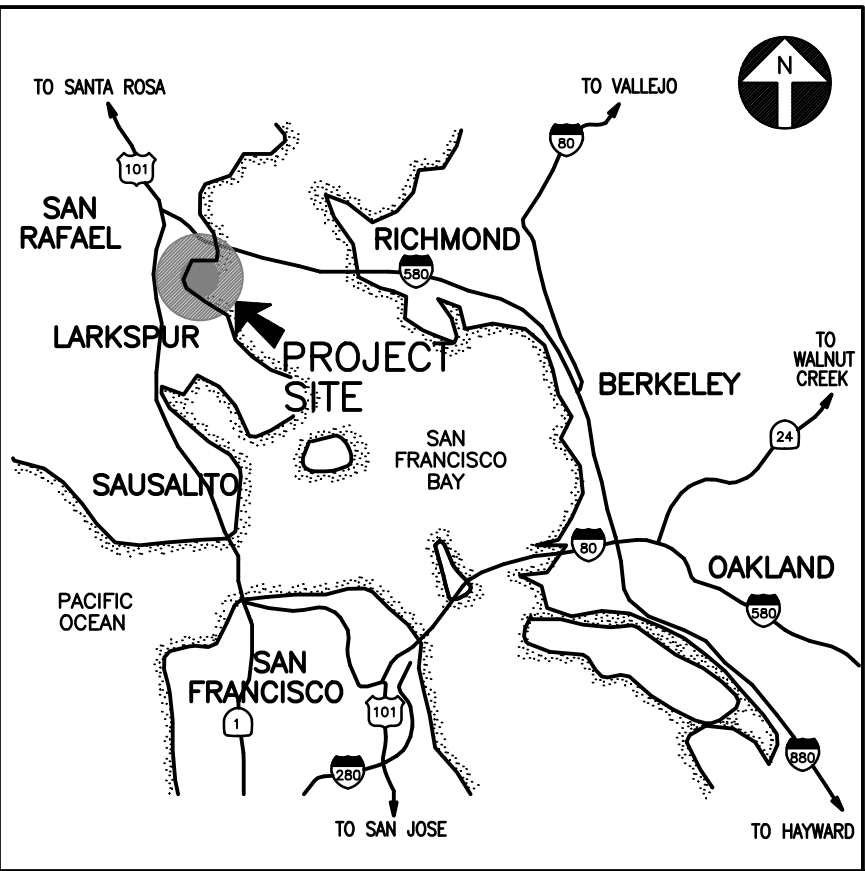


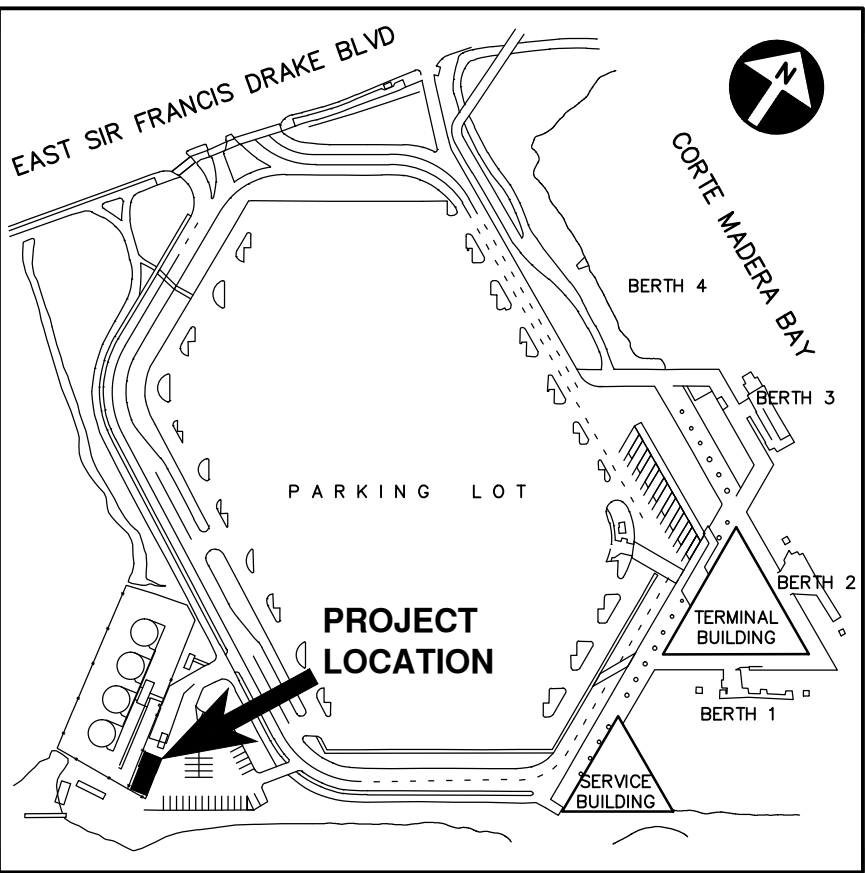
Golden Gate Bridge, Highway and Transportation District

LARKSPUR FERRY TERMINAL MATERIALS STORAGE FACILITIES

Contract No. 2002 - FT- 6



VICINITY MAP
NO SCALE



LOCATION PLAN
NO SCALE

DRAWING INDEX

T1	TITLE SHEET
C1	EXISTING CONDITION & DEMOLITION PLAN
C2	SITE PLAN
C3	STRUCTURES ELEVATIONS & CONSTRUCTION DETAILS
C4	CONSTRUCTION DETAILS
C5	CONSTRUCTION DETAILS
E1	ELECTRICAL SITE PLAN
E2	PUMP HOUSE ELECTRICAL PLAN & ELEVATION
E3	ELECTRICAL PLAN, LEGEND, & SCHEDULES
E4	ELECTRICAL DETAILS

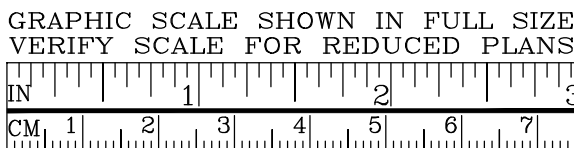
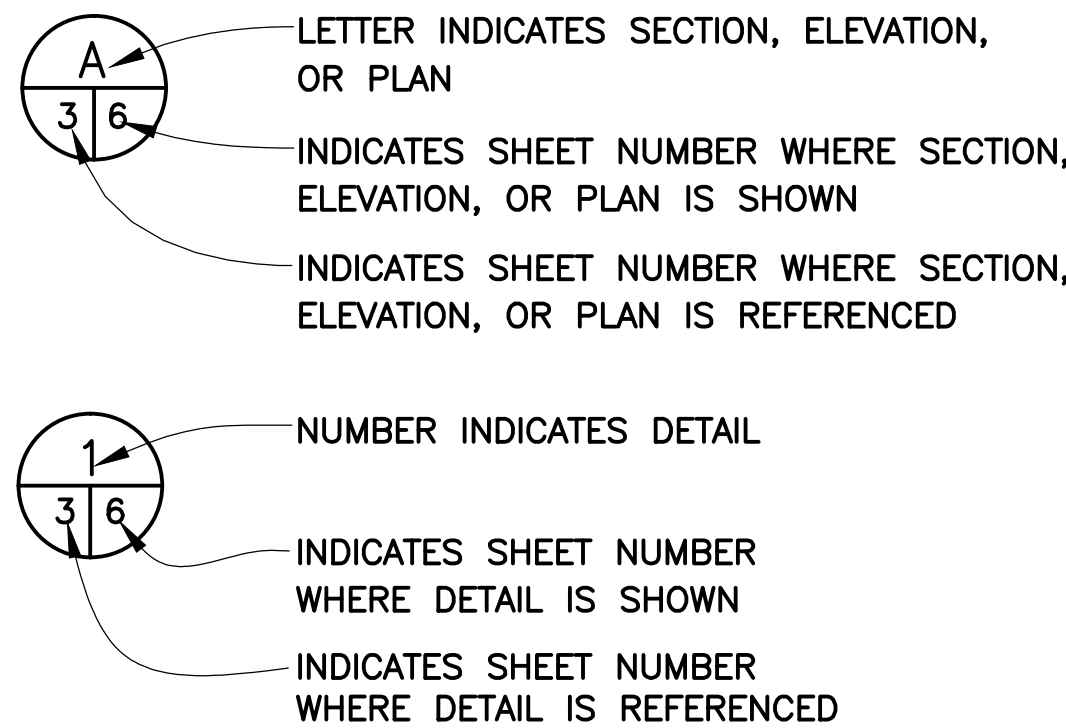
ABBREVIATIONS

⊙	AT	MH	MANHOLE
AC	ASPHALT CONCRETE	(N)	NEW
BLDG	BUILDING	OC	ON CENTER
CLR	CLEAR	OG	ORIGINAL GROUND
C	CONDUIT	PL	PLATE
CO	CONDUIT ONLY	PMB	PREFABRICATED METAL BUILDING
CONC	CONCRETE	PVMT	PAVEMENT
CONT	CONTINUOUS	R	RADIUS
∅	DIAMETER	RWD	REDWOOD
DET	DETAIL	RCP	REINFORCED CONCRETE PIPE
DI	DROP INLET	REQD	REQUIRED
DIP	DUCTILE IRON PIPE	SHT	SHEET
DWG	DRAWING	SS	SANITARY SEWER
(E)	EXISTING	SCH	SCHEDULE
EL	ELEVATION	SIM	SIMILAR
ELEC	ELECTRICAL	STD	STANDARD
EW	EACH WAY	SQ	SQUARE
FH	FIRE HYDRANT	TOC	TOP OF CONCRETE
FL	FLOW LINE	TOT	TOTAL
GALV	GALVANIZED	TYP	TYPICAL
GRND	GROUND	UON	UNLESS OTHERWISE NOTED
G	GROUNDING		
GFI	GROUND FAULT INTERRUPTER		
H	HEIGHT		
INV	INVERT ELEVATION		
LF	LINEAR FEET		
LWA	LIGHT WEIGHT AGGREGATE		
MAX	MAXIMUM		
MIN	MINIMUM		

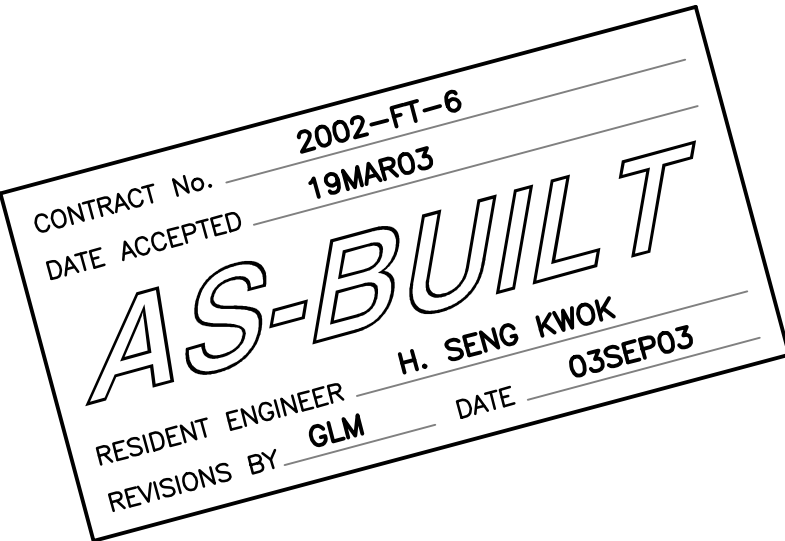
PROJECT NOTES

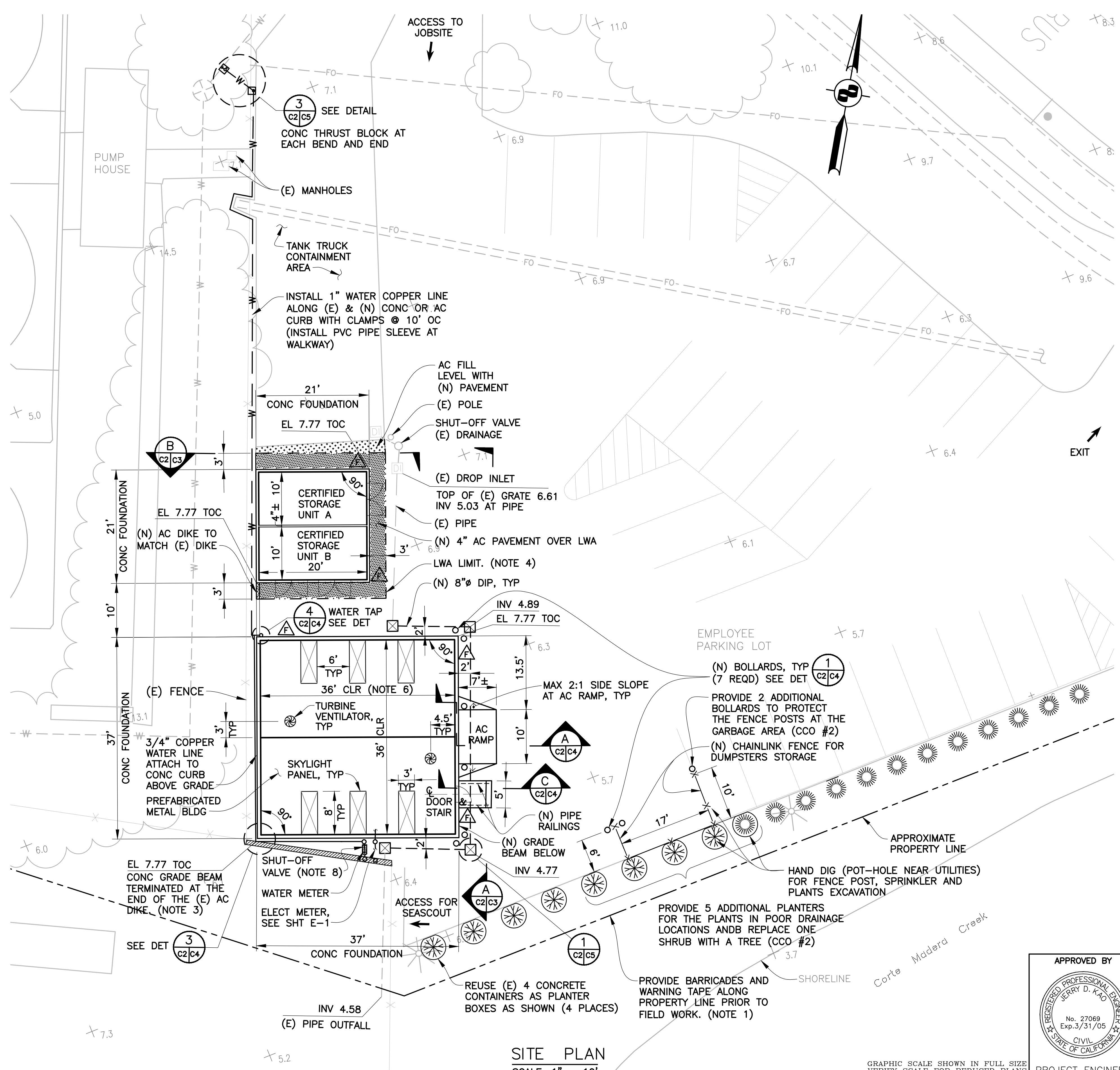
- ALL CONTRACT WORK IS CONTAINED WITHIN THE EXISTING GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT'S PROPERTY.
- THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE SPECIAL PROVISIONS.

DETAIL / SECTION DESIGNATION



APPROVED BY 		APPROVED BY 	
PROJECT ENGINEER 06-18-02 DATE	NO. REVISIONS BY DATE CONTRACT NO. 2002-FT-6 CADD FILE 02F06C001AB.DWG	DISTRICT ENGINEER 06-18-02 DATE	GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT LARKSPUR FERRY TERMINAL MATERIALS STORAGE FACILITIES TITLE SHEET DESIGNED BY S.K. CHECKED BY J.K. DRAWN BY G.M. SCALE AS NOTED DATE 14JUN02



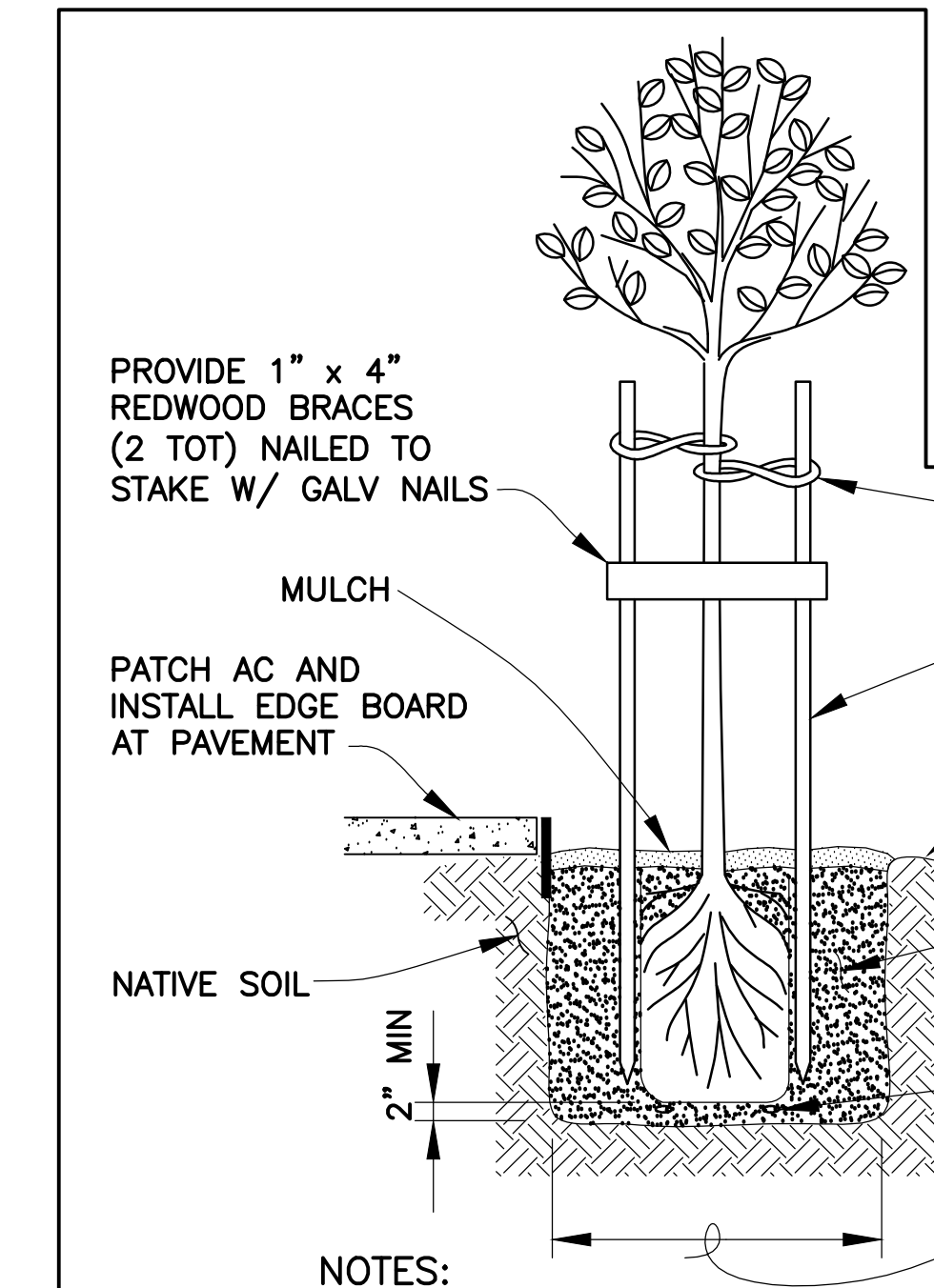


LEGEND:

- LWA
- AC FILL THICKNESS VARY, 4" MIN
- SAWCUT LINE
- PROPERTY LINE
- (E) LIGHTPOLE
- (N) DROP INLET
- (N) FIRE EXTINGUISHER (5 TOT)
- (N) JASMINE (J. POLYANTHUM) ALONG FENCE, 1 GAL @ 4' OC
- (N) COFFEE BERRY (RHAMNUS CALIFORNICA) 5 GAL @ 6' OC (12 TOT)
- (N) WAX MYRTLE (MYRKA CALIFORNICA) 15 GAL @ 8' OC (8 TOT)
- (N) WATER LINE
- (E) WATER LINE

NOTES:

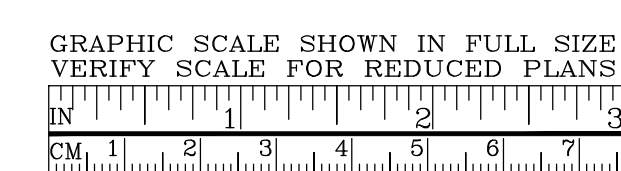
- CONTRACTOR'S CONSTRUCTION OPERATION SHALL NOT GO BEYOND THE PROPERTY LINE. THE CONSTRUCTION LIMIT IS LIMITED TO WITHIN THE EMPLOYEE PARKING LOT.
- CONTRACTOR SHALL SUBMIT A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN FOR APPROVAL PRIOR TO FIELD WORK. THE PLAN SHALL INDICATE ALL THE BEST MANAGEMENT PRACTICES AND OTHER MEASURES TO CONTROL WATER POLLUTION. THERE SHALL BE NO NET INCREASE IN THE QUANTITIES OF SEDIMENTS OR POLLUTANTS THAT AFFECT STORM WATER RUNOFF AND THE NEIGHBORING WATERWAYS CAUSED BY THE CONSTRUCTION ACTIVITIES. ALL ELEVATIONS ARE REFERENCED TO THE TEMPORARY BENCHMARK ON TOP OF (E) CONCRETE CURB. SEE SHEET C1.
- CONTRACTOR SHALL ENSURE THAT NO SOIL SLOUGH-OFF FROM THE VERTICAL SURFACE OF EXCAVATION BEFORE FILLING OF LWA.
- WEST EDGES OF GRADE BEAMS, AT WEST OF THE STRUCTURES, SHALL ALIGN WITH THE WEST FLOWLINE OF THE (E) AC DIKE.
- INTERIOR DIMENSION IS NOMINAL. EXTERIOR SIDING SHALL REMAIN WITHIN CONCRETE FOUNDATION.
- CONSTRUCT (N) AC OVERLAY ALONG 3 SIDES OF PMB AND STORAGE UNITS AS REQUIRED TO DRAIN AWAY FROM BLDG & STORAGE UNITS AND AC CURB TOWARD DRAIN INLETS AS DIRECTED BY ENGINEER. NO PONDING ALLOWED.
- INSTALL ONE 1/2" PVC SCH 40 SPRINKLER LINE, ONE SPRINKLER CONTROL VALVE, AND A CONTROLLER ON BUILDING WALL NEXT TO ELECTRICAL BREAKER BOX. THE SPRINKLER LINE SHALL BE INSTALLED 18" BELOW GRADE, WITH ONE DRIP HEAD FOR EACH PLANT. (SPRINKLER LINE NOT SHOWN ON SITE PLAN FOR CLARITY. SUBMIT LAYOUT AND DETAIL PLANS FOR APPROVAL)



- NOTES:
- TREES OR BUSHES SHALL BE PLANTED WITH TRUNK-PLUMB AND SOIL-LEVEL AT/OR SLIGHTLY ABOVE FINISH GRADE.
 - FOOT TAMP BACKFILL MIX IN INCREMENTS OF 1/3 AS HOLE IS FILLED. DO NOT STEP ON ROOTBALL.
 - WATER PLANTS SUFFICIENTLY WITHIN 1 HOUR OF PLANTING TO DAMPEN SOIL TO BOTTOM OF ROOTBALL. FILL BERM WITH WATER 3 TIMES, MINIMUM.
 - ALIGN STAKES 90° TO PREVAILING WIND, UPWIND OF TREE.
 - LOCATION OF TREES SHALL BE DETERMINED BY THE ENGINEER AFTER (E) UTILITIES HAVE BEEN IDENTIFIED.
 - USE ONE ADJUSTABLE DRIP HEAD FOR EACH (N) TREE.

TYPICAL TREE PLANTING & STAKING
NO SCALE

SITE PLAN
SCALE: 1" = 10'



APPROVED BY

PROJECT ENGINEER
06-18-02
DATE

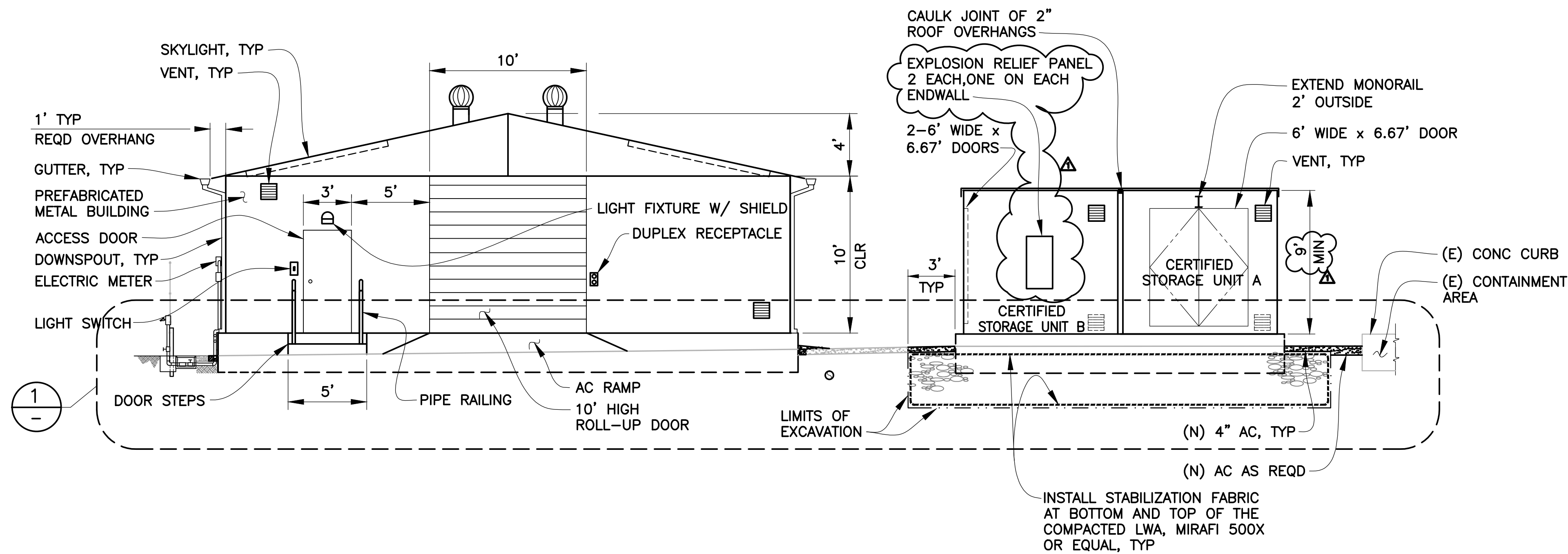
NO.	REVISIONS	BY	DATE

CONTRACT NO. 2002-FT-6
CADD FILE 02F06C003.DWG
SHEET C2

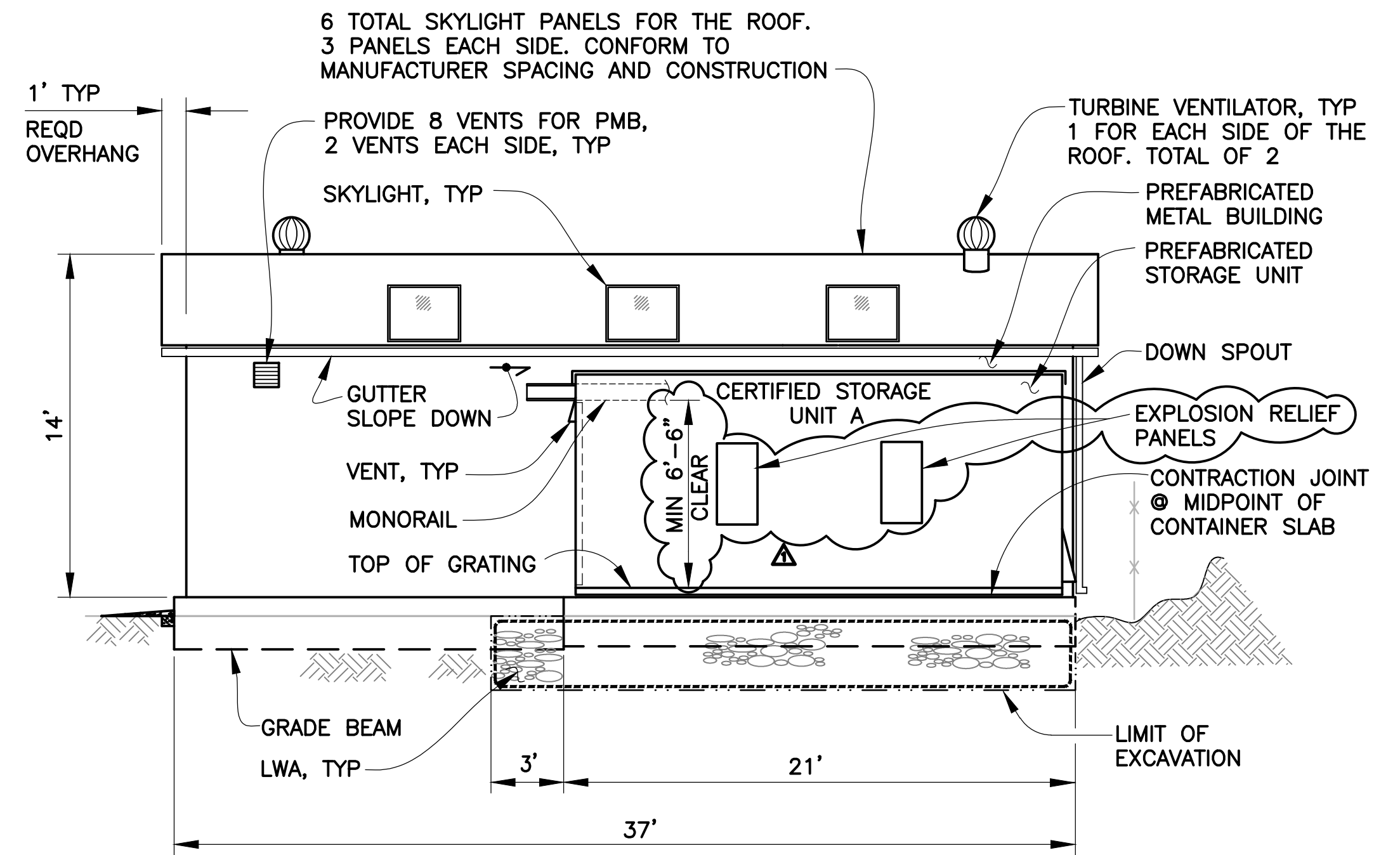
APPROVED BY

DISTRICT ENGINEER
06-18-02
DATE

GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT
LARKSPUR FERRY TERMINAL MATERIALS STORAGE FACILITIES
SITE PLAN
DESIGNED BY S.K. CHECKED BY J.K. DRAWN BY G.M.
SCALE AS NOTED DATE 14JUN02



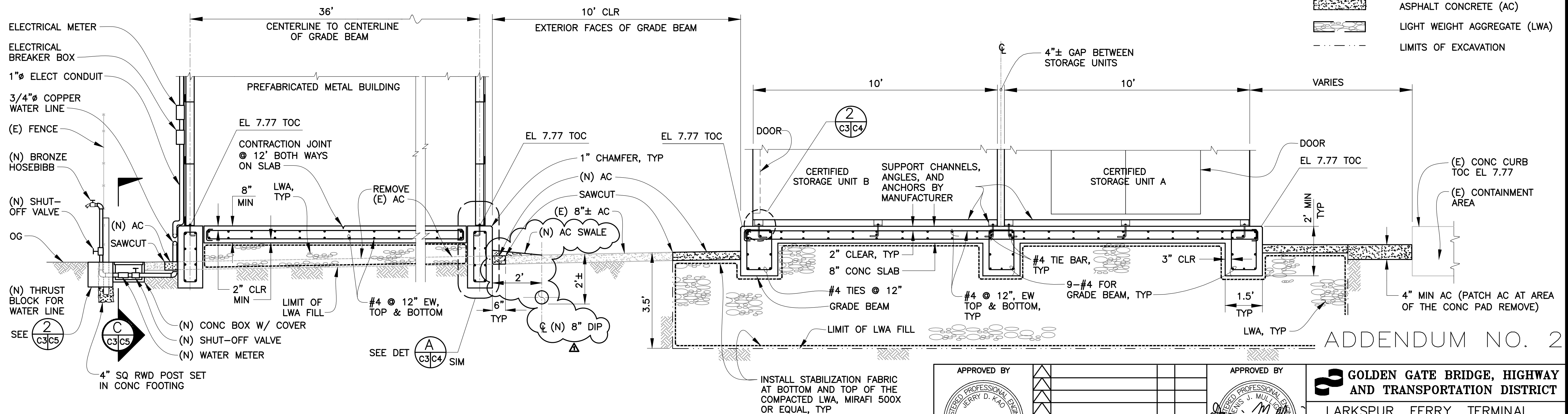
A EAST ELEVATION
C2/C3 SCALE: 1" = 5'



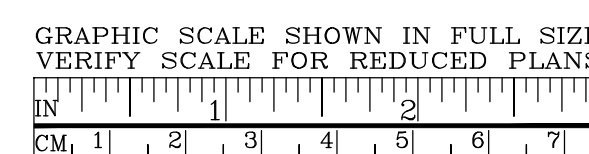
B NORTH ELEVATION
C2/C3 SCALE: 1" = 5'

LEGEND:

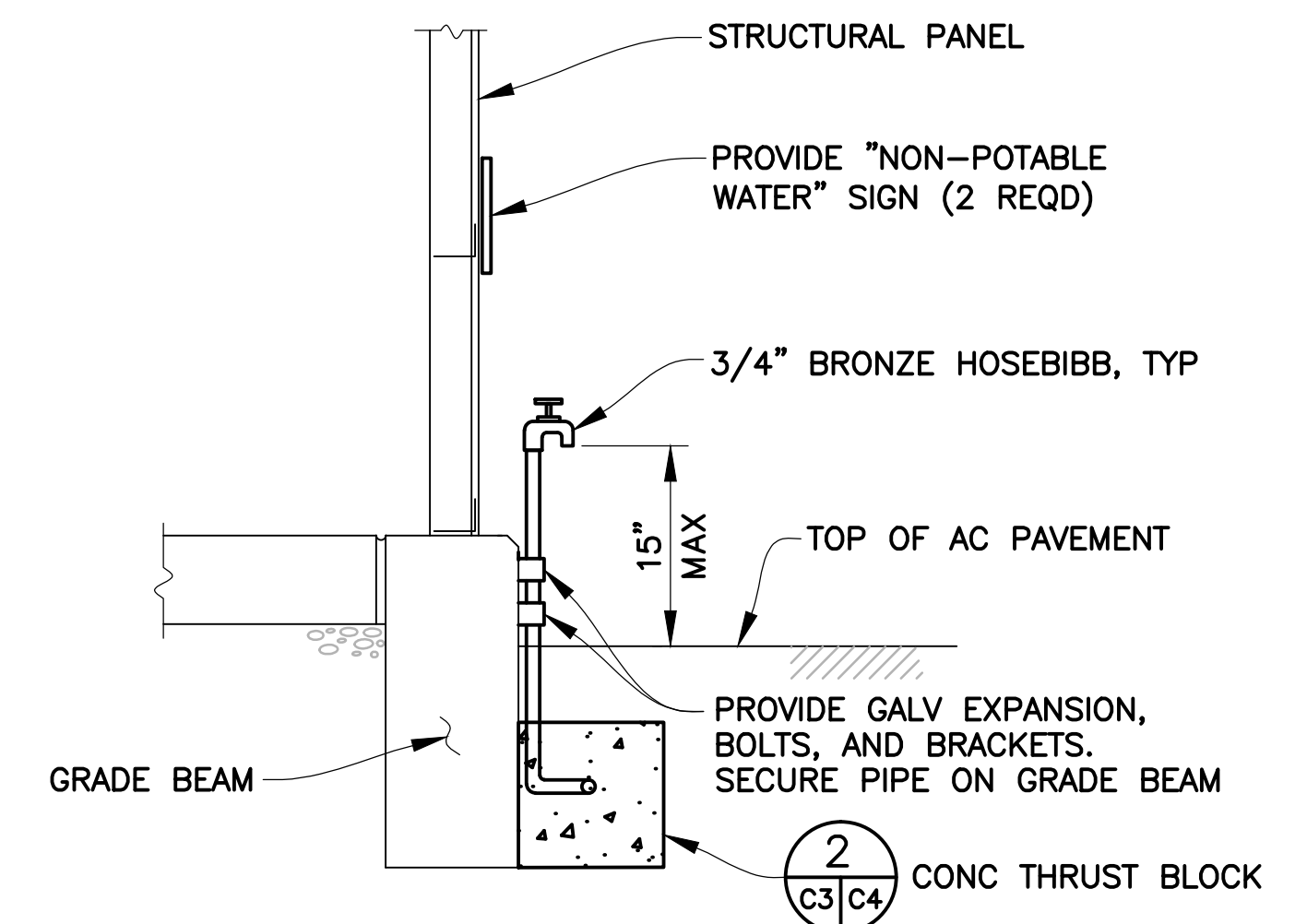
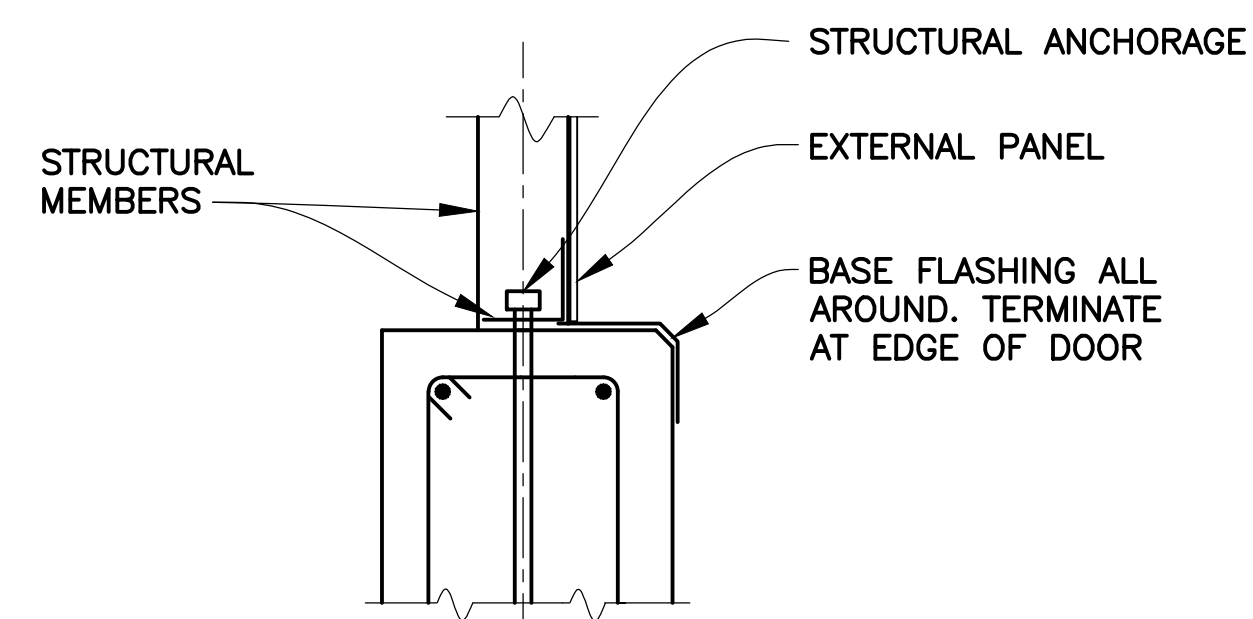
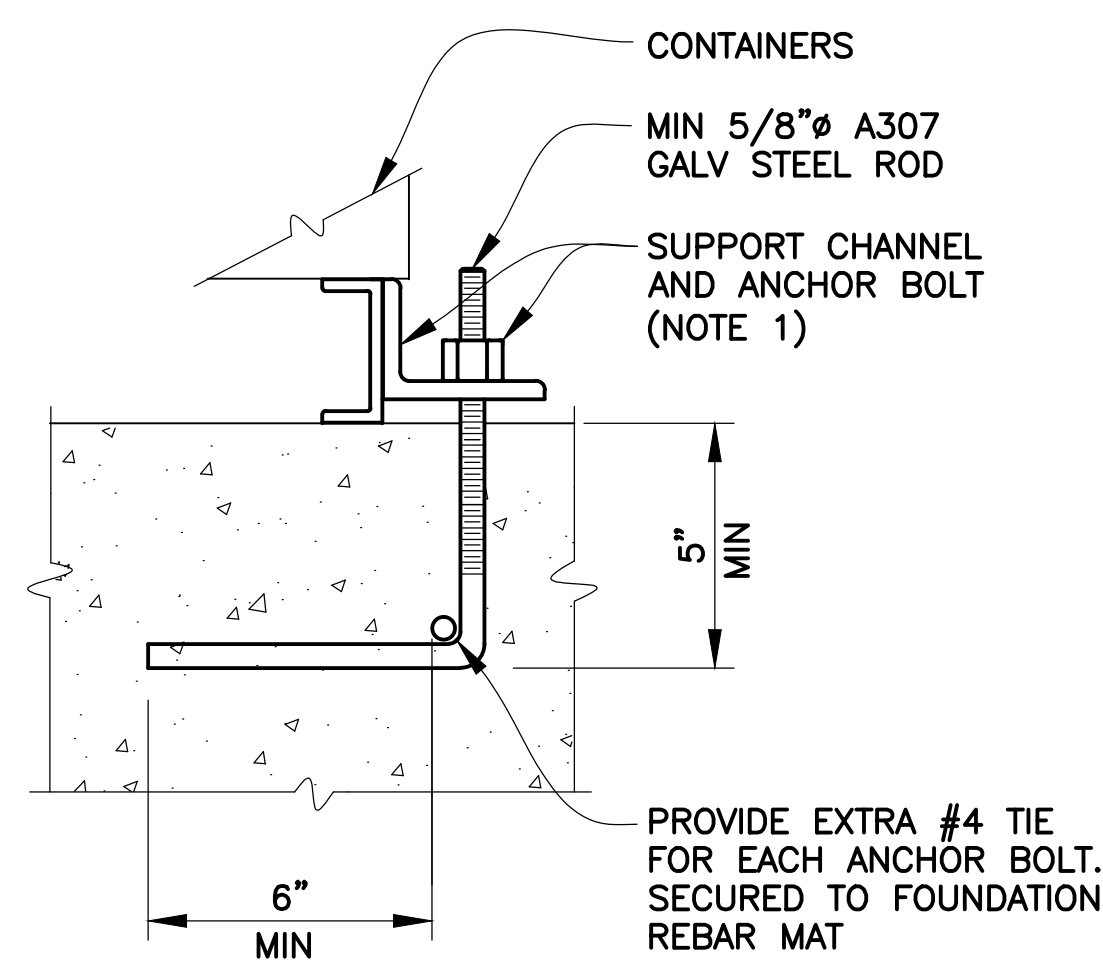
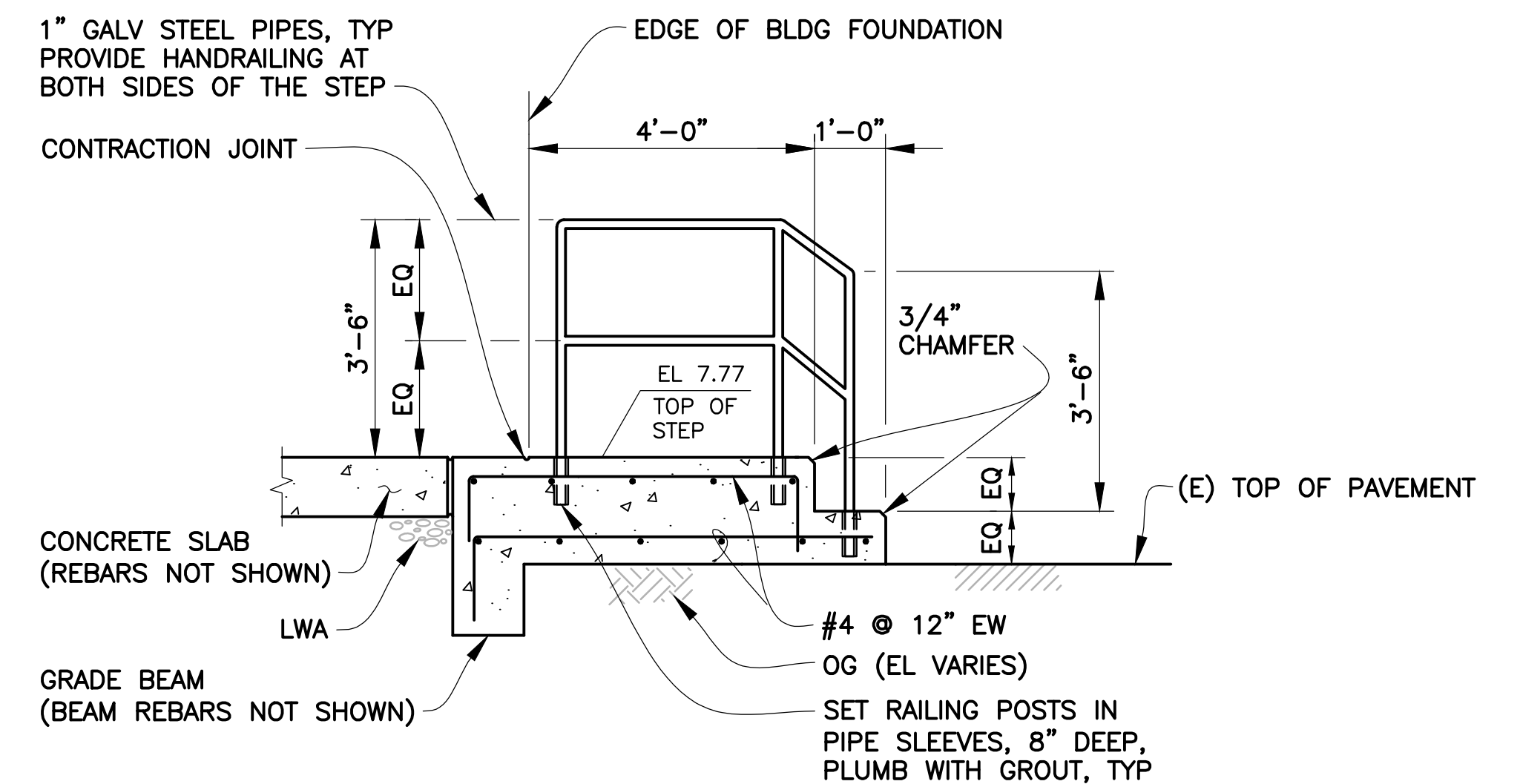
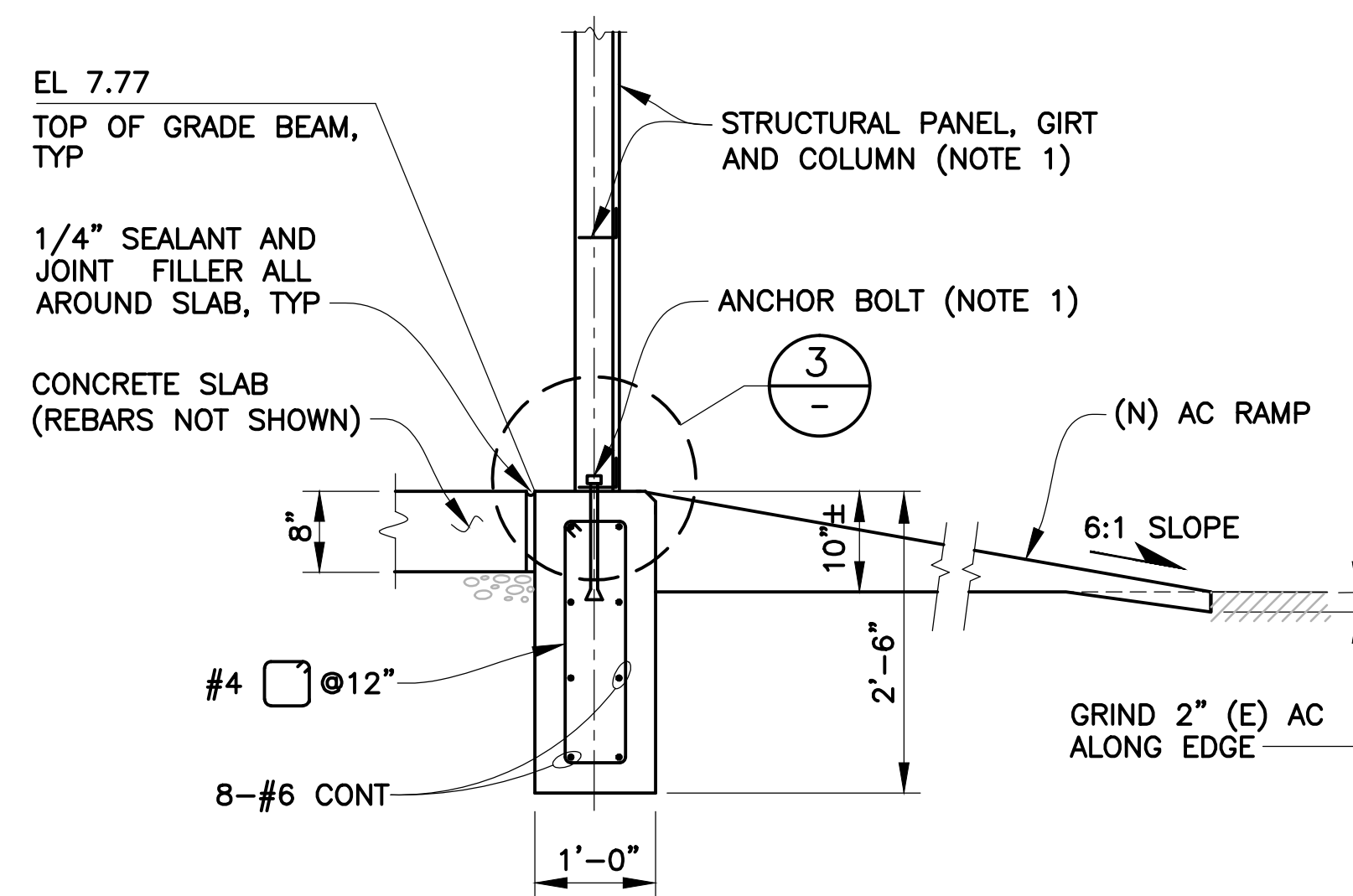
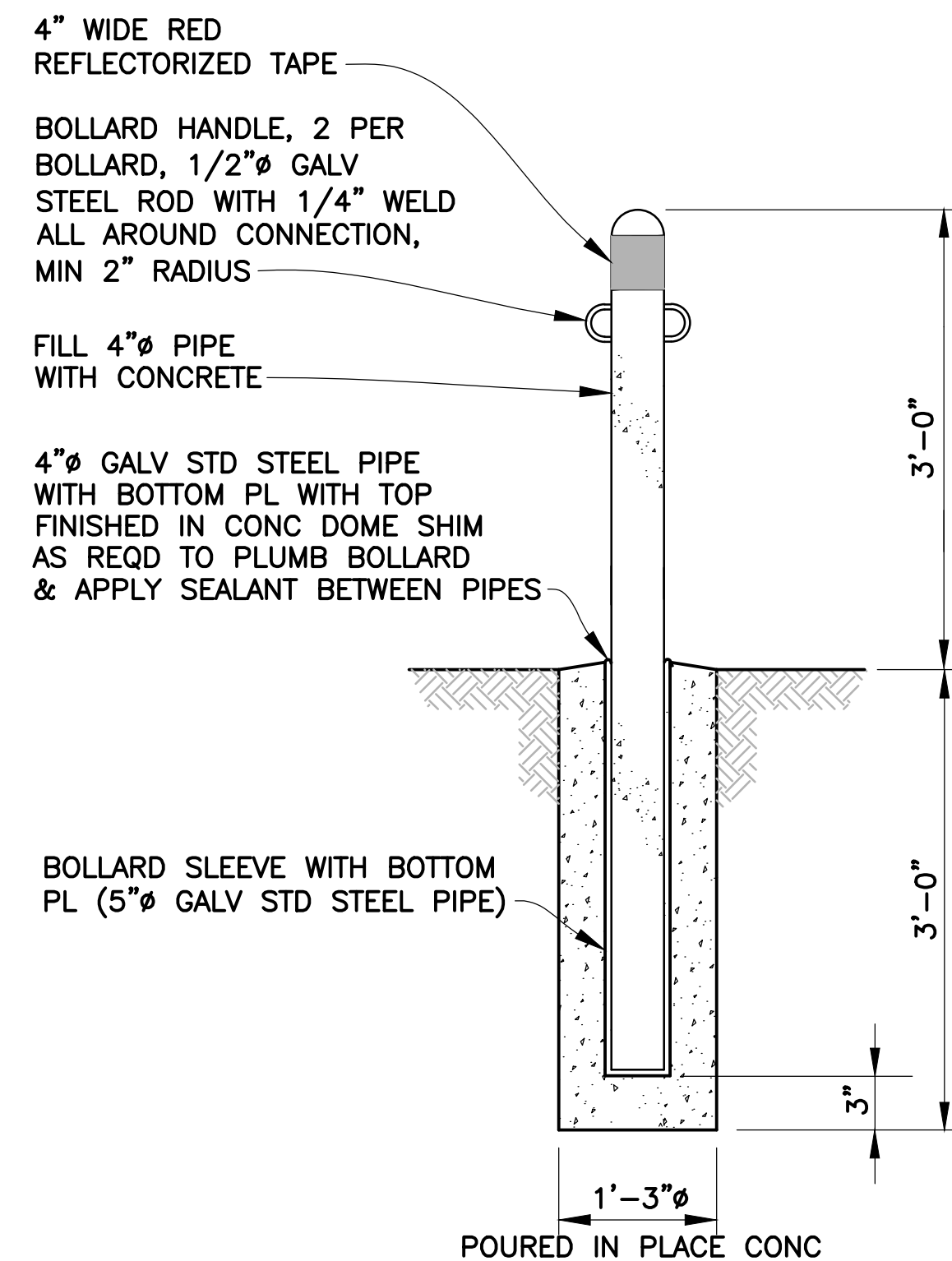
- ASPHALT CONCRETE (AC)
- LIGHT WEIGHT AGGREGATE (LWA)
- LIMITS OF EXCAVATION



1 FOUNDATION DETAIL
SCALE: 1" = 2'



APPROVED BY 		APPROVED BY 	
PROJECT ENGINEER 06-18-02 DATE		DISTRICT ENGINEER 06-18-02 DATE	
ADDENDUM NO 2 NO. REVISIONS CONTRACT NO. 2002-FT-6 CADD FILE 02F06C004-ADD2.DWG		SK 9JUL02 BY DATE SHEET C3	
GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT LARKSPUR FERRY TERMINAL MATERIALS STORAGE FACILITIES STRUCTURES ELEVATIONS & CONSTRUCTION DETAILS DESIGNED BY S.K. CHECKED BY J.K. DRAWN BY C.B. SCALE AS NOTED DATE 08JUL02			



NOTES:

1. STRUCTURAL PANEL, GIRT, CHANNEL, ANGLE, BRACING, ANCHOR BOLTS, ETC FOR PMB AND STORAGE UNITS AS SHOWN ARE SCHEMATIC ONLY. CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS, PLANS AND DETAILS FOR APPROVAL. ADJUST DIMENSIONS AS NEEDED TO SUIT CONC FOUNDATION.
2. FINISH PAINT COLOR FOR HANDRAILS SHALL BE SAME AS BUILDING EXTERIOR.

1 BOLLARD DETAIL
C2 C4 NO SCALE

TYPICAL - GRADE BEAM FOR
PREFABRICATED METAL BUILDING

NO SCALE




B SECTION AT DOOR STEP
C2 C4 NO SCALE

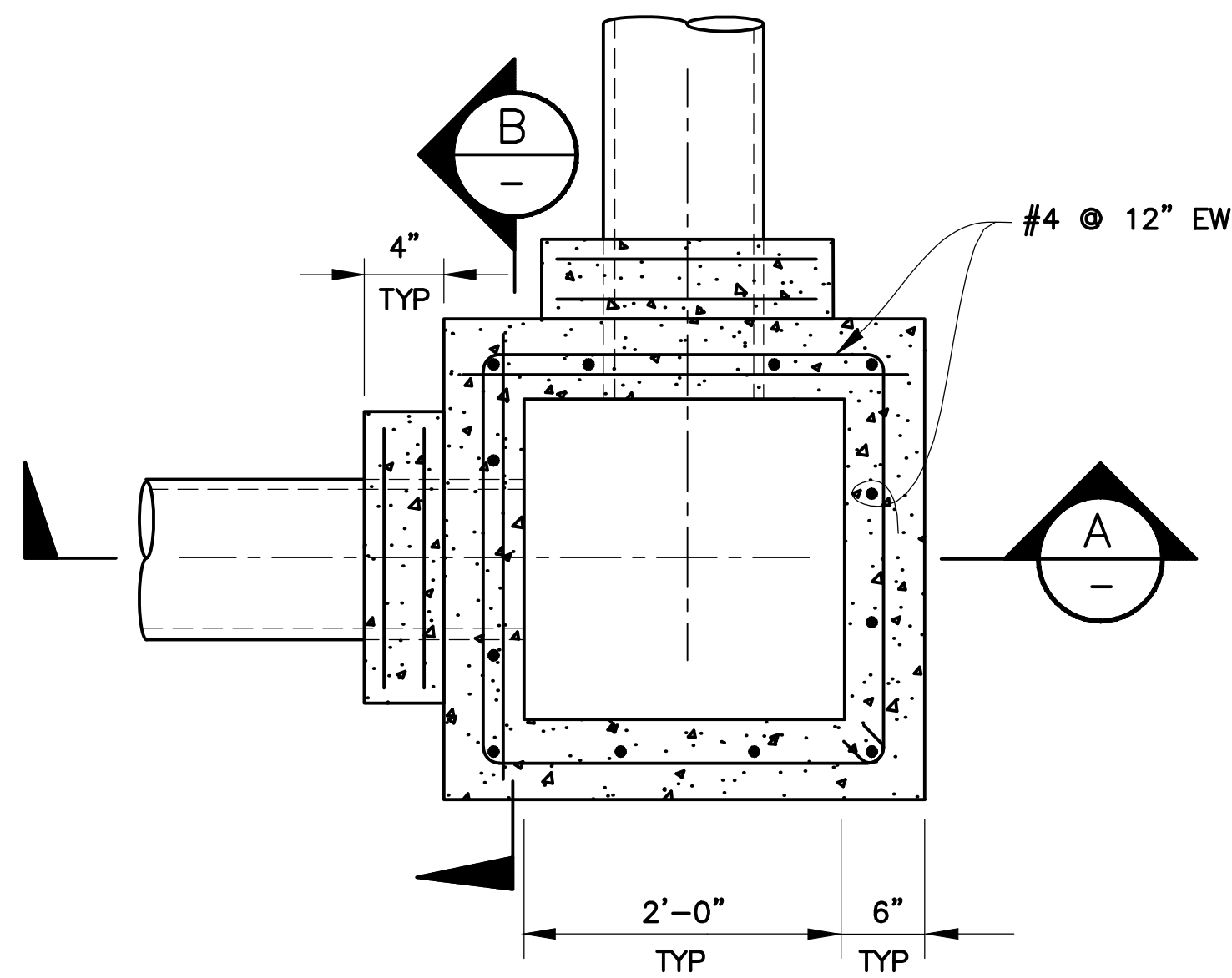
2 TYPICAL - ANCHORAGE FOR CONTAINERS
C3 C4 NO SCALE

3 ANCHOR BOLT DETAIL
- NO SCALE

4 WATER SUPPLY PIPE DETAIL
C2 C4 NO SCALE (DETAILS AT FENCE SIMILAR)

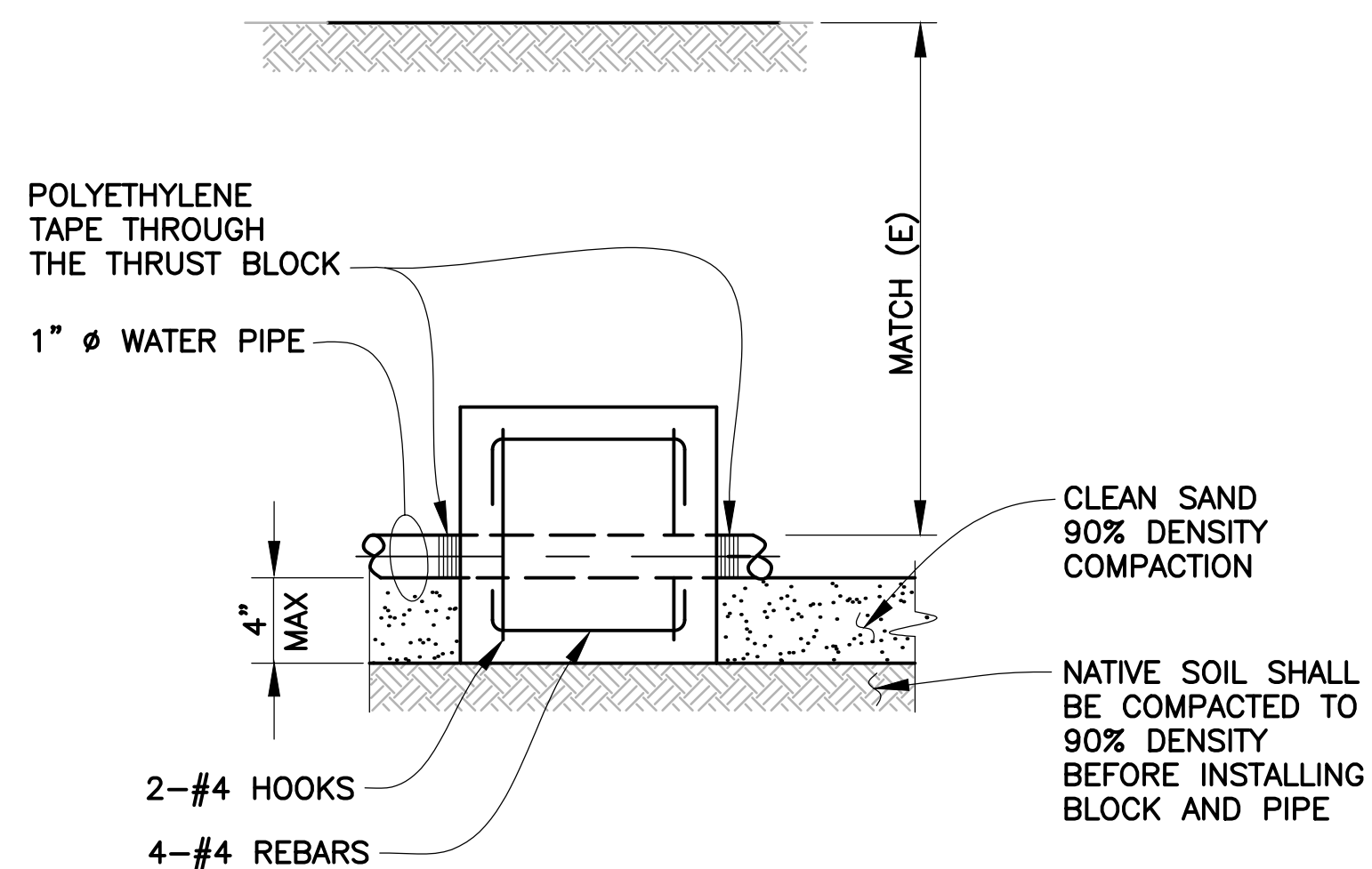
ISSUED FOR BID

APPROVED BY 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="height: 20px;">▲</td><td style="width: 20px;"></td><td style="width: 20px;"></td></tr> <tr><td style="height: 20px;">▲</td><td></td><td></td></tr> <tr><td style="height: 20px;">▲</td><td></td><td></td></tr> <tr><td style="height: 20px;">▲</td><td></td><td></td></tr> <tr><td style="height: 20px;">▲</td><td></td><td></td></tr> <tr><td style="height: 20px;">▲</td><td></td><td></td></tr> </table>	▲			▲			▲			▲			▲			▲			APPROVED BY 	<div style="text-align: center;">  GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT </div> <div style="text-align: center; margin-top: 20px;"> LARKSPUR FERRY TERMINAL MATERIALS STORAGE FACILITIES </div> <div style="text-align: center; margin-top: 20px;"> CONSTRUCTION DETAILS </div>												
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PROJECT ENGINEER 06-18-02 DATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">NO.</th> <th style="width: 50%;">REVISIONS</th> <th style="width: 10%;">BY</th> <th style="width: 30%;">DATE</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	NO.	REVISIONS	BY	DATE																					DISTRICT ENGINEER 06-18-02 DATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 25%;">DESIGNED BY S.K.</th> <th style="width: 25%;">CHECKED BY J.K.</th> <th style="width: 50%;">DRAWN BY G.M.</th> </tr> <tr> <td>SCALE</td> <td>AS NOTED</td> <td>DATE 14JUN02</td> </tr> </table>	DESIGNED BY S.K.	CHECKED BY J.K.	DRAWN BY G.M.	SCALE	AS NOTED	DATE 14JUN02
NO.	REVISIONS	BY	DATE																														
DESIGNED BY S.K.	CHECKED BY J.K.	DRAWN BY G.M.																															
SCALE	AS NOTED	DATE 14JUN02																															
	CONTRACT NO. 2002-FT-6 CADD FILE 02F06C005.DWG	SHEET C4																															

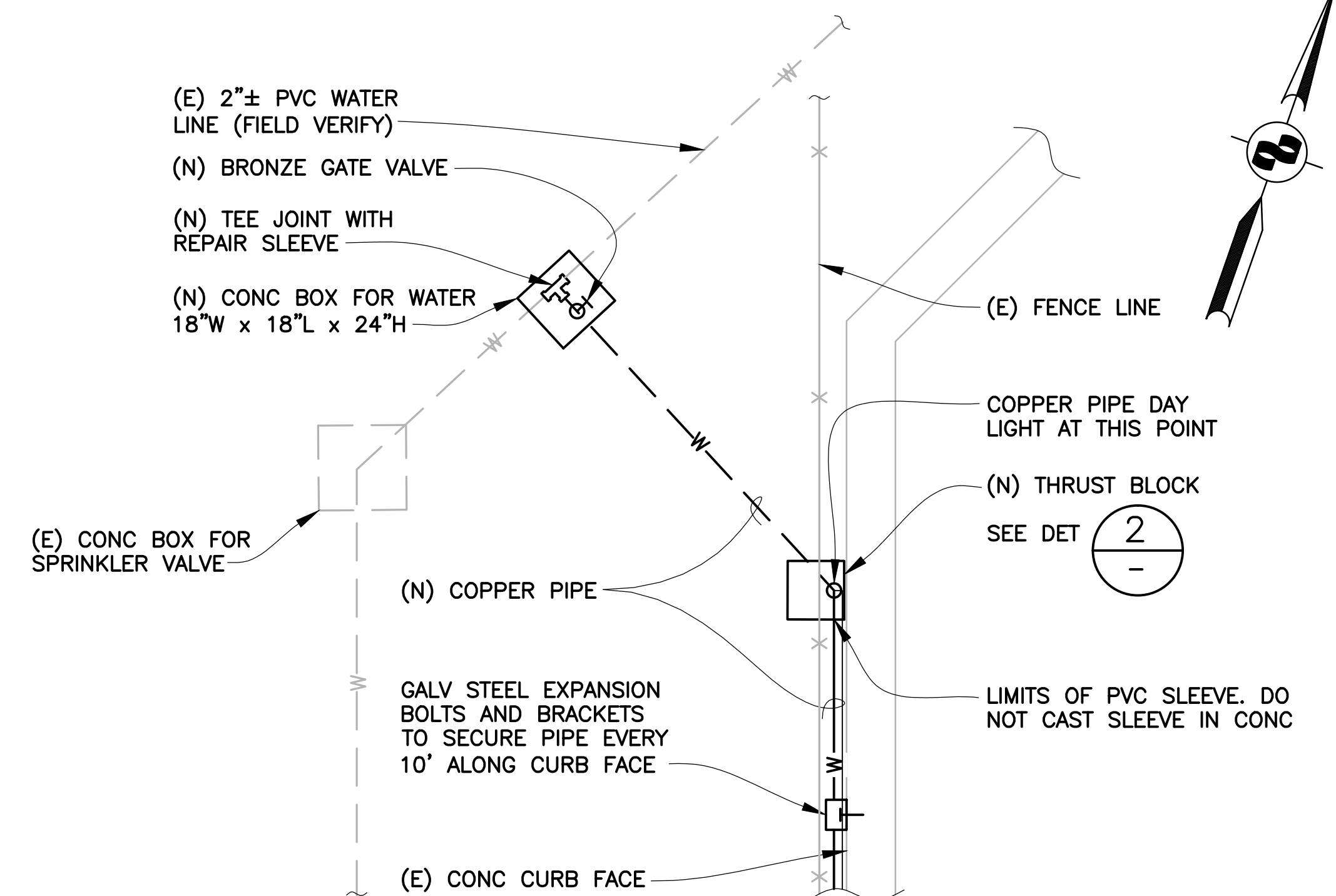


PLAN VIEW SECTION
SCALE: 1" = 1'-0"

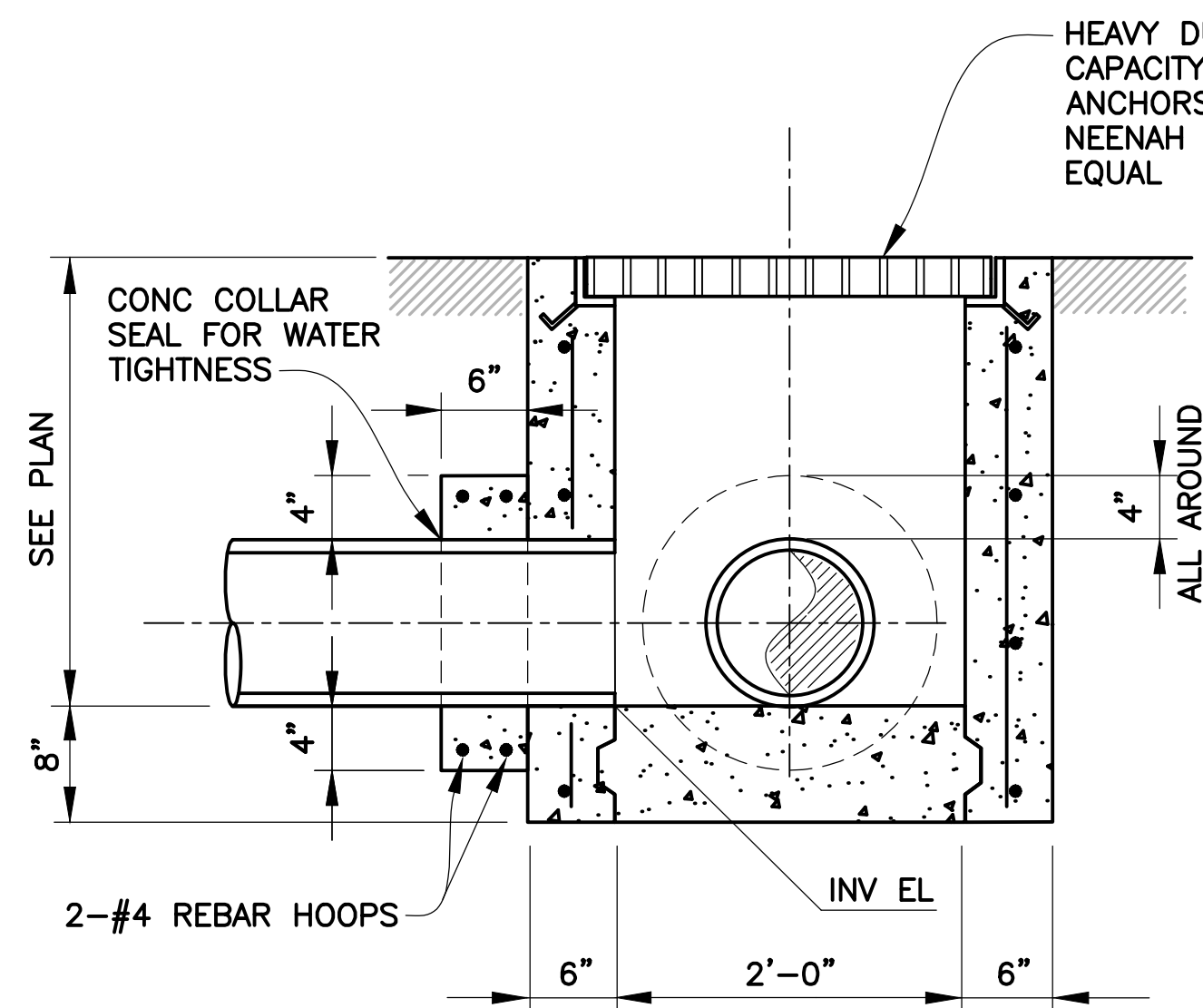
1 DROP INLET DETAIL
C2/C5 SCALE: AS SHOWN



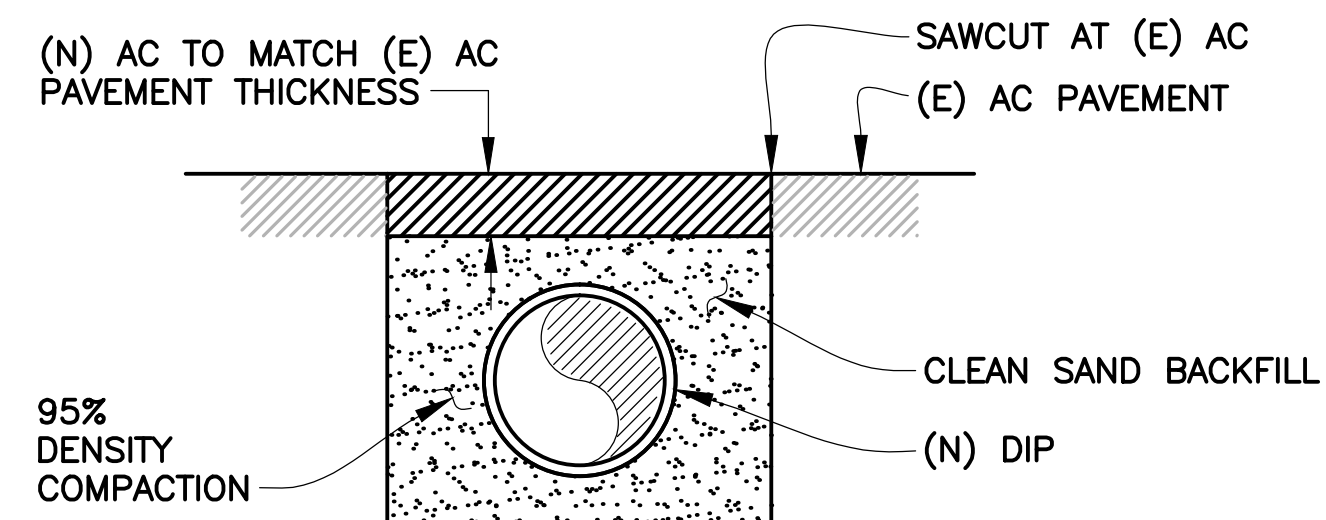
2 TYPICAL CONCRETE THRUST BLOCK DETAIL (9" CUBIC BLOCK)
C3/C5 NO SCALE



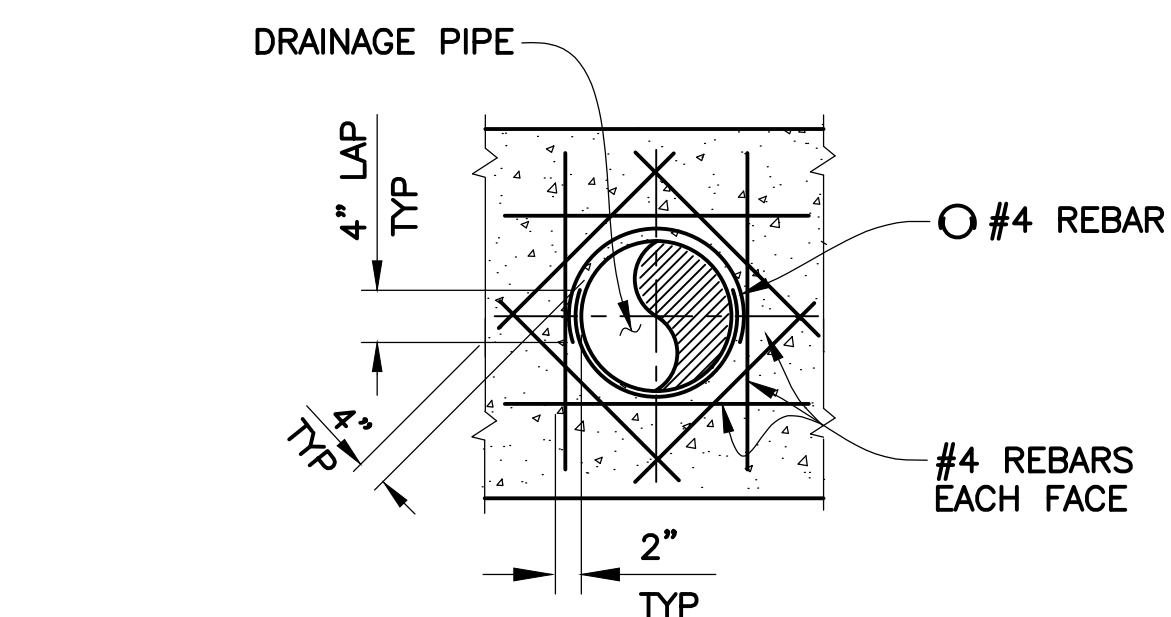
3 WATER PIPE CONNECTION DETAIL PLAN
C2/C5 NO SCALE



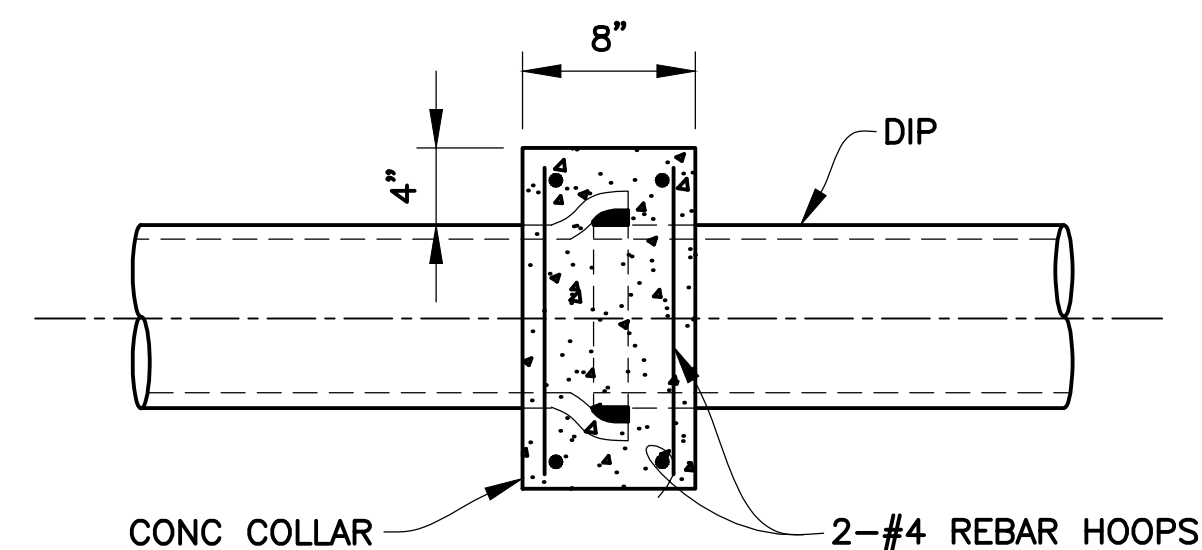
A SECTION
C2/C5 SCALE: 1" = 1'-0"



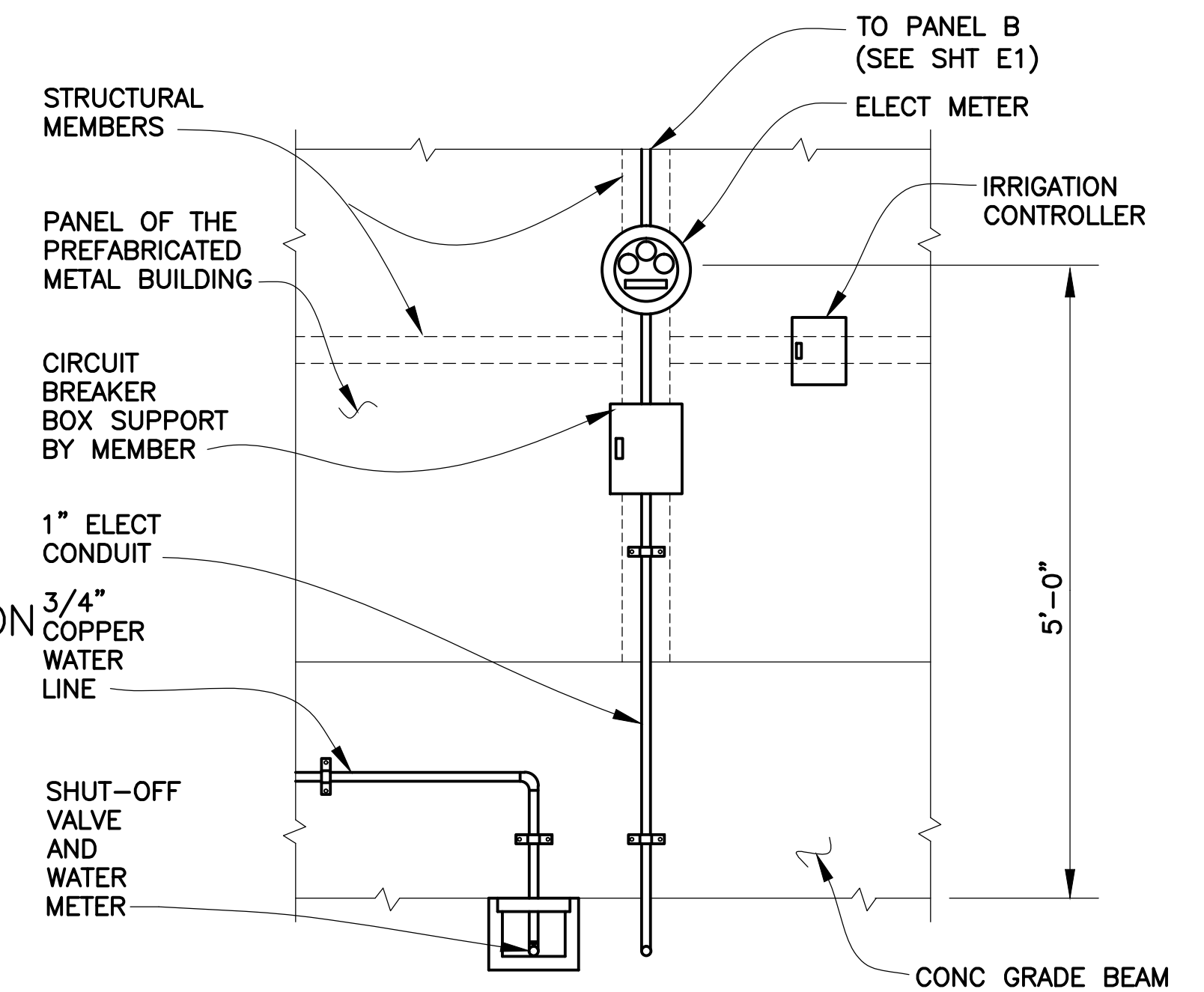
A DRAINAGE PIPE TRENCH DETAIL
C2/C5 SCALE: 1/2" = 1'-0"



B TYPICAL REINFORCEMENTS FOR PIPE CONNECTION AT INLET WALL - SECTION
NO SCALE



C TYPICAL PIPE SLICE DETAIL
NO SCALE



C UTILITY ELEVATION
C3/C5 NO SCALE

ISSUED FOR BID

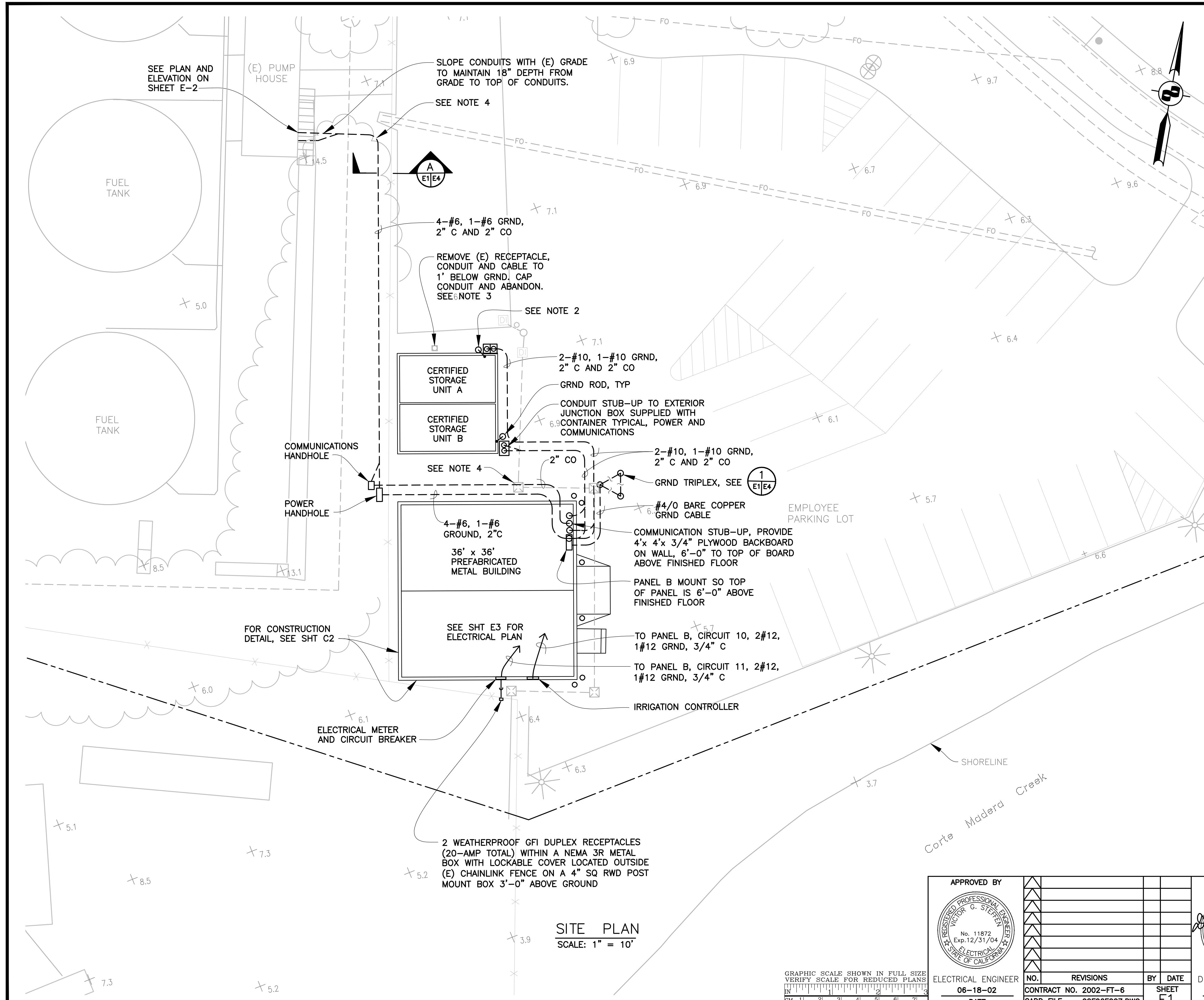
APPROVED BY
JERRY D. KAO
No. 27069
Exp. 3/31/05
CIVIL
STATE OF CALIFORNIA
PROJECT ENGINEER
06-18-02
DATE

NO.	REVISIONS	BY	DATE
1	CONTRACT NO. 2002-FT-6		
2	CADD FILE 02F06C006.DWG		
3			
4			
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6			
7			
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9			
10			

APPROVED BY
JERRY D. KAO
No. 27069
Exp. 3/31/05
CIVIL
STATE OF CALIFORNIA
DISTRICT ENGINEER
06-18-02
DATE

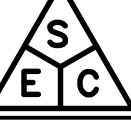
GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT
LARKSPUR FERRY TERMINAL MATERIALS STORAGE FACILITIES
CONSTRUCTION DETAILS
DESIGNED BY S.K. CHECKED BY J.K. DRAWN BY G.M.
SCALE AS NOTED DATE 14JUN02


GRAPHIC SCALE SHOWN IN FULL SIZE
VERIFY SCALE FOR REDUCED PLANS
IN 1" 2" 3" 4" 5" 6" 7" 8" 9" 10"




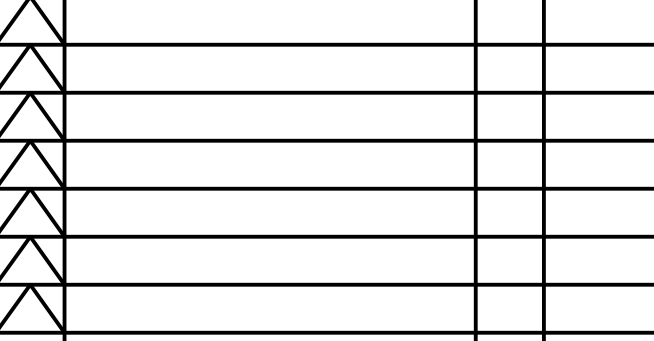

- NOTE:**
1. COORDINATE ALL ELECTRICAL WORK WITH CONTAINER FEATURES, BUILDING COMPONENTS AND WORK OF OTHER TRADES.
 2. PROVIDE GROUND ROD WITH #4/0 AWG BARE COPPER GROUND CABLE, WITH EXOTHERMIC WELD TO ROD AND EXTEND CABLE TO GROUND LUG ON CONTAINER.
 3. IT IS BELIEVED THAT THIS RECEPTACLE IS POWERED FROM PANEL 1A. FIELD VERIFY WHICH CIRCUIT SUPPLIES THIS DEVICE. DISCONNECT CIRCUIT AT SOURCE, REMOVE AS MUCH WIRE AS POSSIBLE AND ABANDON CONDUIT IN PLACE.
 4. USE EXTREME CARE IN EXCAVATING IN THIS AREA AS THERE IS A HIGH PROBABILITY OF OF UNDERGROUND UTILITIES IN THIS AREA.

ISSUED FOR BID

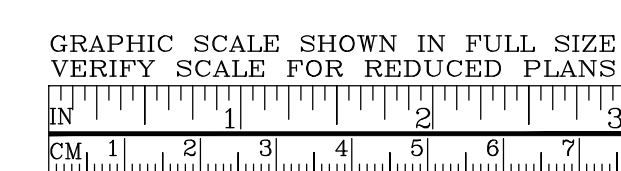
**STEFFEN ENGINEERING CO**
CONSULTING ENGINEERS

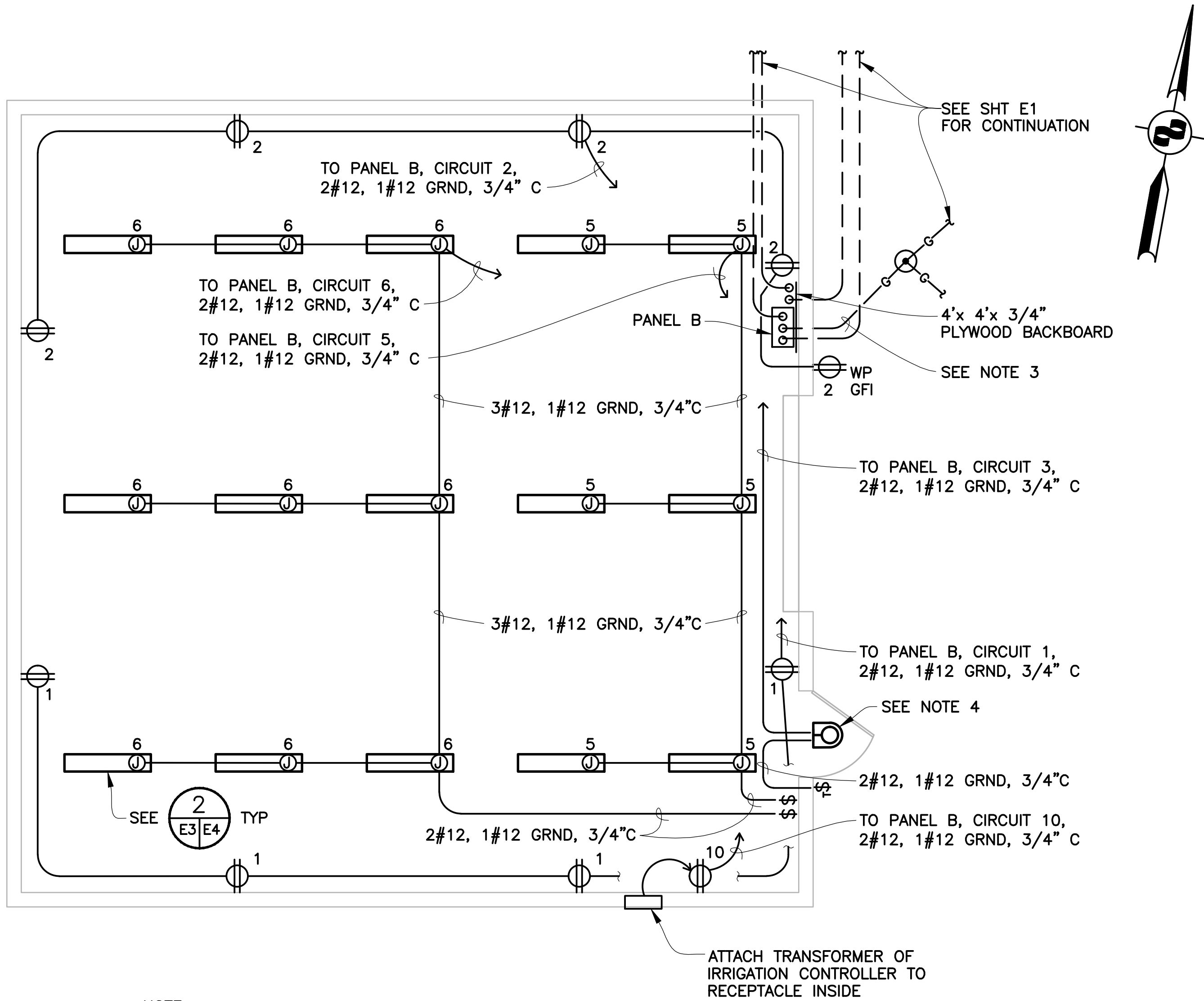
**GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT**
LARKSPUR FERRY TERMINAL MATERIALS STORAGE FACILITIES
ELECTRICAL SITE PLAN

DESIGNED BY	V.S.	CHECKED BY	J.K.	DRAWN BY	G.M.
SCALE	AS NOTED	DATE	14JUN02		

 ELECTRICAL ENGINEER 06-18-02 DATE	APPROVED BY		APPROVED BY	
				
	NO. _____		NO. _____	
CONTRACT NO. 2002-FT-6		SHEET E1		
CADD FILE 02F06E007.DWG		DATE _____		

SITE PLAN
SCALE: 1" = 10'





NOTE:
LIGHT FIXTURE SHOWN AS REFLECTED CEILING PLAN

STORAGE BUILDING ELECTRICAL PLAN

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

LIGHTING FIXTURE SCHEDULE				
TYPE	DESCRIPTION	# LAMPS WATTAGE	VOLTS	CATALOG NO.
A	INDUSTRIAL FLOURESCENT FIXTURE W/ REFLECTOR AND 10% UPLIGHT PENDANT HUNG, 0°F BALLAST	2 32W/EA	120	LITHONIA #AF10-2-32-120-GEBIORS
B	OUTDOOR INCANDESCENT WALLPACK W/ GALVANIZED SHEET METAL SHIELD	1 100W	120	HOLOPHANE #WL2K-30DIN-12-GR

LEGEND & ABBREVIATIONS:

	FLOURESCENT LIGHT FIXTURE
	LIGHT SWITCH
	TWIST TYPE TIMER SWITCH 0-60 MINUTE
	DUPLEX RECEPTACLE
	EXPOSED CONDUIT
	UNDERGROUND DIRECT BURIED CONDUIT
	GROUND ROD
	#4/0 BARE COPPER GROUND CABLE
	POWER PANEL WITH CONDUIT STUB-UPS SHOWN
	CONDUIT STUB-UP
	INCANDESCENT AREA LIGHT
	CONDUIT ONLY
	ABOVE FINISHED FLOOR

NOTES:

- ALL SYSTEMS, EQUIPMENT AND MATERIALS SHOWN ARE NEW AND SHALL BE PROVIDED UNDER THIS CONTRACT, UNLESS OTHERWISE NOTED. LIGHT LINWORK DENOTES EXISTING SYSTEMS, HEAVY LINWORK DENOTES NEW WORK UNDER THIS CONTRACT.
- CARRY GROUND CONDUCTOR TO ALL EQUIPMENT, DEVICES, AND OUTLETS AND BOND AT ALL LOCATIONS.
- BOND INCOMING GROUND CABLE TO BUILDING STEEL AT ONE LOCATION, TO PANEL B GROUND BUS AND LEAVE 6' PIGTAIL AT PLYWOOD BACKBOARD. CABLE TO BUILDING STEEL BY EXOTHERMIC WELD.
- THE OUTDOOR LIGHT SHALL BE SHIELDED TO DIRECT THE LIGHT DOWN TO AN AREA IN FRONT OF THE ACCESS DOOR ONLY.

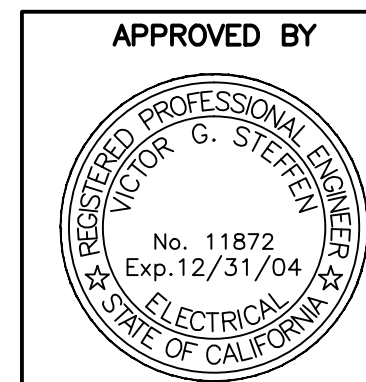
SUPPLY: <input checked="" type="checkbox"/> -BOTT. <input type="checkbox"/> -TOP <input type="checkbox"/> -LUGS <input checked="" type="checkbox"/> -MAIN BRKR.				<input type="checkbox"/> -LTG. <input checked="" type="checkbox"/> -RECEPT. <input type="checkbox"/> - NEMA			
TYPE: <input type="checkbox"/> -3P3W <input checked="" type="checkbox"/> -3P4W <input checked="" type="checkbox"/> -WITH GRD. BAR				MOUNTING <input checked="" type="checkbox"/> -SURFACE <input type="checkbox"/> -FLUSH <input type="checkbox"/> -COLUMN			
MAINS: 100 A 10,000 A.I.C				VOLTAGE <input checked="" type="checkbox"/> -120/208 <input type="checkbox"/> -277/480 <input type="checkbox"/> - /			
PANEL B				60 A. MAIN BRKR. WITH <input type="checkbox"/> -SHUNT. TRIP <input type="checkbox"/> -ADJ. TRIP <input type="checkbox"/> -G.F.P.			

CKT. NO.	TRIP	NO. OF POLES	USED FOR	COL. #1 VOLT - AMPS			COL. #2 VOLT - AMPS	USED FOR	NO. OF POLES	TRIP	CKT. NO.
				A	B	C					
1	20	1	RECEPTACLES SOUTH	800			800	RECEPTACLES NORTH	1	20	2
3	20	1	OUTDOOR LIGHT		100		500	CONTAINER B	1	20	4
5	20	1	LIGHTING FRONT			420	640	LIGHTING REAR	1	20	6
7	20	1	SPARE					SPARE	1	20	8
9	20	1	CONTAINER A		500		20	IRRIGATION CONTROL	1	20	10
11	20	1	SEA SCOUTS RECEPTACLE			400		SPARE	1	20	12
13	20	1	SPARE					SPACE			14
15			SPACE								16
17			↓								18
19											20
21											22
23			↓								24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42

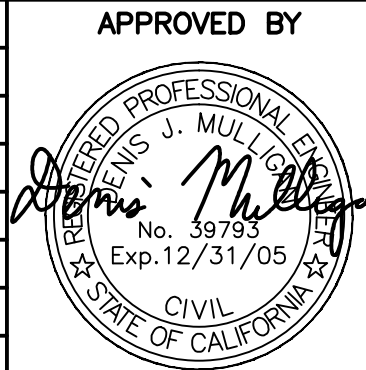
PHASE TOTALS COL. #1	800	800	820
PHASE TOTALS COL. #2	800	520	640
PHASE TOTAL VA	1600	1300	1460

TOTAL 3 PHASE CONNECTED	4380	KVA	14	AMPS
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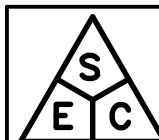
ISSUED FOR BID



APPROVED BY
ELECTRICAL ENGINEER
06-18-02
DATE



APPROVED BY
DISTRICT ENGINEER
06-18-02
DATE



STEFFEN ENGINEERING CO
CONSULTING ENGINEERS



GOLDEN GATE BRIDGE, HIGHWAY
AND TRANSPORTATION DISTRICT

LARKSPUR FERRY TERMINAL
MATERIALS STORAGE FACILITIES

ELECTRICAL PLAN,
LEGEND, AND SCHEDULES

DESIGNED BY V.S. CHECKED BY J.K. DRAWN BY G.M.
SCALE AS NOTED DATE 14JUN02

GRAPHIC SCALE SHOWN IN FULL SIZE
VERIFY SCALE FOR REDUCED PLANS
IN 1 2 3 4 5 6 7 8

