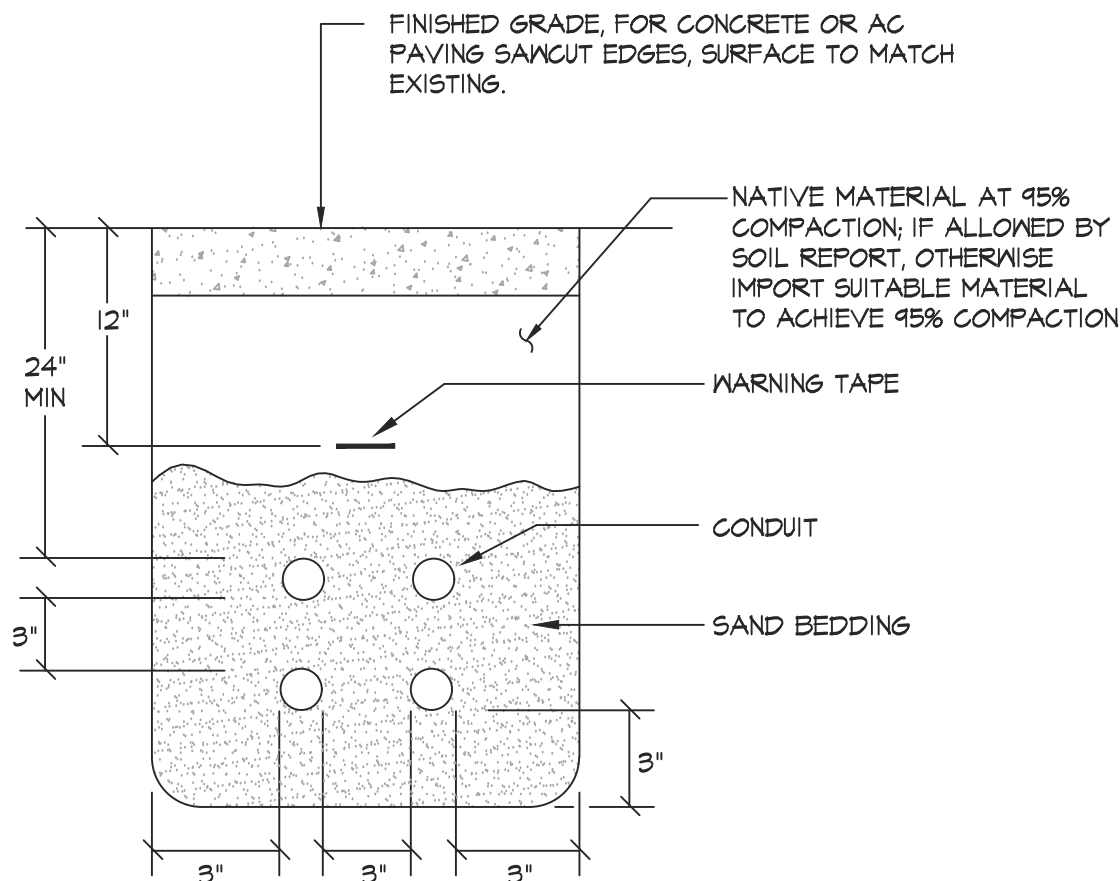


GLORIA JEAN TATE PARK IMPROVEMENTS
PHASE 2

ELECTRICAL PLANS

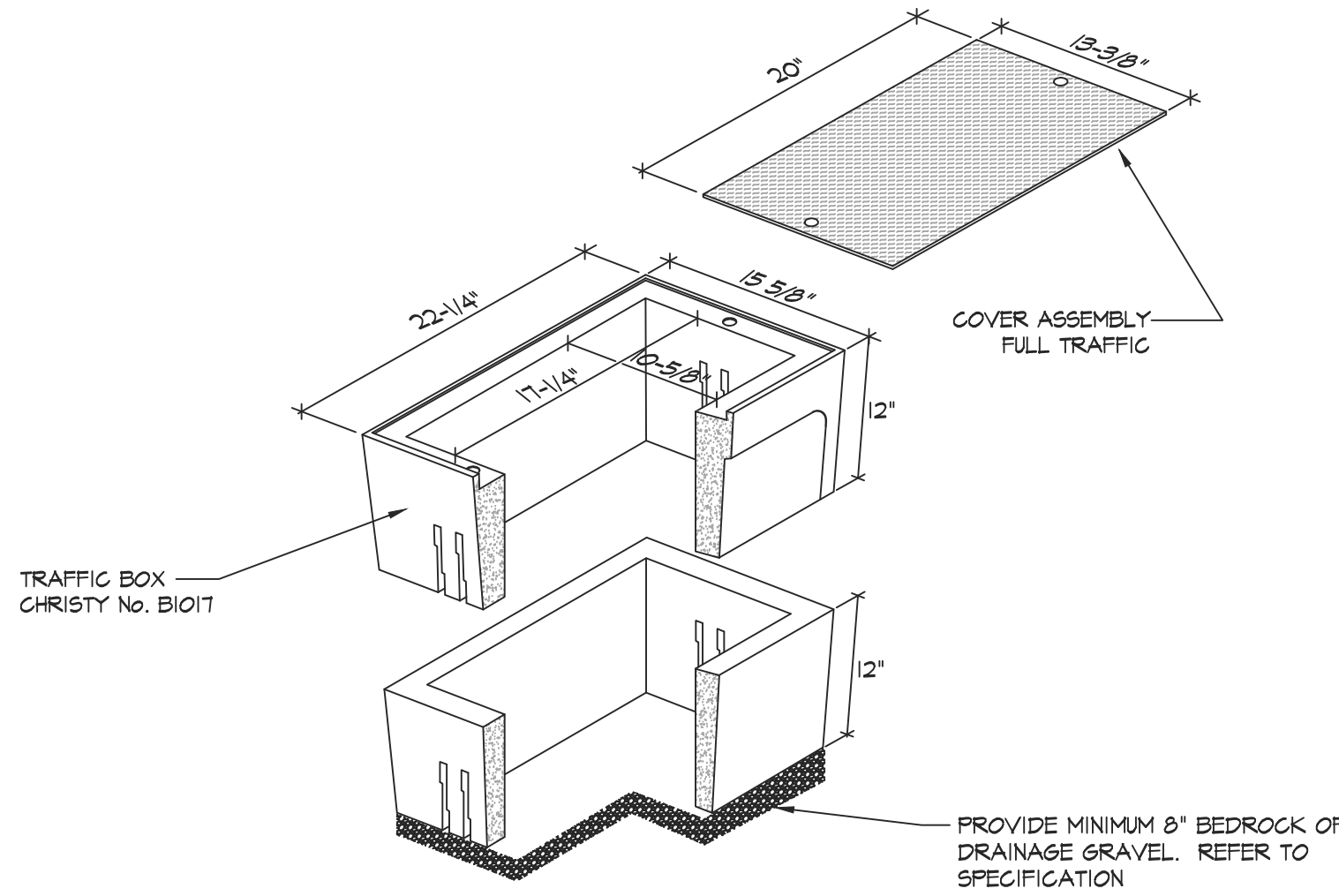
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AA	CN	SF/AA	QLP2119	E2.1	

VERDE DESIGN, INC. PROJECT NO. 2207300



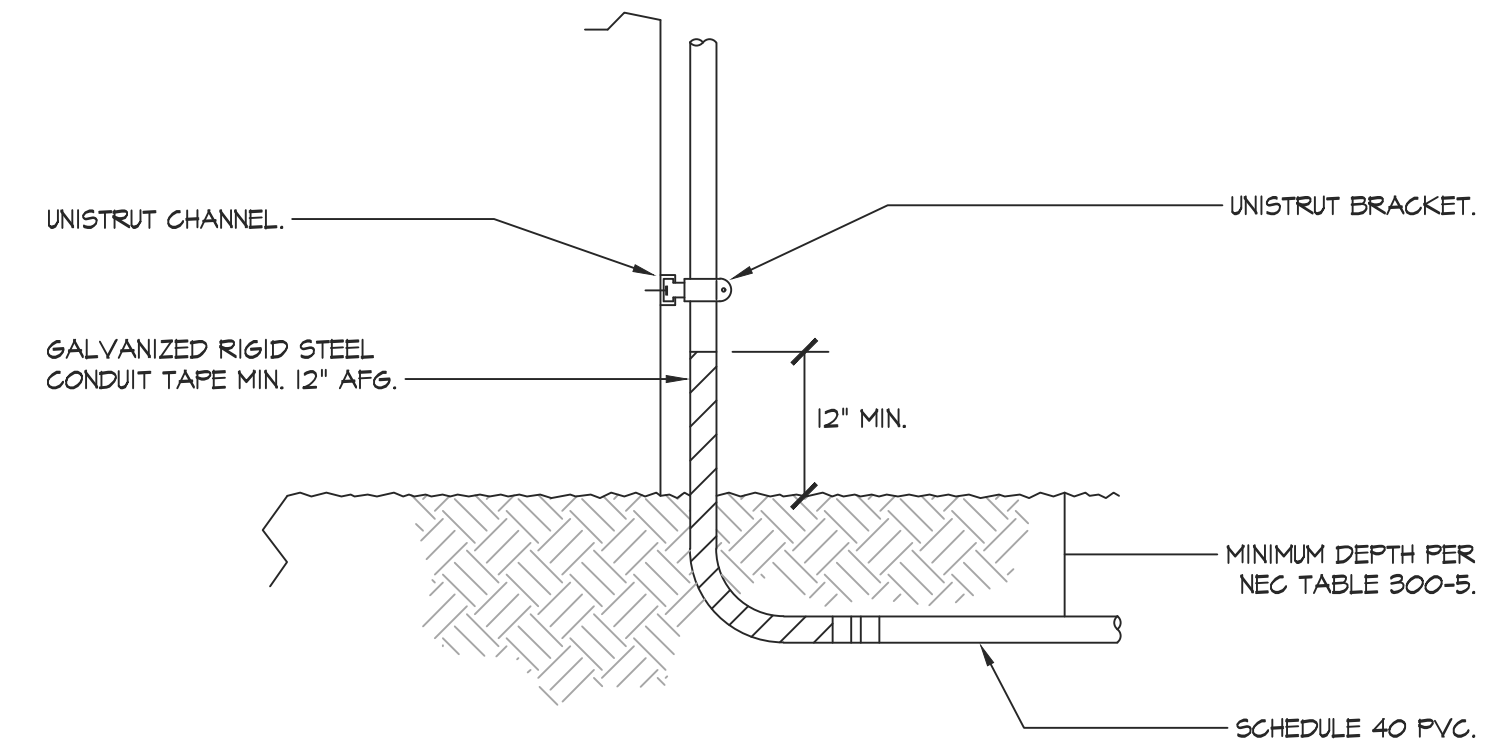
1. COORDINATE TRENCH CONDUIT LAYOUT WITH OTHER CONDUIT SYSTEMS.

1 **TYPICAL TRENCH DETAIL (ELECTRICAL)**
E4.1 NOT TO SCALE



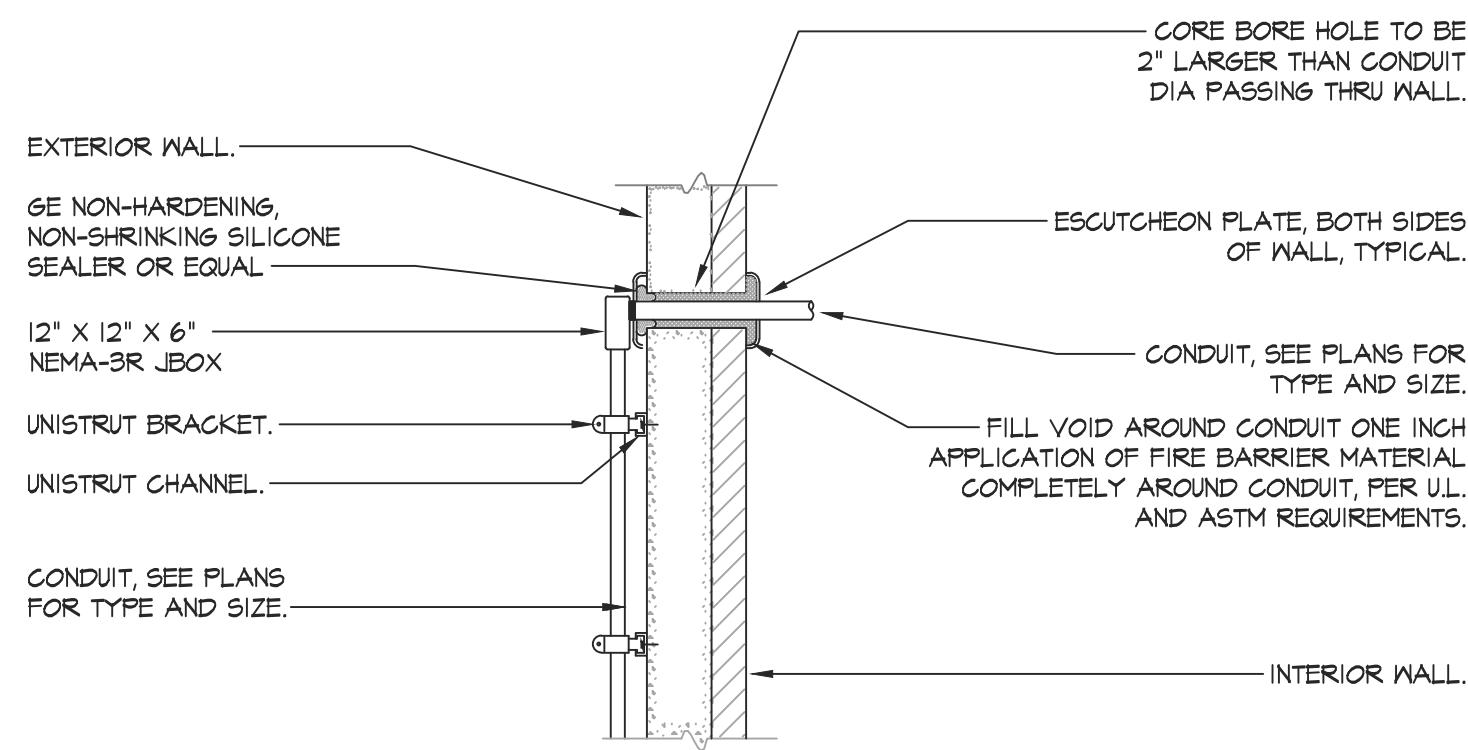
- NOTES:
1. HIGH DENSITY REINFORCED CONCRETE BOX WITH NON-SETTING SHOULDERS POSITIONED TO MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS SHOWN.
 2. ALL CONDUITS SHALL ENTER FROM SIDES OF FULL BOX. CONTRACTOR SHALL PROVIDE FULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE FULL BOX.
 3. CONTRACTOR SHALL STACK CONDUITS AS REQUIRED TO MEET THE NEC CODE REQUIREMENTS.
 4. PROVIDE BELL ENDS ON ALL CONDUIT.
 5. ALL PENETRATIONS INTO BOXES SHALL BE SEALED WITH GROUT.
 6. PROVIDE 4" DRAIN HOLE WITH MINIMUM 8" CRUSHED ROCK BEDDING AT BOTTOM OF BOX FOR DRAINAGE.

2 **B1017 ELECTRICAL VAULT**
E4.1 NOT TO SCALE (FULL TRAFFIC COVER)



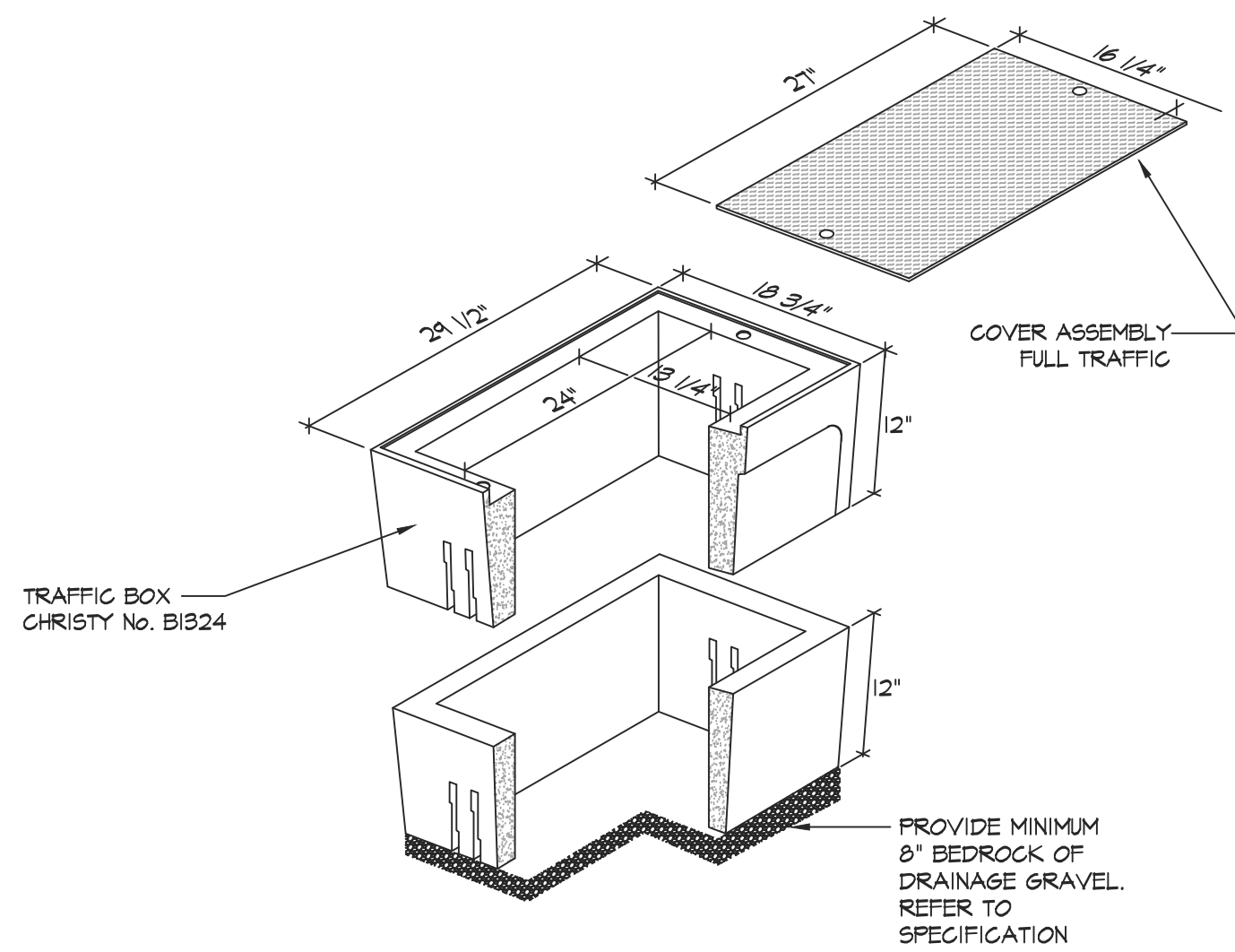
- NOTE:
1. FOR WOOD STUD WALL: USE 3/8" LAS BOLT WITH MIN. 3/4" EMBEDMENT INTO STUDS. (ONE AT EACH END OF BRACKET)
 2. FOR CONCRETE WALL: 1/2" HILTI KWIK-BOLT TZ STAINLESS STEEL ANCHOR (ICC ESR-1417) WITH MINIMUM EMBEDMENT OF 3-5/8" IN 4" DEEP HOLE. 1/2" ANCHORS SHALL BE TORQUE-TESTED TO 40 FT-LBS, WHICH MUST BE ATTAINED WITHIN ONE-HALF TURN OF NUT AFTER FIRM CONTACT WITH ANCHOR WASHER. INSTALL ANCHOR PER CBC 18B.1.1 AND RECOMMENDATIONS IN MANUFACTURER'S ESR REPORT. ANCHOR INSTALLATIONS REQUIRE SPECIAL INSPECTION. (TYPICAL OF (4) PER SECTION)

3 **UNDERGROUND CONDUIT RISER DETAIL**
E4.1 NOT TO SCALE



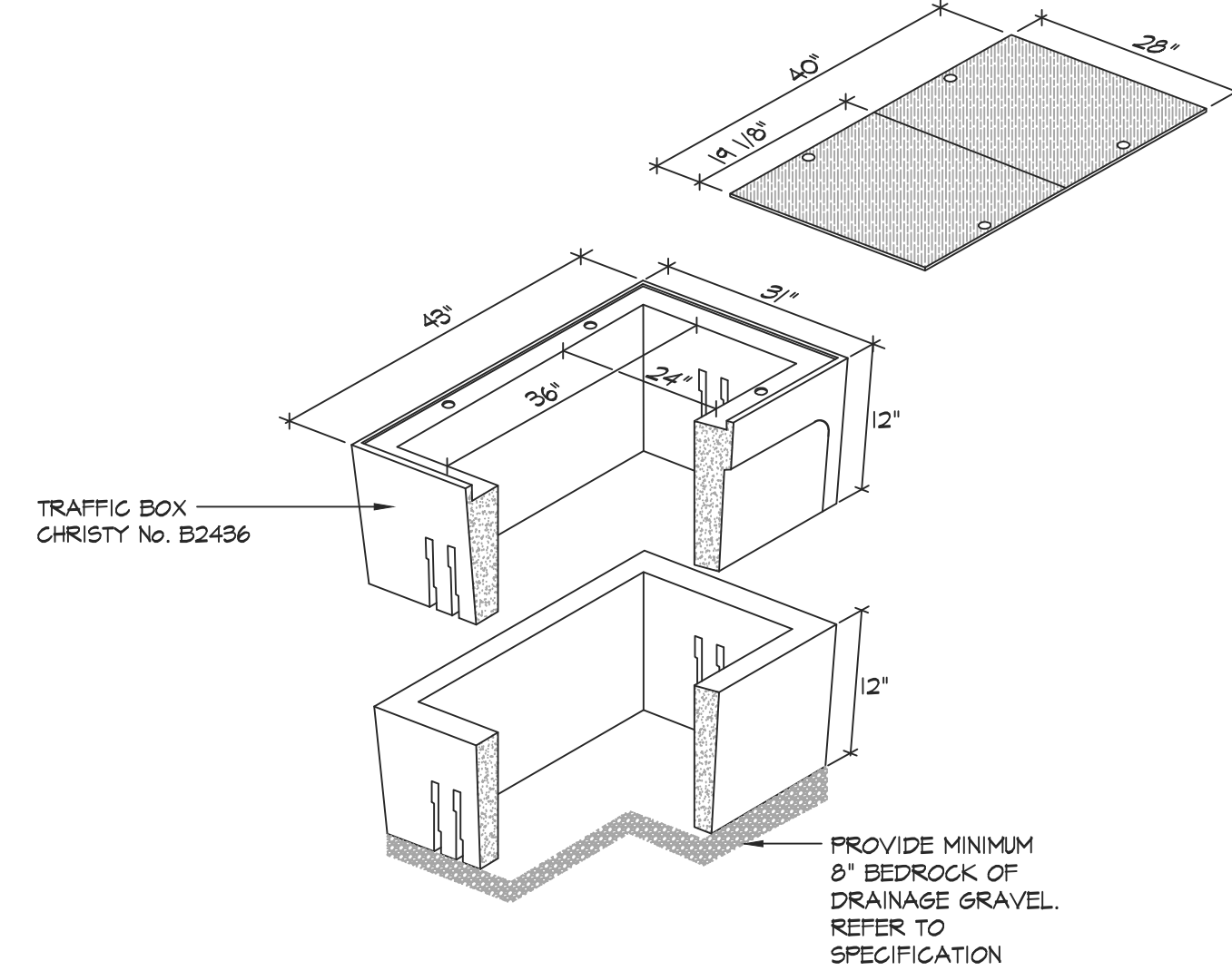
NOTE:
PER U.L. FIRE RESISTANCE DIRECTORY
SYSTEM #10002

4 **CONDUIT WALL PENETRATION DETAIL**
E4.1 NOT TO SCALE



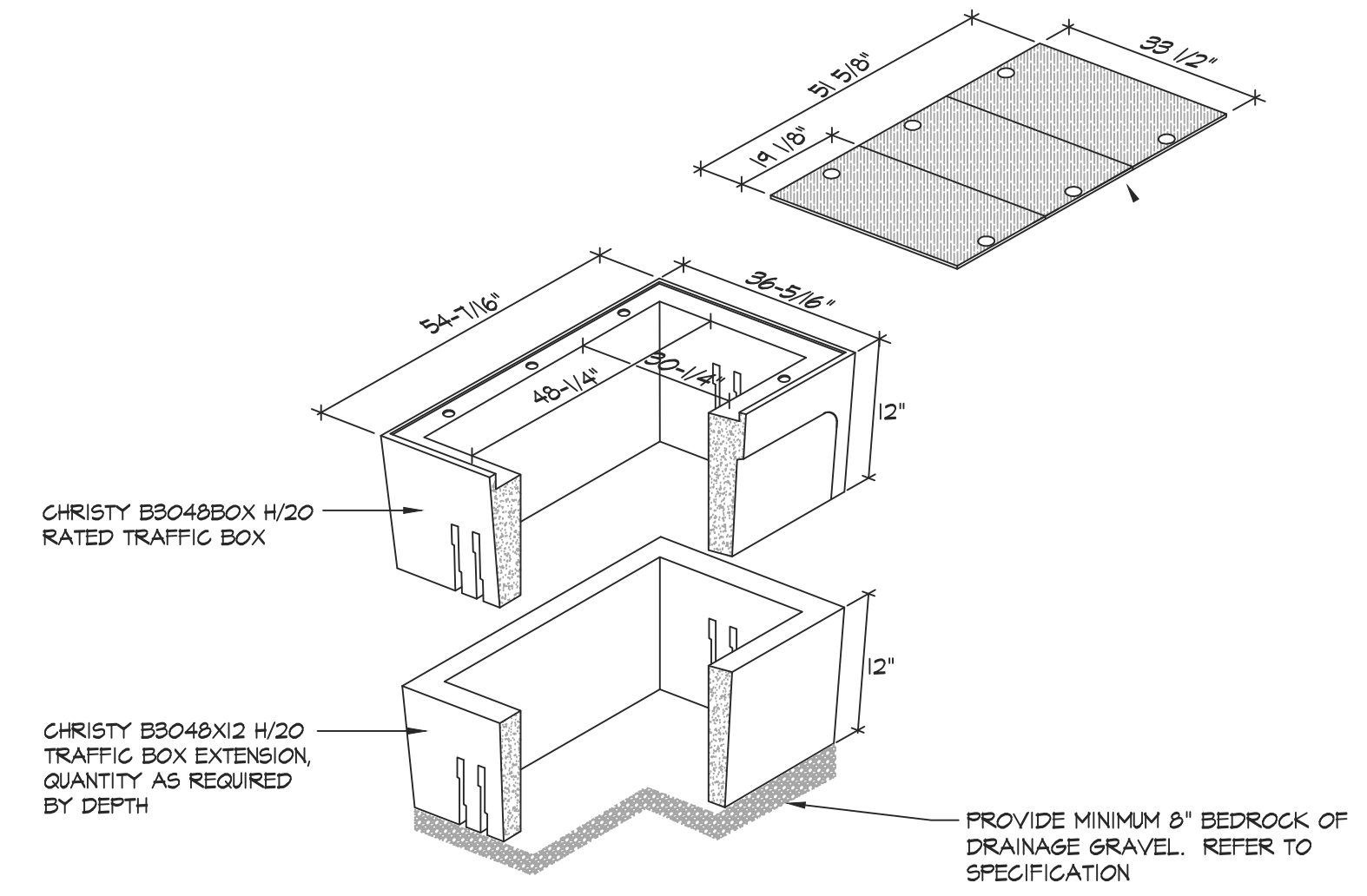
- NOTES:
1. HIGH DENSITY REINFORCED CONCRETE BOX WITH NON-SETTING SHOULDERS POSITIONED TO MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS SHOWN.
 2. ALL CONDUITS SHALL ENTER FROM SIDES OF FULL BOX. CONTRACTOR SHALL PROVIDE FULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE FULL BOX.
 3. CONTRACTOR SHALL STACK CONDUITS AS REQUIRED TO MEET THE NEC CODE REQUIREMENTS.
 4. PROVIDE BELL ENDS ON ALL CONDUIT.
 5. ALL PENETRATIONS INTO BOXES SHALL BE SEALED WITH GROUT.
 6. PROVIDE 4" DRAIN HOLE WITH MINIMUM 8" CRUSHED ROCK BEDDING AT BOTTOM OF BOX FOR DRAINAGE.

5 **B1324 ELECTRICAL VAULT**
E4.1 NOT TO SCALE (FULL TRAFFIC COVER)



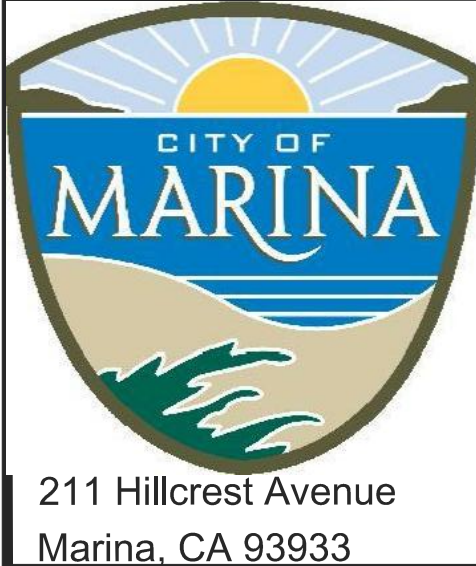
- NOTES:
1. HIGH DENSITY REINFORCED CONCRETE BOX WITH NON-SETTING SHOULDERS POSITIONED TO MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS SHOWN.
 2. ALL CONDUITS SHALL ENTER FROM SIDES OF FULL BOX. CONTRACTOR SHALL PROVIDE FULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE FULL BOX.
 3. CONTRACTOR SHALL STACK CONDUITS AS REQUIRED TO MEET THE NEC CODE REQUIREMENTS.
 4. PROVIDE BELL ENDS ON ALL CONDUIT.
 5. ALL PENETRATIONS INTO BOXES SHALL BE SEALED WITH GROUT.
 6. PROVIDE 4" DRAIN HOLE WITH MINIMUM 8" CRUSHED ROCK BEDDING AT BOTTOM OF BOX FOR DRAINAGE.

6 **B2436 ELECTRICAL VAULT**
E4.1 NOT TO SCALE (FULL TRAFFIC COVER)



- NOTES:
1. HIGH DENSITY REINFORCED CONCRETE BOX WITH NON-SETTING SHOULDERS POSITIONED TO MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS SHOWN.
 2. ALL CONDUITS SHALL ENTER FROM SIDES OF FULL BOX. CONTRACTOR SHALL PROVIDE FULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE FULL BOX.
 3. CONTRACTOR SHALL STACK CONDUITS AS REQUIRED TO MEET THE NEC CODE REQUIREMENTS.
 4. PROVIDE BELL ENDS ON ALL CONDUIT.
 5. ALL PENETRATIONS INTO BOXES SHALL BE SEALED WITH GROUT.
 6. PROVIDE 4" DRAIN HOLE WITH MINIMUM 8" CRUSHED ROCK BEDDING AT BOTTOM OF BOX FOR DRAINAGE.
 7. ALL VAULT IN TRAFFIC LANES SHALL BE H520-44 RATED WITH TOP OF COVER LABELED 'H520-44' RATINGS.

7 **B3048 ELECTRICAL VAULT**
E4.1 NOT TO SCALE (FULL TRAFFIC COVER)



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE:SEE PLAN

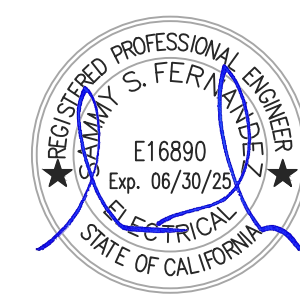
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

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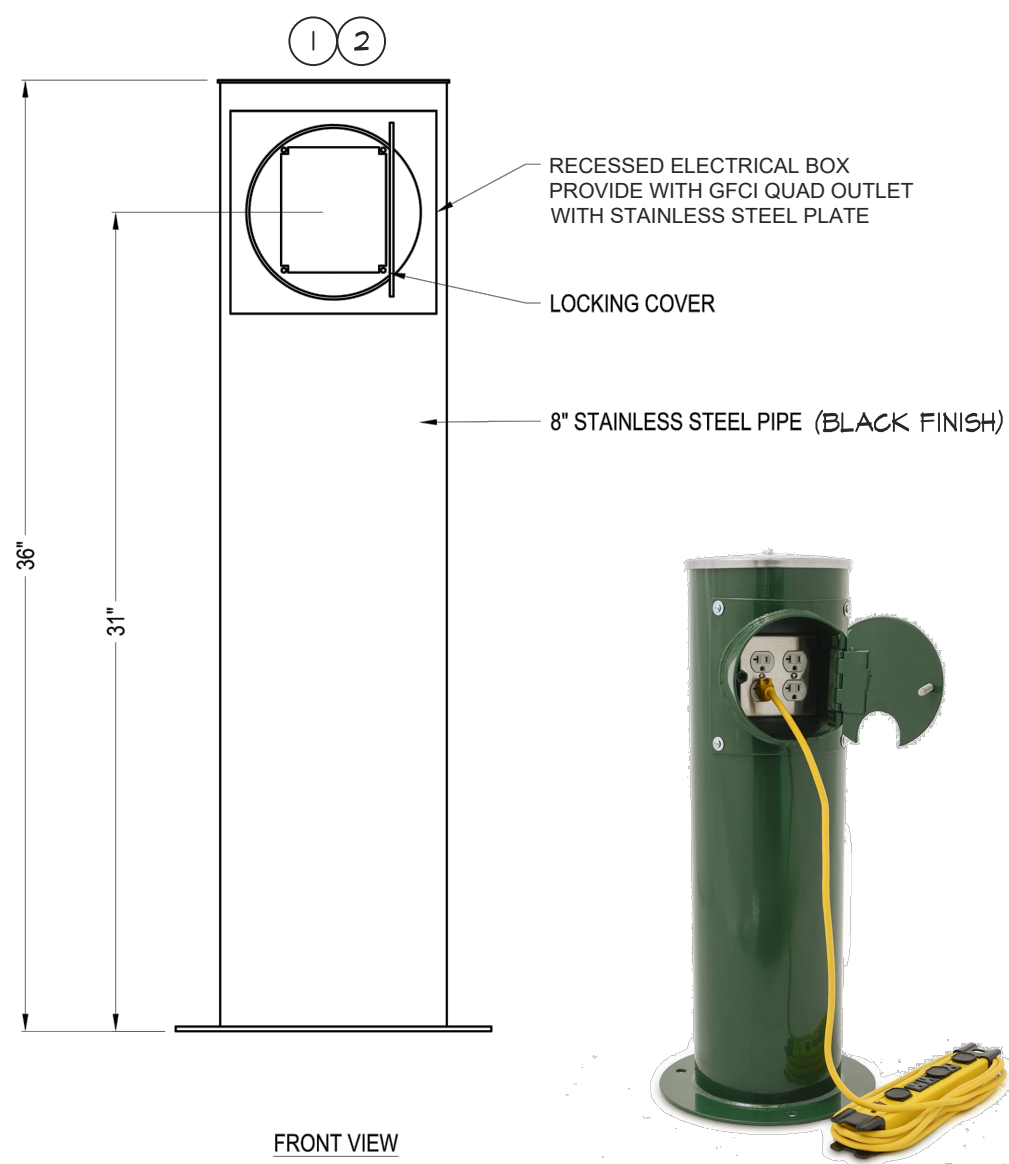


GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

ELECTRICAL DETAILS

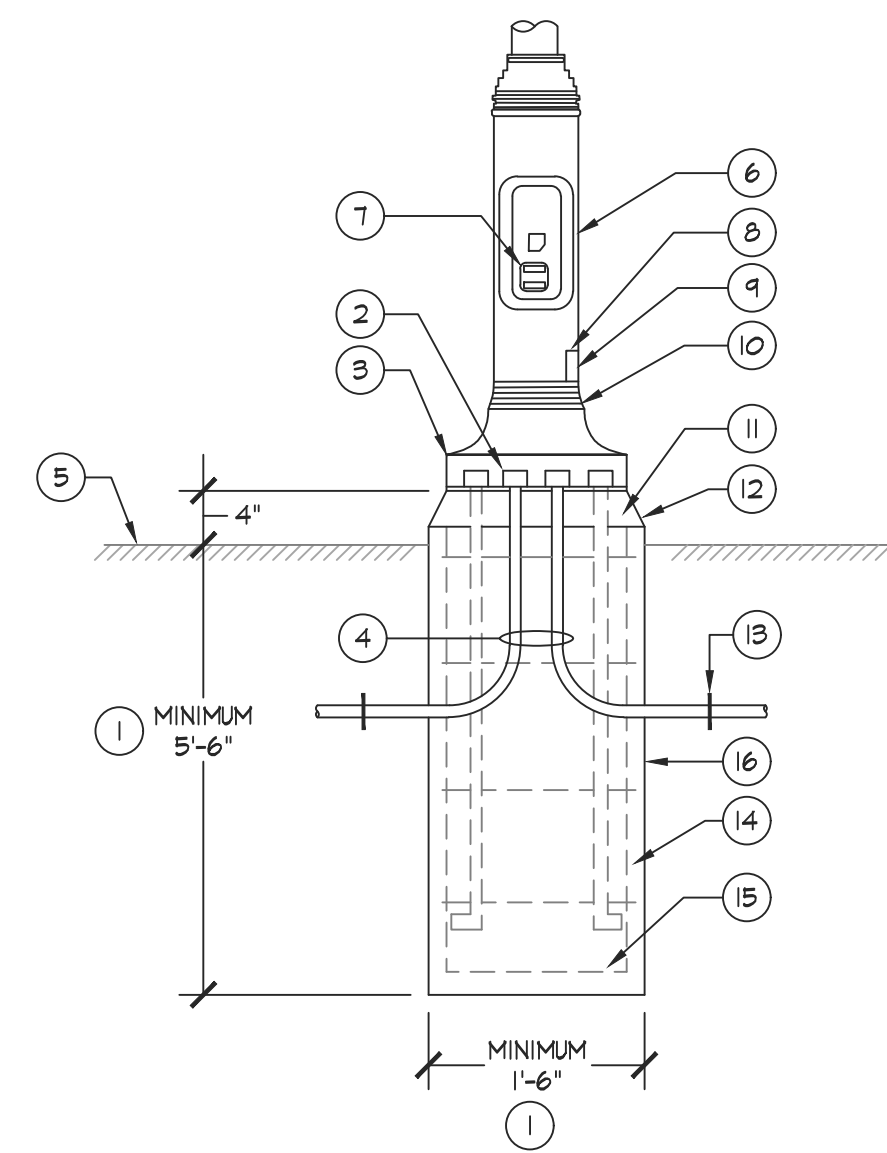
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AA	CN	SF/AA	QLP2119	E4.1	

VERDE DESIGN, INC. PROJECT NO. 2207300



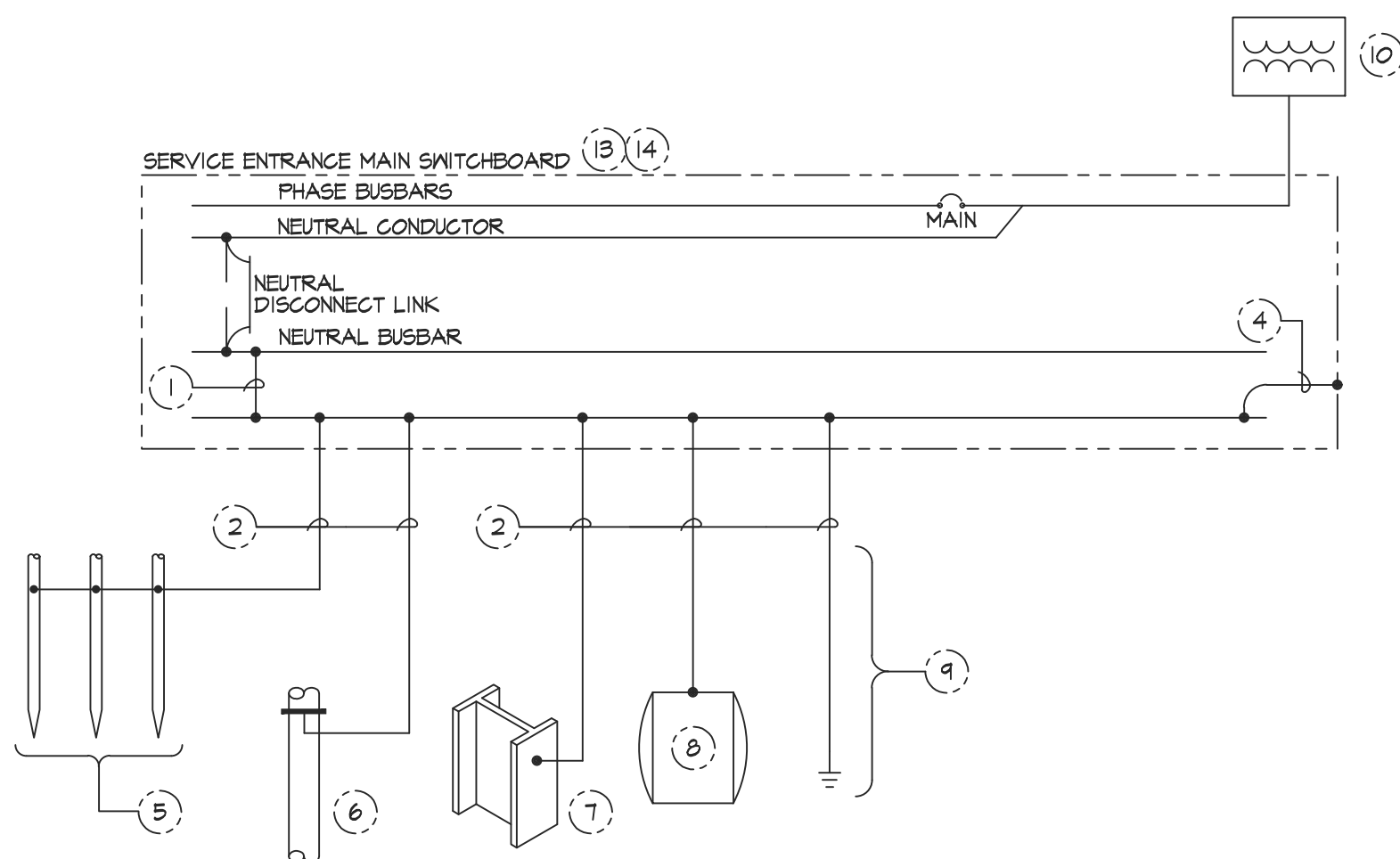
- NOTES:
- 1 INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - 2 MOST DEPENDABLE FOUNTAINS PART # MDF-40 SM65 WITH BLACK FINISH ELECTRICAL BOLLARD. VERIFY EXACT MODEL WITH LANDSCAPE ARCHITECT.
 - 3 REFER TO LANDSCAPE/ STRUCTURAL DRAWINGS FOR CONCRETE BASE AND ANCHORAGE DETAIL F, SHEET D2.4.

1
E4.2
ELECTRIC BOLLARD DETAIL
SCALE: NONE



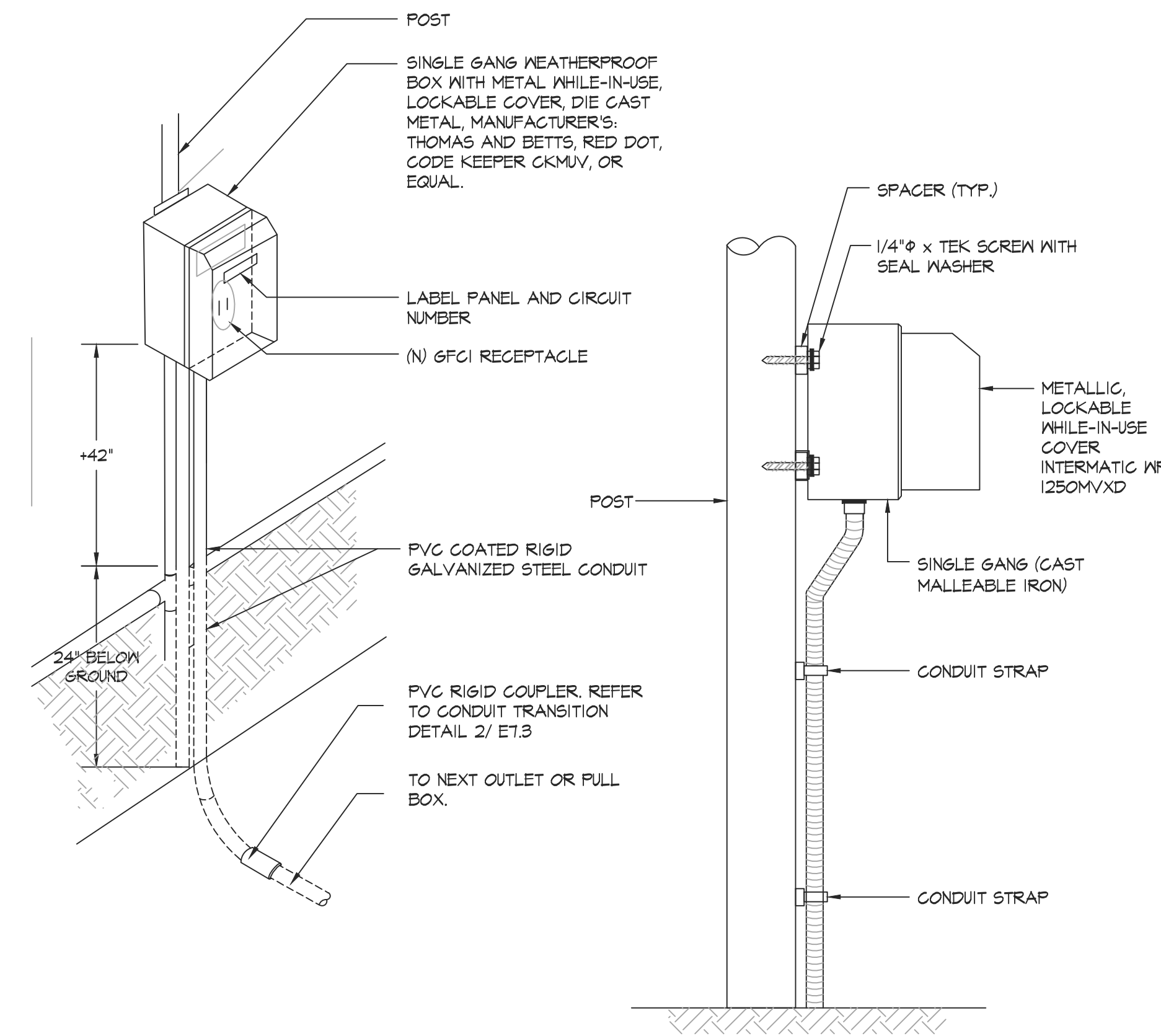
- 1 CONTRACTOR SHALL ENSURE FOUNDATION DESIGNER, POLE BASE FOUNDATION & REBAR SHALL BE DESIGNED BY QUALIFIED FOUNDATION DESIGNER WHO IS FAMILIAR WITH SOIL CONDITIONS AND POLE LOADING.
- 2 CAP CONDUITS. (BEFORE POURING CONCRETE)
- 3 BASE COVER.
- 4 RIGID STEEL ELBOWS WRAP WITH PVC TAPE OVERLAP 50%.
- 5 FINISH GRADE.
- 6 LUMINAIRE POLE.
- 7 HAND HOLE.
- 8 GROUNDING LUG.
- 9 GROUND CONDUCTOR.
- 10 BUSHING.
- 11 ANCHOR BOLTS - VERIFY BOLT SIZE & BOLT CIRCLE WITH POLE MANUFACTURER.
- 12 GROUT.
- 13 PVC SCH40 FROM RIGID STEEL ELBOWS TO NEXT POLE. (SEE PLAN)
- 14 TIES REBAR, (#4 GRADE 40 MINIMUM)
- 15 TIES REBAR, (#4 GRADE 40 MINIMUM)
- 16 CONCRETE BASE, MINIMUM 3500 PSI. (COMPRESSIVE STRENGTH - 28 DAYS MINIMUM)

2
E4.2
FLUSH POLE BASE DETAIL
NOT TO SCALE



- NOTES:
- 1 MAIN BONDING JUMPER. MAIN BONDING JUMPER SHALL BE SIZED PER 250.28(D).
 - 2 GROUNDING ELECTRODE CONDUCTOR. GROUNDING ELECTRODE CONDUCTOR SHALL BE BARE OR INSULATED COPPER AND SHALL BE SIZED PER TABLE 250.66.
 - 3 NOT USED.
 - 4 EQUIPMENT BONDING JUMPER. EQUIPMENT BONDING JUMPER SHALL BE INSULATED COPPER AND SHALL BE SIZED PER TABLE 250.122.
 - 5 PROVIDE A MINIMUM OF (3) GROUND RODS. GROUND RODS SHALL BE 10' LONG BY 3/4" DIAMETER COPPERCLAD. GROUND RODS SHALL BE SPACED A MINIMUM OF 10' APART. GROUNDING ELECTRODE CONDUCTOR SHALL BE BONDED TO THE GROUND ROD VIA EXOTHERMIC WELD. GROUND RODS SHALL BE INSTALLED IN A ROUND BOX. SEE DETAIL FOR BOX/INSTALLATION REQUIREMENTS.
 - 6 PROVIDE GROUNDING ELECTRODE CONDUCTOR CONNECTION TO THE NEAREST UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH EARTH FOR A MINIMUM OF 10 FEET. WATER PIPE SHALL BE ELECTRICALLY CONTINUOUS TO POINTS OF CONNECTION OF THE GROUNDING ELECTRODE CONDUCTOR. CONNECTION POINT SHALL NOT BE GREATER THAN 5' FROM THE POINT OF ENTRANCE OF THE UNDERGROUND WATER PIPE.
 - 7 PROVIDE GROUNDING ELECTRODE CONDUCTOR CONNECTION TO THE NEAREST METAL FRAME OR STRUCTURAL STEEL.
 - 8 PROVIDE GROUNDING ELECTRODE CONDUCTOR CONNECTION TO ALL OTHER LOCAL METAL UNDERGROUND SYSTEMS OR STRUCTURES, AS REQUIRED WHEN AVAILABLE.
 - 9 PROVIDE A CONCRETE ENCASED ELECTRODE (UFER) IN AND NEAR THE BOTTOM OF THE MAIN SWITCHBOARD PAD, STRUCTURAL FOOTING OR SLAB ON GRADE THAT IS IN DIRECT CONTACT WITH EARTH. THE ELECTRODE SHALL BE A MINIMUM OF 20 FEET LONG INSIDE THE PAD, FOOTING OR SLAB. THE ELECTRODE CONDUCTOR SHALL BE BARE COPPER AND SIZED PER TABLE 250.66 BUT SHALL NOT BE LESS THAN 1/2 INCH.
 - 10 MAIN UTILITY TRANSFORMER SHALL BE GROUNDED PER THE REQUIREMENTS OF THE UTILITY COMPANY.
 - 11 NOT USED.
 - 12 PROVIDE GROUNDING ELECTRODE CONDUCTOR CONNECTION TO THE SECONDARY SIDE OF ALL WYE CONNECTED BUILDING TRANSFORMERS. GROUNDING ELECTRODE CONDUCTOR MAY BE CONNECTED TO THE NEAREST STRUCTURAL STEEL OR THE MAIN SERVICE GROUNDING ELECTRODE ONLY. SEE TRANSFORMER GROUNDING DETAIL FOR ADDITIONAL REQUIREMENTS.
 - 13 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL GROUNDING AND BONDING AS REQUIRED PER THE GEC.
 - 14 SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

4
E4.2
MAIN SERVICE GROUNDING DETAIL
NOT TO SCALE



3
E4.2
RECEPTACLE MOUNTING DETAIL
NOT TO SCALE



CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE:SEE PLAN
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS
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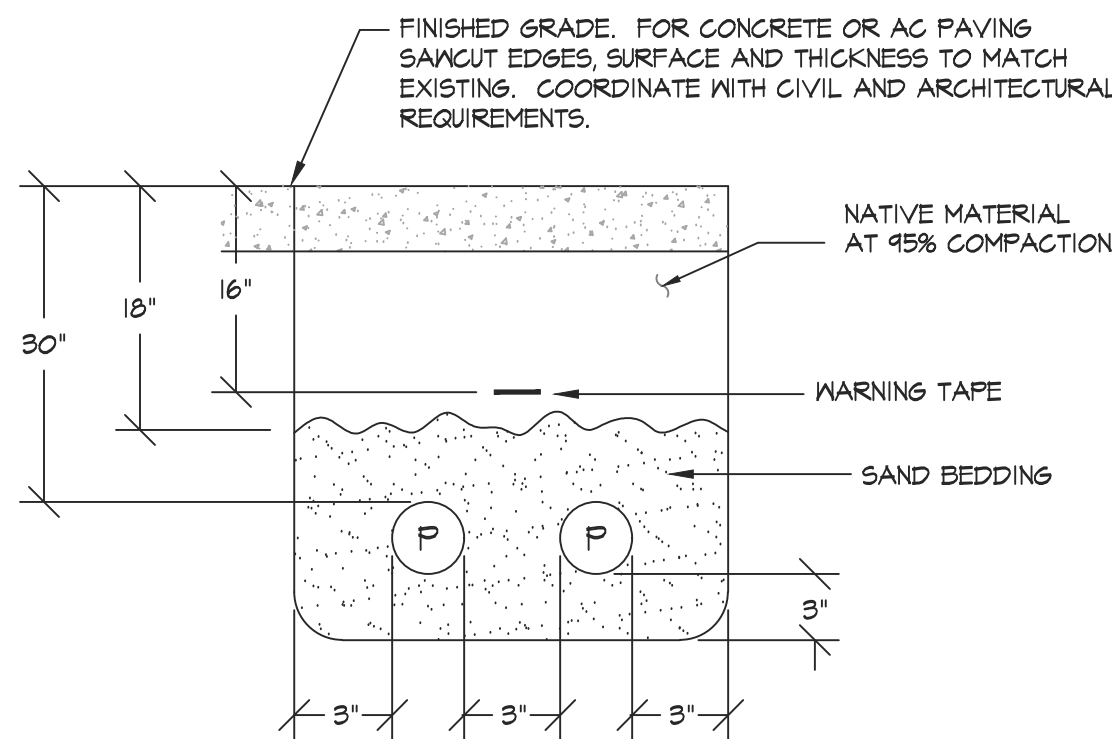


GLORIA JEAN TATE PARK IMPROVEMENTS
PHASE 2

ELECTRICAL DETAILS

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
AA	CN	SF/AA	QLP2119	E4.2	

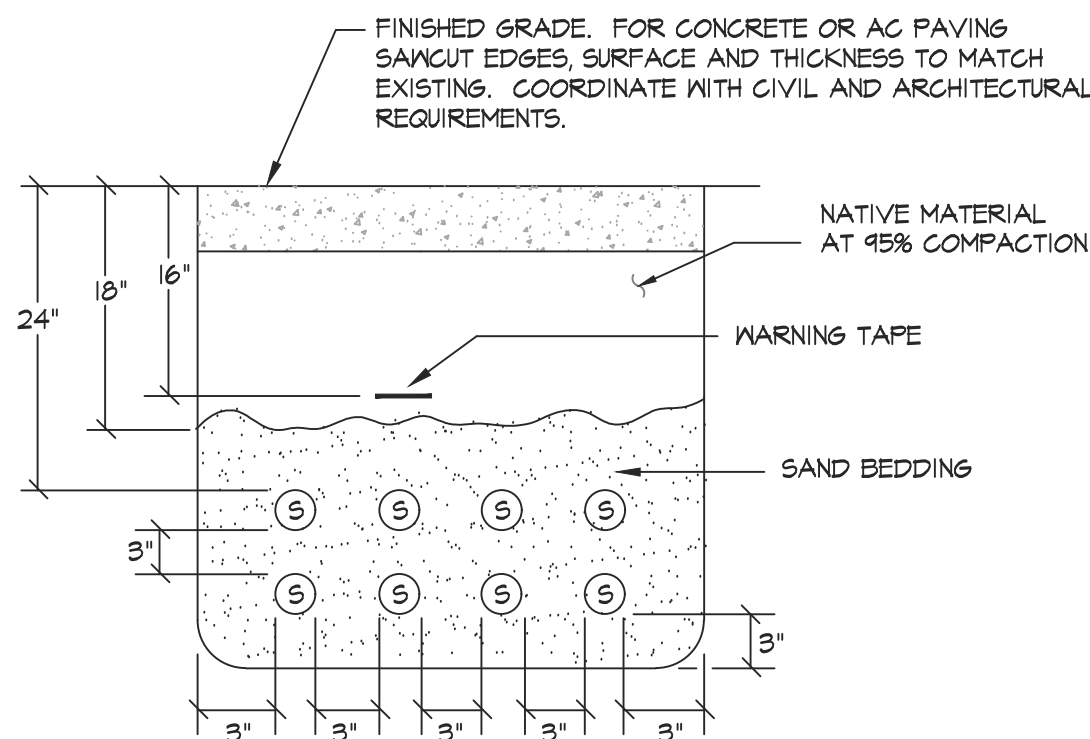
VERDE DESIGN, INC. PROJECT NO. 2207300



1. TRENCH PER PG&E STANDARDS
2. WHEN TRENCHING ACROSS PUBLIC STREET, CONTRACTOR TO COMPLY WITH GREEN BOOK AND PROVIDE ADDITIONAL TRENCH DEPTH AS REQUIRED.
P - PRIMARY

**PG&E TRENCH
DETAIL PRIMARY SIDE**

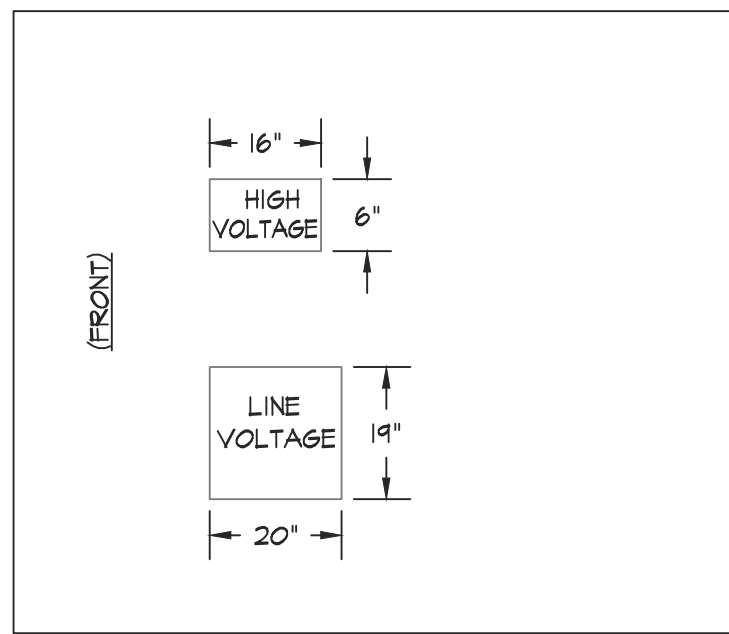
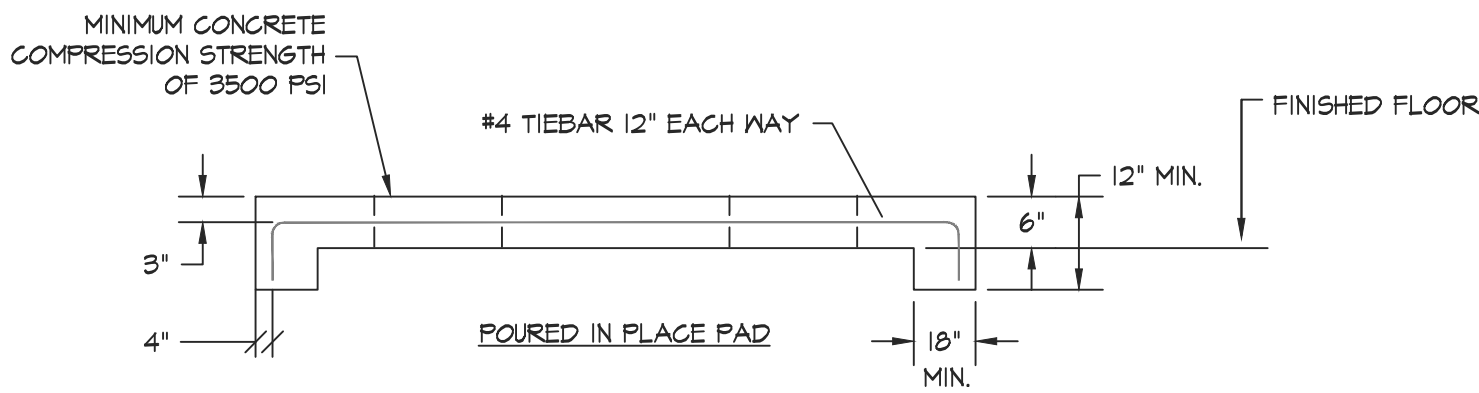
1
E4.3
NOT TO SCALE



1. TRENCH PER PG&E STANDARDS
S - SECONDARY

**PG&E TRENCH
DETAIL SECONDARY SIDE**

2
E4.3
NOT TO SCALE



MINIMUM PAD SIZE: U.O.N. STYLE III

PAD SHALL CONFORM TO ALL REQUIREMENTS OF UTILITY "PG&E". THE CONTRACTOR SHALL CONSTRUCT THE PAD PER THE CONSTRUCTION DETAILS FOR STYLE III PAD AS SPECIFIED IN THE PG&E GREEN BOOK'S "CONCRETE PAD FOR THREE PHASE LOOP-STYLE PAD-MOUNTED TRANSFORMERS" SECTION. REFER TO PG&E CONTRACTOR DOCUMENTS FOR FINAL REQUIREMENTS.

TRANSFORMER PAD DETAIL

3
E4.3
SCALE: NOT TO SCALE



American Consulting Engineers
Electrical, Inc.

1590 The Alameda, Suite 200
San Jose, CA 95126
JOB # E4.3.133

408/236-2312
Fax: 408/236-2316



CITY OF
MARINA

211 Hillcrest Avenue
Marina, CA 93933

CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS

SCALE:SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

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VERDE DESIGN

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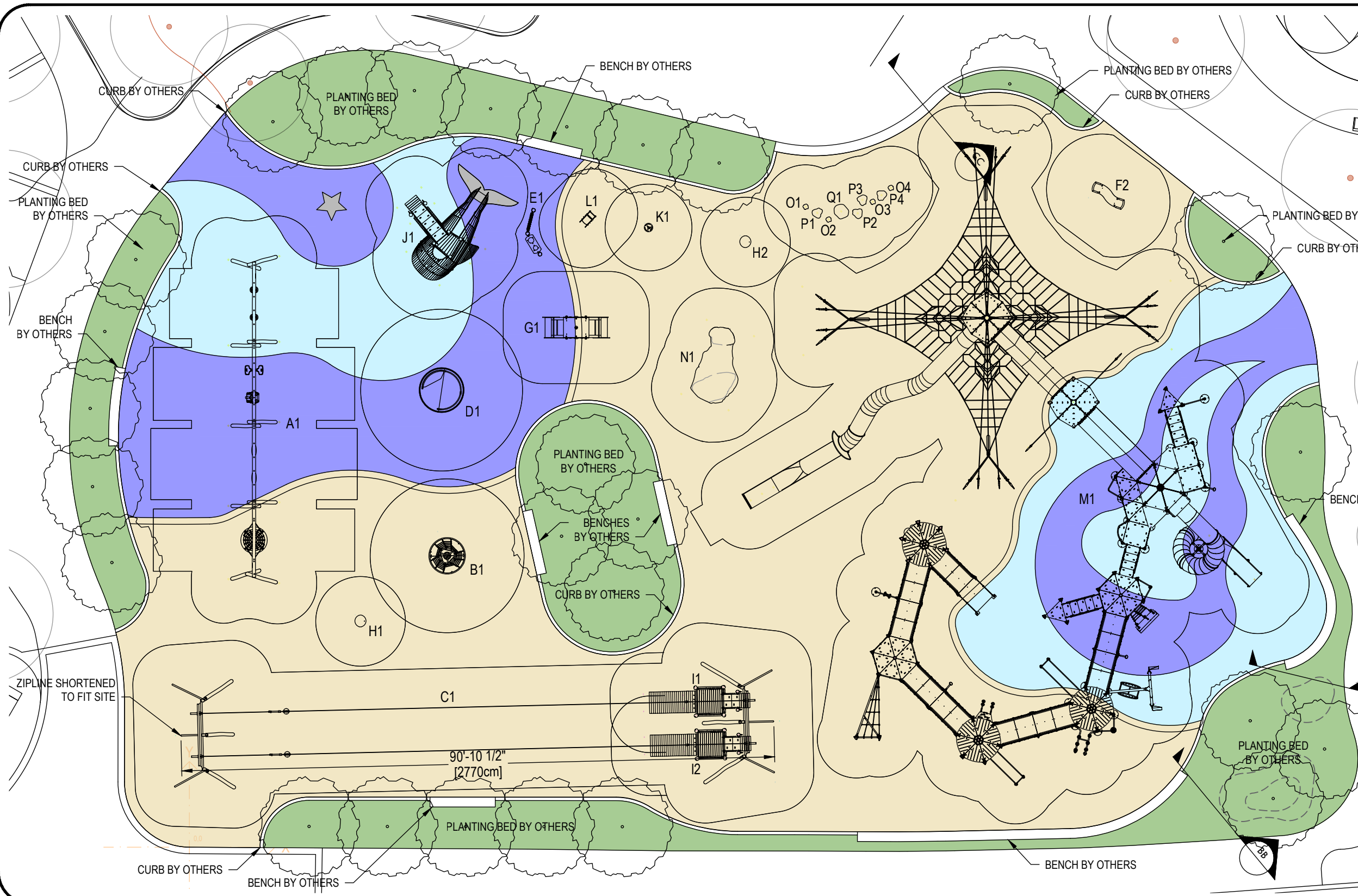


GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2

ELECTRICAL DETAILS

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	SHEET	OF
AA	CN	SF/AA	QLP2119	E4.3	

VERDE DESIGN, INC. PROJECT NO. 2207300



EQUIPMENT FURNISHING AND
INSTALLATION BY OTHERS. PLANS
ARE FOR INFORMATION AND
WORK COORDINATION ONLY.

SURFACING TOTALS	
TOTAL PLAYGROUND AREA: 16,806 SF	
EWF SAFETY SURFACING: 11,082 SF	
PIP TOTAL: 5724 SF + 220 LF TURNDOWN	LIGHT BLUE PIP SAFETY SURFACING: 2,667 SF + 120 LF TURNDOWN @ APPX 12" (SEE MANUFACTURER DETAIL)
	DARK BLUE PIP SAFETY SURFACING: 3,030 SF + 100 LF TURNDOWN @ APPX 12" (SEE MANUFACTURER DETAIL)
	GRAY PIP SAFETY SURFACING: 27 SF

6-INCH OFFSET BETWEEN BORDER AND USE ZONE
REFLECTS INDUSTRY BEST PRACTICE TO
ACCOMMODATE REAL WORLD CONSTRUCTION
TOLERANCES. FAILURE TO DO SO CAN RESULT IN
NON-COMPLIANT INSTALLATION CONDITIONS I.E. ASTM
& CPSC.

USE ZONES MUST BE CLEAR OF ALL OBSTRUCTIONS.

PLAYGROUND SITE MUST MEET SURFACING
REQUIREMENTS AS PER ASTM F1292

STEPPING FORMS FOR 5-12 AGE GROUP SHALL BE NO
GREATER THAN 18" FROM EDGE TO EDGE PER
ASTM1487.8.15.6

ADA ACCESSIBLE PATH TO SITE IS REQUIRED, PER
2010 ADA STANDARDS (SECTION 206)

QUALIFYING ADA RAMP FOR ACCESSIBLE PATH
TRANSITION INTO PLAY AREAS WITH ACCESSIBLE
LOOSE FILL SURFACING IS REQUIRED. MAINTENANCE
OF SURFACING IS THE RESPONSIBILITY OF THE SITE
OWNER/OPERATOR.

#	Product Number	Product Name	M.F.H.	Count
A	NRO899348	Custom 4-Bay Swing	7' 9"	1
B	COR203301-xx12	Inclusive Twister	7' 4"	1
C	NRO883-xx01	Double Zipline, Flat Space	6' 11"	1
D	PCM157-xx03	Universal Carousel	1' 3"	1
E	NRO613-xx01	Music Play Panel 2	0' 0"	1
F	GXY935000-xx17	Starsurfer	2' 4"	1
G	M18701-xxP	Ocean Seesaw	3' 3"	1
H	ELE400024-xx17BL	Spinner Bowl	2' 0"	2
I	NRO899793	Zipline Platform	2' 11"	2
J	KRS8200553	Robinia Baby Whale	4' 10"	1
K	ELE400158-xx17F	Junior Spica	0' 7"	1
L	PCM103-xx01	Dolphin	1' 4"	1

#	Product Number	Product Name	M.F.H.	Count
M	KNS8500326C+PCTG200715	Custom Ocean Giant & Skywalk	9' 4"	1
N	CB005	IDS Sandstone Arch	5' 10"	1
O	SF-002-SM	IDS Stepping Rock- Small	1' 6"	4
P	SF-002-MD	IDS Stepping Rock- Medium	1' 6"	4
Q	SF-002-LG	IDS Stepping Rock- Large	1' 6"	1

Glorya Jean Tate Playground

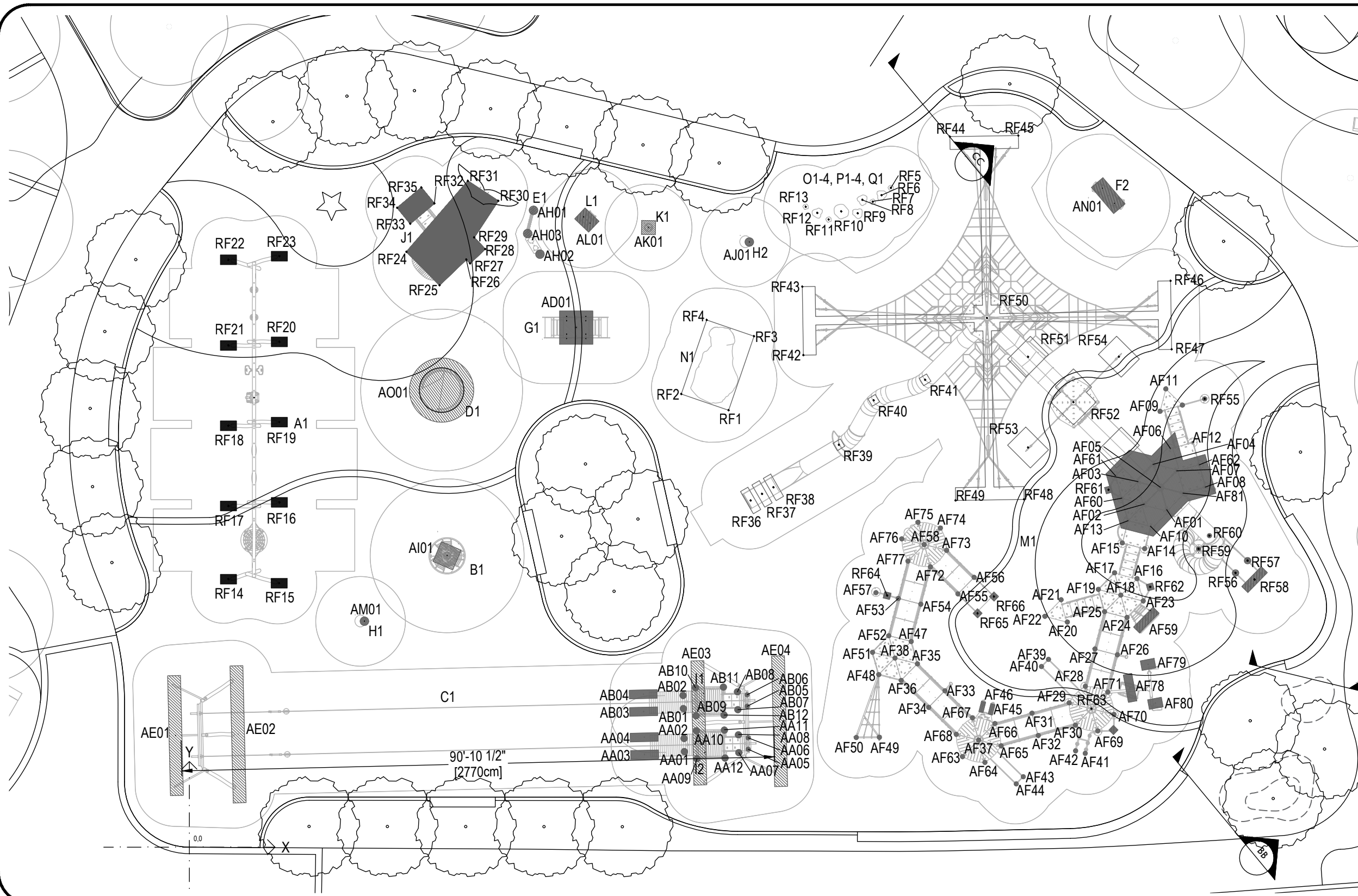
Marina, CA
Site Plan



MANUFACTURER'S SHOP DRAWING:
FOR USE BY CONTRACTOR, ENGINEER, OR DESIGN PROFESSIONAL OF RECORD. SEE SIGNED SALES PROPOSAL FOR
COMPLETE SCOPE TO BE PROVIDED BY KOMPAN OR REPRESENTING AGENCY. CONFIRM FINAL PLAN AND SCOPE WITH
KOMPAN SALES REP OR PROJECT MANAGER PRIOR TO USE FOR REVIEW, PERMITTING, OR CONSTRUCTION.
TO BE READ CONTINGENTLY WITH KOMPAN'S STANDARDS FOR SITE PREPARATION, MATERIALS AND INSTALLATION
PROCESSES. PROVIDED AFTER EQUIPMENT PURCHASE. A COMPLIANT PLAYGROUND TO KOMPAN'S STANDARDS MUST
SATISFY ALL REQUIREMENTS IN THE CODE OF CONDUCT.
SLAB BY OTHERS UNLESS OTHERWISE NOTED. FOR SURFACE MOUNT OPTIONS, THE CONCRETE REQUIREMENTS MAY BE
UP TO 50% OF 3,500 PSI MINIMUM COMPRESSIVE STRENGTH. CONTACT KOMPAN FOR SPECIFIC PRODUCT REQUIREMENTS.
ALL COMPOSITE STRUCTURES SHOWN REQUIRE A SITE GRADE OF 2% MAXIMUM, 1% OPTIMAL. SPECIFICATIONS FOR
EACH KOMPAN STRUCTURE MAY BE FOUND AT KOMPAN.COM/KOMPANMASTER
DIMENSIONS OF PLAY AREA, SIZE AND ORIENTATION, LOCATIONS OF ALL EXISTING UTILITIES, EQUIPMENT AND SITE
FURNISHINGS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
PREPARED AND PRINTED IN USA BY KOMPAN © 2024 KOMPAN, INC. AUSTIN, TX. USA 800-426-9788

SALES REPRESENTATIVE Doris Harpain			SHEET K1.0	
REVIEW BY DESIGN	DRAWN BY JulLem	DATE -	REVISION NOTES Layout & Surfacing	
REV. NO. 5	REV. BY JulLem	REV. DATE 01 May 24		

LAYOUT IS IN ACCORDANCE WITH ASTM F1487



Product no.					Product no.				
Number	X	Y	Detail no.		Number	X	Y	Detail no.	
RF1	327'	6611'	See Install Docs		AF01	1498'	519'	CP Surface point	
RF2	794'	695'	See Install Docs		AF02	1463'	527'	CP Surface point	
RF3	895'	723'	See Install Docs		AF03	1454'	560'	CP Surface point	
RF4	1793'	809'	See Install Docs		AF04	14710'	580'	CP Surface point	
RF5	1075'	1010'	See Install Docs		AF05	1489'	551'	CP Surface point	
RF6	1060'	9911'	See Install Docs		AF06	1503'	511'	CP Surface point	
RF7	1048'	9811'	See Install Docs		AF07	1513'	578'	CP Surface point	
RF8	1031'	992'	See Install Docs		AF08	1557'	552'	CP Surface point	
RF9	1024'	971'	See Install Docs		AF09	1489'	669'	Digging Hole, 1	
RF10	9910'	975'	See Install Docs		AF10	1473'	492'	CP Surface point	
RF11	9711'	952'	See Install Docs		AF11	1497'	702'	Digging Hole, 1	
RF12	962'	972'	See Install Docs		AF12	1539'	620'	CP Surface point	
RF13	1455'	981'	See Install Docs		AF13	1435'	309'	CP Surface point	
RF14	511'	410'	Digging Hole, 26		AF14	1464'	459'	Digging Hole, 1	
RF15	139'	405'	Digging Hole, 26		AF15	14211'	467'	Digging Hole, 1	
RF16	139'	5210'	Digging Hole, 26		AF16	1452'	412'	Digging Hole, 1	
RF17	511'	523'	Digging Hole, 26		AF17	1419'	420'	Digging Hole, 1	
RF18	511'	647'	Digging Hole, 26		AF18	1428'	387'	Digging Hole, 1	
RF19	139'	651'	Digging Hole, 26		AF19	1393'	398'	Digging Hole, 1	
RF20	139'	775'	Digging Hole, 26		AF20	1345'	349'	Digging Hole, 1	
RF21	511'	7610'	Digging Hole, 26		AF21	1336'	3711'	Digging Hole, 1	
RF22	511'	907'	Digging Hole, 26		AF22	1311'	354'	Digging Hole, 1	
RF23	139'	905'	Digging Hole, 26		AF23	1461'	379'	Digging Hole, 1	
RF24	133'	913'	See Install Docs		AF24	1438'	352'	Digging Hole, 1	
RF25	183'	861'	See Install Docs		AF25	1402'	361'	Digging Hole, 1	
RF26	129'	900'	See Install Docs		AF26	1422'	295'	Digging Hole, 1	
RF27	130'	895'	See Install Docs		AF27	1389'	304'	Digging Hole, 1	
RF28	154'	918'	See Install Docs		AF28	1373'	247'	Digging Hole, 1	
RF29	137'	935'	See Install Docs		AF29	1349'	221'	Digging Hole, 1	
RF30	173'	990'	See Install Docs		AF30	1359'	185'	Digging Hole, 1	
RF31	128'	1021'	See Install Docs		AF31	1291'	208'	Digging Hole, 1	
RF32	179'	989'	See Install Docs		AF32	1300'	171'	Digging Hole, 1	
RF33	1310'	955'	See Install Docs		AF33	1159'	211'	Digging Hole, 1	
RF34	1110'	980'	See Install Docs		AF34	1133'	215'	Digging Hole, 1	
RF35	1011'	1011'	See Install Docs		AF35	1115'	282'	Digging Hole, 1	
RF36	8511'	531'	See Install Docs		AF36	10811'	257'	Digging Hole, 1	
RF37	878'	541'	See Install Docs		AF37	12011'	165'	Digging Hole, 1	
RF38	395'	551'	See Install Docs		AF38	1080'	291'	Digging Hole, 1	
RF39	618'	533'	See Install Docs		AF39	1317'	289'	Digging Hole, 2	
RF40	16410'	685'	See Install Docs		AF40	1306'	278'	Digging Hole, 2	
RF41	128'	717'	See Install Docs		AF41	1373'	144'	Digging Hole, 2	
RF42	1411'	754'	See Install Docs		AF42	1359'	149'	Digging Hole, 2	
RF43	5111'	8010'	See Install Docs		AF43	1279'	109'	Digging Hole, 1	
RF44	1166'	10810'	See Install Docs		AF44	1268'	98'	Digging Hole, 2	
RF45	1270'	1090'	See Install Docs		AF45	12211'	211'	Digging Hole, 3	
RF46	1504'	869'	See Install Docs		AF46	1215'	215'	Digging Hole, 3	
RF47	1506'	763'	See Install Docs		AF47	1106'	317'	Digging Hole, 1	
RF48	12710'	533'	See Install Docs		AF48	1058'	268'	Digging Hole, 1	
RF49	1174'	531'	See Install Docs		AF49	1057'	1611'	Digging Hole, 1	
RF50	1222'	811'	See Install Docs		AF50	1020'	1611'	Digging Hole, 1	
RF51	1286'	751'	See Install Docs		AF51	1047'	2911'	Digging Hole, 1	
RF52	1355'	682'	See Install Docs		AF52	10711'	326'	Digging Hole, 1	
RF53	1286'	613'	See Install Docs		AF53	1087'	387'	Digging Hole, 1	
RF54	1425'	752'	See Install Docs		AF54	1120'	373'	Digging Hole, 1	
RF55	1556'	688'	See Install Docs		AF55	1178'	3810'	Digging Hole, 1	
RF56	1603'	420'	See Install Docs		AF56	1202'	415'	Digging Hole, 1	
RF57	1621'	4310'	See Install Docs		AF57	1051'	391'	Digging Hole, 1	
RF58	1632'	410'	See Install Docs		AF58	1126'	465'	Digging Hole, 1	
RF59	1547'	458'	See Install Docs		AF59	1467'	349'	Digging Hole, 5	
RF60	1692'	478'	See Install Docs		AF60	14210'	538'	CP Surface point	
RF61	14610'	549'	See Install Docs		AF61	14711'	5611'	CP Surface point	
RF62	1472'	3910'	See Install Docs		AF62	1548'	587'	CP Surface point	
RF63	1382'	212'	See Install Docs		AF63	1185'	1310'	Digging Hole, 1	
RF64	10611'	386'	See Install Docs		AF64	12110'	1211'	Digging Hole, 1	
RF65	1209'	3510'	See Install Docs		AF65	1244'	159'	Digging Hole, 1	
RF66	1233'	384'	See Install Docs		AF66	1235'	1811'	Digging Hole, 1	
RF67	7510'	147'	Digging Hole, 121		AF67	11911'	1910'	Digging Hole, 1	
RF68	759'	168'	Digging Hole, 121		AF68	1176'	173'	Digging Hole, 1	
RF69	399'	142'	Digging Hole, 5		AF69	1392'	179'	Digging Hole, 1	
RF70	189'	1610'	Digging Hole, 5		AF70	1418'	204'	Digging Hole, 1	
RF71	357'	150'	Digging Hole, 1		AF71	1408'	239'	Digging Hole, 1	
RF72	357'	169'	Digging Hole, 1		AF72	1109'	430'	Digging Hole, 1	
RF73	342'	145'	Digging Hole, 121		AF73	11511'	458'	Digging Hole, 1	
RF74	341'	172'	Digging Hole, 121		AF74	1150'	4811'	Digging Hole, 1	
RF75	779'	136'	Digging Hole, 121		AF75	1117'	4910'	Digging Hole, 1	
RF76	178'	1710'	Digging Hole, 121		AF76	1091'	474'	Digging Hole, 1	
RF77	8111'	171'	Digging Hole, 121		AF77	1100'	4311'	Digging Hole, 1	
RF78	120'	137'	Digging Hole, 121		AF78	1441'	244'	Digging Hole, 5	
RF79	735'	212'	Digging Hole, 121		AF79	14610'	280'	Digging Hole, 16	
RF80	157'	232'	Digging Hole, 121		AF80	1480'	220'	Digging Hole, 16	
RF81	197'	209'	Digging Hole, 5		AF81	1522'	543'	CP Surface point	
RF82	196'	235'	Digging Hole, 5		AF82	1522'	543'	CP Surface point	
RF83	355'	217'	Digging Hole, 1		AF83	1522'	543'	CP Surface point	
RF84	355'	234'	Digging Hole, 1		AF84	1522'	543'	CP Surface point	
RF85	340'	210'	Digging Hole, 121		AF85	1522'	543'	CP Surface point	
RF86	8111'	239'	Digging Hole, 121		AF86	1522'	543'	CP Surface point	
RF87	777'	201'	Digging Hole, 121		AF87	1522'	543'	CP Surface point	
RF88	776'	245'	Digging Hole, 121		AF88	1522'	543'	CP Surface point	
RF89	119'	246'	Digging Hole, 121		AF89	1522'	543'	CP Surface point	
RF90	8111'	223'	Digging Hole, 121		AF90	1522'	543'	CP Surface point	
RF91	193'	797'	Digging Hole, 68		AF91	1522'	543'	CP Surface point	
RF92	21'	172'	Digging Hole, 308		AF92	1522'	543'	CP Surface point	
RF93	75'	174'	Digging Hole, 307		AF93	1522'	543'	CP Surface point	
RF94	780'	1811'	Digging Hole, 308		AF94	1522'	543'	CP Surface point	
RF95	305'	192'	Digging Hole, 309		AF95	1522'	543'	CP Surface point	

#	Product Number	Product Name	M.F.H.	Count
A	NRO899348	Custom 4-Bay Swing	7' 9"	1
B	COR203301-xx12	Inclusive Twister	7' 4"	1
C	NRO883-xx01	Double Zipline, Flat Space	6' 11"	1
D	PCM157-xx03	Universal Carousel	1' 3"	1
E	NRO613-xx01	Music Play Panel 2	0' 0"	1
F	GY935000-xx17	Starsurfer	2' 4"	1
G	M18701-xxP	Ocean Seesaw	3' 3"	1
H	ELE400024-xx17BL	Spinner Bowl	2' 0"	2
I	NRO899793	Zipline Platform	2' 11"	2
J	KRS8200553	Robinia Baby Whale	4' 10"	1
K	ELE400158-xx17F	Junior Spica	0' 7"	1
L	PCM103-xx01	Dolphin	1' 4"	1

#	Product Number	Product Name	M.F.H.	Count
M	KNS8500326C+PCTG200715	Custom Ocean Giant & Skywalk	9' 4"	1
N	CB005	IDS Sandstone Arch	5' 10"	1
O	SF-002-SM	IDS Stepping Rock- Small	1' 6"	4
P	SF-002-MD	IDS Stepping Rock- Medium	1' 6"	4
Q	SF-002-LG	IDS Stepping Rock- Large	1' 6"	1

Glorya Jean Tate Playground

Marina, CA

Footing Plan



MANUFACTURER'S SHOP DRAWING:

FOR USE BY CONTRACTOR, ENGINEER, OR DESIGN PROFESSIONAL OF RECORD. SEE SIGNED SALES PROPOSAL FOR COMPLETE SCOPE TO BE PROVIDED BY KOMPAN OR REPRESENTING AGENCY. CONFIRM FINAL PLAN AND SCOPE WITH KOMPAN SALES REP OR PROJECT MANAGER PRIOR TO USE FOR REVIEW, PERMITTING, OR CONSTRUCTION.

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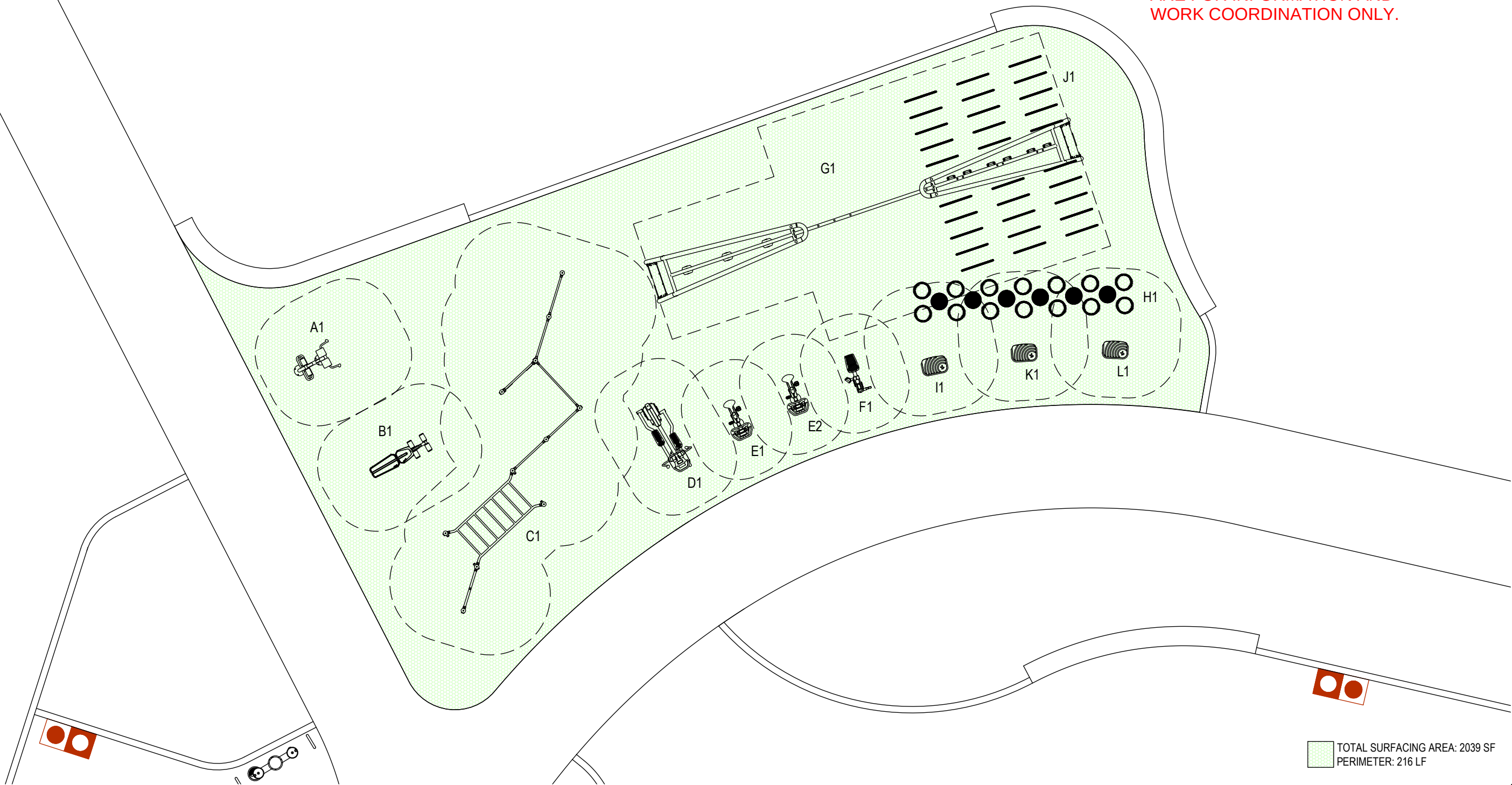
SLAB BY OTHERS UNLESS OTHERWISE NOTED. FOR SURFACE MOUNT OPTIONS, THE CONCRETE REQUIREMENTS MAY BE UP TO 51/2\"/>



SALES REPRESENTATIVE			SHEET	
Doris Harpain			K1.0	
REVIEW BY	DRAWN BY	DATE	REVISION NOTES	
DESIGN	JulLem	-		
REV. NO.	REV. BY	REV. DATE	REVISION NOTES	
5	JulLem	01 May 24	Layout & Surfacing	

LAYOUT IS IN ACCORDANCE WITH ASTM F1487

EQUIPMENT FURNISHING AND
INSTALLATION BY OTHERS. PLANS
ARE FOR INFORMATION AND
WORK COORDINATION ONLY.



#	Product Number	Product Name	M.F.H.	Count
A	FAZ60700-xx00	Lower Back Bench Pro	2' 11"	1
B	FAZ60600-xx00	Sit Up Bench Pro	3' 1"	1
C	FSW10301-xx00	Combi 3	7' 8"	1
D	FAZ52100-xx00	Cross Trainer Pro	2' 0"	1
E	FAZ50100-xx00	City Bike Pro	3' 3"	2
F	FAZ51100-xx00	Arm Bike Pro	2' 0"	1
G	FAZ20101-xx01	Cross Training Pro Combi 1	9' 5"	1
H	SUR11200-001-01	Agility Dots	0' 0"	1
I	FAZ30300-xx01	Step, 24 in	1' 11"	1
J	SUR11200-001-09 GRID	Strip, Long	0' 0"	1
K	FAZ30200-xx01	Step, 16 in	1' 3"	1
L	FAZ30100-xx01	Step, 8 in	0' 8"	1

Glorya Jean Tate

Marina, CA

Site Plan



MANUFACTURER'S SHOP DRAWING:

FOR USE BY CONTRACTOR, ENGINEER, OR DESIGN PROFESSIONAL OF RECORD. SEE SIGNED SALES PROPOSAL FOR COMPLETE SCOPE TO BE PROVIDED BY KOMPAN OR REPRESENTING AGENCY. CONFIRM FINAL PLAN AND SCOPE WITH KOMPAN SALES REP OR PROJECT MANAGER PRIOR TO USE FOR REVIEW, PERMITTING, OR CONSTRUCTION.

TO BE READ CONTINGENTLY WITH KOMPAN'S STANDARDS FOR SITE PREPARATION, MATERIALS AND INSTALLATION PROCESSES. PROVIDED AFTER EQUIPMENT PURCHASE. A COMPLIANT PLAYGROUND TO KOMPAN'S STANDARDS MUST SATISFY ALL REQUIREMENTS IN THE CODE OF CONDUCT.

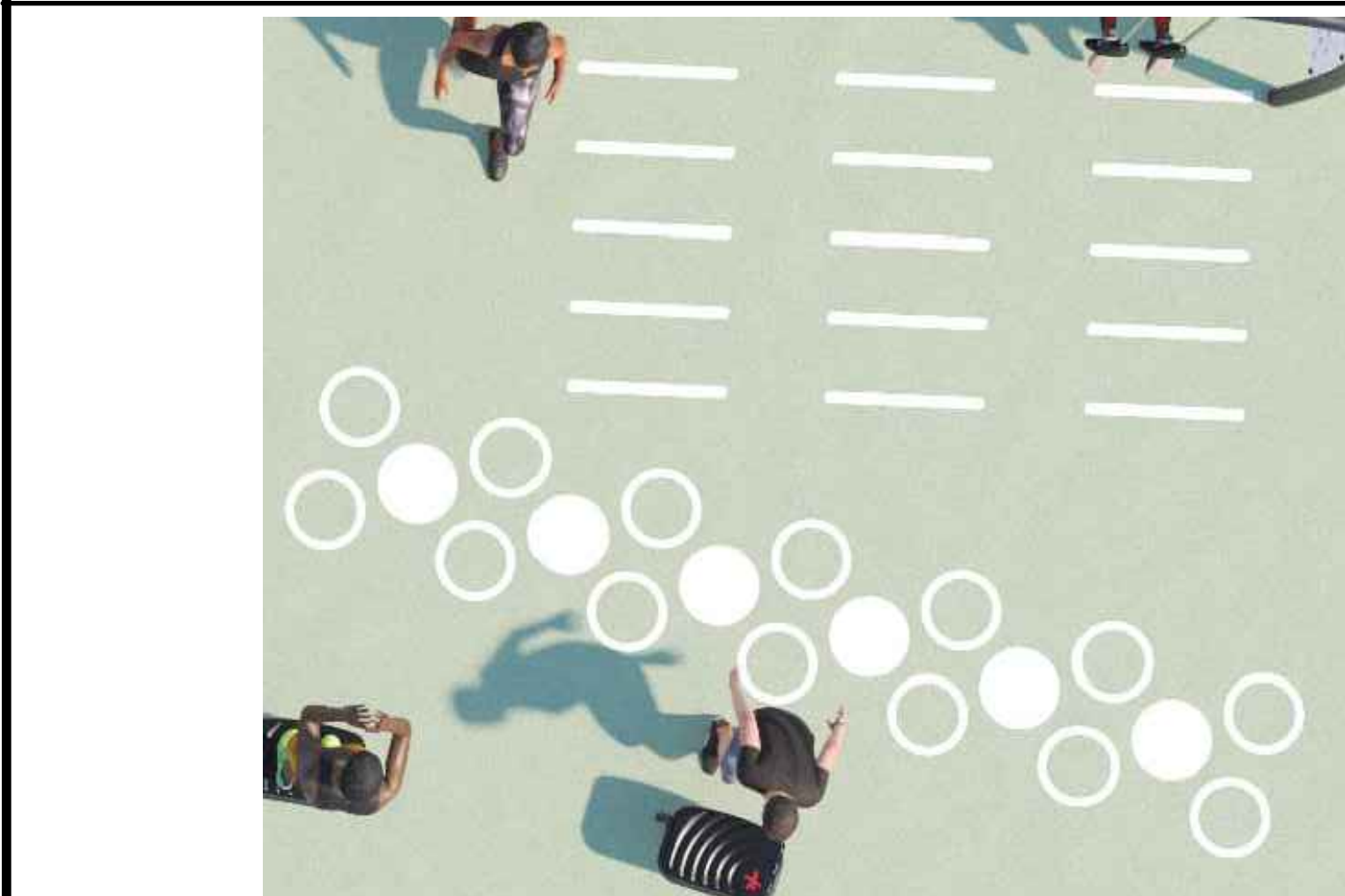
SLAB BY OTHERS UNLESS OTHERWISE NOTED. FOR SURFACE MOUNT OPTIONS, THE CONCRETE REQUIREMENTS MAY BE UP TO 51/2" OF 3,500 PSI MINIMUM COMPRESSIVE STRENGTH. CONTACT KOMPAN FOR SPECIFIC PRODUCT REQUIREMENTS. ALL COMPOSITE STRUCTURES SHOWN REQUIRE A SITE GRADE OF 2% MAXIMUM, 1% OPTIMAL. SPECIFICATIONS FOR EACH KOMPAN STRUCTURE MAY BE FOUND AT KOMPAN.COM/KOMPANMASTER

DIMENSIONS OF PLAY AREA, SIZE AND ORIENTATION, LOCATIONS OF ALL EXISTING UTILITIES, EQUIPMENT AND SITE FURNISHINGS TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

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SALES REPRESENTATIVE			SHEET	
DorHar			K1.0	
REVIEW BY	DRAWN BY	DATE		
DESIGN	JoaAce	05/14/24	REVISION NOTES	
REV. NO.	REV. BY	REV. DATE		
3	JoaAce	06/24/24	Site Boundary	

LAYOUT IS IN ACCORDANCE WITH ASTM F3101



L SURFACE AGILITY DOT AND LINE STRIPING



I CROSS TRAINING PRO COMBI 1



G CITY BIKE PRO



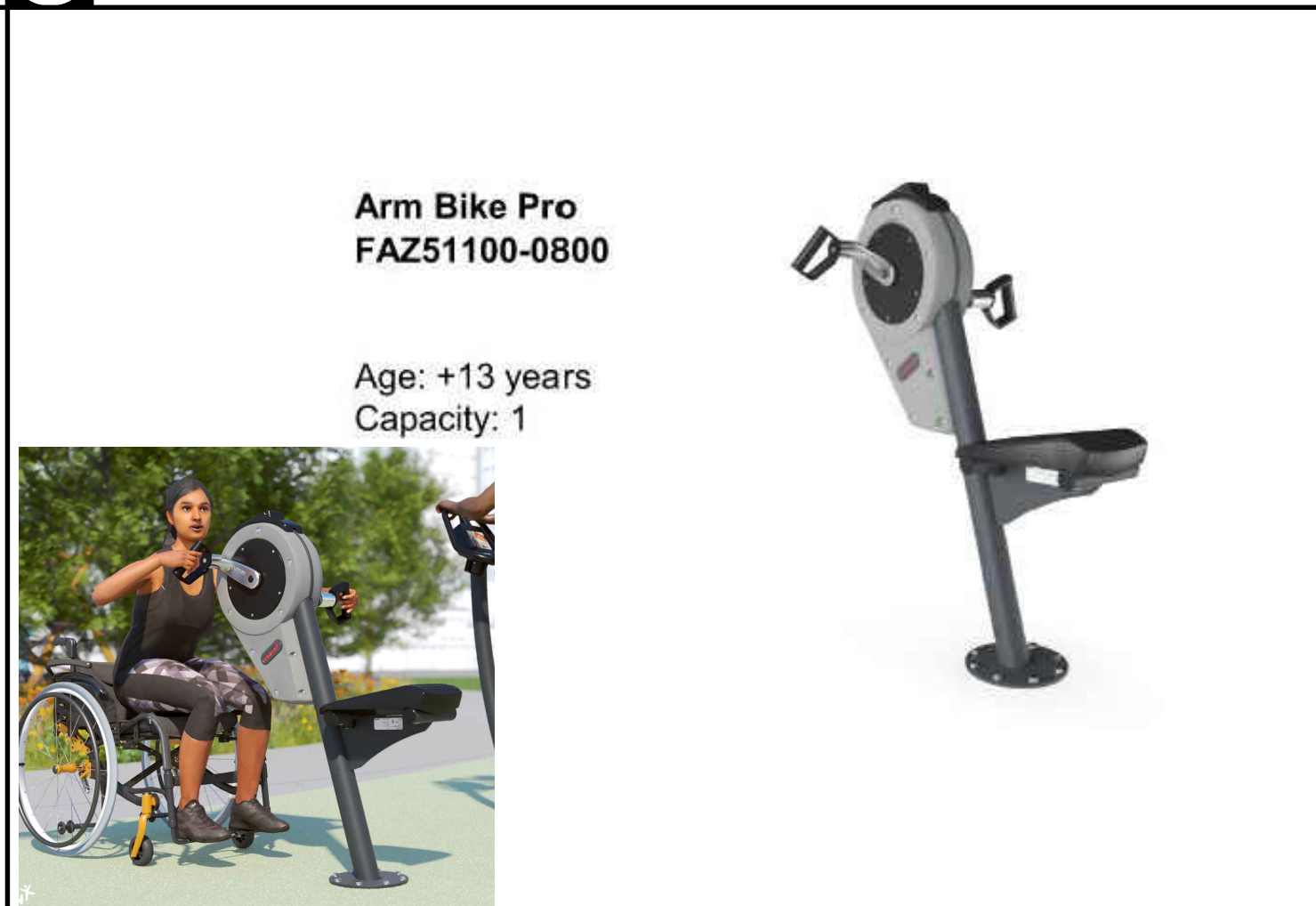
D COMBI 3



C SIT UP BENCH PRO



K STEPS - 8", 16" AND 24"



H ARM BIKE PRO



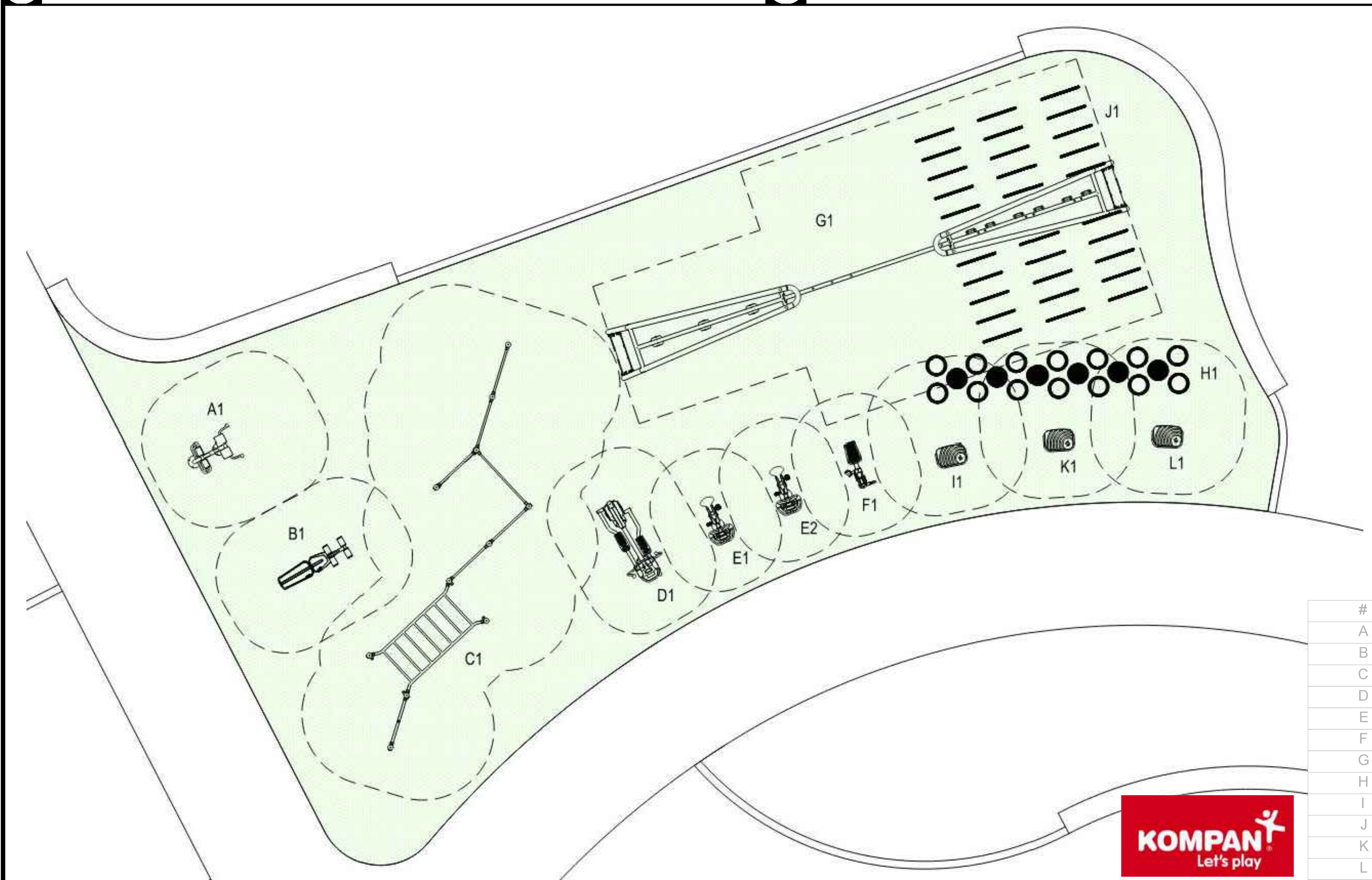
F CROSS TRAINER PRO



D COMBI 3



B LOWER BACK BENCH PRO



J EXERCISE AREA LAYOUT AND EQUIPMENT LIST



E EXERCISE AREA PERSPECTIVE 2



A EXERCISE AREA PERSPECTIVE 1

#	Product Number	Product Name	M.F.H.	Count
A	FAZ60700-xx00	Lower Back Bench Pro	2'11"	1
B	FAZ60600-xx00	Sit Up Bench Pro	3'1"	1
C	FSW10301-xx00	Combi 3	7'8"	1
D	FAZ52100-xx00	Cross Trainer Pro	2'0"	1
E	FAZ50100-xx00	City Bike Pro	3'3"	1
F	FAZ51100-xx00	Arm Bike Pro	2'0"	1
G	FAZ20101-xx01	Cross Training Pro Combi 1	9'5"	1
H	SUR11200-001-01	Agility Dots	0'0"	1
I	FAZ30300-xx01	Step, 24in	1'11"	1
J	SUR11200-001-09 GRD	Strip, Long	0'0"	1
K	FAZ30200-xx01	Step, 16in	1'3"	1
L	FAZ30100-xx01	Step, 8in	0'8"	1



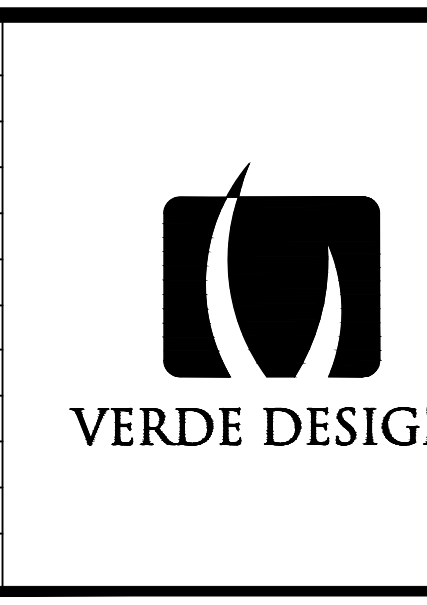
CITY OF MARINA
DEPARTMENT OF PUBLIC WORKS
211 Hillcrest Avenue
Marina, CA 93933

SCALE: SEE PLAN

ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS

0 1 2

REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE



VERDE DESIGN

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
SPORT PLANNING & DESIGN

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San Jose, CA 95050
tel: 408.985.7200
fax: 408.985.7260
www.VerdeDesignInc.com



**GLORYA JEAN TATE PARK IMPROVEMENTS
PHASE 2**

EXERCISE EQUIPMENT – INFORMATION ONLY
D4.1

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER QLP2119	SHEET	OF
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