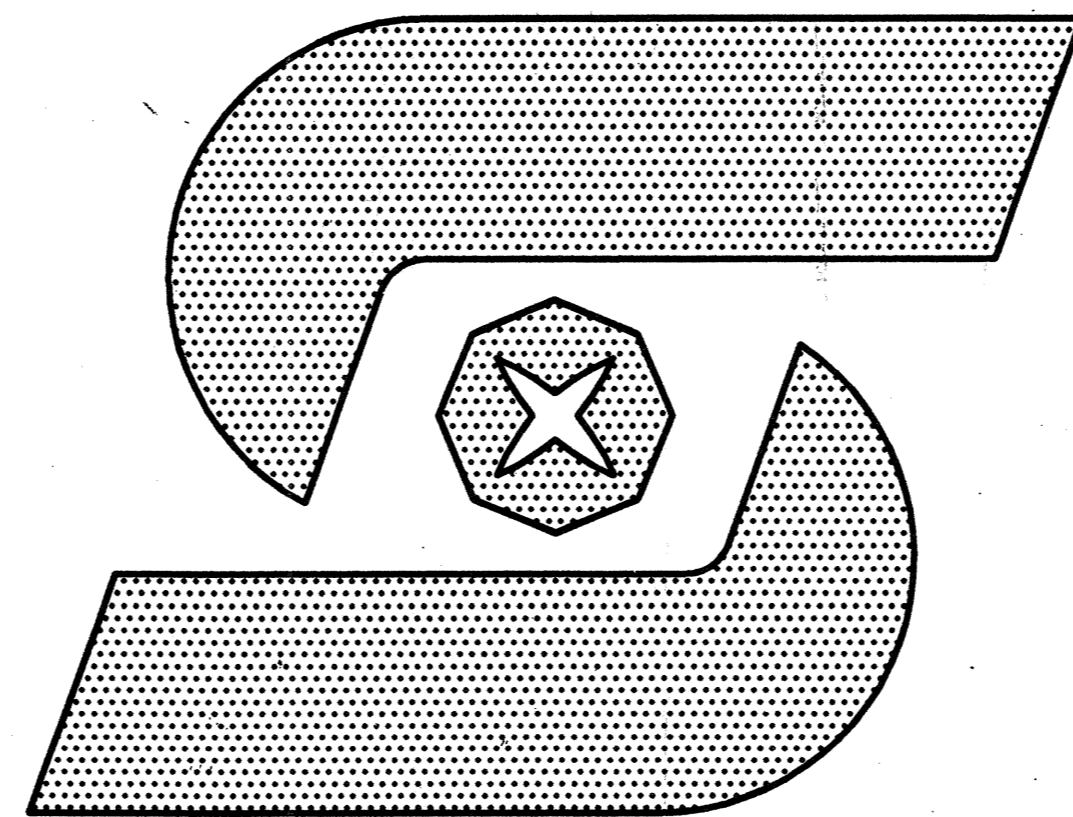


CITY OF STOCKTON, CALIFORNIA



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS MAIN TREATMENT PLANT TO FOURTEENMILE SLOUGH PUMP STATION PROJECT NO. 91-03



CALL U.S.A.
BEFORE ANY DIGGING

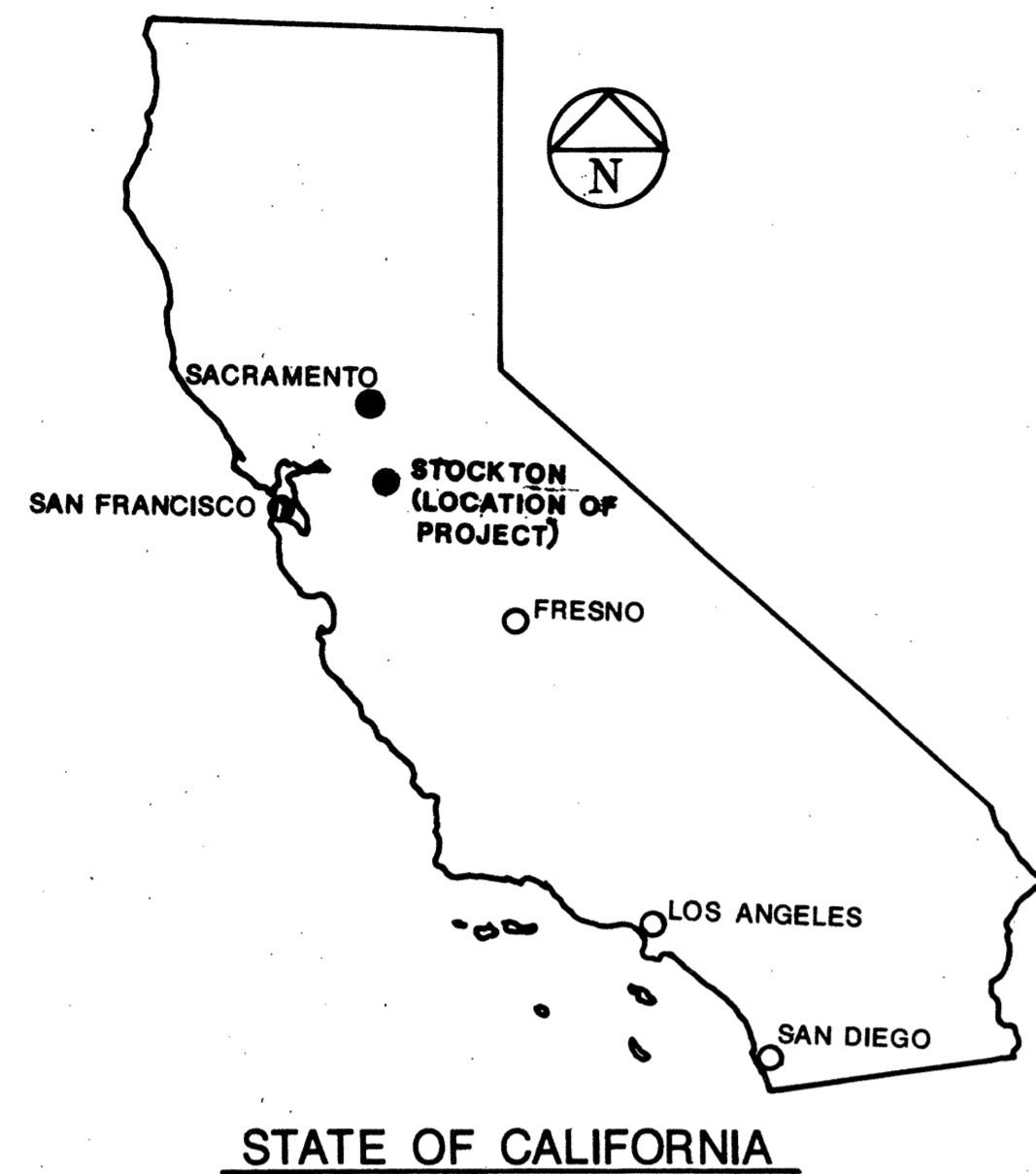
RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED
ON PART OR INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
TITLE SHEET		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE:	APPROVED BY:	DRAWING NO.
DESIGNED:	DATE:	G-1
DRAWN:	<i>[Signature]</i>	SHEET NO.
CHECKED: <i>RPW</i>	<i>Paul M. Searles</i>	1 OF 100
AS BUILT BY: <i>BEH</i>	CITY ENGINEER STOCKTON, CALIF.	JOB NO. 3385D.10

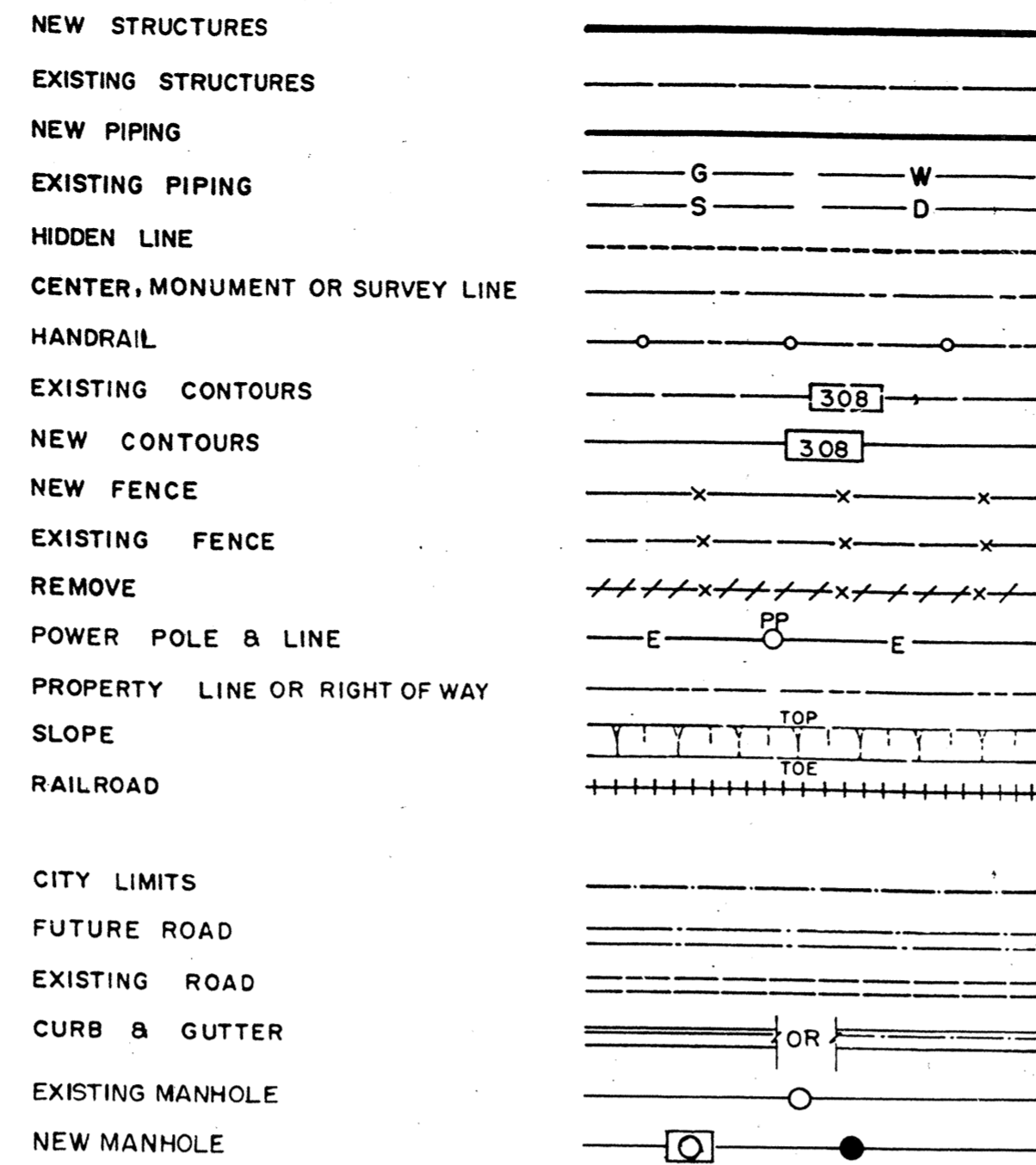
PROJECT ENGINEER 	PARTNER 	ACCEPTABLE TO:
		<i>Donald M. Dohle</i> 8/25/97 ASST. DIRECTOR M.U.D. E/M

DWG LAST EDITED BY: EPAT USER LOGIN TIME: JULY 8, 1997 7:26 AM
 DWG LAST EDITED ON: 07/09/97 15:40:52
 DWG NAME: Q:\STOCKTON\3385D\10\WSD01.DWG
 XREF: C:\P\BEH\WMS

4006Ca



* FOR LOCATION MAP, SEE G-3.



LINE WORK

AB	ANCHOR BOLT	N	NORTH
ABC, AB	AGGREGATE BASE COURSE	N/A	NOT APPLICABLE
ALT	ALTERNATE	NO OR #	NUMBER
ALUM	ALUMINUM	NTS	NOT TO SCALE
ANCH	ANCHOR	OC	ON CENTER
APPROX	APPROXIMATE	OD	OUTSIDE DIAMETER
BC	BEGINNING OF CURVE	OPNG	OPENING
CA	CONCRETE ANCHOR	PCC	POINT OF COMPOUND CURVE
CL OR C	CENTER LINE	PI	POINT OF INTERSECTION
CLR	CLEAR	PL	PLATE
CONC	CONCRETE	P/L	PROPERTY LINE
CONT	CONTINUATION, CONTINUOUS	PRC	POINT OF REVERSE CURVE
DIA OR Ø	DIAMETER	R	RADIUS
DWG	DRAWING	RCP	REINFORCED CONCRETE PIPE
E	EAST	RCP-PL	REINFORCED CONCRETE PIPE PLASTIC LINED
EA	EACH	REINF	REINFORCEMENT
EC	END OF CURVE	REINFC	REINFORCING
EF	EACH FACE	R/W	RIGHT OF WAY
EL	ELEVATION	REQD	REQUIRED
EQUIP	EQUIPMENT	S	SLOPE
EW	EACH WAY	S	SOUTH
FB	FLAT BAR	SCH	SCHEDULE
FG	FINISH GRADE	SGL	SINGLE
FIG	FIGURE	SHT	SHEET
FT	FOOT OR FEET	SPECS	SPECIFICATIONS
H1E	HOOK ONE END	ST STL	STAINLESS STEEL
H2E	HOOK TWO ENDS	STA	STATION
H ₂ O	HYDROGEN PEROXIDE	STD	STANDARD
HORIZ	HORIZONTAL	STL	STEEL
HP	HIGH POINT	STRUCT	STRUCTURAL
HWS	HIGH WATER SURFACE	SQ	SQUARE
ID	INSIDE DIAMETER	T	TANGENT
IN OR"	INCHES	T&B	TOP AND BOTTOM
INV	INVERT	THK	THICK
JT	JOINT	TYP	TYPICAL
L	LENGTH	VCP	VITRIFIED CLAY PIPE
LP	LOW POINT	VERT	VERTICAL
LWS	LOW WATER SURFACE	W	WEST
MATL	MATERIAL	W/	WITH
MAX	MAXIMUM	W/O	WITHOUT
MFRS	MANUFACTURER'S	WS	WATER SURFACE
MIN	MINIMUM	WWF	WELDED WIRE FABRIC
MH	MANHOLE		
MK	MARK		
CD	CONTROL DENSITY FILL		
AC	ASPHALT CONCRETE		

ABBREVIATIONS

LOCATION	DESCRIPTION	COORDINATES		
		NORTH	EAST	ELEV.
NAVY DRIVE	PANEL PT. # 1 P.K. SPIKE IN PAINTED CROSS	524,491.61	1,761,747.13	4.22
BROOKSIDE PUMP STATION	PANEL POINT # 37 NAIL/SHINER CENTER LINE OLD BROOKSIDE ROAD. 8' SOUTHERLY OF PAINTED "STOP" IN ROAD	539,012.74	1,749,328.30	8.44
14 MILE PUMP STATION	PANEL POINT # 49 NAIL/SHINER IN PAINTED CROSS ON OLD ASPHALT ROAD ALONG SOUTH SIDE OF POND AREA	550,019.10	1,748,378.50	-1.69

SEE REVISED BENCHMARKS ON DRAWING G-3R

D	STORM DRAIN
DF	DIESEL FUEL
E	ELECTRICAL
E(UG)	ELECTRICAL (UNDERGROUND)
G	GAS
S	SANITARY SEWER
SPPL	SOUTHERN PACIFIC PIPELINE
T	TELEPHONE
W	WATER
	CUT-OFF WALL
o	MONITORING WELL

PLAN AND PROFILE LEGEND

NOTE: EXISTING MAY BE SCREENED INSTEAD OF DASHED.

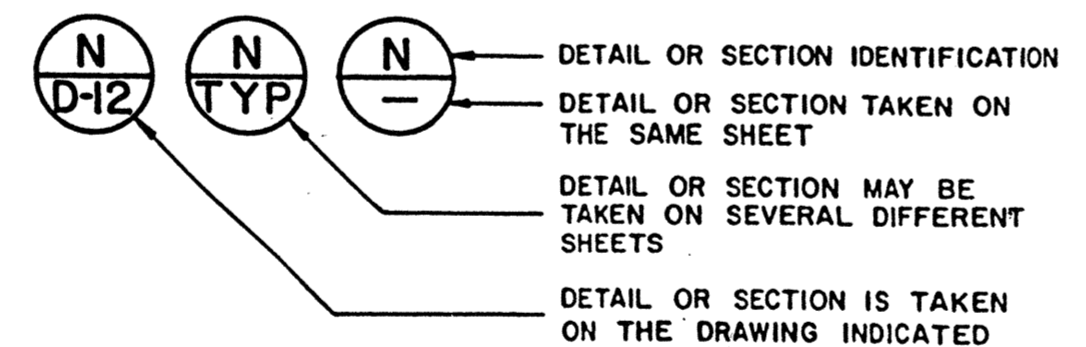
MATERIAL	EXISTING	REMOVE	NEW
CONCRETE, CLASS "A", "B" & "D"	[Pattern]	[Pattern]	[Pattern]
CONCRETE, CLASS "C"	[Pattern]	[Pattern]	[Pattern]
STEEL	[Pattern]	[Pattern]	[Pattern]
CAST IRON OR FIBERGLASS	[Pattern]	[Pattern]	[Pattern]
ALUMINUM	[Pattern]	[Pattern]	[Pattern]
BRICK OR BLOCK	[Pattern]	[Pattern]	[Pattern]
CROSS GRAIN WOOD (FINISHED)	[Pattern]	[Pattern]	[Pattern]
WOOD (STRUCTURAL)	[Pattern]	[Pattern]	[Pattern]
BRONZE, BRASS OR COPPER	[Pattern]	[Pattern]	[Pattern]
GRAVEL	[Pattern]	[Pattern]	[Pattern]
RUBBER	[Pattern]	[Pattern]	[Pattern]
EARTH	[Pattern]	[Pattern]	[Pattern]

VIEW IN PLAN	
WITH GRAIN WOOD (FINISHED)	TREAD PLATE
GRATING	PAVEMENT

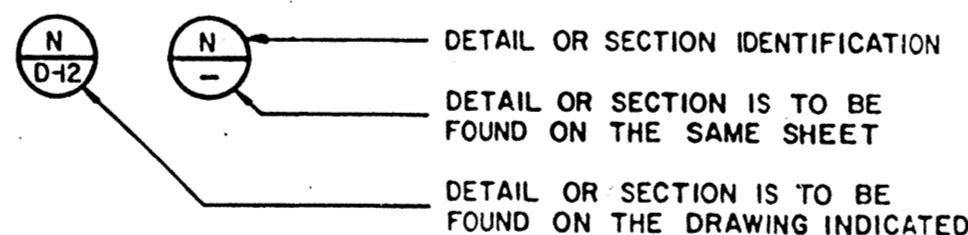
BUILDING MATERIALS LEGEND

UNLESS NOTED OTHERWISE

NOTE: EXISTING MAY BE SCREENED INSTEAD OF DASHED.



AT TITLE



AT CROSS REFERENCE

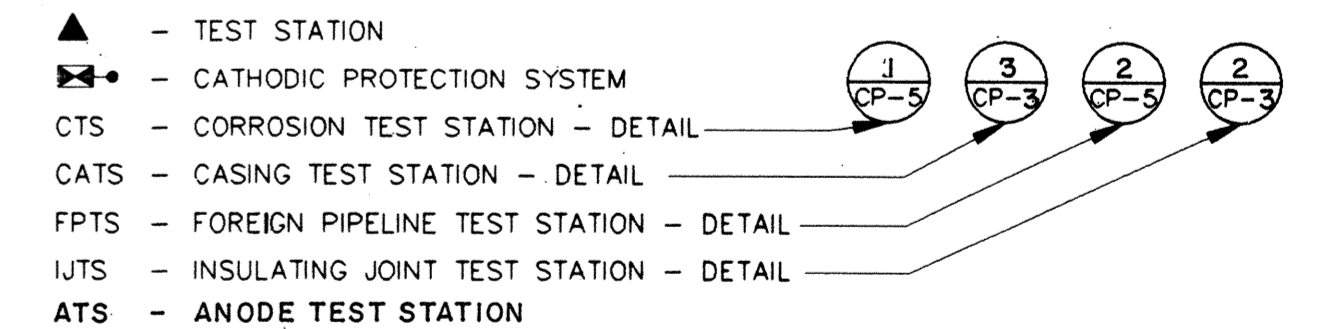
DRAWING CROSS REFERENCING

ACP	ASBESTOS-CEMENT PIPE
BF	BLIND FLANGE
BSCIP	BELL & SPIGOT CAST IRON PIPE
BSP	BLACK STEEL PIPE
CIP	CAST IRON PIPE
CISP	CAST IRON SOIL PIPE
CMLCSP	CEMENT MORTAR LINED AND COATED STEEL PIPE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
DIP	DUCTILE IRON PIPE
ELL	ELBOW
ED	EQUIPMENT DRAIN
FC	FLEXIBLE COUPLING
FCA	FLANGED COUPLING ADAPTER
FLGA	FLANGE ADAPTER
FD	FLOOR DRAIN
GLCIP	GLASS LINED CAST IRON PIPE
GSP	GALVANIZED STEEL PIPE
LR	LONG RADIUS
MH	MANHOLE
MJDIP	MECHANICAL JOINT DUCTILE IRON PIPE
PVCP	RIGID POLYVINYL CHLORIDE PLASTIC PIPE
RCP	REINFORCED CONCRETE PIPE
RCPL	REINFORCED CONCRETE PIPE WITH PLASTIC LINING
RD	ROOF DRAIN
RED	REDUCER
VCP	VITRIFIED CLAY PIPE

PIPE ABBREVIATIONS

CD	CHEMICAL DRAIN
CW	CITY WATER
D	DRAIN, STORM DRAIN
EE	ENGINE EXHAUST
FD	FLOOR DRAIN
FM	RAW WASTEWATER FORCE MAIN
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
NACL ₂	SODIUM CHLORITE SOLUTION
PD	PUMP DRAIN
PW	NON-POTABLE WATER
S	SANITARY SEWER
SA	SERVICE AIR
SW	SEAL WATER
V	VENT
VTR	VENT TO ROOF
W	POTABLE WATER

PIPE SERVICE ABBREVIATIONS



CATHODIC PROTECTION LEGEND

RECORD DRAWING

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

ABBREVIATION, LEGEND & GENERAL NOTES

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

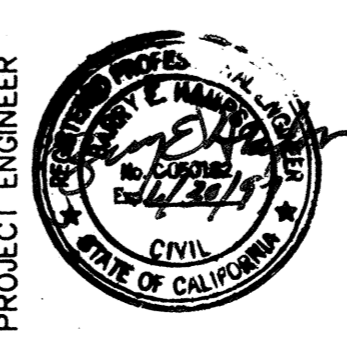
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DESIGNED: JCE	DATE: 1/15/97	SHEET NO. 2 OF 100
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CHECKED: JCE	STOCKTON, CALIF.	
AS BUILT BY: BEH		

4006.1Ca

REV.	DATE	BY	DESCRIPTION
1	1/2000	BEH	RECORD DRAWING

DISCIPLINE ENGINEER

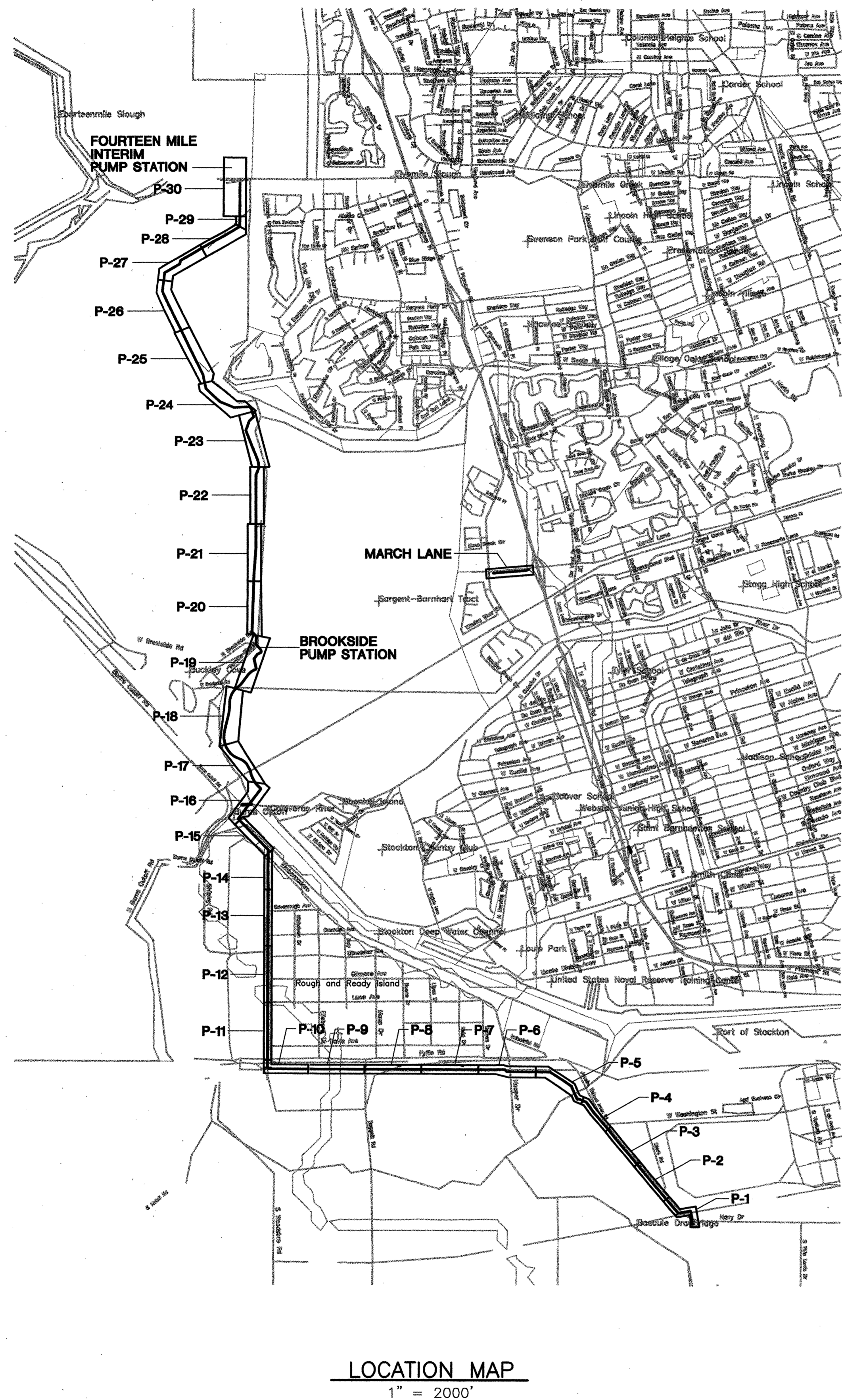
PROJECT ENGINEER



PARTNER



DRAWING INDEX



LOCATION MAP
1" = 2000'

SHEET No. DRAWING No. TITLE

GENERAL

1	G-1	TITLE SHEET
2	G-2	ABBREVIATIONS, LEGEND & GENERAL NOTES
3	G-3	LOCATION MAP AND DRAWING INDEX

PLAN AND PROFILE

4	P-1R	NAVY DRIVE	STA -0+76 TO 11+27
5	P-2	NAVY DRIVE	STA 11+27 TO 23+27
6	P-3	NAVY DRIVE	STA 23+27 TO 35+27
7	P-4R	NAVY DRIVE	STA 35+27 TO 45+71
8	P-5R	ROUGH AND READY ISLAND	STA 45+04 TO 60+68
9	P-6R	ROUGH AND READY ISLAND	STA 60+68 TO 75+91
10	P-7R	ROUGH AND READY ISLAND	STA 75+91 TO 90+91
11	P-8R	ROUGH AND READY ISLAND	STA 90+91 TO 105+91
12	P-9R	ROUGH AND READY ISLAND	STA 105+91 TO 120+91
13	P-10R	ROUGH AND READY ISLAND	STA 120+91 TO 133+67
14	P-11R	ROUGH AND READY ISLAND	STA 133+48 TO 148+48
15	P-12	ROUGH AND READY ISLAND	STA 148+48 TO 163+48
16	P-13	ROUGH AND READY ISLAND	STA 163+48 TO 178+48
17	P-14	ROUGH AND READY ISLAND	STA 178+48 TO 187+92
18	P-15	ROUGH AND READY ISLAND	STA 187+92 TO 199+85
19	P-16	STOCKTON DEEP WATER CHANNEL	STA 199+85 TO 212+48
19A	P-16R	MISCELLANEOUS DETAILS	
20	P-17	BROOKSIDE ESTATES	STA 212+48 TO 226+41
21	P-18	BROOKSIDE ESTATES	STA 226+41 TO 242+41
22	P-19	BROOKSIDE ESTATES	STA 242+41 TO 306+29
23	P-20	TENMILE LEVEE	STA 306+29 TO 321+28
24	P-21	TENMILE LEVEE	STA 321+28 TO 336+30
25	P-22	TENMILE LEVEE	STA 336+30 TO 351+44
26	P-23	TENMILE LEVEE	STA 351+44 TO 367+40
27	P-24	FOURTEENMILE LEVEE	STA 367+40 TO 383+67
28	P-25	CORTOPASSI REALIGNMENT	STA 383+67 TO 399+30
29	P-26	CORTOPASSI REALIGNMENT	STA 399+30 TO 413+50
30	P-27	CORTOPASSI REALIGNMENT	STA 413+50 TO 427+50
31	P-28	CORTOPASSI REALIGNMENT	STA 427+50 TO 438+90
32	P-29	CORTOPASSI REALIGNMENT	STA 438+90 TO 441+56
33	P-30	FOURTEENMILE PUMP STATION	STA 441+56 TO 450+30

TYPICAL DETAILS

34	T-1	TYPICAL DETAILS
35	T-2	TYPICAL DETAILS
36	T-3	TYPICAL DETAILS
37	T-4	TYPICAL DETAILS
38	T-5	TYPICAL DETAILS
39	T-6	TYPICAL DETAILS
40	T-7	TYPICAL DETAILS
41	T-8	TYPICAL DETAILS
42	T-9	TYPICAL DETAILS
43	T-10	TYPICAL DETAILS
44	T-11	TYPICAL DETAILS
45	T-12	TYPICAL DETAILS
46	T-13	TYPICAL DETAILS
46A	T-13R	TYPICAL DETAILS

BROOKSIDE PUMP STATION WET PIT/DRY PIT ALTERNATIVE

47	BPS-1	SITE PLAN - WET PIT/DRY PIT ALTERNATIVE
48	BPS-2	ELEVATION, SECTIONS AND DETAILS
49	BPS-3	FLOOR PLAN EL 35.00, EL 16.00 AND SECTIONS
49A	BPS-3R	MISCELLANEOUS DETAILS
50	BPS-4	MAIN FLOOR PLAN EL 3.00, ROOF FRAMING AND SECTIONS
51	BPS-5	SECTIONS AND HVAC PLAN
52	BPS-6	SECTIONS AND DETAILS
53	BPS-7	SECTIONS AND DETAILS
54	BPS-8	PLANS, SECTIONS AND DETAILS
55	BPS-9	PLAN EL 3.00 LIGHTING, POWER AND MCC
55A	BPS-9R	ELECTRICAL RECORD DRAWING DETAILS
56	BPS-10	PLAN EL -16.00 AND EL -35.00 LIGHTING AND POWER
57	BPS-11	SINGLE LINE DIAGRAM

BROOKSIDE PUMP STATION SUBMERSIBLE PUMP ALTERNATIVE

58	BPSB-1	SITE PLAN - SUBMERSIBLE PUMP ALTERNATIVE
58A	BPSB-1AR	BROOKSIDE PUMP STATION - SITE PLAN
59	BPSB-2R	MAIN FLOOR PLAN AND DETAILS
60	BPSB-3R	FLOOR PLAN AT EL -16.00 AND -25.00
61	BPSB-4R	SECTIONS AND DETAILS
62	BPSB-5	EXTERIOR ELEVATIONS
63	BPSB-6R	HVAC MAIN FLOOR PLAN AND ROOF FRAMING PLAN
64	BPSB-7	SECTIONS AND DETAILS
64A	BPSB-7R	BROOKSIDE PUMP STATION - SECTIONS AND DETAILS
65	BPSB-8	ELECTRICAL PLAN AND DETAILS
66	BPSB-9R	MARCH LANE VALVE BOX POWER PLAN
67	BPSB-10	P&ID
68	BPSB-11	P&ID

NOTE: ~~BPSB-5~~ THESE SHEETS WERE NOT CONSTRUCTED.

SHEET No. DRAWING No. TITLE

FOURTEENMILE PUMP STATION

69	MPS-1	SITE PLAN
69A	MPS-1R	RFP NO.23 - 14 MILE PUMP STATION FLOOD PROOFING
70	MPS-2	FLOOR PLAN
71	MPS-3	SECTIONS AND DETAILS
72	MPS-4	EXTERIOR ELEVATIONS
73	MPS-5	HVAC PLAN
74	MPS-6	ROOF PLAN AND DETAILS
75	MPS-7	ROOF FRAMING PLAN AND DETAILS
76	MPS-8	FOUNDATION PLAN
77	MPS-9	FOUNDATION DETAILS
78	MPS-10	STRUCTURAL DETAILS
79	MPS-11	ELECTRICAL SITE PLAN
80	MPS-12	PLAN EL 1.00 LIGHTING, POWER AND MCC
80A	MPS-12R	ELECTRICAL RECORD DRAWING DETAILS
81	MPS-13	SEWAGE PUMP - PLAN AND SECTION
82	MPS-14	SINGLE LINE DIAGRAM
82A	MPS-15R	P & ID FOR 14 MILE PUMP STATION

CIVIL DETAILS

83	CD-1	PLAN MANHOLE NO. 2, SECTIONS AND DETAILS
84	CD-2	ROAD CROSS SECTIONS
	CD-3	(DELETED)
	CD-4	(DELETED)
85	CD-5	SAN JOAQUIN RIVER CROSSING DETAIL
86	CD-6	STOCKTON DEEP WATER CHANNEL CROSSING DETAIL

ELECTRICAL

87	E-1	NOTES AND LEGENDS
88	E-2	TYPICAL DETAILS
89	E-3	TYPICAL DETAILS
90	E-4	SCHEMATIC DIAGRAMS
91	E-5	SCHEMATIC DIAGRAMS

CATHODIC PROTECTION

92	CP-1	CATHODIC PROTECTION SYSTEM LOCATION PLAN AND NOTES
93	CP-2	CATHODIC PROTECTION SYSTEM DETAILS
94	CP-3	CATHODIC PROTECTION SYSTEM DETAILS
95	CP-4	CATHODIC PROTECTION SYSTEM DETAILS
96	CP-5	CATHODIC PROTECTION SYSTEM DETAILS
97	CP-6	CATHODIC PROTECTION SYSTEM DETAILS

TRAFFIC CONTROL

98	TP-1	TRAFFIC CONTROL PLAN, INDEX OF DRAWINGS, WORK ZONES GENERAL NOTES, LEGEND
99	TP-2	TRAFFIC CONTROL PLAN A - NAVY DRIVE
100	TP-3	TRAFFIC CONTROL PLANS B & C NAVY DRIVE/WASHINGTON STREET

STOCKTON WESTSIDE SEWER INTERCEPTOR CONTROL MONUMENTS

1	3/4" IRON PIN, 14 MILE SLOUGH, WATER SIDE OF LEVEE, 229 FEET SOUTH OF POWER POLE WITH TRANSFORMER. N 550,188.85 E 1,749,474.85 ELEV. 8.63	7	PUNCH MARK IN NORTH RIM OF SEWER MANHOLE, HUMPHREYS AVENUE AND EMBARCADERO STREET, ROUGH & READY ISLAND. N 534,085.88 E 1,750,115.18 ELEV. 10.71
2	3/4" IRON PIN, 14 MILE SLOUGH, WATER SIDE OF LEVEE, 35' SOUTH OF WATER SIDE FENCE POST, 31 FEET SOUTH OF LAND SIDE FENCE POST AT GATE CROSS LEVEE. N 548,709.87 E 1,748,550.23 ELEV. 9.44	8	NAIL & SHINER IN FLIGHT CROSS # 22, CENTER LINE OF HUMPHREYS AVENUE AND SOUTH LINE OF DAVIS AVENUE, ROUGH AND READY ISLAND. N 529,003.83 E 1,750,104.81 ELEV. -0.31
3	3/4" IRON PIN WITH CAP L.S. 4334, CITY MONUMENT 12N-2, TEN MILE LEVEE, NORTH TURN OUT, 1500' NORTH OF P.G. & E. ELECTRIC TRANSMISSION LINE. N 544,044.08 E 1,750,090.92 ELEV. 15.94	9	NAIL & SHINER IN FLIGHT CROSS # 18, CENTER LINE OF HUGHES AVENUE, NORTH & READY ISLAND, WILL BE DESTROYED BY CONSTRUCTION, REFERENCE POINTS SHOULD BE SET. N 528,458.65 E 1,751,565.63 ELEV. -0.86
4	3/4" IRON PIN WITH CAP L.S. 4334, CITY MONUMENT 12N-1, TEN MILE LEVEE, SOUTH TURN OUT, 2025' SOUTH OF P.G. & E. ELECTRIC TRANSMISSION LINE. N 540,495.12 E 1,749,875.87 ELEV. 15.92	10	NAIL & SHINER IN FLIGHT CROSS # 13, CENTER LINE OF HUGHES AVENUE, NORTH & READY ISLAND, WILL BE DESTROYED BY CONSTRUCTION, REFERENCE POINTS SHOULD BE SET. N 528,449.54 E 1,754,852.64 ELEV. 1.26
5	3/4" IRON PIN, LAND SIDE OF LEVEE, OPPOSITE STOCKTON BAILING CLUB BAY, 214' SOUTH OF GATE CROSSING LEVEE. N 1,748,761.63 ELEV. 12.41	11	BRASS DISK STAMPED CITY MONUMENT 10S-2 IN MONUMENT BOX, WEST SIDE OF TRAFFIC ISLAND, NAVY DRIVE AND WASHINGTON STREET, WILL BE DESTROYED BY CONSTRUCTION, REFERENCE POINTS SHOULD BE SET. N 526,912.01 E 1,754,014.44 ELEV. 6.48
6	3/4" IRON PIN, LAND SIDE OF LEVEE, CALAVERAS RIVER, 10' NORTH OF NAIL AND SHINER IN FLIGHT CROSS IN CENTER OF LEVEE ROAD. N 535,514.69 E 1,750,960.44 ELEV. 16.91	12	BRASS DISK STAMPED CITY MONUMENT 10S-3 15' SOUTH OF CENTER LINE OF TRACKS, A.T. & S.F. RAILROAD, WEST SIDE OF NAVY DRIVE UNDERPASS. N 524,598.17 E 1,751,023.94 ELEV. 18.78

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

LOCATION MAP AND DRAWING INDEX

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

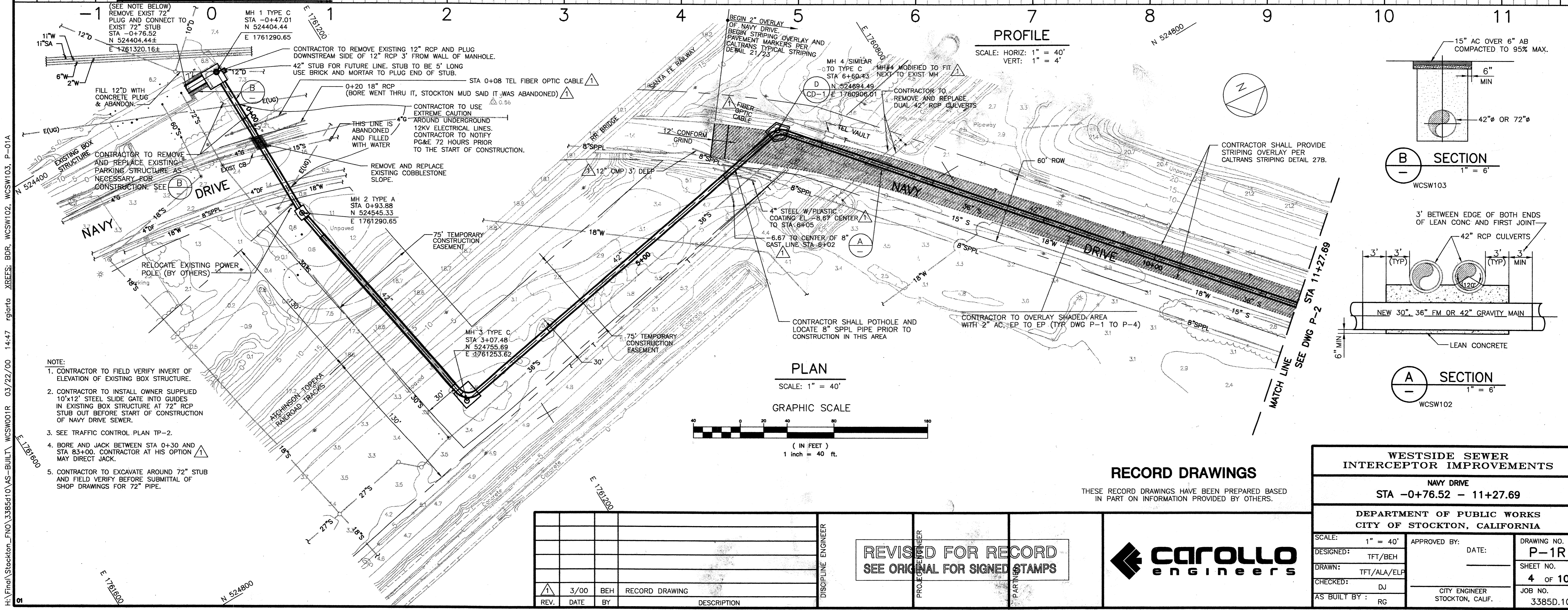
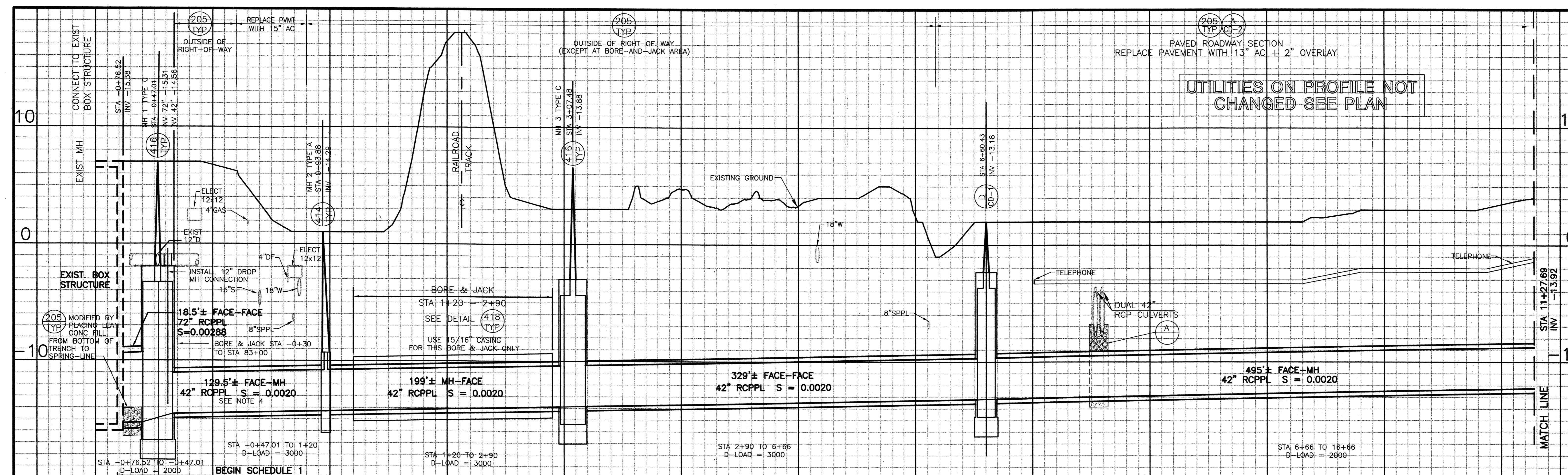
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DESIGNED: JAG		SHEET NO. 3 OF 100
DRAWN: ELP		JOB NO. 3385D.10
CHECKED: DJ	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: PG		

REVISID FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS



DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER
3/2000	BEH	RECORD DRAWING
REV.	DATE	BY
		DESCRIPTION

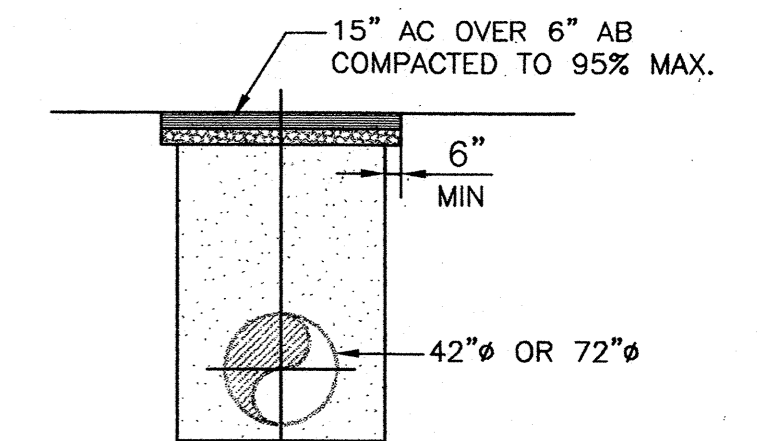
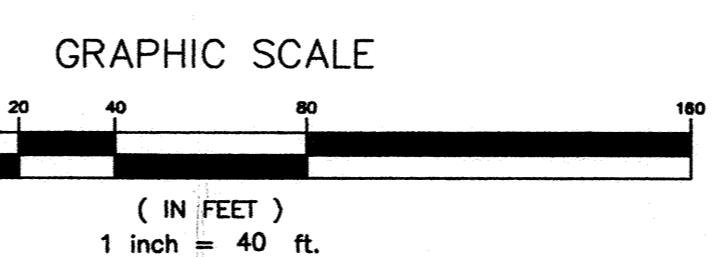
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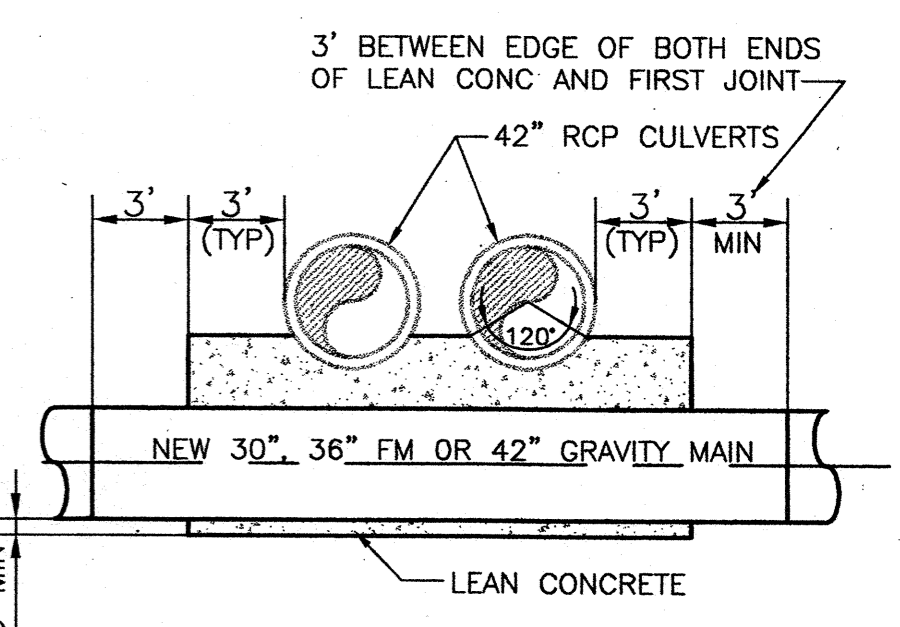
UTILITIES ON PROFILE NOT CHANGED SEE PLAN

PROFILE
SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'

PLAN
SCALE: 1" = 40'



SECTION B
WCSW103
1" = 6'



SECTION A
WCSW102
1" = 6'

- NOTE:
- CONTRACTOR TO FIELD VERIFY INVERT OF ELEVATION OF EXISTING BOX STRUCTURE.
 - CONTRACTOR TO INSTALL OWNER SUPPLIED 10'x12' STEEL SLIDE GATE INTO GUIDES IN EXISTING BOX STRUCTURE AT 72" RCP STUB OUT BEFORE START OF CONSTRUCTION OF NAVY DRIVE SEWER.
 - SEE TRAFFIC CONTROL PLAN TP-2.
 - BORE AND JACK BETWEEN STA 0+30 AND STA 83+00. CONTRACTOR AT HIS OPTION MAY DIRECT JACK.
 - CONTRACTOR TO EXCAVATE AROUND 72" STUB AND FIELD VERIFY BEFORE SUBMITTAL OF SHOP DRAWINGS FOR 72" PIPE.

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS			
NAVY DRIVE			
STA -0+76.52 - 11+27.69			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: 1" = 40'	APPROVED BY:	DATE:	DRAWING NO. P-1R
DESIGNED: TFT/BEH			SHEET NO. 4 OF 100
DRAWN: TFT/ALA/ELP			JOB NO. 3385D.10
CHECKED: DJ	CITY ENGINEER STOCKTON, CALIF.		
AS BUILT BY: RG			

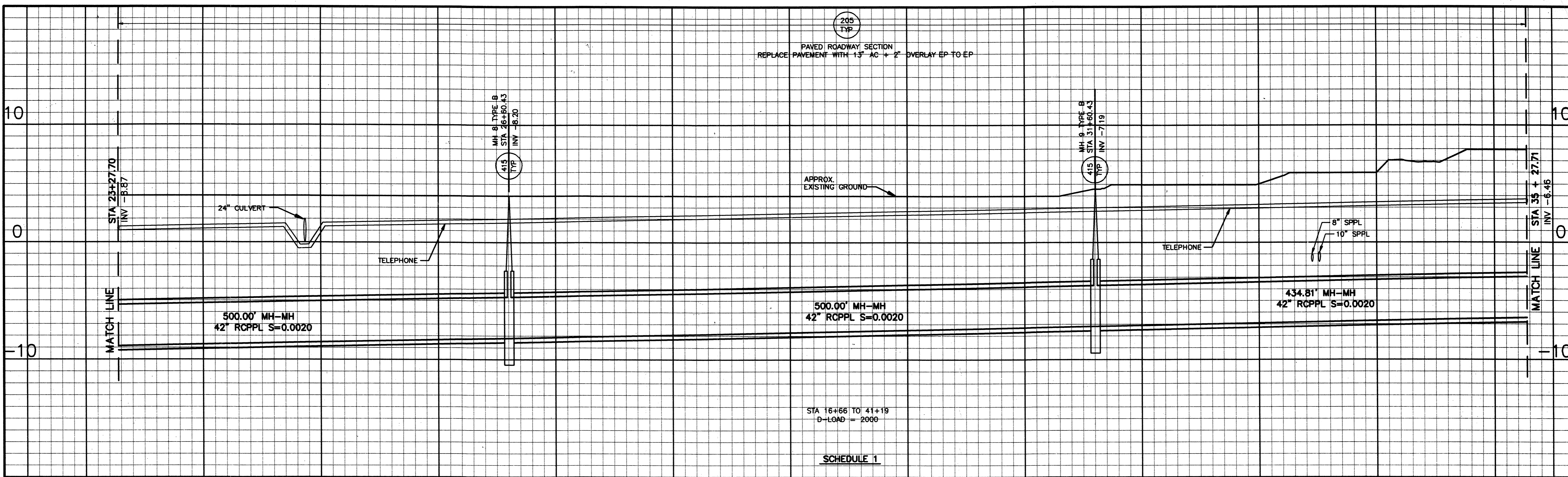
REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS



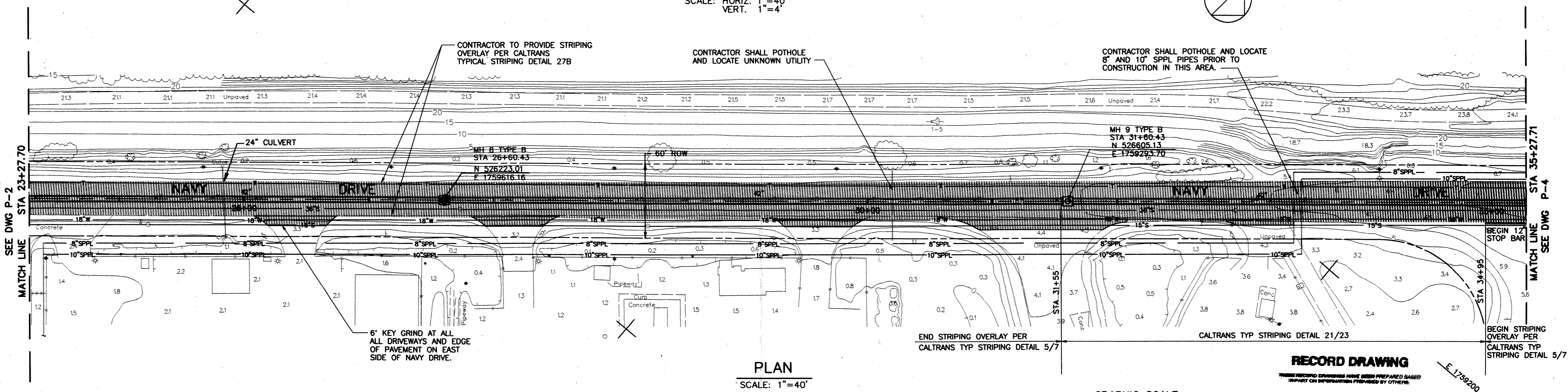
REV.	DATE	BY	DESCRIPTION
3/00		BEH	RECORD DRAWING

H:\Final\Stockton_PNO_3385d10_AS-BUILT WCSW001R 03/22/00 14:47 rglarta_xrefes_bdr_wcsw103_P-01A E 171800

205 TYP
PAVED ROADWAY SECTION
REPLACE PAVEMENT WITH 1.5" AC + 2" OVERLAY EP TO EP

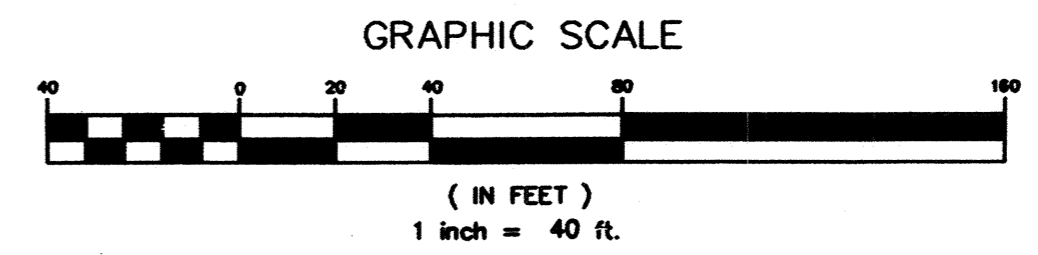


PROFILE
SCALE: HORIZ. 1"=40'
VERT. 1"=4'



PLAN
SCALE: 1"=40'

NOTES:
1. SEE TRAFFIC CONTROL PLAN TP-2.



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED UPON THE INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
NAVY DRIVE
STA 23+27.70 - 35+27.71

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 40'
DESIGNED: TFT/BEH
DRAWN: TFT/ALA/ELF
CHECKED: DJ
AS BUILT BY: PG

APPROVED BY: [Signature]
DATE: 9/21/97
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. P-3
SHEET NO. 6 OF 100
JOB NO. 33850.10

REV.	DATE	BY	DESCRIPTION
3/2000	BEH		RECORD DRAWING

DISCIPLINE ENGINEER
PROJECT ENGINEER
PARTNER

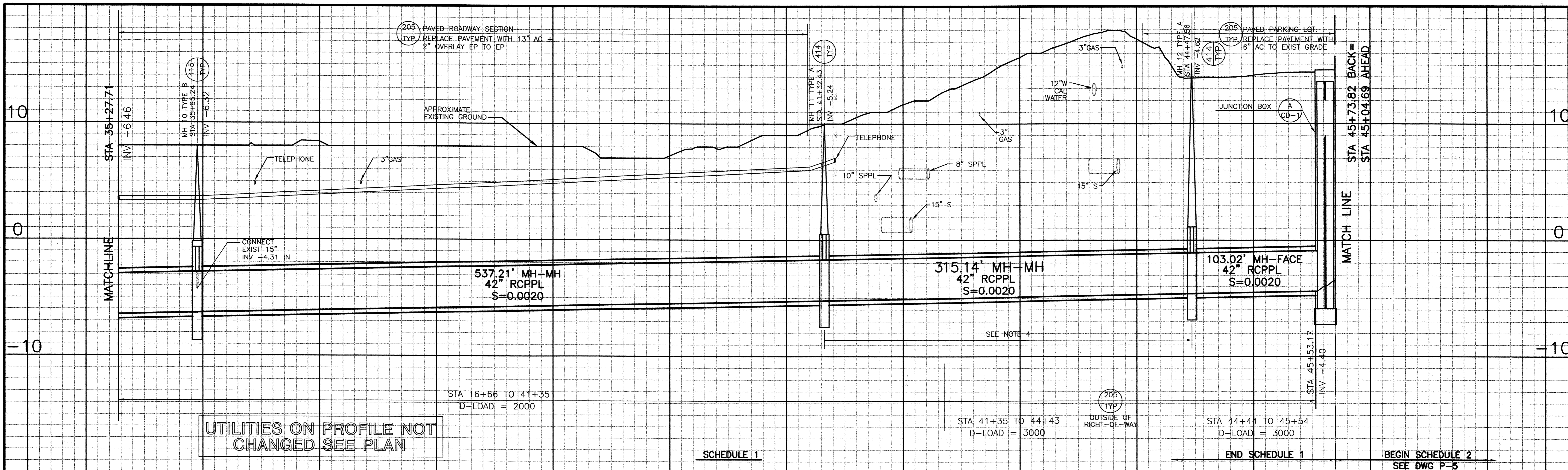
REGISTERED PROFESSIONAL ENGINEER
BARRY E. HANCOCK
No. C50182
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
WALTER A. BIRCH
No. C20240
STATE OF CALIFORNIA

carollo engineers

DWG LAST EDITED BY: EPAT USER LOGIN TIME: JANUARY 21 1997 7:00 AM
 DWG NAME: O:\STOCKTON\33850\DWG\WCS03.DWG
 XREFS: BDR | P-03 | CHP | WAB | BEH |

4006.5Ca



UTILITIES ON PROFILE NOT CHANGED SEE PLAN

SCHEDULE 1

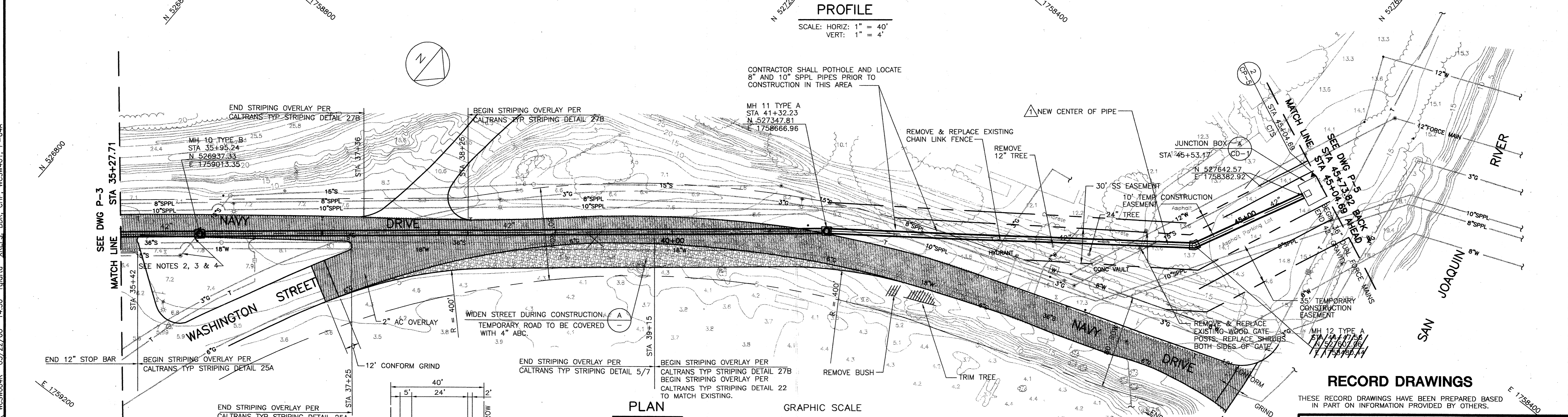
END SCHEDULE 1

BEGIN SCHEDULE 2
SEE DWG P-5

35 36 37 38 39 40 41 42 43 44 45 46

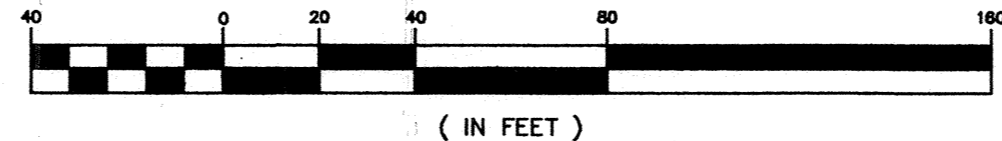
PROFILE

SCALE: HORIZ: 1" = 40'
VERT: 1" = 4'



PLAN

SCALE: 1" = 40'



- NOTES:
- SEE TRAFFIC CONTROL PLAN TP-2.
 - CONSTRUCT MH-10 AROUND EXISTING 15" VCP SEWER. AFTER FINAL ACCEPTANCE OF 42" SEWER, BREAK OUT 15" VCP IN MH-10 FLUSH WITH INTERIOR WALLS.
 - PLUG DOWNSTREAM END WITH MINIMUM 24" PLUG AFTER 15" PORTION IS REMOVED THROUGH MH-10.
 - CONTRACTOR MAY, AT HIS OPTION, BORE & JACK OR DIRECT JACK BETWEEN STA 41+32.43 AND STA 44+47.56. SUBJECT TO REVIEW AND APPROVAL OF CONSTRUCTION MANAGER.

A TEMPORARY ROADWAY
1" = 20'

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
NAVY DRIVE
STA 35+27.71 - 45+73.82

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 40'	APPROVED BY: _____	DRAWING NO. P-4R
DESIGNED: TFT/BEH	DATE: _____	SHEET NO. 7 OF 100
DRAWN: TFT/ALA/ELP		JOB NO. 3385D.10
CHECKED: DJ	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: RG		

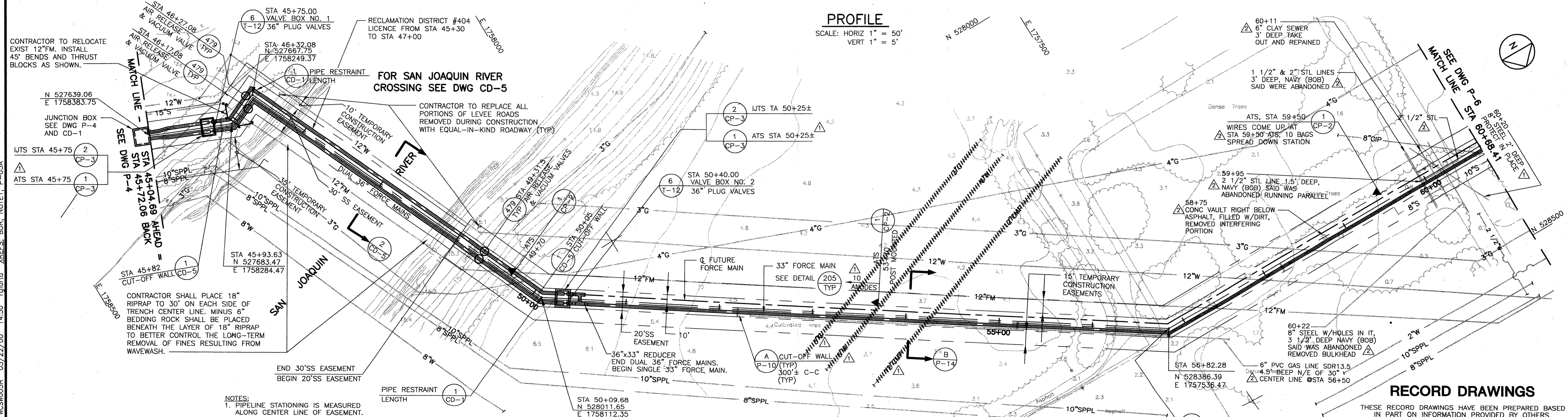
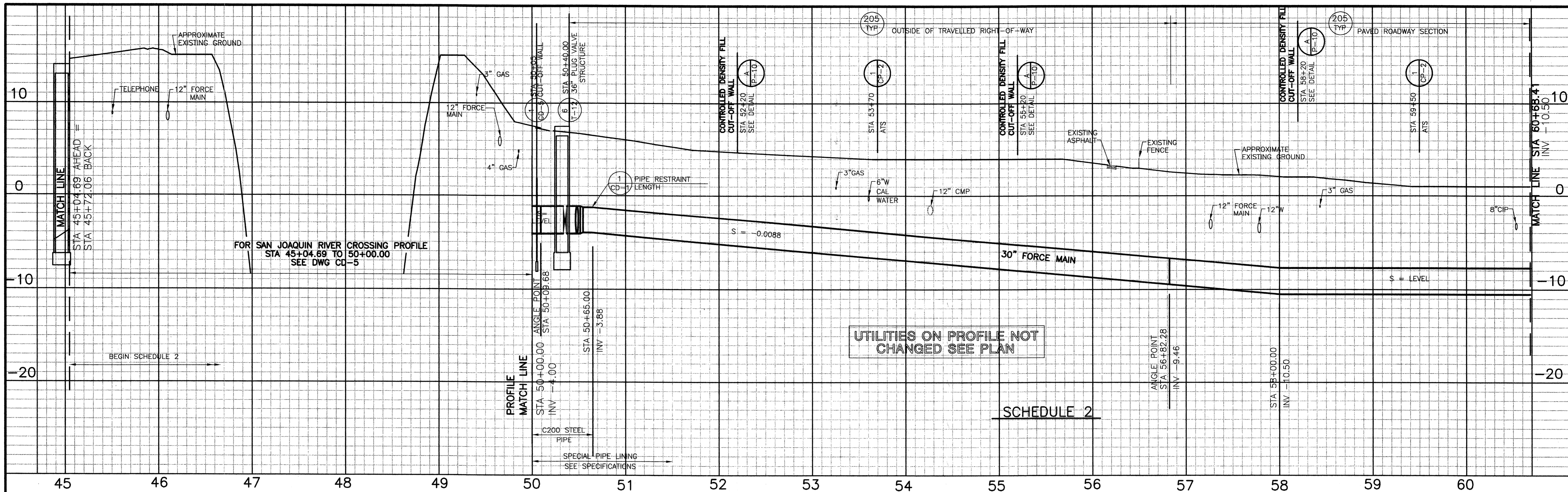
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REV.	DATE	BY	DESCRIPTION
3/00	BEH	RECORD DRAWING	

DISCIPLINE ENGINEER
PROJECT ENGINEER
PARITING

REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS





NOTES:

1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
3. SEE SPECIFICATIONS FOR VARIOUS PERMIT REQUIREMENT

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

REV.	DATE	BY	DESCRIPTION
2	3/00	BEH	RECORD DRAWING
1	5/97	BEH	REVISED CATHODIC PROTECTION NOTES

DISCIPLINE ENGINEER

PROJECT NUMBER

PARTNER

REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS



RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

ROUGH AND READY ISLAND
STA 45+04.69 - 60+68.41

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'

DESIGNED: TFT/BEH
DRAWN: TFT/ALA/ELP
CHECKED: DJ
AS BUILT BY: RG

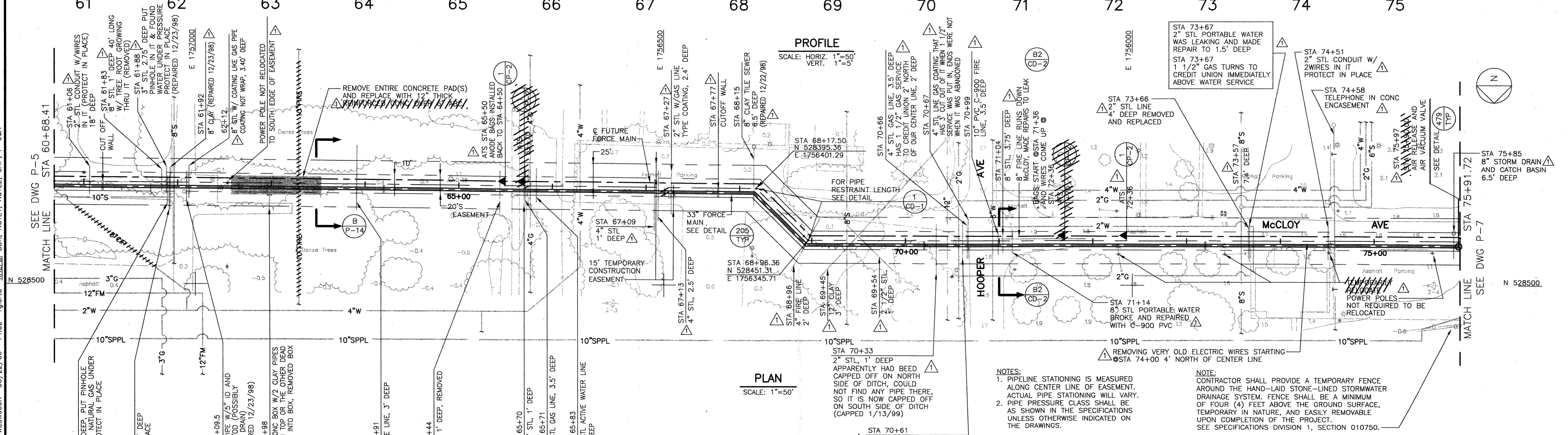
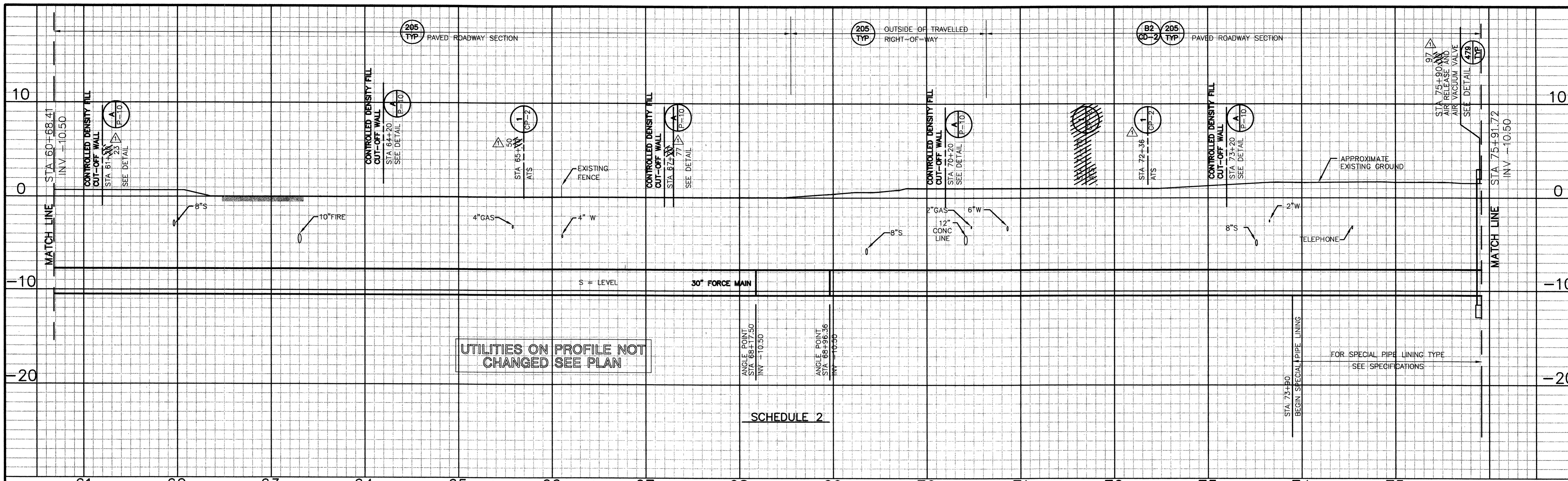
APPROVED BY: _____
DATE: _____
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. P-5R
SHEET NO. 8 OF 100
JOB NO. 3385D.10

4006.7CR

H:\Final\Stockton_FNO_3385d.10_AS-BUILT WCSW005R 03/22/00 14:50 rajarta XREFS: BDR, NOTET, P-05A

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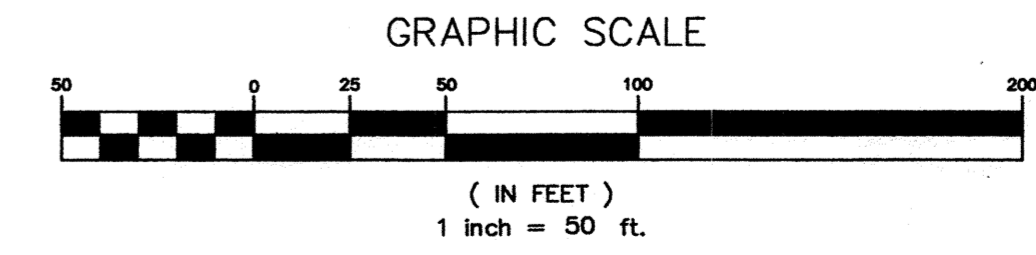


PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

PLAN
SCALE: 1"=50'

- NOTES:**
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
 2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

NOTE:
CONTRACTOR SHALL PROVIDE A TEMPORARY FENCE AROUND THE HAND-LAID STONE-LINED STORMWATER DRAINAGE SYSTEM. FENCE SHALL BE A MINIMUM OF FOUR (4) FEET ABOVE THE GROUND SURFACE, TEMPORARY IN NATURE, AND EASILY REMOVABLE UPON COMPLETION OF THE PROJECT. SEE SPECIFICATIONS DIVISION 1, SECTION 010750.



RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

REV.	DATE	BY	DESCRIPTION
3/00	BEH	RECORD DRAWING	

REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

ROUGH AND READY ISLAND
STA 60+68.41 - 75+91.72

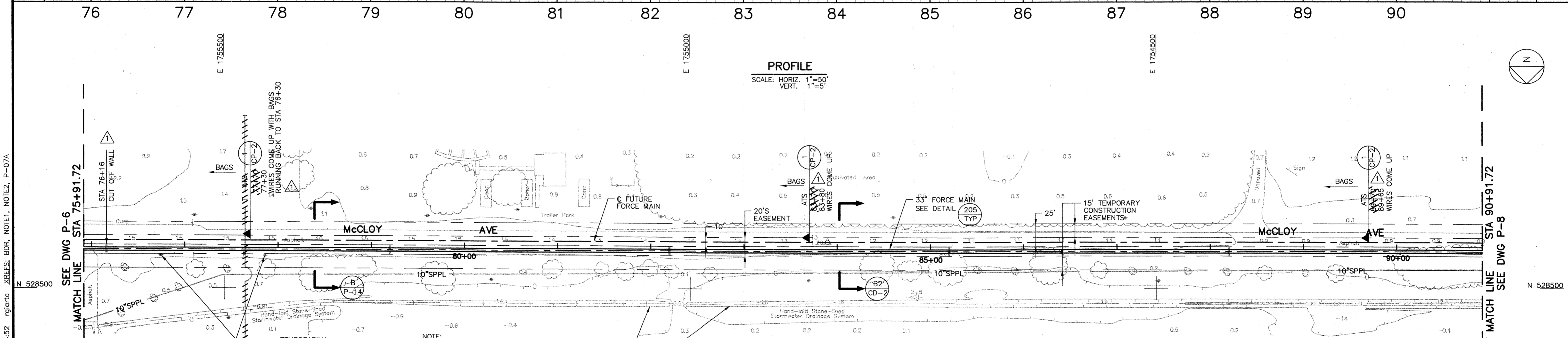
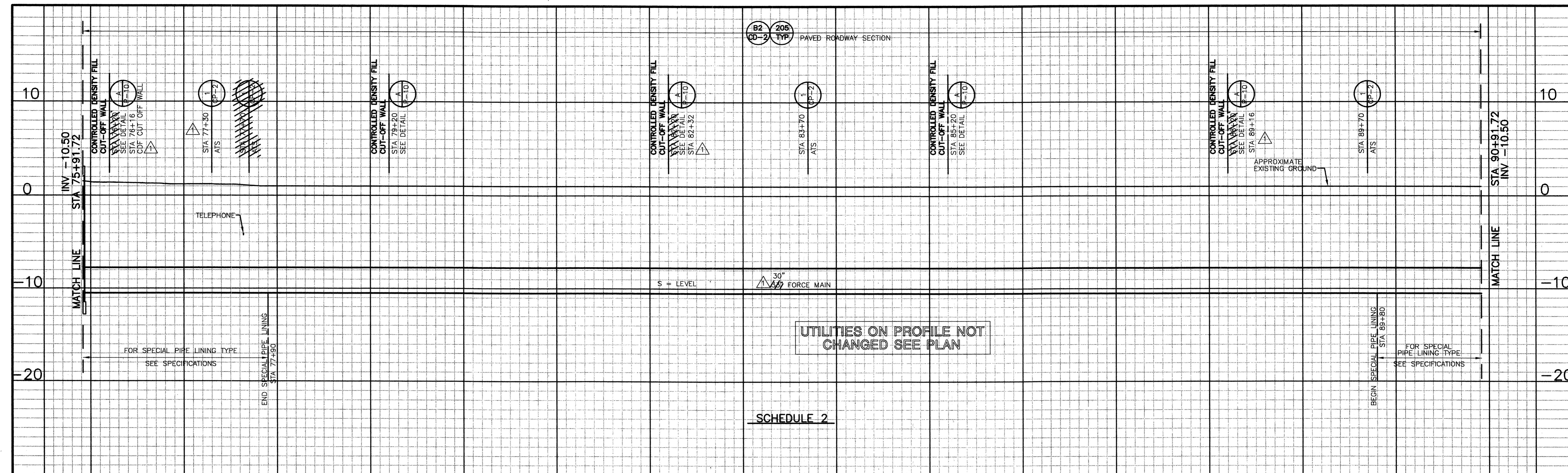
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'

DESIGNED: TFT/BEH
DRAWN: TFT/ALJ/ELF
CHECKED: DJ
AS BUILT BY: RG

APPROVED BY: _____ DATE: _____
CITY ENGINEER
STOCKTON, CALIF.

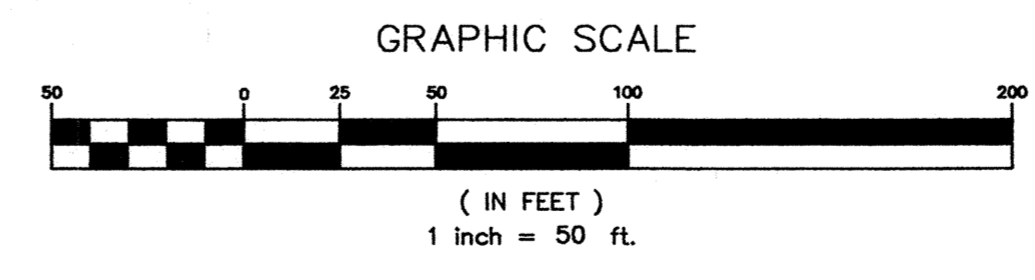
DRAWING NO. **P-6R**
SHEET NO. **9** OF 100
JOB NO. 3385D.10



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NOTE:
 CONTRACTOR SHALL PROVIDE A TEMPORARY FENCE AROUND THE HAND-LAID STONE-LINED STORMWATER DRAINAGE SYSTEM. FENCE SHALL BE A MINIMUM OF FOUR (4) FEET ABOVE THE GROUND SURFACE, TEMPORARY IN NATURE, AND EASILY REMOVABLE UPON COMPLETION OF THE PROJECT.
 SEE SPECIFICATIONS DIVISION 1, SECTION 010750.

NOTES:
 1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
 2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.



RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
 ROUGH AND READY ISLAND
 STA 75+91.72 - 90+91.72
 DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

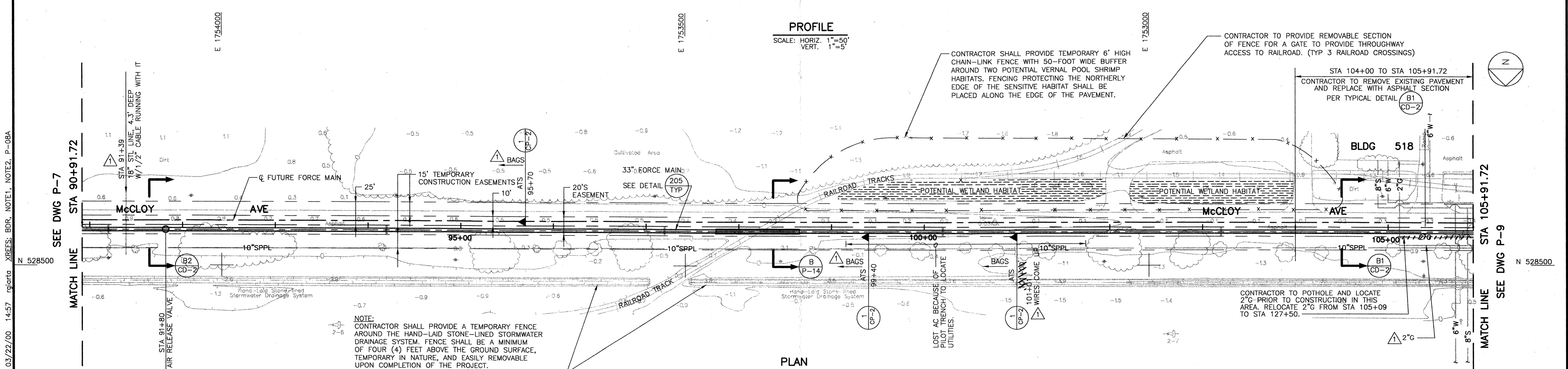
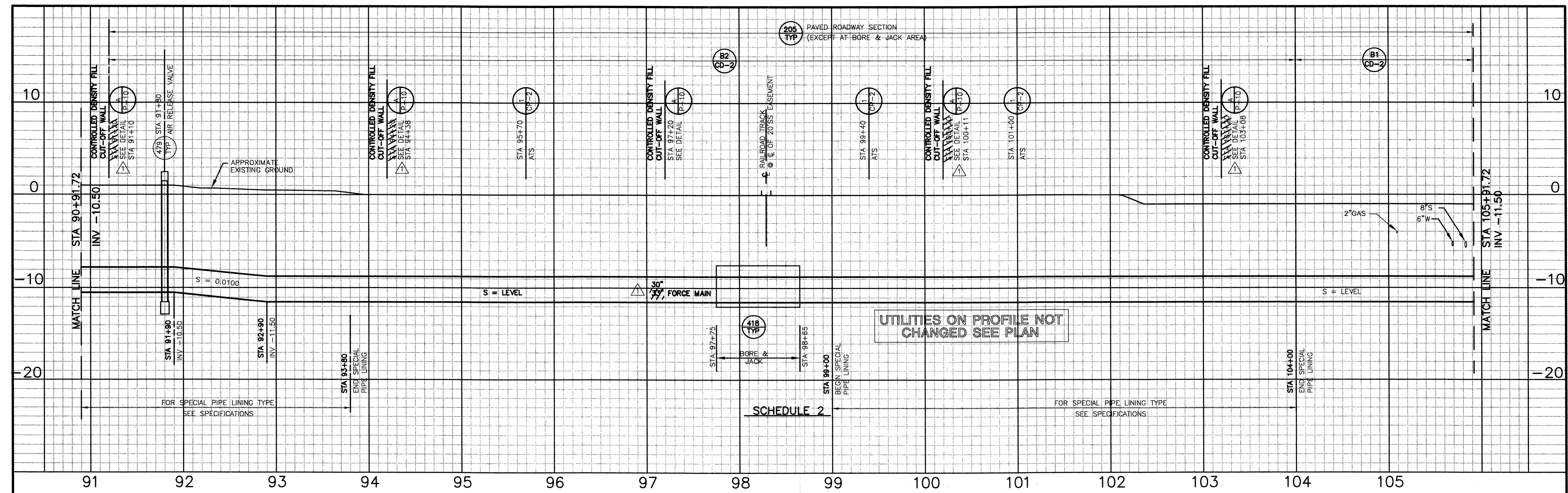
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DESIGNED: TFT/BEH	DATE: _____	SHEET NO. 10 OF 100
DRAWN: TFT/ALA/ELP		JOB NO. 3385D.10
CHECKED: DJ	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: RG		

DISCIPLINE ENGINEER			
PROJECT ENGINEER			
PARTNER			
REV.	DATE	BY	DESCRIPTION
△	3/00	BEH	RECORD DRAWING

REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS



H:\Final\Stockton_FNO_3385410_AS-BUILT WCSW008R 03/22/00 14:57 garta XREFS: BDR, NOTE1, NOTE2, P-08A



PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

PLAN
SCALE: 1" = 50'

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

NOTES:
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

NOTE:
CONTRACTOR SHALL PROVIDE A TEMPORARY FENCE AROUND THE HAND-LAID STONE-LINED STORMWATER DRAINAGE SYSTEM. FENCE SHALL BE A MINIMUM OF FOUR (4) FEET ABOVE THE GROUND SURFACE, TEMPORARY IN NATURE, AND EASILY REMOVABLE UPON COMPLETION OF THE PROJECT. SEE SPECIFICATIONS DIVISION 1, SECTION 010750.

RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

ROUGH AND READY ISLAND
STA 90+91.72 - 105+91.72

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'	APPROVED BY: _____ DATE: _____	DRAWING NO. P-8R
DESIGNED: TFT/BEH		SHEET NO. 11 OF 100
DRAWN: TFT/ALA/ELF		JOB NO. 3385D.10
CHECKED: DJ	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: RG		

REV.	DATE	BY	DESCRIPTION
3/00	BEH	RECORD DRAWING	

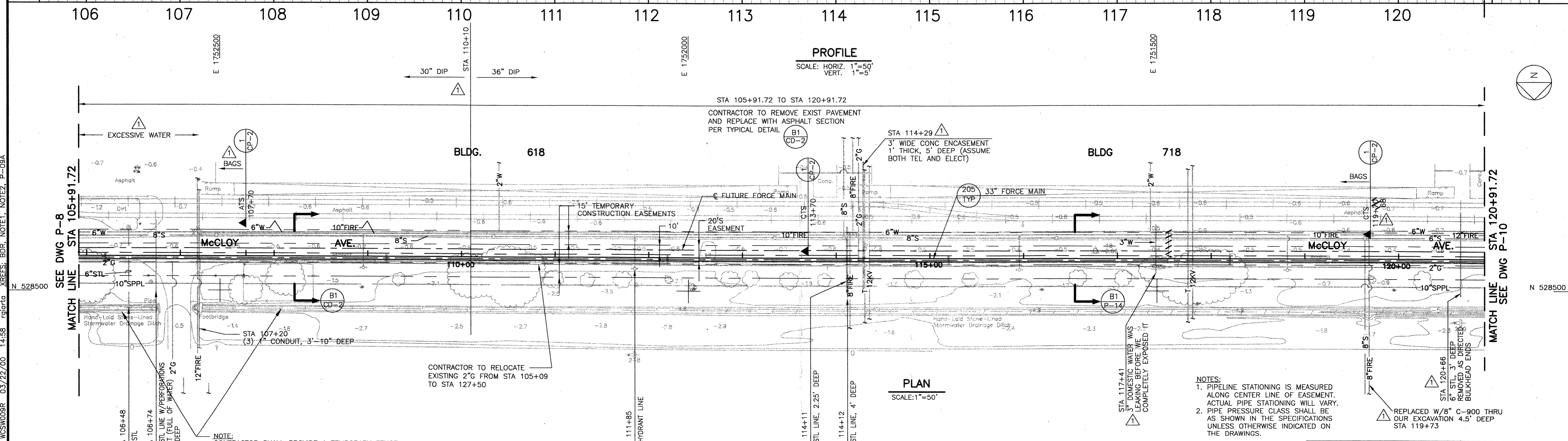
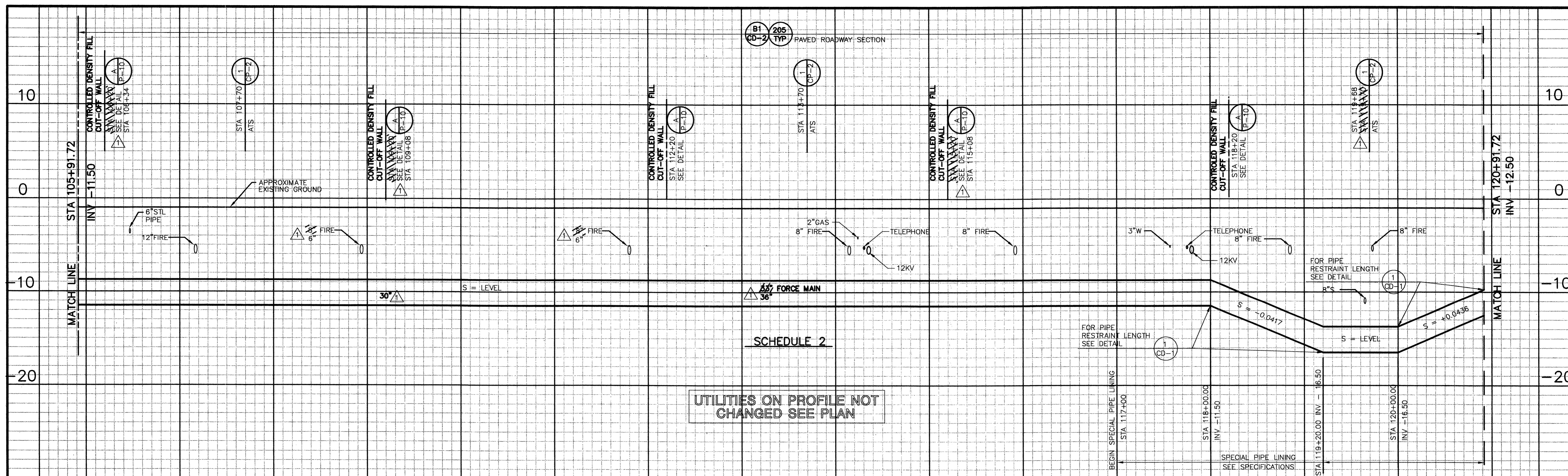
DISCIPLINE ENGINEER

PROJECT ENGINEER

PARTNER

REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS

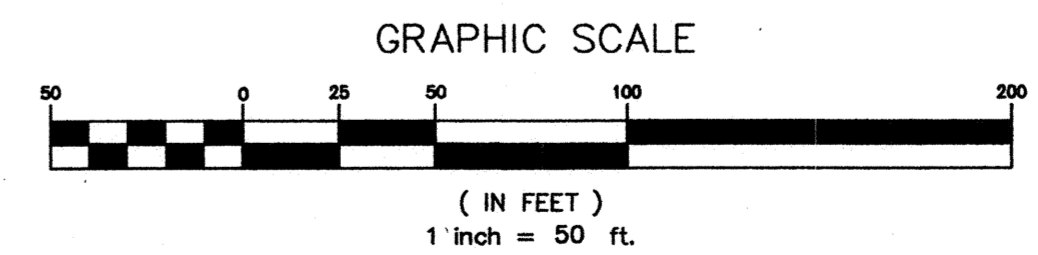




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 N 528500
 E 1752500

NOTE:
 CONTRACTOR SHALL PROVIDE A TEMPORARY FENCE
 AROUND THE HAND-LAID STONE-LINED STORMWATER
 DRAINAGE SYSTEM. FENCE SHALL BE A MINIMUM
 OF FOUR (4) FEET ABOVE THE GROUND SURFACE,
 TEMPORARY IN NATURE, AND EASILY REMOVABLE
 UPON COMPLETION OF THE PROJECT.
 SEE SPECIFICATIONS DIVISION 1, SECTION 010750.

NOTES:
 1. PIPELINE STATIONING IS MEASURED
 ALONG CENTER LINE OF EASEMENT.
 ACTUAL PIPE STATIONING WILL VARY.
 2. PIPE PRESSURE CLASS SHALL BE
 AS SHOWN IN THE SPECIFICATIONS
 UNLESS OTHERWISE INDICATED ON
 THE DRAWINGS.



RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

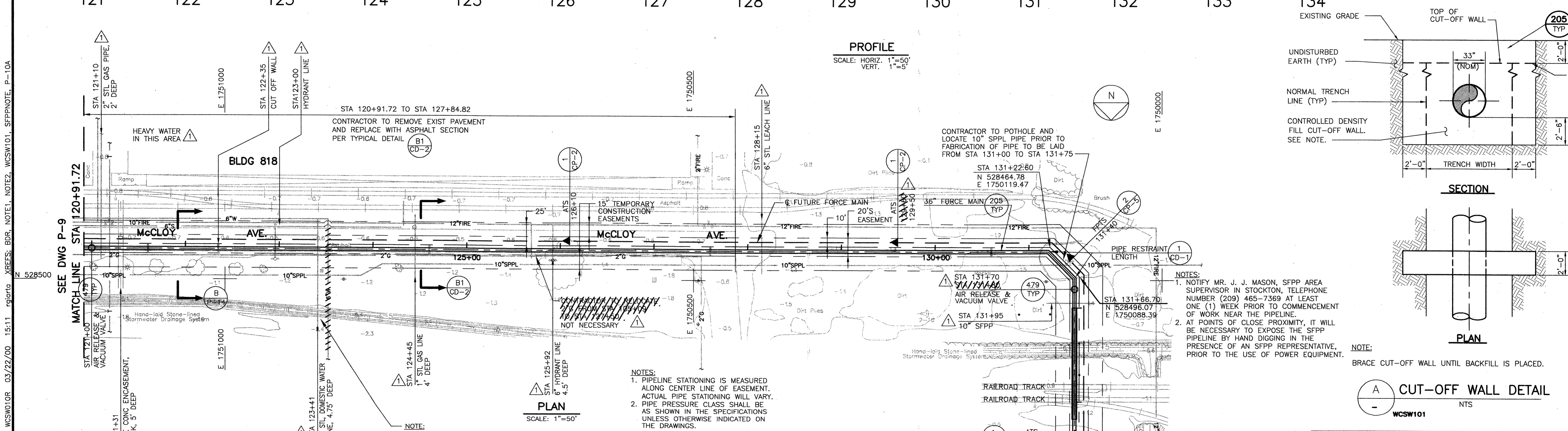
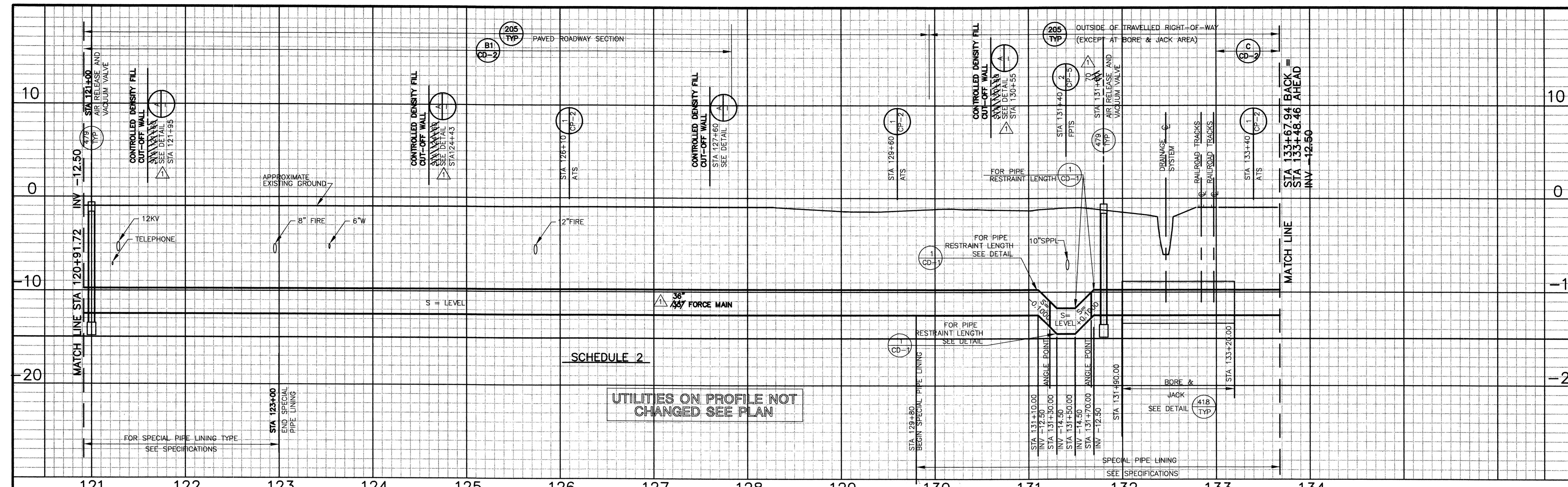
REV.	DATE	BY	DESCRIPTION
3/00	BEH	RECORD DRAWING	

REVISOR FOR RECORD
 SEE ORIGINAL FOR SIGNED STAMPS



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
 ROUGH AND READY ISLAND
 STA 105+91.72 - 120+91.72
 DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'	APPROVED BY: _____	DRAWING NO. P-9R
DESIGNED: TFT/BEH	DATE: _____	SHEET NO. 12 OF 100
DRAWN: TFT/ALA/ELF		JOB NO. 3385D.10
CHECKED: JD	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: RG		



RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

REV.	DATE	BY	DESCRIPTION
3/00	BEH	RECORD DRAWING	

REVISID FOR RECORD

SEE ORIGINAL FOR SIGNED STAMPS

DISCIPLINE ENGINEER

PROJECT ENGINEER

PARAPING

carollo
engineers

SCALE: 1" = 50'

DESIGNED: TFT/BEH

DRAWN: TFT/ALA/ELP

CHECKED: JD

AS BUILT BY: RG

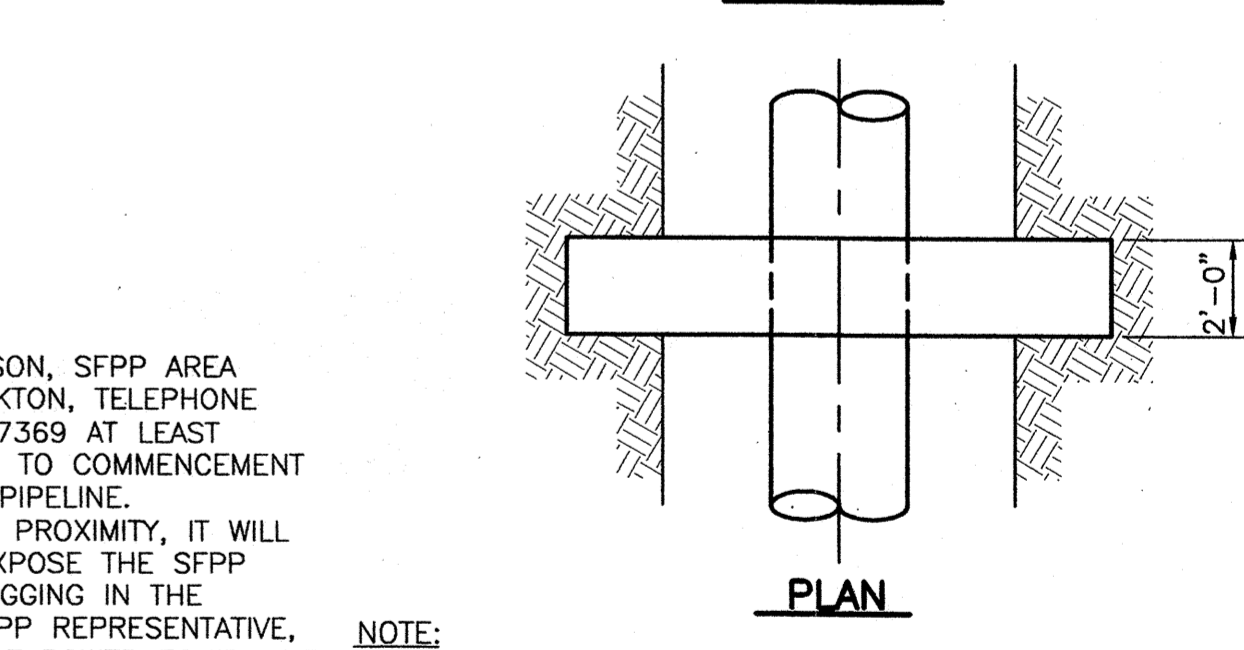
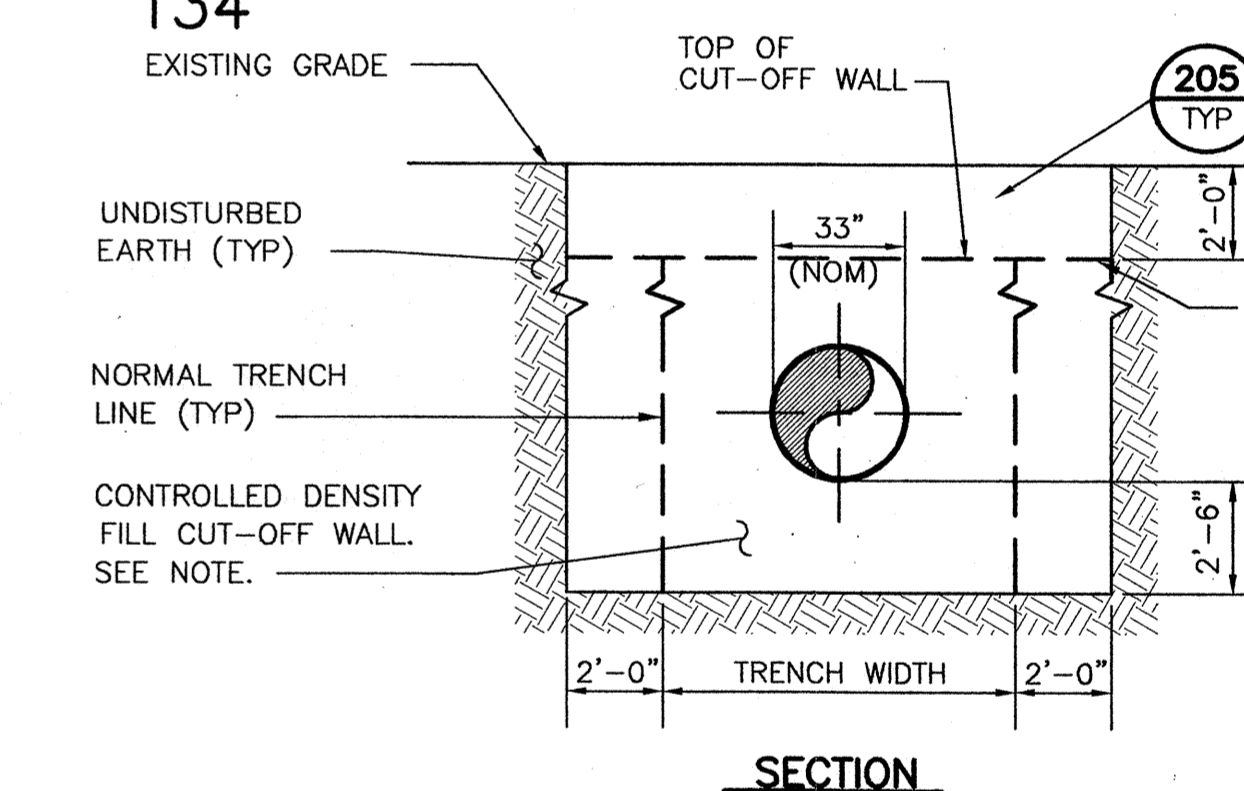
APPROVED BY: _____ **DATE:** _____

CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. P-10R

SHEET NO. 13 OF 100

JOB NO. 3385D.10



A CUT-OFF WALL DETAIL

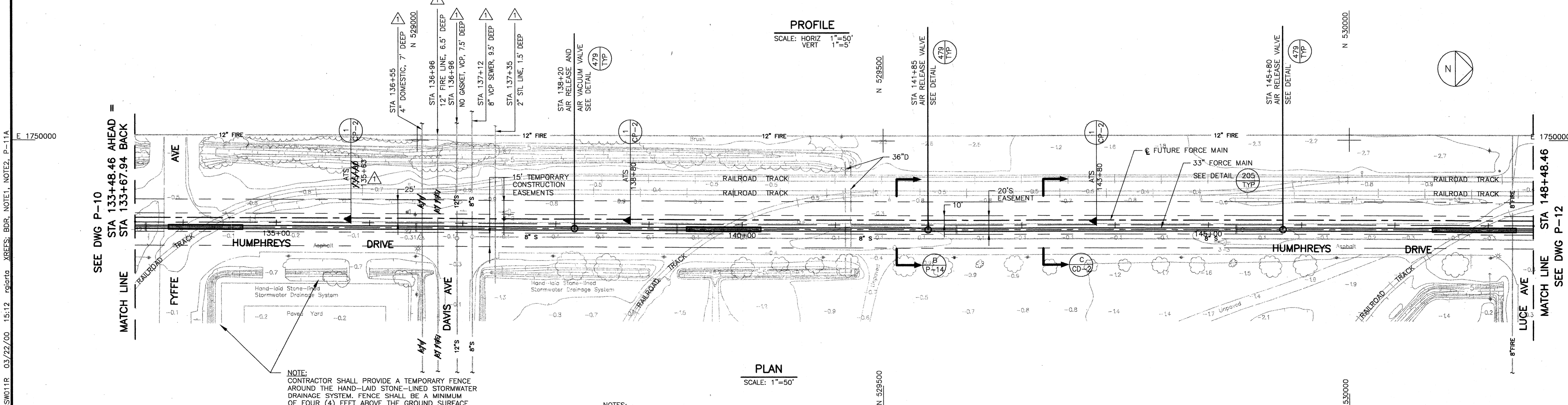
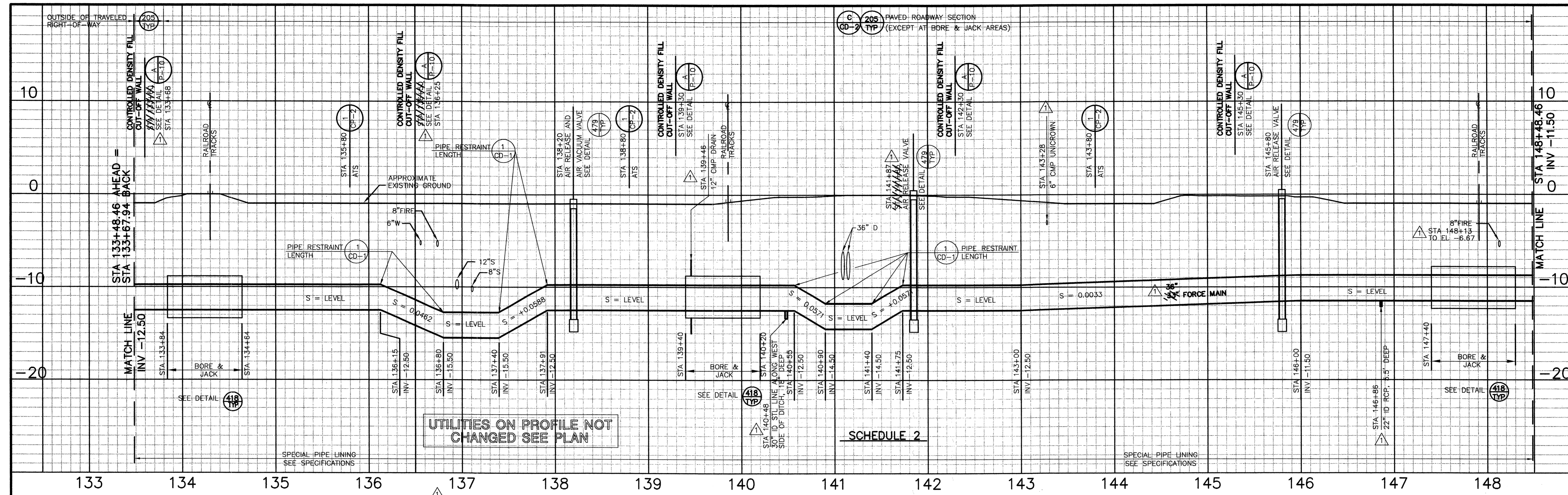
NTS

WCSW101

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS	
ROUGH AND READY ISLAND STA 120+91.72 - 133+67.94	
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA	
SCALE: 1" = 50'	APPROVED BY: _____
DESIGNED: TFT/BEH	DATE: _____
DRAWN: TFT/ALA/ELP	
CHECKED: JD	CITY ENGINEER STOCKTON, CALIF.
AS BUILT BY: RG	
DRAWING NO. P-10R	
SHEET NO. 13 OF 100	
JOB NO. 3385D.10	

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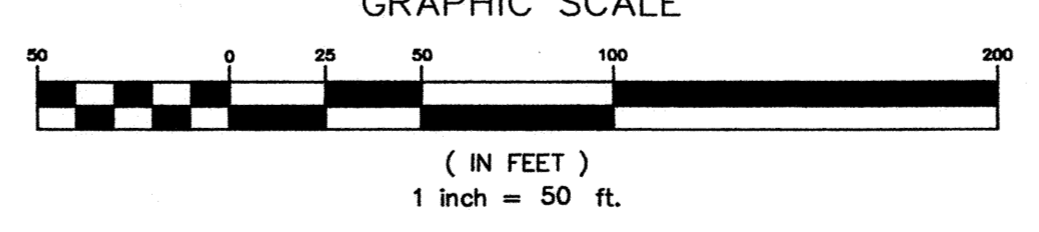


NOTE:
CONTRACTOR SHALL PROVIDE A TEMPORARY FENCE AROUND THE HAND-LAID STONE-LINED STORMWATER DRAINAGE SYSTEM. FENCE SHALL BE A MINIMUM OF FOUR (4) FEET ABOVE THE GROUND SURFACE, TEMPORARY IN NATURE, AND EASILY REMOVABLE UPON COMPLETION OF THE PROJECT.
SEE SPECIFICATIONS DIVISION 1, SECTION 010750.

- NOTES:
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
 2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

PROFILE
SCALE: HORIZ 1"=50'
VERT 1"=5'

PLAN
SCALE: 1"=50'



RECORD DRAWINGS

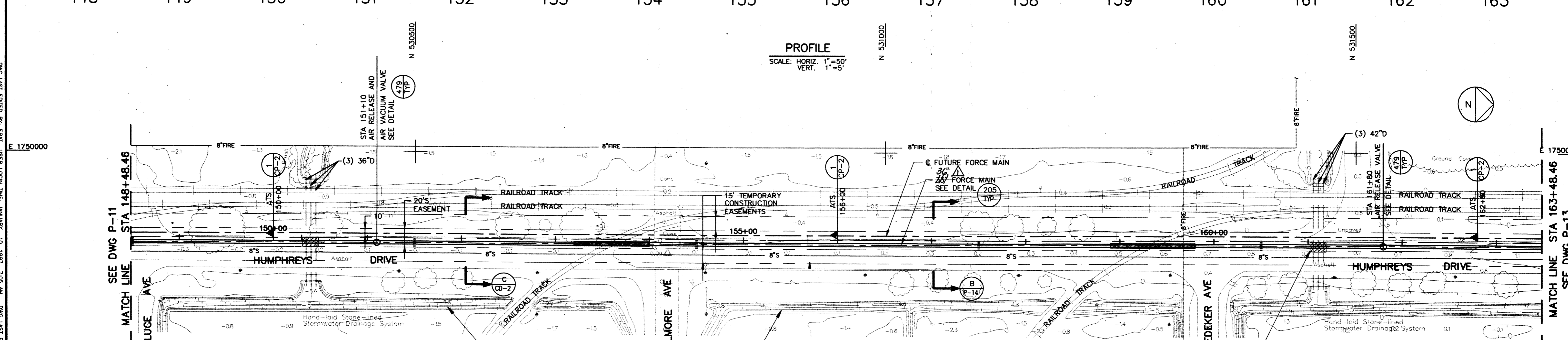
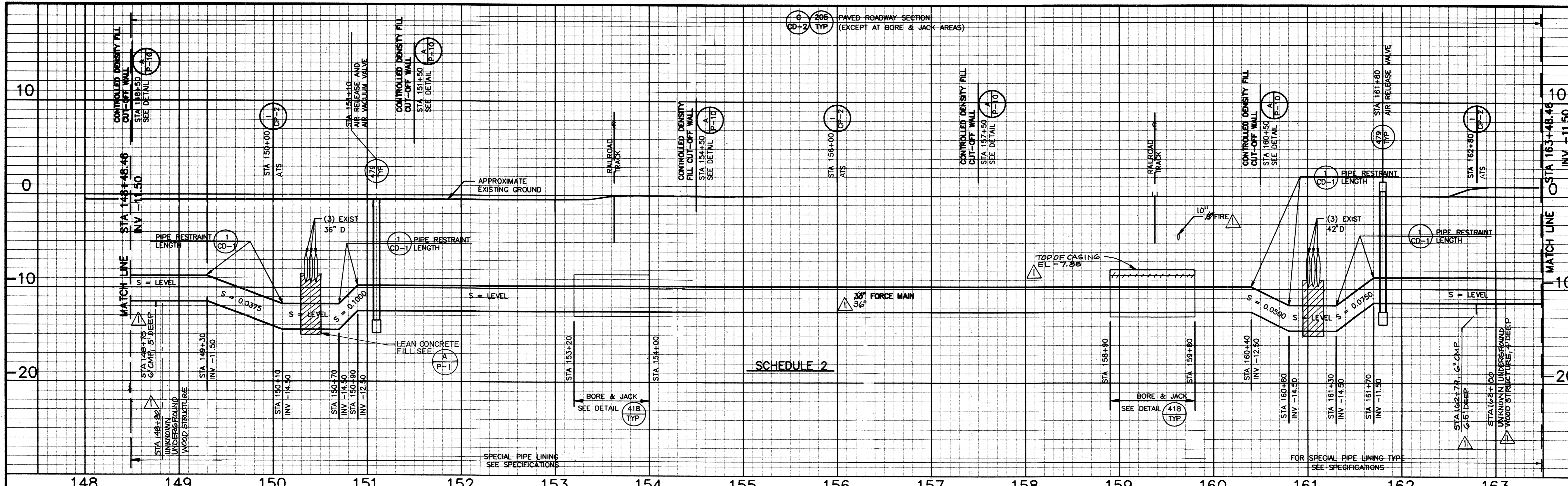
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS	
ROUGH AND READY ISLAND STA 133+48.46 - 148+48.46	
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA	
SCALE: 1" = 50'	APPROVED BY: DATE:
DESIGNED: TFT/BEH	DRAWING NO. P-11R
DRAWN: TFT/ALA/ELP	SHEET NO. 14 OF 100
CHECKED: DJ	JOB NO. 3385D.10
AS BUILT BY: RG	CITY ENGINEER STOCKTON, CALIF.

REV.	DATE	BY	DESCRIPTION	DISCIPLINE ENGINEER	PROJECT ENGINEER	PARING
3/00		BEH	RECORD DRAWING			

REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS



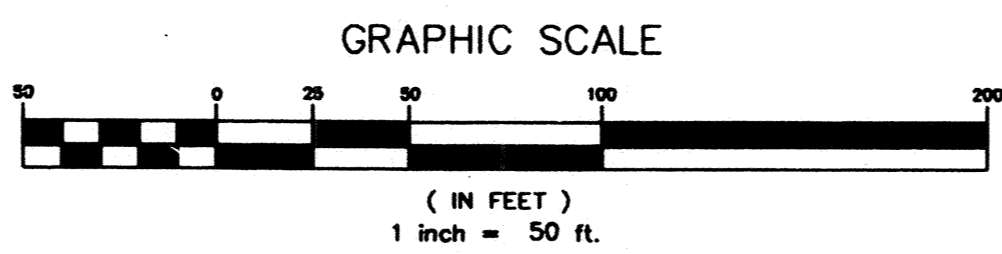


PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

PLAN
SCALE: 1"=50'

NOTE:
CONTRACTOR SHALL PROVIDE A TEMPORARY FENCE AROUND THE HAND-LAID STONE-LINED STORMWATER DRAINAGE SYSTEM. FENCE SHALL BE A MINIMUM OF FOUR (4) FEET ABOVE THE GROUND SURFACE, TEMPORARY IN NATURE, AND EASILY REMOVABLE UPON COMPLETION OF THE PROJECT.
SEE SPECIFICATIONS DIVISION 1, SECTION 010750.

- NOTES:**
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
 2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.



DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER	
3/2000	BEH	RECORD DRAWING	
REV.	DATE	BY	DESCRIPTION

PROFESSIONAL ENGINEER
No. C30182
Exp. 5/31/07
CIVIL
STATE OF CALIFORNIA

PROFESSIONAL ENGINEER
No. C20240
Exp. 5/31/07
CIVIL
STATE OF CALIFORNIA



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

ROUGH AND READY ISLAND
STA 148+48.46 - 163+48.46

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'

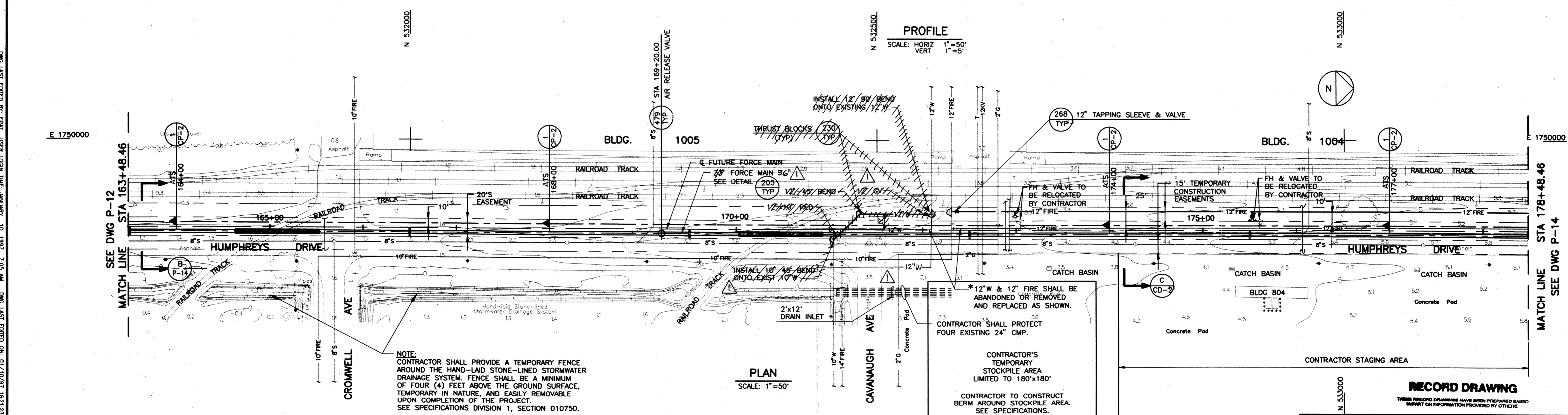
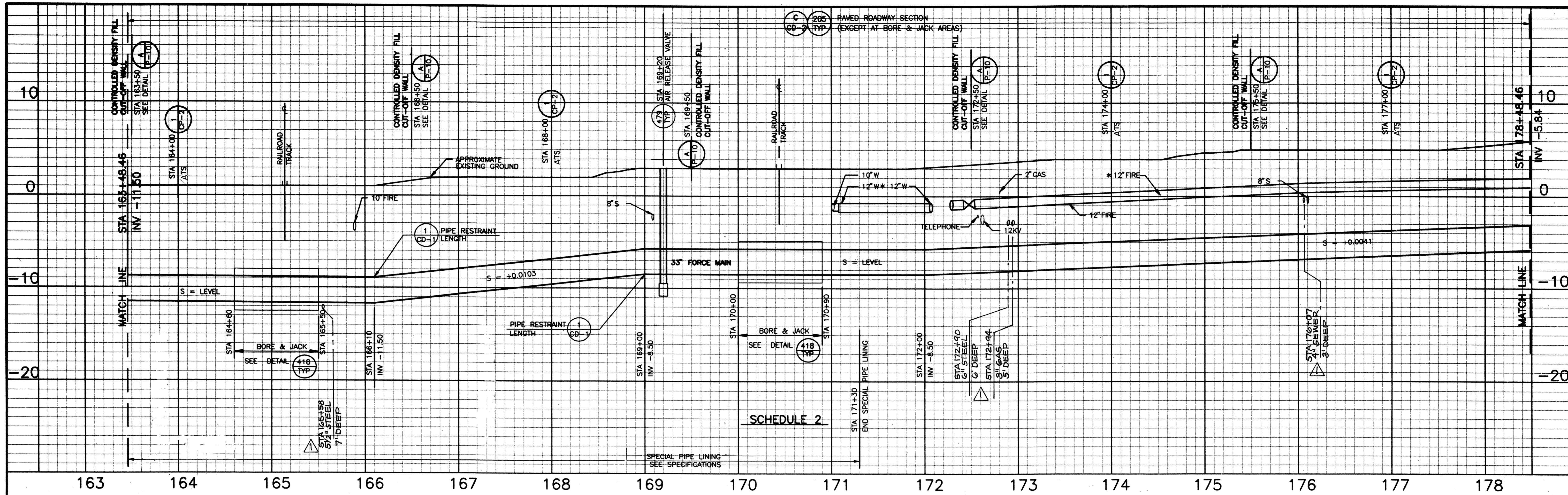
DESIGNED: TFT/BEH
DRAWN: TFT/ALA/ELP
CHECKED: DJ
AS BUILT BY: PG

APPROVED BY: [Signature]
DATE: 1/16/07
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. P-12
SHEET NO. 15 OF 100
JOB NO. 3385D.10

4006.14Ca

DWG LAST EDITED BY: EPM USER LOGIN TIME: JANUARY 10 1997 7:05 AM DWG LAST EDITED ON: 01/10/97 4:29:12 PM
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 12



NOTES:

- PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
- PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

NOTE:
*12" WATER & 12" FIRE PIPES SHALL BE ABANDONED OR REMOVED AND REPLACED FROM STA 171+05 TO STA 172+10 AND STA 172+30 TO STA 186+30 RESPECTIVELY.

GRAPHIC SCALE
1 inch = 50 ft.

REV.	DATE	BY	DESCRIPTION
3/2000	BEH		RECORD DRAWING

DISCIPLINE ENGINEER
PROJECT ENGINEER

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
ROUGH AND READY ISLAND
STA 164+48.46 - 178+48.46

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'
DESIGNED: TFT/BEH
DRAWN: TFT/ALA/ELF
CHECKED: DJ
AS BUILT BY: PG

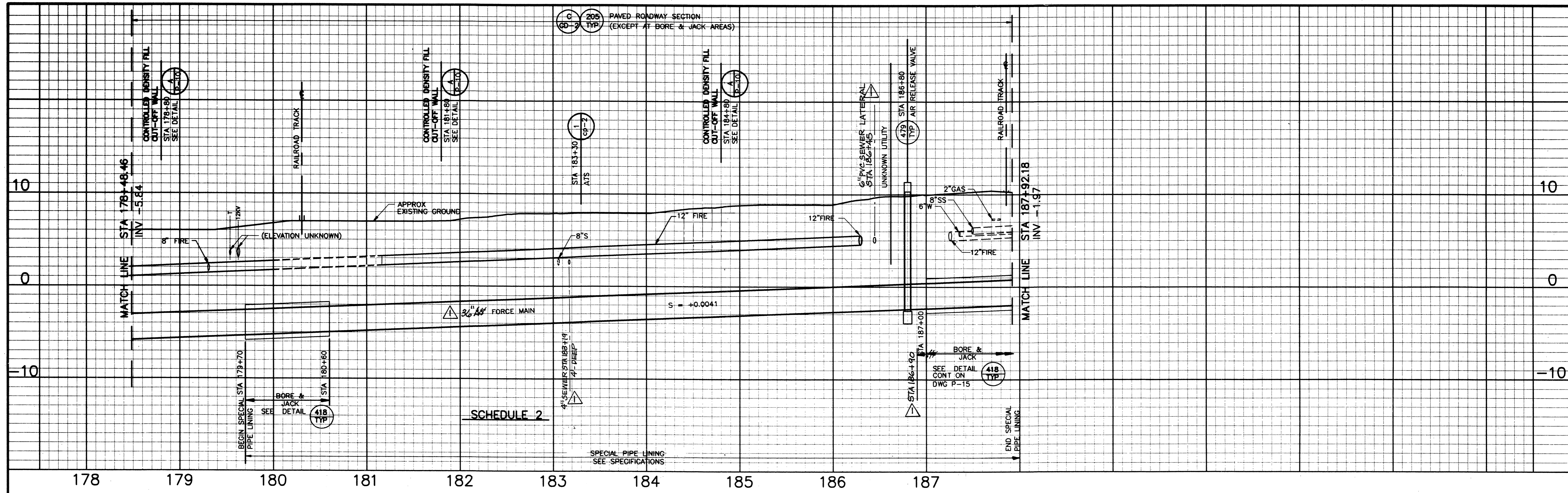
APPROVED BY: [Signature]
DATE: 1/6/02
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. P-13
SHEET NO. 16 OF 100
JOB NO. 33850.10

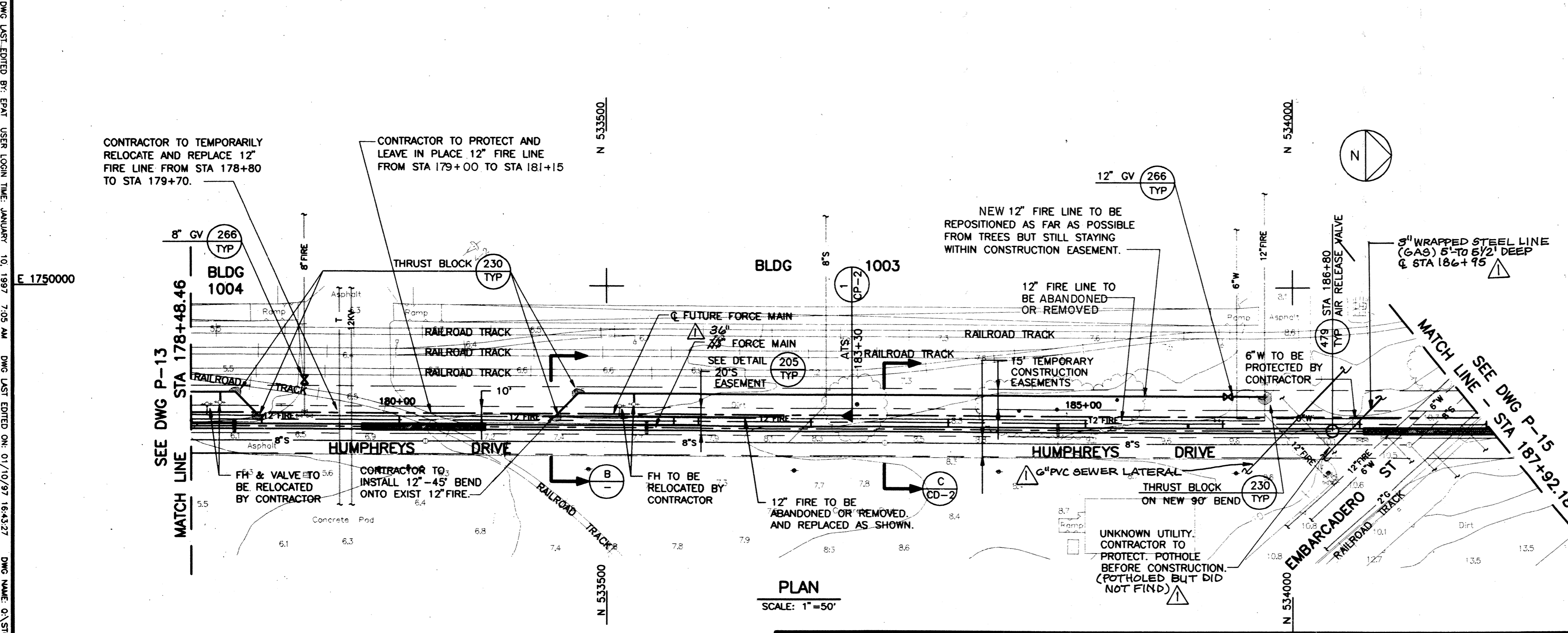
CAROLLO engineers

4006.15C_a

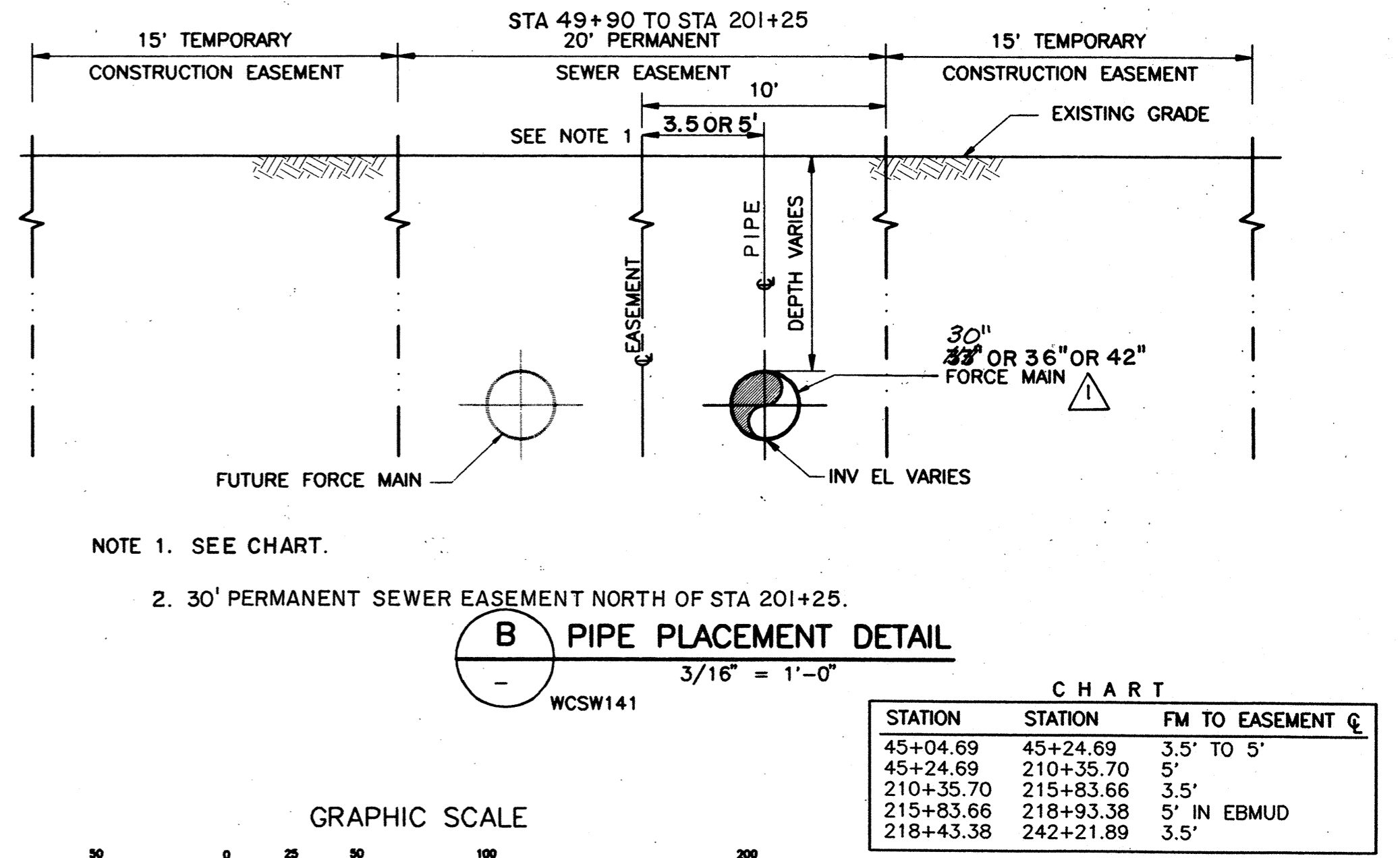
DWG NAME: 03 STOCKTON 33850.10 WBS0303.DWG
 DWG LAST EDITED ON: 01/07/02 16:21:23
 DWG LAST EDITED BY: SPAT USER LOGIN TIME: JANUARY 10, 1997 7:05 AM
 PLOTS: BOR | P-13 | NOTES | NOTES | CHP | WBS | BKH |



PROFILE
SCALE: HORIZ 1"=50'
VERT 1"=5'



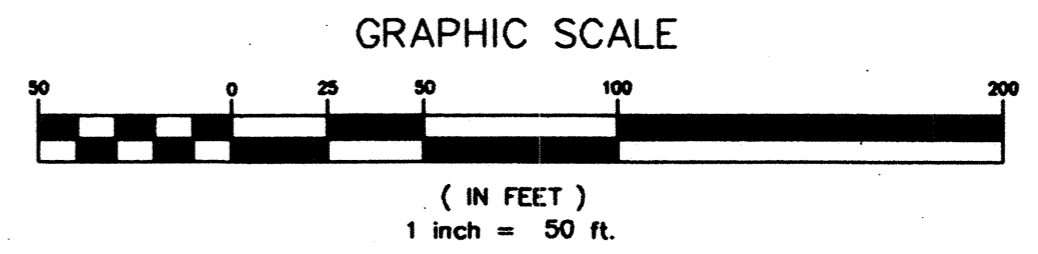
PLAN
SCALE: 1"=50'



NOTE 1. SEE CHART.

2. 30' PERMANENT SEWER EASEMENT NORTH OF STA 201+25.

B PIPE PLACEMENT DETAIL
3/16" = 1'-0"



CHART

STATION	STATION	FM TO EASEMENT @
45+04.69	45+24.69	3.5' TO 5'
45+24.69	210+35.70	5'
210+35.70	215+83.66	3.5'
215+83.66	218+93.38	5' IN EBMUD
218+93.38	242+21.89	3.5'

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON PARTIAL INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

ROUGH AND READY ISLAND
STA 178+48.46 - 187+92.18

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'	APPROVED BY: [Signature]	DRAWING NO. P-14
DESIGNED: TTF/BEH	DATE: 1/17/17	SHEET NO. 17 OF 100
DRAWN: TTF/ALA/ELP	CITY ENGINEER: [Signature]	JOB NO. 3385D.10
CHECKED: DJ	CITY ENGINEER: [Signature]	
AS BUILT BY: PG	STOCKTON, CALIF.	

NOTES:
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

REV.	DATE	BY	DESCRIPTION
3/2000		BEH	RECORD DRAWING

DISCIPLINE ENGINEER

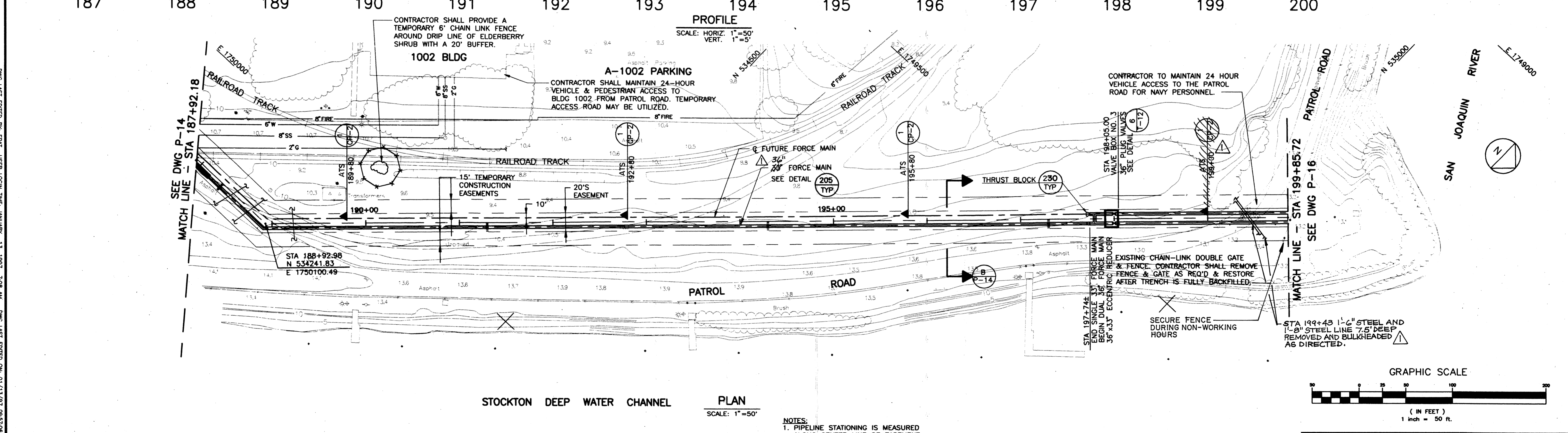
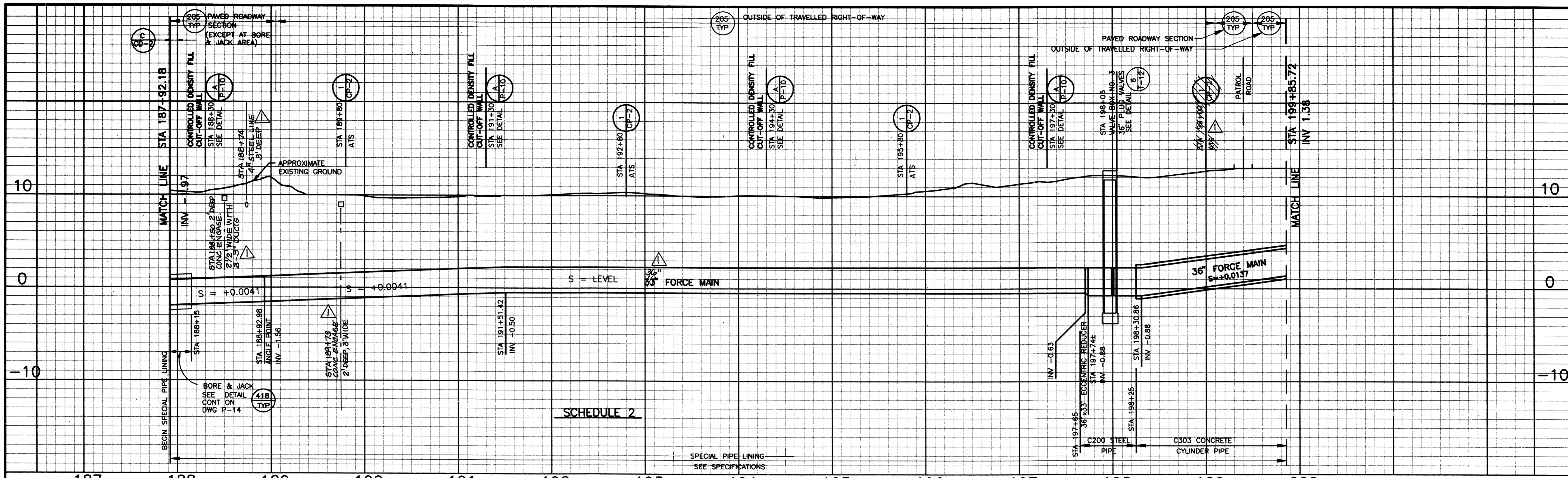
PROJECT ENGINEER

PARTNER



DWG LAST EDITED BY: ERM USER LOGIN TIME: JANUARY 10, 1997 7:05 AM DWG LAST EDITED ON: 01/17/97 16:43:27
 XREFS: BDR | P-14 | NOTE | WCSIW141 | WCSIW101 | BDR | BDR

4006.160a



STOCKTON DEEP WATER CHANNEL

NOTES:
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON PART OF INFORMATION PROVIDED BY CP-15.

DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER
3/2000	BEH	RECORD DRAWING
REV.	DATE	BY

CAROLLO engineers

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
ROUGH AND READY ISLAND
STA 187+92.18 - 199+85.72

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'
DESIGNED: TFT/BEH
DRAWN: TFT/ALA/ELP
CHECKED: DJ
AS BUILT BY: PG

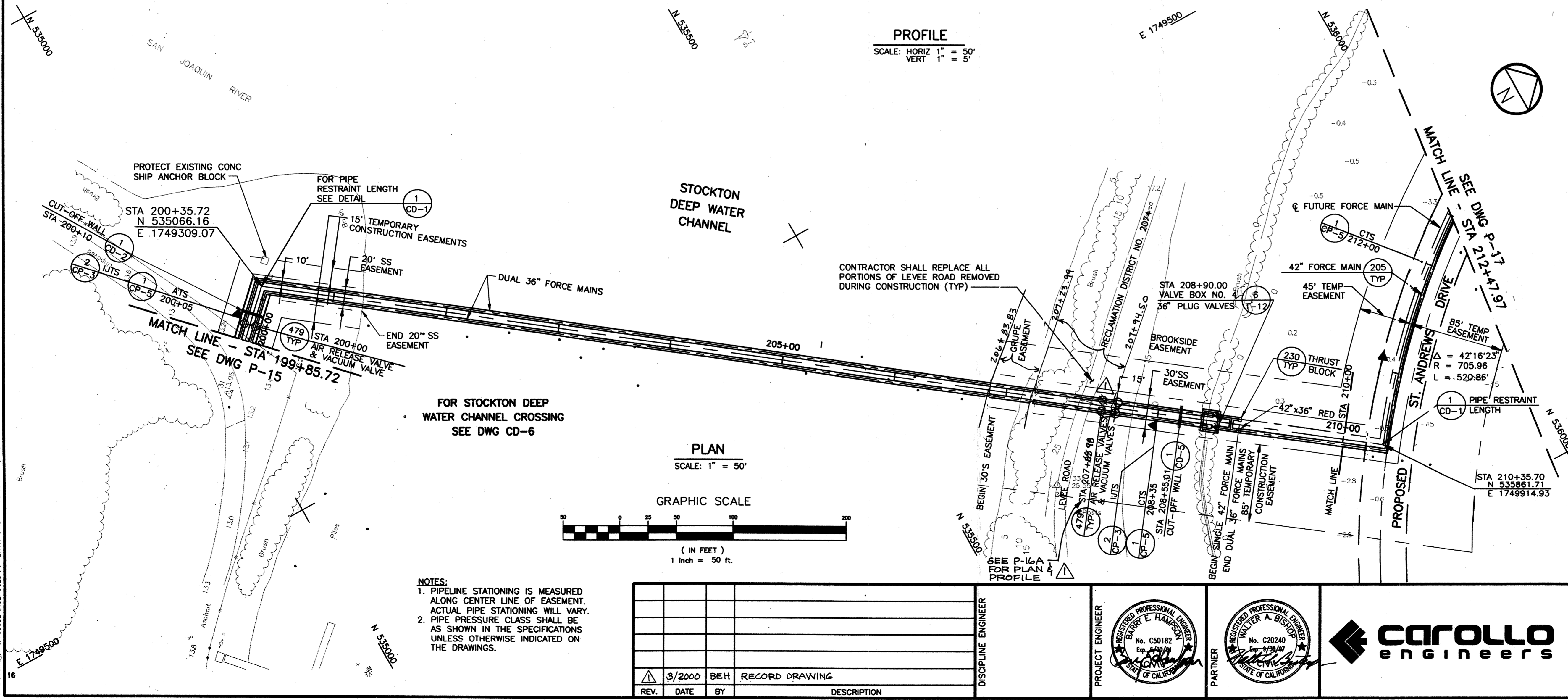
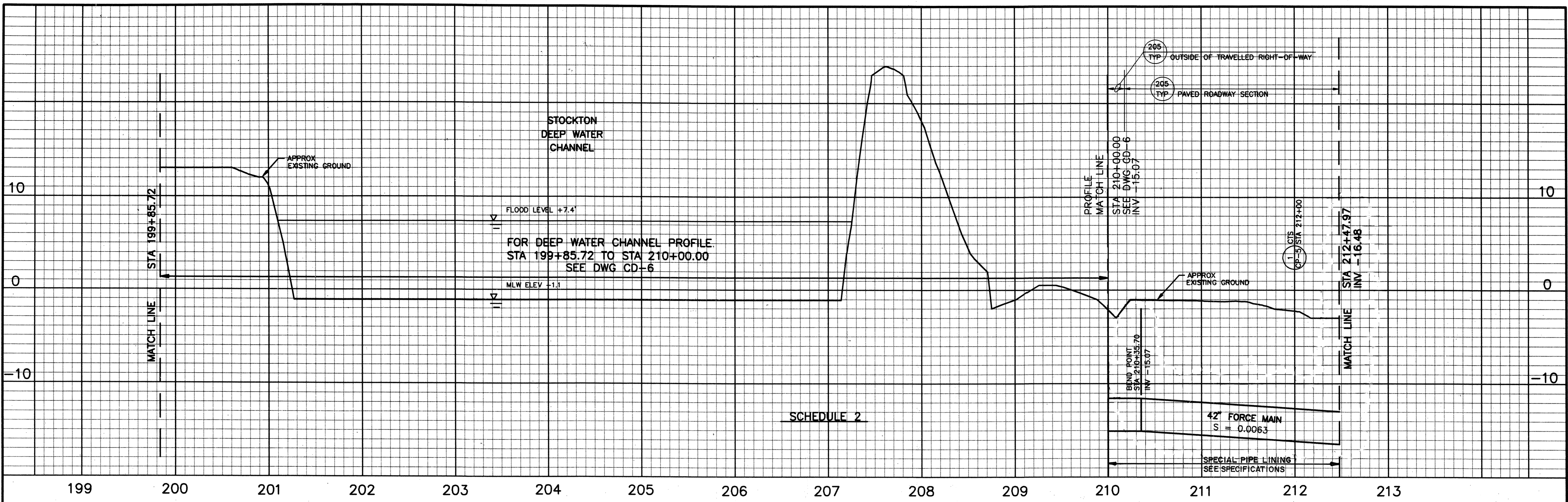
APPROVED BY: [Signature]
DATE: 1/6/19

DRAWING NO. P-15
SHEET NO. 18 OF 100
JOB NO. 3385D.10

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

4006-17C

DWG NAME: C:\STOCKTON\3385D\DWG\3385D.P15.DWG
 DWG LAST EDITED BY: EMAT USER LOGIN TIME: JANUARY 13, 1997 7:08 AM
 DWG LAST EDITED ON: 01/13/97 09:57:06
 XREFS: BOR | NOTE | P-15 | OHP | WBS | BEH |



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
 STOCKTON DEEP WATER CHANNEL
 STA 199+85.72 - 212+47.97

**DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA**

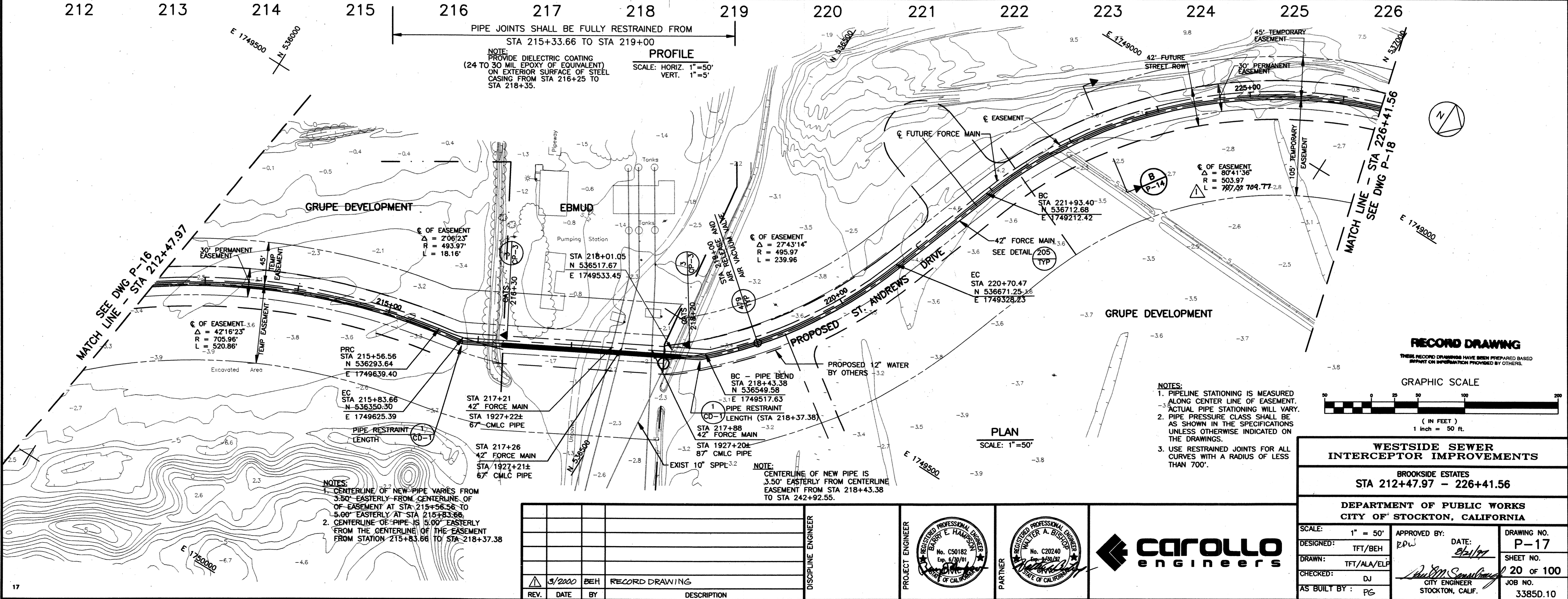
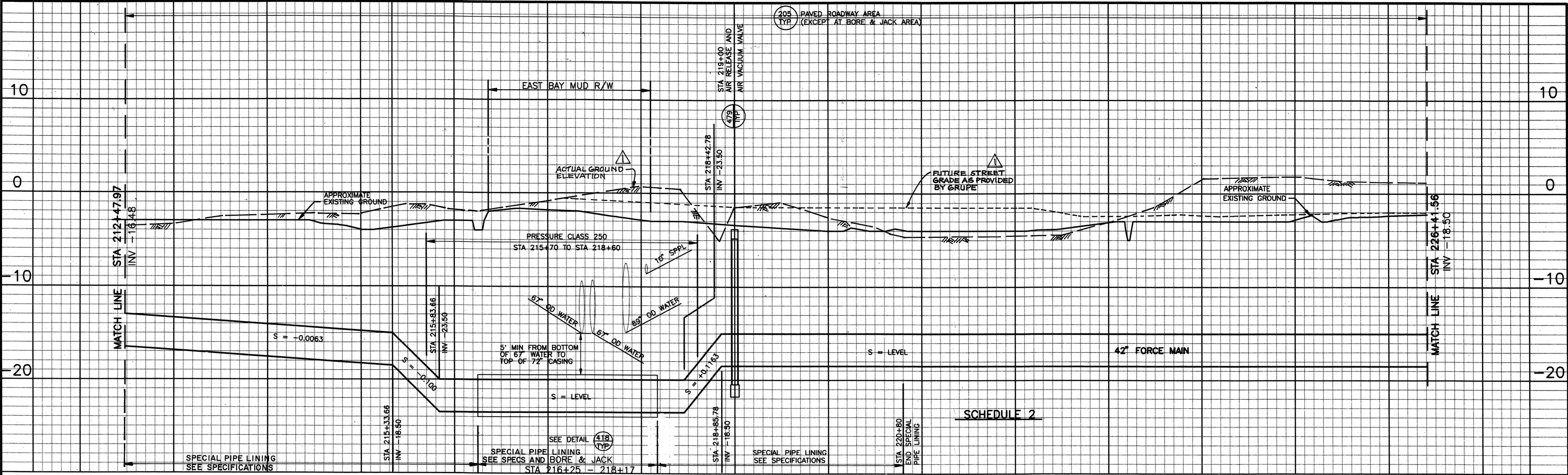
SCALE: AS NOTED	APPROVED BY: <i>R.P.W.</i>	DATE: <i>02/19/97</i>	DRAWING NO. P-16
DESIGNED: TFT/BEH			SHEET NO. 19 OF 100
DRAWN: TFT/ALA/ELP			JOB NO. 3385D.10
CHECKED: DJ	<i>Paul M. Davis</i> CITY ENGINEER		
AS BUILT BY: PG	STOCKTON, CALIF.		

DISCIPLINE ENGINEER									
PROJECT ENGINEER									
PARTNER									

carollo engineers

DWG LAST EDITED BY: EMM USER LOGIN TIME: MARCH 12, 1997 7:00 AM DWG LAST EDITED ON: 03/12/97 16:22:34
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 XREFS: BSM 1-16 | MODEL | CPM | RWA | BSM 1

4006.18Ca

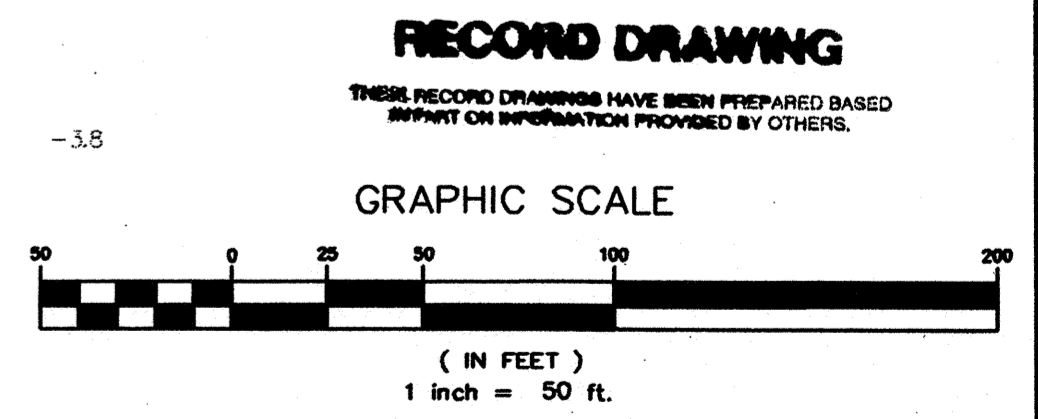


PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

PIPE JOINTS SHALL BE FULLY RESTRAINED FROM
STA 215+33.66 TO STA 219+00

NOTE:
PROVIDE DIELECTRIC COATING
(24 TO 30 MIL EPOXY OF EQUIVALENT)
ON EXTERIOR SURFACE OF STEEL
CASING FROM STA 216+25 TO
STA 218+35.

- NOTES:**
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT.
 2. ACTUAL PIPE STATIONING WILL VARY. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 3. USE RESTRAINED JOINTS FOR ALL CURVES WITH A RADIUS OF LESS THAN 700'.



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

BROOKSIDE ESTATES
STA 212+47.97 - 226+41.56

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'

DESIGNED: TFT/BEH
DRAWN: TFT/ALA/ELF
CHECKED: DJ
AS BUILT BY: PG

APPROVED BY: [Signature]
DATE: 02/17/17
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. P-17
SHEET NO. 20 OF 100
JOB NO. 33850.10

REV.	DATE	BY	DESCRIPTION
1	3/2000	BEH	RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER

REGISTERED PROFESSIONAL ENGINEER
BARRY E. HANCOCK
No. C50182
Exp. 8/30/01
STATE OF CALIFORNIA

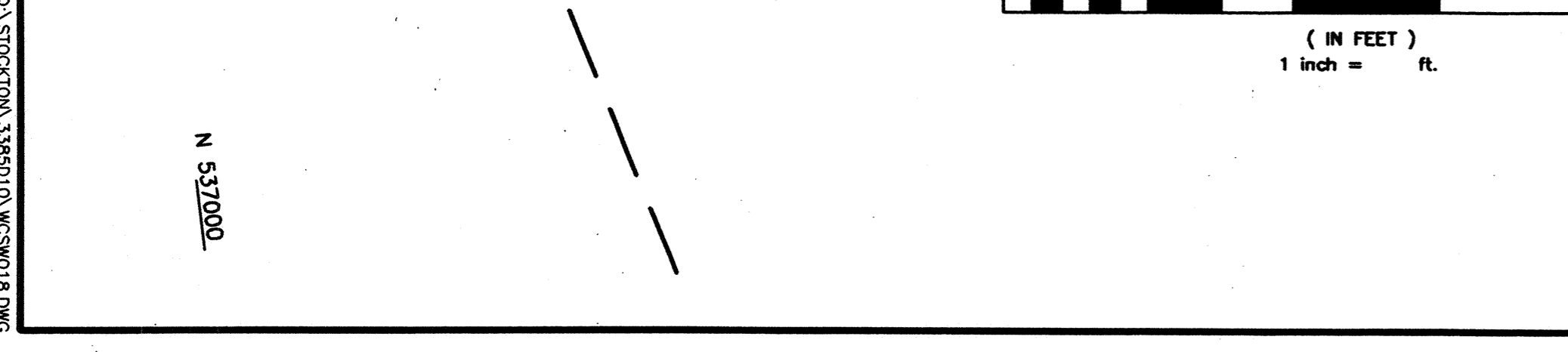
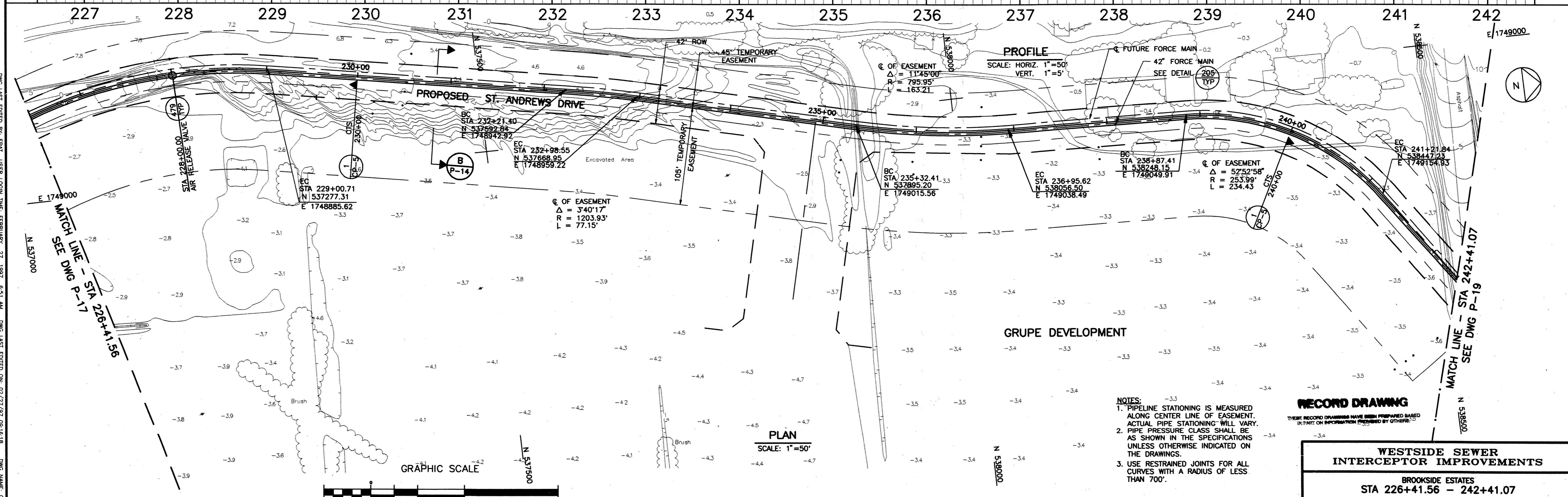
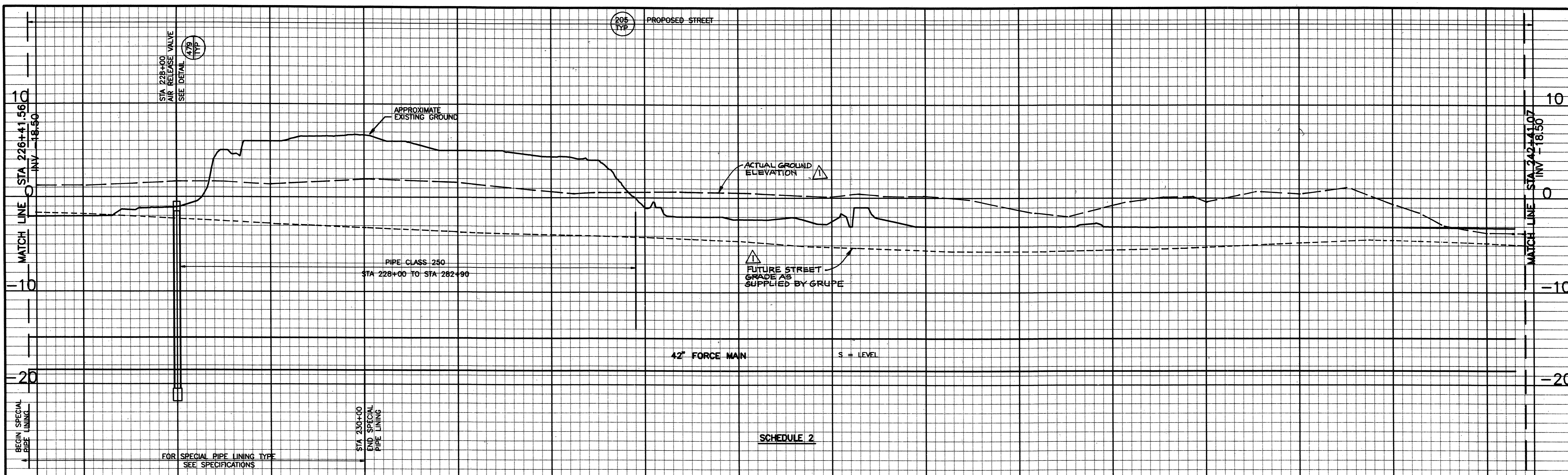
PARTNER

REGISTERED PROFESSIONAL ENGINEER
WALTER A. BISHOP
No. C20240
Exp. 1/30/01
STATE OF CALIFORNIA



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 DWG LAST EDITED ON: 07/08/97 15:36:58
 DWG NAME: C:\STOCKTON\33850\17\WESTSIDE\DWG\XREFS\DRG1.PLT
 DWG XREFS: DRG1.PLT | CH1 | BEH | 17

4006.19Ca



- NOTES:**
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
 2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 3. USE RESTRAINED JOINTS FOR ALL CURVES WITH A RADIUS OF LESS THAN 700'.

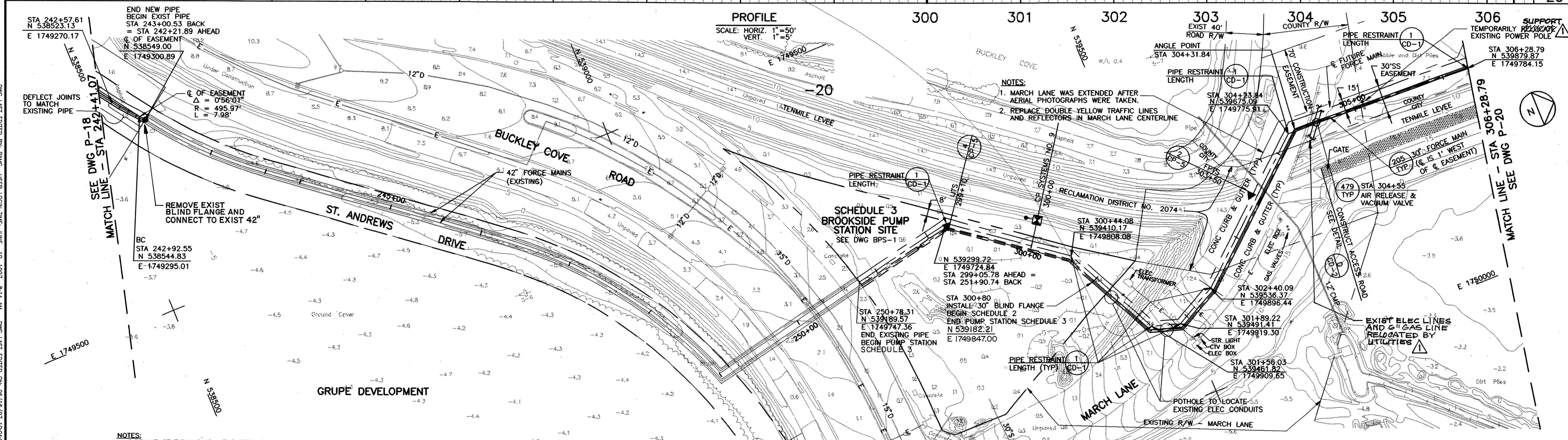
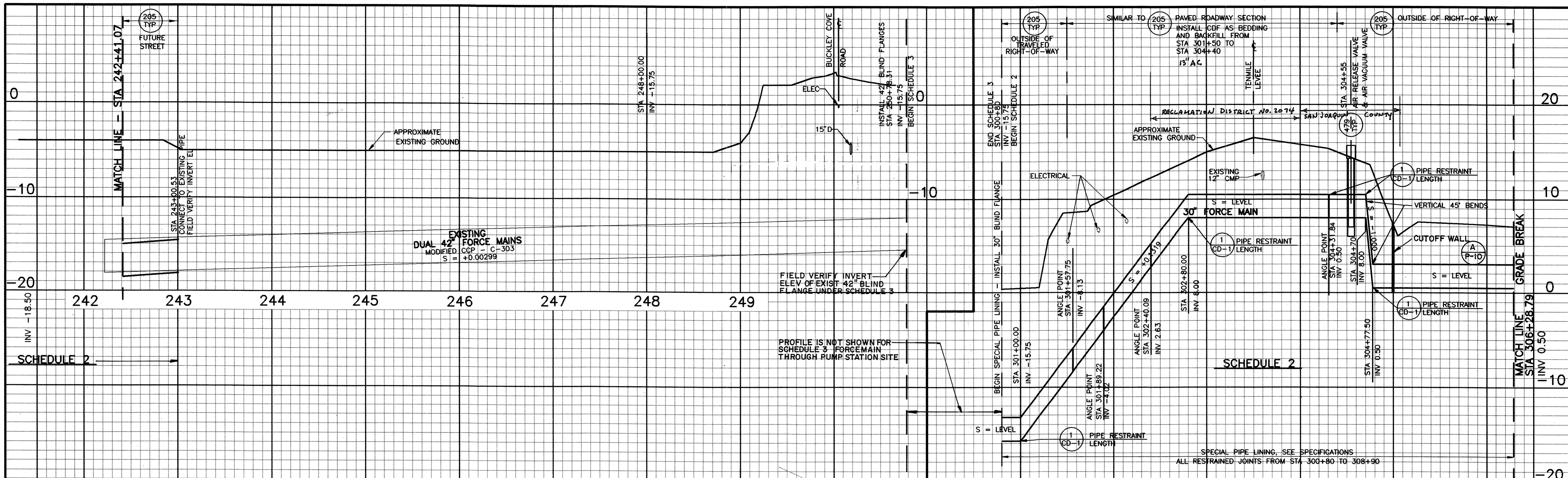
RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
BROOKSIDE ESTATES STA 226+41.56 - 242+41.07		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: 1" = 50'	APPROVED BY: <i>R.P.W.</i> DATE: <i>8/21/17</i>	DRAWING NO. P-18
DESIGNED: TFI/BEH		SHEET NO. 21 of 100
DRAWN: TFI/ALA/ELP		JOB NO. 3385D.10
CHECKED: DJ	<i>Paul J. Smith</i> CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION
3/2000		BEH	RECORD DRAWING

DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER	carollo engineers	
			4006.20Ca	

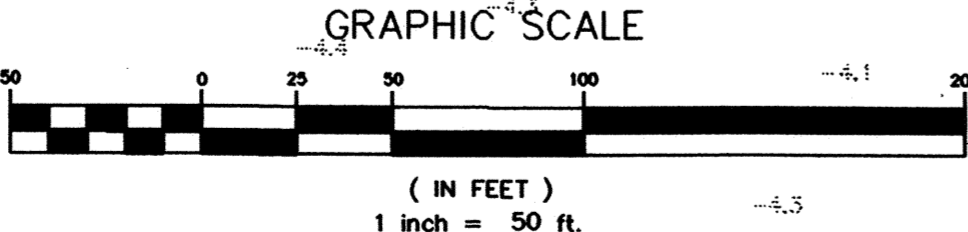
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 DWG NAME: Q:\STOCKTON\3385D\0\WESTSIDE.DWG XREFS: BDR | P-18 | CHP | WAB | BEH |



PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

PLAN
SCALE: 1"=50'

- NOTES:**
- PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
 - PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - CONTRACTOR SHALL EXCAVATE BOTH ENDS OF EXISTING 42-INCH DIAMETER PIPELINE AND MEASURE AND INSPECT. CONTRACTOR TO PROVIDE APPROPRIATE CONNECTION BETWEEN EXISTING 42-INCH DIAMETER AND NEW 42-INCH DIAMETER PIPELINE.



- NOTES:**
- MARCH LANE WAS EXTENDED AFTER AERIAL PHOTOGRAPHS WERE TAKEN.
 - REPLACE DOUBLE YELLOW TRAFFIC LINES AND REFLECTORS IN MARCH LANE CENTERLINE

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

BROOKSIDE ESTATES
42" - STA 242+41.07 - 243+00.53
30" - STA 300+80.00 - 306+28.79

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

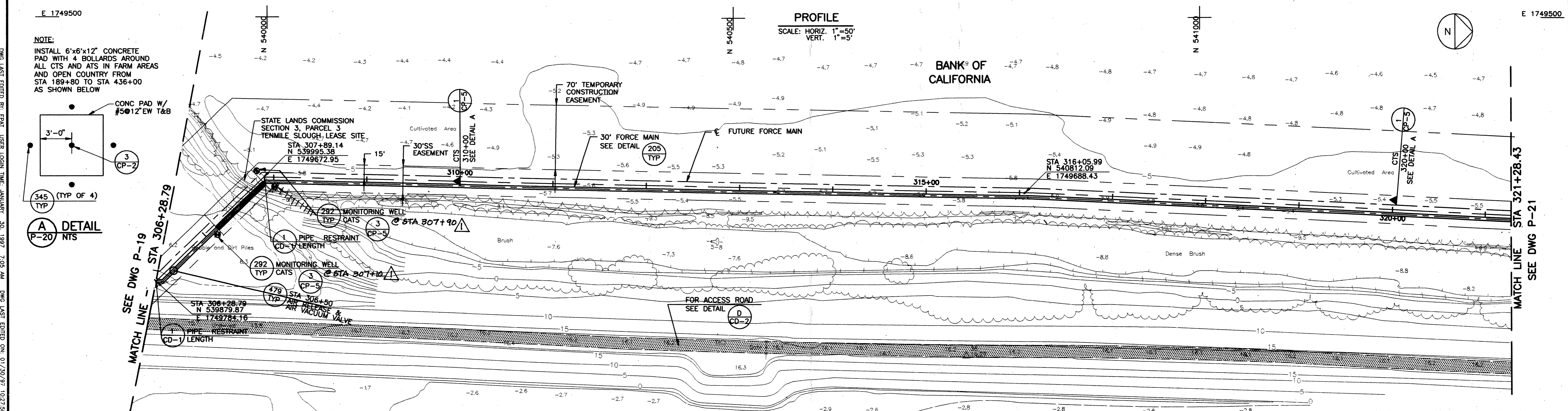
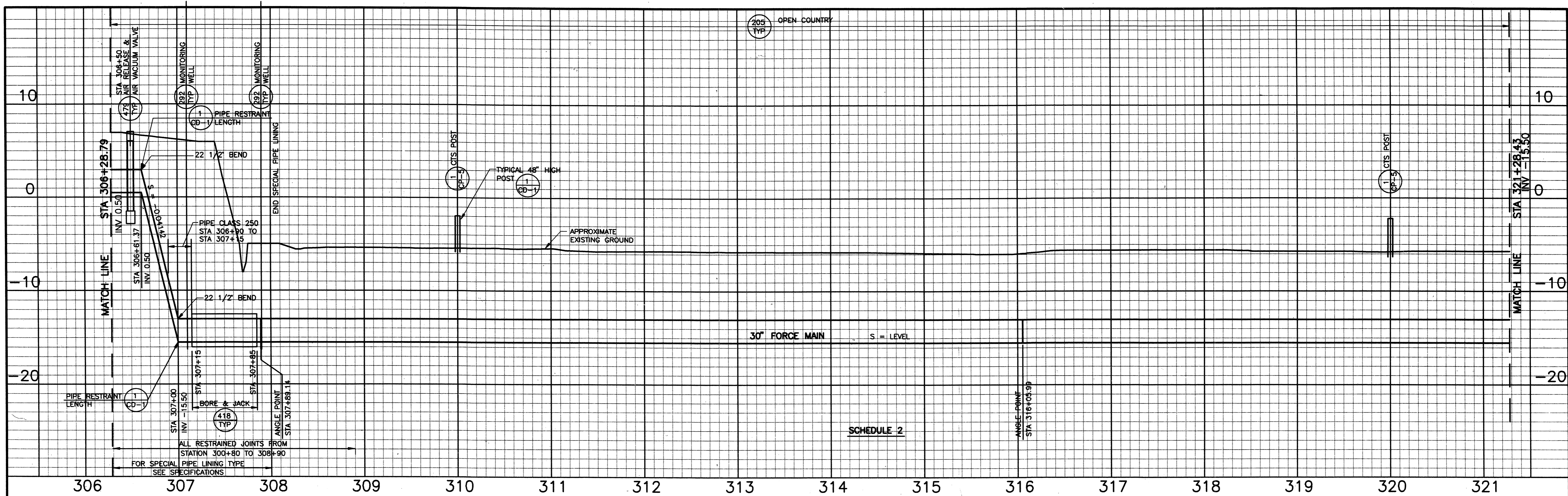
SCALE: 1" = 50'	APPROVED BY: RW	DRAWING NO. P-19
DESIGNED: TFT/BEH	DATE: 8/21/20	SHEET NO. 22 OF 100
DRAWN: TFT/ELP	CITY ENGINEER	JOB NO. 3385D.10
CHECKED: DJ	STOCKTON, CALIF.	
AS BUILT BY: PG		

DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER
REV. DATE BY DESCRIPTION		
3/2000 BEH RECORD DRAWING		



DWG LAST EDITED BY: PAUG USER LOGIN TIME: JUNE 10, 1997 8:14 AM
 DWG LAST EDITED ON: 06/16/97 10:04:08
 XREFS: BDR | P-19 | CWP | NOTET | WBS | BEH |

4006.210a



NOTE:
INSTALL 6"x6"x12" CONCRETE PAD WITH 4 BOLLARDS AROUND ALL CTS AND ATS IN FARM AREAS AND OPEN COUNTRY FROM STA 189+80 TO STA 436+00 AS SHOWN BELOW

CONC PAD W/ #5@12" EW T&B

3'-0"

345 (TYP OF 4)

A DETAIL P-20 NTS

PROFILE
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'

PLAN
SCALE: 1" = 50'

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
TENMILE LEVEL
STA 306+28.79 - 321+28.43

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'
DESIGNED: TFT/BEH
DRAWN: TFT/ALA/ELP
CHECKED: DJ
AS BUILT BY: PC

APPROVED BY: *[Signature]* DATE: 4/2/22
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. P-20
SHEET NO. 23 OF 100
JOB NO. 3385D.10

NOTES:

- PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
- PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

REV.	DATE	BY	DESCRIPTION
1	3/2000	BEH	RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER

[Signature]
No. C50182
Exp. 8/29/01
STATE OF CALIFORNIA

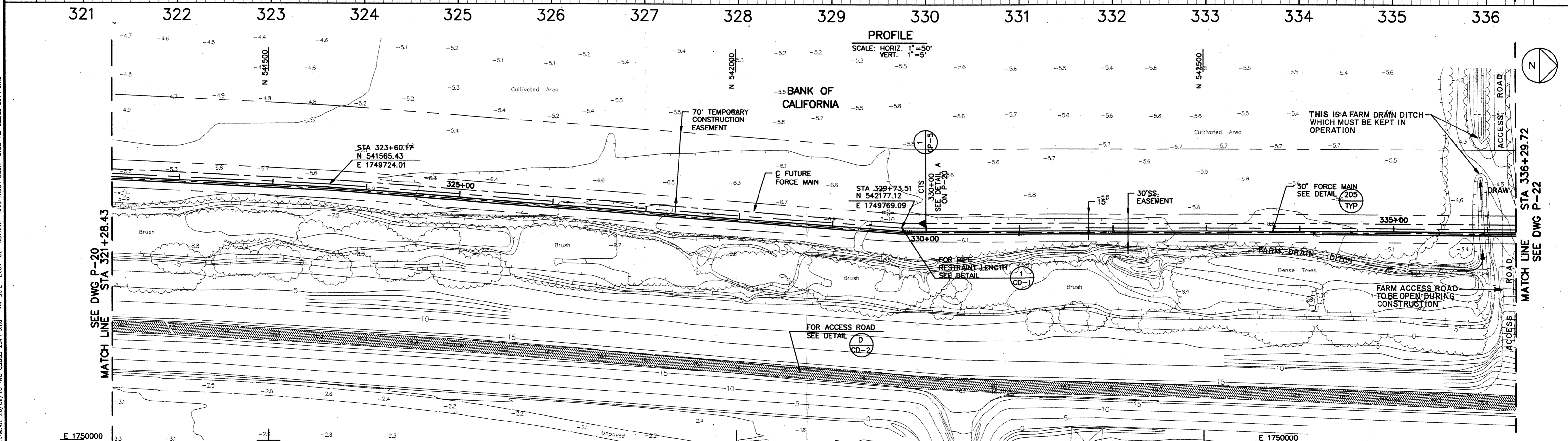
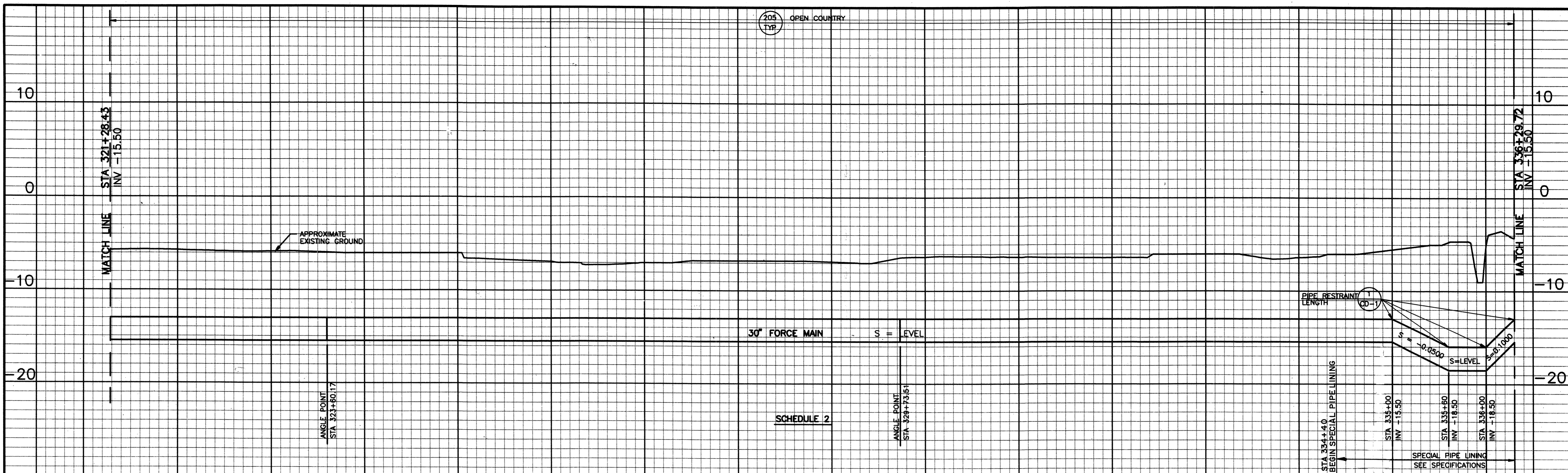
PARTNER

[Signature]
No. C20240
Exp. 12/31/01
STATE OF CALIFORNIA

carollo engineers

DWG LAST EDITED BY: EPAT USER LOGIN TIME: JANUARY 30, 1997 7:05 AM DWG LAST EDITED ON: 01/30/97 10:27:58
 DWG NAME: Q:\STOCKTON\3385D\01\WSSW02.DWG XREFS: BOR | Cap | P-20 | note | W&B | BEH |

4006.22C



PLAN
SCALE: 1"=50'

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
TENMILE LEVEE
STA 321+28.43 - 336+29.72

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'
DESIGNED: TFT/BEH
DRAWN: TFT/ALA/ELF
CHECKED: DJ
AS BUILT BY: PG

APPROVED BY: *RPW* DATE: *02/17/17*

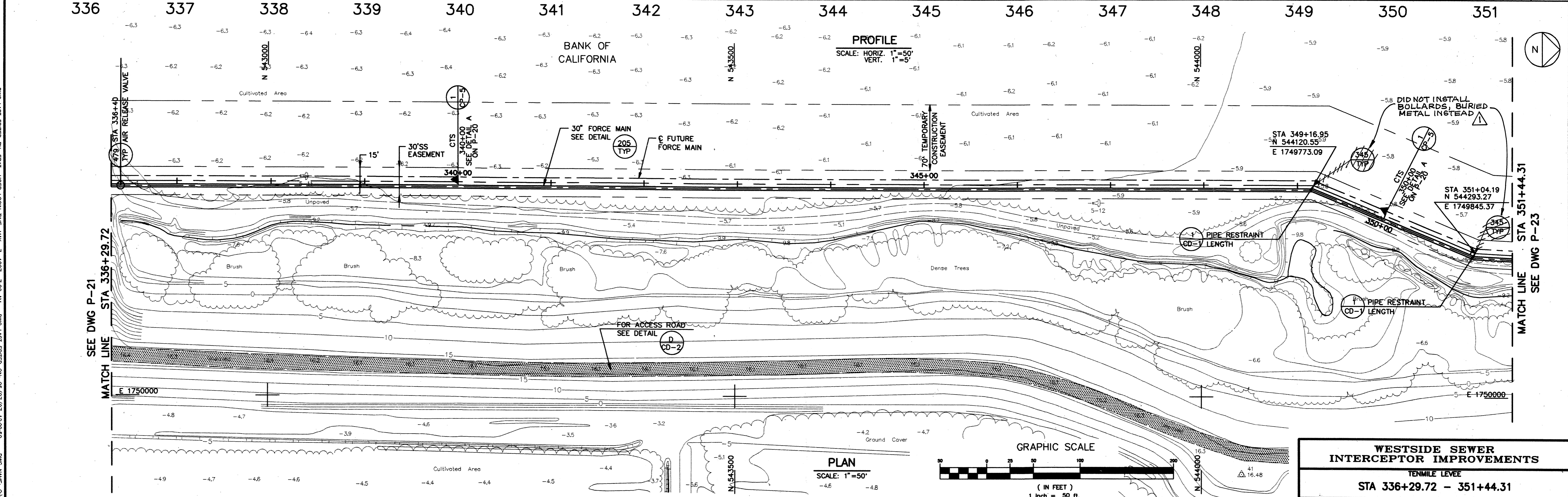
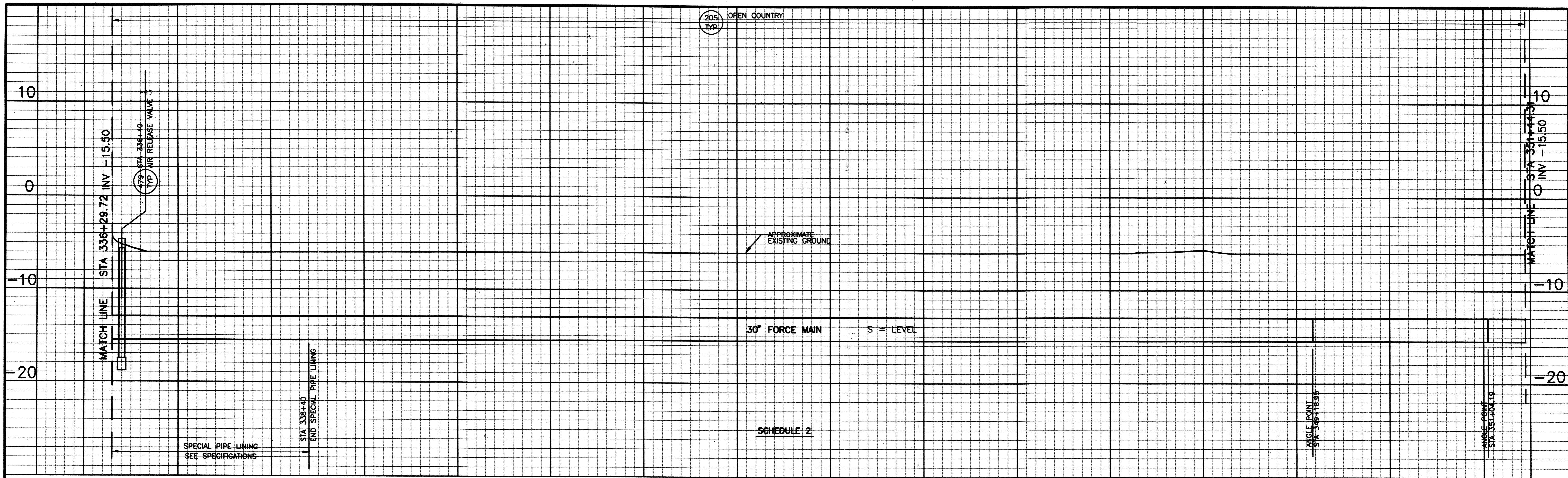
DRAWING NO. **P-21**
SHEET NO. **24 OF 100**
JOB NO. **33850.10**

REV.	DATE	BY	DESCRIPTION	DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER				
3/2000		BEH	RECORD DRAWING							

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE OWNER.

DWG LAST EDITED BY: EPCAT USER LOGIN TIME: JANUARY 30, 1997 7:03 AM
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 XREFS: BDR | P-21 | CH | W9 | BEH |

4006.23Ca



DWG LAST EDITED BY: EXAT USER LOGIN TIME: MAY 7, 1997 7:02 AM DWG LAST EDITED ON: 03/07/97 12:09:59
 DWG NAME: C:\STOCKTON\DESIGN\WSS\2222.DWG
 XREFS: BDR | P-22 | CHP | 1044 | BEH | 22

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
 TEN MILE LEVEL
 STA 336+29.72 - 351+44.31

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'	APPROVED BY: RPW	DATE: 3/21/97	DRAWING NO. P-22
DESIGNED: TFT/BEH	CITY ENGINEER		SHEET NO. 25 OF 100
DRAWN: TFT/ALJ/ELP	AS BUILT BY: PG		JOB NO. 3385D.10

REV.	DATE	BY	DESCRIPTION
1	3/2000	BEH	RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER

REGISTERED PROFESSIONAL ENGINEER
 BARRY E. HANBORN
 No. C50182
 Exp. 12/31/01
 STATE OF CALIFORNIA

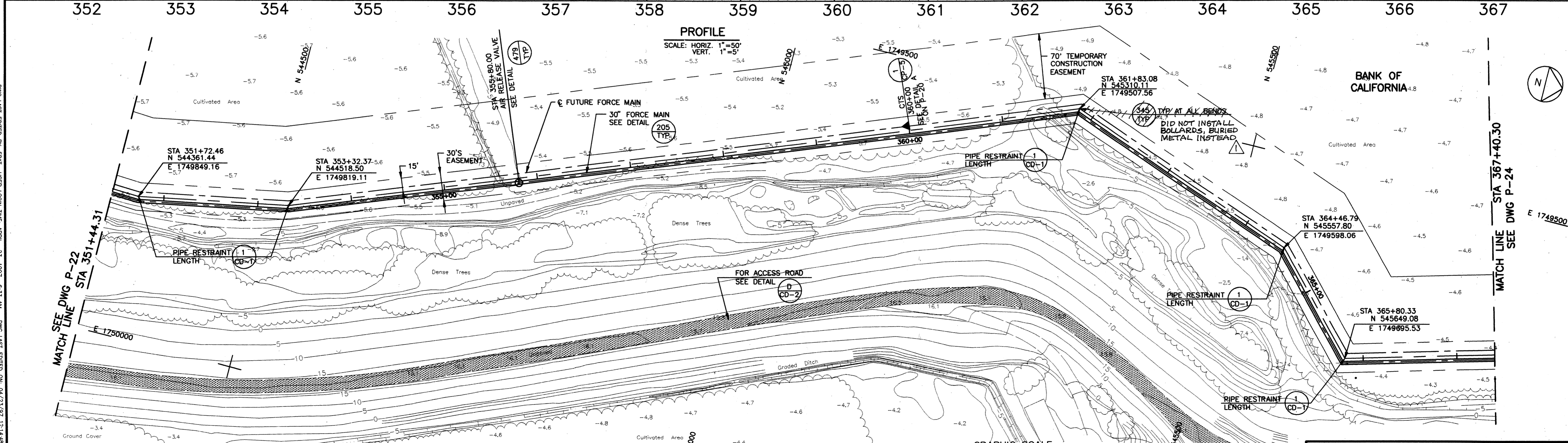
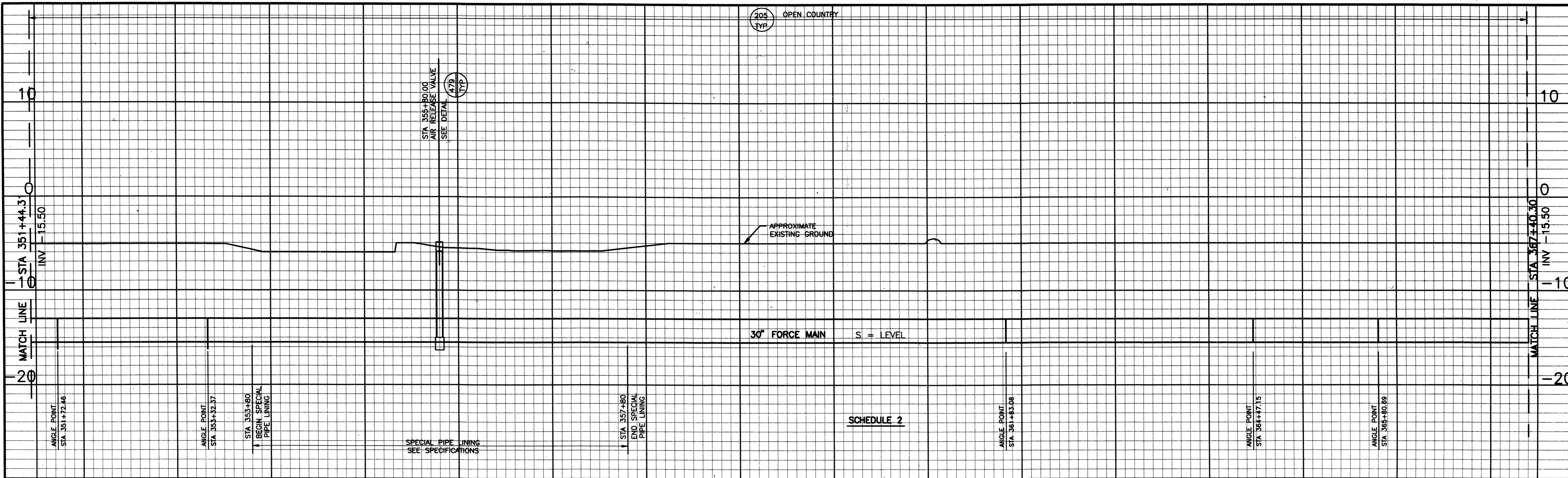
PARTNER

REGISTERED PROFESSIONAL ENGINEER
 WALTER A. BISHOP
 No. C20240
 Exp. 12/31/01
 STATE OF CALIFORNIA



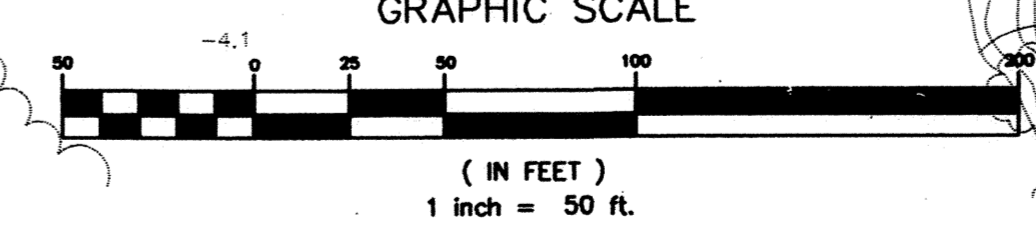
RECORD DRAWING
 THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED UPON THE INFORMATION PROVIDED BY OTHERS.

4006.24C a



PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

PLAN
SCALE: 1"=50'



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED
IN PART ON INFORMATION PROVIDED BY OTHERS.

- NOTES:**
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
 2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

REV.	DATE	BY	DESCRIPTION
3/2000	BEH		RECORD DRAWING
5/6/97	BEH		REVISED 14-MILE LEVEE ALIGNMENT

DISCIPLINE ENGINEER

PROJECT ENGINEER

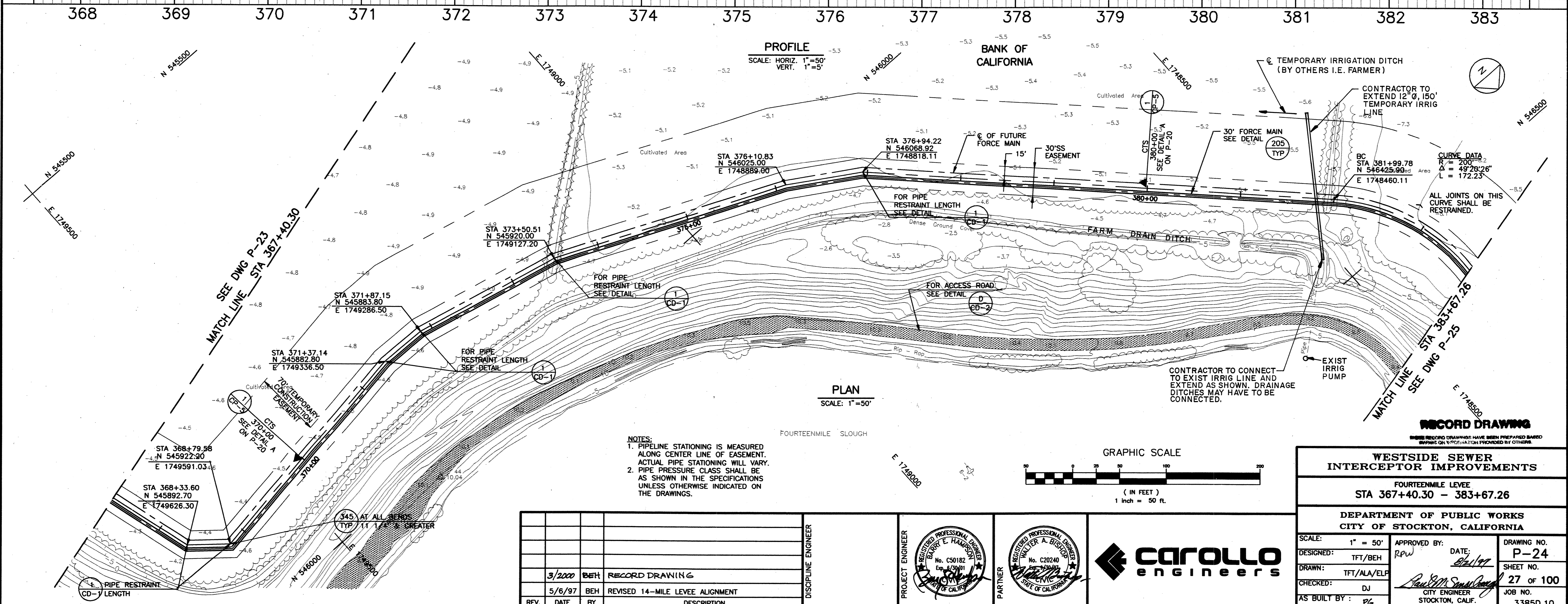
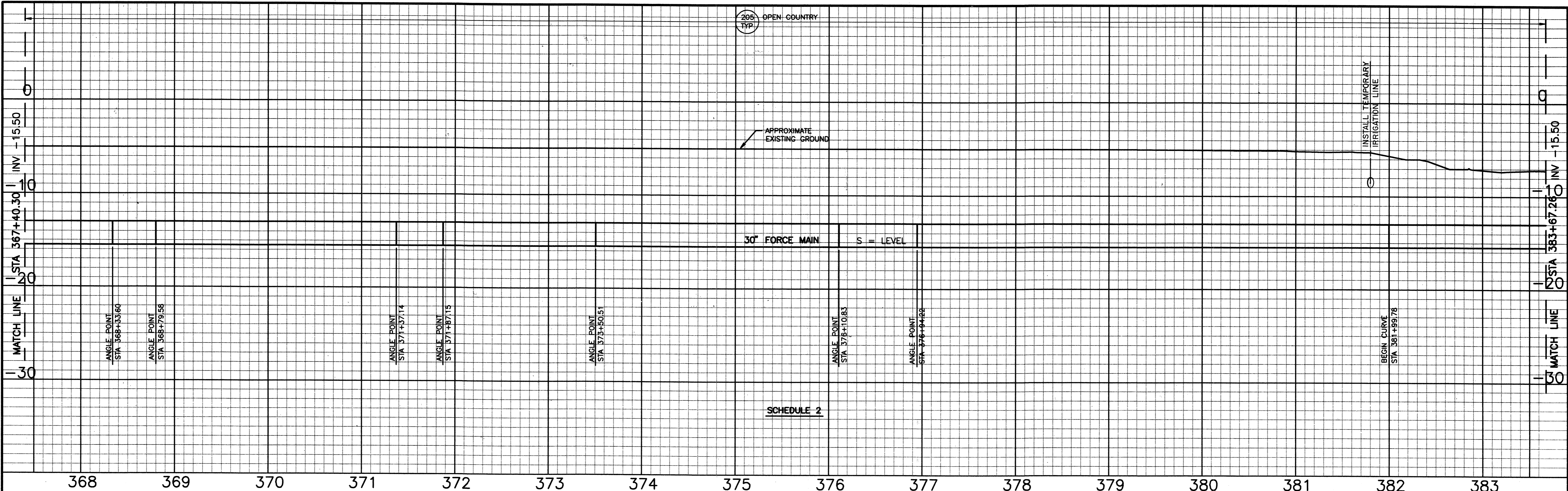
PARTNER



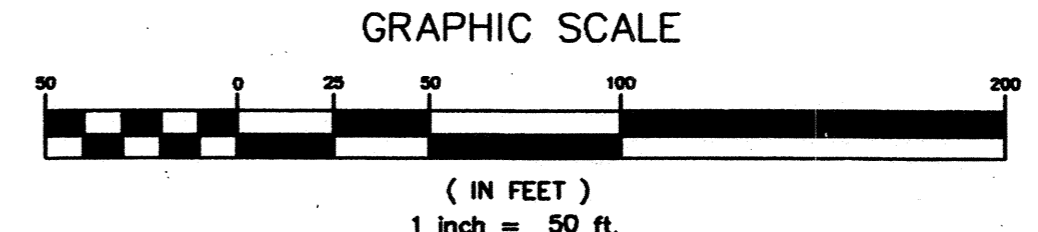
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS			
TENMILE LEVEE STA 351+44.31 - 367+40.30			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: 1" = 50'	APPROVED BY: Rpw	DATE: 2/21/97	DRAWING NO. P-23
DESIGNED BY: TFT/BEH	DRAWN BY: TFT/ALA/ELR		SHEET NO. 26 OF 100
CHECKED BY: DJ	AS BUILT BY: PG		JOB NO. 3385D.10

4006.25C_a

DWG NAME: Q:\STOCKTON\3385D.10\WCS2023.DWG
 DWG LAST EDITED ON: 04/23/97 12:14:48
 DWG LAST EDITED BY: EPMF USER LOGIN TIME: APRIL 23 1997 6:33 AM
 XREFS: BDR | P-23 | CHP | notes | WBS | BEH |



- NOTES:**
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
 2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.



RECORD DRAWING

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

FOURTEENMILE LEVEE
STA 367+40.30 - 383+67.26

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'	APPROVED BY: <i>Rw</i>	DATE: <i>02/19/07</i>	DRAWING NO. P-24
DESIGNED: TFT/BEH	CITY ENGINEER		SHEET NO. 27 OF 100
DRAWN: TFT/ALA/ELF	STOCKTON, CALIF.		JOB NO. 3385D.10
CHECKED: DJ	AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION
3/2000	BEH		RECORD DRAWING
5/6/97	BEH		REVISED 14-MILE LEVEE ALIGNMENT

DISCIPLINE ENGINEER

PROJECT ENGINEER

REGISTERED PROFESSIONAL ENGINEER
BARRY E. HAMMOND
No. CS0182
Exp. 12/31/01
STATE OF CALIFORNIA

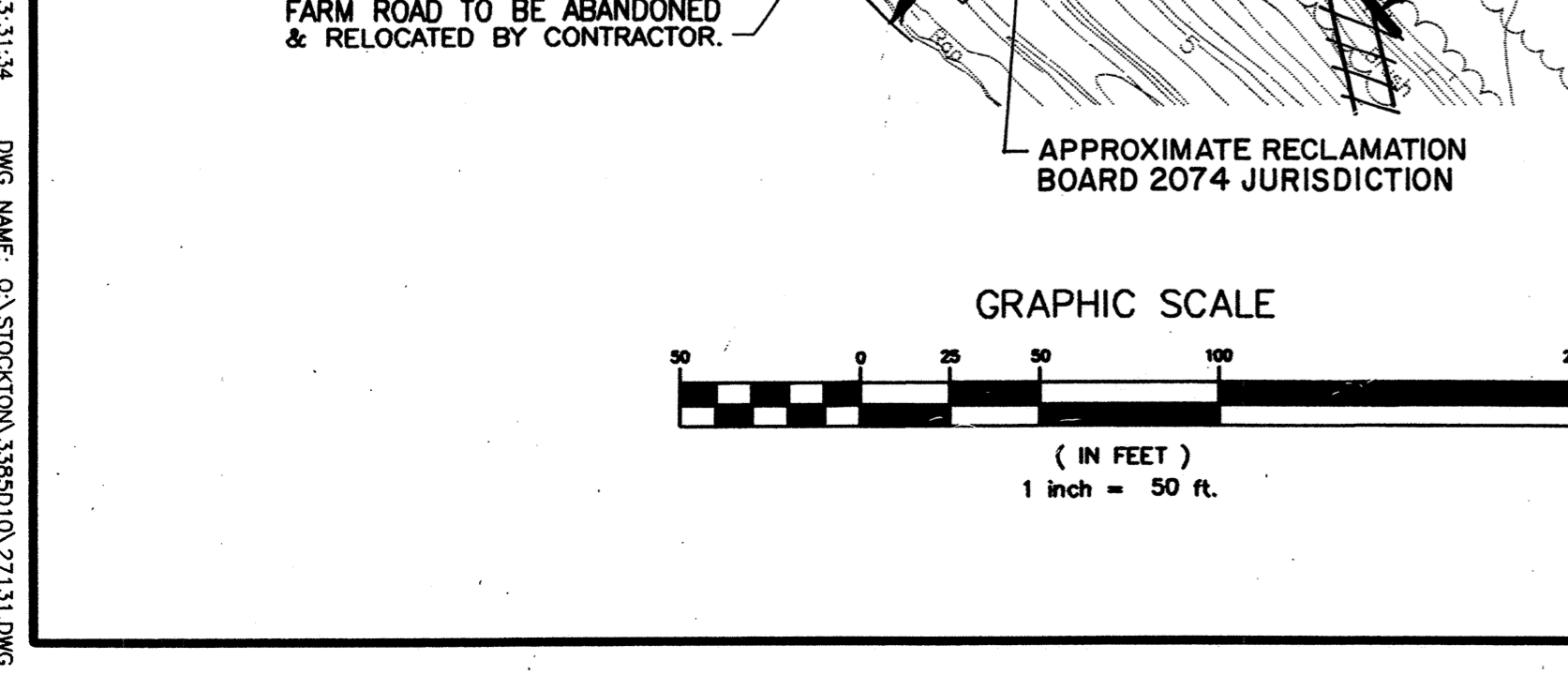
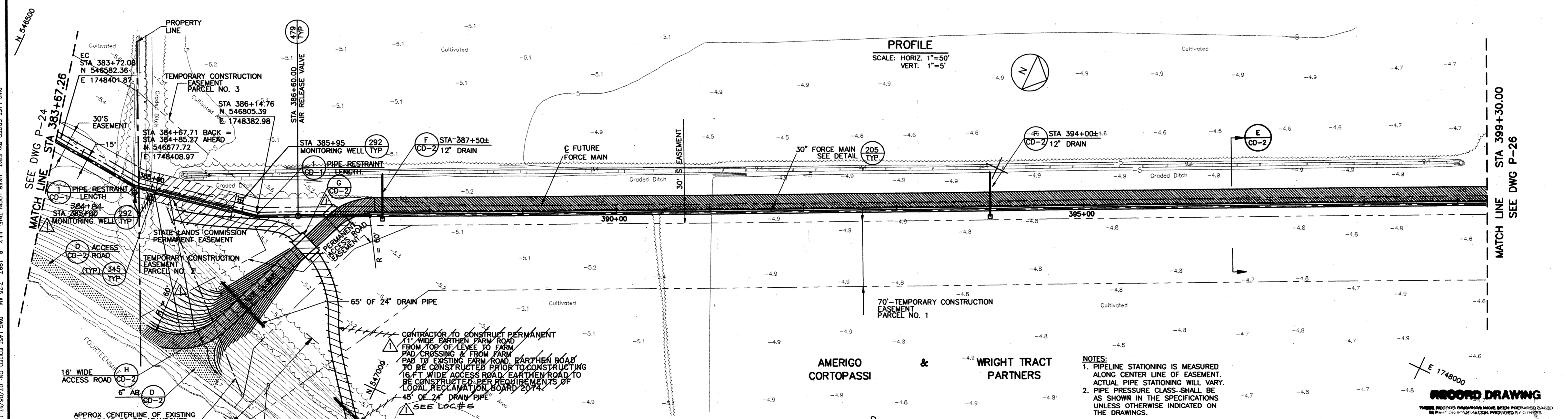
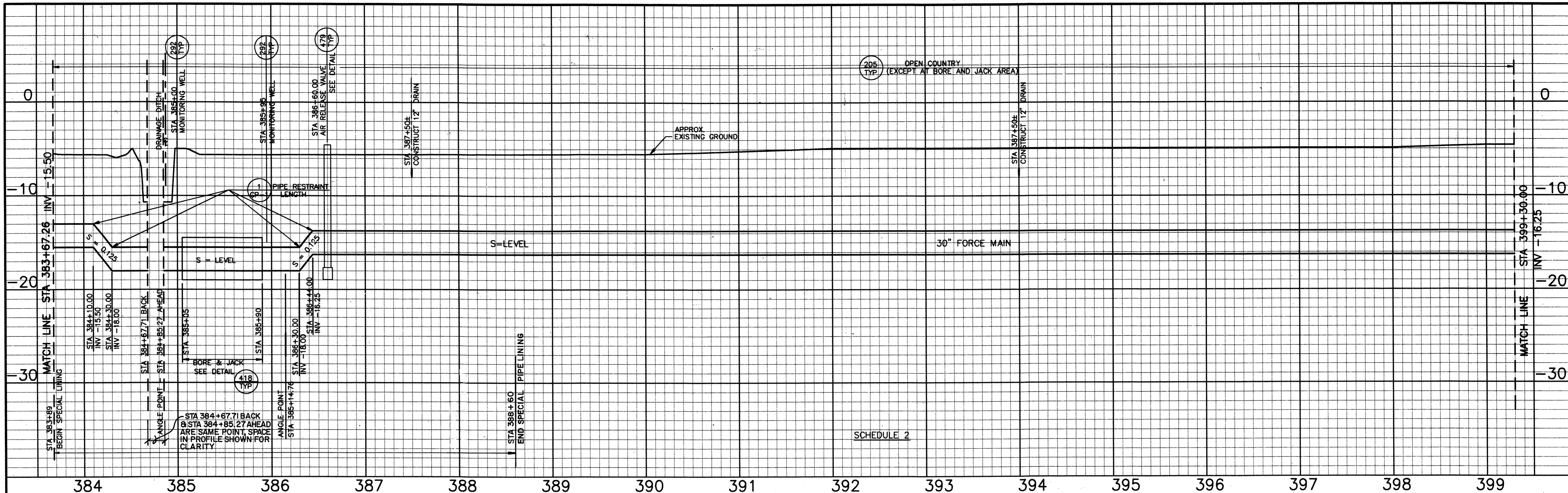
PARTNER

REGISTERED PROFESSIONAL ENGINEER
WALTER A. BIERDORF
No. C20240
Exp. 12/31/01
STATE OF CALIFORNIA



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4006.26Ca



REV.	DATE	BY	DESCRIPTION
1	3/2000	BEH	RECORD DRAWING
2	5/6/97	BEH	REVISED 14-MILE LEVEE ALIGNMENT

AMERIGO CORTOPASSI & WRIGHT TRACT PARTNERS

NOTES:

- PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
- PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

WONG ENGINEERS, INC.
PLANNING ENGINEERING SURVEYING
STOCKTON, CALIFORNIA

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
CORTOPASSI REALIGNMENT
STA 383+67.26 - 399+30.00

CAROLLO engineers

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

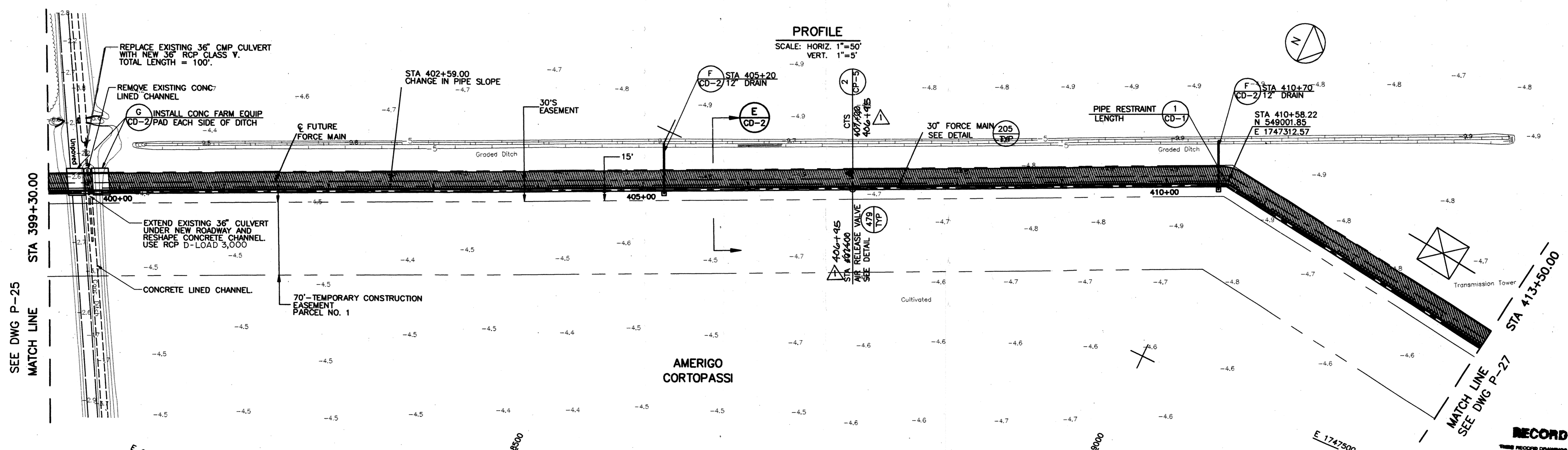
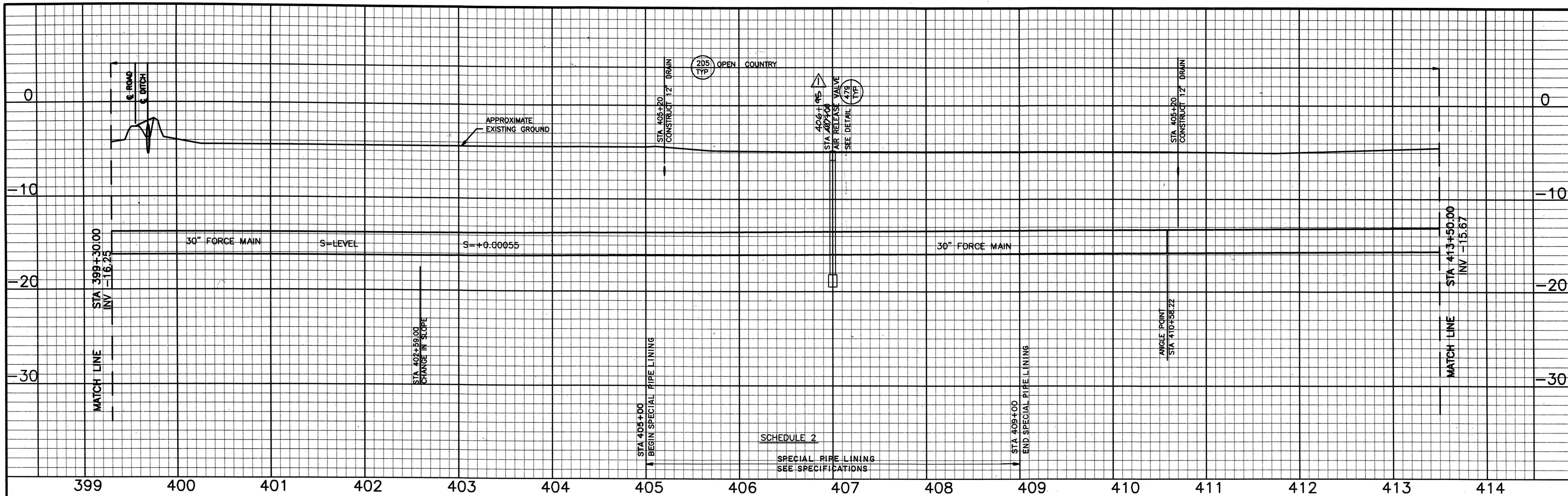
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APPROVED BY: RPW
DATE: 8/21/97
CITY ENGINEER
STOCKTON, CALIF.

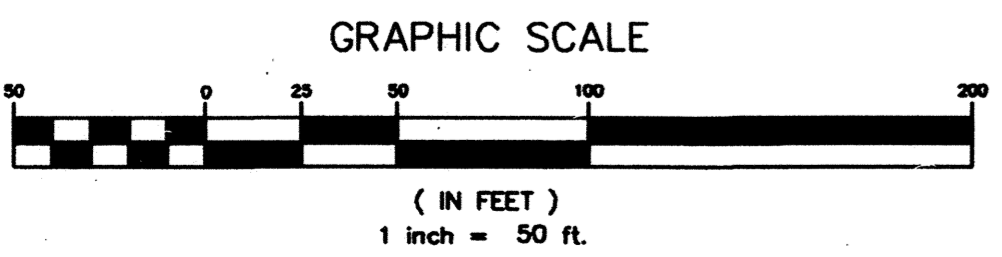
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SHEET NO. 28 OF 100
JOB NO. 3385D.10

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4006.27Ca



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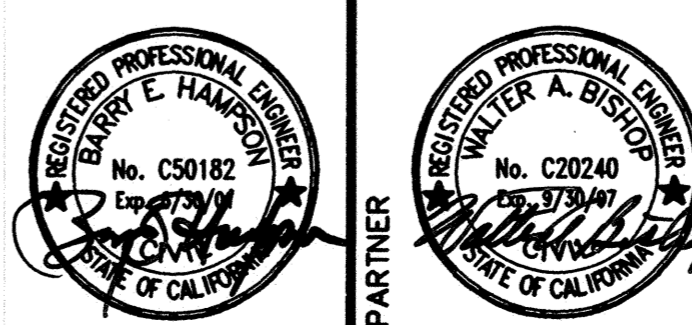


REV.	DATE	BY	DESCRIPTION
3/2000	BEH		RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER

PARTNER



WONG ENGINEERS, INC.
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 STOCKTON, CALIFORNIA



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
 CORTOPASSI REALIGNMENT
 STA 399+30.00 - 413+50.00

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

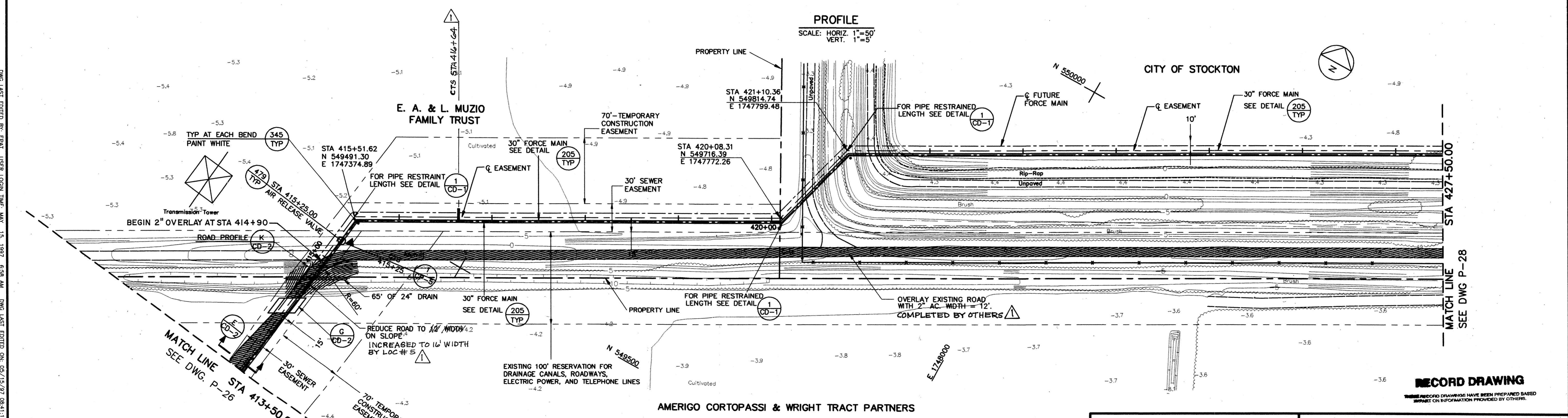
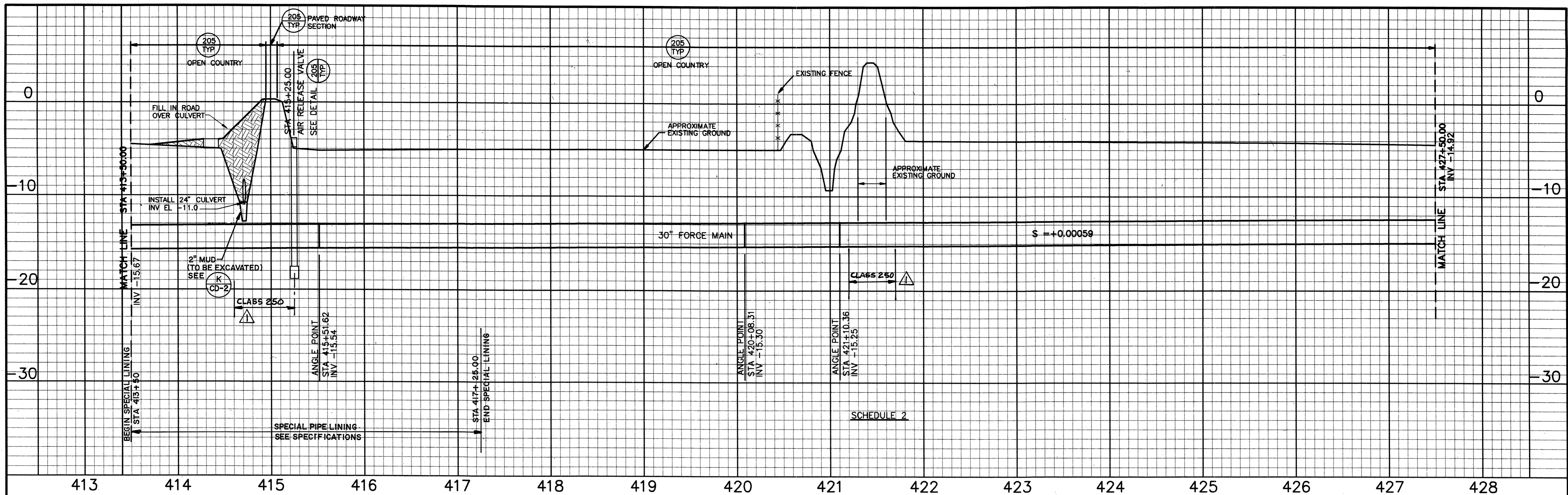
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 CITY ENGINEER
 STOCKTON, CALIF.

DRAWING NO. P-26
 SHEET NO. 29 OF 100
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4006.28Ca

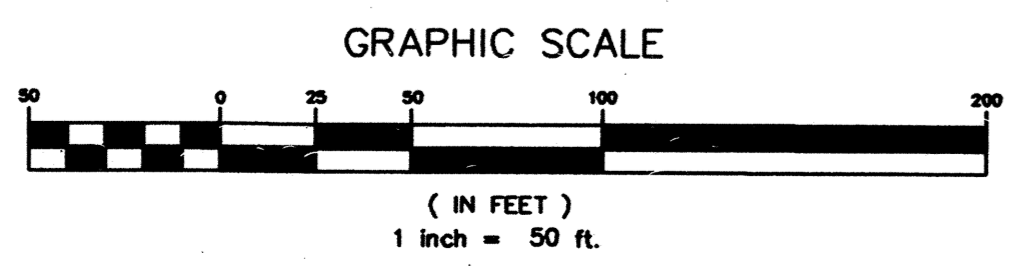
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AMERIGO CORTOPASSI & WRIGHT TRACT PARTNERS

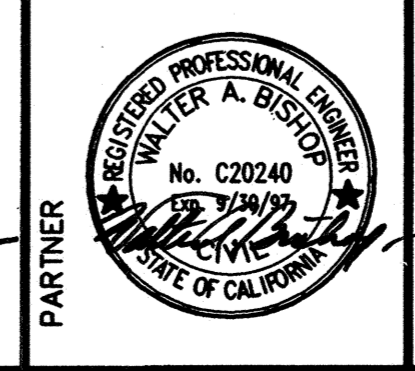
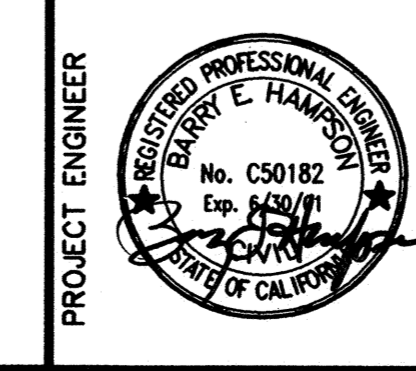
NOTES:
 1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
 2. PIPE PRESSURE CLASS SHALL BE AS SHOWN IN THE SPECIFICATIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.



PLAN
 SCALE: 1"=50'

REV.	DATE	BY	DESCRIPTION
	3/2000	BEH	RECORD DRAWING

DISCIPLINE ENGINEER



WONG ENGINEERS, INC.
 PLANNING ENGINEERING SURVEYING
 STOCKTON, CALIFORNIA

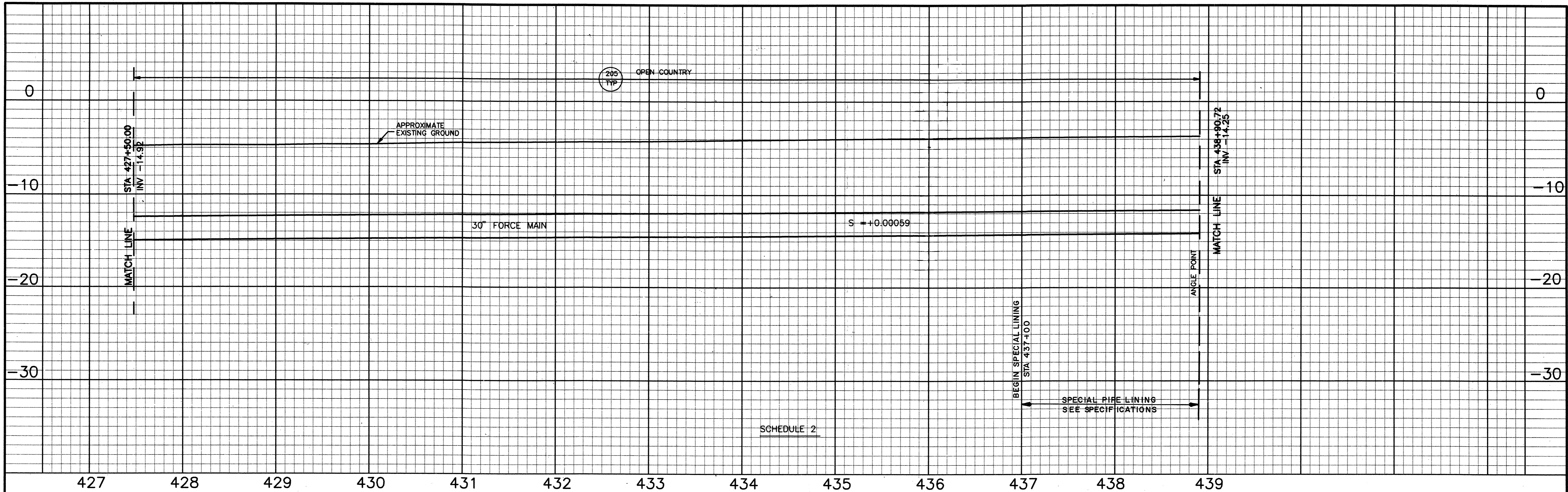
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 CORTOPASSI REALIGNMENT
 STA 413+50.00 - 427+50.00

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

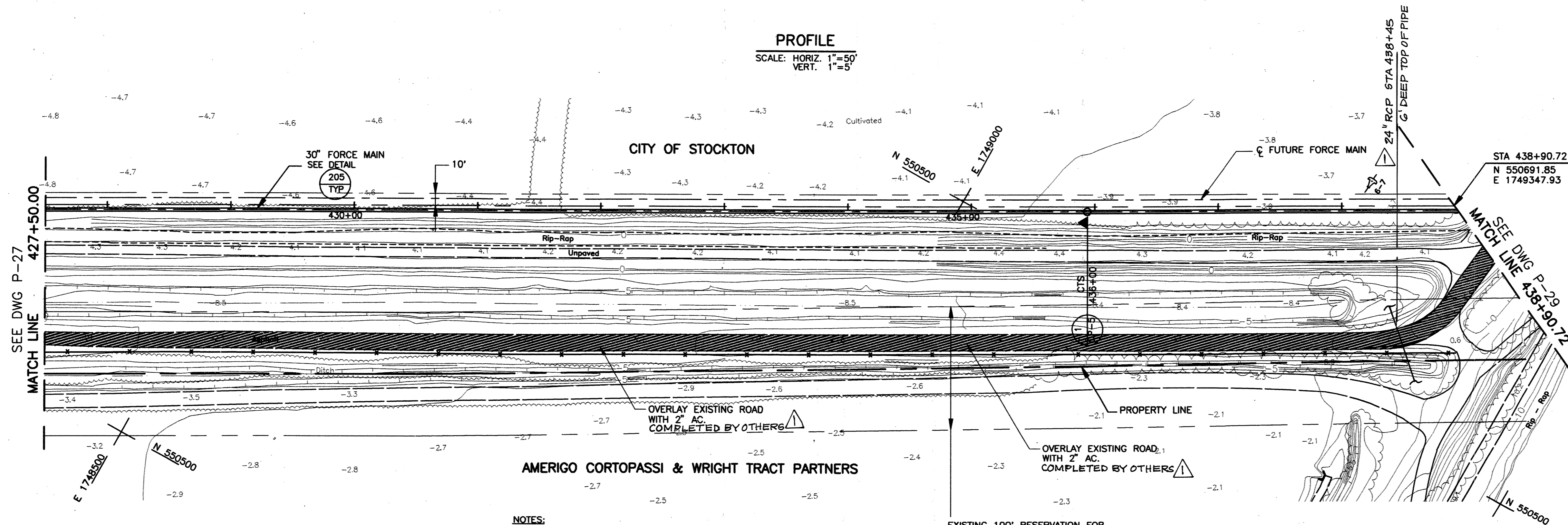
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DRAWN: ZCW		JOB NO. 3385D.10
CHECKED: WCL/DJ		
AS BUILT BY: PG		

4006.29Ca

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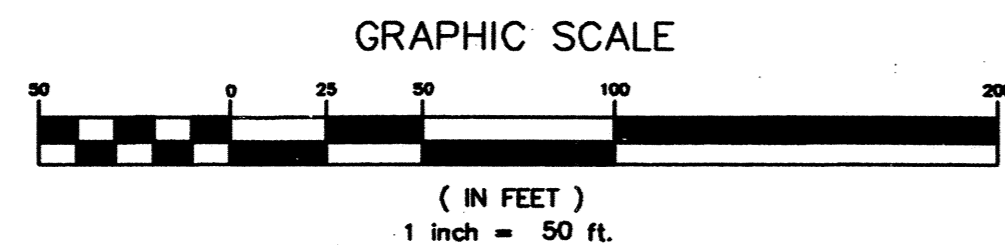


PROFILE
SCALE: HORIZ. 1"=50'
VERT. 1"=5'



PLAN
SCALE: 1"=50'

- NOTES:**
1. PIPELINE STATIONING IS MEASURED ALONG CENTER LINE OF EASEMENT. ACTUAL PIPE STATIONING WILL VARY.
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RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON POINT DATA INFORMATION PROVIDED BY OTHERS.

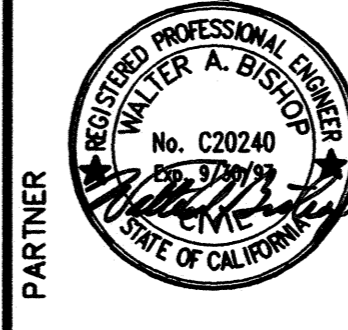
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CORTOPASSI REALIGNMENT
STA 427+50.00 - 438+90.72

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

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DESIGNED: ZCW/JAG		SHEET NO. 31 OF 100
DRAWN: ZCW		JOB NO. 3385D.10
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PLANNING ENGINEERING SURVEYING
STOCKTON, CALIFORNIA

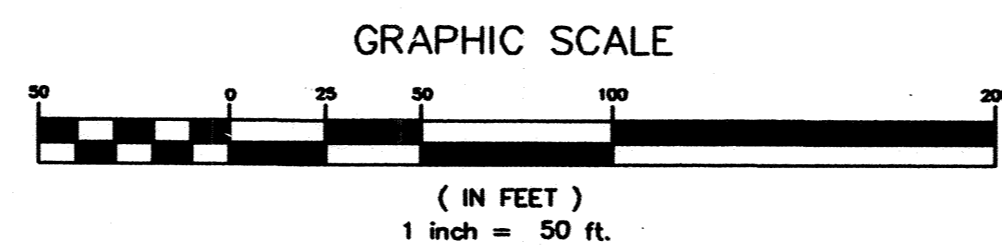
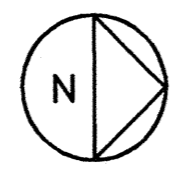
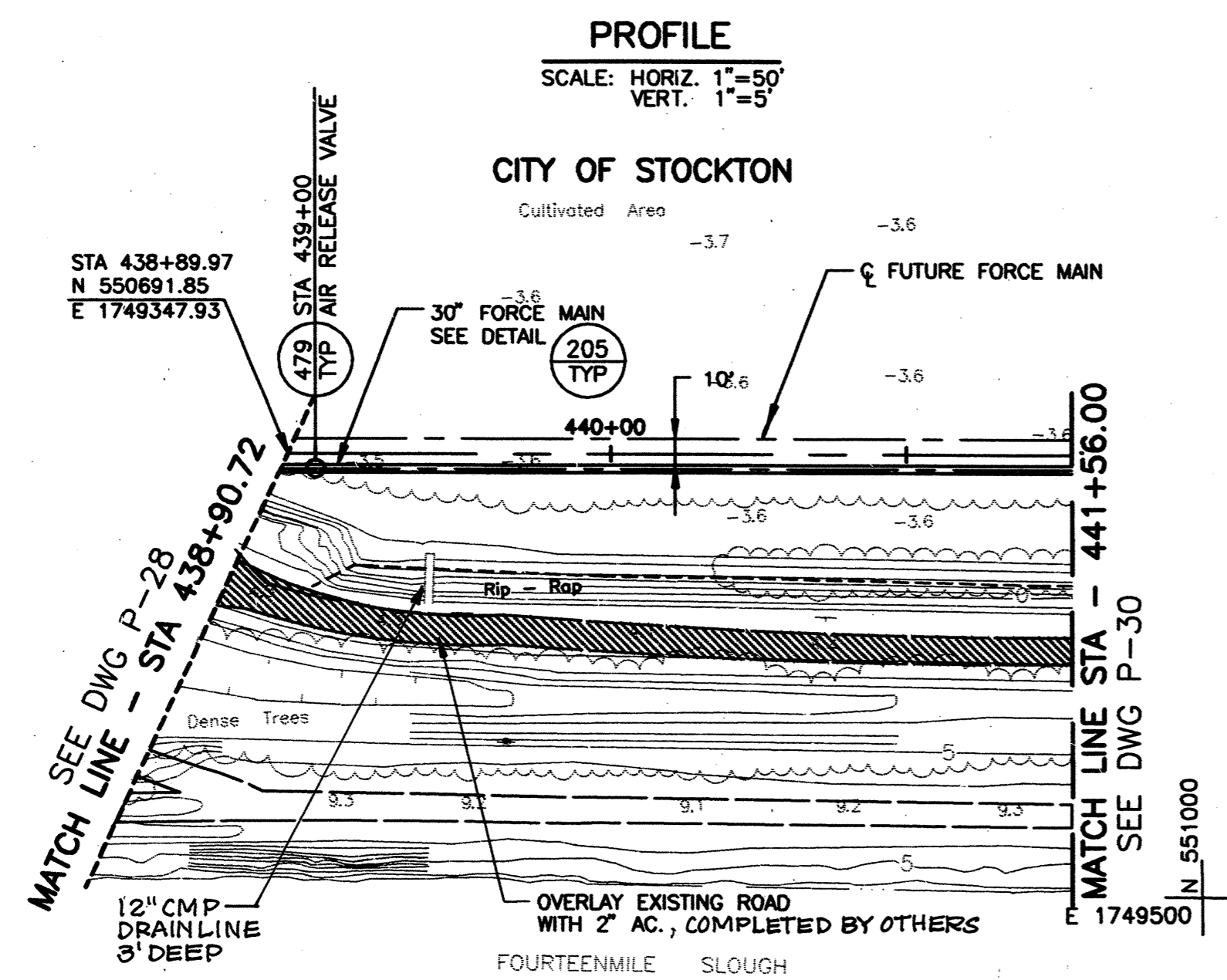
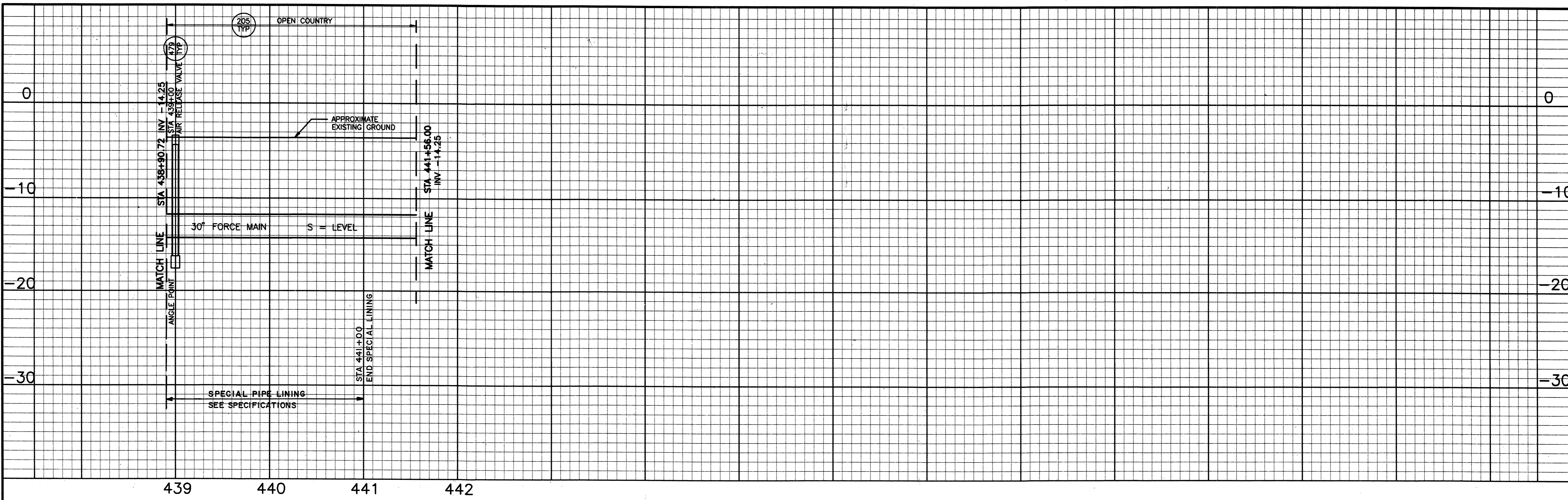
carollo engineers



REV.	DATE	BY	DESCRIPTION
3/2000		BEH	RECORD DRAWING

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4006.30Ca



PLAN
SCALE: 1"=50'

- NOTES:**
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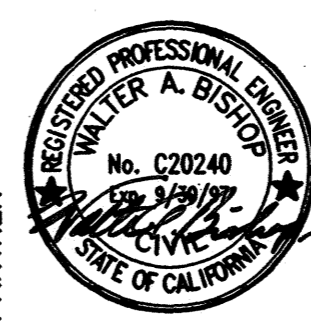
REV.	DATE	BY	DESCRIPTION
3/2000		BEH	RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER



PARTNER



WONG ENGINEERS, INC.
PLANNING ENGINEERING SURVEYING
STOCKTON, CALIFORNIA



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WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

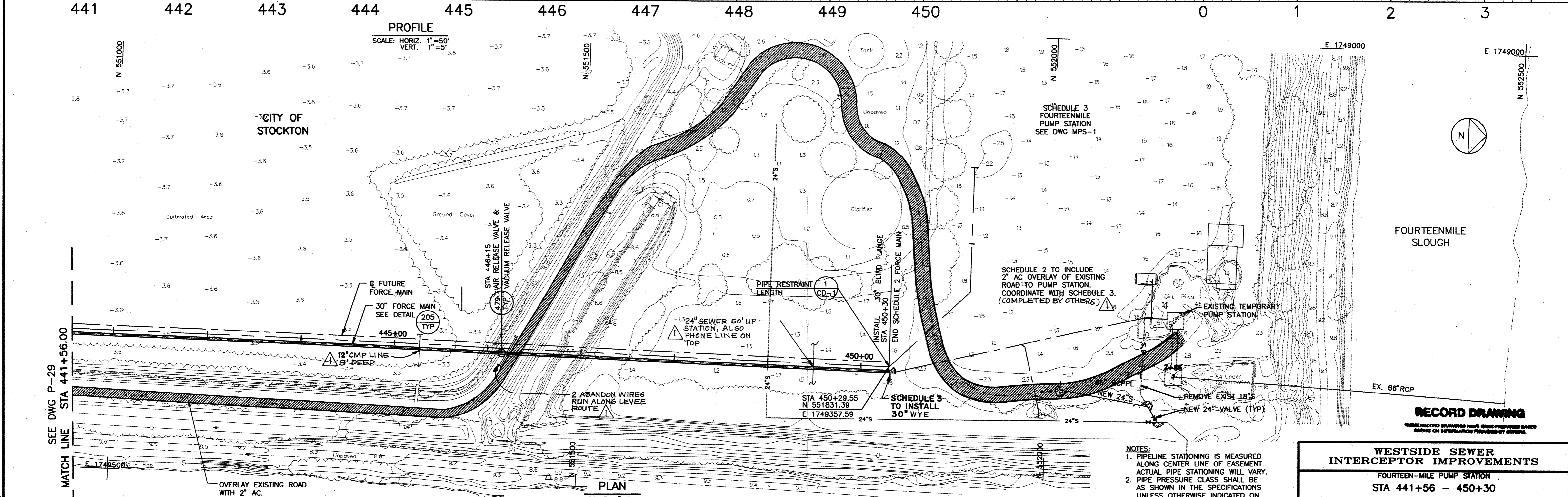
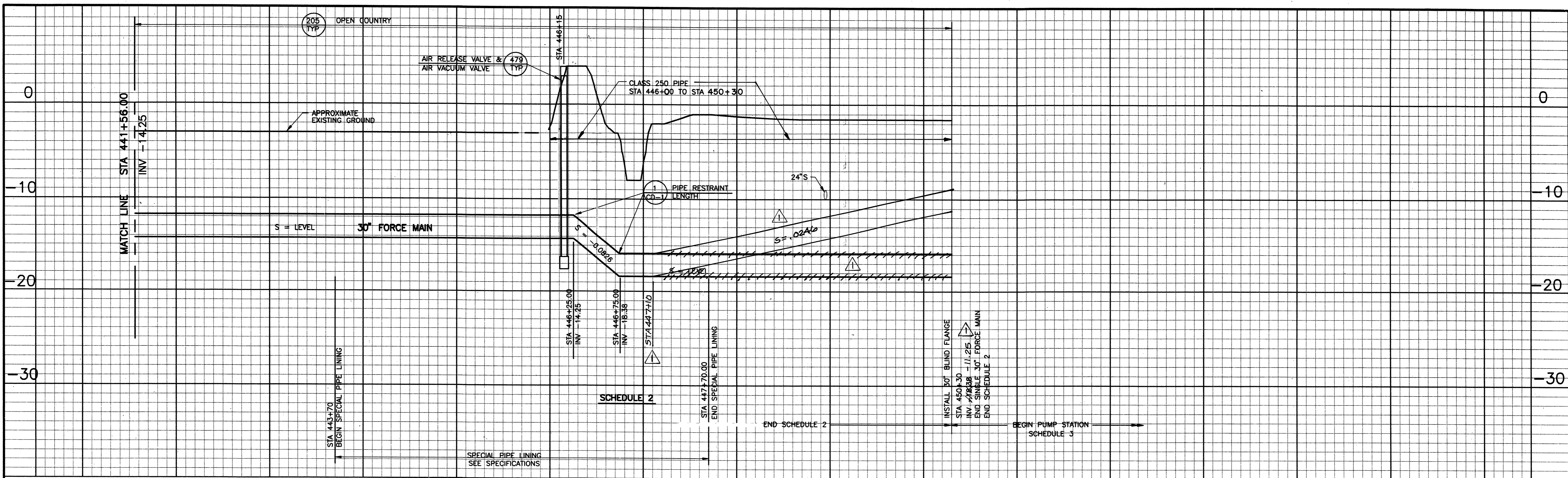
CORTOPASSI REALIGNMENT
STA 438+90.72 - 441+56.00

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

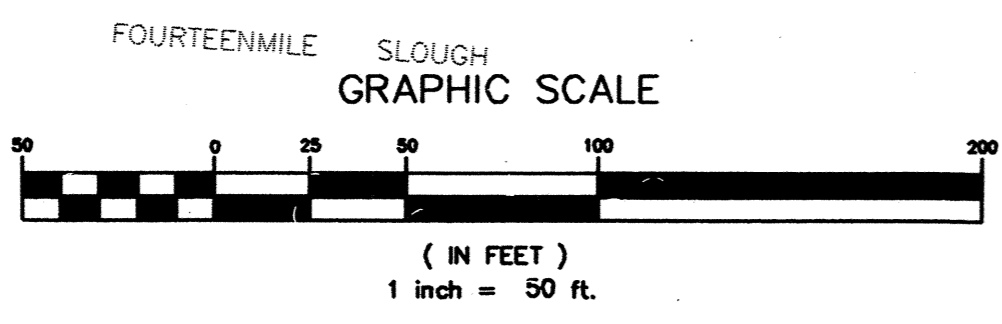
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AS BUILT BY: PS		

4006.BICa

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REV.	DATE	BY	DESCRIPTION
3/2000	BEH		RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER

REGISTERED PROFESSIONAL ENGINEER
 HARRY E. HANSEN
 No. C50182
 Exp. 12/31/00
 STATE OF CALIFORNIA

PARTNER

REGISTERED PROFESSIONAL ENGINEER
 WALTER A. BISHOP
 No. C20240
 Exp. 12/31/00
 STATE OF CALIFORNIA



- NOTES:
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WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

FOURTEEN-MILE PUMP STATION
 STA 441+56 - 450+30

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: 1" = 50'	APPROVED BY: RPW	DATE: 9/21/97	DRAWING NO. P-30
DESIGNED: TFT/BEH	CHECKED: DJ		SHEET NO. 33 OF 100
DRAWN: TFT/ALA/ELP	AS BUILT BY: PG		JOB NO. 3385D.10

4-006.32C

- ALL CONCRETE CONSTRUCTION, INCLUDING BENDING OF BARS, SHALL COMPLY WITH ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318).
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, MINIMUM REINFORCEMENT OF CONCRETE WALLS OR SLABS SHALL BE:
10" THICK OR LESS - USE #5 @ 12" EW
MORE THAN 10" THICK - USE #5 @ 12" EWF
- ALL WALL REINFORCEMENT AT CORNERS OR JUNCTIONS OF WALLS SHALL BE CONTINUOUS, LAPPED, OR TERMINATED IN AN ACI STANDARD 90 DEGREE HOOK. LAP SPLICES SHALL CONFORM WITH NOTE 12.
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL BARS SHALL BE DOWELED. DOWELS SHALL BE THE SAME SIZE AND SPACING AS THE REINFORCEMENT WHICH IS SPLICED TO THE DOWELS.
- ALL SLABS, BEAMS, AND COLUMN REINFORCING BARS SHALL HAVE A MINIMUM EXTENSION OR ANCHORAGE INTO SUPPORTS IN ACCORDANCE WITH ACI 318.
- STIRRUP SUPPORT BARS SHALL BE PROVIDED BETWEEN ENDS OF TOP BARS AS REQUIRED.
- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, CONCRETE COVER OVER #11 AND SMALLER REINFORCING BARS SHALL BE AS FOLLOWS:
 - SLABS AND JOISTS:
FORMED CONCRETE SURFACES FOR DRY CONDITIONS.....3/4"
FORMED CONCRETE SURFACES EXPOSED TO EARTH, WATER, OR WEATHER, OR LOCATED OVER WATER
#5 BARS AND SMALLER.....1 1/2"
#6 BARS AND LARGER.....2"
 - BEAMS AND COLUMNS:
FORMED CONCRETE SURFACES FOR DRY CONDITIONS
STIRRUPS, SPIRALS, AND TIES.....1 1/2"
PRINCIPAL REINFORCEMENT.....2"
FORMED CONCRETE SURFACES EXPOSED TO EARTH, WATER, OR WEATHER, OR BEAMS LOCATED OVER WATER
STIRRUPS AND TIES.....2"
PRINCIPAL REINFORCEMENT.....2 1/2"
 - WALLS:
FORMED CONCRETE SURFACES FOR DRY CONDITIONS.....3/4"
FORMED CONCRETE SURFACES EXPOSED TO EARTH, WATER, OR WEATHER.....2"
 - FOOTINGS AND BASE SLABS:
FORMED VERTICAL CONCRETE SURFACES.....2"
AT UNFORMED SURFACES AND BOTTOMS IN CONTACT WITH EARTH OR CONCRETE WORK MATS.....3"
TOP OF FOOTINGS.....SAME AS SLABS

- REINFORCEMENT SHALL BE PLACED WITHIN A TOLERANCE OF $\pm 1/4"$ OF POSITION SPECIFIED.
* COVER SHALL BE NOT LESS THAN 1 BAR DIAMETER OF OUTSIDE BAR.
- KEYWAYS AND WATERSTOP SHALL END 3" BELOW THE TOP OF WALLS, UNLESS THERE IS A SLAB ON TOP OF THE WALL, IN WHICH CASE IT SHALL END AT THE BOTTOM OF THE SLAB. IN JOINTS WHERE WATERSTOP TERMINATES AT ADJOINING SLAB OR WALL, WATERSTOP SHALL BE EMBEDDED IN ADJOINING SLAB OR WALL A MINIMUM OF 6".
- CONCRETE CURING SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WHERE WATER CURING IS REQUIRED, MEMBRANE CURING IS NOT ALLOWED. THE CONTRACTOR IS WARNED THAT WATER CURING IS DIFFICULT AT TIMES DUE TO WIND AND DRY CONDITIONS. THE CONTRACTOR SHALL STUDY REQUIREMENTS AND SHALL FURNISH ADEQUATE SYSTEMS TO PROVIDE WATER CURING WHERE REQUIRED. TOP OF WALLS SHALL BE KEPT VISIBLY MOIST AT ALL TIMES AND SHALL BE FLOODED NOT LESS THAN THREE TIMES DAILY.
- WATERSTOP SHALL BE PLACED IN ALL CONSTRUCTION, CONTRACTION, AND EXPANSION JOINTS IN ALL WATERBEARING SLABS AND WALLS UNLESS OTHERWISE INDICATED ON THE DRAWINGS, AND IN ALL WALLS AND SLABS SUBJECTED TO GROUNDWATER. WATERSTOP IN THE WALLS SHALL BE CARRIED INTO SLABS AND SHALL BE SPLICED WITH THE WATERSTOP IN THE SLABS.
- NO BACKFILL SHALL BE PLACED AGAINST WALLS UNTIL CONCRETE HAS REACHED THE SPECIFIED STRENGTH AND THE CONNECTING SLABS AND BEAMS HAVE BEEN CAST AND HAVE REACHED THE SPECIFIED STRENGTH.
- LAP SPLICES:
 - UNLESS OTHERWISE INDICATED ON THE DRAWINGS, THE LENGTH OF THE LAP SPICE SHALL BE CLASS "A" WHEN NO MORE THAN 1/2 THE BARS ARE LAP SPLICED WITHIN THE TABULATED LENGTH AND CLASS "B" WHEN MORE THAN 1/2 THE BARS ARE LAP SPLICED WITHIN THE TABULATED LENGTH.
 - VALUES TABULATED BELOW FOR SPLICES ARE APPLICABLE ONLY WHEN THE COVER IS EQUAL TO ONE BAR DIAMETER OR MORE.
 - WHEN MULTIPLE BARS ARE SPLICED AT THE SAME SECTION, THE CLEAR BAR SPACING IS THE MINIMUM CLEAR DISTANCE BETWEEN THE BARS OUTSIDE THE SPICE LENGTH LESS ONE BAR DIAMETER.
 - UNLESS OTHERWISE INDICATED ON THE DRAWINGS, THE BARS AT A LAP SPICE SHALL BE IN CONTACT WITH EACH OTHER.
 - FOLLOWING TABULATED VALUES ARE CALCULATED FOR:
 $F_y = 60,000$ PSI
 $F_c = 4,000$ PSI
 - TOP BARS ARE ALL HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
 - HORIZONTAL BARS IN CIRCULAR WALLS OF HYDRAULIC STRUCTURES SHALL BE SPLICED WITH CLASS "B" TOP BAR LAP SPLICES WITH THE SPLICES IN EACH LAYER OF REINFORCEMENT STAGGERED ONE SPICE LENGTH.

REINFORCING BAR LAP SPICE					
BAR #	MINIMUM CLEAR BAR SPACING (BAR DIA)	LAP SPICE LENGTH (INCHES)			
		TOP BARS		OTHER BARS	
		CLASS "A"	CLASS "B"	CLASS "A"	CLASS "B"
REQUIREMENT FOR WALLS AND SLABS *					
#4	MORE THAN 2	18	24	14	18
#5	MORE THAN 2	23	30	18	23
#6	MORE THAN 2	31	40	23	31
	5	28	36	21	28
#7	MORE THAN 2	42	54	32	42
	5	33	43	26	33
#8	MORE THAN 2	54	71	42	54
	5	43	56	33	43
#9	MORE THAN 2	69	89	53	69
	5	55	71	42	55
#10	MORE THAN 2	88	114	67	88
	5	70	91	54	70
#11	MORE THAN 2	108	140	83	108
	5	86	112	66	86
BEAMS AND COLUMNS **					
#4	MORE THAN 2	18	24	14	18
#5	MORE THAN 2	23	30	18	23
#6	MORE THAN 2	31	40	23	31
#7	MORE THAN 2	42	54	32	42
#8	MORE THAN 2	54	71	42	54
#9	MORE THAN 2	69	89	53	69
#10	MORE THAN 2	88	114	67	88
#11	MORE THAN 2	108	140	83	108

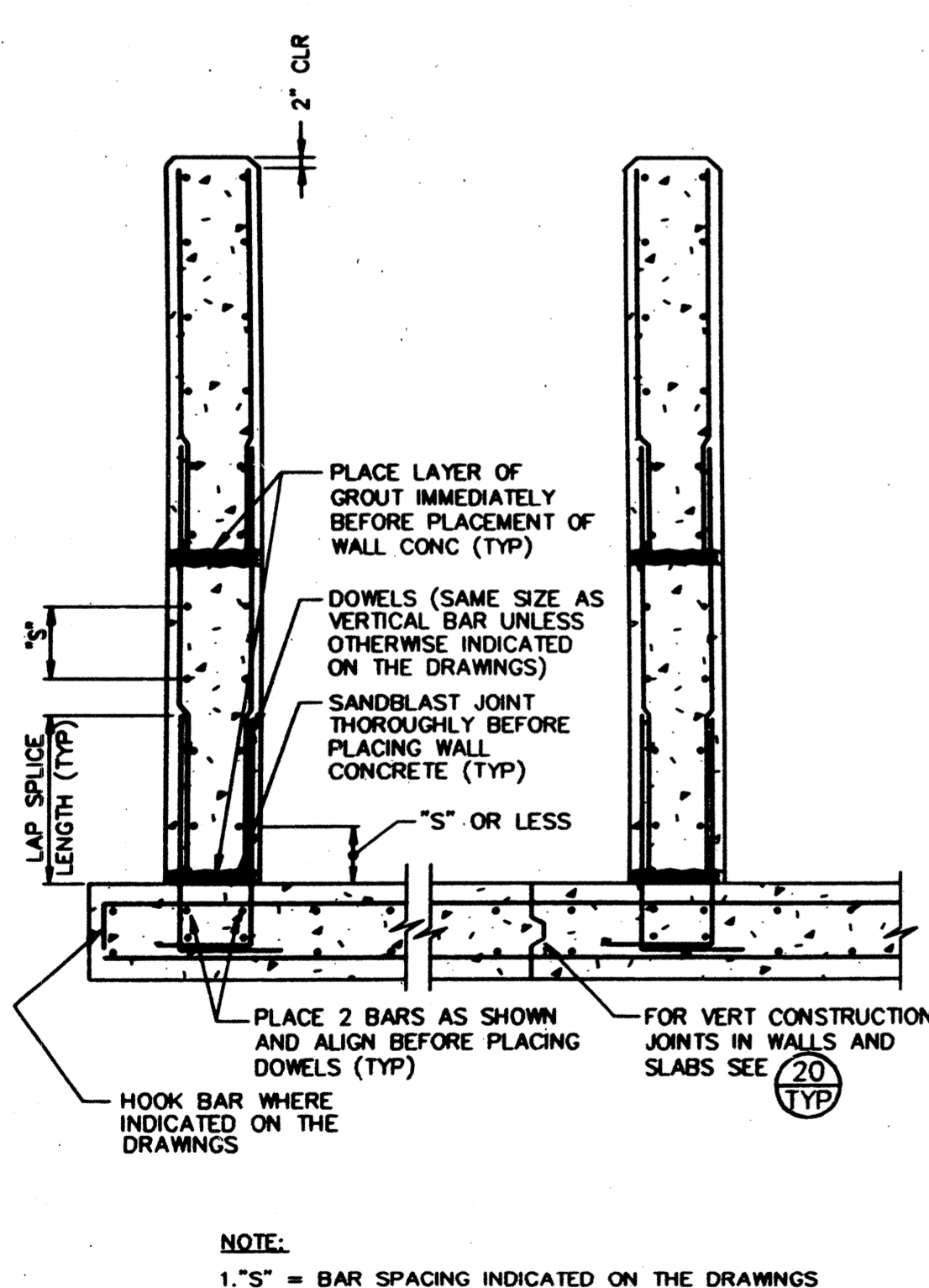
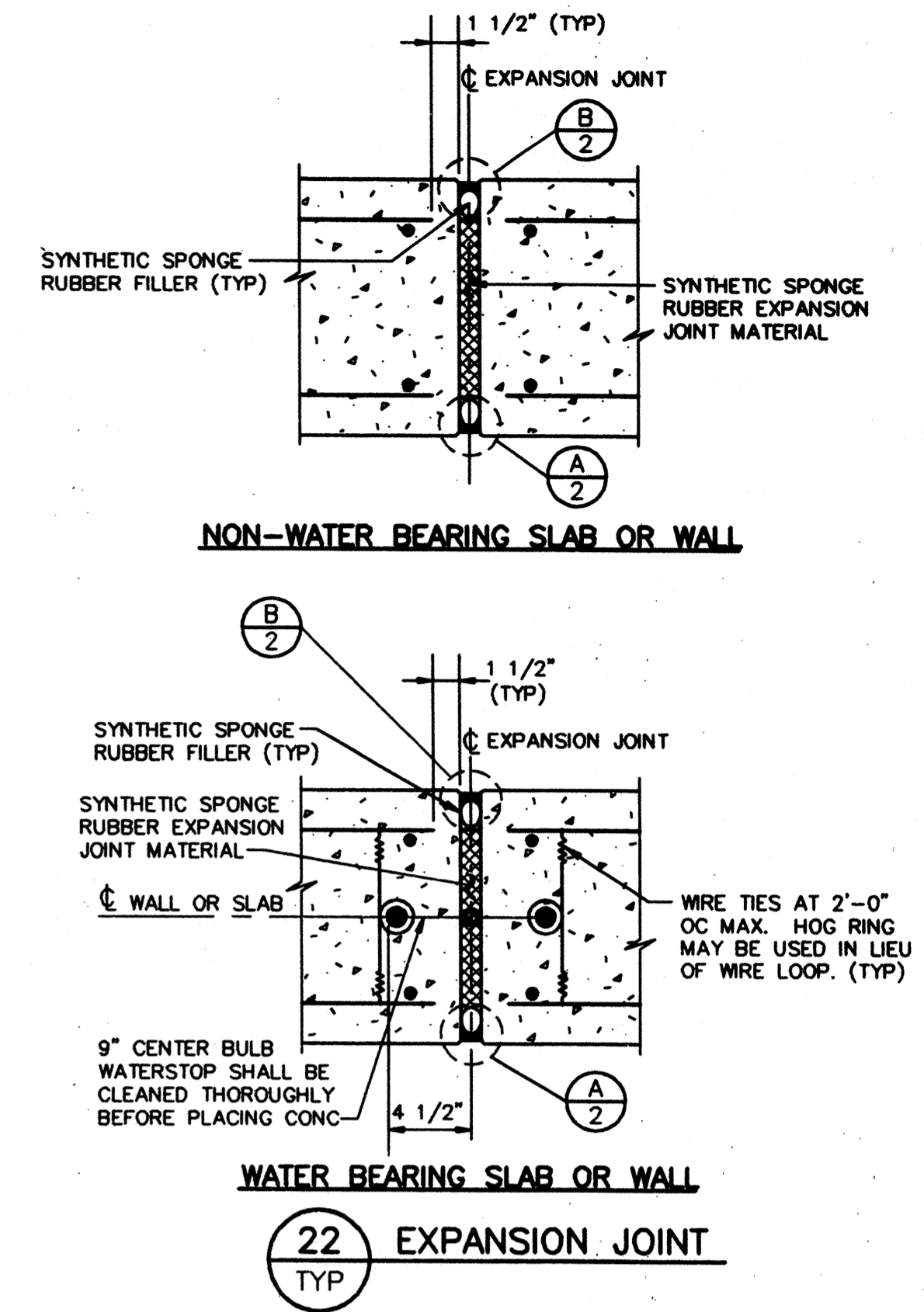
- FOR INNER LAYER OF REINFORCEMENT IN WALLS AND SLABS, THE LAP SPICE LENGTH OF #9, #10, AND #11 BARS MAY BE REDUCED BY 25 PERCENT IF CLEAR SPACING IS THREE BAR DIAMETERS OR MORE.
- TABULATED VALUES ARE FOR BARS WITH CLEAR SPACING OF MORE THAN TWO BAR DIAMETERS. THESE VALUES MAY BE REDUCED BY 25 PERCENT FOR #9, #10, #11 BARS IF THE CLEAR SPACING IS THREE BAR DIAMETERS OR MORE. IF THE CLEAR SPACING IS LESS THAN OR EQUAL TO TWO BAR DIAMETERS, VALUES TABULATED ABOVE SHALL BE INCREASED BY 50 PERCENT.

1 REINFORCED CONCRETE NOTES

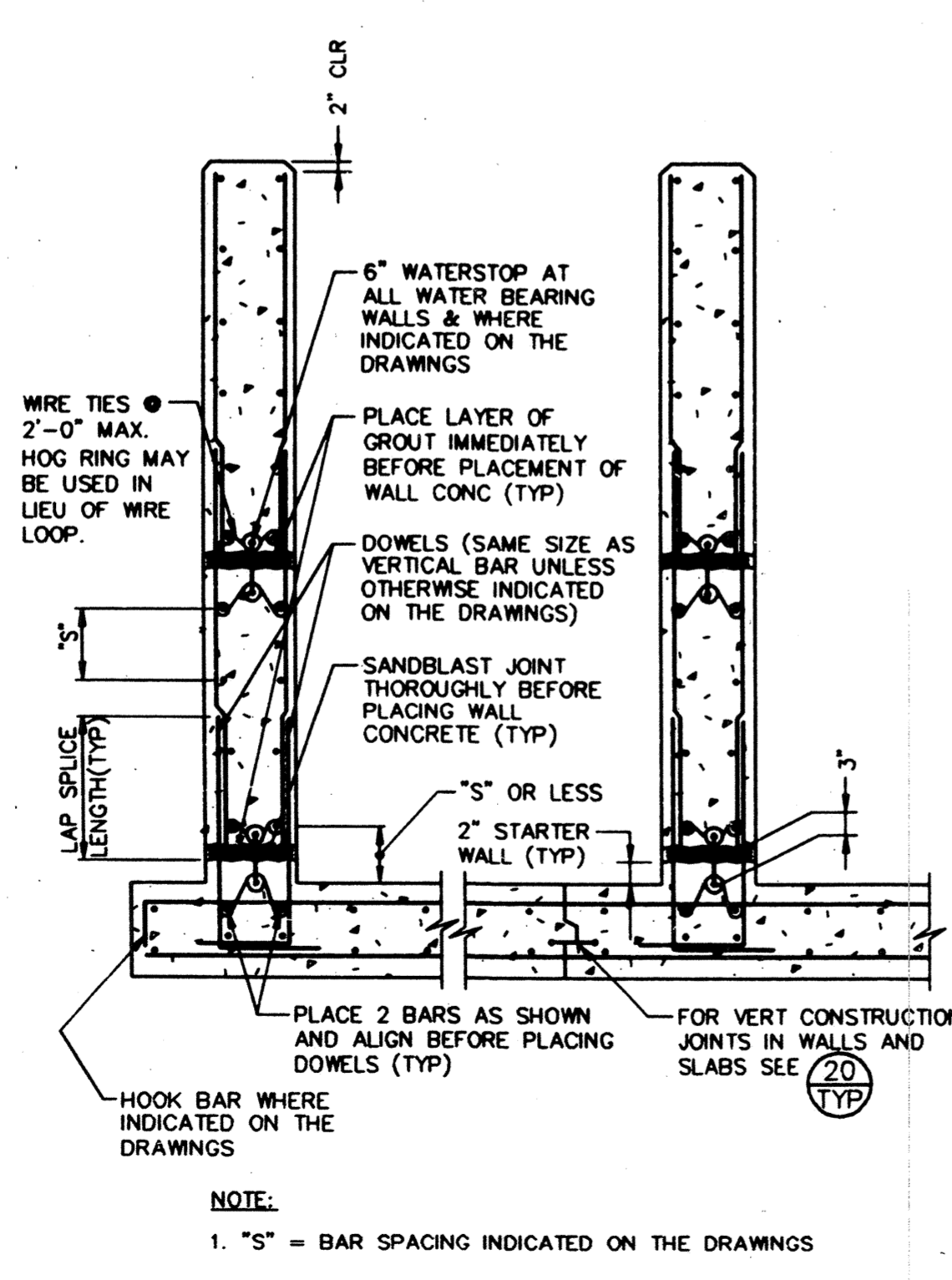
AREAS	FINISH
EXTERIOR WALLS BELOW GRADE BUT NOT EXPOSED TO WATER.	F-1
EXTERIOR AND INTERIOR WALLS EXPOSED TO WATER, WHERE NOT SPECIFIED TO BE PAINTED.	F-3
INTERIOR AND EXTERIOR WALLS AND CEILINGS SPECIFIED TO BE PAINTED.	F-4*
INTERIOR AND EXTERIOR WALLS AND CEILINGS SPECIFIED TO VIEW, UNDERSIDE OF FORMED FLOORS OR SLABS.	F-4
SLABS AND FLOORS TO BE COVERED WITH GROUT OR CONCRETE FILL, EXCEPT CLARIFIERS AND THICKENERS. SEE SPECIFICATIONS.	S-1
SLABS AND FLOORS NOT WATER BEARING AND ALL CONCRETE SURFACES NOT DEFINED ELSEWHERE.	S-3
SLABS AND FLOORS WHICH ARE WATER BEARING.	S-3
SLABS AND FLOORS OF STRUCTURES OR BUILDINGS EXPOSED TO VIEW AND EXTERIOR SIDE OF PRECAST WALLS.	S-3
EXTERIOR WALKWAYS, WALKWAYS AROUND PROCESS STRUCTURES, AND TOPS OF WALLS.	S-4
RAMPS (WITH ADDITION OF NONSLIP ABRASIVE).	S-4

* FOR REQUIREMENTS IN ADDITION TO F-4, SEE SPECIFICATION DIVISION 3.

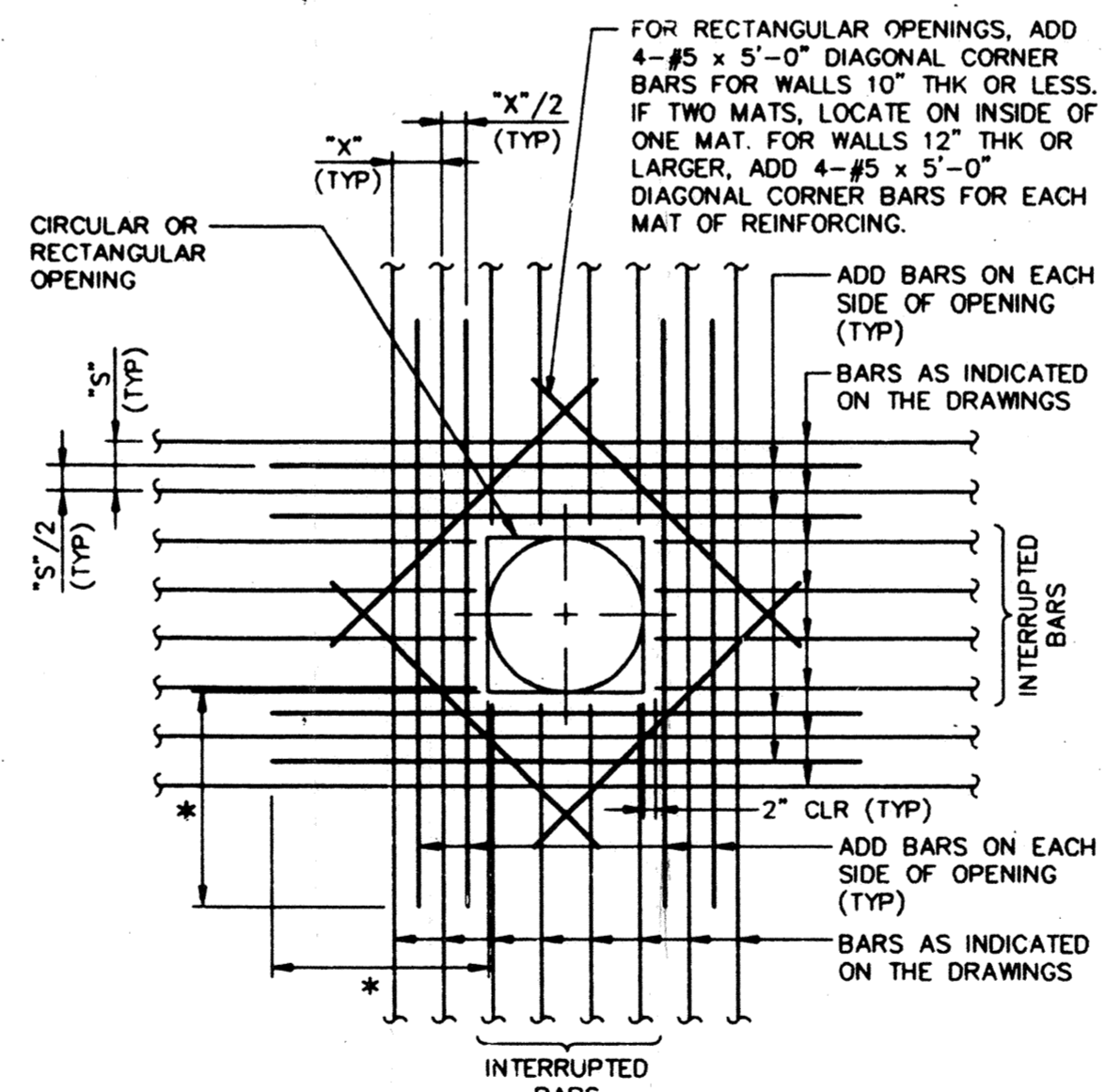
19 CONCRETE FINISH SCHEDULE



23 WALL AND SLAB JOINTS WITHOUT WATERSTOP

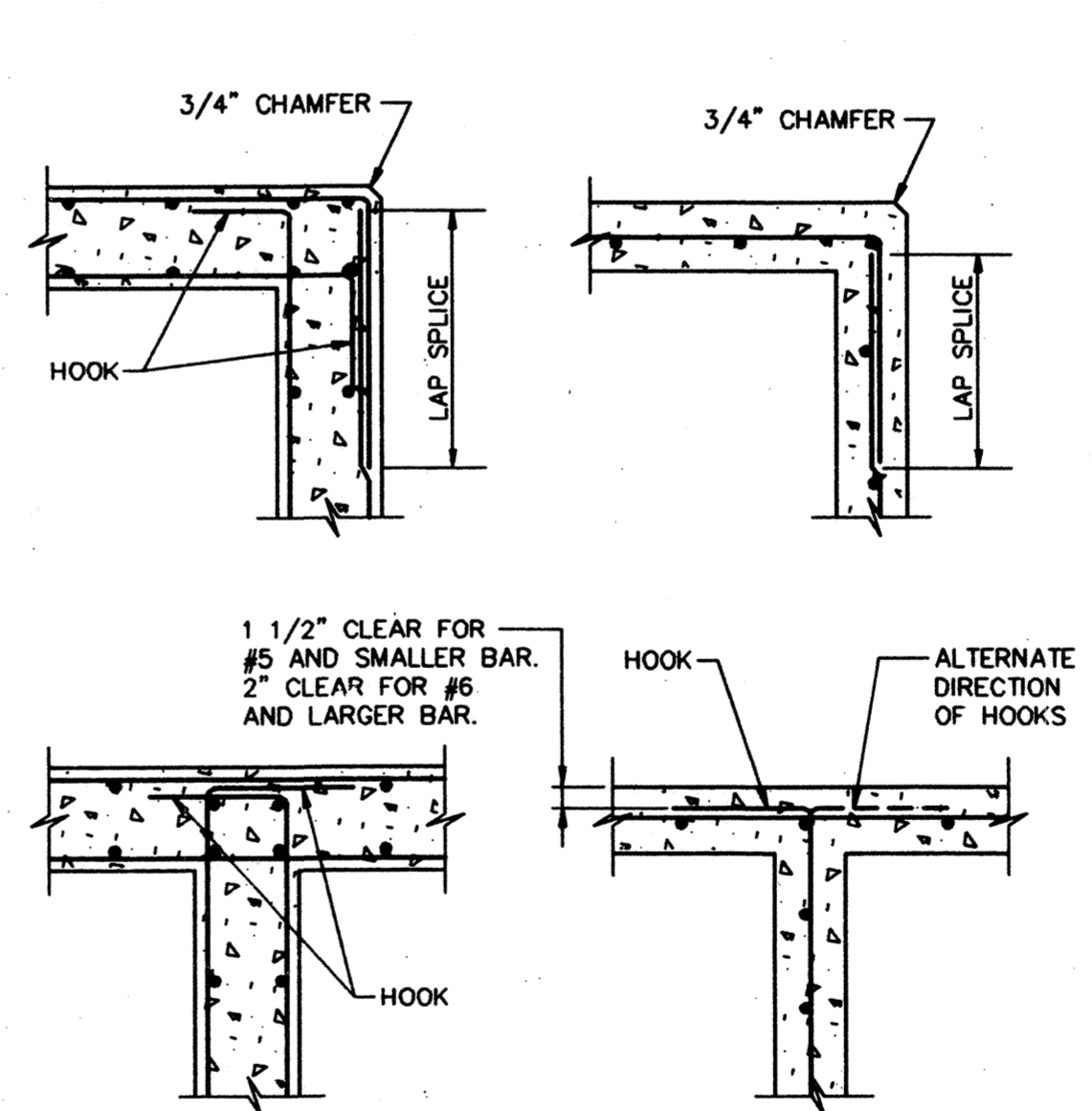


24 WALL AND SLAB JOINTS WITH WATERSTOP

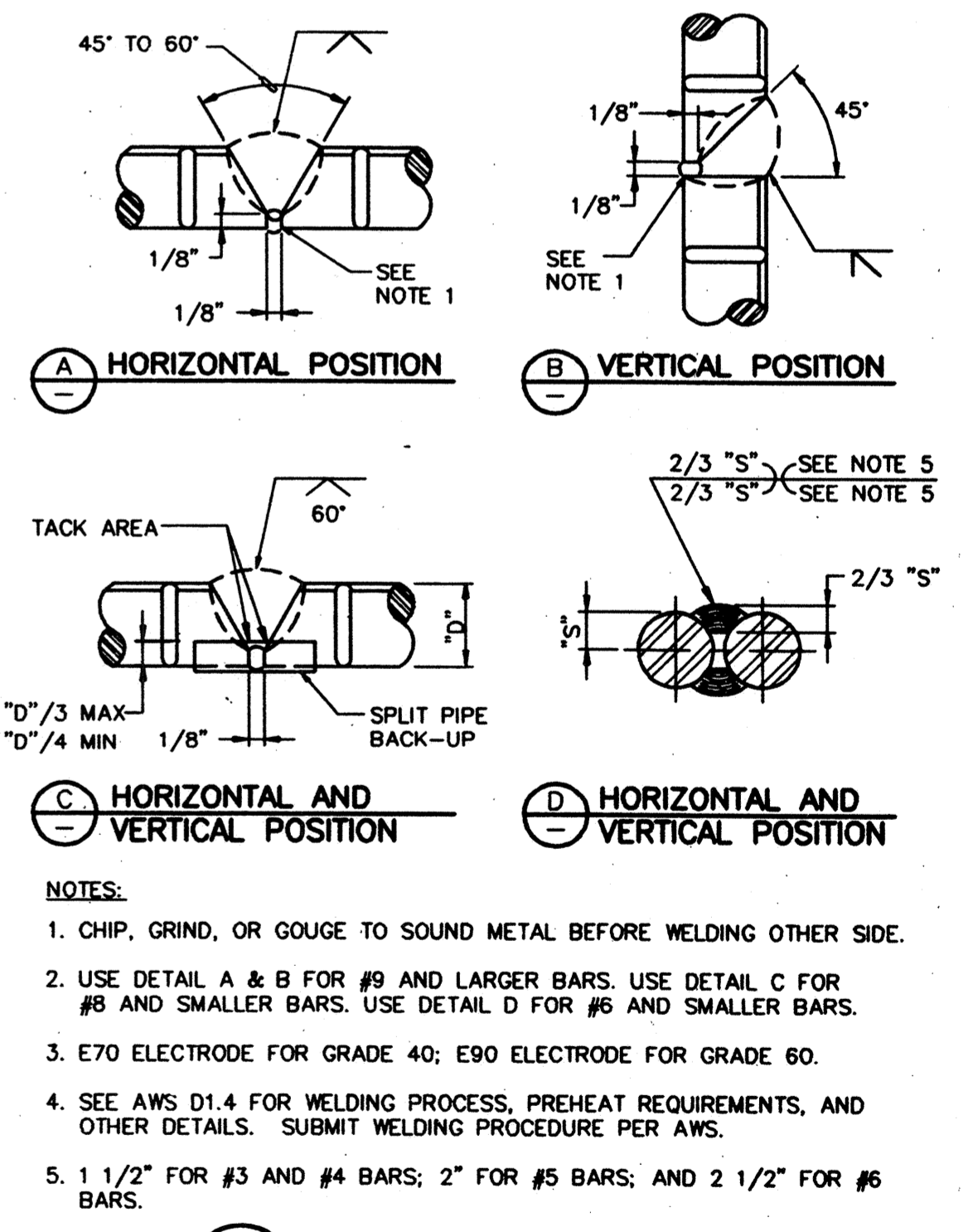


- NOTES:
- AREA OF ADD BARS AT EACH EDGE OF OPENING IN EACH DIRECTION SHALL MATCH 1/2 THE CROSS SECTIONAL AREA OF THE INTERRUPTED BARS.
 - PROVIDE STANDARD ACI HOOKS ON BARS IF STRAIGHT EXTENSION, PAST THE OPENING, CANNOT BE ACHIEVED.
 - PLACE ADD BARS IN SAME PLANES AS INDICATED REINFORCING.
 - PLACE #5 DIAGONAL BARS UNDER INDICATED REINFORCING.
 - * LONGER OF OPENING DIMENSION MEASURED PERPENDICULAR TO ADD BARS OR 48 BAR DIA MIN EXTENSION.

25 ADDITIONAL REINFORCING AT OPENINGS IN CONCRETE SLABS OR WALLS



26 REINFORCEMENT AT CORNERS AND JUNCTIONS



45 WELDED SPICE OF REINFORCING BARS

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: NTS	APPROVED BY: R.P.W.	DATE: 11/1/97	DRAWING NO. T-1
DESIGNED: TFT/BEH	DRAWN: CE		SHEET NO. 34 OF 100
CHECKED: DJ	AS BUILT BY: PG		JOB NO. 3385D.10

REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

DISCIPLINE ENGINEER

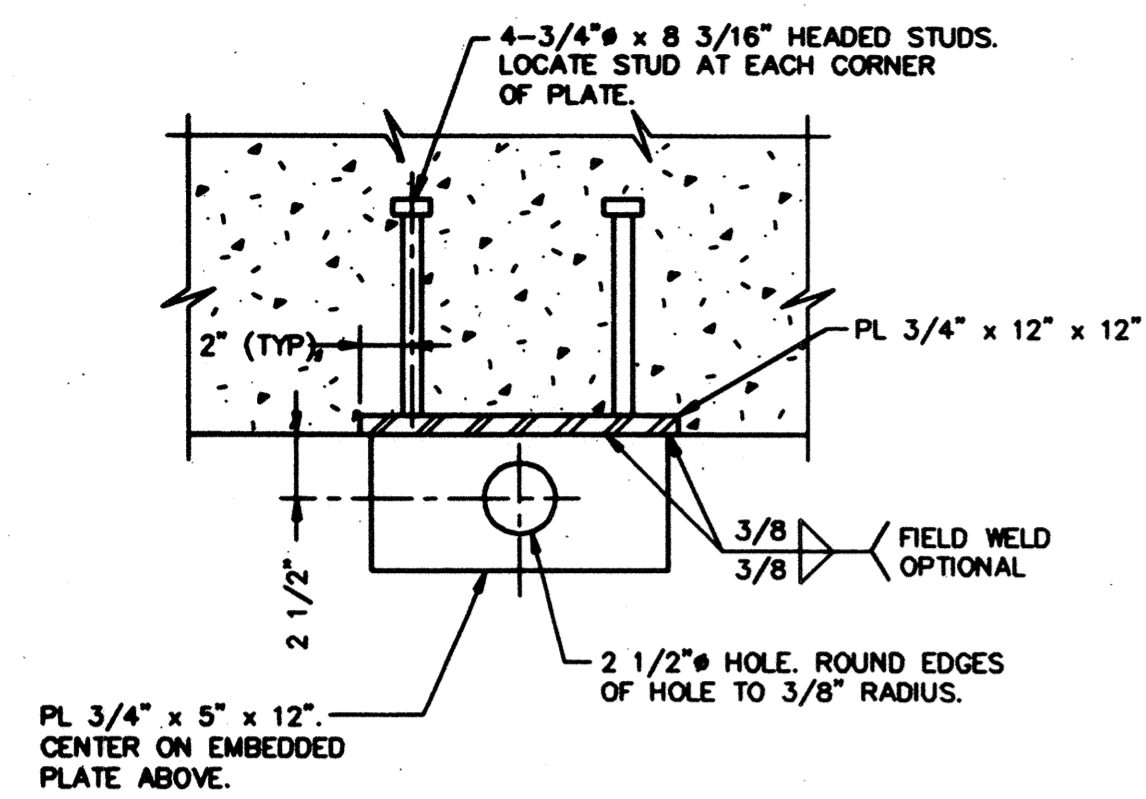
PROJECT ENGINEER

PARTNER

carollo engineers

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4006.33Ca



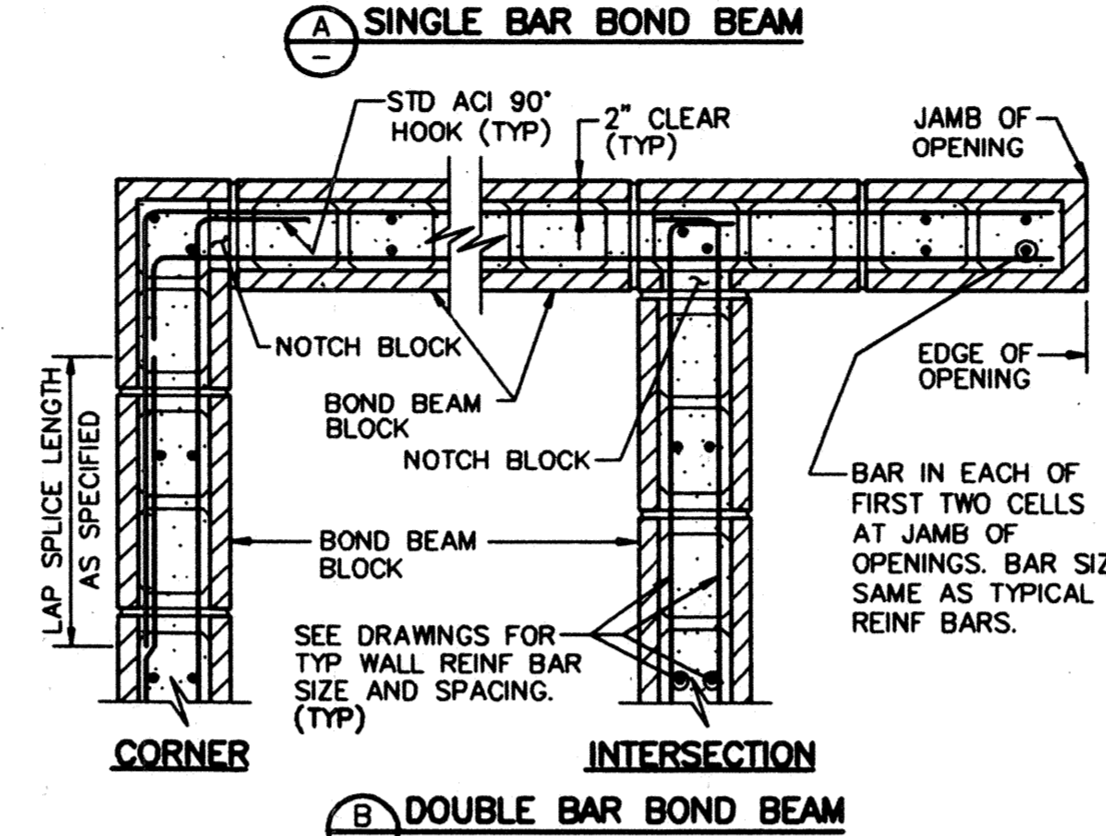
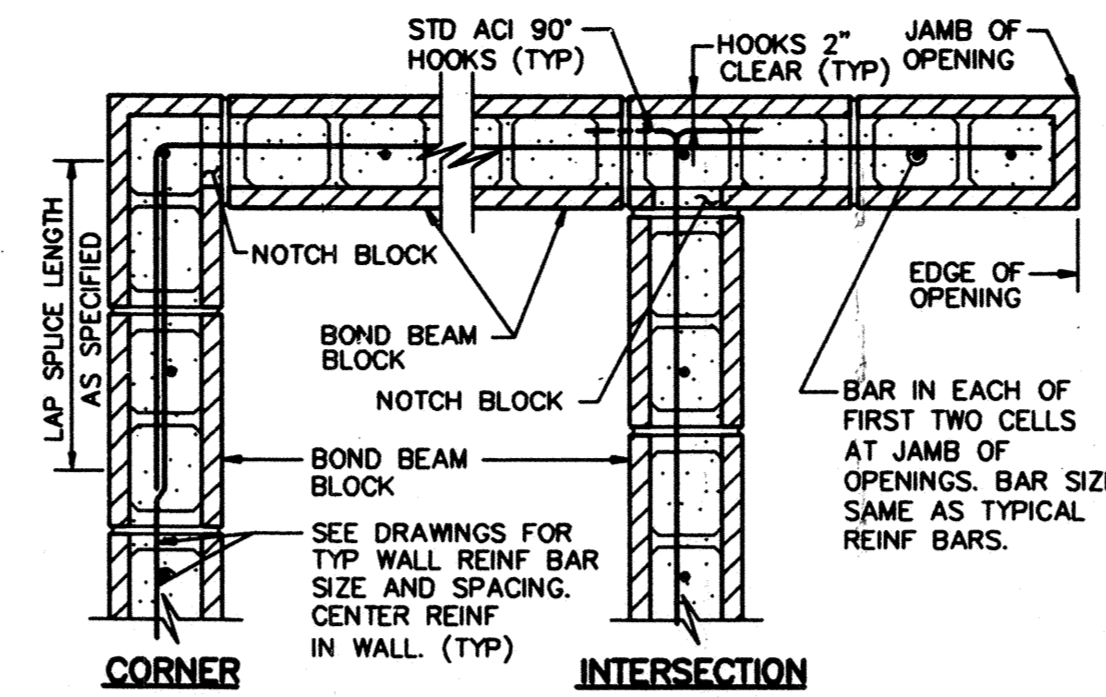
PL 3/4" x 5" x 12" CENTER ON EMBEDDED PLATE ABOVE.

NOTE:
1. VERTICAL LOAD LIMIT EQUALS 4000 POUNDS.

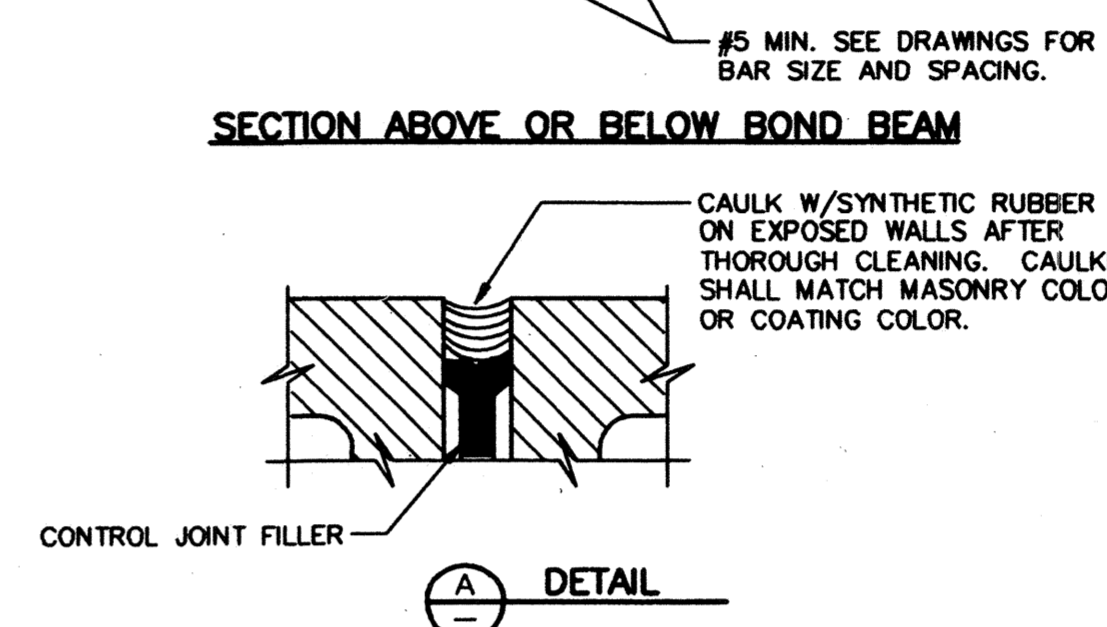
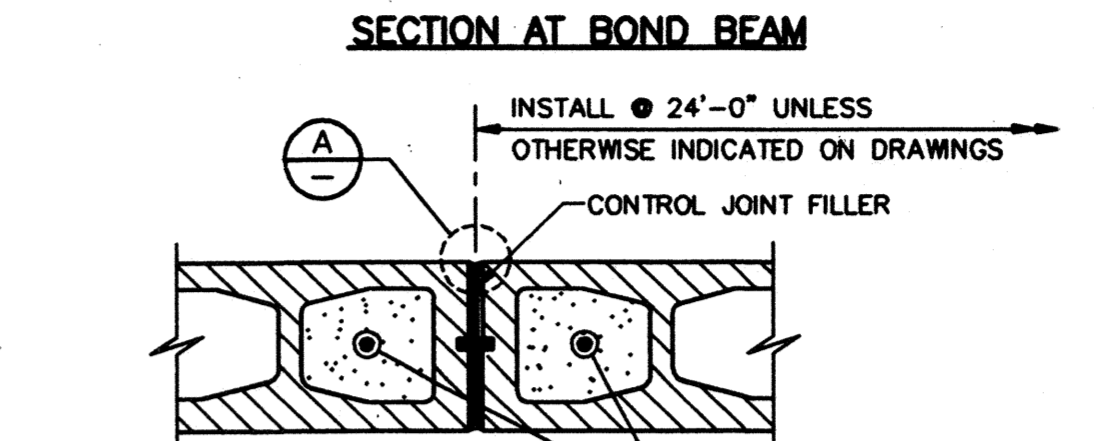
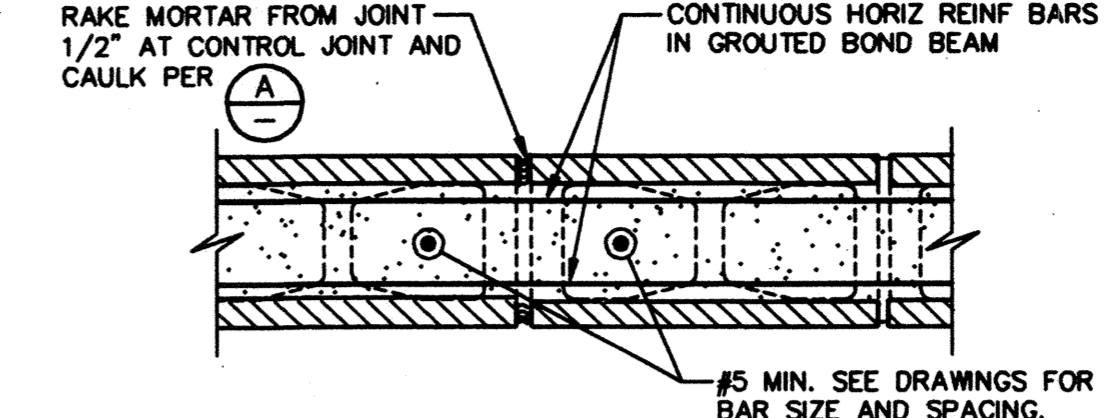
62 LIFTING EYE
TYP

- UNLESS OTHERWISE INDICATED ON THE DRAWINGS, ALL WALLS SHALL BE REINFORCED WITH A MINIMUM OF NUMBER 5 VERTICAL REINFORCING BARS AT 2' - 8" AND NUMBER 5 HORIZONTAL REINFORCING BARS AT 4' - 0". SEE NOTE 2 FOR ADDITIONAL REINFORCING BARS ADJACENT TO WALL OPENINGS.
- A VERTICAL BAR SHALL BE PLACED AT ALL WALL CORNERS AND WALL INTERSECTIONS, AND A VERTICAL BAR SHALL BE PLACED IN EACH OF THE FIRST TWO CELLS AT EACH JAMB OF ALL WALL OPENINGS. THE BAR SIZE SHALL BE NUMBER 5 MINIMUM, BUT NOT SMALLER THAN THE TYPICAL VERTICAL WALL REINFORCING BARS.

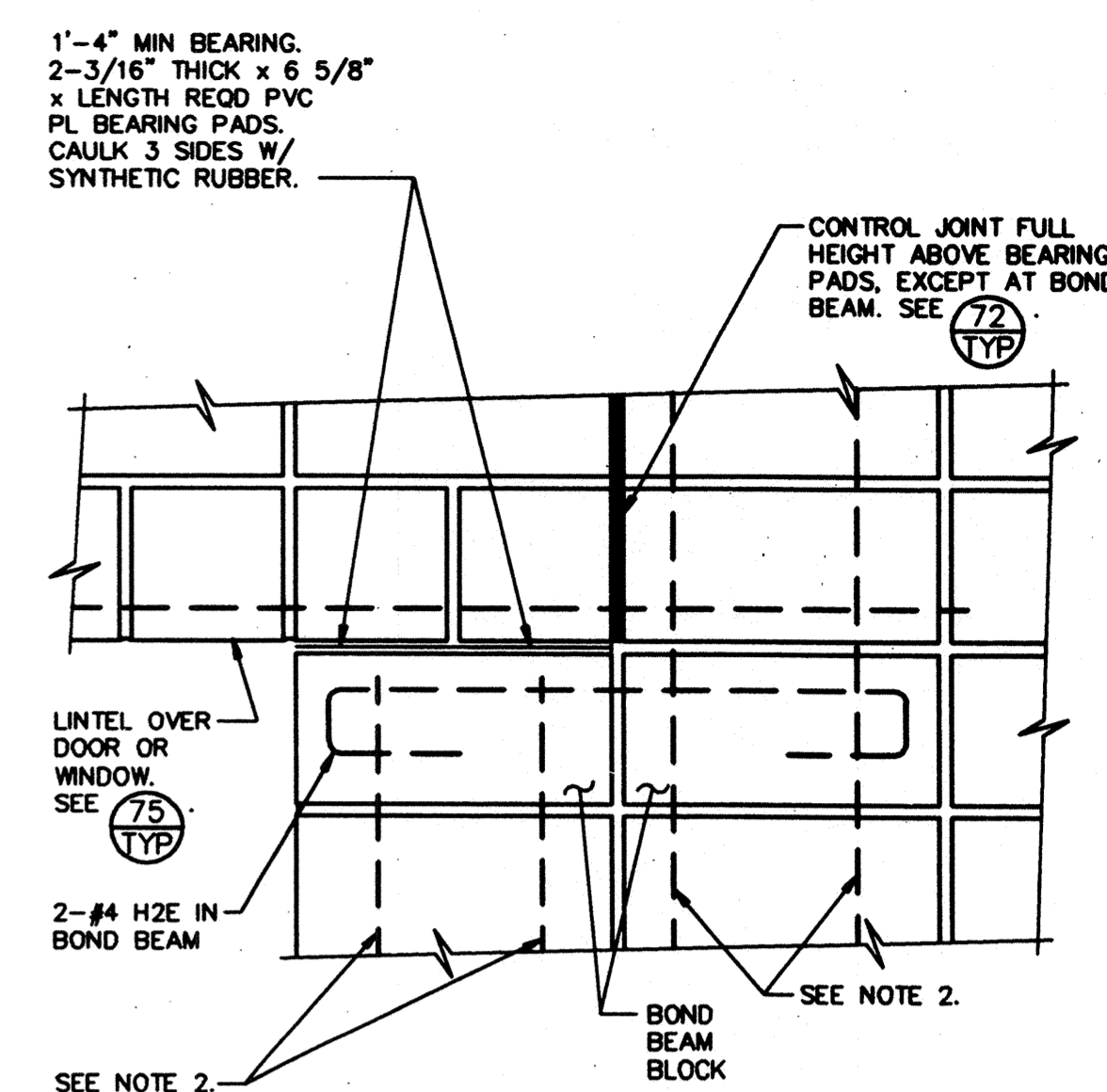
70 MASONRY NOTES
TYP



71 REINFORCING AT MASONRY BOND BEAM
TYP

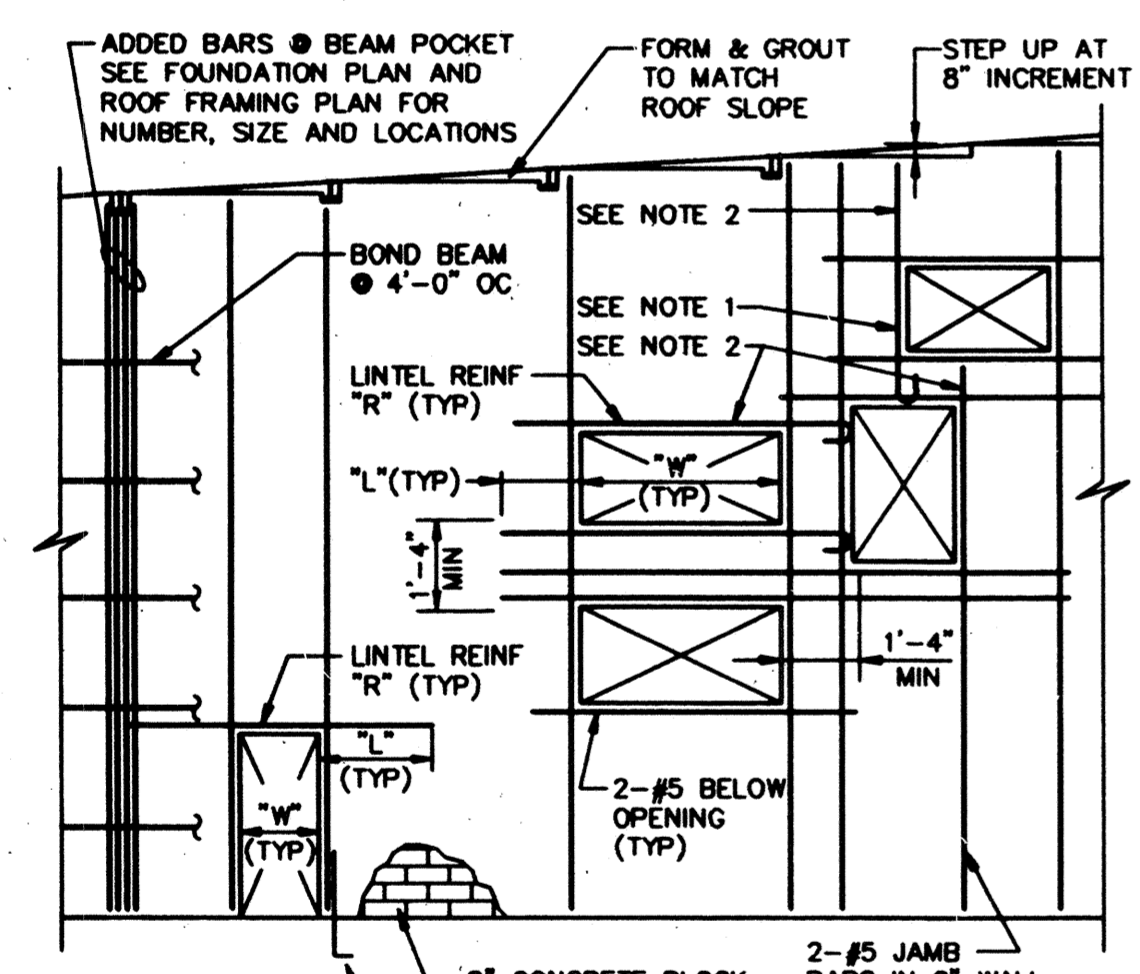


72 MASONRY CONTROL JOINT
TYP



- NOTES:
- ALL BLOCKS BELOW LINTEL BEARING PADS SHALL BE GROUTED SOLID FULL HEIGHT. PROVIDE SMOOTH BEARING SURFACE UNDER PADS.
 - THE BAR SIZE SHALL BE NUMBER 5 MINIMUM, BUT NOT SMALLER THAN THE TYPICAL VERTICAL WALL REINFORCING BARS.

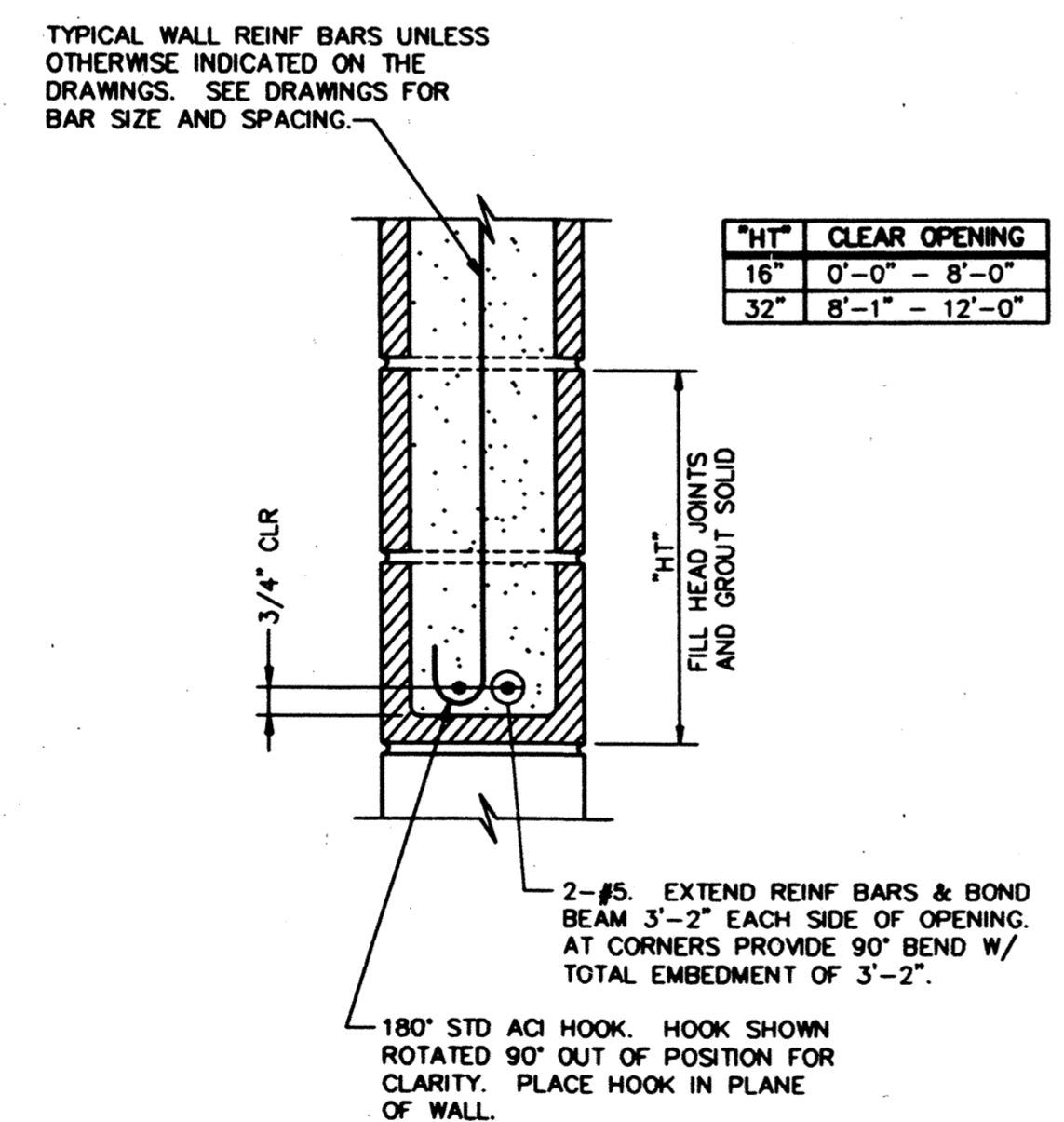
73 CONTROL JOINT AT LINTEL
TYP



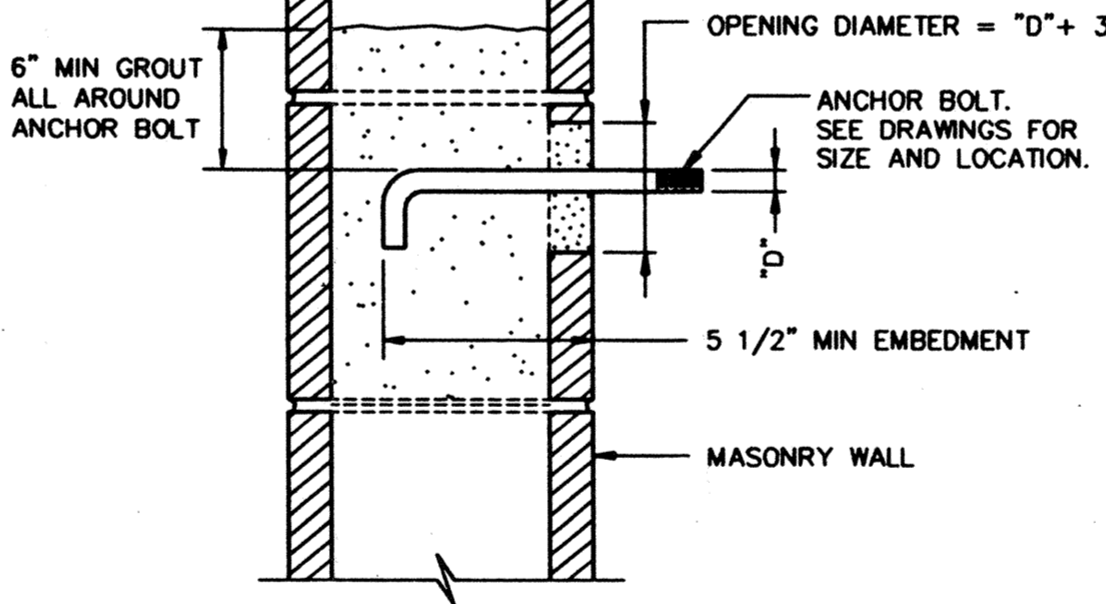
LINTEL REINFORCEMENT SCHEDULE			
"W"	"R"	"L" MIN	"H" MIN
LESS THAN 5'-0"	2-#5	2'-2"	2'-2"
5'-0" TO LESS THAN 7'-0"	2-#6	2'-6"	2'-6"
7'-0" TO 20'-0"	2-#8	3'-4"	3'-4"

- NOTES:
- 180° HOOK TYP • BARS WHERE MIN EMBEDMENT "L" IS NOT POSSIBLE.
 - WHERE JAMB BARS CANNOT BE FULL HEIGHT, EXTEND TO NEAREST BOND BEAM ABOVE OR BELOW OPENING.

74 REINFORCED CONCRETE BLOCK WALL OPENINGS
TYP

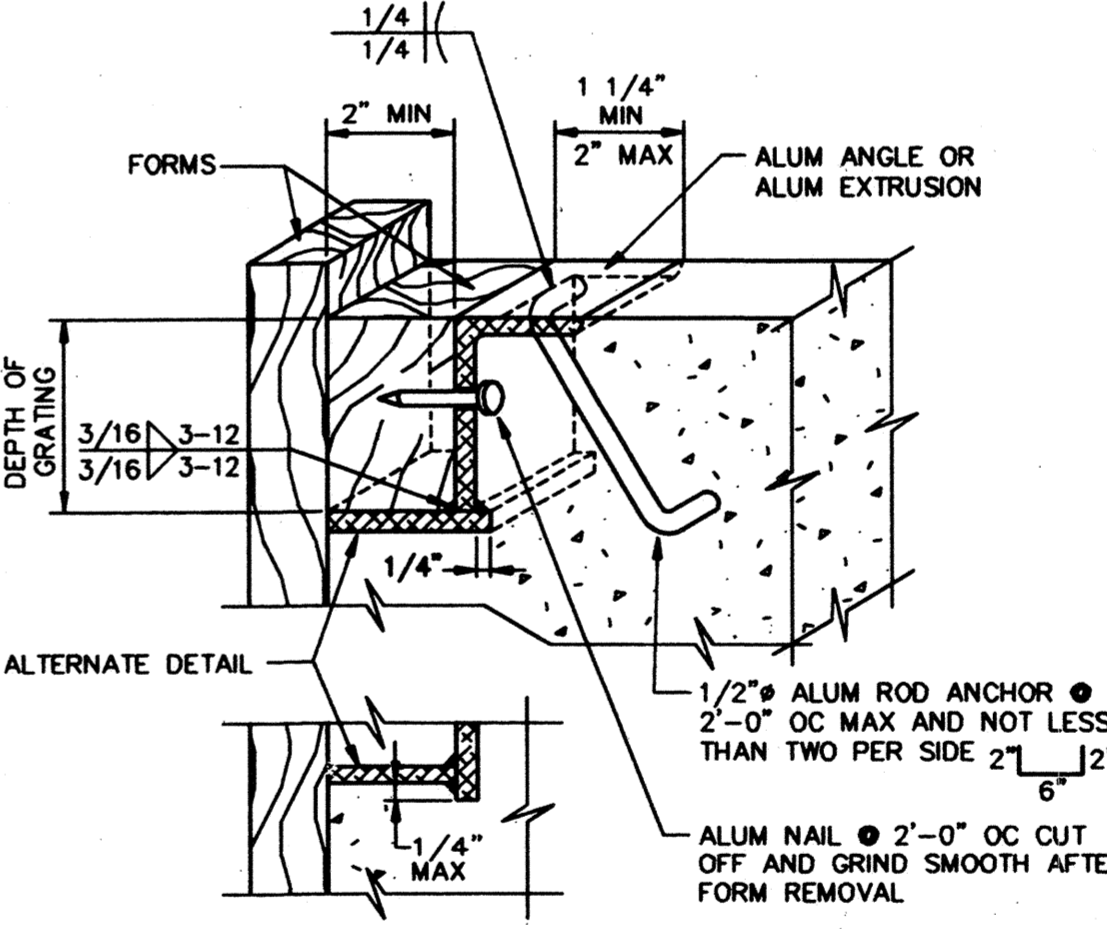


75 LINTEL AT WALL OPENINGS IN MASONRY WALLS
TYP



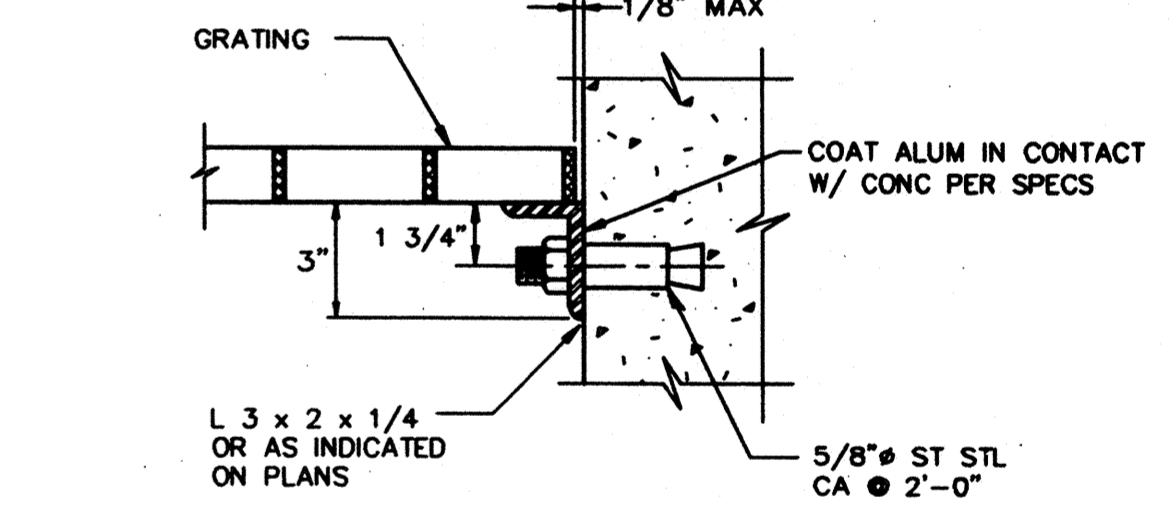
- NOTES:
- SET ANCHOR BOLTS WITH TEMPLATE.
 - CUT BLOCK WEB AS REQUIRED TO ALLOW PLACEMENT OF ANCHOR BOLT WITH 1/2" MINIMUM OF GROUT BETWEEN ANCHOR BOLT AND BLOCK.

76 ANCHOR BOLTS IN MASONRY
TYP



- NOTES:
- FOR GRATING SEE SPECIFICATIONS.
 - REBATE ANGLE TO BE CONTINUOUS AROUND ENTIRE OPENING.
 - ALUM ANGLE AND BEARING PLATE SHALL BE 1/4" MIN THICK.
 - REBATE MAY BE EXTRUDED, SUBJECT TO ENGINEER'S APPROVAL.
 - COAT ALL ALUMINUM IN CONTACT WITH CONCRETE PER SPECIFICATIONS.

120 GRATING REBATE
TYP



- NOTE:
- UNLESS OTHERWISE SHOWN ON THE PLANS, ANGLE SHALL BE ALUMINUM FOR ALUMINUM GRATING, TYPE 304 OR 316 ST STL FOR FRP GRATING.

121 GRATING SEAT
TYP

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: NTS	APPROVED BY: RPL	DATE: 1/16/97	DRAWING NO. T-2
DESIGNED: TFT/BEH	CITY ENGINEER		SHEET NO. 35 OF 100
DRAWN: CE	CITY ENGINEER		JOB NO. 3385D.10
CHECKED: DJ	STOCKTON, CALIF.		
AS BUILT BY: PC			

REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER

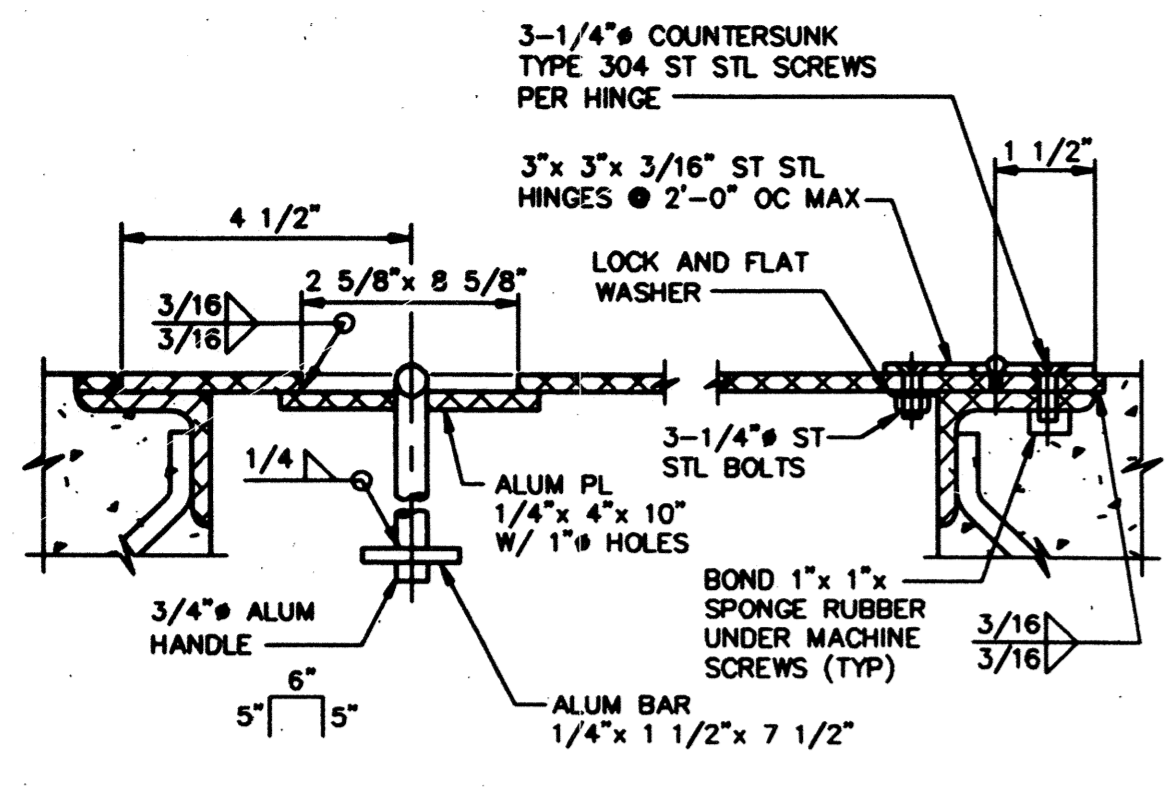
PARTNER

CIVIL

CAROLLO engineers

DWG LAST EDITED BY: EPAT USER LOGIN TIME: JANUARY 9, 1997 7:06 AM
 DWG NAME: 0:\STOCKTON\3385D\01\WSS02\DWG\REPS\BOM\1\WB1.BEH
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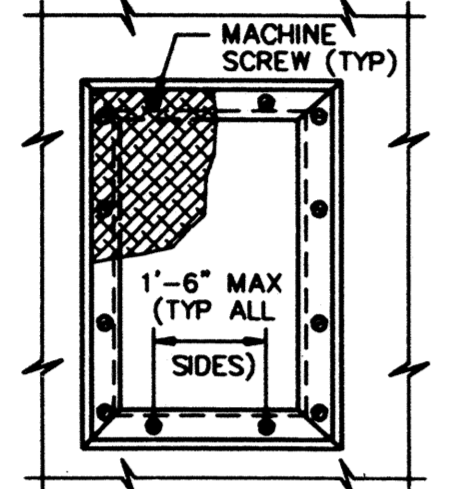


HINGE & HANDLE DETAIL

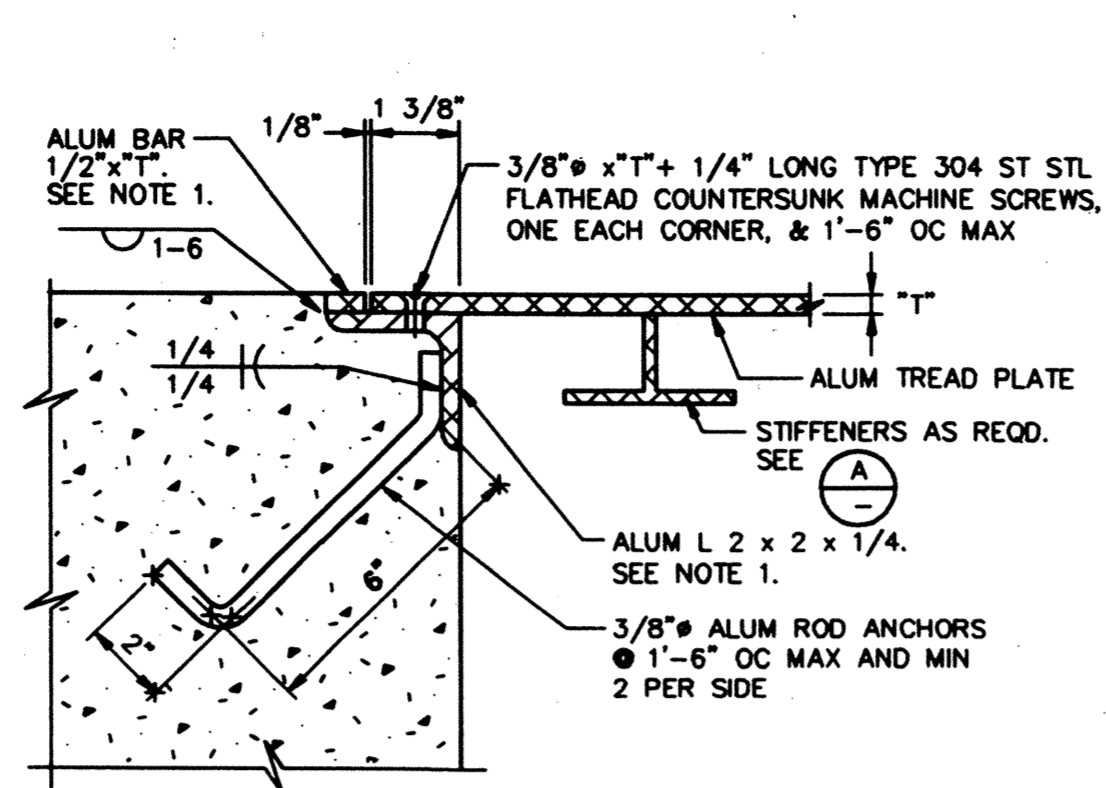
LIVE LOAD (PSF)	THICKNESS OF TREAD PLATE "T" (INCH)			
	SHORTER SPAN "L" (FT-IN)	12'-6"	2'-0" TO 2'-6"	2'-6" TO 4'-0"
100	3/16	1/4	3/8	1/2
150	1/4	3/8	1/2	3/8*
200	1/4	3/8	1/2	3/8*
250	1/4	3/8	1/2	3/8*
300	1/4	3/8	1/2	3/8*
350	3/8	1/2	3/8*	3/8*
400	3/8	1/2	3/8*	3/8*

NOTE:
1. * 3/8" PLATE W/ALUM WT3X2.72 STIFFENERS. SEE SECTION A, B & C.

SCHEDULE FOR TREAD PLATE



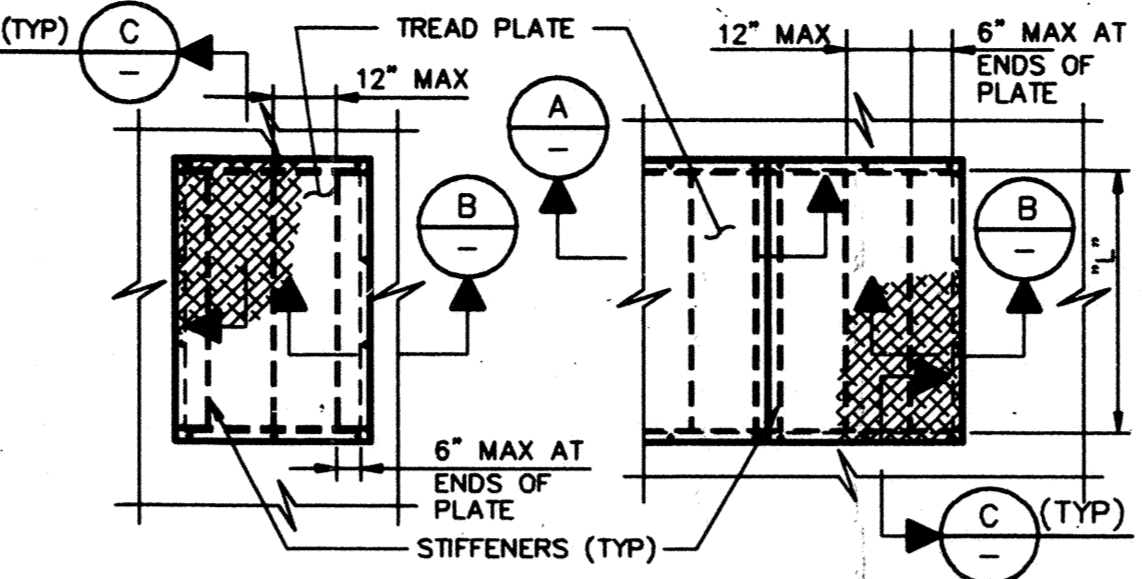
SEAT PLAN



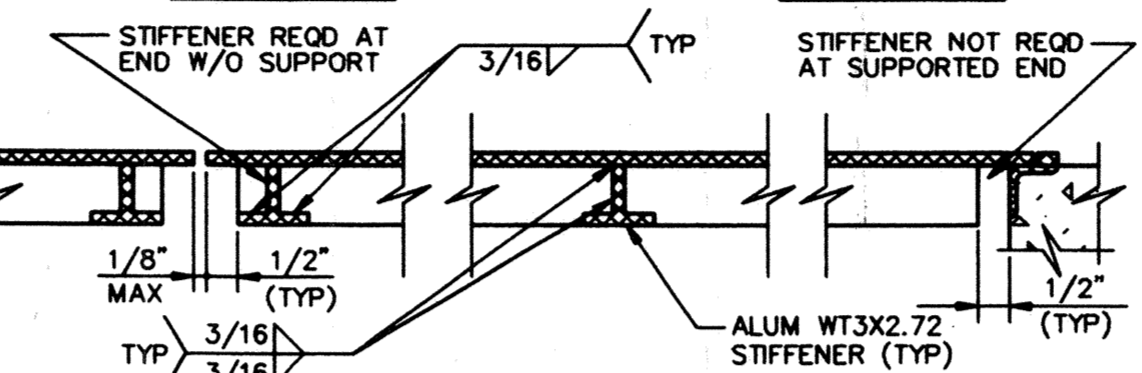
SECTION - REBATE

- NOTES:
- ALUMINUM ANGLE AND BAR MAY BE EXTRUDED.
 - COAT ALUMINUM SURFACE IN CONTACT WITH CONCRETE IN ACCORDANCE WITH THE SPECIFICATIONS.
 - OMIT PERIMETER MACHINE SCREWS WHERE HINGE IS INDICATED ON THE DRAWINGS.
 - HINGE AND HANDLE DETAIL SHALL APPLY WHERE INDICATED ON THE DRAWINGS.
 - TREAD PLATE LIVE LOAD SHALL BE SAME AS FLOOR LIVE LOAD.
 - TREAD PLATE SHALL BE FABRICATED IN UNITS THAT DO NOT WEIGH MORE THAN 75 POUNDS.

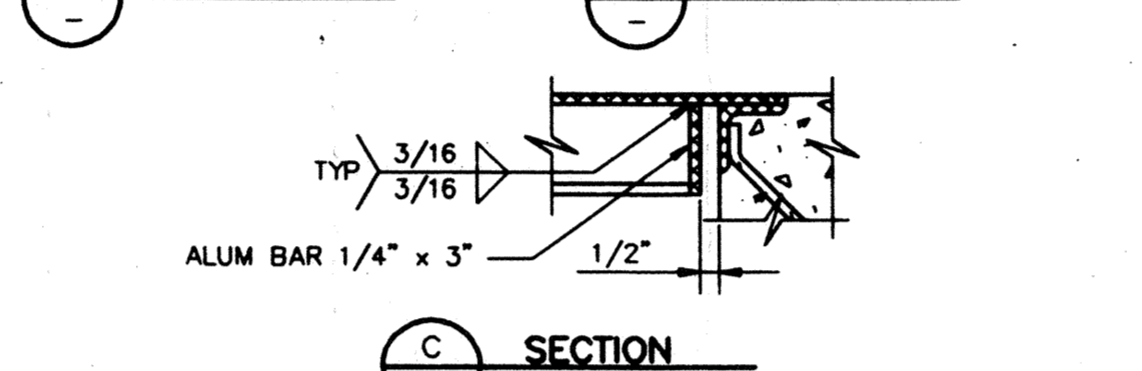
125 ALUMINUM TREAD PLATE



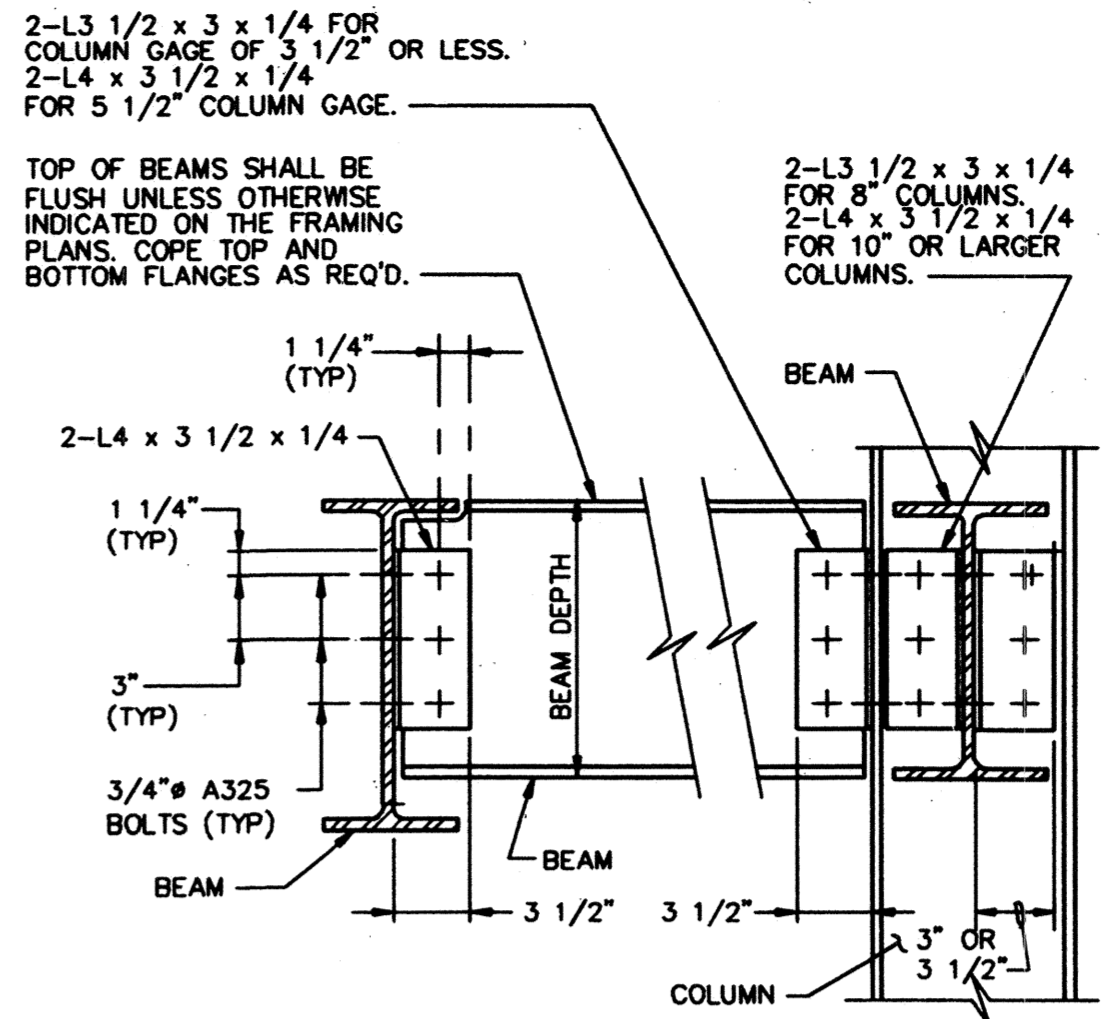
PLAN - PLATE SUPPORTED ON 4 SIDES PLAN - PLATE SUPPORTED ON 2 SIDES



SECTION A SECTION B



SECTION C

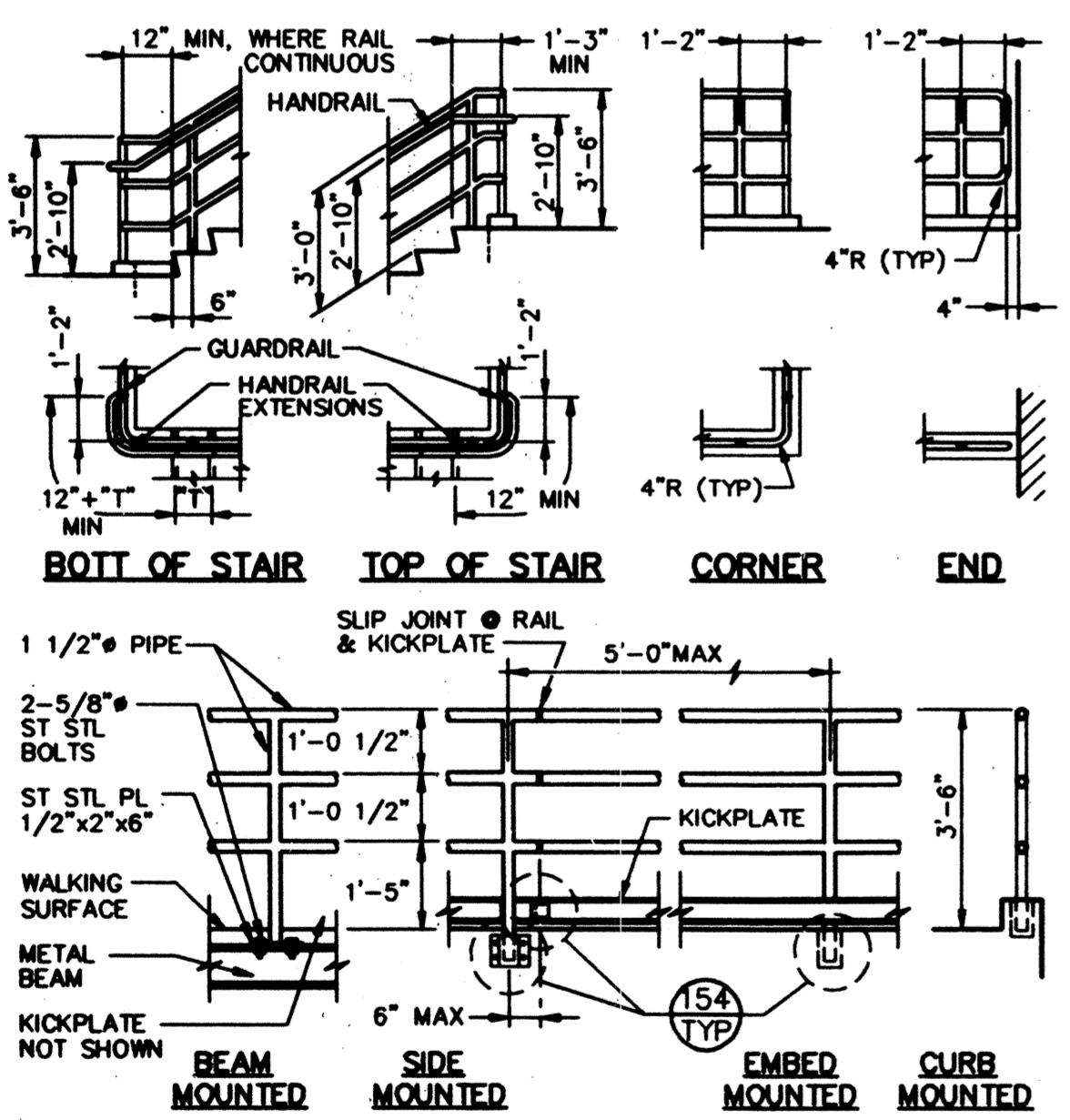


BEAM DEPTH (INCHES)	NUMBER OF BOLTS PER LEG
8 - 10	2
12 - 16	3
18 - 21	4
24 - 30	6

NOTE:
1. SCHEDULE APPLIES TO ALL BEAMS UNLESS NUMBER OF BOLTS PER LEG IS OTHERWISE INDICATED ON THE FRAMING PLAN BY (TYP).

132 DOUBLE ANGLE BOLTED CONNECTION

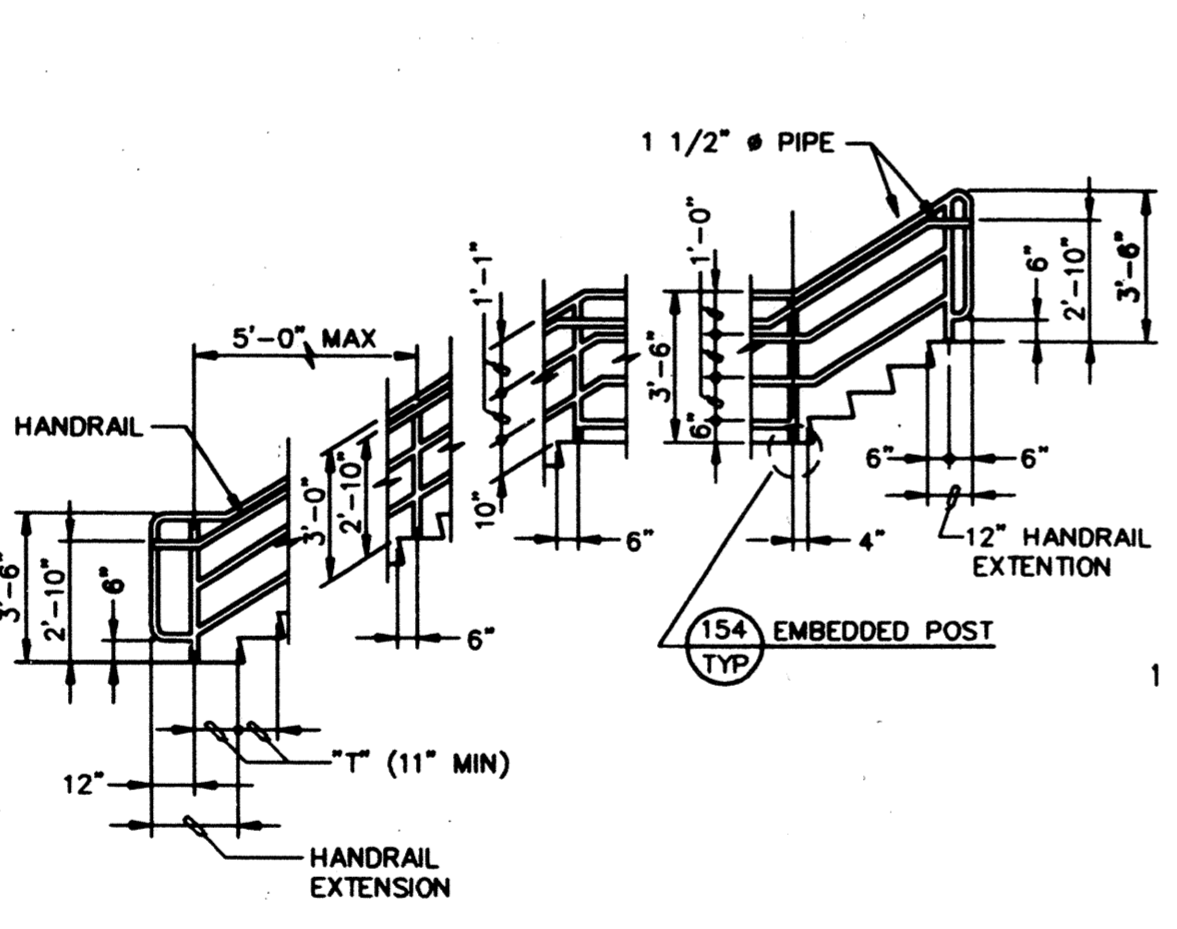
- 153 GUARDRAIL NOTES
- PLACE CENTER OF EMBEDDED POSTS 4" FROM EDGE OF CONCRETE OR 6" FROM EDGE OF CONCRETE STAIR NOSINGS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - PLACE RAIL POSTS OPPOSITE EACH OTHER WHERE HANDRAILS ARE PARALLEL.
 - COAT ALL SURFACES OF ALUMINUM THAT COME IN CONTACT WITH CONCRETE IN ACCORDANCE WITH SPECIFICATIONS. PLACE NEOPRENE GASKET BETWEEN ALUM AND STEEL.
 - PROVIDE SLIP JOINTS AT 24' MAX CENTERS FOR EXPANSION OF RAILS AND KICKPLATE. LOCATE RAIL SLIP JOINTS AT FACE OF POST. GAP AT TIME OF INSTALLATION SHALL BE BASED ON TEMPERATURE OF HANDRAIL (3/8" GAP AT 25F, 0" GAP AT 100F). AT CONCRETE EXPANSION JOINTS, PROVIDE MINIMUM OF 1" GAP IN SLIP JOINTS BUT NOT LESS THAN WIDTH OF CONCRETE EXPANSION JOINT. INSERT SLEEVES SHALL BE LONG ENOUGH TO ALLOW FOR THE FULL RANGE OF MOVEMENT.
 - KICKPLATE MAY BE EXTRUDED OR BENT PLATE AND SHALL BE ATTACHED WITH ST STL BOLTS IN 5/16" X 3/4" SLOTTED HOLES. BOLT KICKPLATE TO POST WITH BOTTOM 1/4" CLEAR FROM SURFACE. FOR SIDE MOUNTED HANDRAIL, PROVIDE STANDARD SPACER BLOCK BETWEEN POST AND KICKPLATE TO MAINTAIN 1/4" MAX CLEAR SPACING. PROVIDE KICKPLATE AT ALL PLACES WHERE DROP FROM ONE LEVEL TO ANOTHER EXCEEDS 4'-0" AND WHERE INDICATED ON THE DRAWINGS. HAND TIGHTEN AND CENTER PUNCH BOLT TO LOCK. SPLICES SHALL ACCOMMODATE TEMPERATURE EXPANSION PER NOTE 4. OMIT KICKPLATE WHERE HANDRAIL IS MOUNTED ON 6" MIN HIGH CURB.
 - ALL GUARDRAILS SHALL BE FIXED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 - HANDRAILS ALONG WALLS SHALL BE SINGLE RAIL WITH TOP OF RAIL AT 2'-10" HEIGHT ABOVE LANDINGS OR TREAD NOSINGS, OR TO MATCH TOP RAIL ON OPPOSITE SIDE WHERE HANDRAIL IS INTEGRAL WITH TOP OF GUARDRAIL.
 - ALL JOINTS FOR STAINLESS STEEL HANDRAIL SHALL BE COPED, WELDED, AND GROUND SMOOTH.
 - FOR RAIL POSTS MOUNTED TO BEAM OR STAIR CHANNEL, PROVIDE MANUFACTURERS REINFORCED CONNECTION FROM POST TO PLATE. PLATE AND REINFORCED INSERTS SHALL BE ALUMINUM OR STAINLESS STEEL.
 - MATERIAL FOR SLIP JOINT PLATE AND KICKPLATE CHANNEL SHALL BE OF THE SAME MATERIAL AS THE GUARDRAIL.
 - SEE DRAWINGS OR SPECIFICATIONS FOR GUARDRAIL MATERIAL TYPE(S).



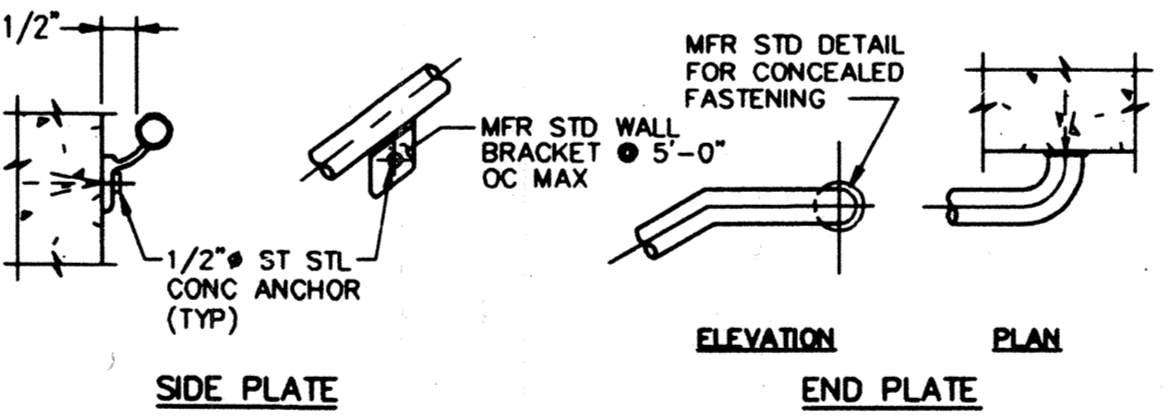
STAIR GUARDRAIL ELEVATION

- NOTES:
- THIS DETAIL IS APPLICABLE AT NON-PUBLIC AREAS WHERE EMPLOYEE ONLY ACCESSIBILITY IS REQUIRED, AND SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, THE UNIFORM BUILDING CODE, AND TITLE 24 (IN CALIFORNIA).
 - SEE SPECIFICATIONS AND TYPICAL DETAIL 153 FOR ADDITIONAL REQUIREMENTS.
 - VARIOUS POST MOUNTING DETAILS ARE ILLUSTRATED. SEE DRAWINGS FOR SPECIFIC MOUNTING REQUIREMENTS.

151 THREE RAIL GUARDRAIL

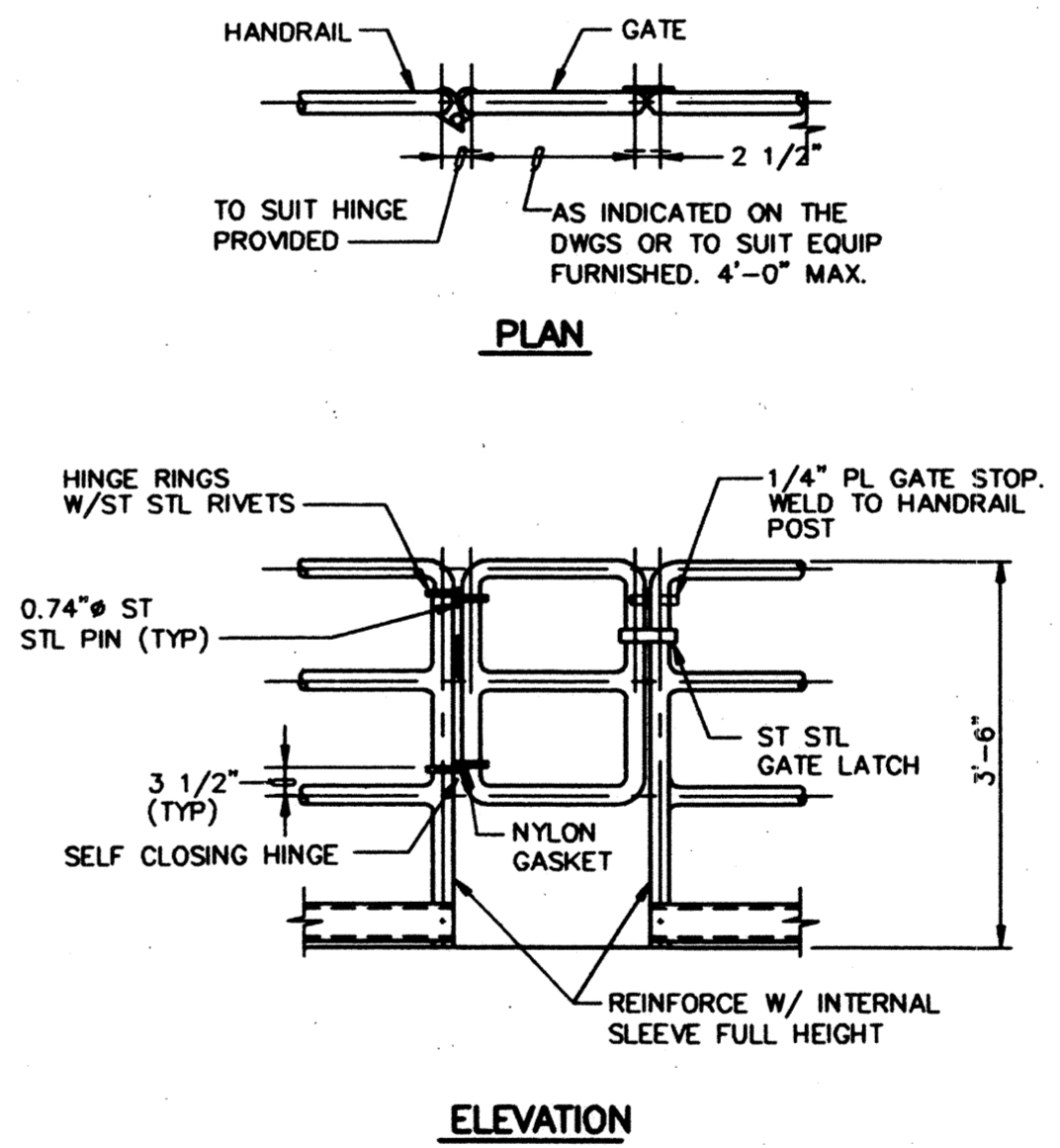


POST BRACKET



SINGLE RAIL BRACKETS

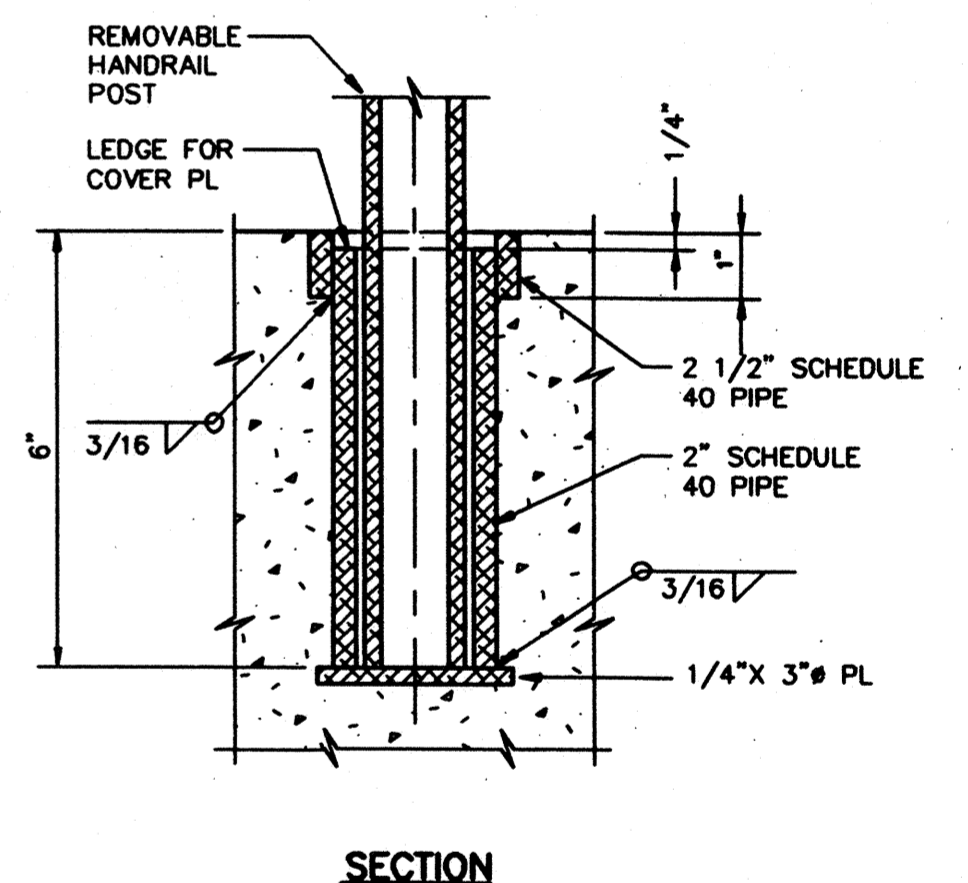
- NOTES:
- SINGLE RAIL HANDRAIL @ WALLS SHALL MATCH PROFILE SHOWN FOR GUARDRAIL MOUNTED HANDRAIL.
 - SEE GUARDRAIL MOUNTED HANDRAILS FOR HANDRAIL EXTENSION REQUIREMENTS.



ELEVATION

- NOTES:
- GATE MATERIAL AND FINISH SHALL MATCH HANDRAIL.
 - GATE SHALL OPEN TOWARD THE WALKWAY.

154 GATE AT HANDRAIL



SECTION

- NOTES:
- COAT METAL SURFACES IN CONTACT WITH CONCRETE AS SPECIFIED.
 - PROVIDE 1/4" TREAD PLATE COVER FOR EACH REMOVABLE HANDRAIL POST ANCHORAGE.
 - SEE DRAWINGS OR SPECIFICATIONS FOR MATERIAL TYPE(S).

155 REMOVABLE HANDRAIL POST ANCHORAGE

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: NTS	APPROVED BY: R.P.W.	DRAWING NO. T-3
DESIGNED: TFT/BEH	DATE: 11/6/97	SHEET NO. 36 OF 100
DRAWN: JC	CITY ENGINEER	JOB NO. 3385D.10
CHECKED: DJ	STOCKTON, CALIF.	
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER

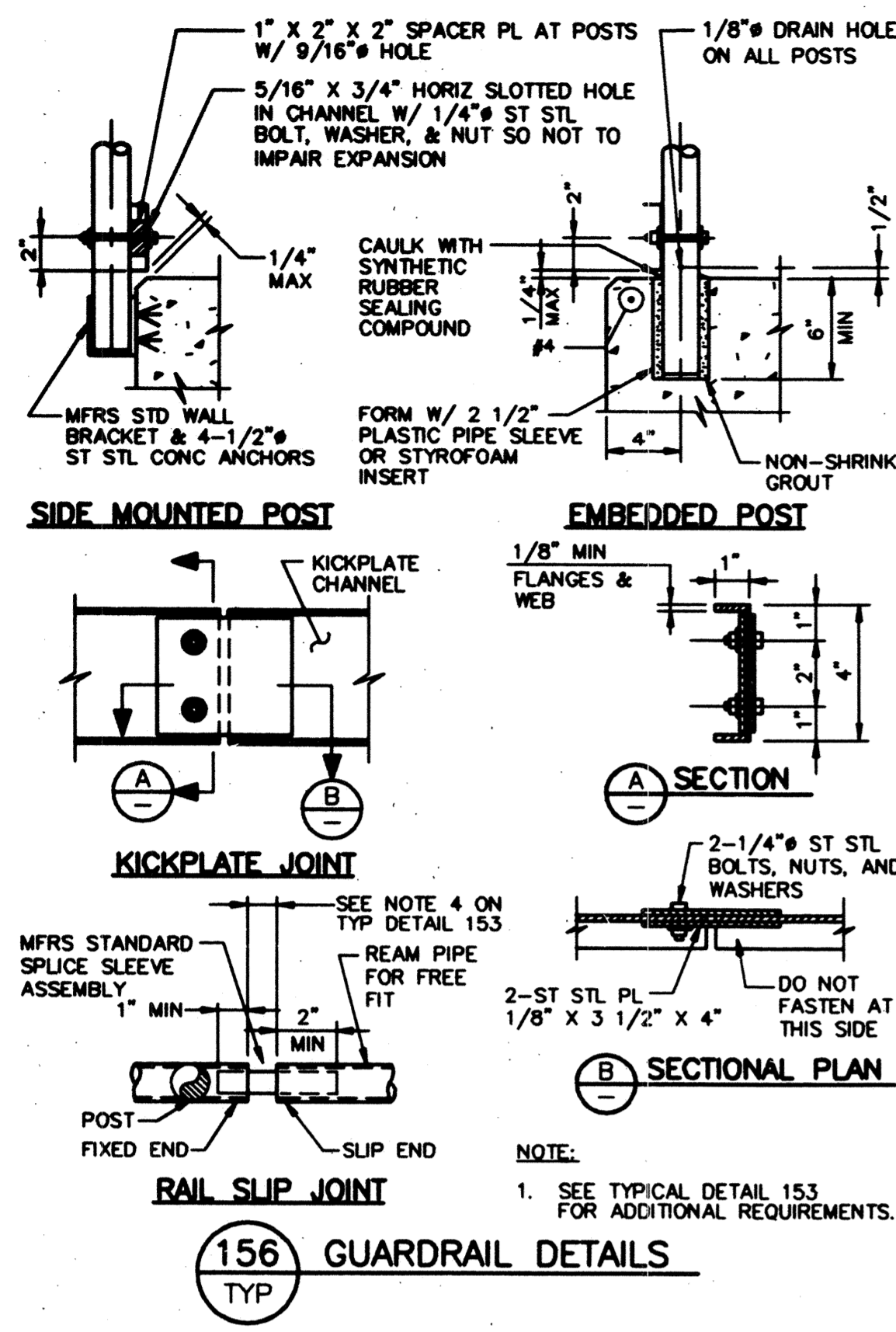
PARTNER

CIVIL

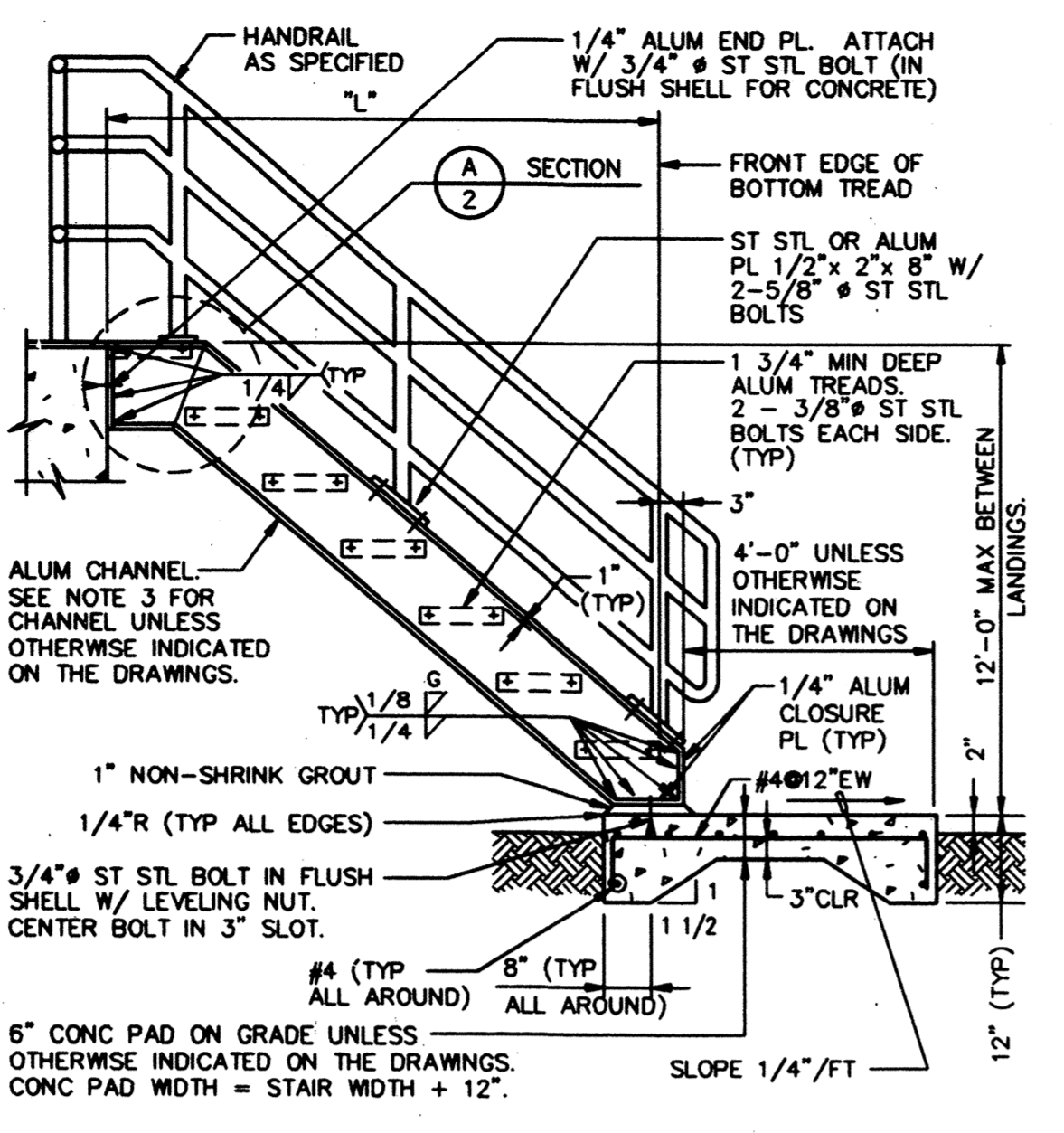
CAROLLO engineers

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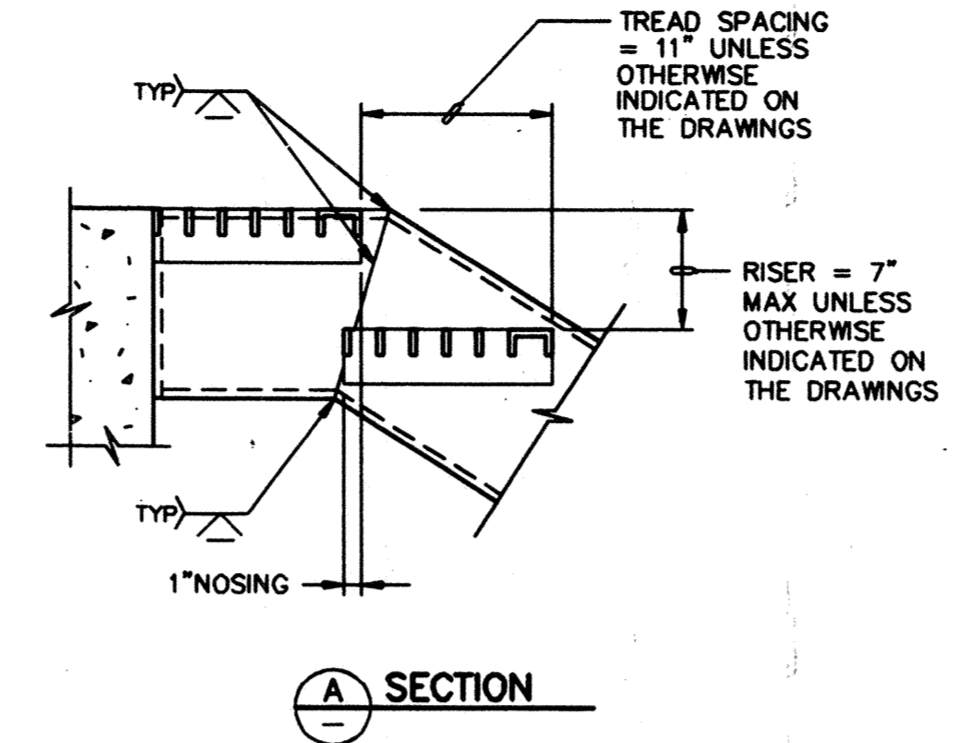
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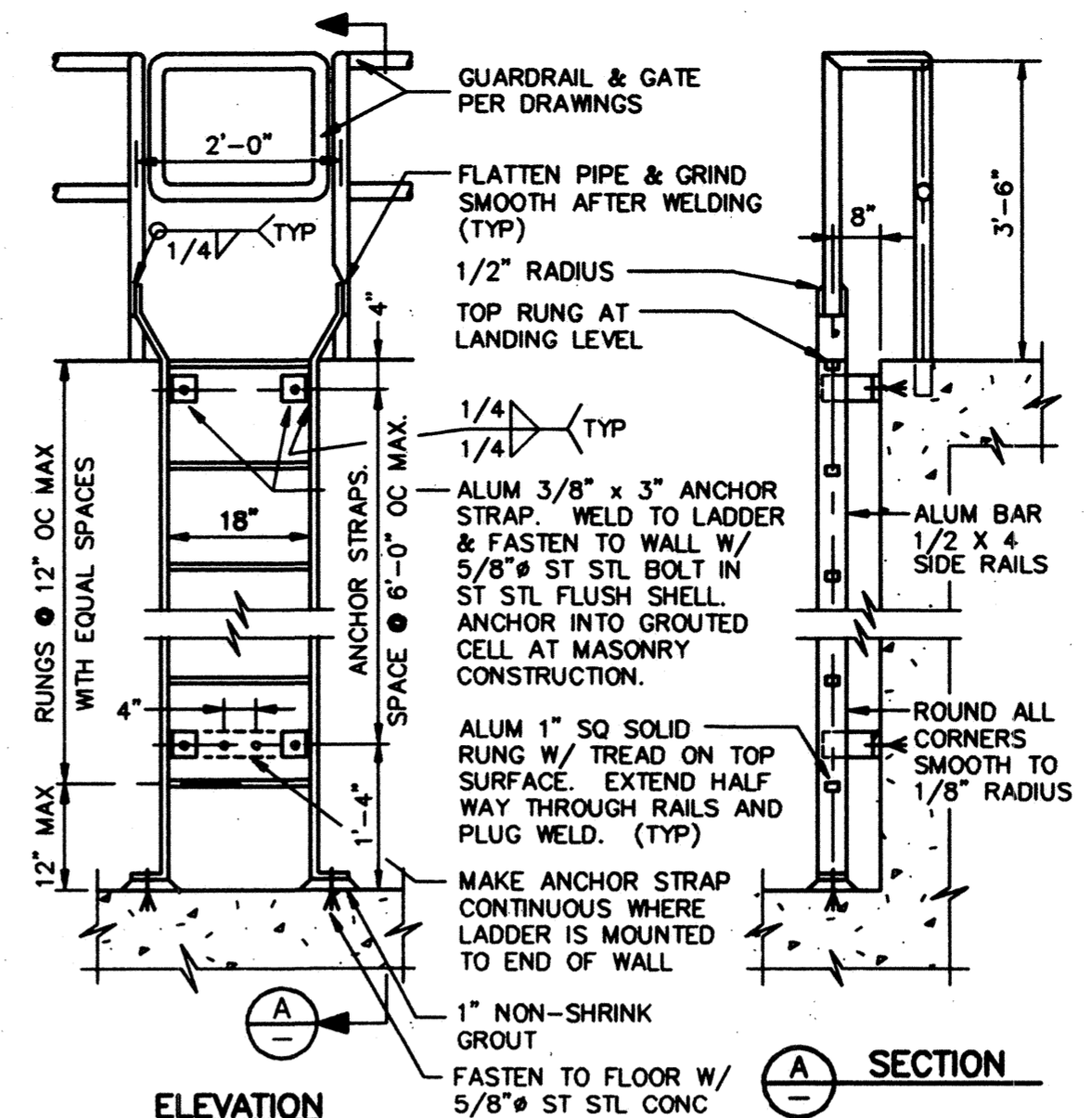
156 GUARDRAIL DETAILS
TYP



157 ALUMINUM STAIRWAY W/TOP TREAD
TYP

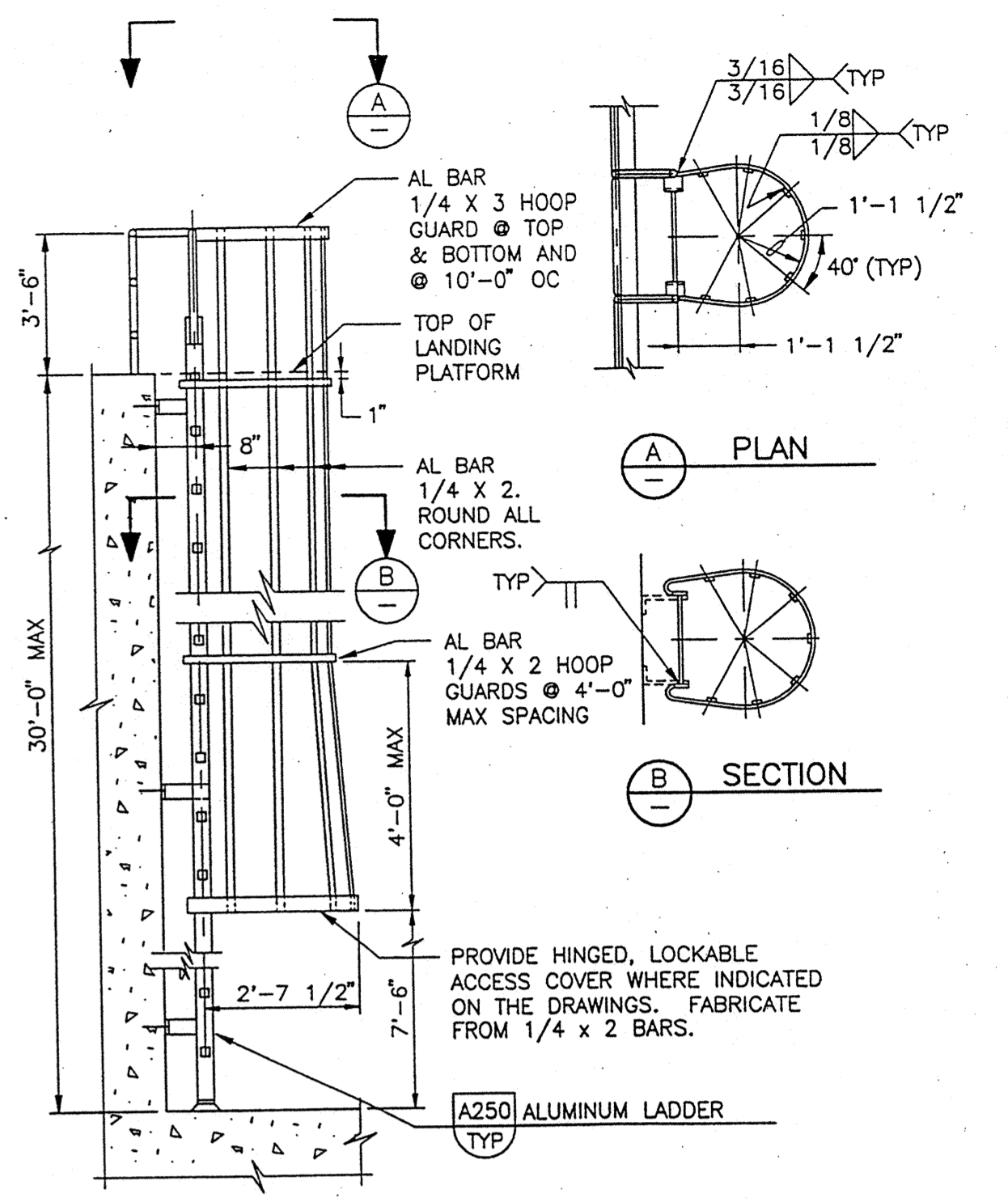


- NOTES:**
1. COAT ALL ALUM SURFACES IN CONTACT WITH CONC PER SPECIFICATIONS.
 2. SEE DRAWINGS FOR DIMENSIONS "L", "H", AND STAIR WIDTH. STAIR WIDTH = 3'-0" CLR BETWEEN CHANNELS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 3. ALUM C10x6.136 FOR "L" LESS THAN OR EQUAL TO 14'-0". ALUM C12x8.274 FOR "L" GREATER THAN 14'-0" AND LESS THAN OR EQUAL TO 18'-0".
 4. TREAD WIDTH = TREAD SPACING + 1" (TYP ALL TREADS).



169 ALUMINUM LADDER FASTENED TO WALL
TYP

- NOTES:**
1. INSTALL FALL PREVENTION SYSTEM, OR SAFETY CAGE, WHERE HEIGHT OF LADDER EXCEEDS 20'-0". SEE TYPICAL DETAIL 170.
 2. MINIMUM CLEARANCE TO ANY OBSTRUCTION ADJACENT TO LADDER: 2'-6" AT CLIMBING SIDE (2'-3" AT SMOOTH WALL) AND 1'-3" EACH SIDE OF CENTER LINE, AT SIDES OF LADDER.
 3. COAT ALL ALUM SURFACES IN CONTACT WITH CONCRETE OR MASONRY, IN ACCORDANCE WITH THE SPECIFICATIONS.
 4. WHERE GUARDRAIL IS STAINLESS STEEL BOLT PIPE TO RAIL W/ 2-1/2" STAINLESS STEEL BOLTS.



170 ALUMINUM CAGED LADDER FASTENED TO WALL
TYP

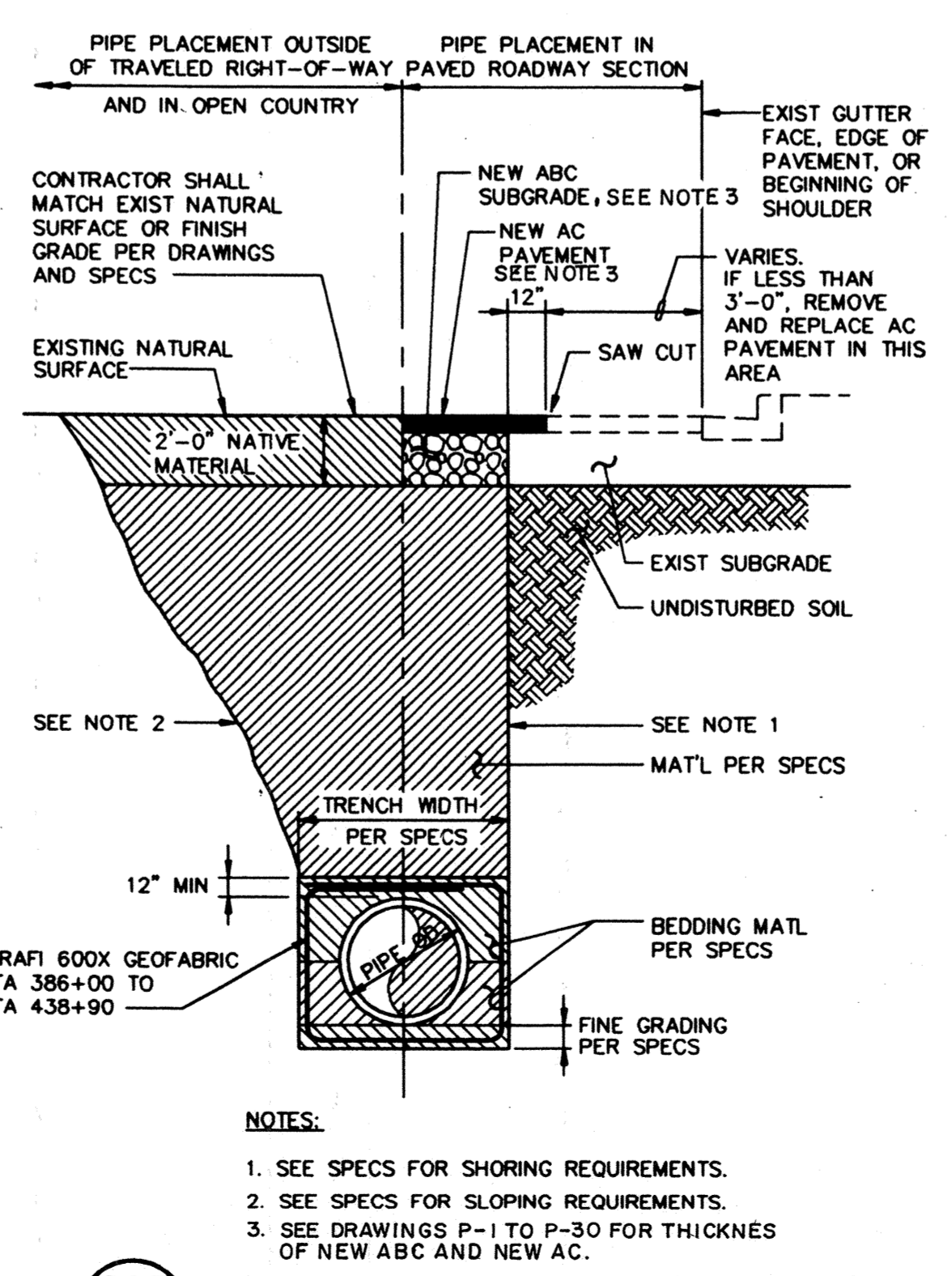
- NOTES:**
1. PROVIDE HINGED, LOCKABLE ACCESS COVER WHERE INDICATED ON THE DRAWINGS. FABRICATE FROM 1/4" x 2 BARS.

CONNECTION	MINIMUM NAILING UNLESS OTHERWISE INDICATED ON THE DRAWINGS
TOENAIL JOIST TO SILL OR GIRDER	3-8d
TOENAIL EACH END BRIDGING TO JOIST	2-8d
FACE NAIL 1x6 SUBFLOOR OR LESS TO EACH JOIST	2-8d
FACE NAIL SUBFLOOR WIDER THAN 1x6 TO EACH JOIST	3-8d
BLIND AND FACE NAIL 2" SUBFLOOR TO JOIST OR GIRDER	2-16d
FACE NAIL SOLE PLATE TO JOIST OR GIRDER	16d AT 16" OC
END NAIL TOP PLATE TO STUD	2-16d
STUD TO SOLE PLATE	4-8d TOENAIL OR 2-16d END NAIL
FACE NAIL DOUBLED STUDS	16d AT 24" OC
FACE NAIL DOUBLED TOP PLATES	16d AT 16" OC
FACE NAIL TOP PLATES, LAPS AND INTERSECTIONS	2-16d
CONTINUOUS HEADER, TWO PIECES	16d AT 16" OC
ALONG EACH EDGE	3-8d
TOENAIL CEILING JOISTS TO PLATE	4-8d
TOENAIL CONTINUOUS HEADER TO STUD	3-16d
FACE NAIL CEILING JOISTS, LAPS OVER PARTITIONS	3-16d
FACE NAIL CEILING JOISTS TO PARALLEL RAFTERS	3-8d
TOENAIL RAFTER TO PLATE	2-8d
FACE NAIL 1" BRACE TO EACH STUD AND PLATE	2-8d
FACE NAIL 1x8 SHEATHING OR LESS TO EACH BEARING	3-8d
FACE NAIL SHEATHING WIDER THAN 1x8 TO EACH BEARING	16d AT 24" OC
BUILT-UP CORNER STUDS	20d AT 32" OC AT TOP AND BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE
BUILT-UP GIRDERS AND BEAMS	2-16d AT EACH BEARING
2" PLANKS	
PARTICLE BOARD (SEE NOTE 3):	
WALL SHEATHING TO FRAMING:	
3/8"-1/2"	6d
5/8"-3/4"	8d

181 NAILING SCHEDULE
TYP

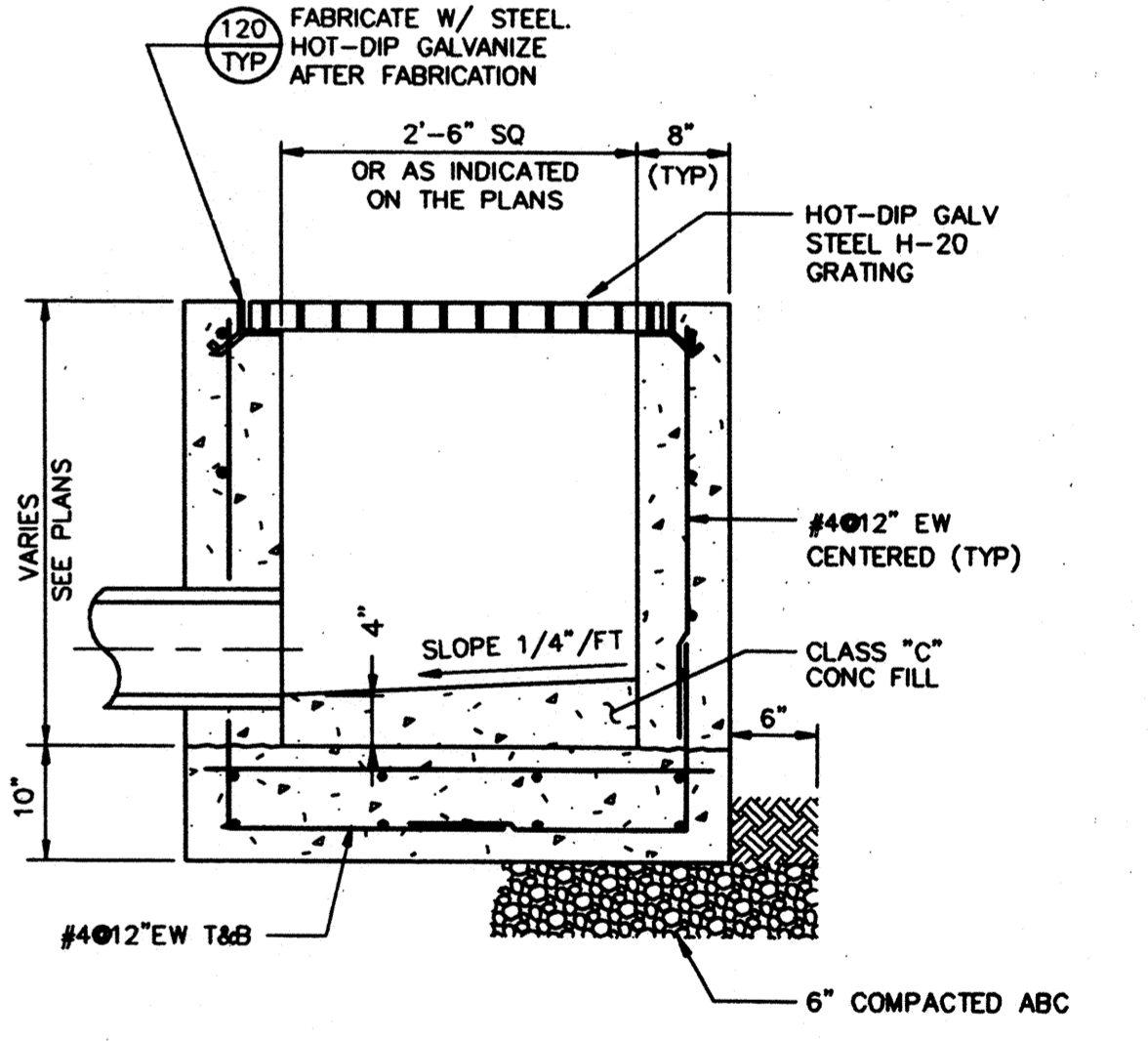
CONNECTION	MINIMUM NAILING UNLESS OTHERWISE INDICATED ON THE DRAWINGS
PLYWOOD (SEE NOTE 3):	
SUBFLOOR, ROOF, AND WALL SHEATHING TO FRAMING:	
1/2" AND LESS	6d (SEE NOTE 1)
5/8" - 3/4"	6d (SEE NOTE 2) OR 8d
7/8" - 1"	8d (SEE NOTE 1)
1 1/8" - 1 1/4"	8d (SEE NOTE 2) OR 10d
PANEL SIDING TO FRAMING:	
1/2" OR LESS	6d
5/8"	8d

- NOTES:**
1. COMMON OR DEFORMED SHANK.
 2. DEFORMED SHANK.
 3. NAILS SPACED AT 6 INCHES ON CENTER AT EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS (10 INCHES AT INTERMEDIATE SUPPORTS FOR FLOORS), EXCEPT 6 INCHES AT ALL SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. NAILS FOR WALL SHEATHING MAY BE COMMON OR CASING.
 4. CORROSION RESISTANT SIDING AND CASING NAILS.



205 PIPE INSTALLATION AND PAVEMENT REPLACEMENT
TYP

- NOTES:**
1. SEE SPECS FOR SHORING REQUIREMENTS.
 2. SEE SPECS FOR SLOPING REQUIREMENTS.
 3. SEE DRAWINGS P-1 TO P-30 FOR THICKNESS OF NEW ABC AND NEW AC.
 4. WHERE MIRAFI 600X GEOFABRIC IS INSTALLED FROM STATION 386+00 TO STATION 438+90, OVER EXCAVATE 2 FEET AND REPLACE WITH COMPACTED MATERIAL AS SPECIFIED IN SECTION 020342 FINE GRADING.



212 CATCH BASIN
TYP

REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING

PROJECT ENGINEER:

PARTNER:

CAROLLO engineers

RECORD DRAWING

THREE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

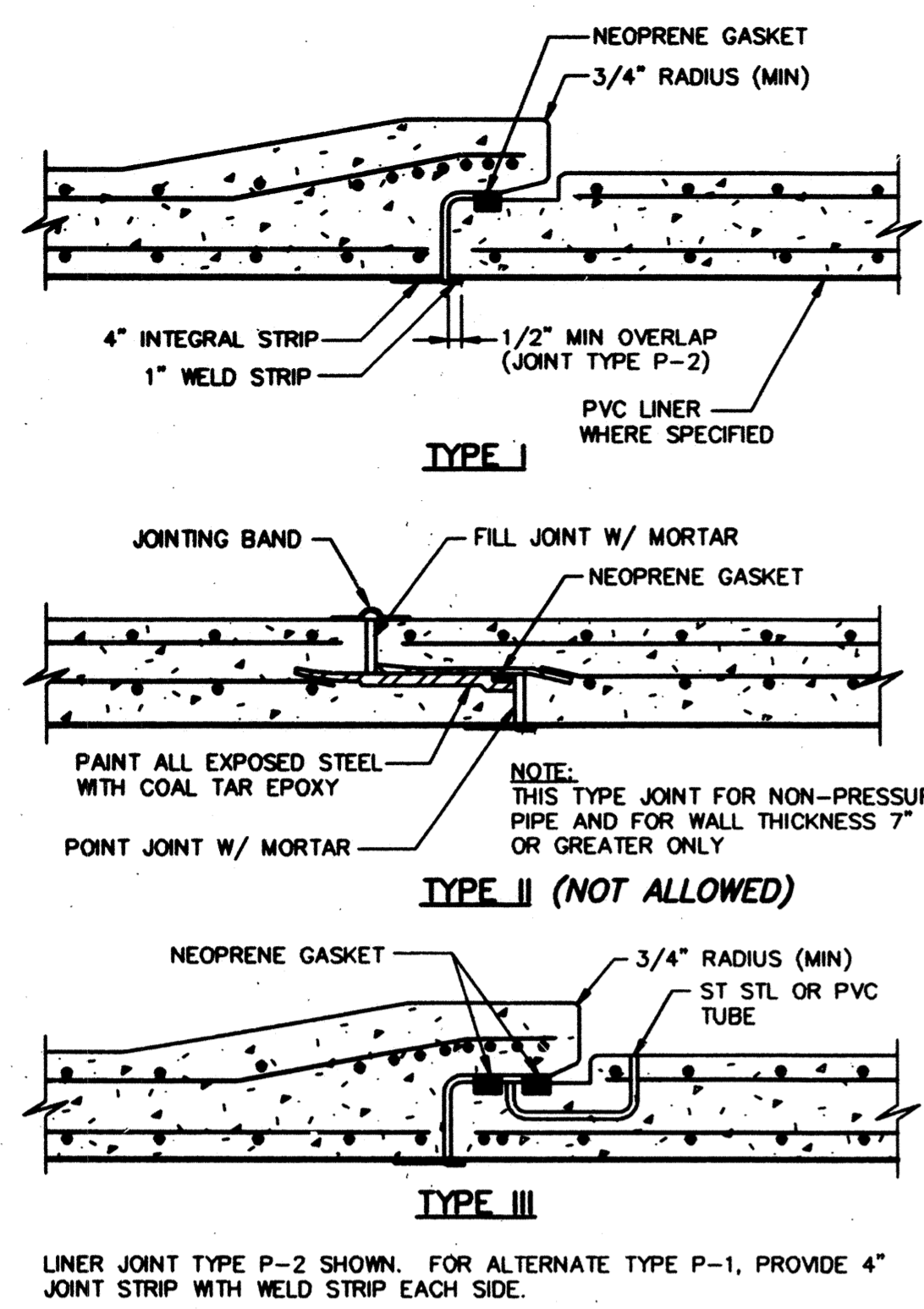
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

TYPICAL DETAILS

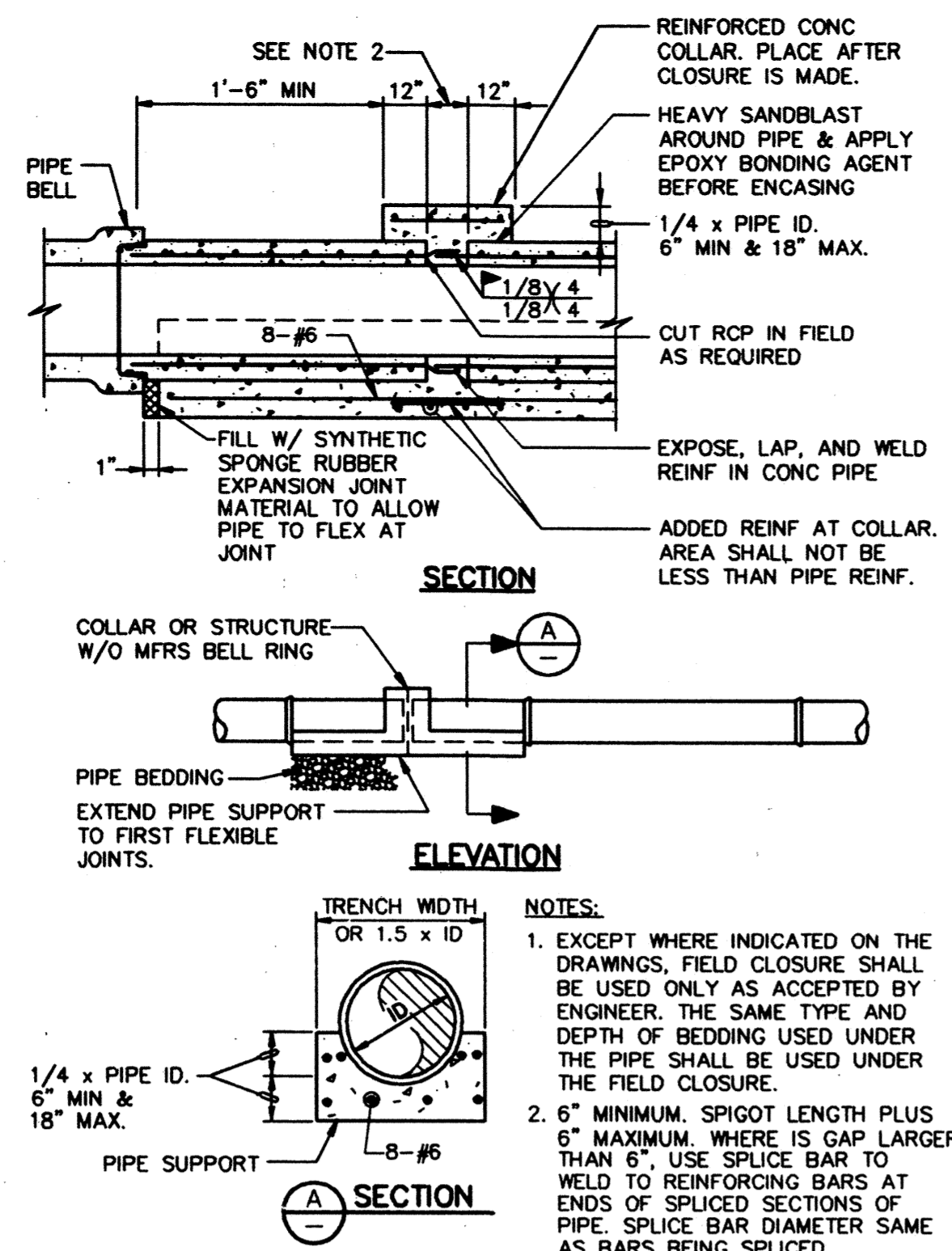
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

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DESIGNED: TFT/BEH	DRAWN: CE		SHEET NO. 37 OF 100
CHECKED: DJ	AS BUILT BY: PG		JOB NO. 33850.10

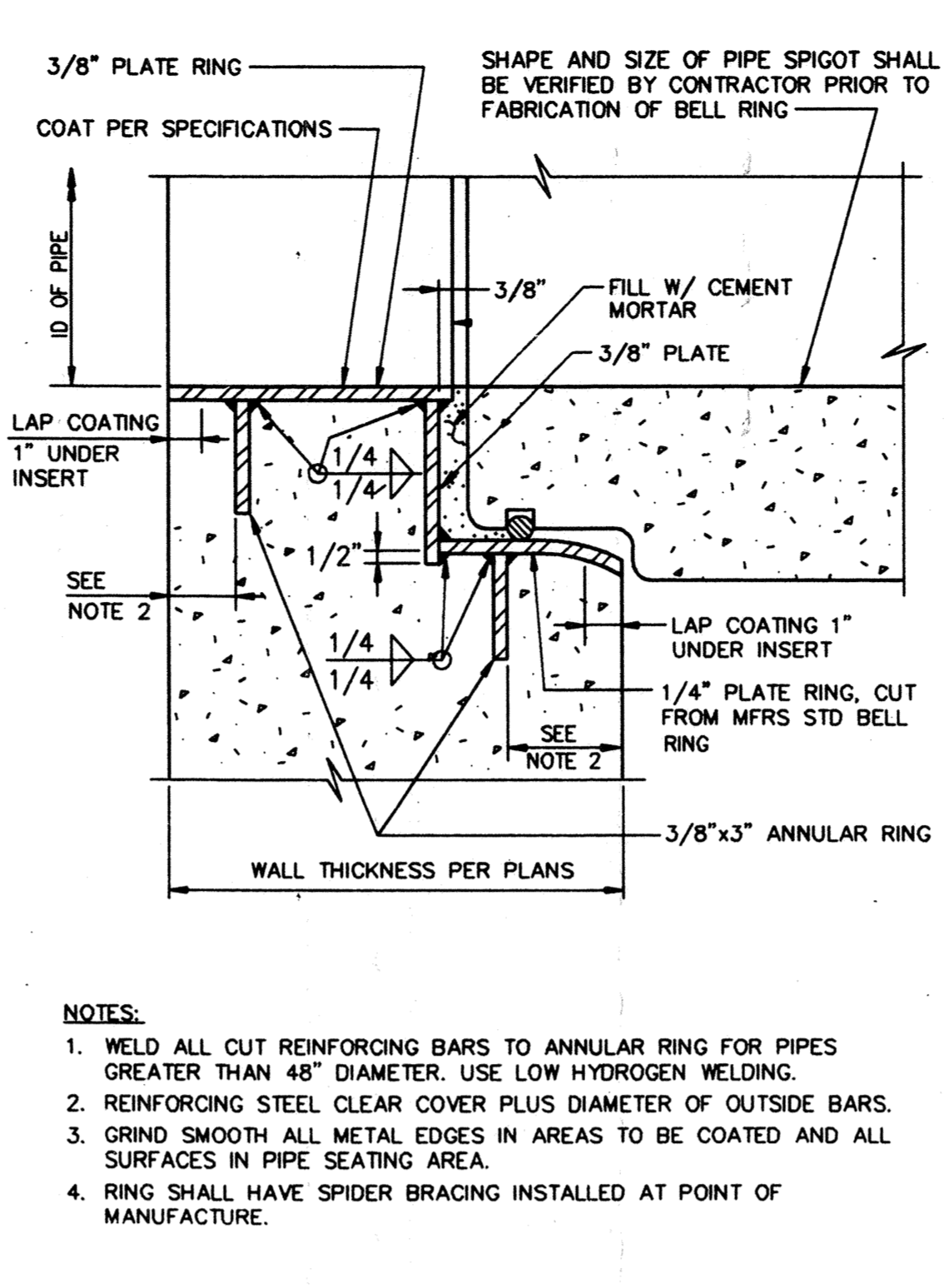
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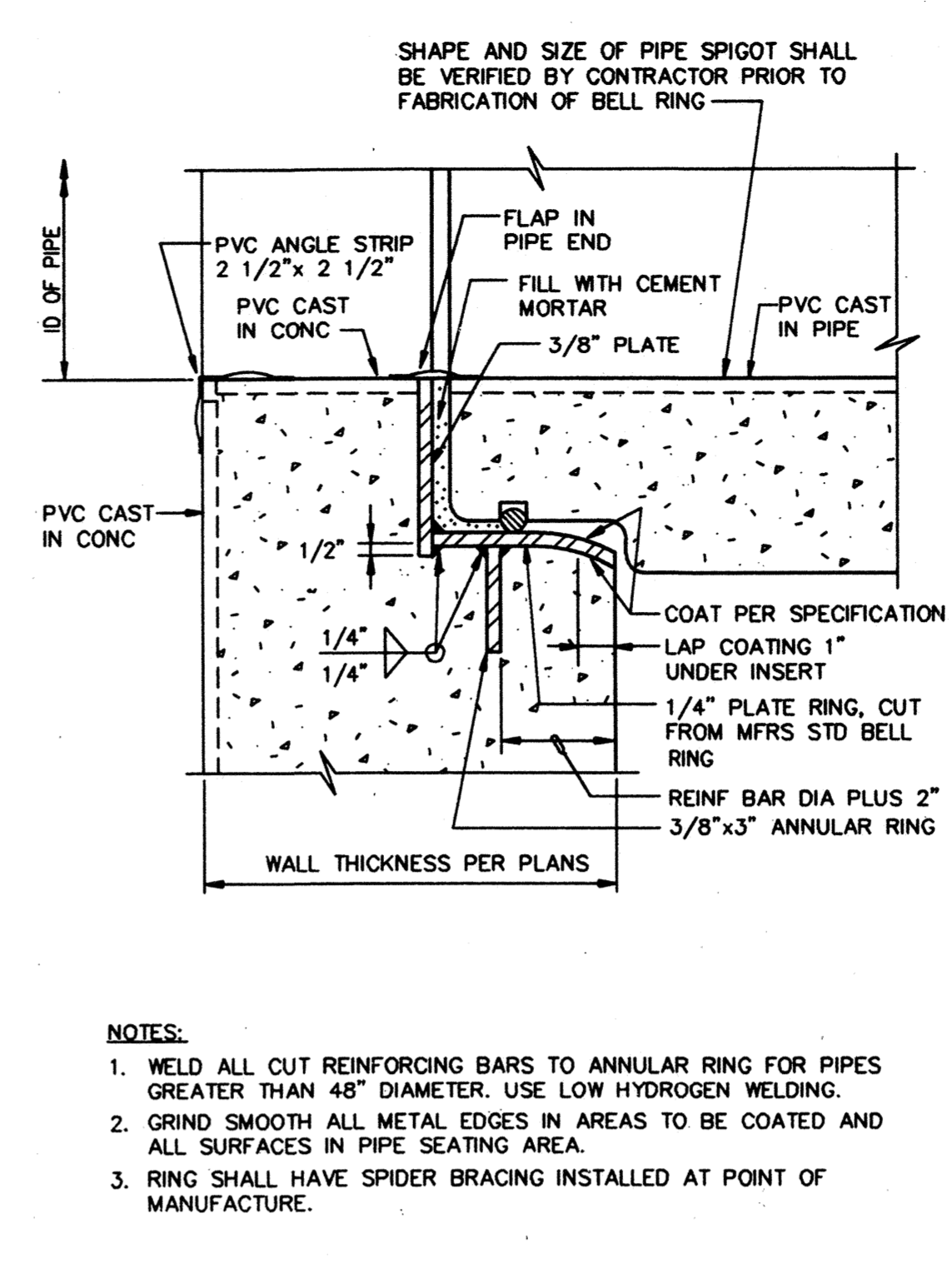
220 ACCEPTABLE JOINTS ON RCP
TYP



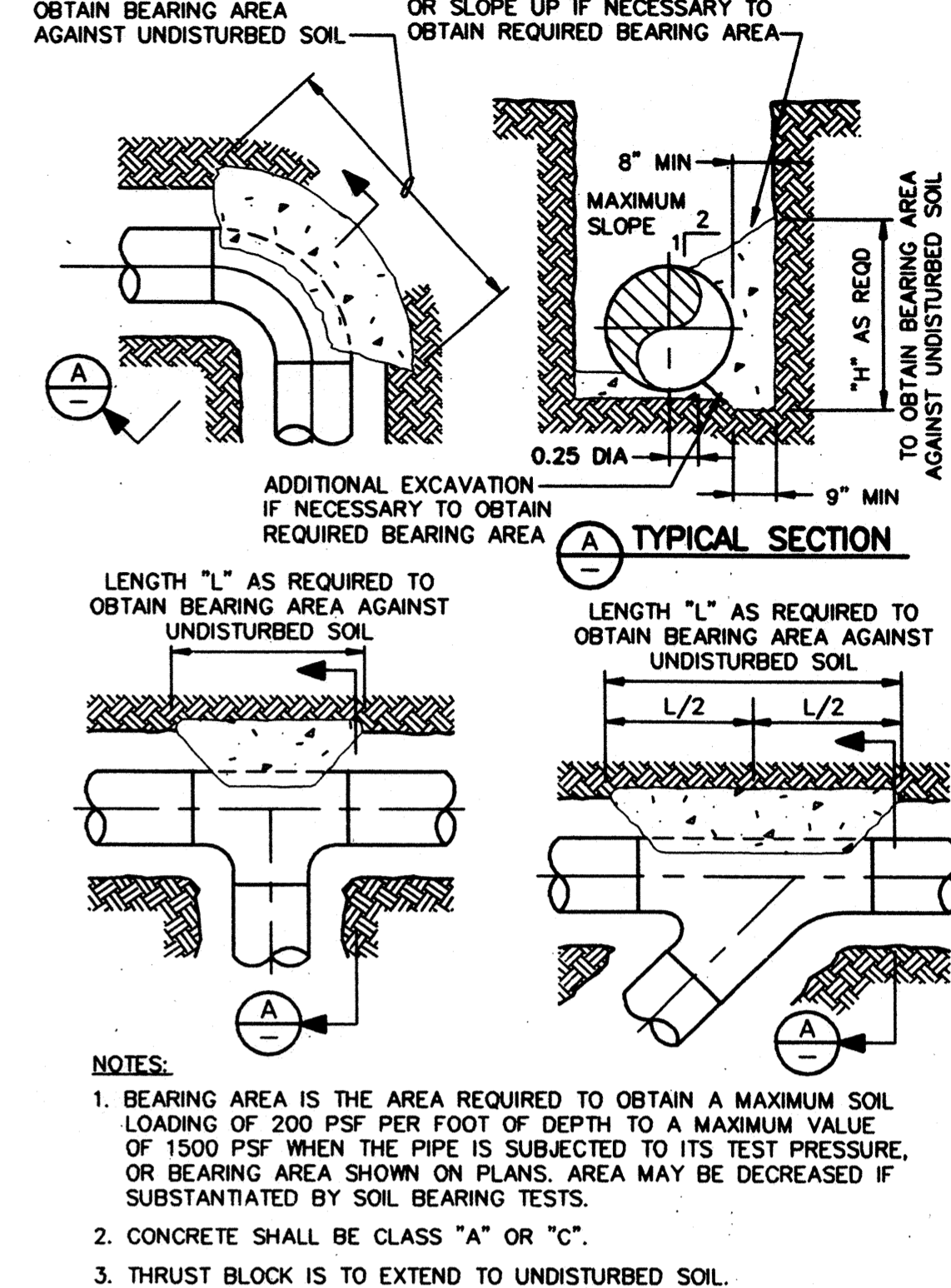
221 RCP FIELD CLOSURE
TYP



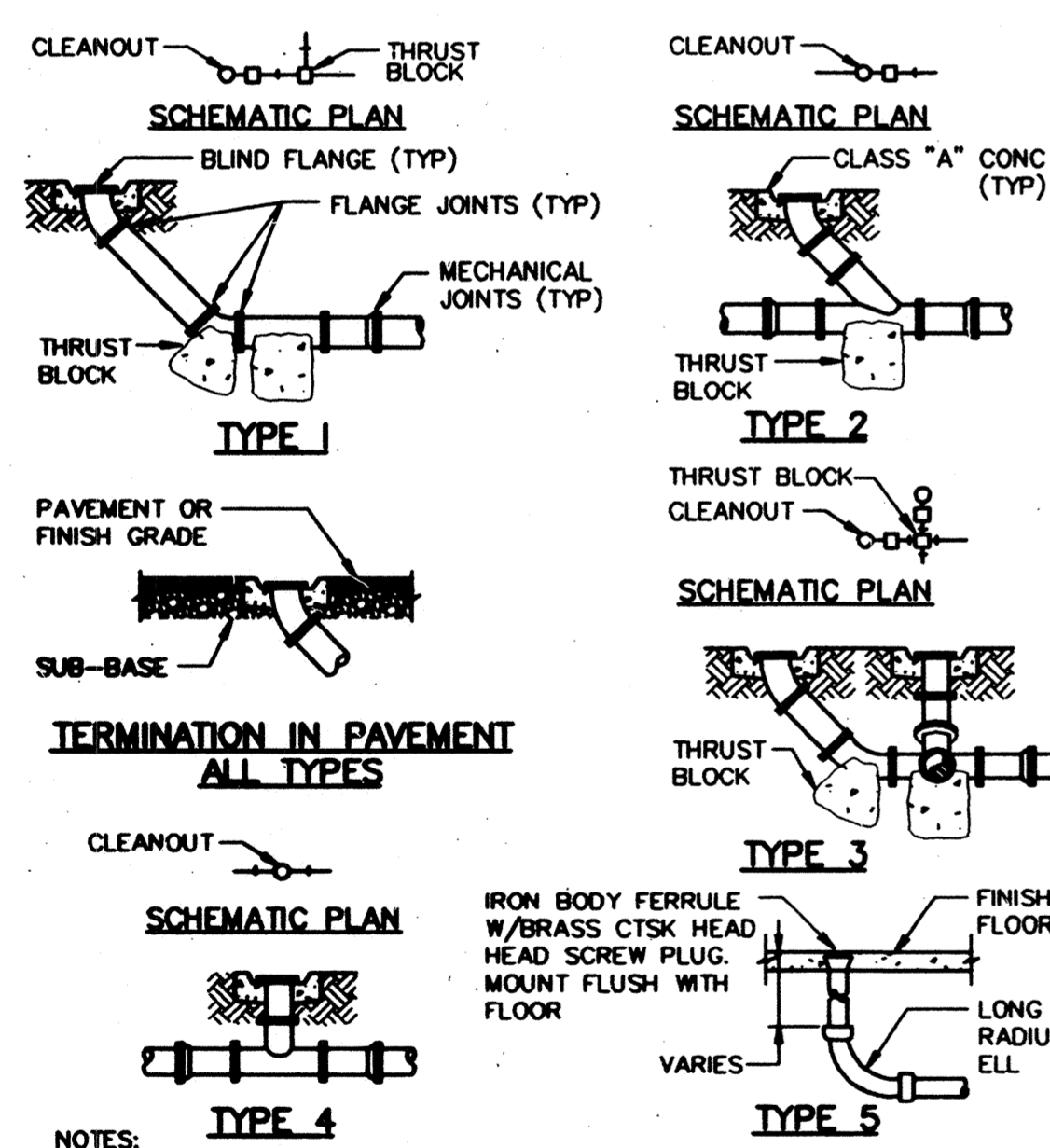
225 STANDARD BELL RING INSERT
TYP



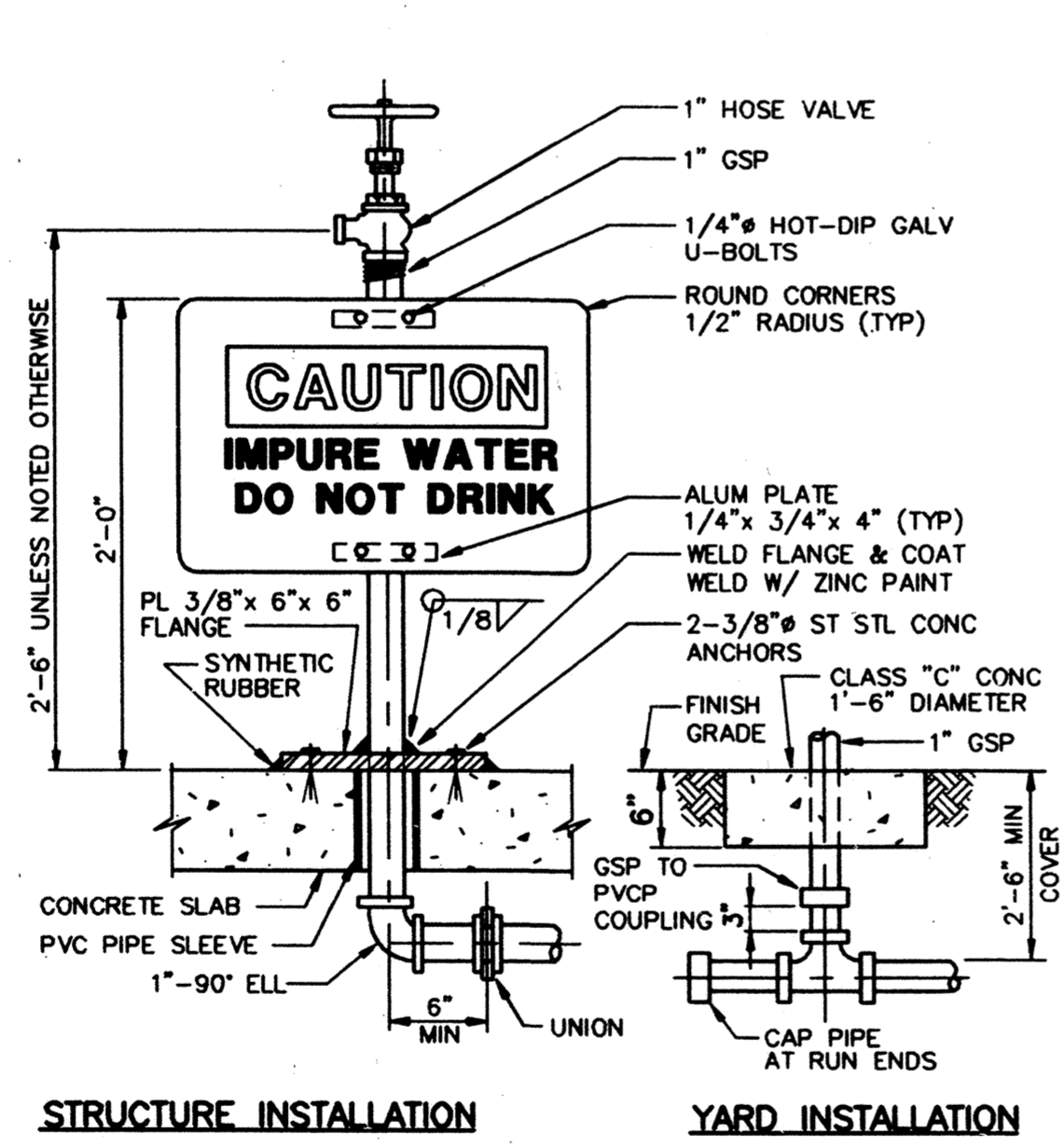
226 STANDARD BELL RING INSERT WITH PVC PLATE LINER
TYP



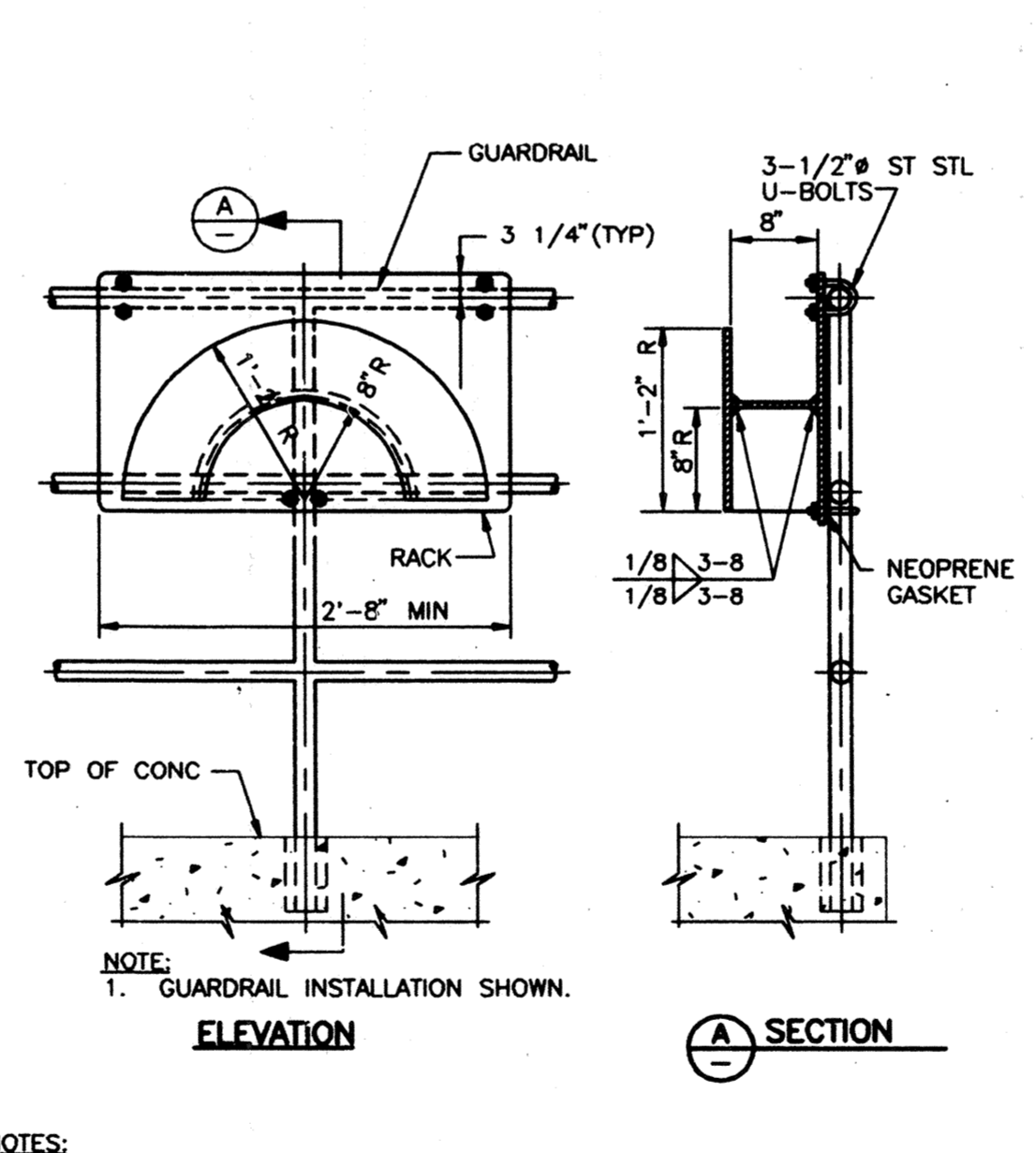
230 PIPE THRUST BLOCK
TYP



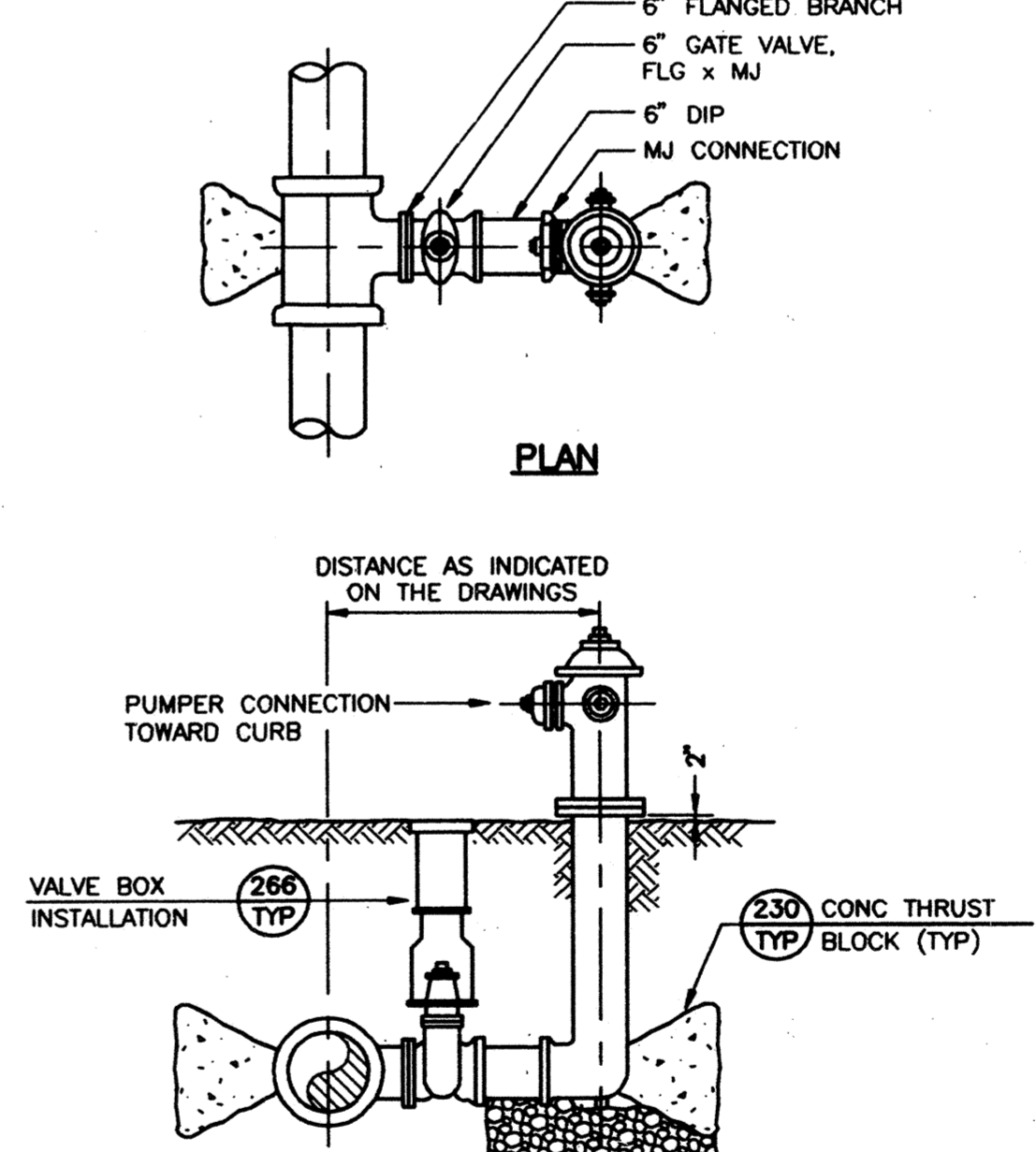
235 CLEANOUTS
TYP



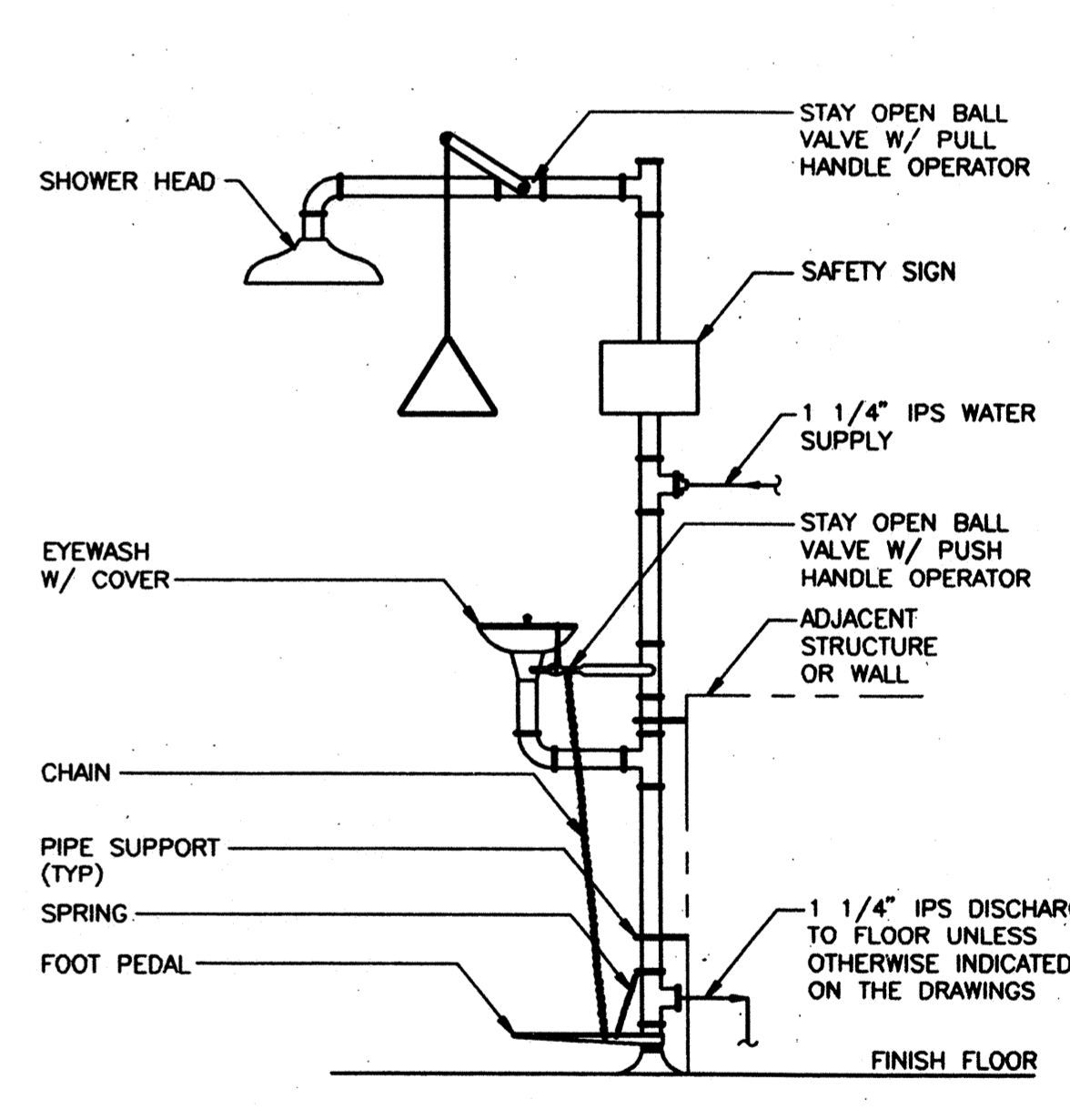
243 1" HOSE VALVE AND SIGN
TYP



244 HOSE RACK
TYP



247 FIRE HYDRANT AND VALVE
TYP



248 EMERGENCY SHOWER & EYEWASH
TYP

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

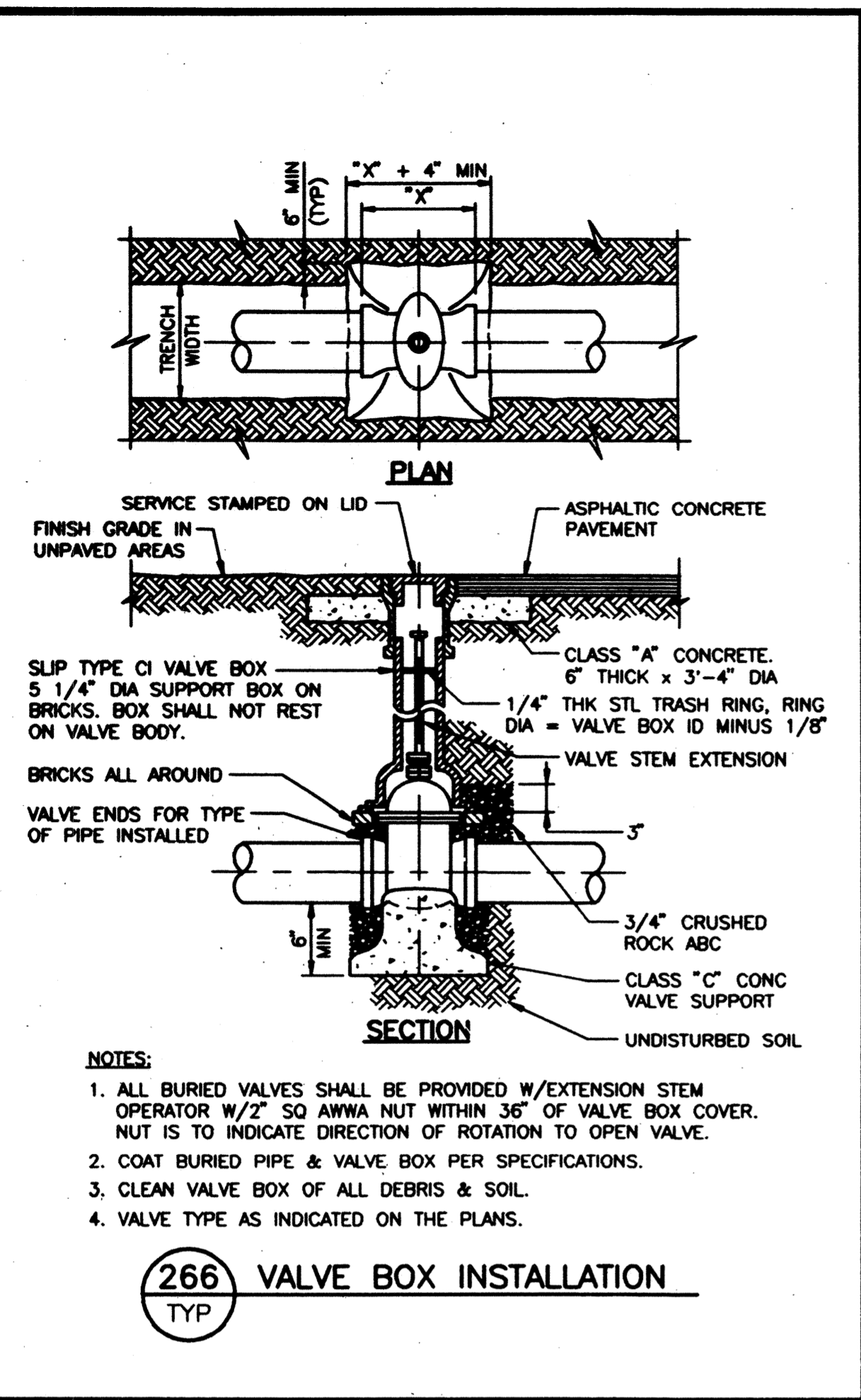
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DRAWN: CE		JOB NO. 3385D.10
CHECKED: DJ		
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION

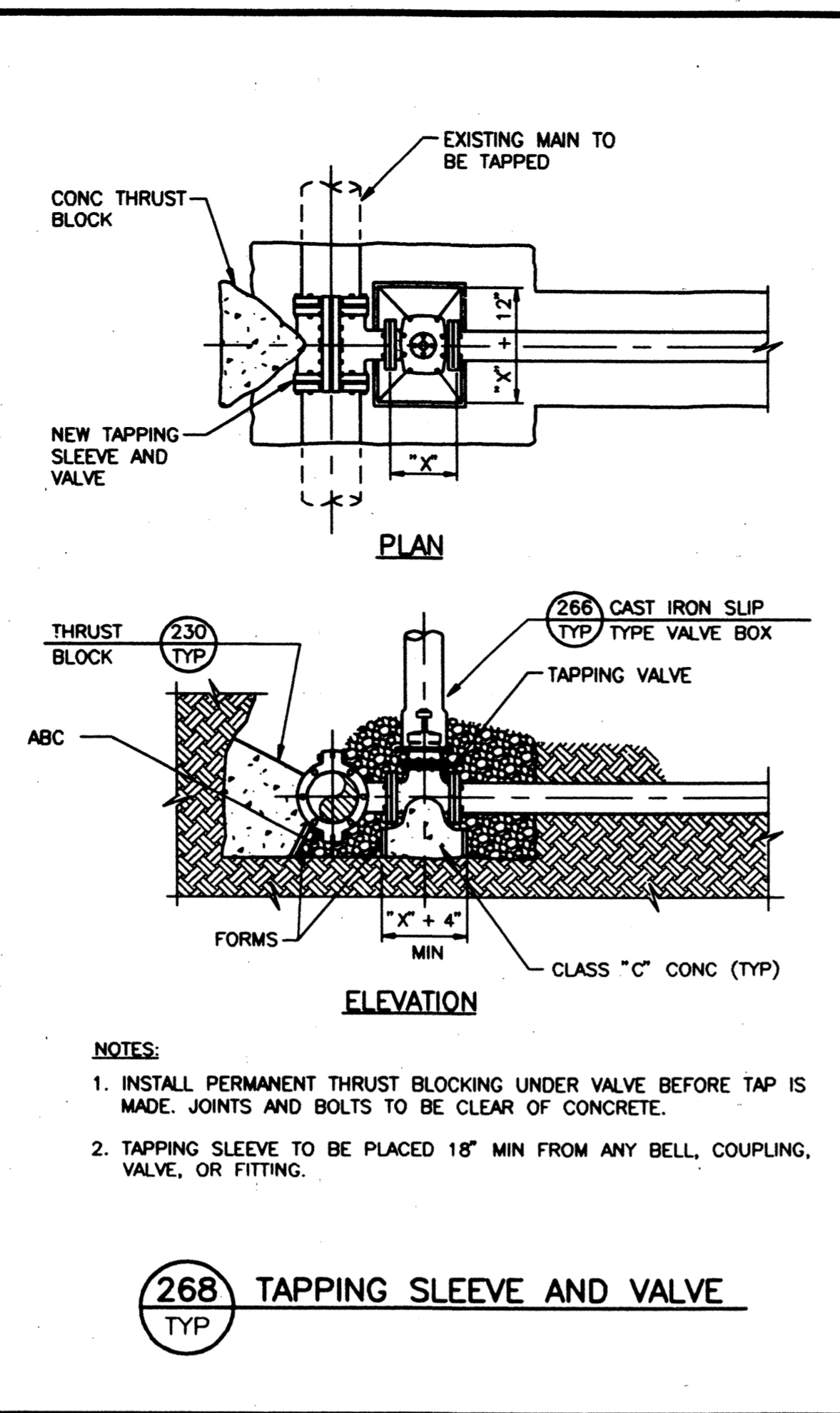
DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER			
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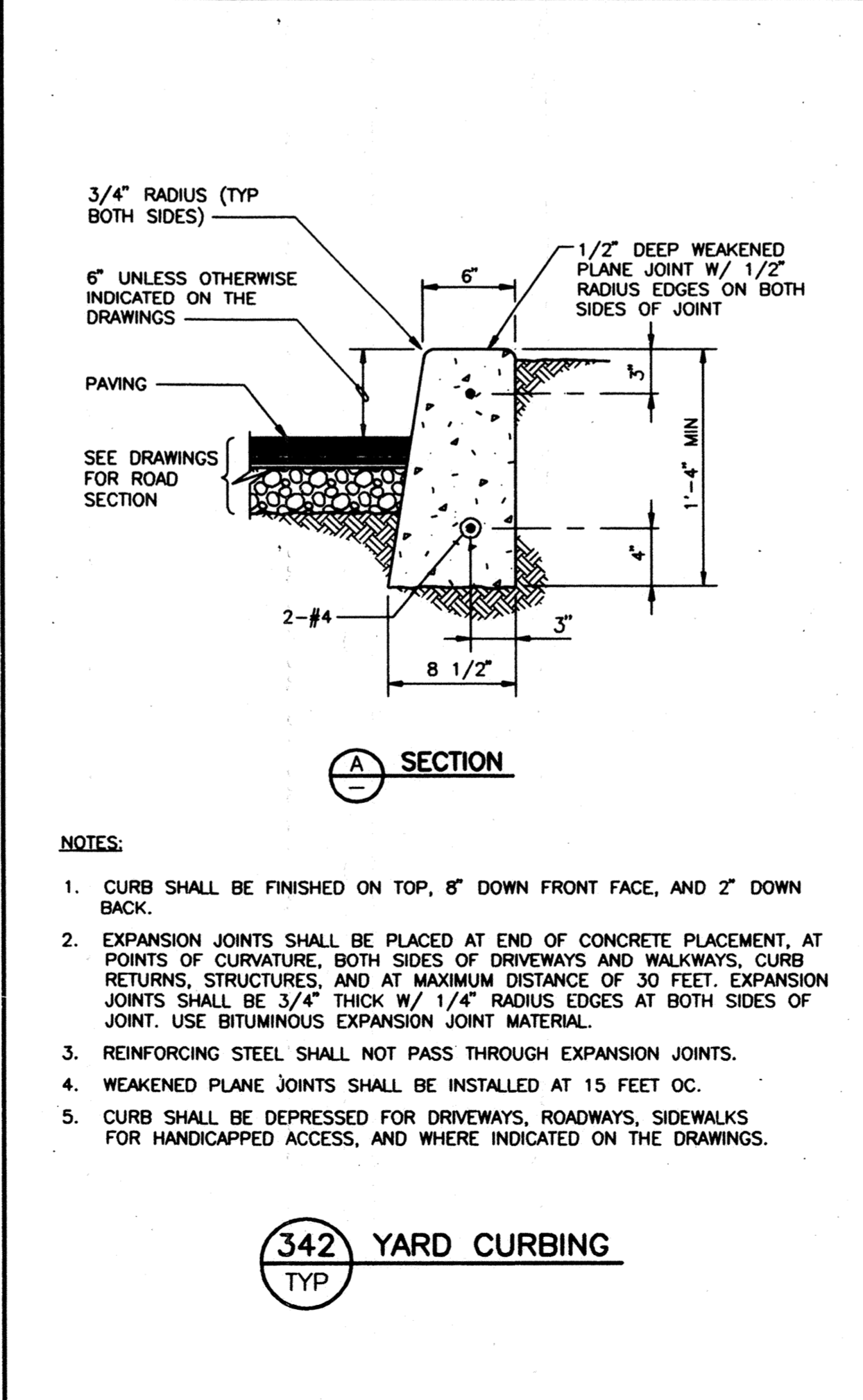
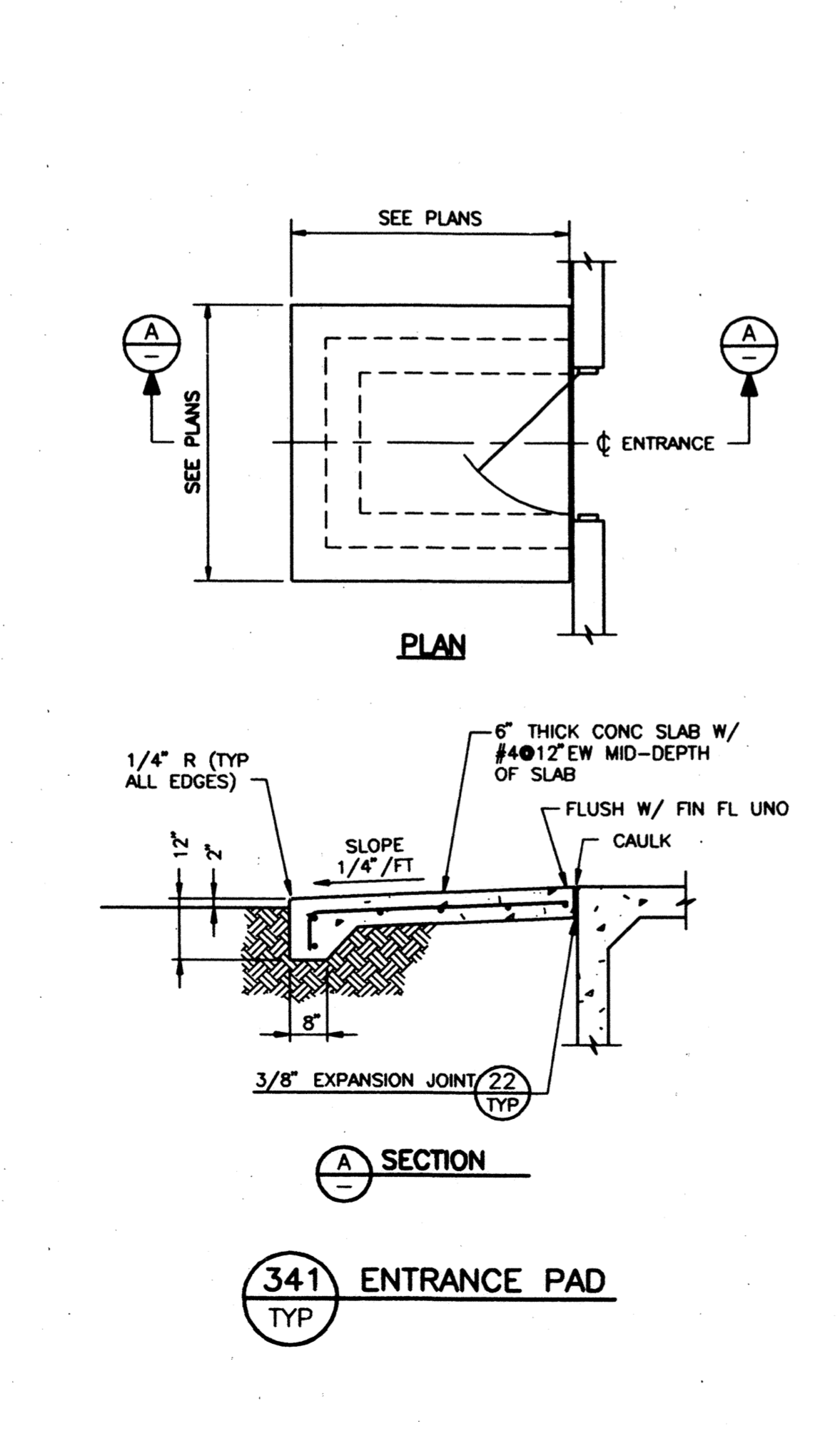
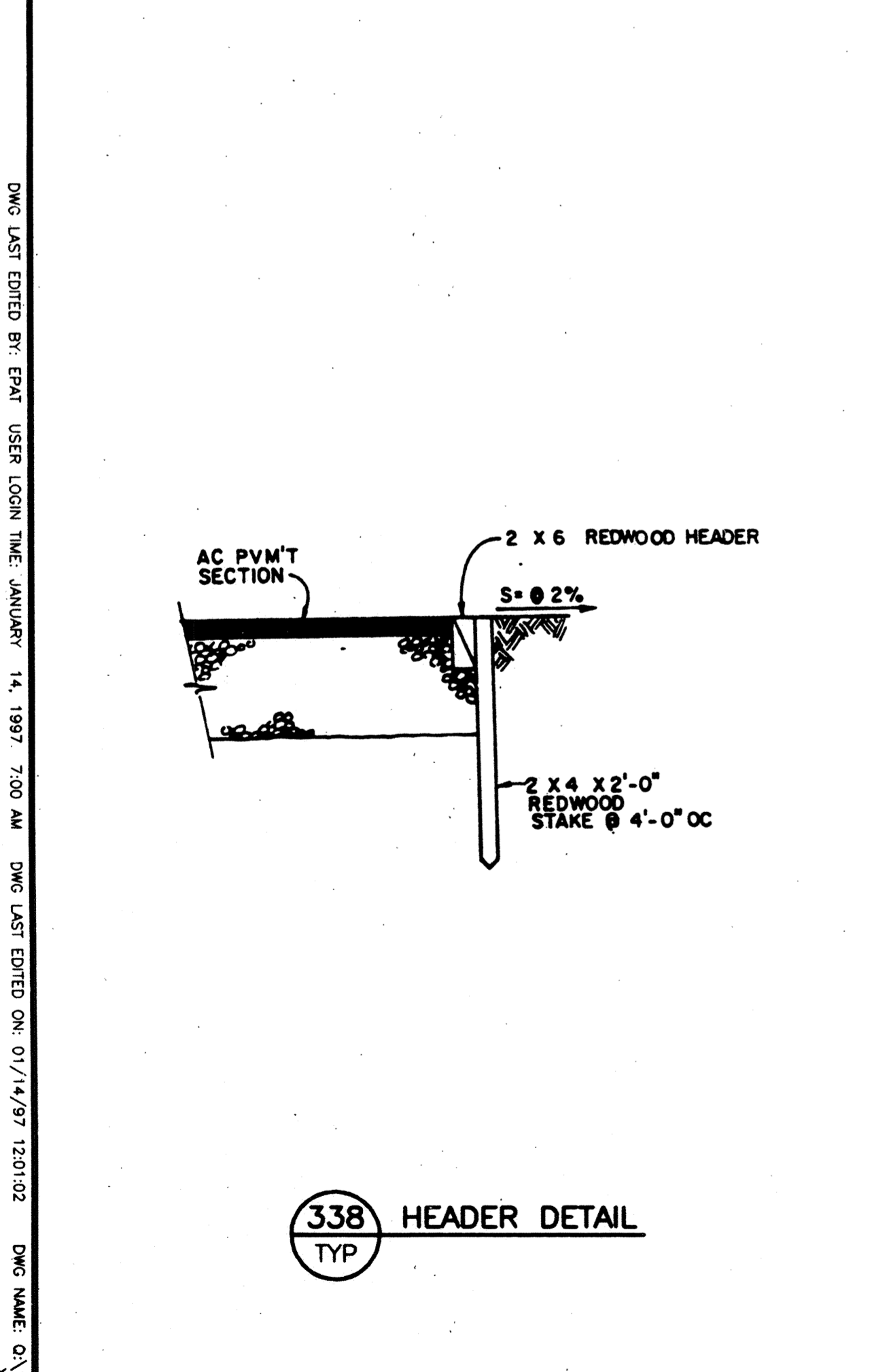
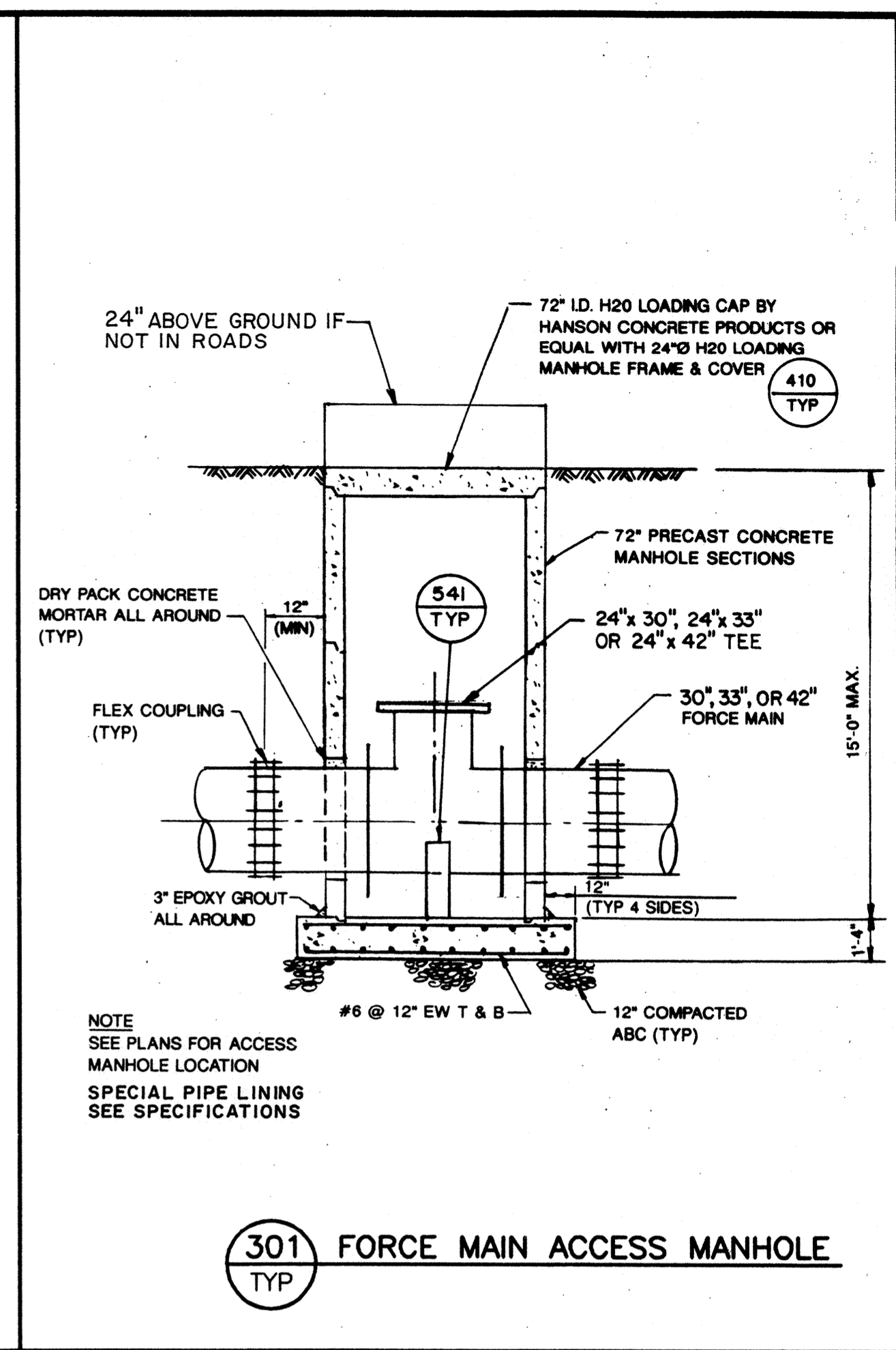
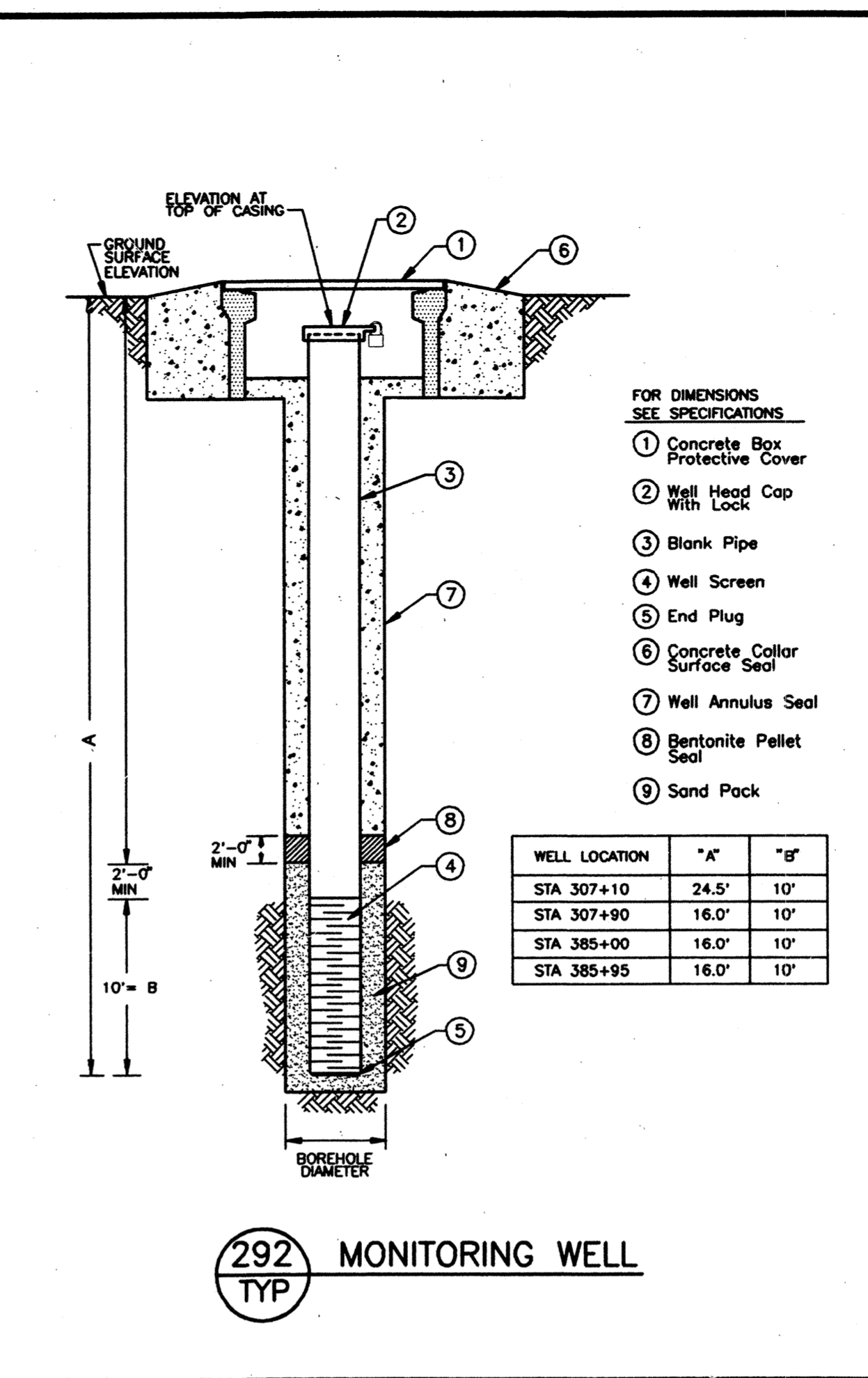
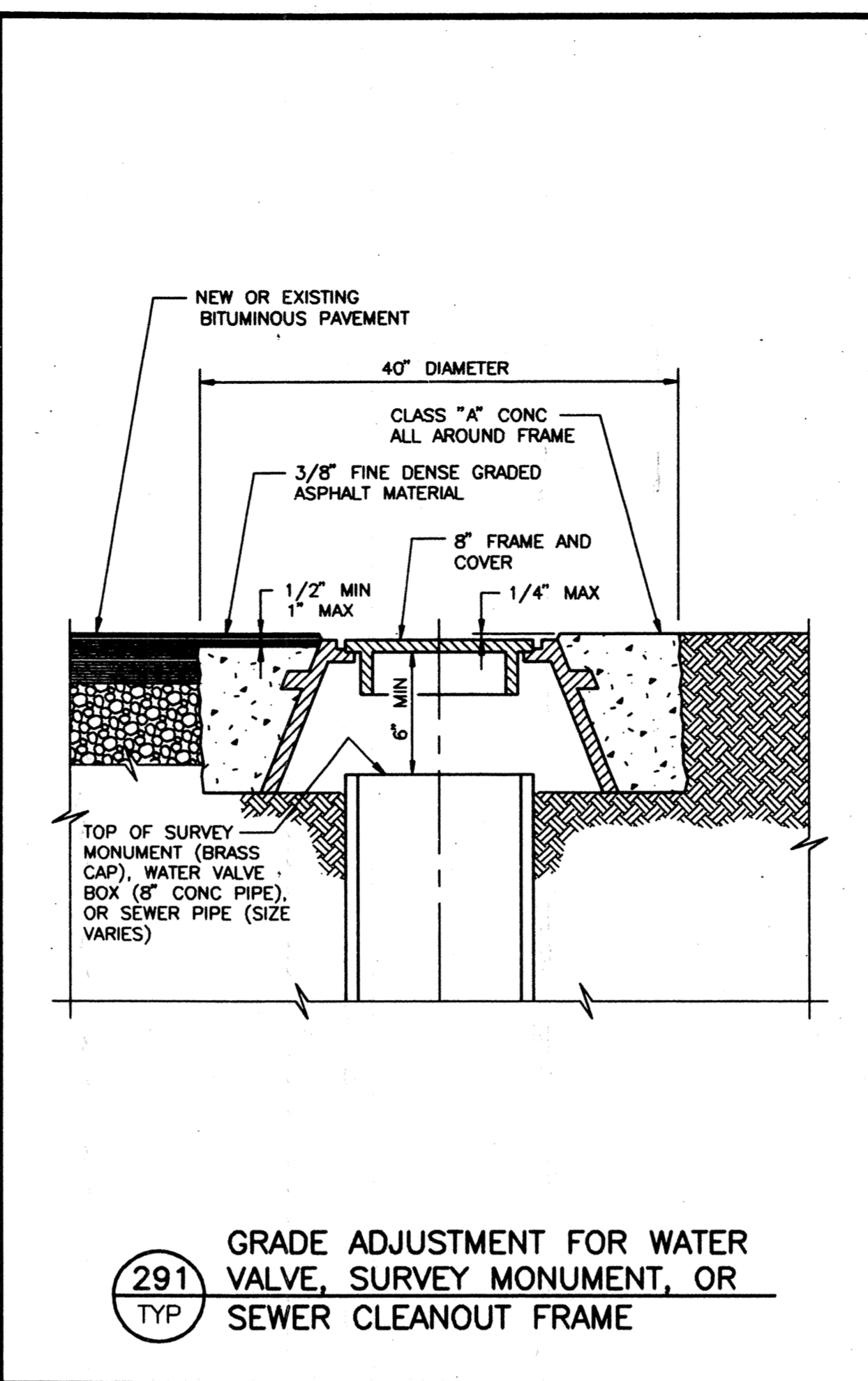
4006.37Ca



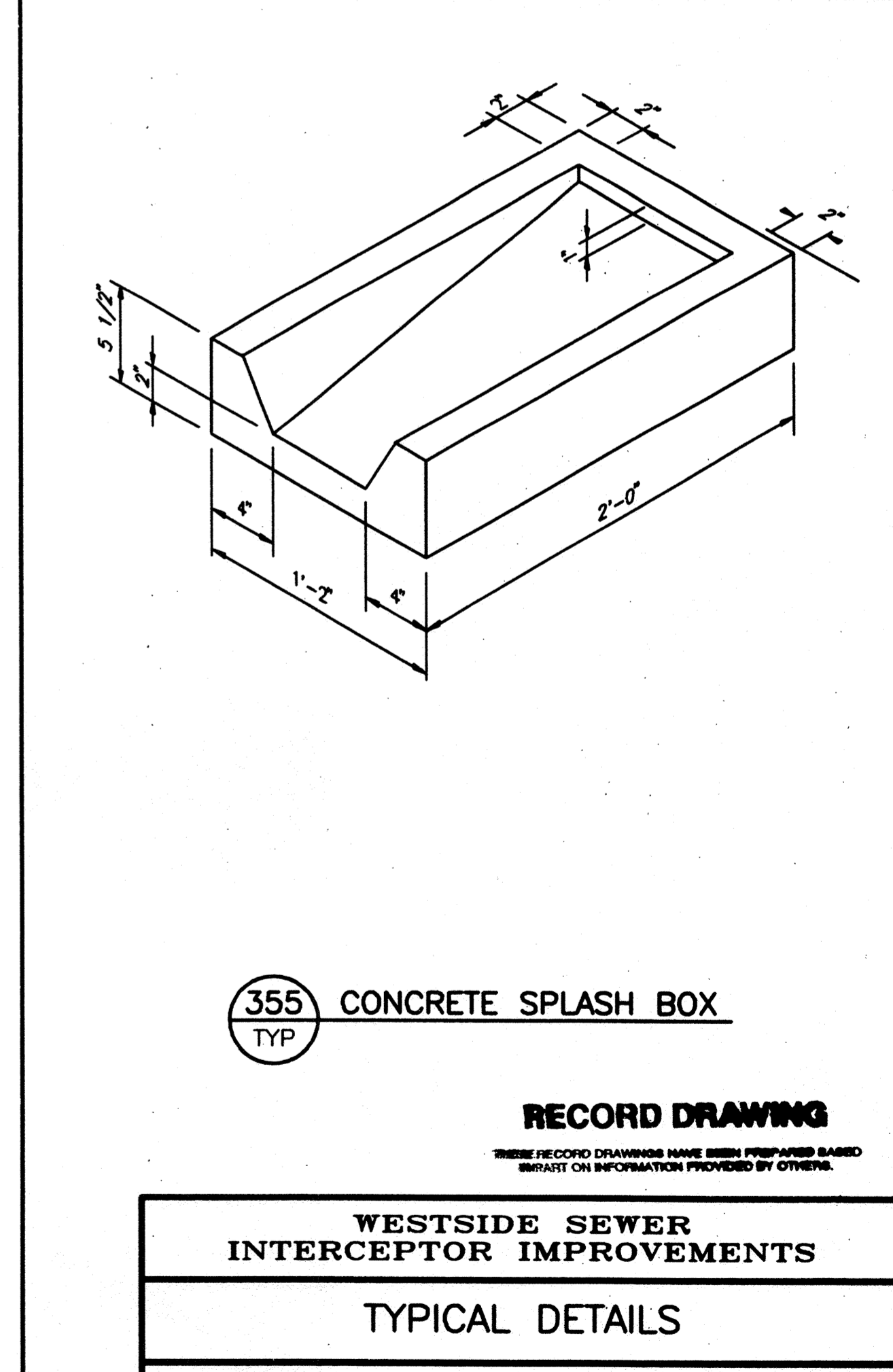
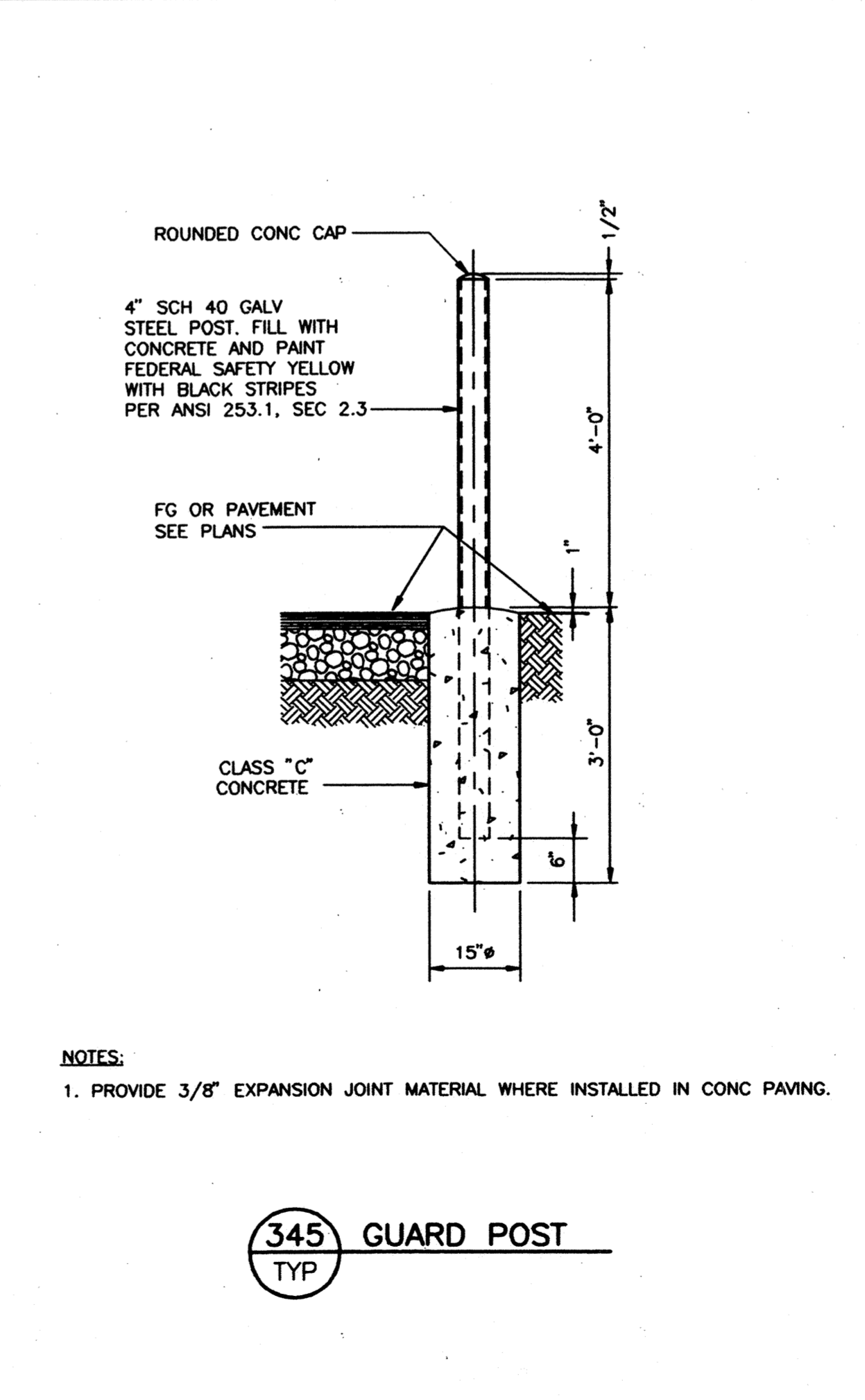
- NOTES:**
- ALL BURIED VALVES SHALL BE PROVIDED W/EXTENSION STEM OPERATOR W/2" SQ ANWA NUT WITHIN 36" OF VALVE BOX COVER. NUT IS TO INDICATE DIRECTION OF ROTATION TO OPEN VALVE.
 - COAT BURIED PIPE & VALVE BOX PER SPECIFICATIONS.
 - CLEAN VALVE BOX OF ALL DEBRIS & SOIL.
 - VALVE TYPE AS INDICATED ON THE PLANS.



- NOTES:**
- INSTALL PERMANENT THRUST BLOCKING UNDER VALVE BEFORE TAP IS MADE. JOINTS AND BOLTS TO BE CLEAR OF CONCRETE.
 - TAPPING SLEEVE TO BE PLACED 18" MIN FROM ANY BELL, COUPLING, VALVE, OR FITTING.



- NOTES:**
- CURB SHALL BE FINISHED ON TOP, 8\"/>



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON THE INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

TYPICAL DETAILS

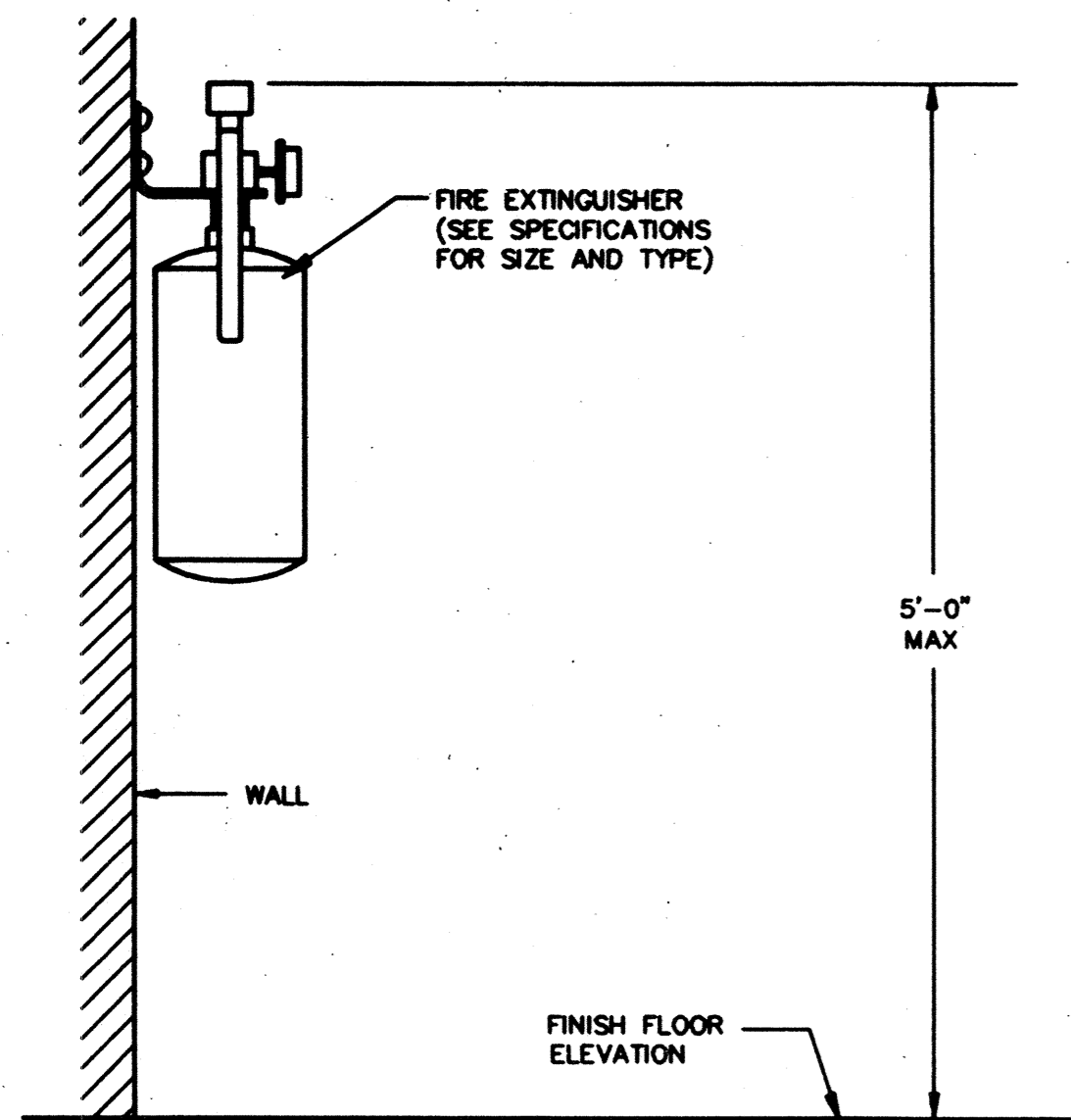
**DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA**

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CHECKED: DJ	CITY ENGINEER	
AS BUILT BY: PG	STOCKTON, CALIF.	

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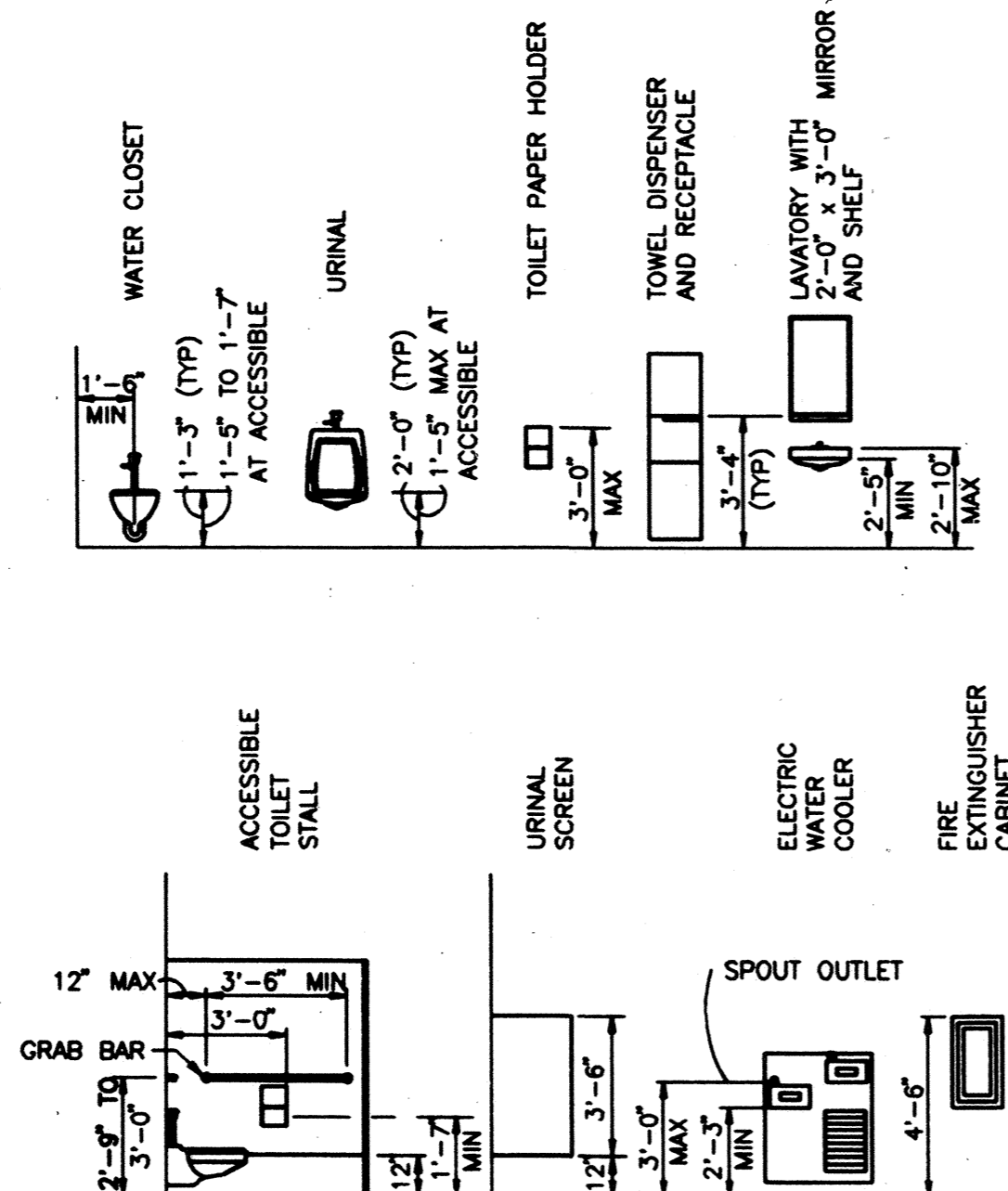
DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER	carollo engineers
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4006.38C_a

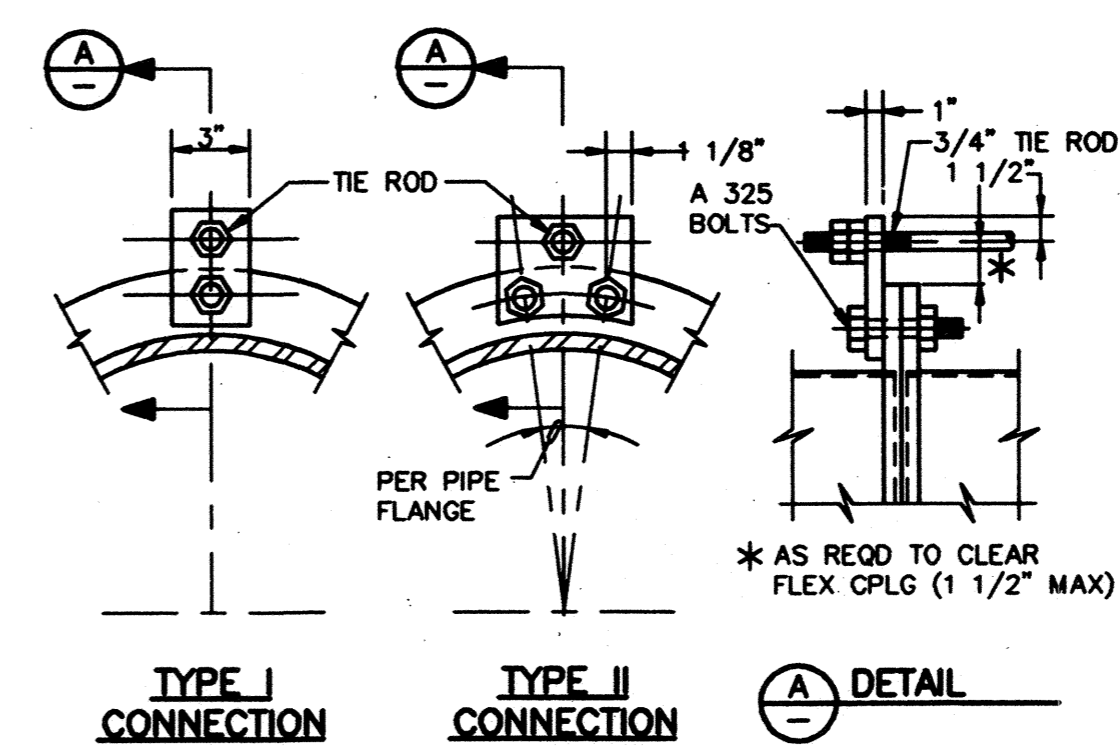


- NOTES:
- MOUNT TO WALL WITH NUMBER AND SIZE OF ANCHORS TO MATCH BRACKET. USE CONCRETE ANCHORS FOR MASONRY OR CONCRETE WALLS. INSTALL AT GROUDED MASONRY CELL. MOUNT TO STUD WITH LAG BOLTS, OR WOOD SCREWS FOR WOOD PARTITION WALL.
 - PAIN A 3" RED SQUARE ON THE WALL BEHIND THE EXTINGUISHER PER ANSI.

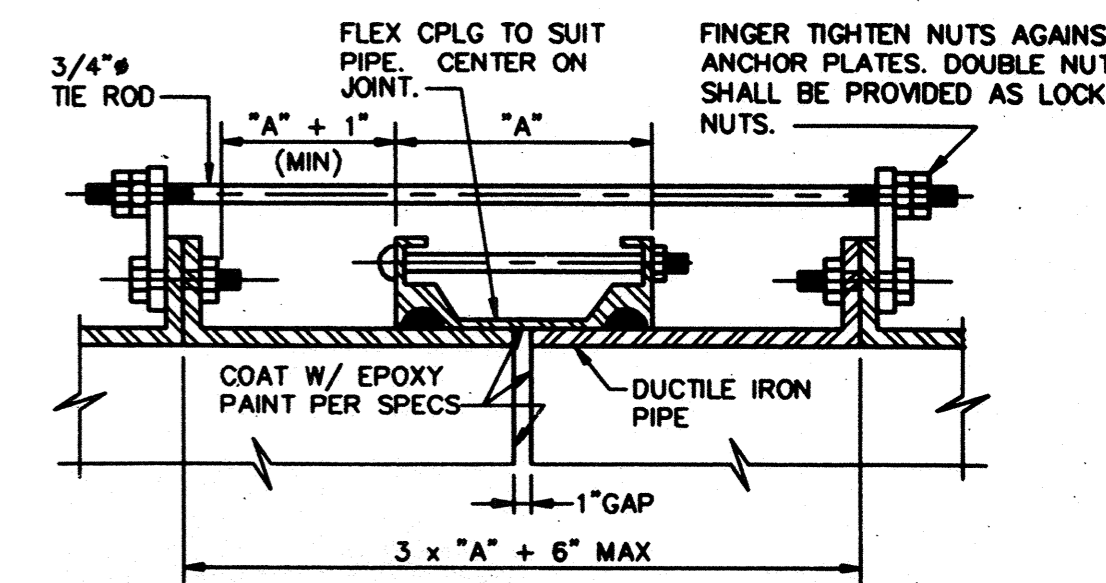
362 FIRE EXTINGUISHER
TYP



381 ACCESSORY MOUNTING HEIGHTS
TYP

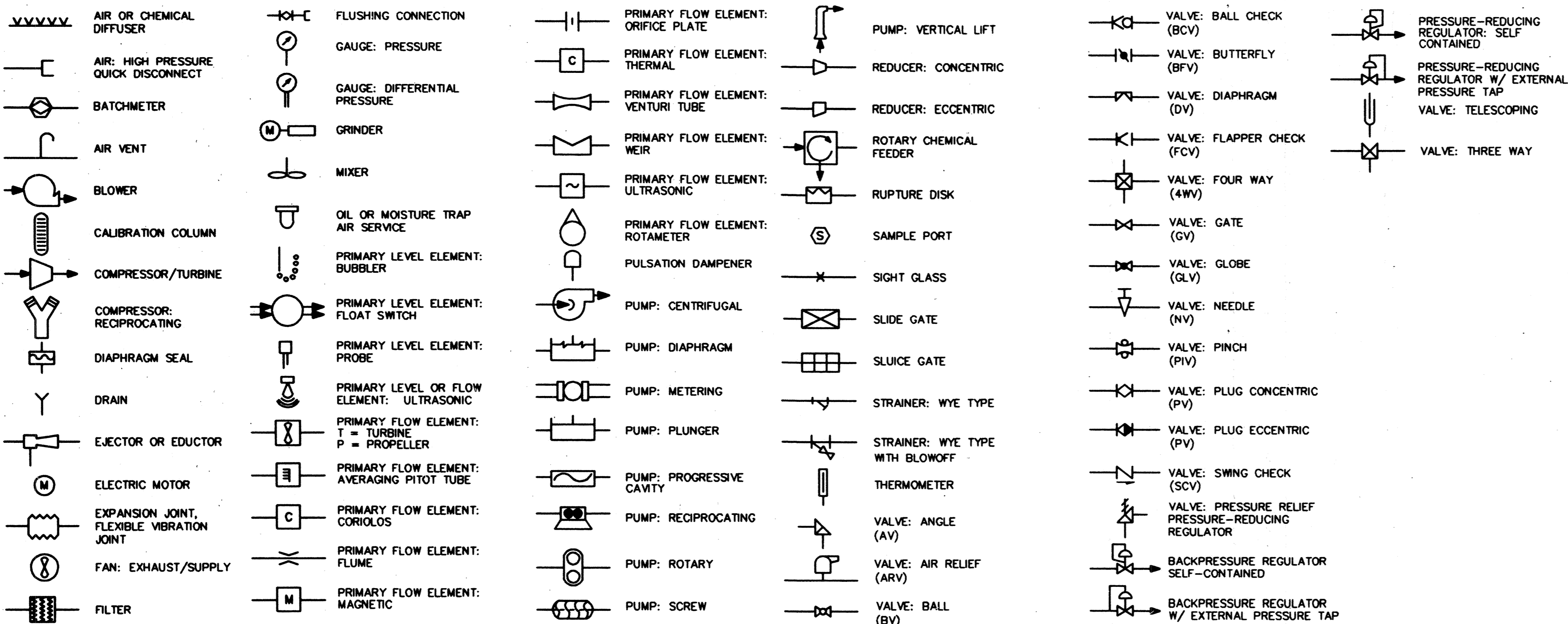


- NOTES:
- ALL EXPOSED FLEXIBLE COUPLINGS SHALL HAVE TIE RODS UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE DRAWINGS.
 - PIPE THRUST SHALL BE BASED ON TEST PRESSURE.
 - PIPE THRUST = $0.7854 \times D^2 \times \text{TEST PRESSURE}$, WHERE D IS PIPE OD.
 - MINIMUM TIE ROD YIELD 48,000 PSI.
 - FOR THRUSTS GREATER THAN 30,000 POUNDS, ADD ONE 3/4 INCH DIAMETER ROD FOR EVERY 6,000 POUNDS INCREASE IN THRUST.
 - CONTRACTOR MAY USE ONE INCH DIAMETER ROD FOR THRUSTS GREATER THAN 30,000 POUNDS. NUMBER OF ONE INCH RODS = NUMBER OF 3/4 INCH RODS $\times 0.5625$ (ROUND OFF TO THE NEXT LARGER NUMBER)
 - ALL ROD CONNECTIONS SHALL BE TYPE II FOR THRUSTS GREATER THAN 30,000 POUNDS.
 - GRIND ALL CORNERS SMOOTH.

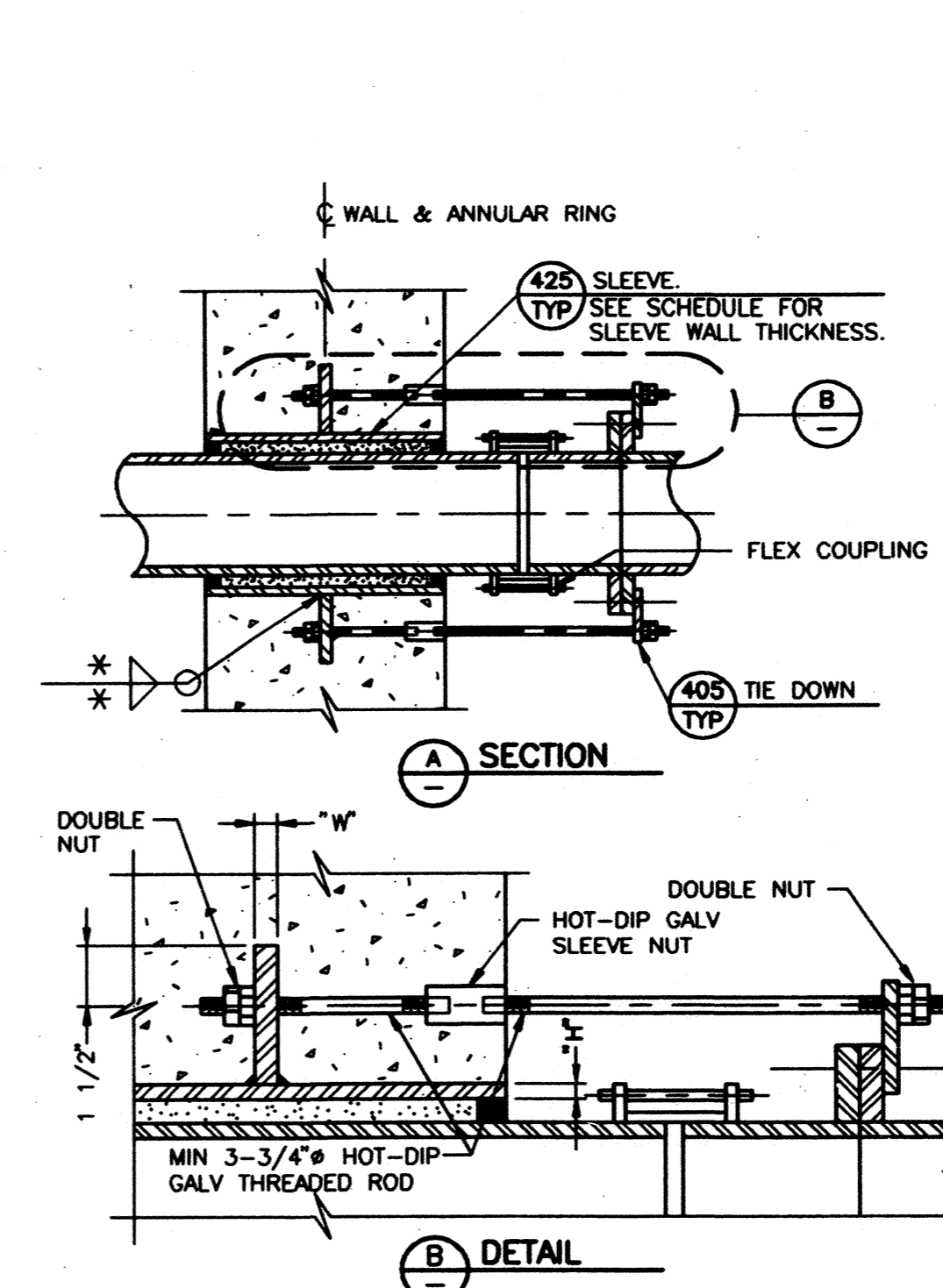


ROD SCHEDULE FOR DIP		
PIPE THRUST, SEE NOTE 2.	TYPE OF CONNECTION	NO RODS
0-6,000#	I	2
6,001-12,000#	II	2
12,001-18,000#	II	3
18,001-24,000#	II	4
24,001-30,000#	II	5

405 DUCTILE IRON PIPE FLEXIBLE COUPLING TIE DOWN
TYP

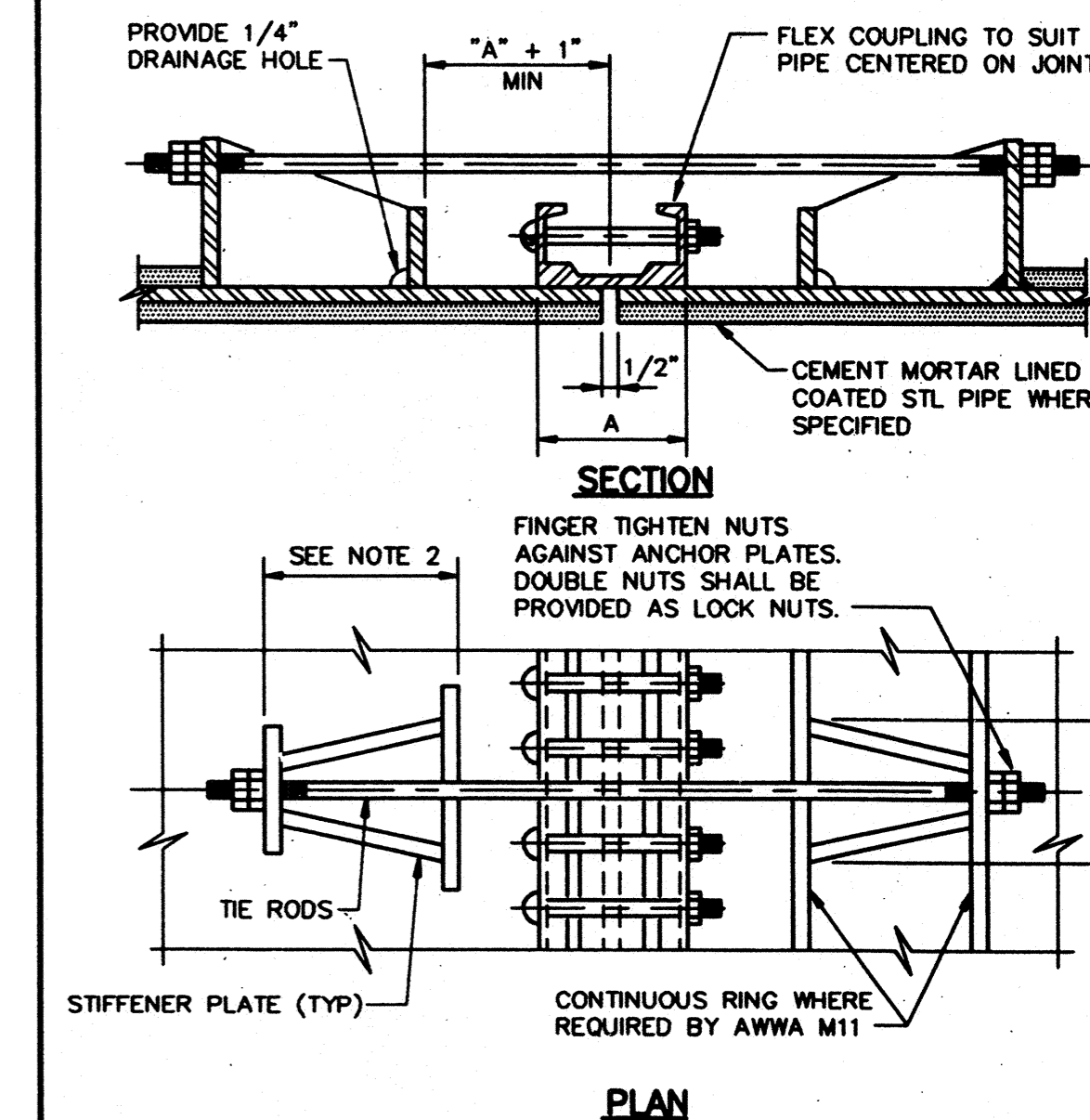


400 PIPING SYMBOLS AND ABBREVIATIONS
TYP



SCHEDULE			
MARK NO	"W"	"H"	* WELD SIZE

404 DIP TIE DOWN AT SLEEVE
TYP



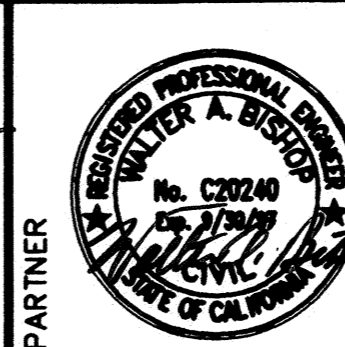
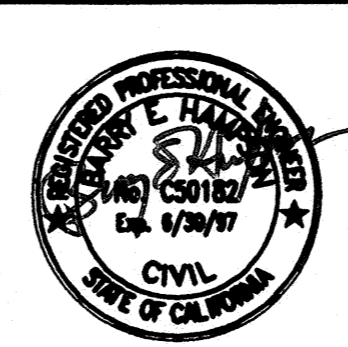
- NOTES:
- DESIGN SHALL BE BASED ON TEST PRESSURE.
 - ANCHOR LUGS AND TIE RODS FOR STEEL PIPE SHALL BE DESIGNED BY PIPE MANUFACTURER IN ACCORDANCE WITH AWWA M11 STEEL PIPE MANUAL.
 - GRIND ALL CORNERS SMOOTH.
 - COAT ALL SURFACES WITH EPOXY PAINT PER SPECIFICATIONS.

406 STEEL PIPE FLEXIBLE COUPLING TIE DOWN
TYP

REV.	DATE	BY	DESCRIPTION

DISCIPLINE ENGINEER

PROJECT ENGINEER



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

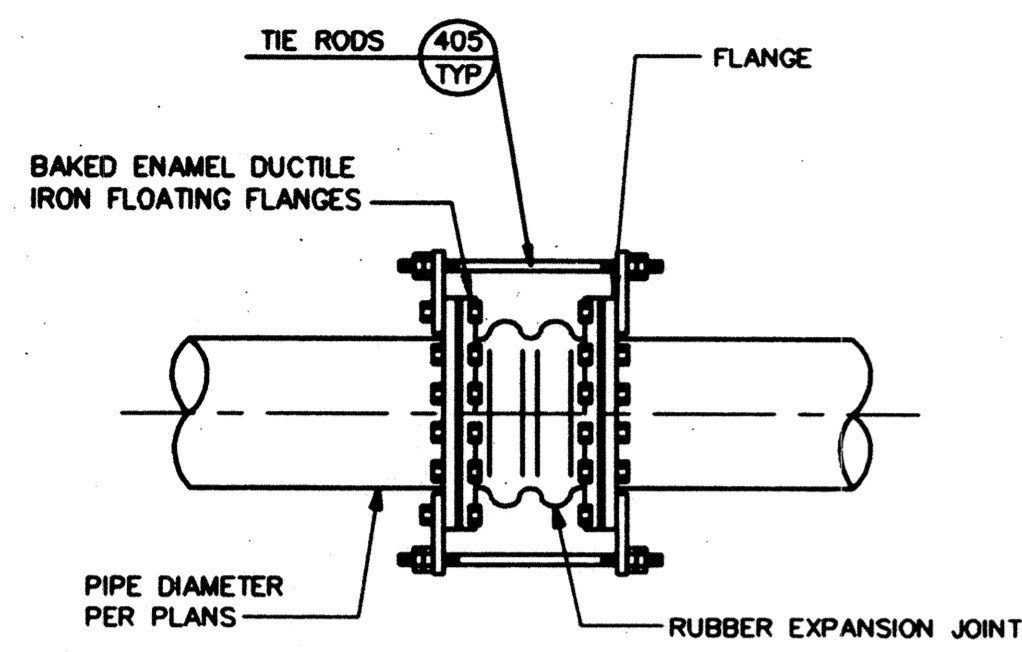
TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

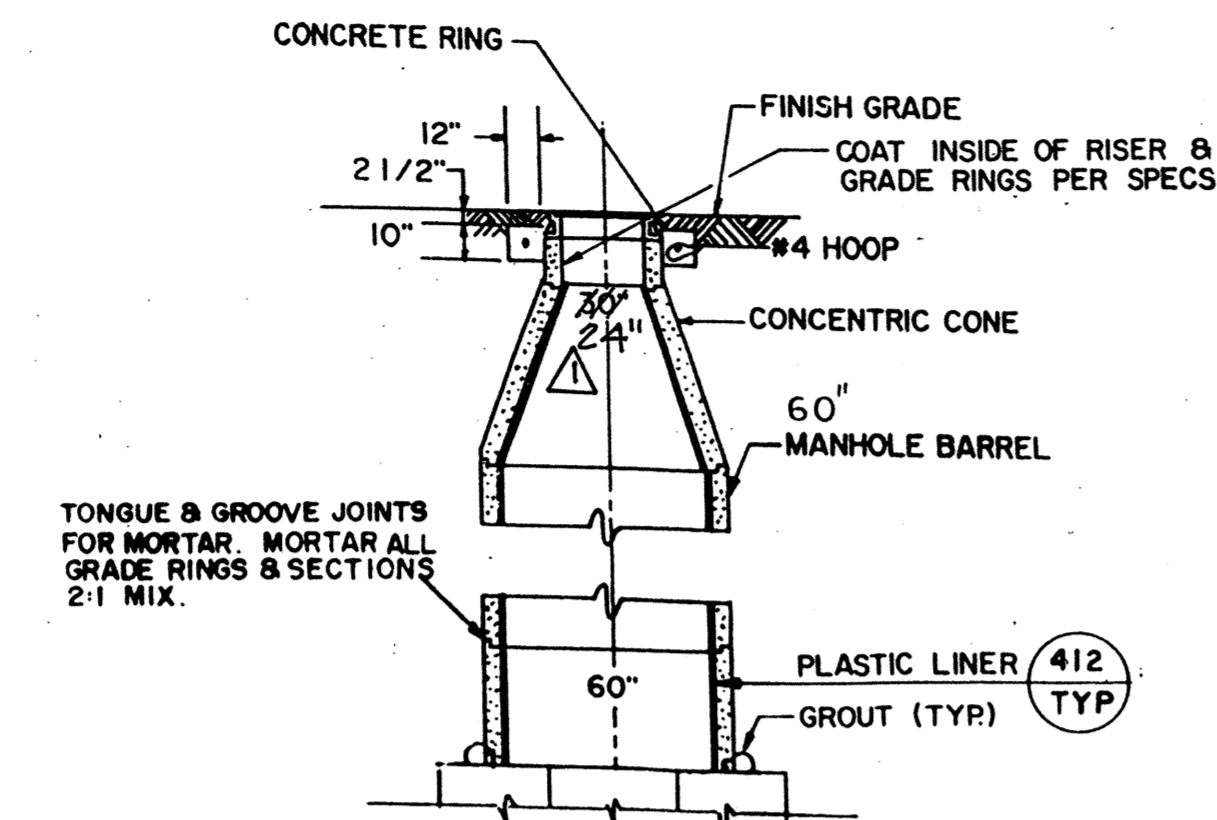
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DESIGNED: TFT/BEH	DRAWN: CE		SHEET NO. 40 OF 100
CHECKED: DJ	AS BUILT BY: PG		JOB NO. 3385D.10

4006.39Ca

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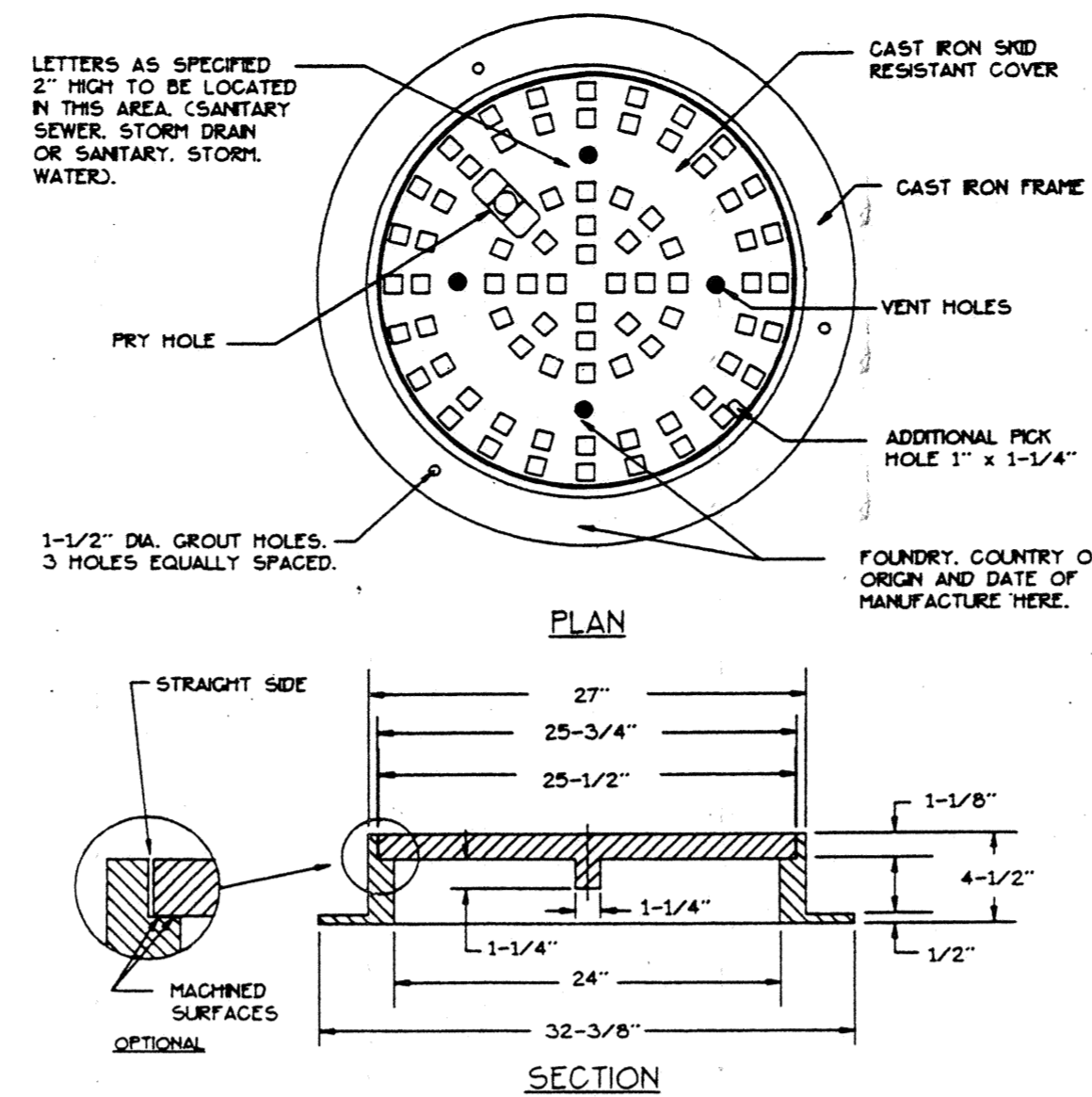


407 RUBBER EXPANSION JOINTS
TYP



NOTE: MANHOLE FRAME AND COVER TO BE 24" 60" MAINTENANCE HOLE RISER TO HAVE 6" WALL THICKNESS (CLASS B WALL).

408 CHIMNEY
TYP

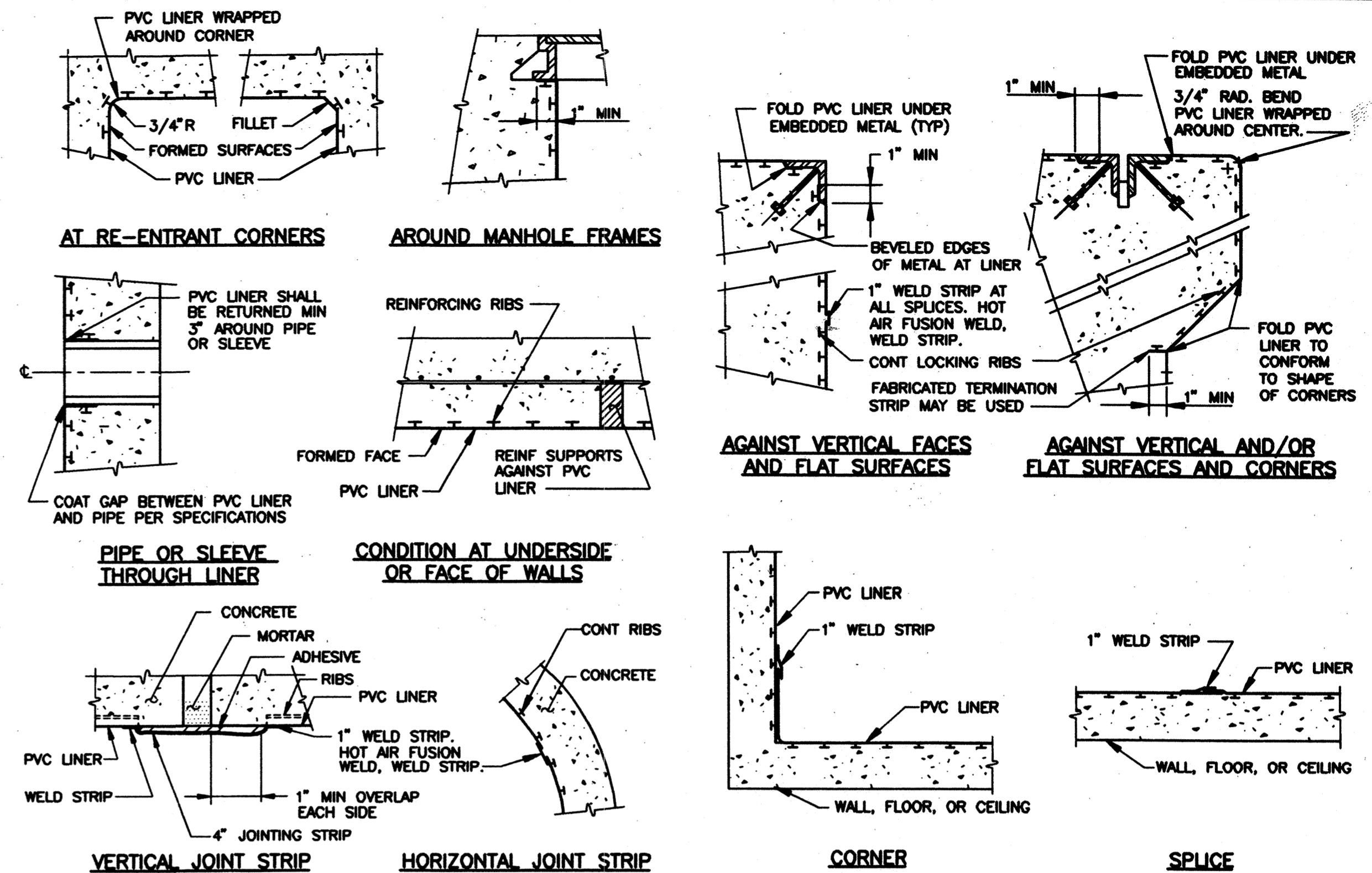


NOTES

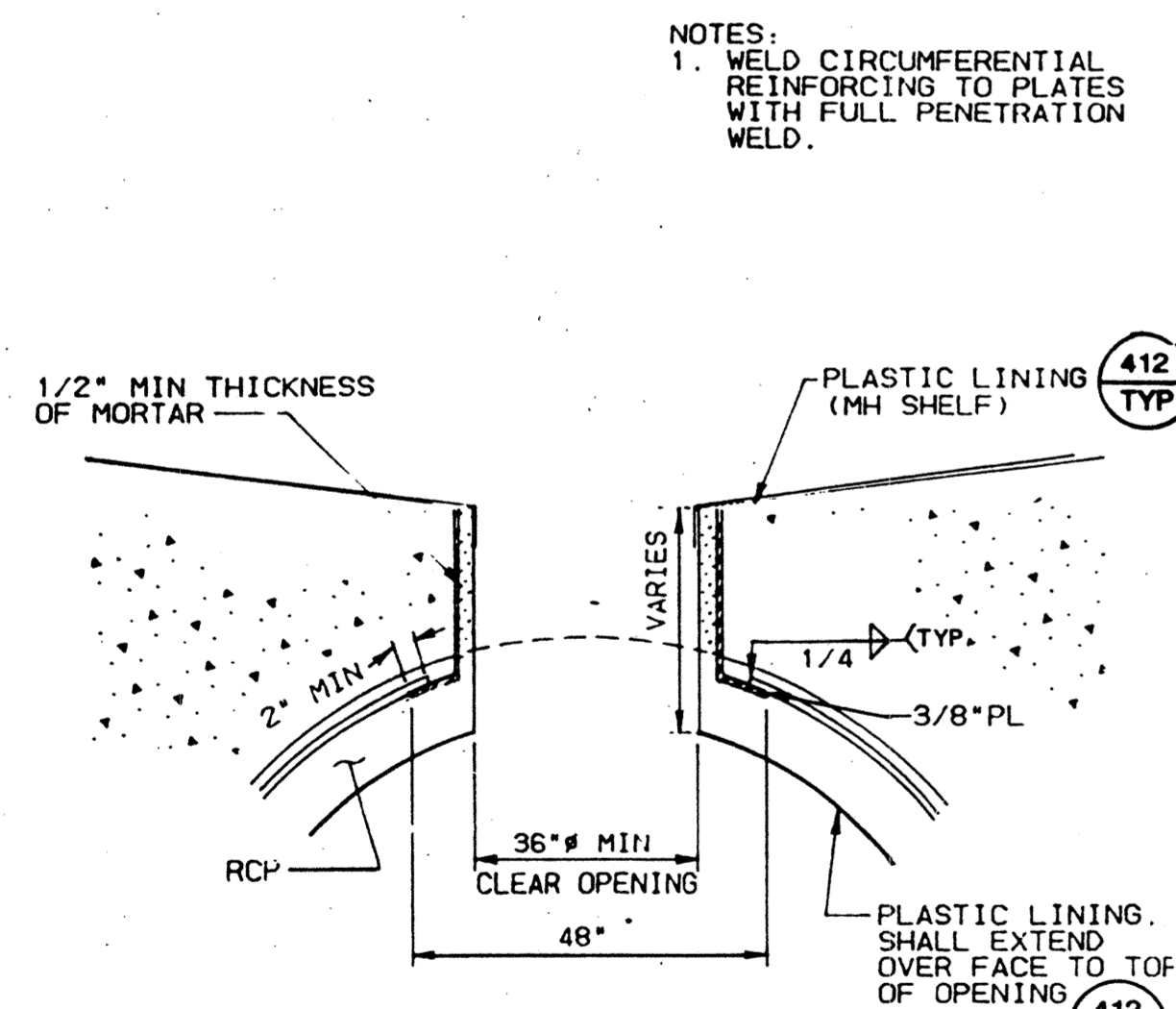
- M.H. FRAME AND COVER TO BE TYPE A-G24.
- M.H. COVERS FOR STORM WATER M.H. SHALL BE A-G24 WITH 4 HOLES CORED IN THE COVER.
- COVER SHALL BE DESIGNED TO WITHSTAND HS-20 HIGHWAY LOADING.
- FRAME AND COVER SHALL BE FULLY MACHINED TO ASSURE INTER CHANGEABILITY AND A CLOSE QUIET FIT.
- SEE SECTION 75-1.02b OF THE STANDARD SPECIFICATIONS.

* FOR ALL MANHOLE COVERS ON THE 42-INCH RCP NAVY DRIVE SEWER PROVIDE GAS, WATER, STEAM-TIGHT FRAMES, SOLID LIDS AND INNER LIDS NEENAH MODEL R-17576 OR EQUAL.

410 MANHOLE FRAME AND COVER
TYP

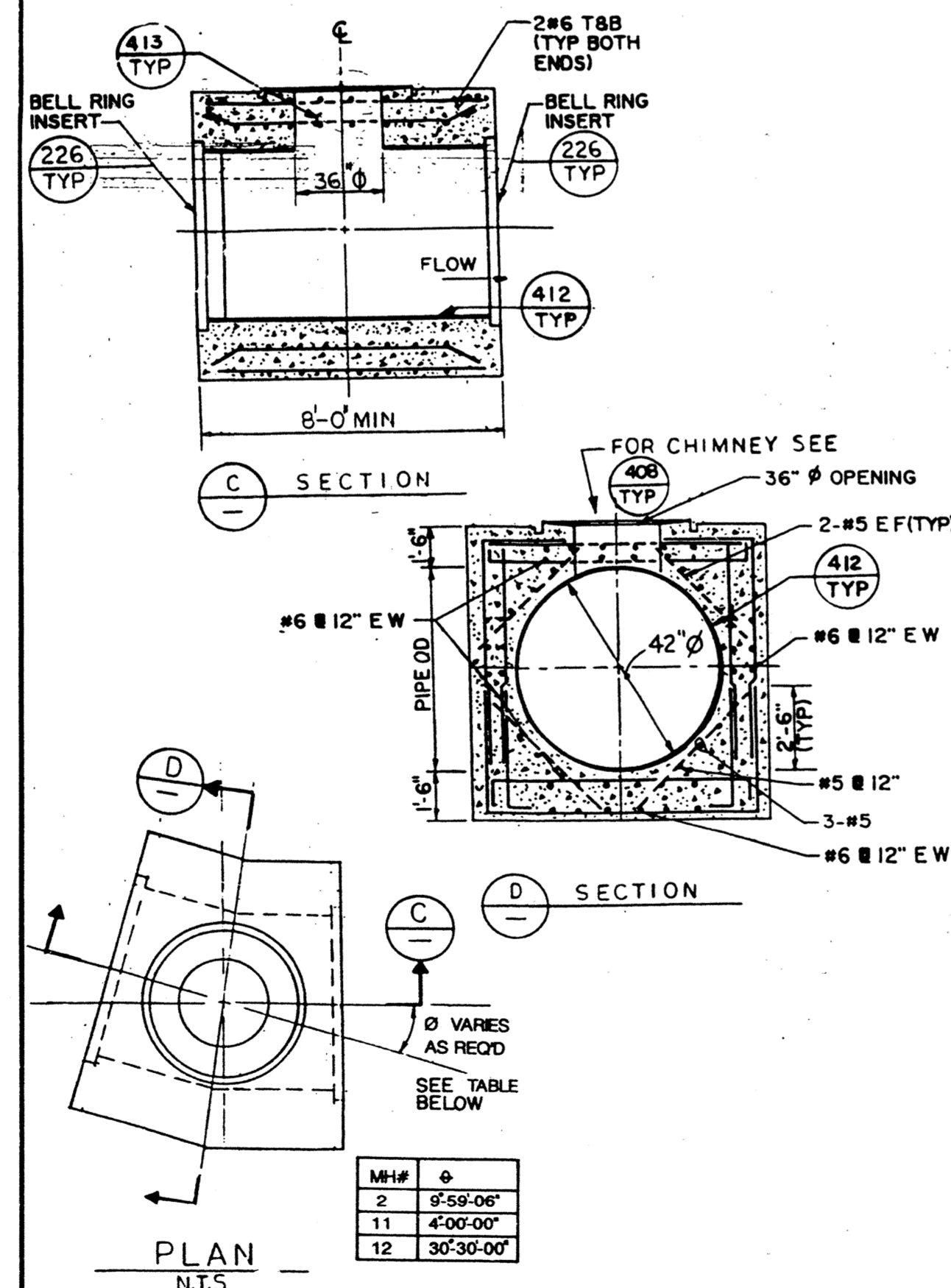


412 PLASTIC LINING FOR CONCRETE SURFACE
TYP

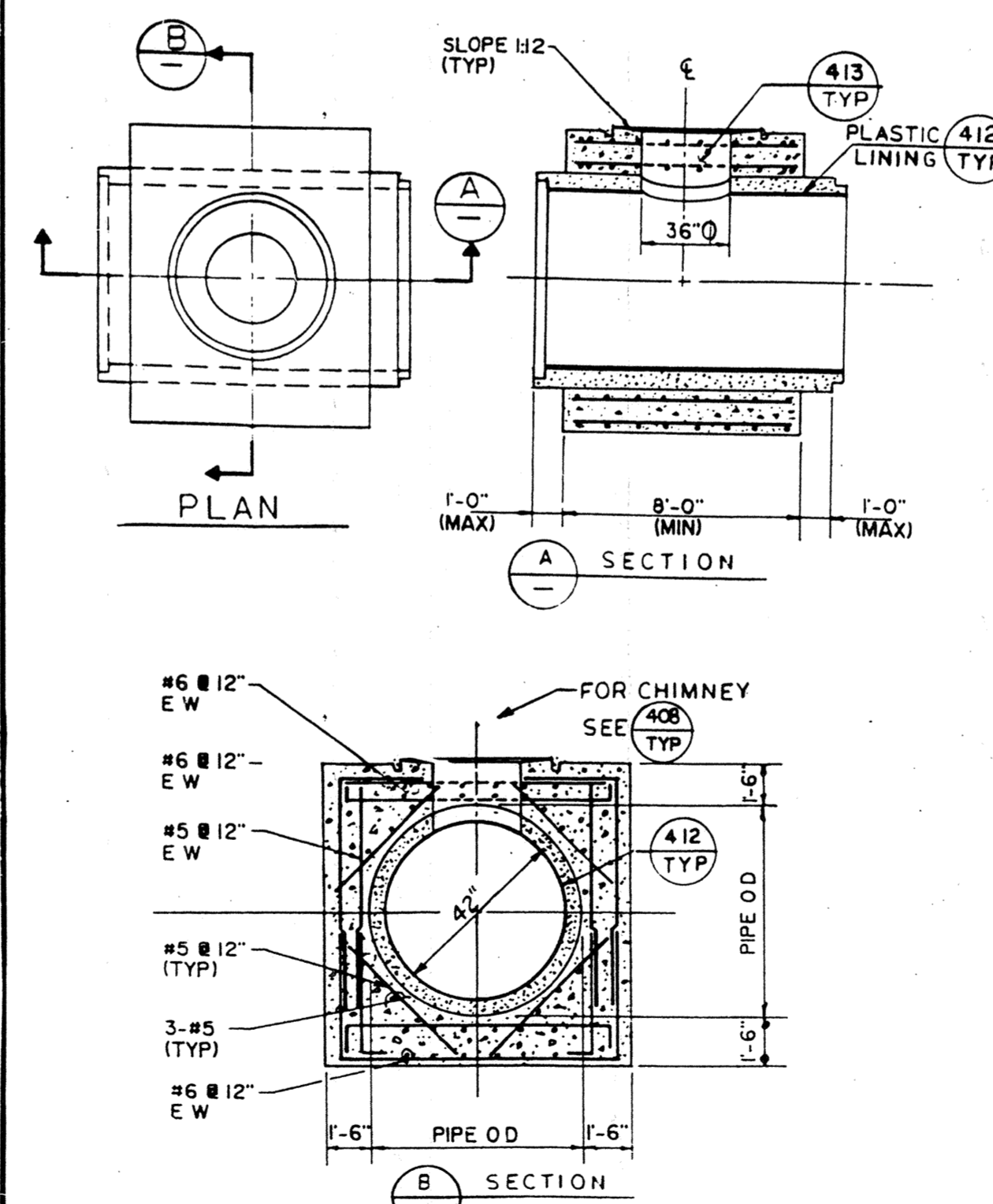


NOTES:
1. WELD CIRCUMFERENTIAL REINFORCING TO PLATES WITH FULL PENETRATION WELD.

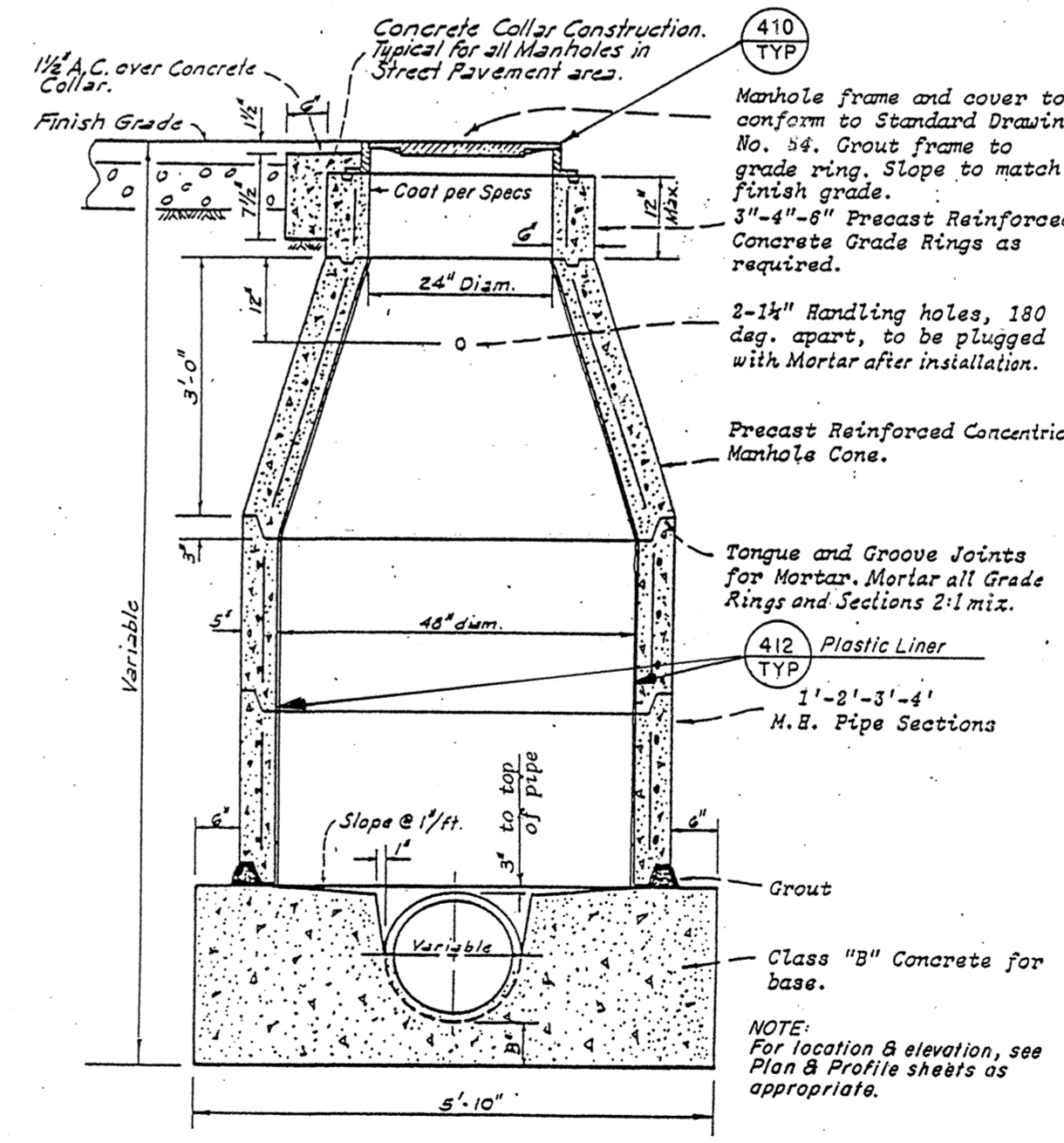
413 MANHOLE OPENING
TYP



414 MANHOLE TYPE "A"
TYP



415 MANHOLE TYPE "B"
TYP



411 TYPE D MANHOLE FOR PIPES 33" DIAMETER OR SMALLER
TYP

RECORD DRAWING

THIS RECORD DRAWING HAS BEEN PREPARED BASED UPON THE INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: NTS	APPROVED BY: R.P.W.	DATE: 1/6/97	DRAWING NO. T-8
DESIGNED: TFT/BEH	DRAWN: CE		SHEET NO. 41 OF 100
CHECKED: DJ	AS BUILT BY: PG		JOB NO. 3385D.10

4006.40Ca

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER

PARTNER

CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER

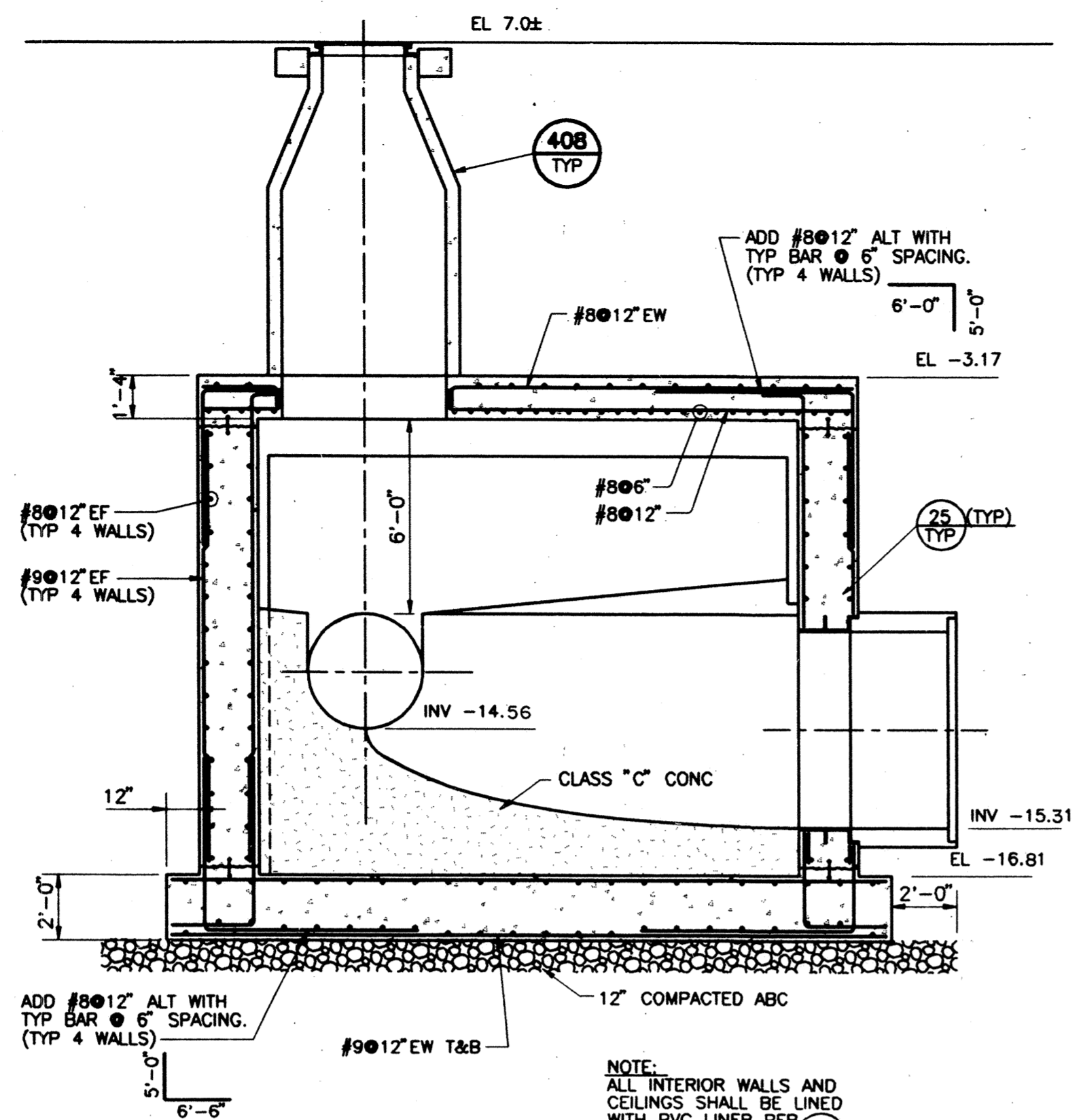
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DATE 1/17/97

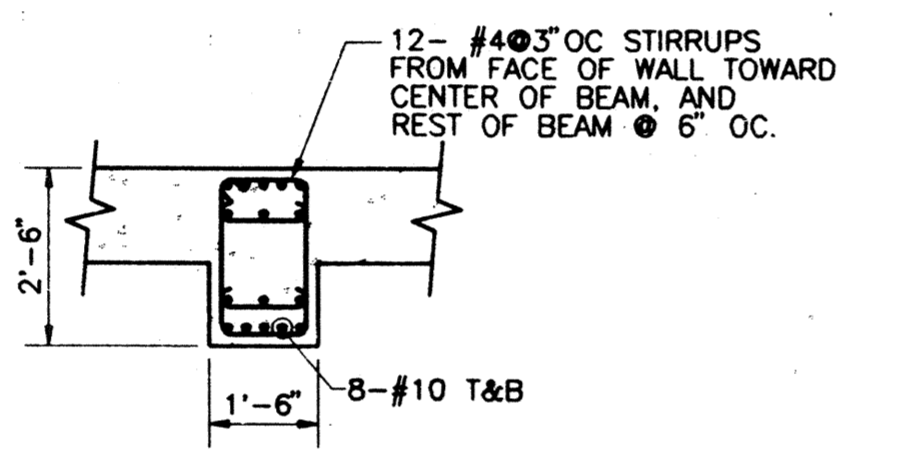
CITY OF CALIFORNIA

CAROLLO engineers

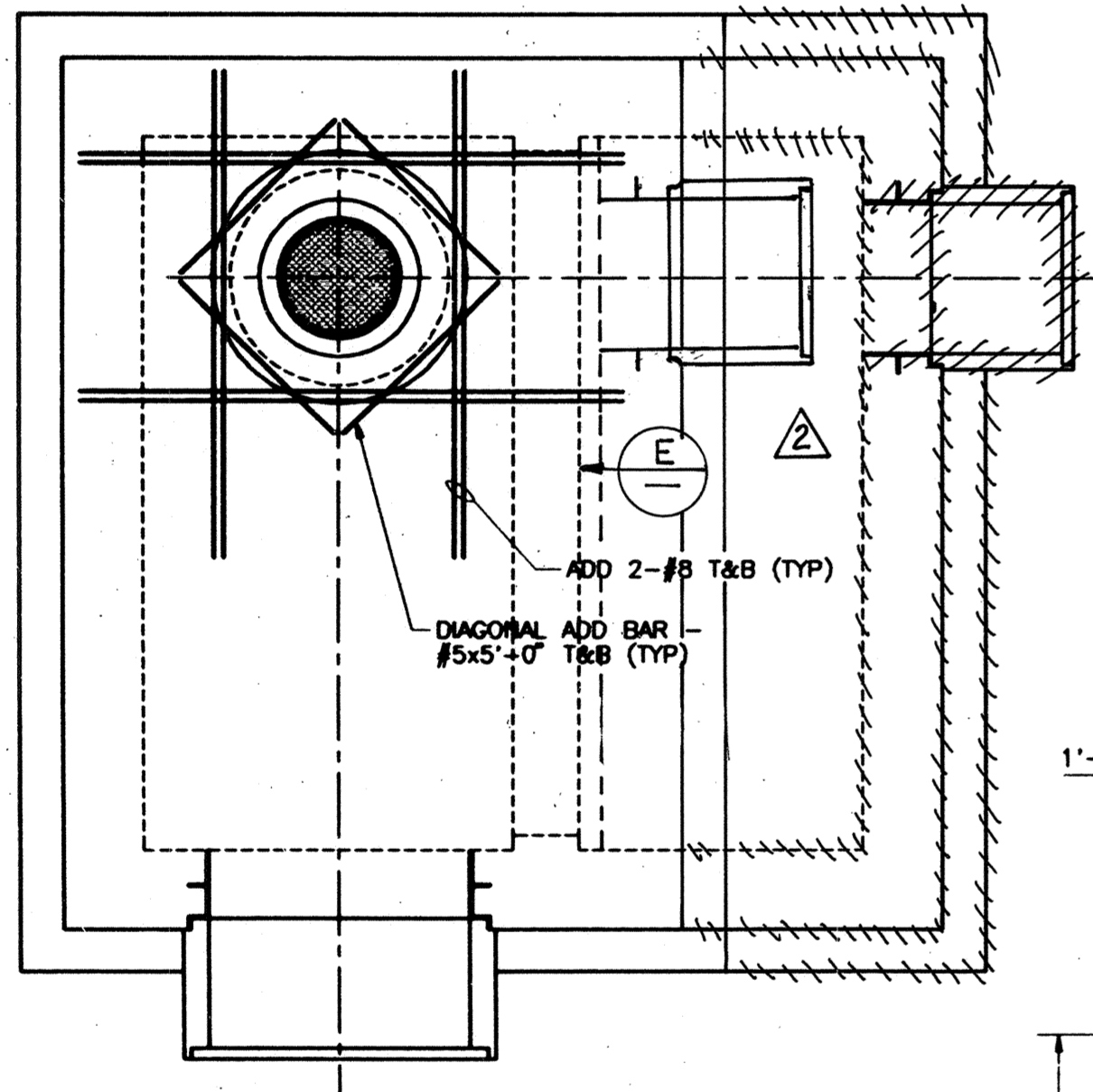
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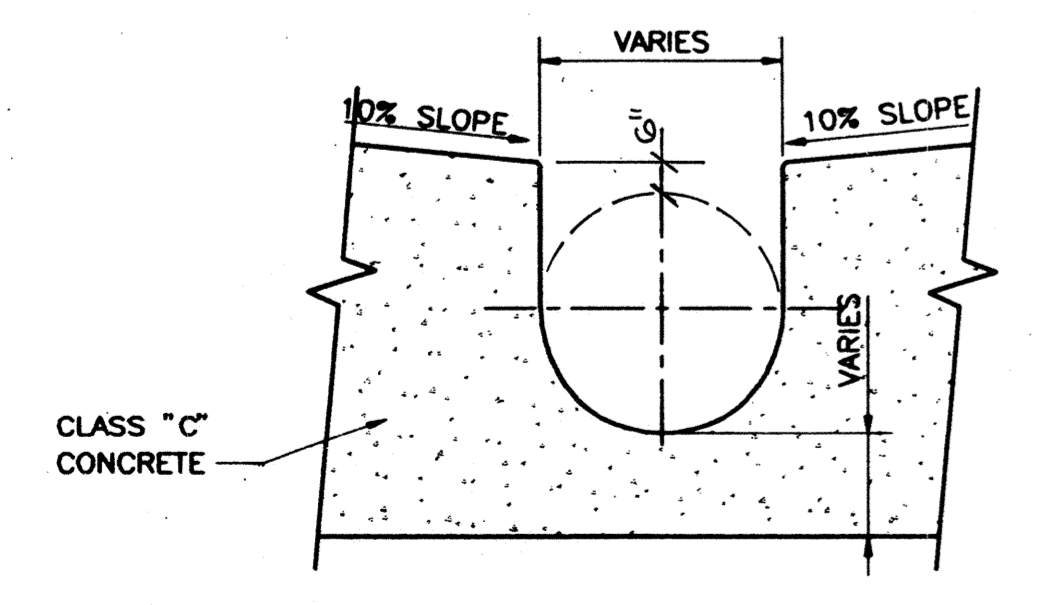
C SECTION
1/4" = 1'-0"
WTSW904



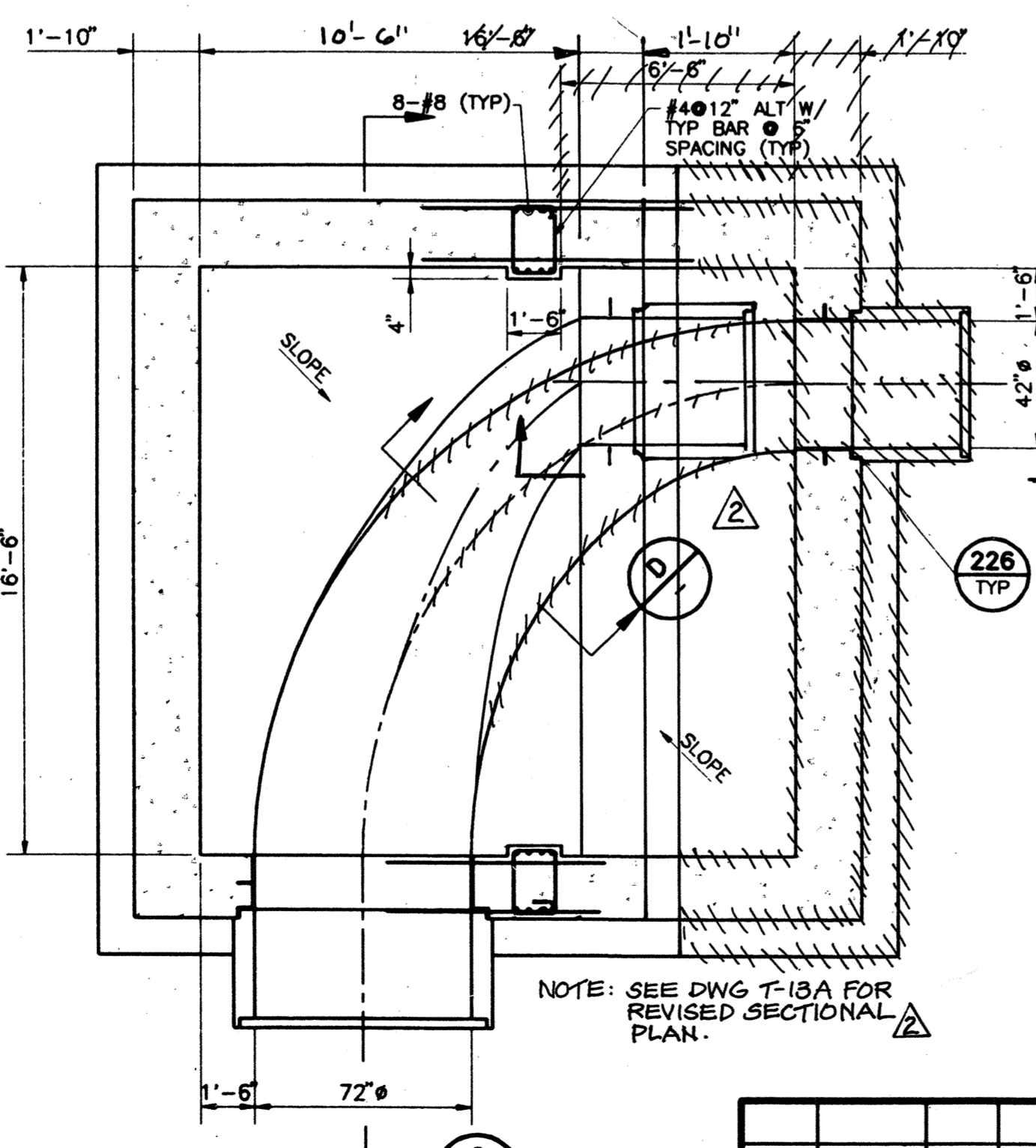
E BEAM DETAIL
3/8" = 1'-0"
WTSW905



B TOP PLAN
1/4" = 1'-0"
WTSW903



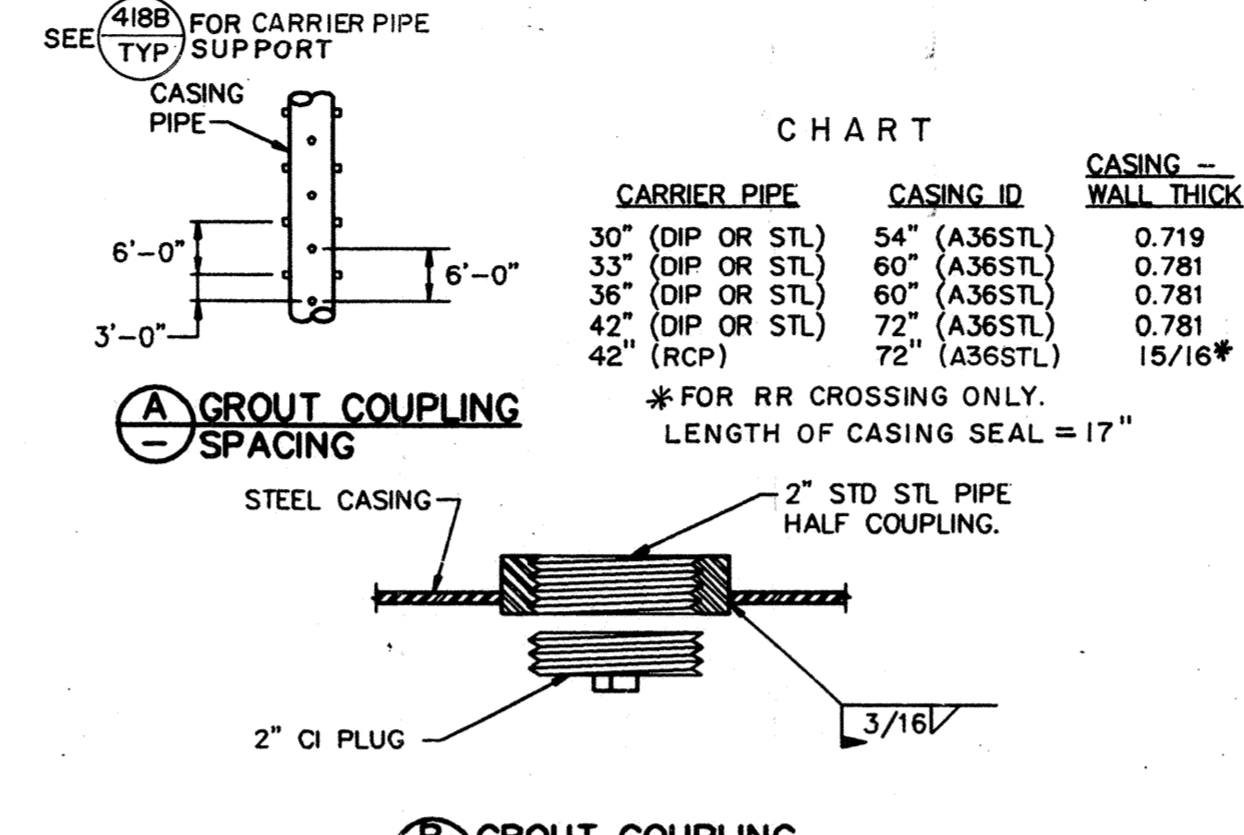
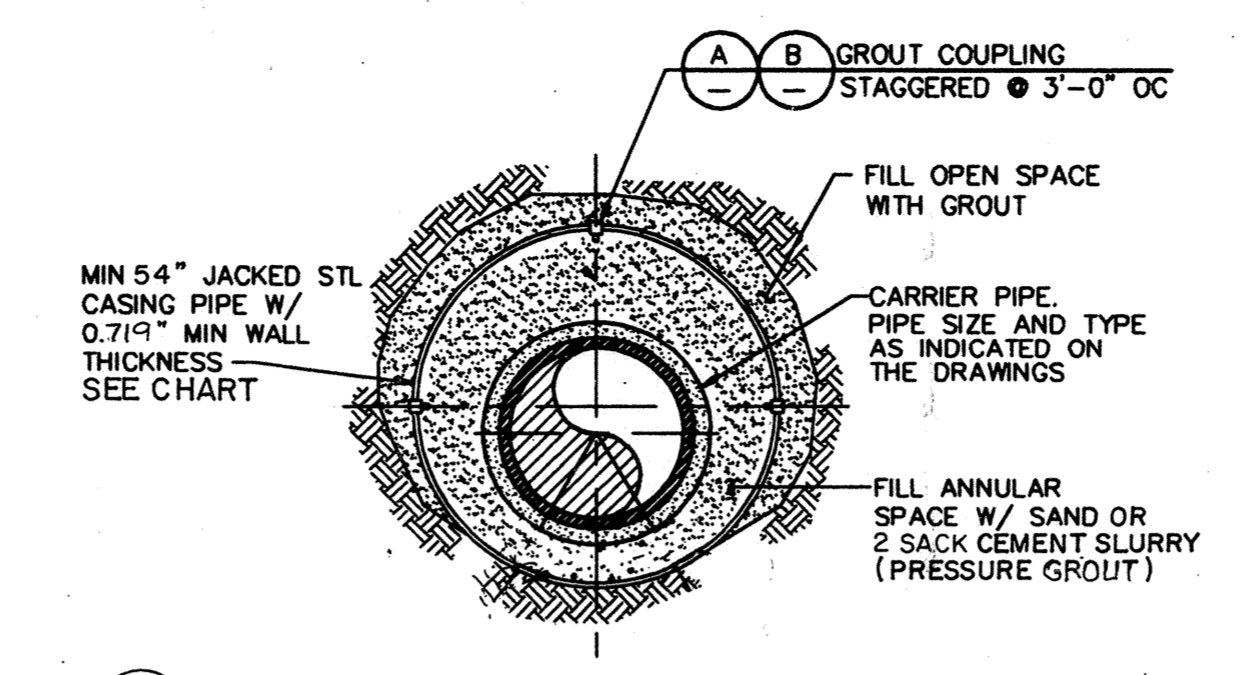
D FLOOR CHANNELIZATION
1/4" = 1'-0"
WTSW906



A SECTIONAL PLAN
1/4" = 1'-0"
WTSW902

416 MANHOLE TYPE "C"
TYP

NOTE: MANHOLE NO. 1 IS SHOWN. MANHOLE NO. 3 INLET & OUTLET ARE BOTH 42".



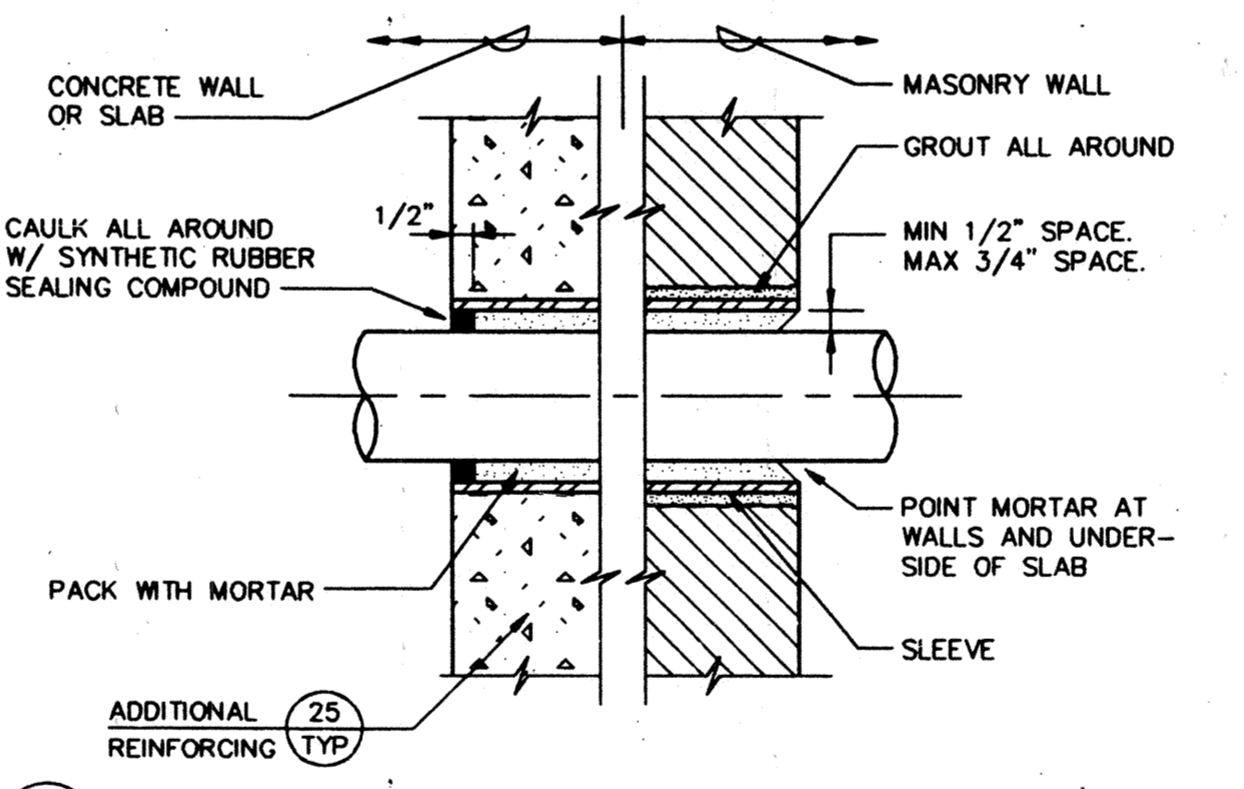
418 PIPE IN JACKED STEEL CASING
8-28-94
TYP

NOTE: CARRIER PIPE WITHIN STEEL SLEEVE SHALL BE INSTALLED WITH RESTRAINED JOINTS FOR C-303, C-200 AND DUCTILE IRON PIPE.

CHART

CARRIER PIPE	CASING ID	CASING WALL THICK
30" (DIP OR STL)	54" (A36STL)	0.719
33" (DIP OR STL)	60" (A36STL)	0.781
36" (DIP OR STL)	60" (A36STL)	0.781
42" (DIP OR STL)	72" (A36STL)	0.781
42" (RCP)	72" (A36STL)	15/16"

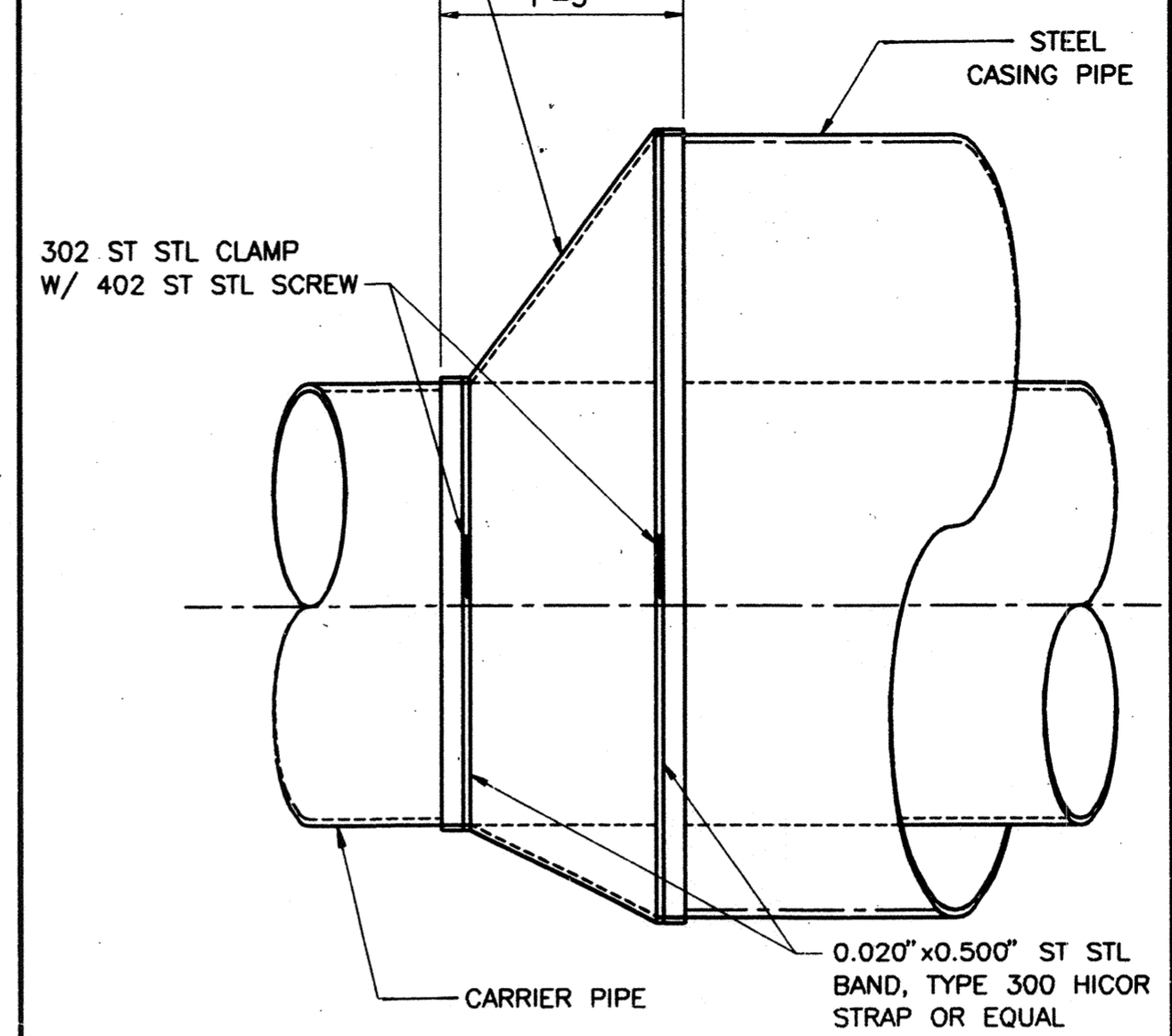
*FOR RR CROSSING ONLY. LENGTH OF CASING SEAL = 17"



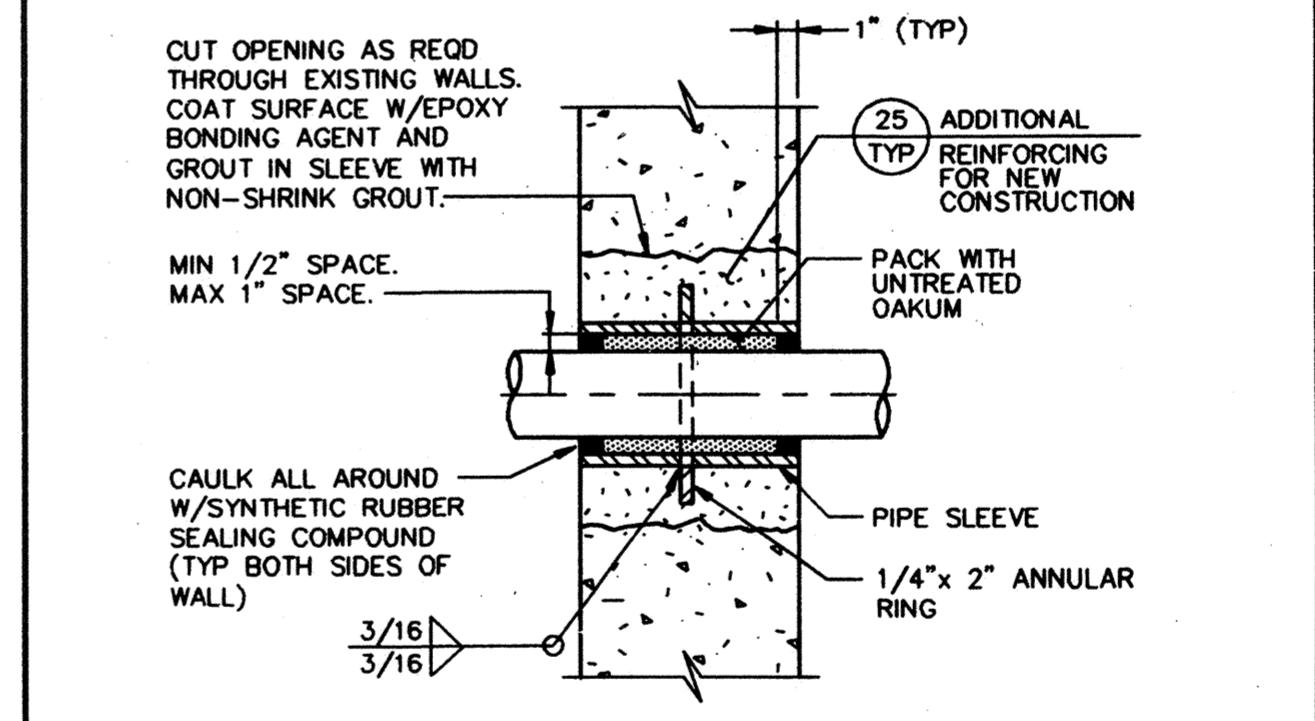
- NOTES:
- 6" DIA SLEEVES AND SMALLER SHALL BE SCHEDULE 40 STEEL PIPE OR SCHEDULE 80 PVC PIPE.
 - SLEEVES LARGER THAN 6" SHALL BE 1/4" THICK STEEL PIPE.
 - STEEL SLEEVE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.
 - SLEEVES FOR ELECTRICAL CONDUIT SHALL BE SCHEDULE 80 PVC.

424 SLEEVE - INSTALLATION THROUGH DRY WALLS AND FLOOR SLABS
TYP

1/8" THICK ETHYLENE PROPYLENE DUROMETER 65-75 END SEAL PACIFIC PIPELINE PRODUCTS STANDARD PULL-ON MODEL S OR EQUAL

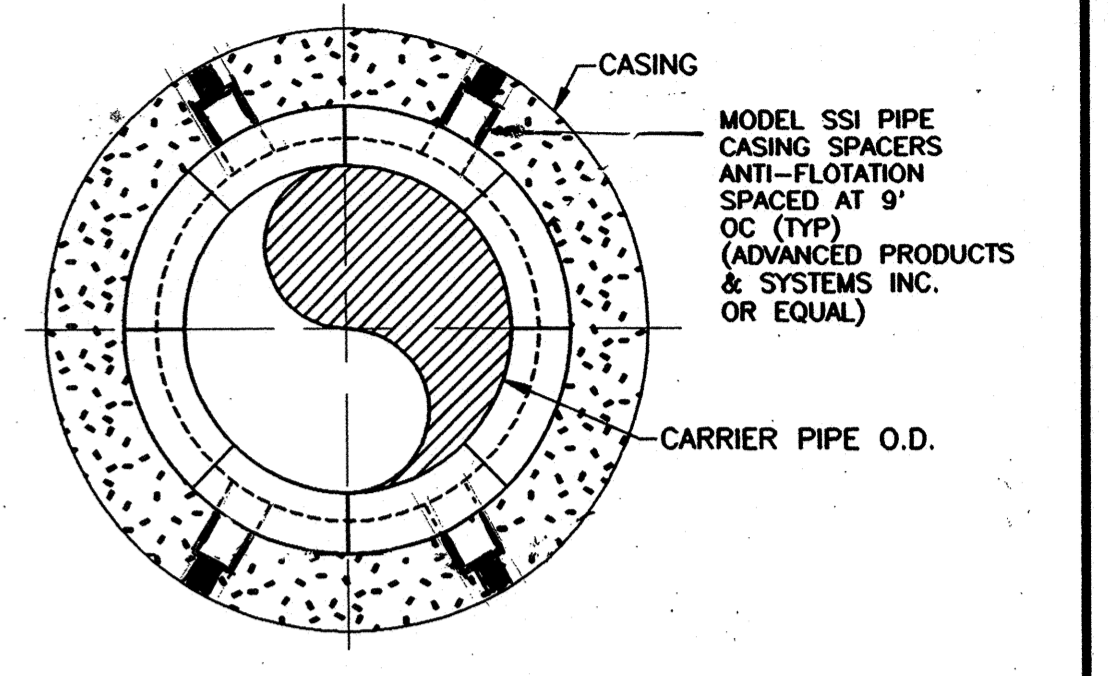


418A CASING SEAL
TYP
WTSW907

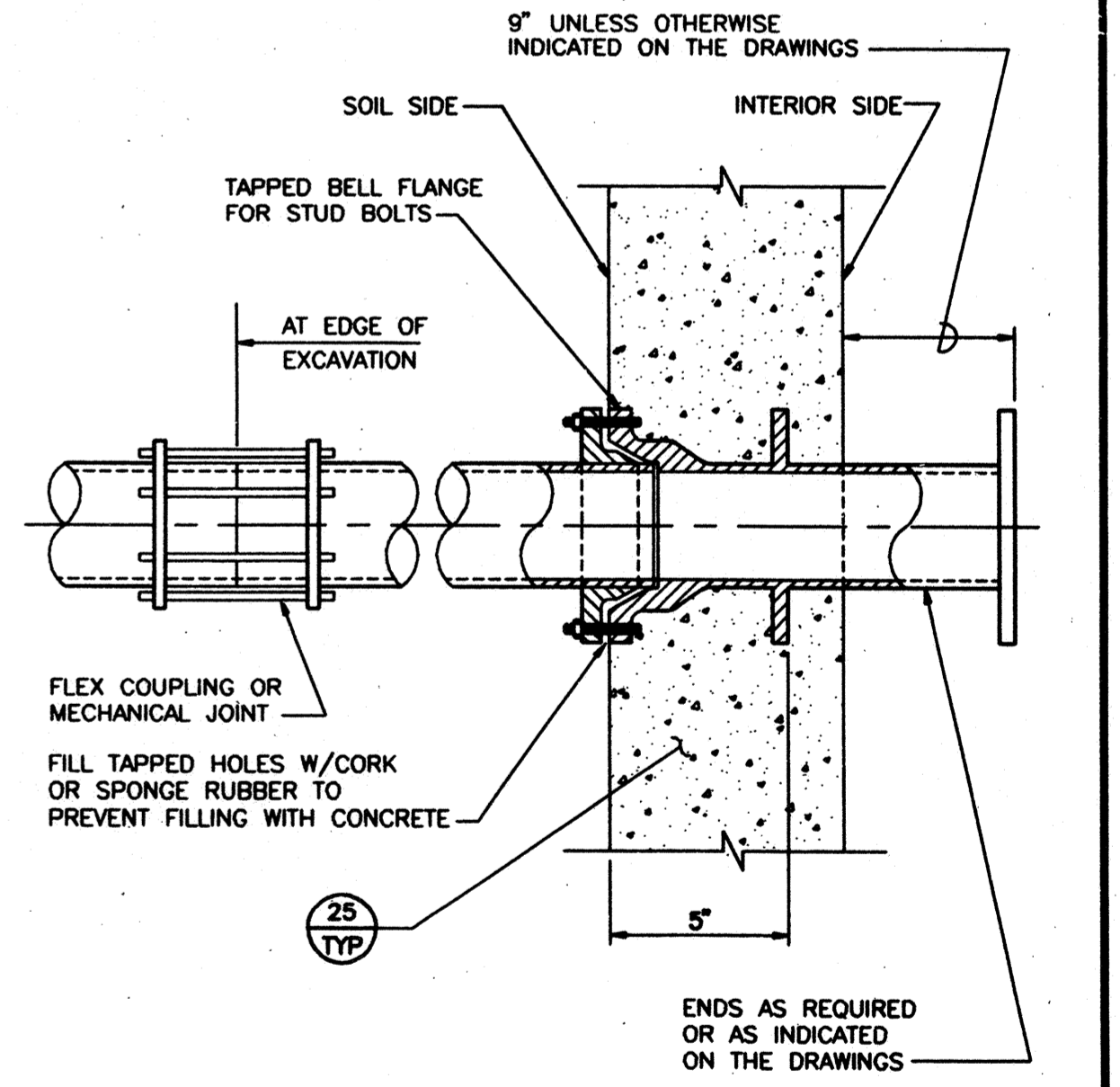


- NOTES:
- FOR NEW CONSTRUCTION, SLEEVES SHALL BE CAST INTO WALL BLOCKOUTS AND SUBSEQUENT GROUTING IN SLEEVES WILL NOT BE PERMITTED UNLESS A KEYED WATERSTOP JOINT IS PROVIDED.
 - 6" SLEEVES AND SMALLER SHALL BE SCH 40 STL PIPE.
 - SLEEVES LARGER THAN 6" SHALL BE 1/4" THICK STL PIPE.
 - NEOPRENE LINK SEAL W/STL BOLTS MAY BE SUBSTITUTED FOR OAKUM & SYNTHETIC RUBBER SEAL. IF LINK SEALS ARE USED IN WALLS THICKER THAN 12", LINK SEAL SHALL BE INSTALLED AT BOTH ENDS OF WALL SLEEVE. SLEEVE DIAMETER SHALL BE PER LINK SEAL MANUFACTURER'S RECOMMENDATION.
 - SLEEVE SHALL BE HOT-DIP GALVANIZED AFTER FABRICATION.

425 SLEEVE - INSTALLATION THROUGH WALLS AND FLOOR SLABS
TYP



418B PIPE IN JACKED STEEL CASING
TYP



428 STANDARD WALL PIPE RECORD DRAWING
TYP

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

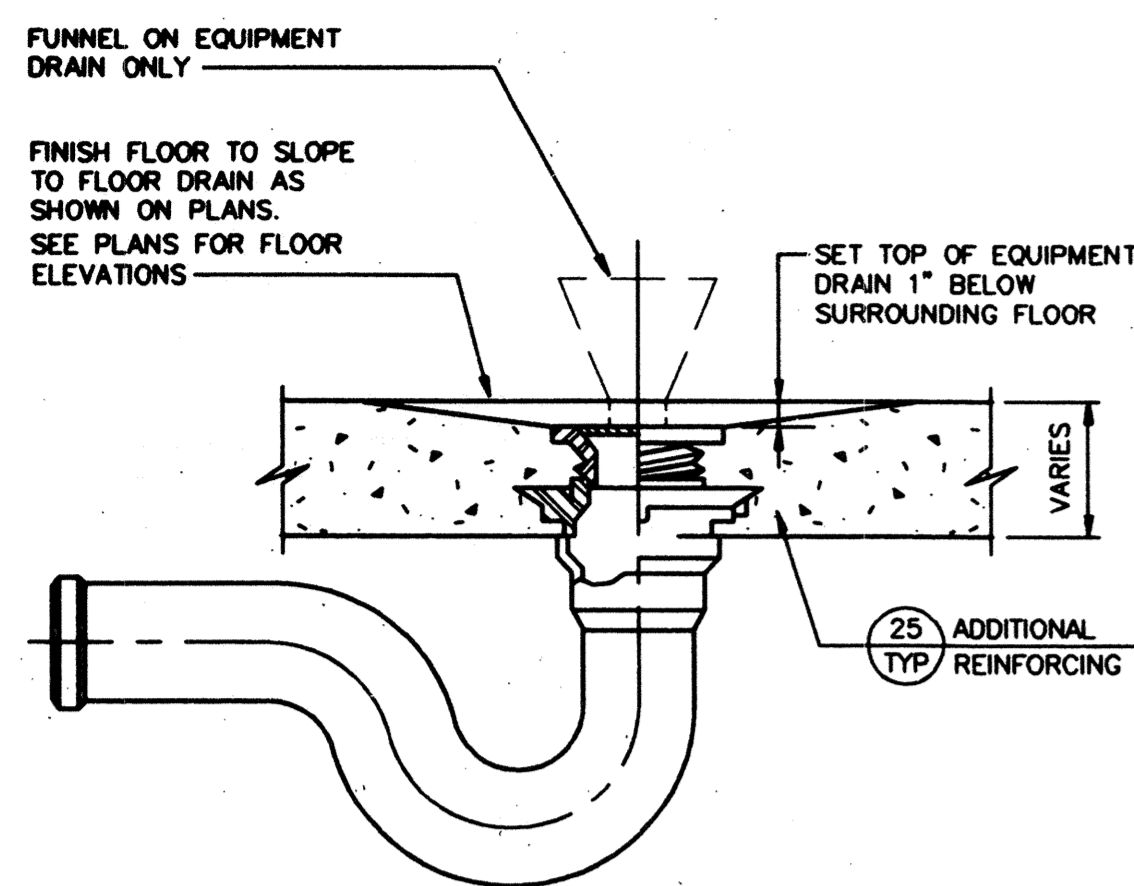
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DESIGNED: TFT/BEH	CHECKED: DJ	AS BUILT BY: PC	SHEET NO. 42 OF 100
CITY ENGINEER STOCKTON, CALIF.			JOB NO. 3385D.10

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING
5/97	BEH		REVISED 418 AND ADDED 418 TYPICALS

DISCIPLINE ENGINEER
PROJECT ENGINEER
PARTNER

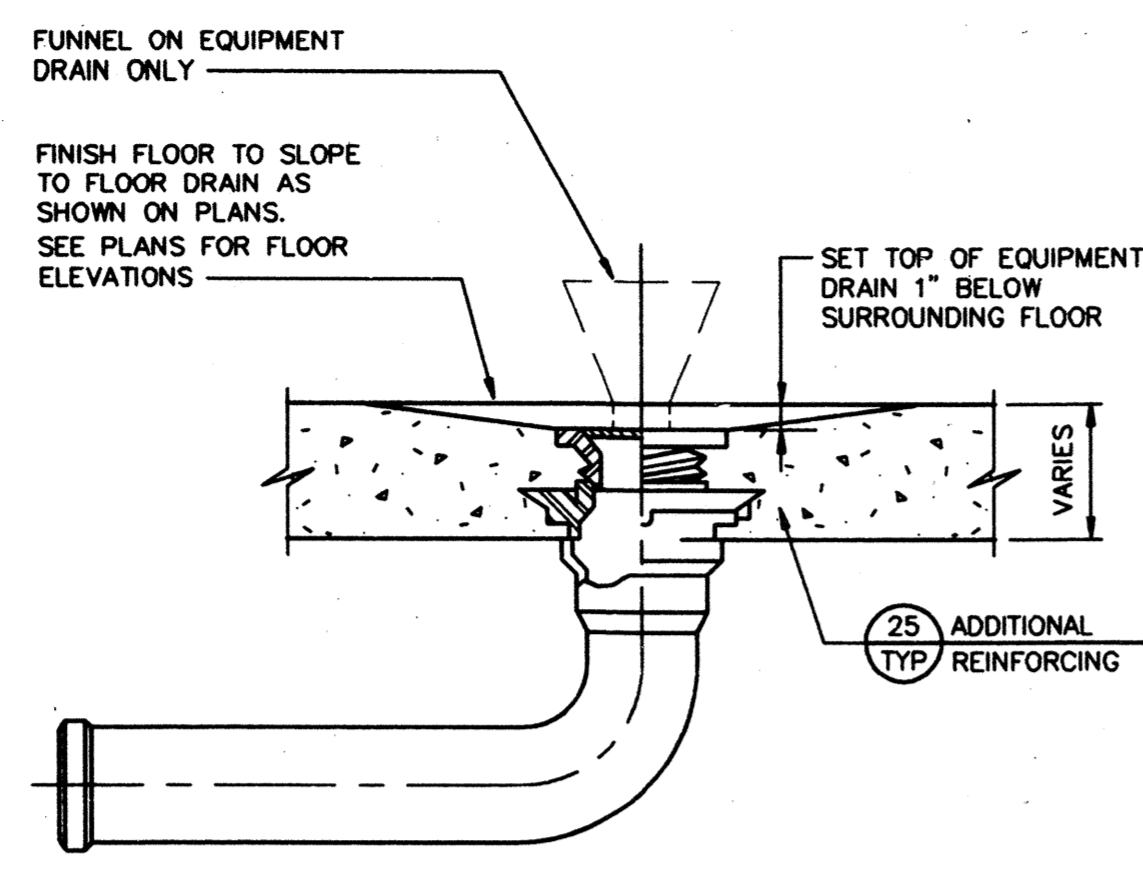
PROFESSIONAL ENGINEER
No. C20240
Exp. 6/30/97
CIVIL
STATE OF CALIFORNIA

carollo engineers



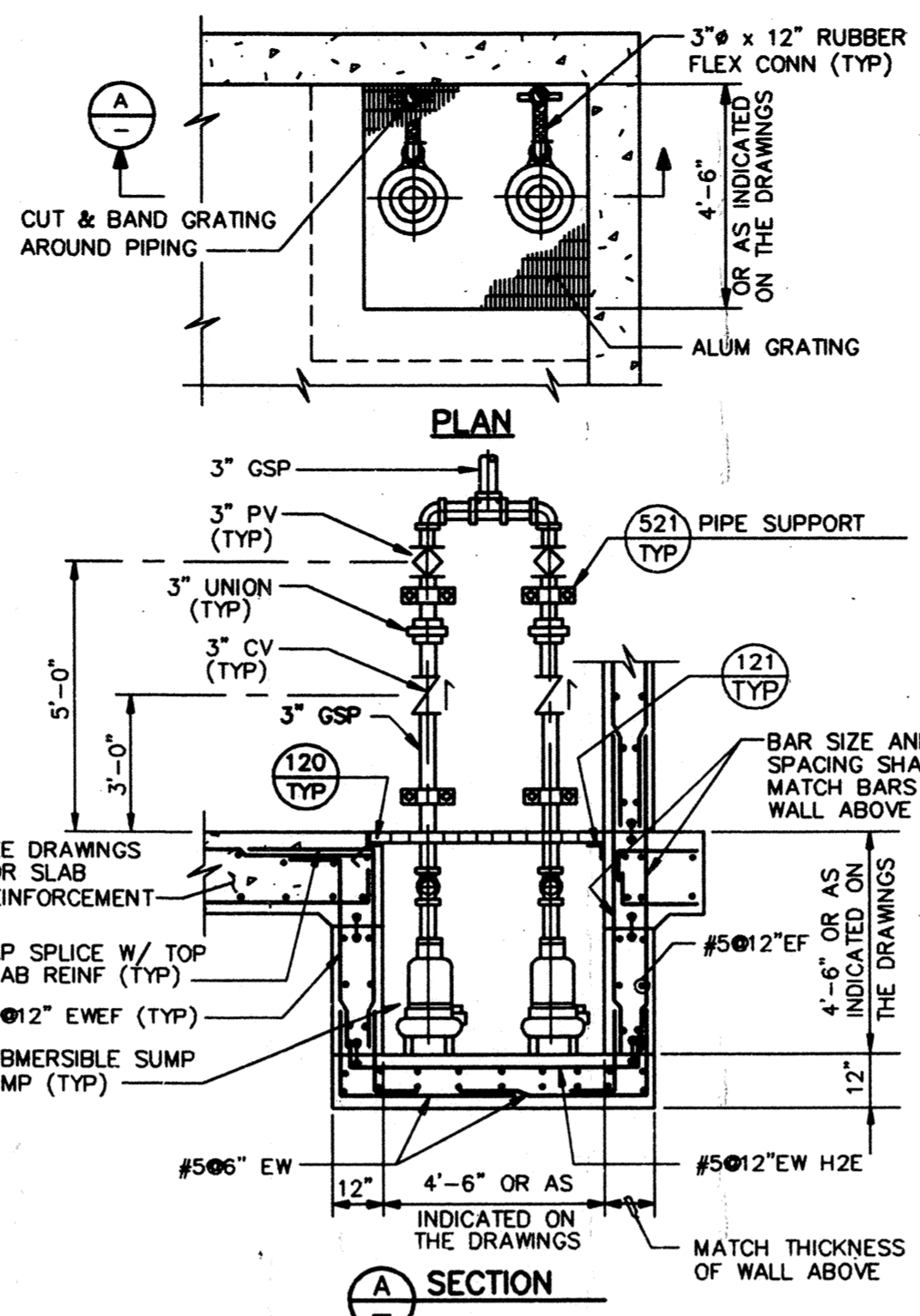
NOTE:
1. PROVIDE 12" RADIUS SLOPE TO EQUIPMENT DRAINS WHERE FLOOR DOES NOT SLOPE TO DRAIN.

441 FLOOR DRAIN (FD) OR EQUIPMENT DRAIN (ED) TYP

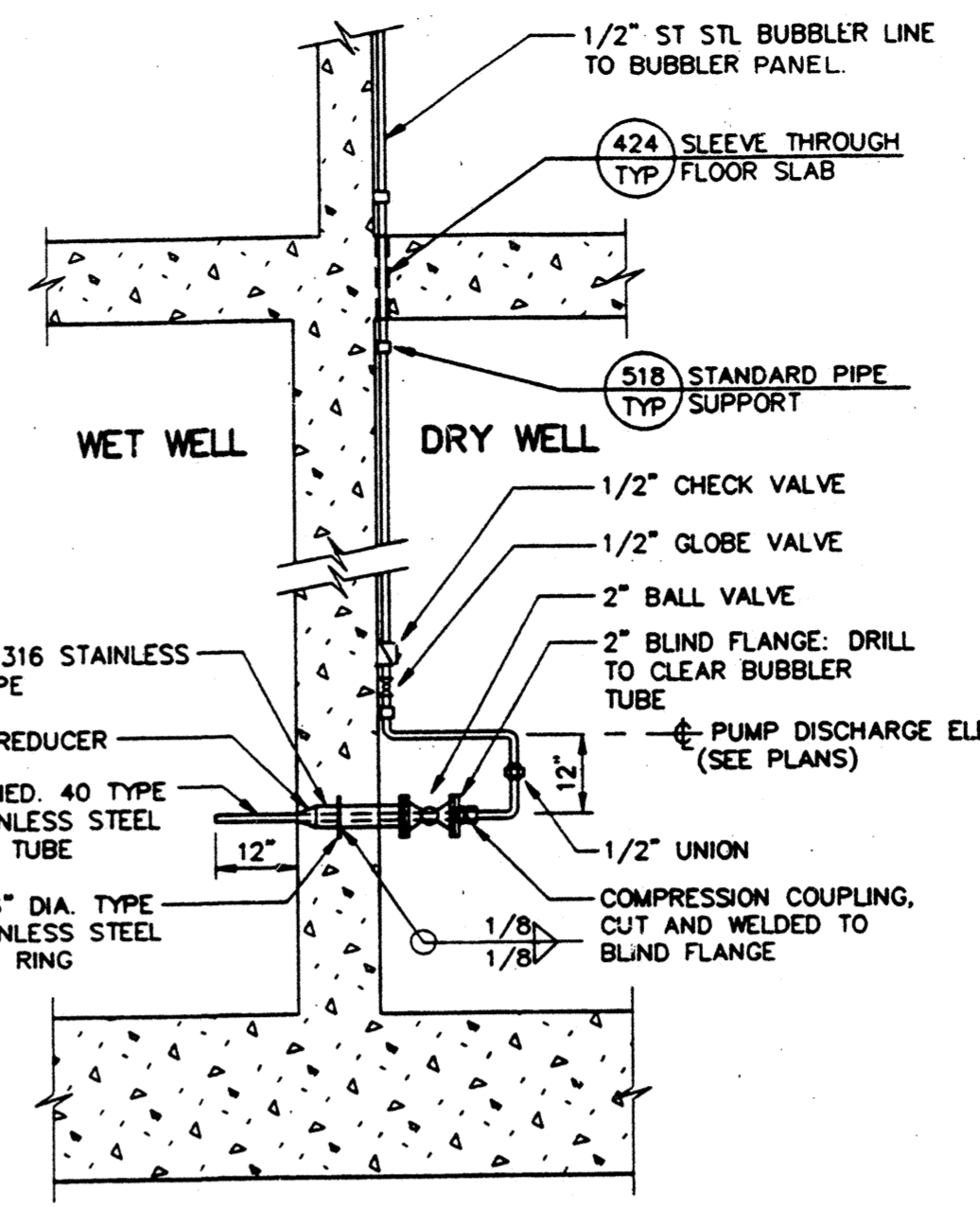


NOTE:
1. PROVIDE 12" RADIUS SLOPE TO EQUIPMENT DRAINS WHERE FLOOR DOES NOT SLOPE TO DRAIN.

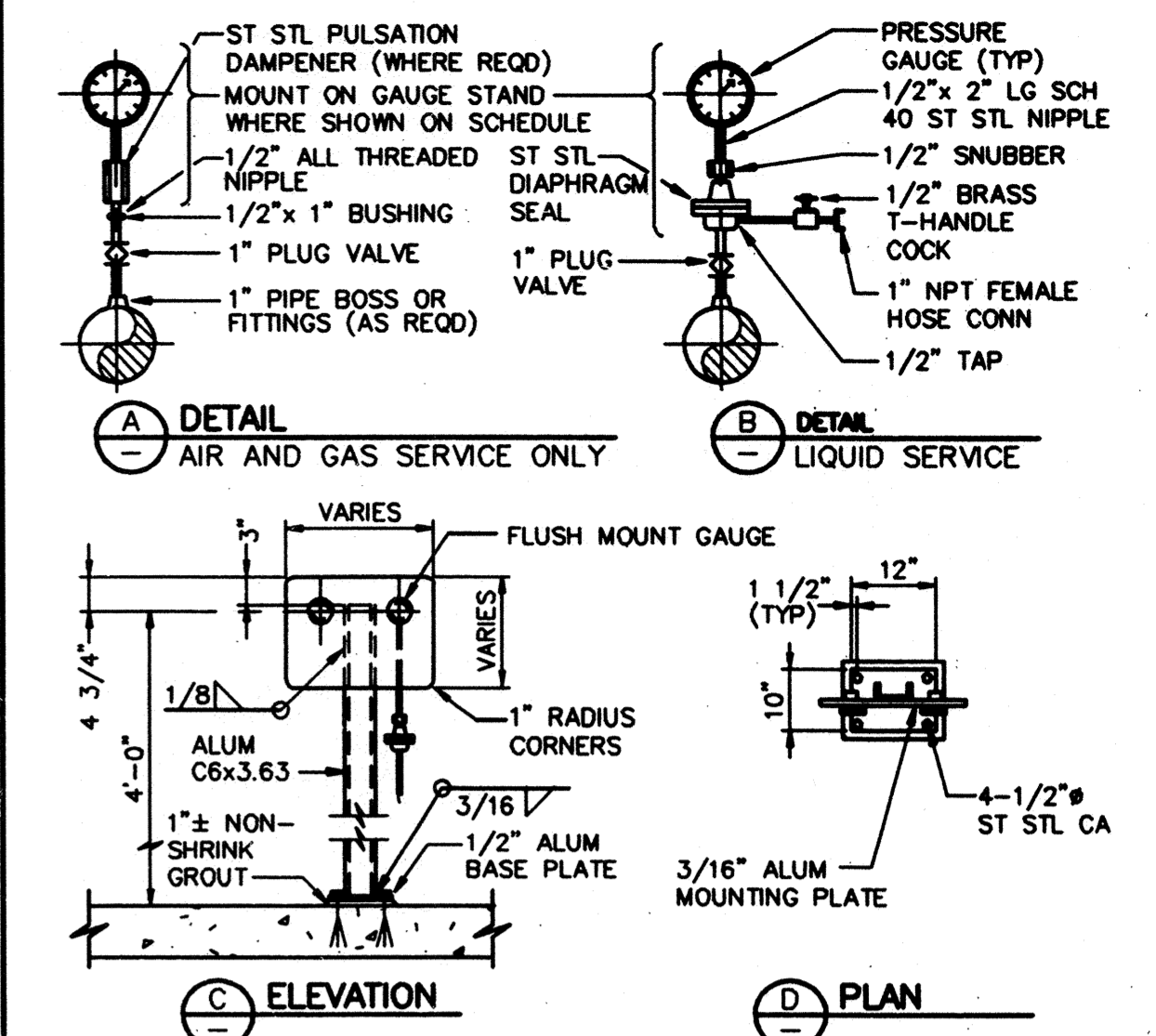
442 FLOOR DRAIN (FD) OR EQUIPMENT DRAIN (ED) TYP



467 DUPLEX SUBMERSIBLE SUMP PUMP TYP

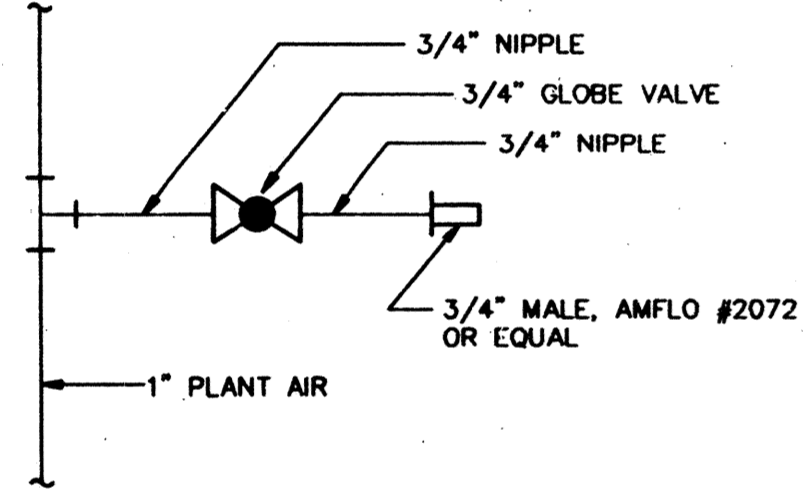


469 BUBBLER PIPING TYP

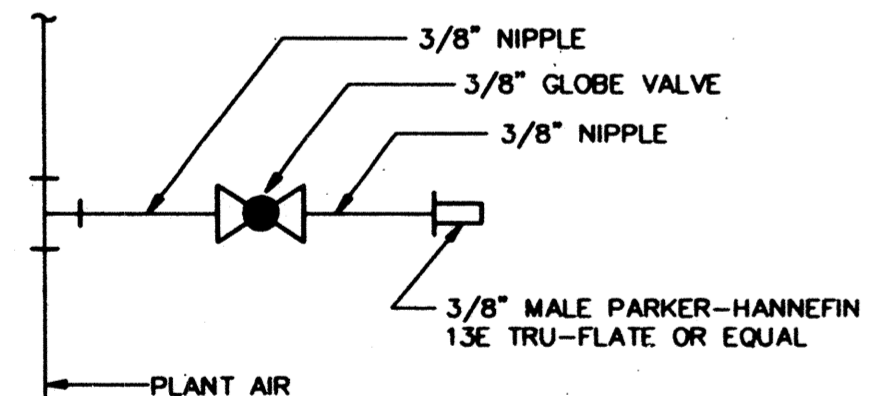


NOTES:
1. ALL GAUGES SHALL BE DUAL SCALE. SCALES ON THE GAUGE FACE SHALL BE MARKED IN PSIG AND FEET OF WATER (FOR POSITIVE READINGS) OR INCHES OF MERCURY (FOR VACUUM READINGS).
2. MOUNTING PLATE DIMENSIONS VARY ACCORDING TO SIZE AND NUMBER OF GAUGES REQUIRED.
3. AT GAUGE STAND, DIAPHRAGM SHALL BE LOCATED BELOW THE MOUNTING PLATE. ONE INCH PIPE SHALL BE ROUTED BETWEEN DIAPHRAGM AND SERVICE PIPE PLUG VALVE. GROSSES WITH THREADED PLUGS SHALL BE USED IN LIEU OF 90° ELBOWS, WITH AT LEAST ONE UNION PER CROSS.
4. COAT ALUMINUM IN CONTACT WITH CONCRETE PER SPECIFICATIONS.

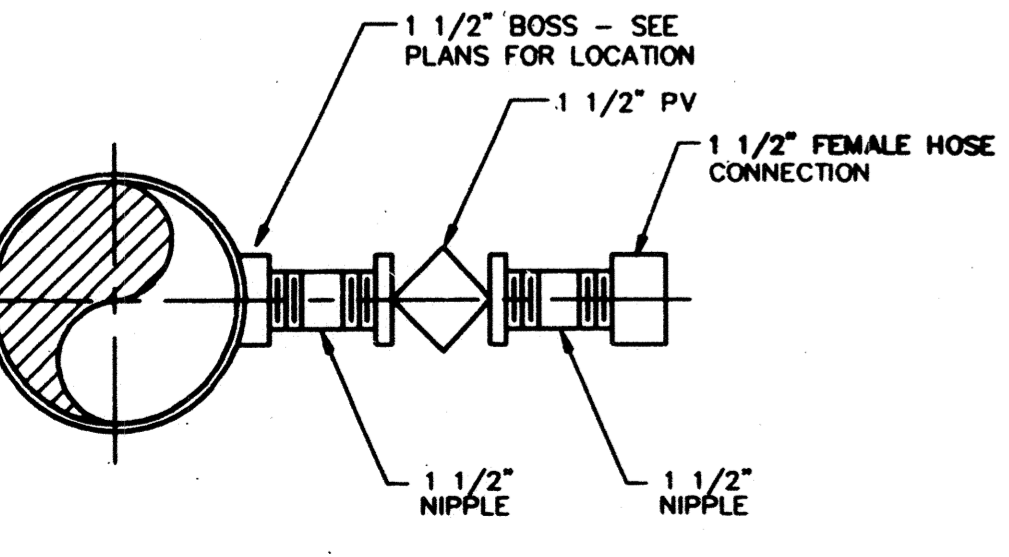
480 PRESSURE GAUGE DETAIL TYP



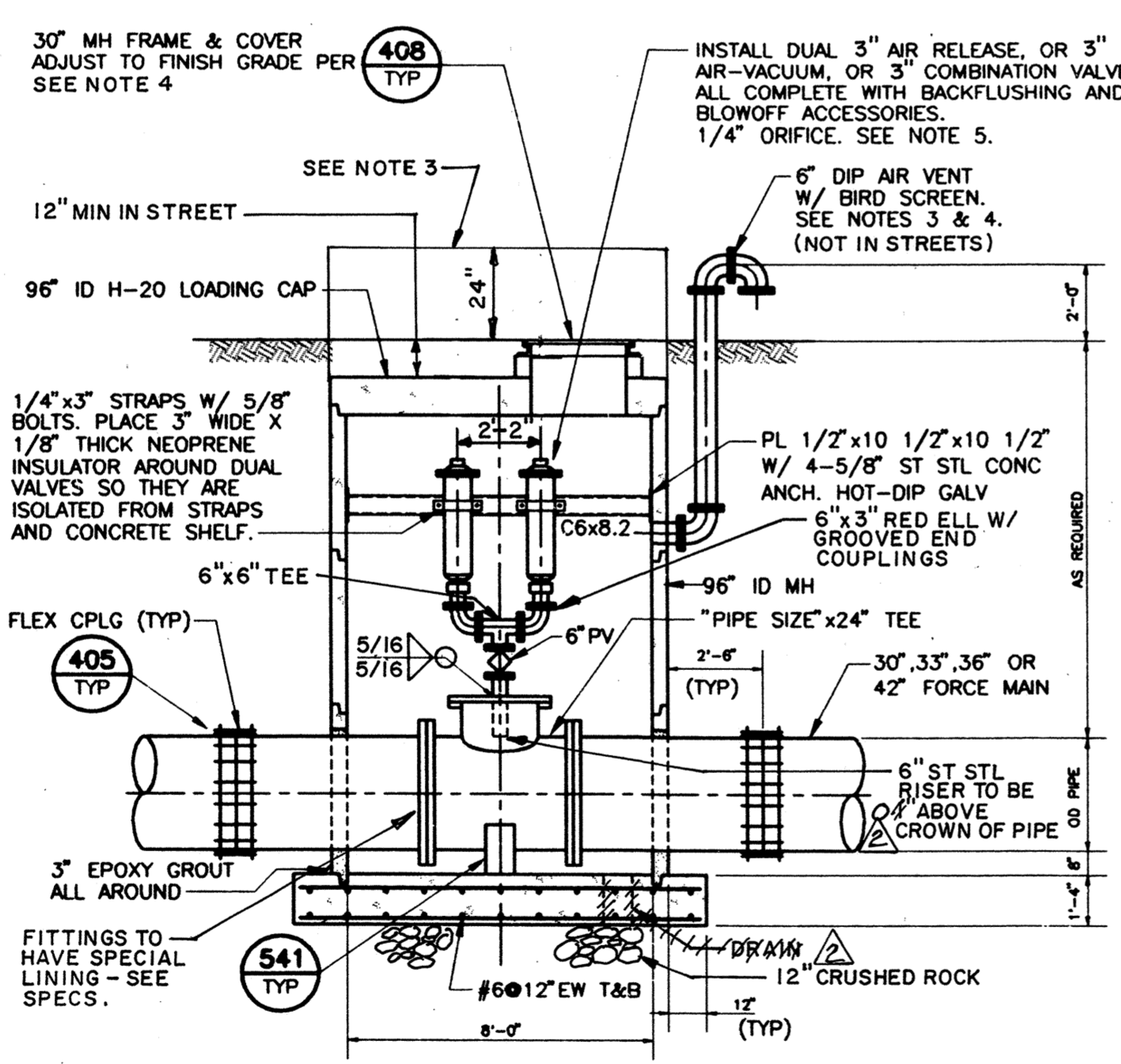
474 AIR HOSE CONNECTOR TYP



475 AIR TOOL CONNECTOR TYP

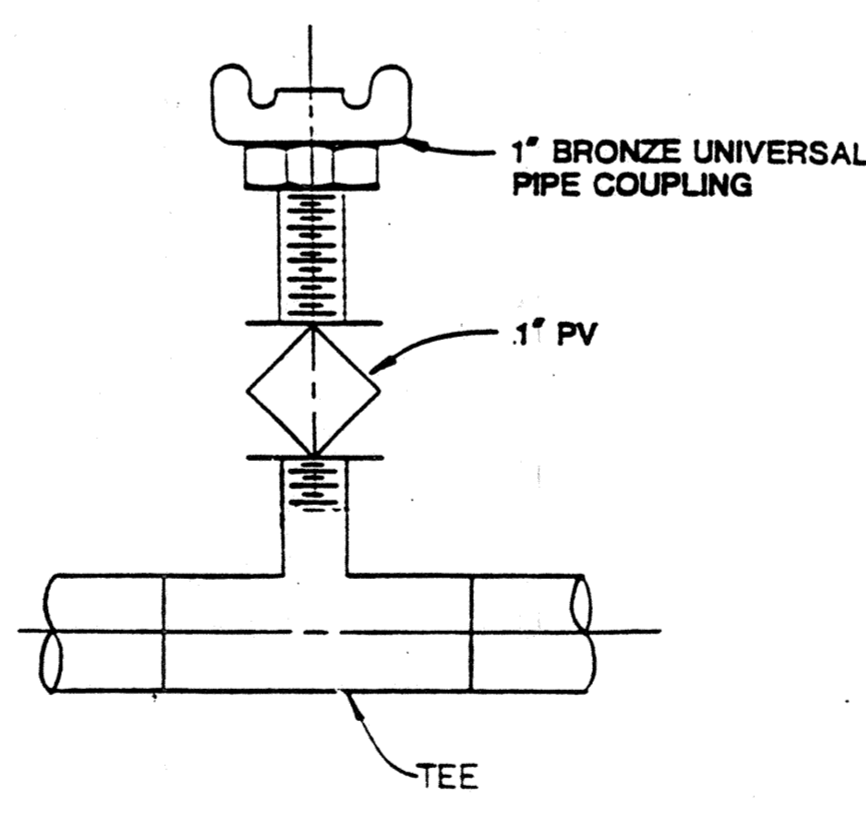


477 FLUSHING CONNECTION TYP



NOTES:
1. SEE PLAN FOR VALVE TYPE AND LOCATION.
2. ALL PIPING AND TRIM SHALL BE STAINLESS STEEL FOR 6\"/>

479 AIR RELEASE OR AIR-VACUUM VALVE ASSEMBLY TYP WTS901

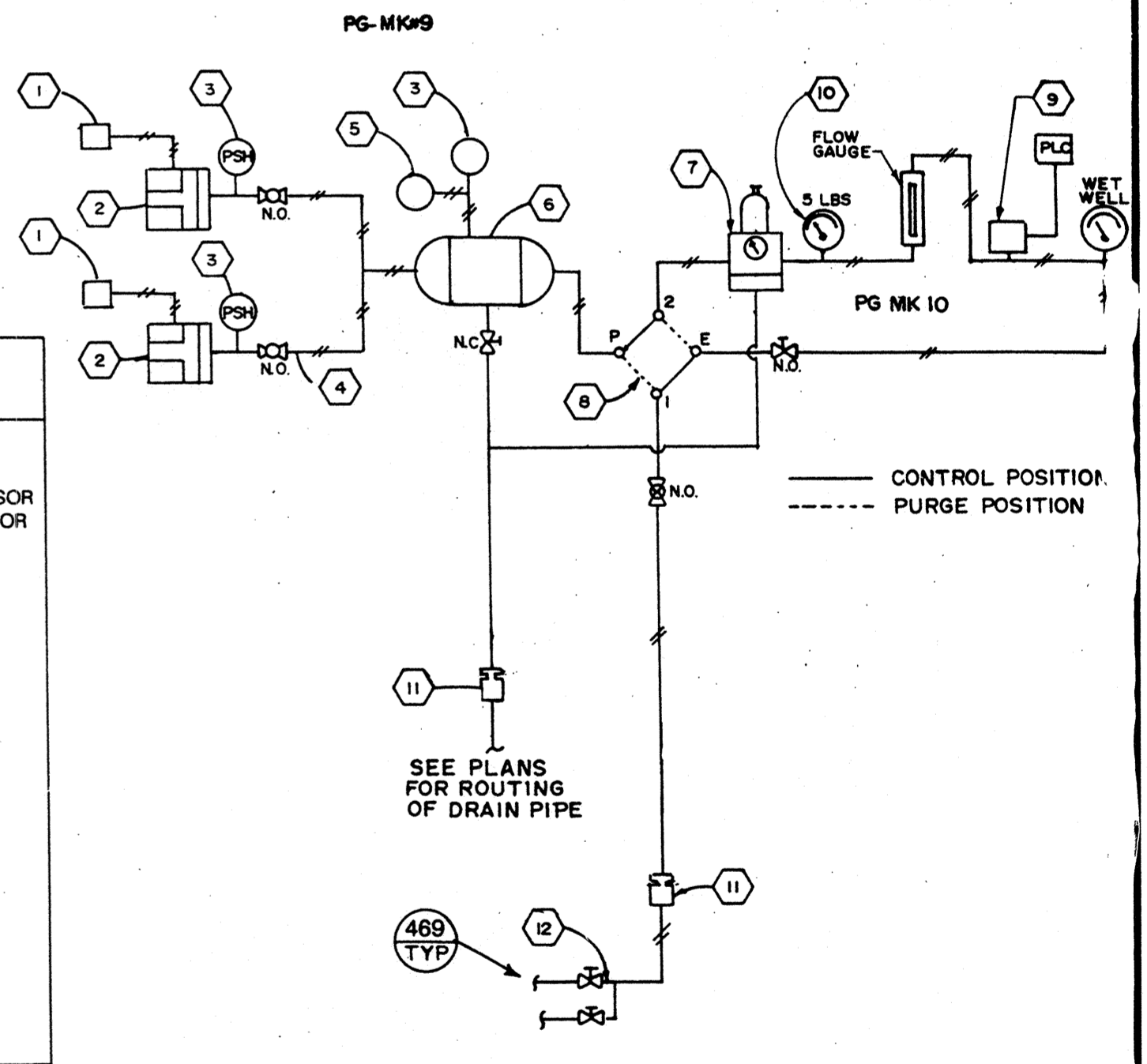


482 PRESSURE GAUGE TAP TYP

ITEM NO. (1)	DESCRIPTION	NOTES
1	INLET FILTER MUFFLER	MOUNTED ON COMPRESSOR
2	AIR COMPRESSOR	LOW PRESSURE STARTS COMPRESSOR
3	PRESSURE SWITCH (3)	HIGH PRESSURE STOPS COMPRESSOR
4	316 ST STL TUBING	NOTE - 2
5	PRESSURE GAUGE	0-200 PSIG
6	RECEIVER TANK	
7	PRESSURE REG. VALVE, FILTER, RELIEF VALVE W/DISCHARGE PRESS. GAUGE.	
8	4-WAY VALVE FOR SYSTEM PURGE. VALVE SHALL BE SET UP FOR AUTOMATIC OPERATION FROM PLC OUTPUT. PERIODIC PURGE FUNCTION SHALL BE PROGRAMMED INTO PLC AS DIRECTED BY CITY.	
9	TRANSDUCER INPUT TO PLC FOR VESSEL CONTROL.	
10	PRESSURE GAUGE	0-5 PSIG
11	BULKHEAD UNION	MOUNT ON PANEL DOOR
12	BUBBLER TUBING (1/2\"/>	

NOTES:
1. REFERS TO DESIGNATION NO. IN EQUIPMENT SYMBOL AS SHOWN ON SCHEMATIC.
2. PANEL TUBING FITTINGS SHALL BE 316 ST STL.
3. PRESSURE SWITCH PER MANUFACTURER'S RECOMMENDATIONS AND ENGINEER'S REVIEW.

483 BUBBLER SYSTEM SCHEMATIC WETWELL INSTALLATION TYP



LEGEND
 [Symbol] BALL VALVE
 [Symbol] GATE VALVE
 N.O. NORMALLY OPEN
 N.C. NORMALLY CLOSED
 [Symbol] EQUIPMENT DESIGNATION. SEE TABLE.
 [Symbol] AIR PIPING

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
TYPICAL DETAILS
 DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: NTS	APPROVED BY: DATE: <i>RPW</i> <i>4/1/97</i>	DRAWING NO. T-10
DESIGNED: TFT/BEH	CHECKED: DJ	SHEET NO. 43 OF 100
DRAWN: CE	AS BUILT BY: PG	JOB NO. 3385D.10

4006.42Ca

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING
5/97	BEH		REVISED TYPICAL 479

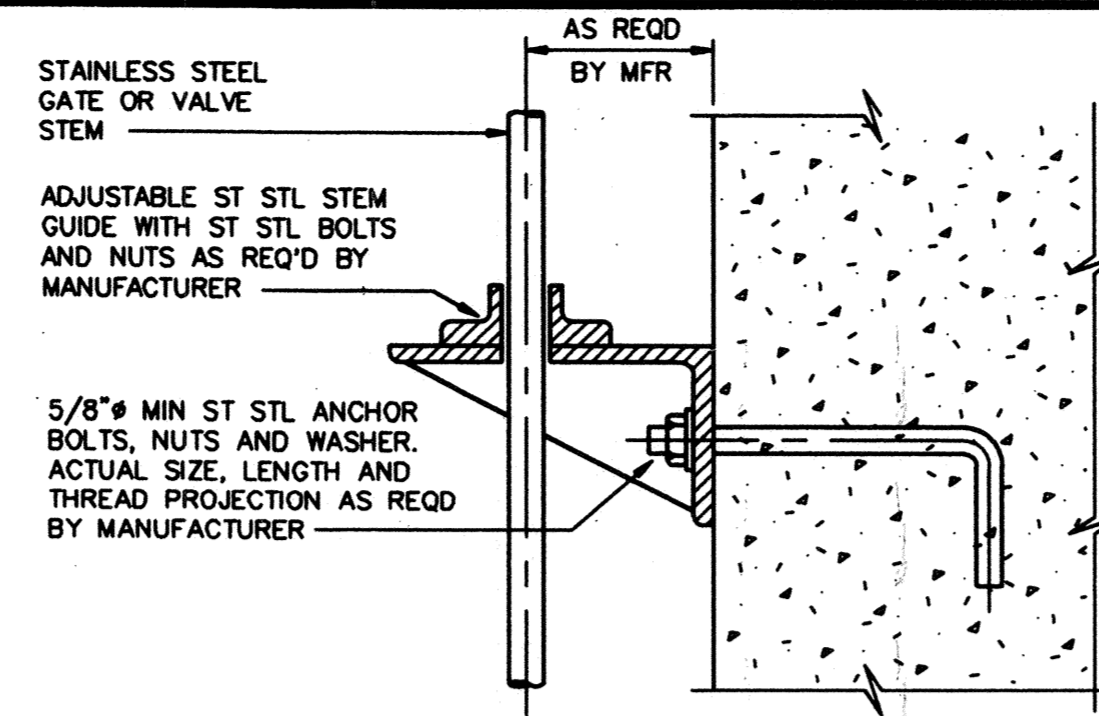
DISCIPLINE ENGINEER
 PROJECT ENGINEER
 PARTNER

CAROLLO engineers

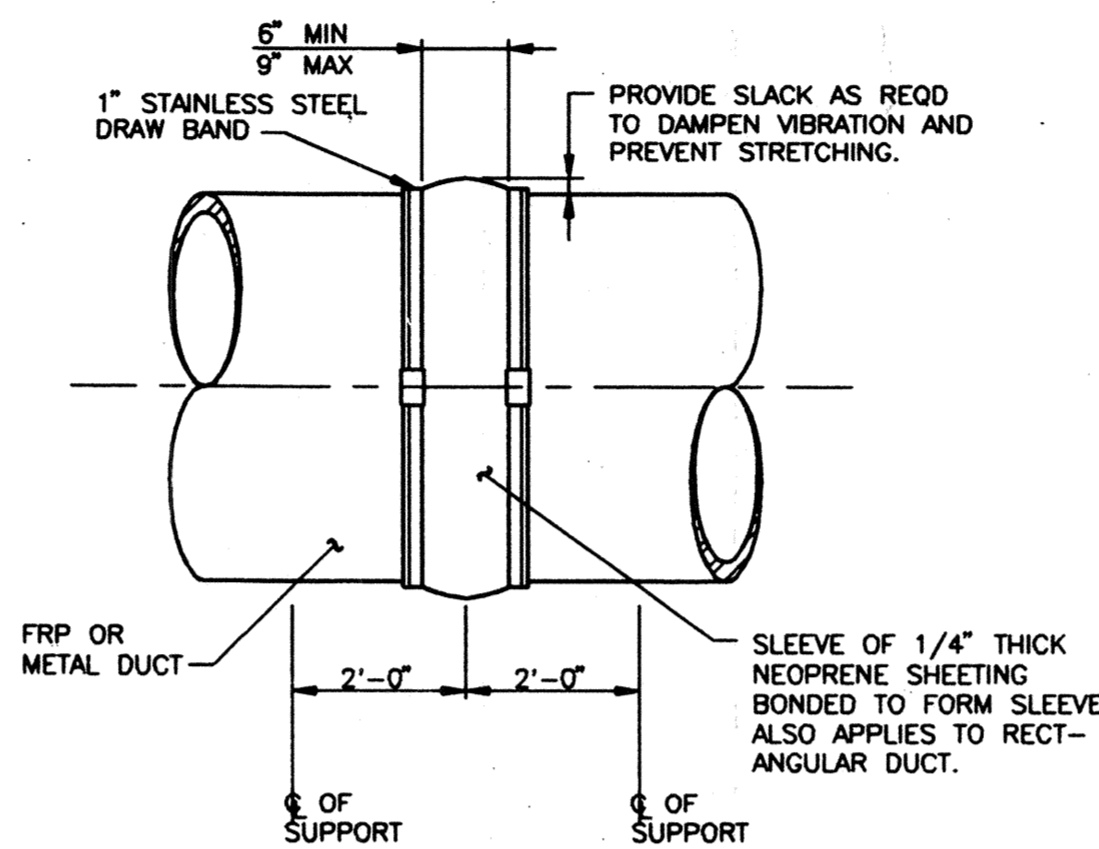
STRUCTURE (SEE NOTE 1)	MARK	LOCATION	SERVICE	GAUGE TYPE	DIAPH REQD	PULSATION DAMPENER	ASSEMBLY DETAIL	RANGE	SNUBBER	QUANTITY PER LOCATION
BPS	1	SEAL WATER PUMPS	SW	PRESSURE	N	N	B	0-200 psig	N	1
BPS, BPSB & MPS	2	AIR COMPRESSOR	AIR	PRESSURE	N	N	A	0-200 psig	N	1
BPS, BPSB & MPS	3	SODIUM CHLORITE INJECTION SYSTEM	SODIUM CHLORITE	PRESSURE	Y	Y	B	0-100 psig	Y	2
BPS, BPSB & MPS	4	SURGE ARRESTOR TANK	SEWAGE	(2) PRESSURE	Y	Y	B	0-100 psig	Y	1
MPS	5	SW (WELL WATER)	SW	PRESSURE	N	N	B	0-200 psig	N	1
BPS	6	RAW SEWAGE PUMP SUCTION	SEWAGE	COMPOUND	Y	Y	B	-30" Hg 0-15 psig	Y	4
BPS & BPSB	7	RAW SEWAGE PUMP DISCHARGE	SEWAGE	PRESSURE	Y	N	B	0-100 psig	Y	4
BPS	8	SEAL WATER PANELS	AIR	PRESSURE	N	N	A	0-100 psig	N	4

NOTES: 1. BPS AND BPSB ARE ALTERNATIVES FOR THE BROOKSIDE PUMP STATION.
2. INCLUDES PRESSURE TRANSDUCER IN PARALLEL WITH PRESSURE GAUGE AFTER ISOLATION DIAPHRAGM.

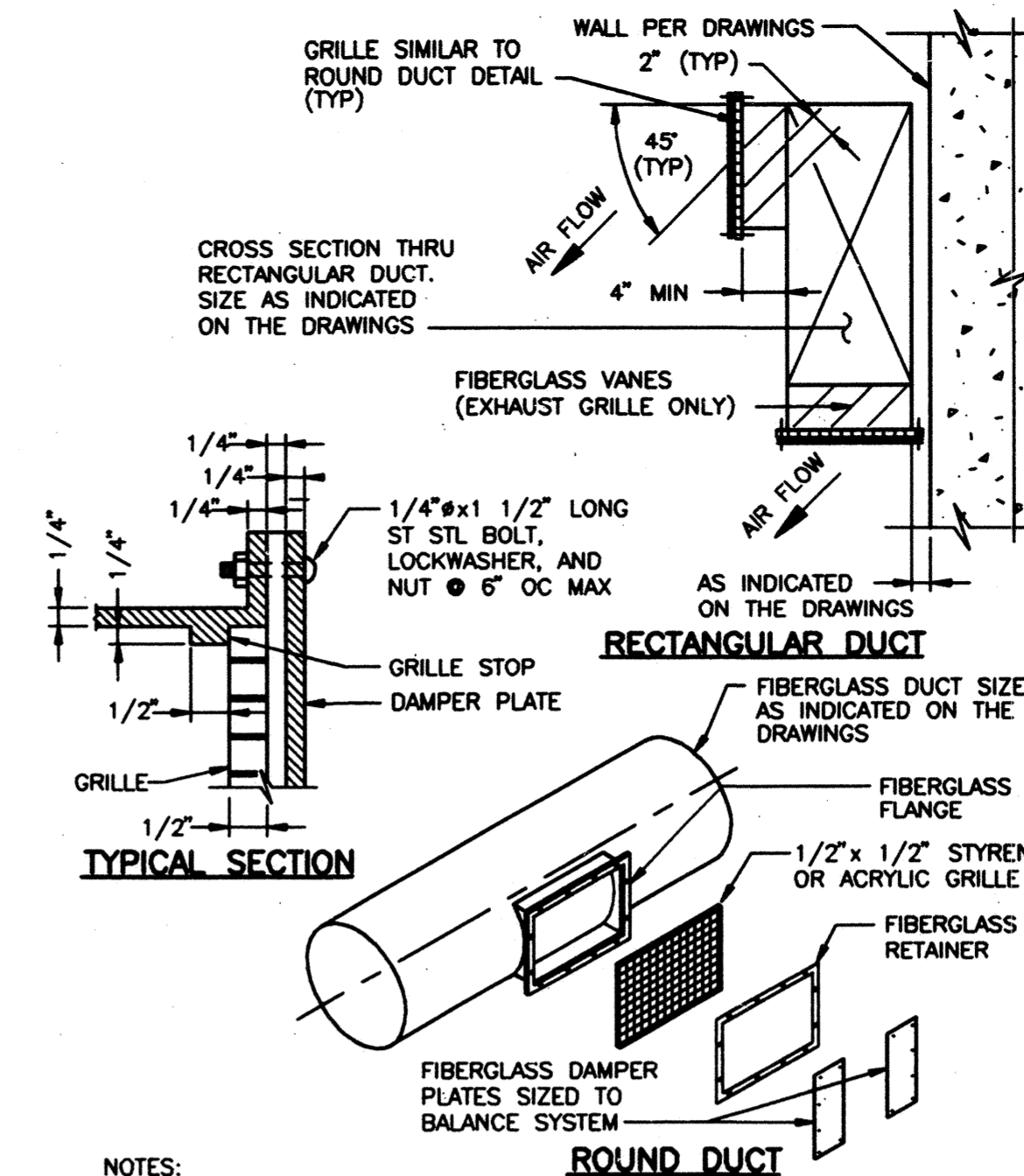
487 PRESSURE GAUGE SCHEDULE TYP



488 STEM GUIDE TYP



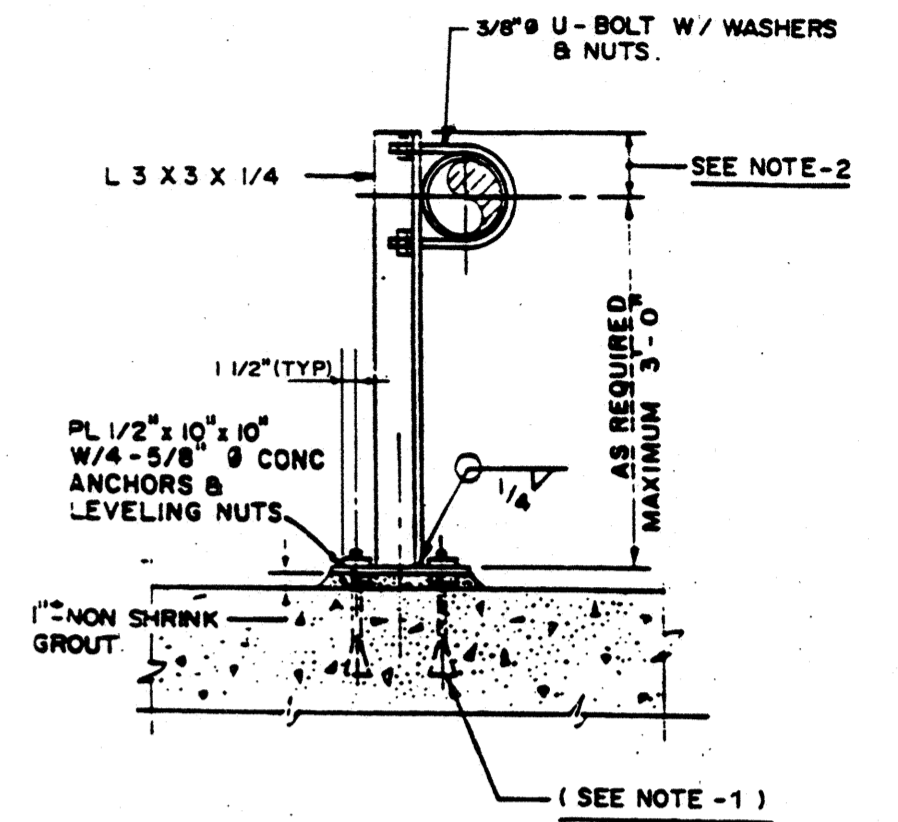
496 FLEXIBLE DUCT CONNECTION TYP



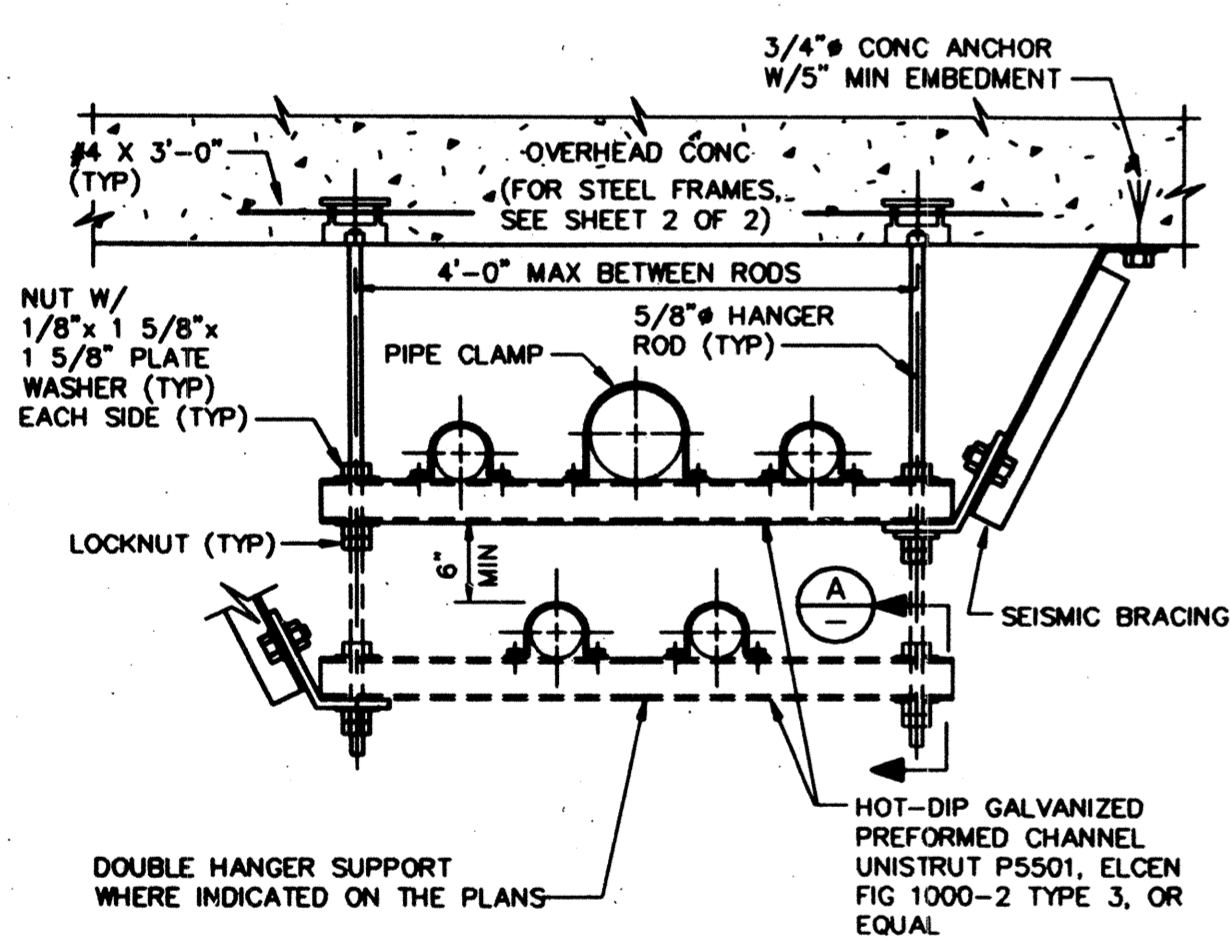
NOTES:
1. SUPPLY GRILLE SIZES ARE FROM INSIDE TO INSIDE OF GRILLE STOP, AS INDICATED ON THE DRAWINGS.
2. GRILLE LATTICE WORK TO OCCUPY NO MORE THAN 9% OF TOTAL GRILLE AREA.
3. ALL FIBERGLASS PIECES ARE TO MATCH COLOR OF FIBERGLASS DUCT.

498 AIR SUPPLY OR EXHAUST GRILLE DETAILS TYP

NOTES:
1. - BASE PLATE MAY ALSO BE WELDED TO STEEL MEMBERS, VERIFY WITH ENGINEER.
2. - DIMENSION TO BE 1/2" CLEAR BEYOND EDGE OF NUT.

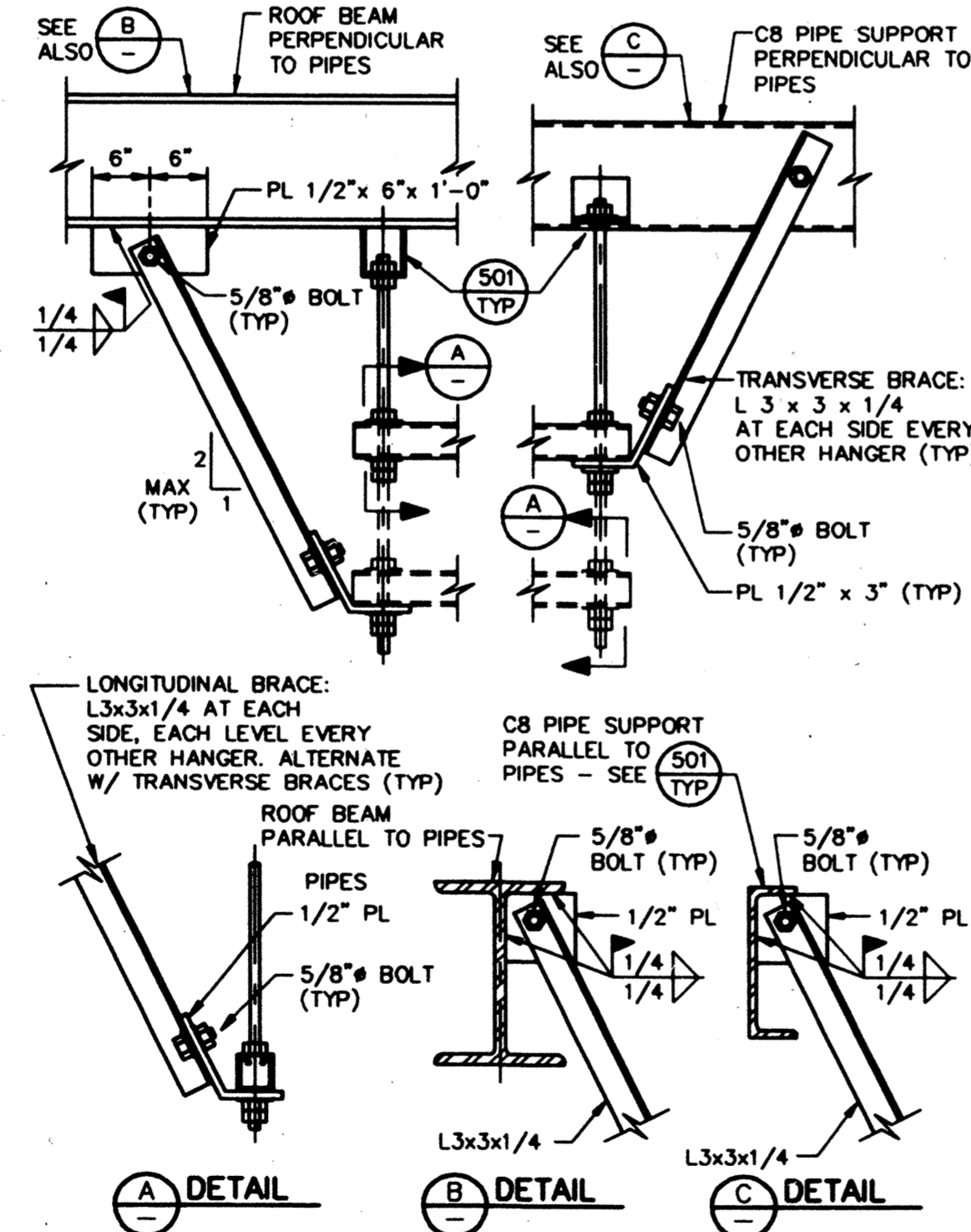


500 PIPE SUPPORT TYP (4" DIA AND SMALLER)



NOTES:
1. MAXIMUM VERTICAL LOAD EQUALS 2000 LBS.
2. HANGER SPACING SHALL BE BASED ON MAXIMUM SPAN ALLOWABLE FOR ANY INDIVIDUAL PIPE AND FOR MAXIMUM LOAD.
3. ALL-THREAD ROD SHALL BE USED ONLY FOR DOUBLE SUPPORTS.
4. ALL MATERIALS SHALL BE HOT-DIP GALVANIZED.
5. ISOLATE ALL COPPER PIPE FROM SUPPORT WITH PVC TAPE.

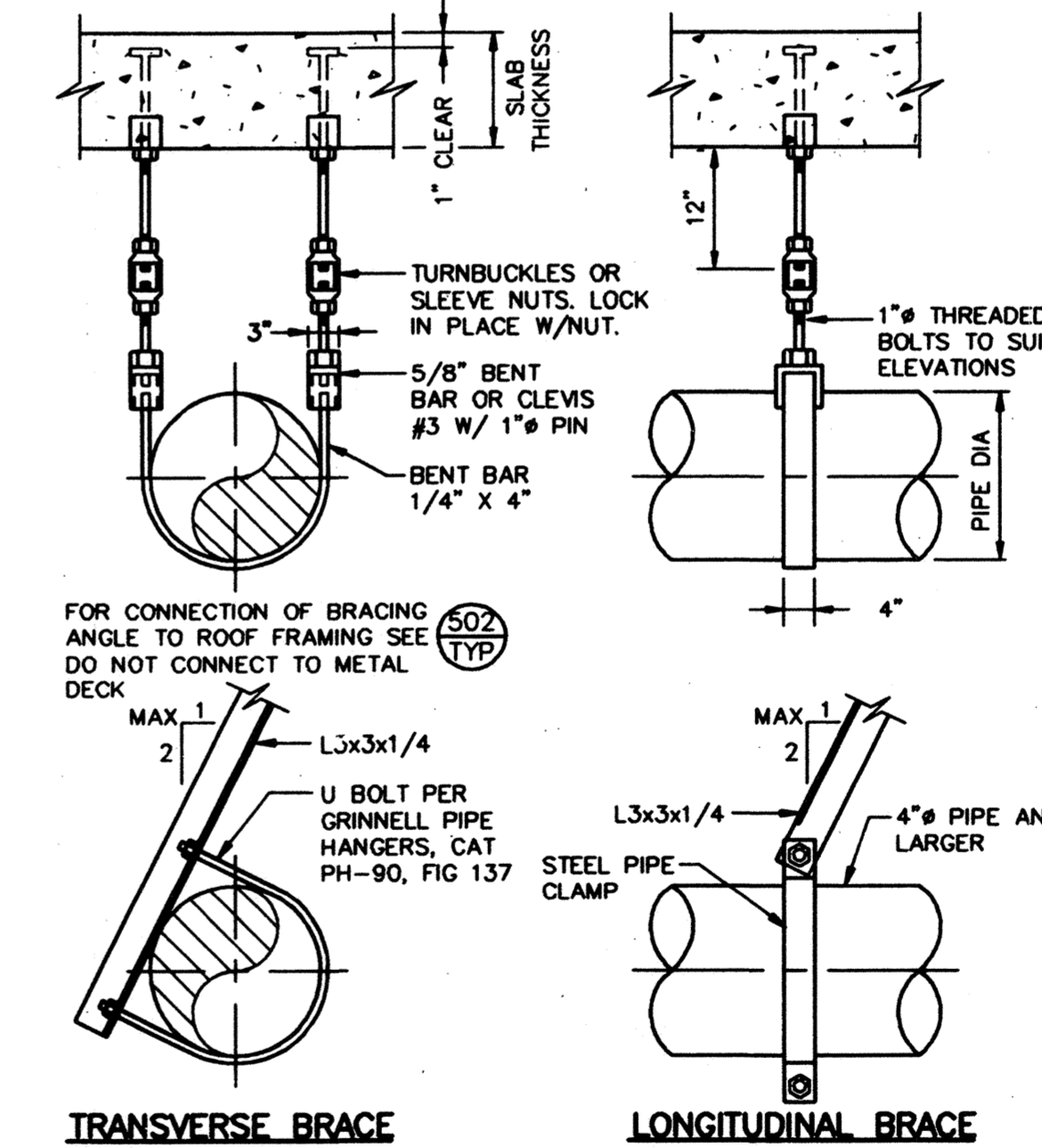
502 PIPE HANGER - DOUBLE ROD TYP



PIPE DIA (INCHES)	ROD DIA (INCHES)	MAX SUPPORT SPACING
2 AND LESS	3/8	5 FEET
2 1/2 TO 3 1/2	1/2	10 FEET
4 TO 5	5/8	10 FEET
6	3/4	10 FEET
8	7/8	10 FEET
10	7/8	10 FEET
12	7/8	10 FEET

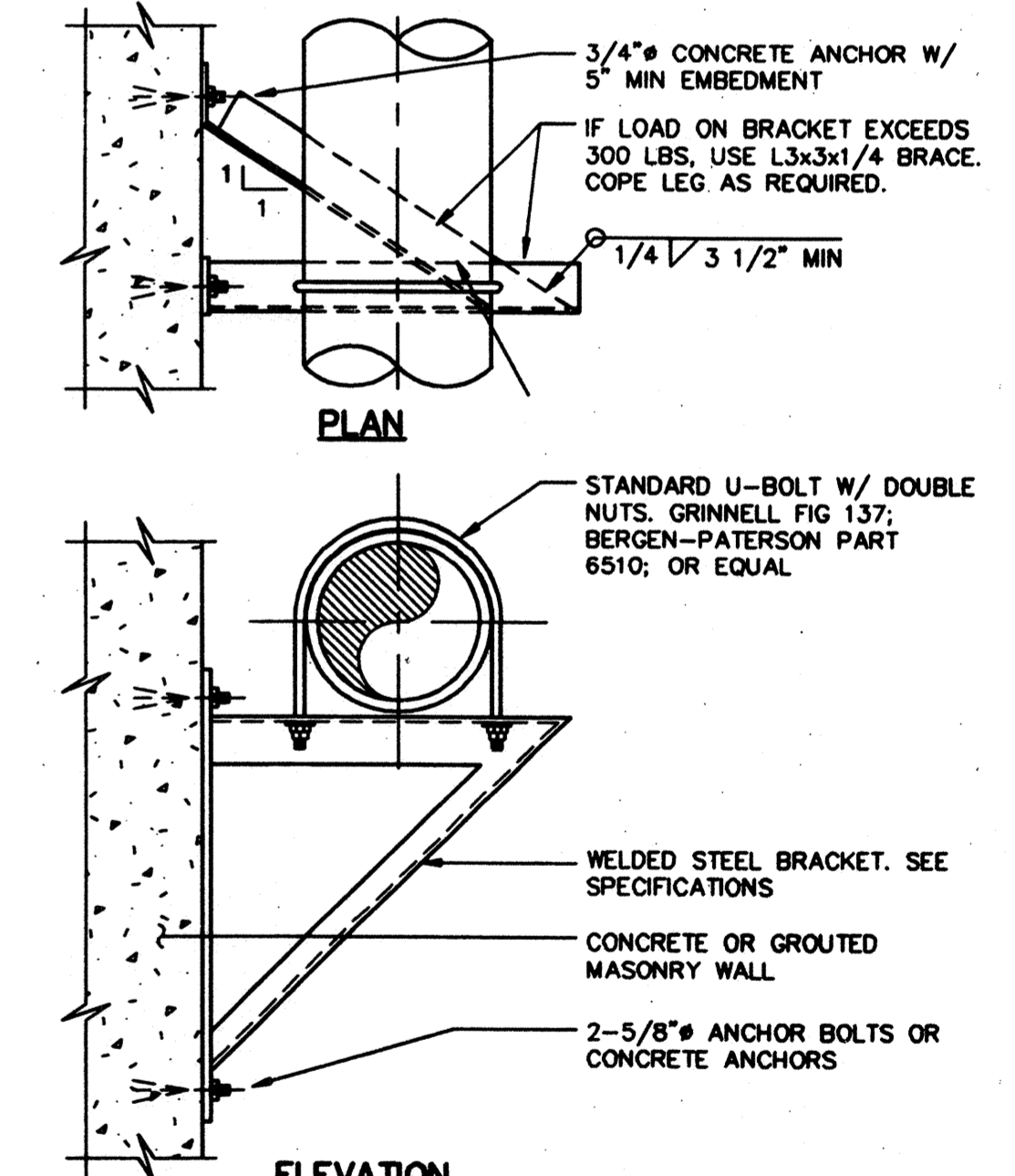
NOTES:
1. ISOLATE ALL COPPER PIPE FROM SUPPORT WITH PVC TAPE.
2. ALL MATERIALS SHALL BE HOT-DIP GALVANIZED.
3. PROVIDE ADDITIONAL HANGER AT EACH SIDE OF ALL VALVES 4 INCHES AND LARGER.
4. FOR LONGITUDINAL AND LATERAL BRACING OF PIPES, SEE TYPICAL DETAIL 506.

503 PIPE HANGER TYP



NOTES:
1. MAXIMUM LONGITUDINAL BRACE SPACING = 20'-0"
2. MAXIMUM TRANSVERSE BRACE SPACING = 20'-0"
3. DO NOT CONNECT BRACE TO BOTTOM OF ROOF BEAM OR CB PIPE SUPPORT, EXCEPT AS SHOWN IN TYPICAL DETAIL 502.
4. USE LONGITUDINAL AND TRANSVERSE BRACES FOR PIPES 4" AND LARGER.

506 PIPE SUPPORT TYP



NOTES:
1. MAXIMUM ALLOWABLE VERTICAL LOAD: 1500 POUNDS.
2. BRACKET AND U-BOLT SHALL BE HOT-DIP GALVANIZED.
3. ISOLATE ALL COPPER PIPE W/ PVC TAPE.

510 PIPE SUPPORT TYP

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: NTS	APPROVED BY: RPW	DRAWING NO. T-11
DESIGNED: TFT/BEH	DATE: 11/6/97	SHEET NO. 44 OF 100
DRAWN: CE	CITY ENGINEER	JOB NO. 3385D.10
CHECKED: DJ	STOCKTON, CALIF.	
AS BUILT BY: PG		

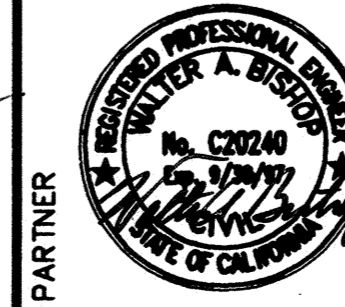
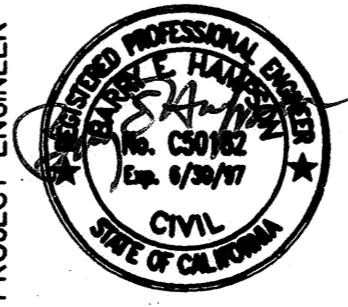
4006.43Ca

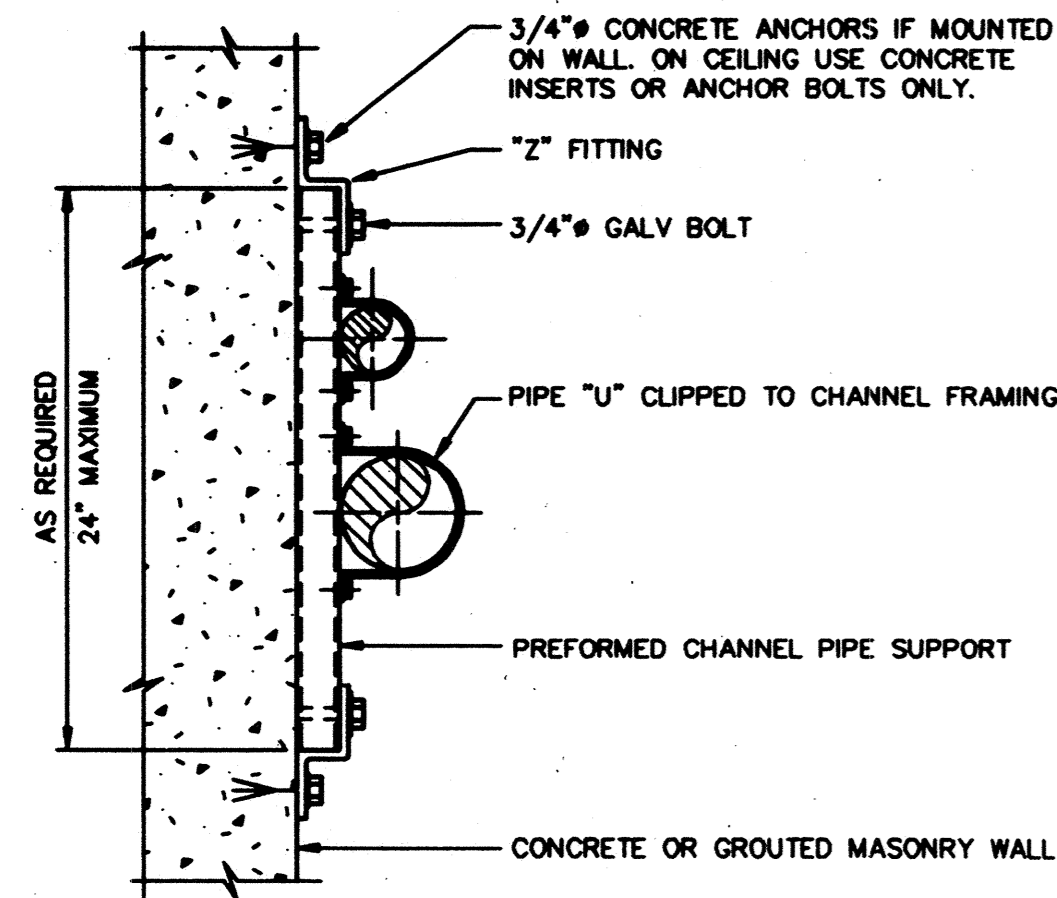
DWG LAST EDITED BY: EPM USER LOGIN TIME: JANUARY 9, 1997 7:06 AM DWG NAME: Q:\STOCKTON\3385D\01\WSP011.DWG PLOTS: BOK | CWP | WAP | BKH |

REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

DISCIPLINE ENGINEER

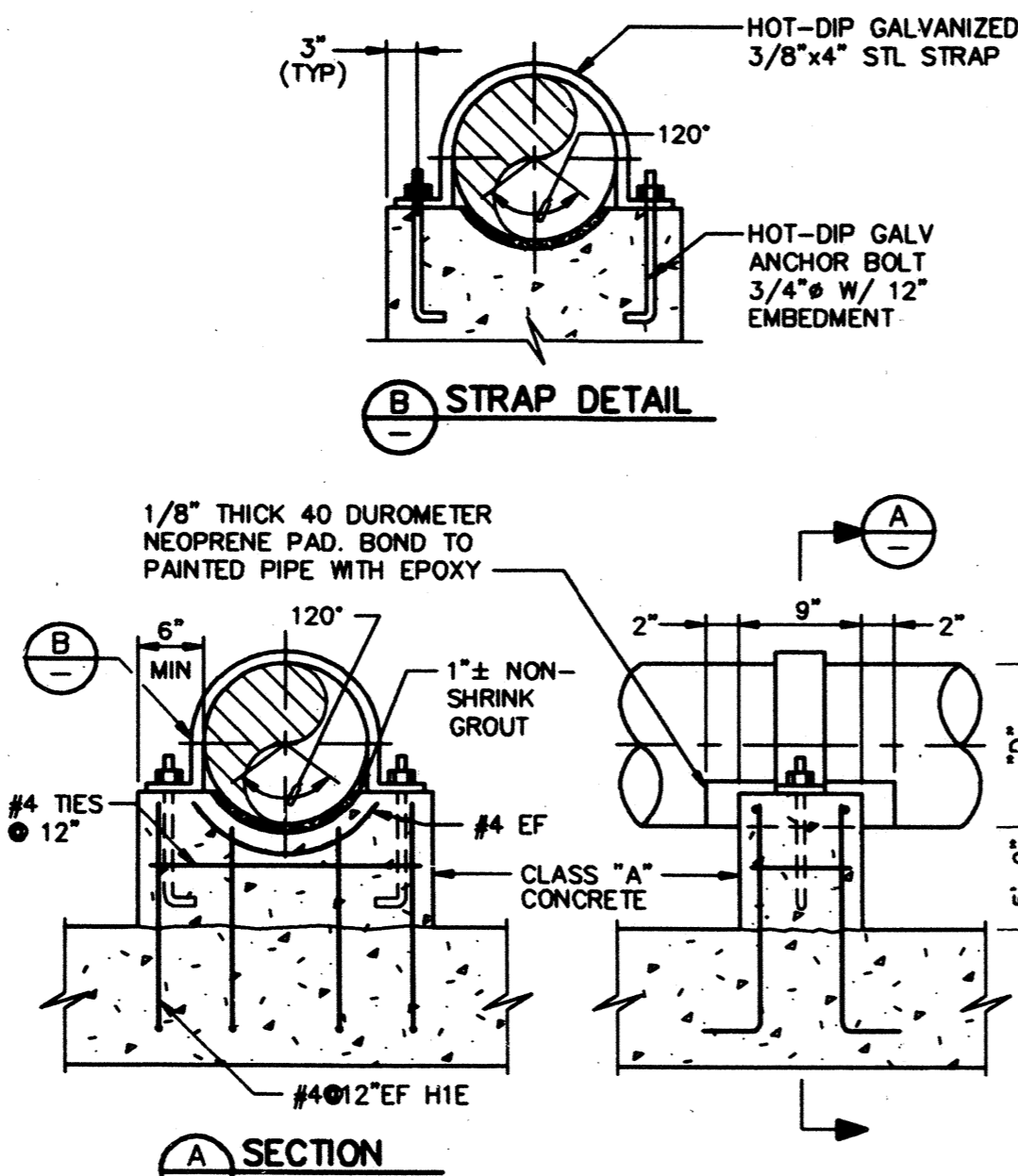
PROJECT ENGINEER





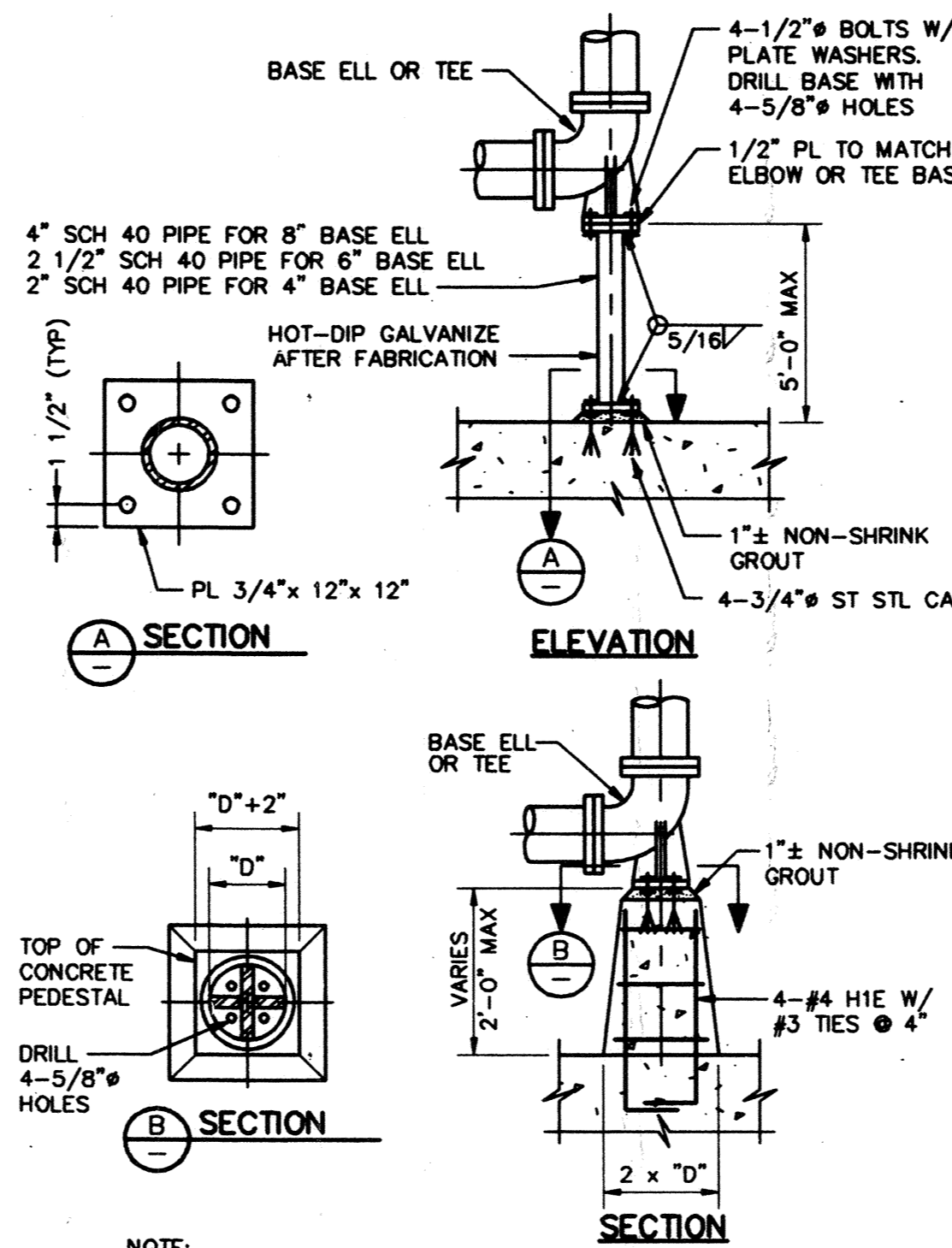
- NOTES:
- IF SUPPORT IS SUBMERGED OR BELOW TOP OF WALL OF HYDRAULIC STRUCTURE, ALL MATERIAL SHALL BE STAINLESS STEEL.
 - FOR COPPER PIPE, WRAP PIPE UNDER "U" CLIP WITH POLYETHYLENE TAPE.
 - MAXIMUM PIPE SIZE: 3".
 - SPACE FLUSH MOUNT PIPE SUPPORTS AT 5'-0" MAXIMUM.

530 FLUSH MOUNT PIPE SUPPORT
TYP



- NOTES:
- FOR ISOLATED SUPPORTS CONSTRUCT 2'-0" x ("D" + 12") x 12" THICK FOOTING WITH #4@10" EW T&B. SUPPORT SHALL BE ON UNDISTURBED SOIL OR SUBGRADE COMPACTED TO 95%.
 - MAX VERTICAL LOAD = 6000 POUNDS.

541 CONCRETE PIPE SUPPORT
TYP



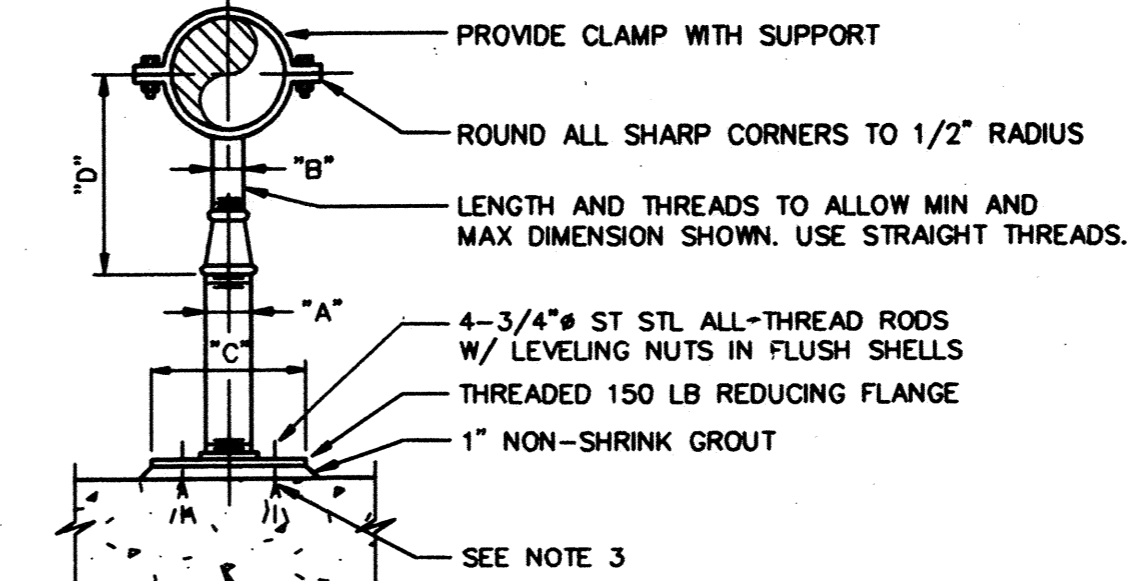
- NOTE:
- SUPPORT TO BE HOT-DIP GALVANIZED AFTER FABRICATION.

542 PIPE SUPPORT - ELL OR TEE
TYP

ADJUSTABLE PIPE SADDLE SUPPORT SCHEDULE
DIMENSIONS IN INCHES

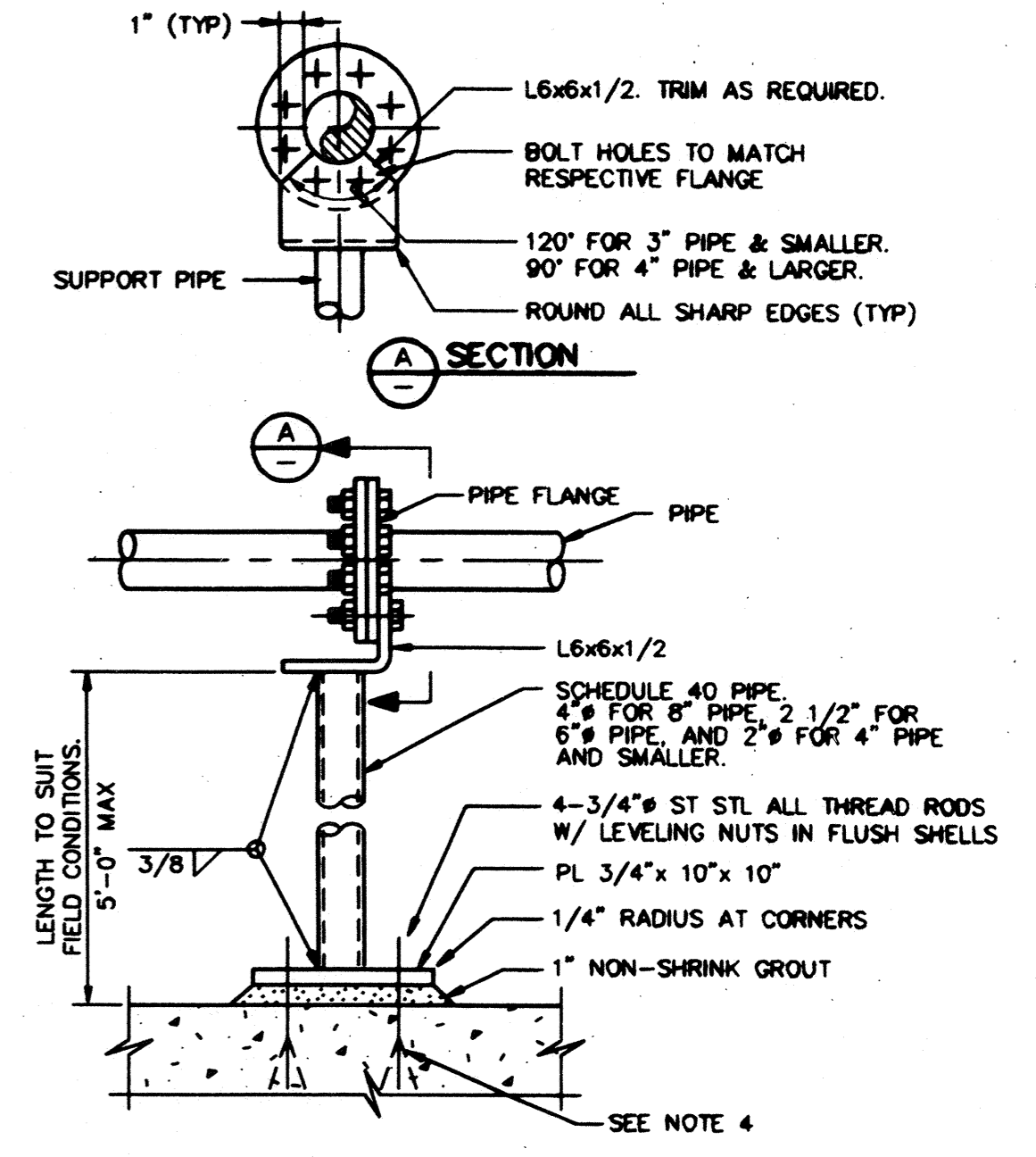
PIPE SIZE	"D"			
	"A"	"B"	"C"	MINIMUM MAXIMUM
2 1/2	2 1/2	1 1/2	9	8 13
3	2 1/2	1 1/2	9	8 1/2 13 1/2
3 1/2	2 1/2	1 1/2	9	8 1/2 13 1/2
4	3	2 1/2	9	9 1/2 14
6	3	2 1/2	9	10 1/2 15 1/2
8	3	2 1/2	9	11 1/2 16 1/2
10	3	2 1/2	9	13 1/2 18 1/2
12	3	2 1/2	9	15 19 1/2
14	4	3	11	16 1/2 20 1/2
16	4	3	11	17 1/2 22 1/2
18	6	3 1/2	13 1/2	19 1/2 24
20	6	3 1/2	13 1/2	21 25 1/2
24	6	4	13 1/2	23 1/2 28 1/2
30	6	4	13 1/2	27 31 1/2
32	6	4	13 1/2	28 1/2 32 1/2
36	6	4	13 1/2	30 1/2 34 1/2

* USE 2 1/2" SUPPORTS FOR PIPES LESS THAN 2 1/2"



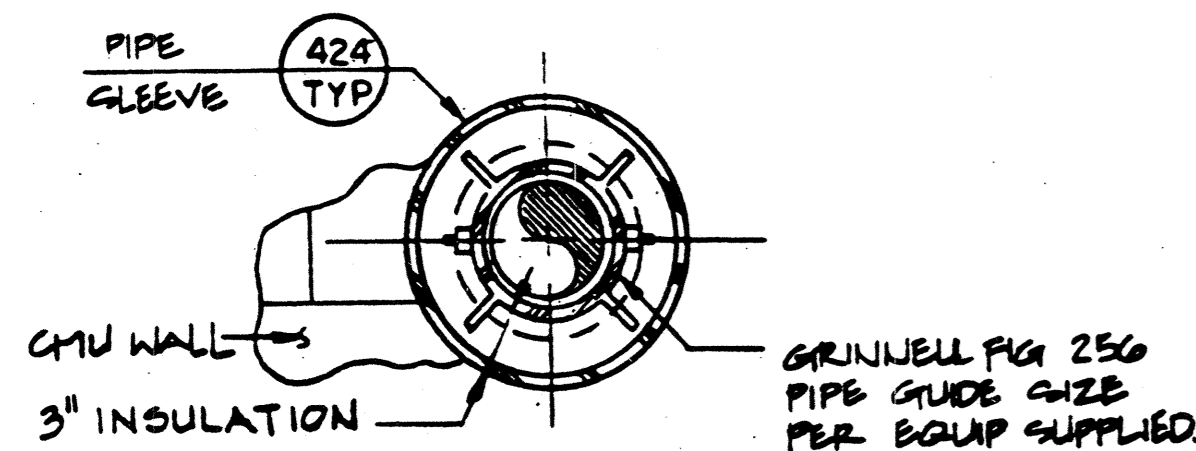
- NOTES:
- HOT-DIP GALVANIZE AFTER FABRICATION.
 - PIPE SHALL BE SCHEDULE 40.
 - CHEMICAL ANCHORS MAY BE SUBSTITUTED FOR FLUSH SHELLS AND ALL THREAD RODS.

545 ADJUSTABLE PIPE SUPPORT
TYP

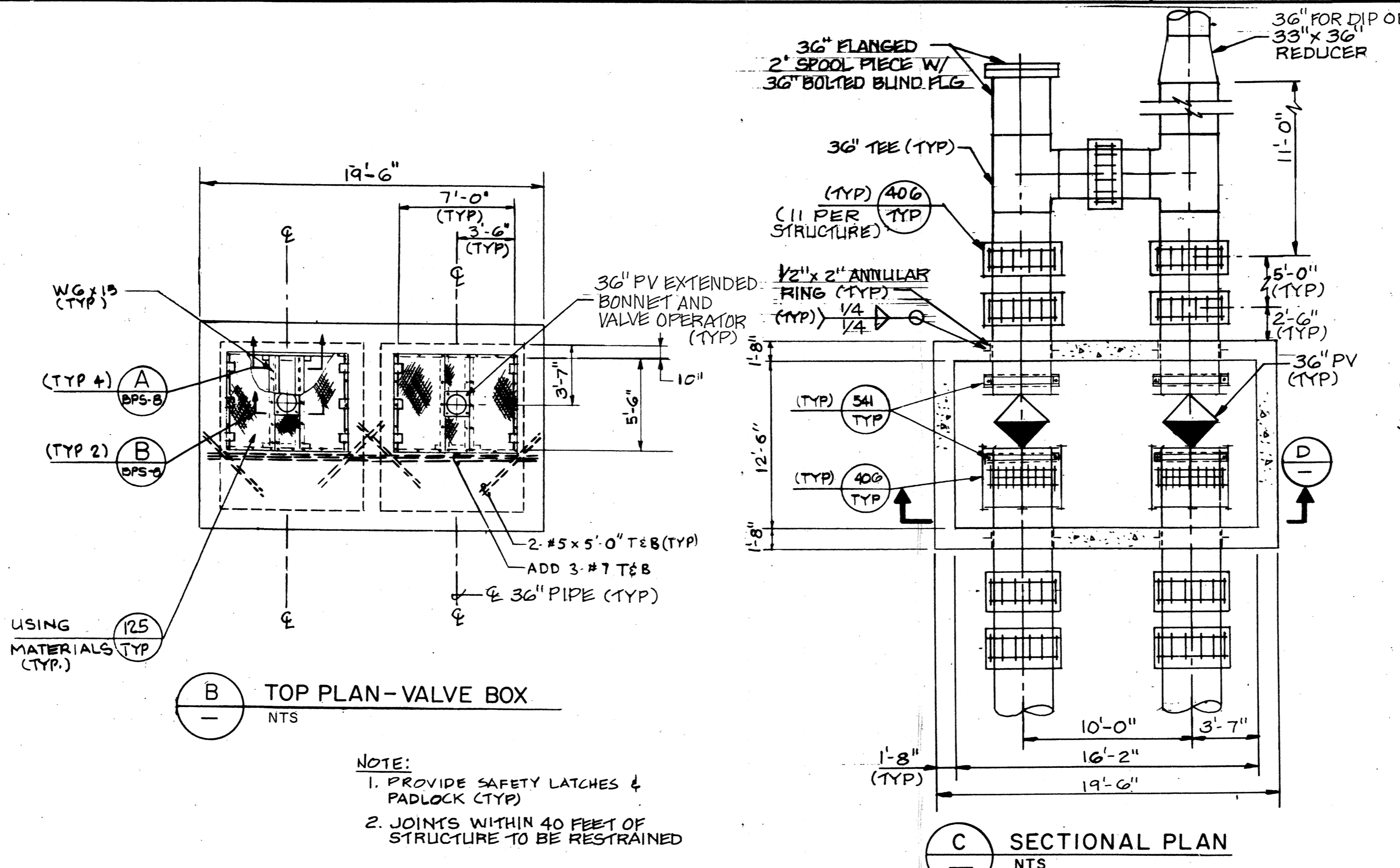


- NOTES:
- HOT-DIP GALVANIZE AFTER FABRICATION.
 - MAXIMUM VERTICAL LOAD: 1000 LBS
 - PIPE SHALL BE SCHEDULE 40.
 - CHEMICAL ANCHORS MAY BE SUBSTITUTED FOR FLUSH SHELLS AND ALL THREAD RODS.

548 PIPE SUPPORT
TYP

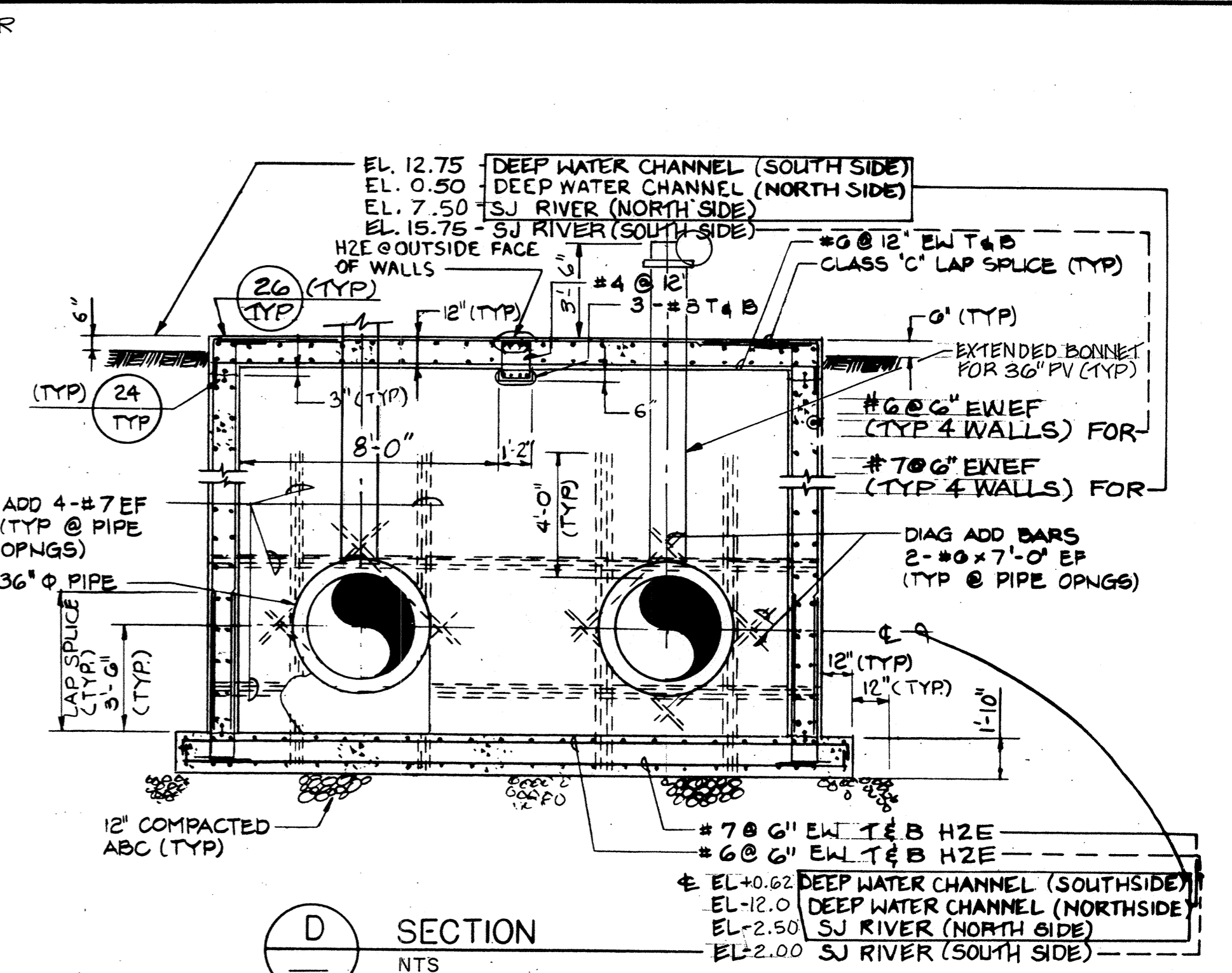


552 EXHAUST PIPE THRU WALL
TYP



- NOTE:
- PROVIDE SAFETY LATCHES & PADLOCK (TYP)
 - JOINTS WITHIN 40 FEET OF STRUCTURE TO BE RESTRAINED

542 PIPE SUPPORT - ELL OR TEE
NTS



545 ADJUSTABLE PIPE SUPPORT
NTS

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED UPON THE INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: NTS	APPROVED BY: RPW	DATE: 11/17	DRAWING NO. T-12
DESIGNED: TFT/BEH	DRAWN: CE		SHEET NO. 45 OF 100
CHECKED: DJ	AS BUILT BY: PG		JOB NO. 33850.10

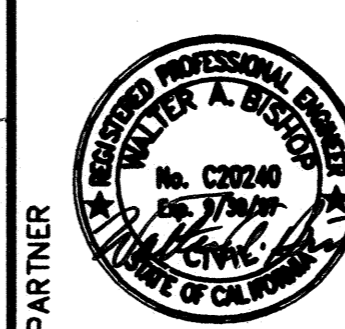
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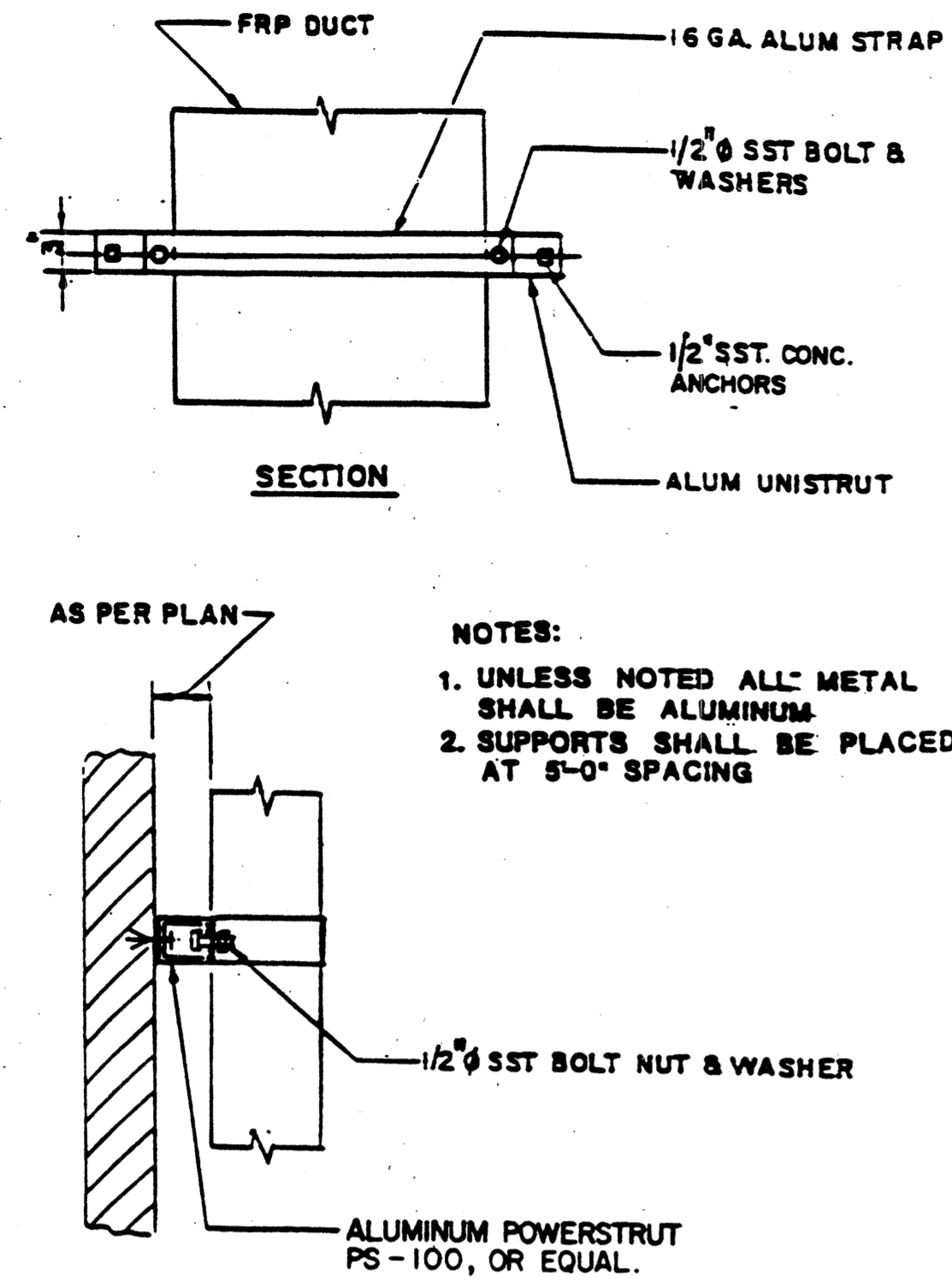
REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

DISCIPLINE ENGINEER

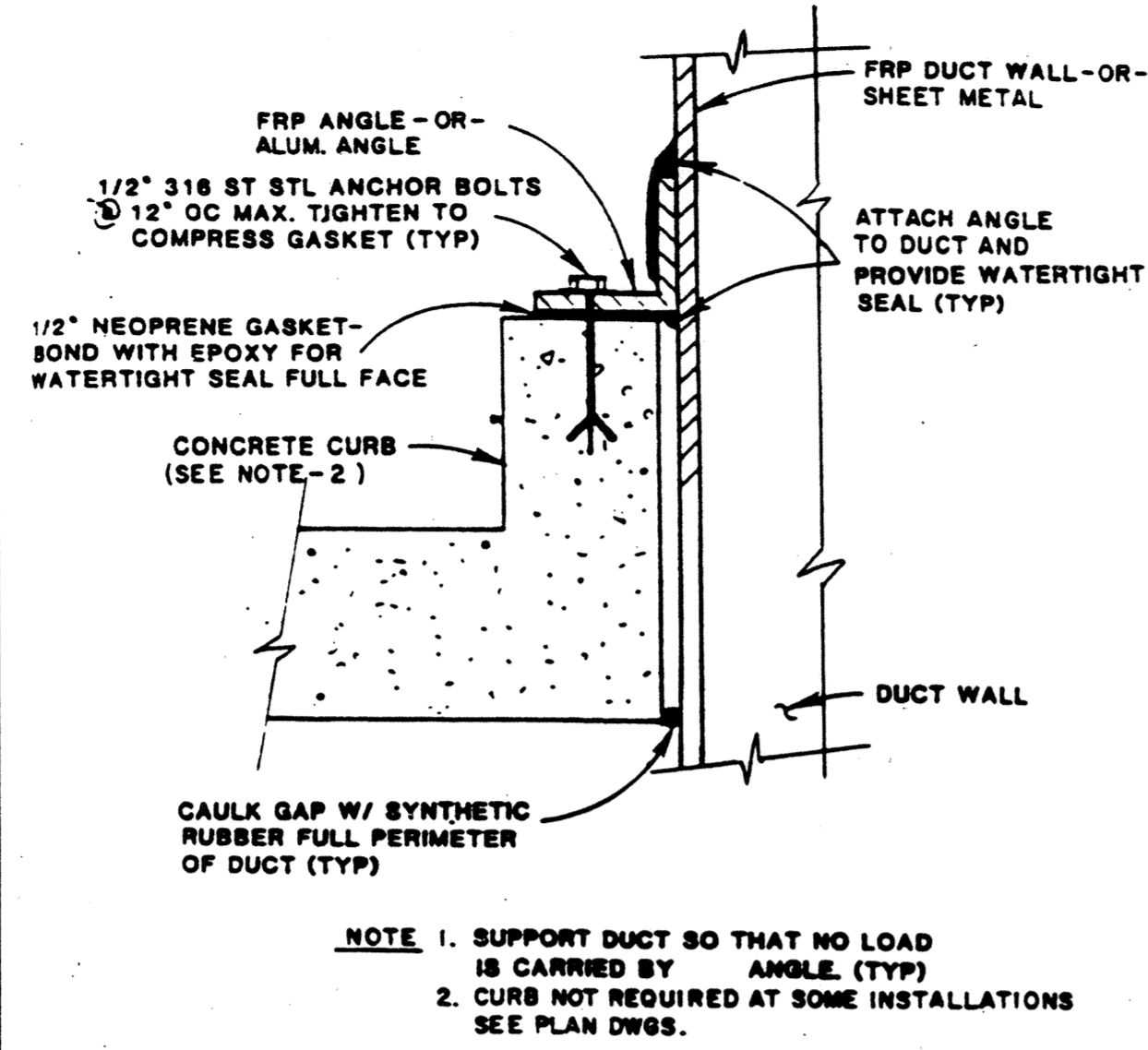
PROJECT ENGINEER

PARTNER

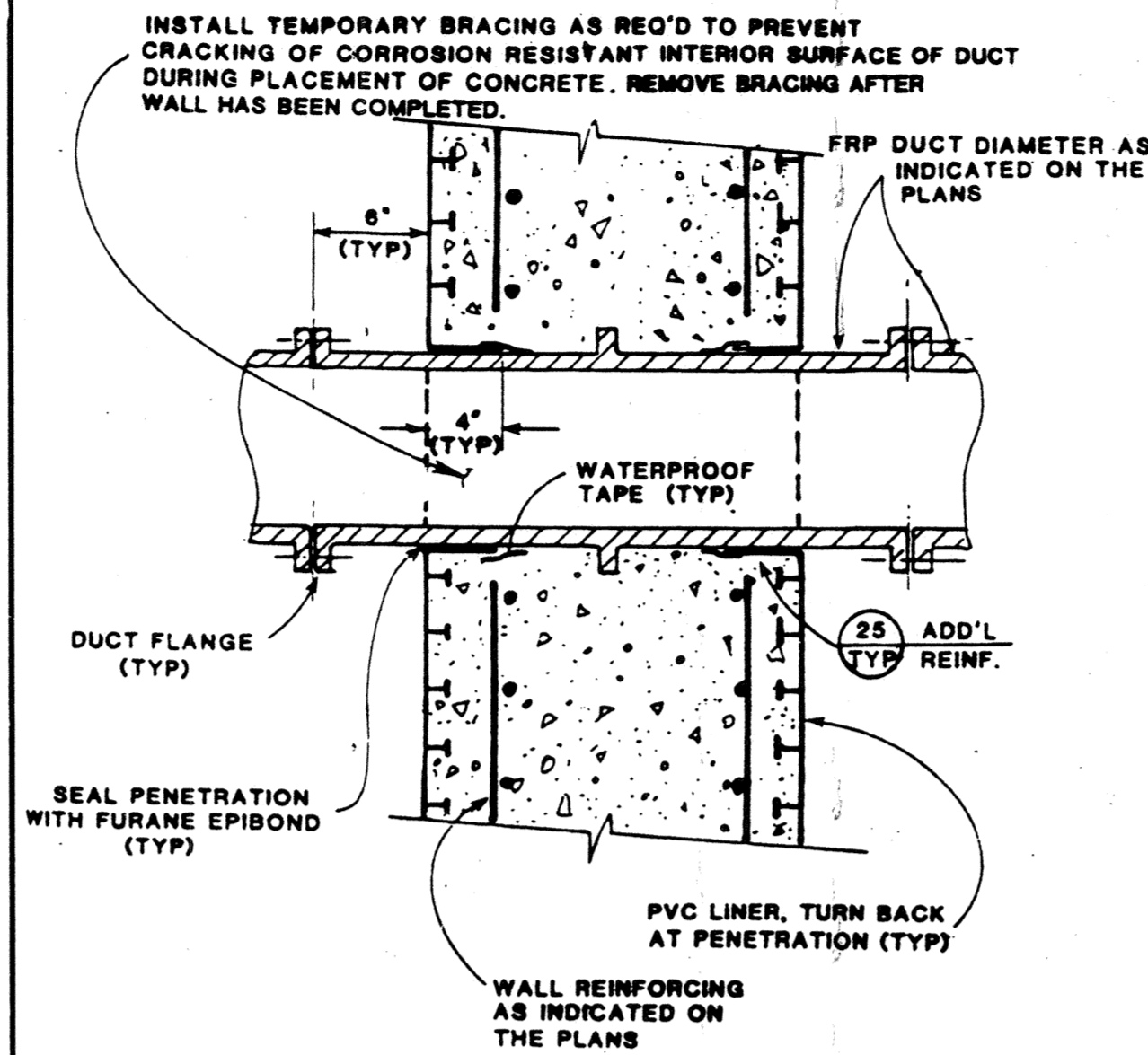




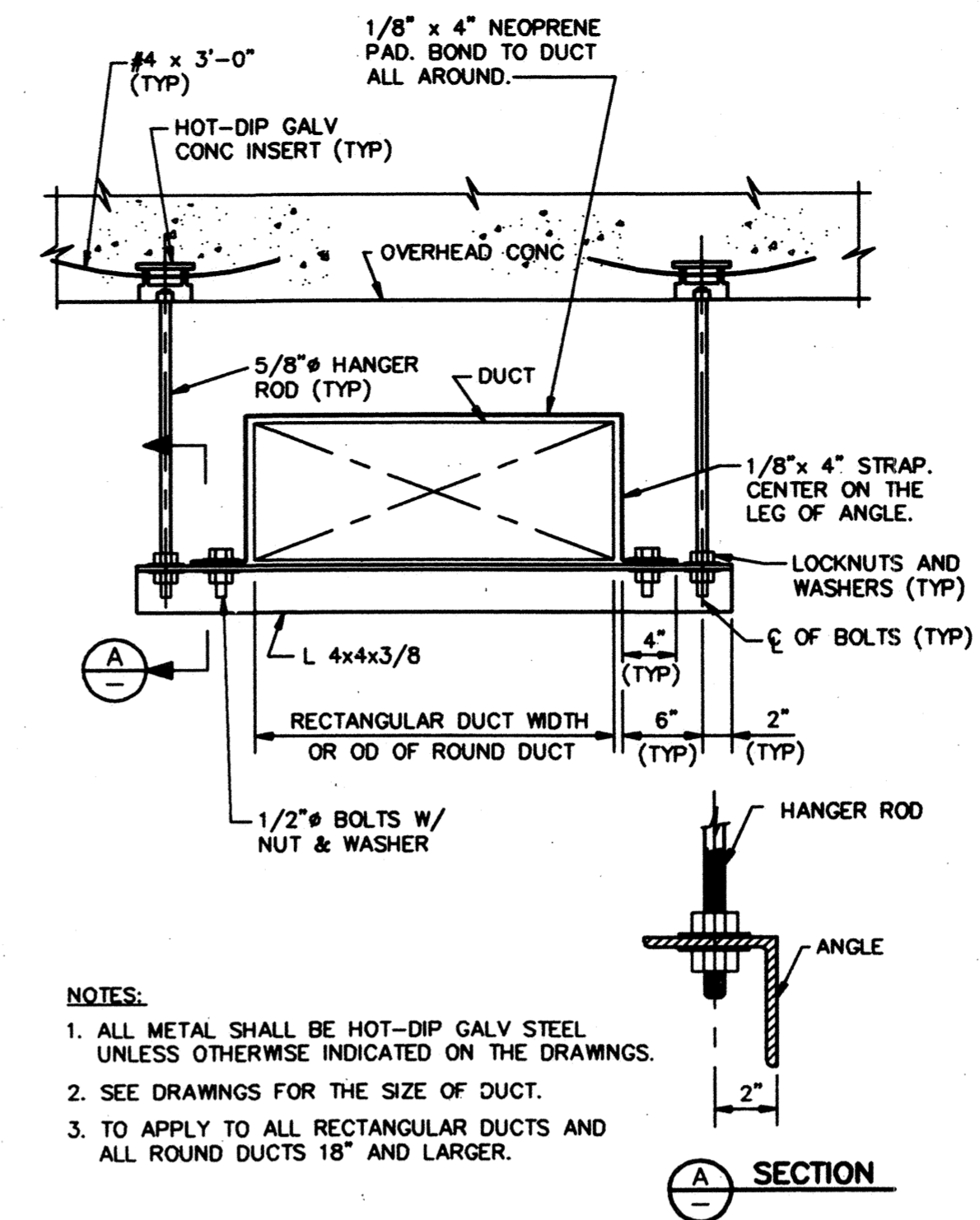
566 VERTICAL DUCT SUPPORT
TYP



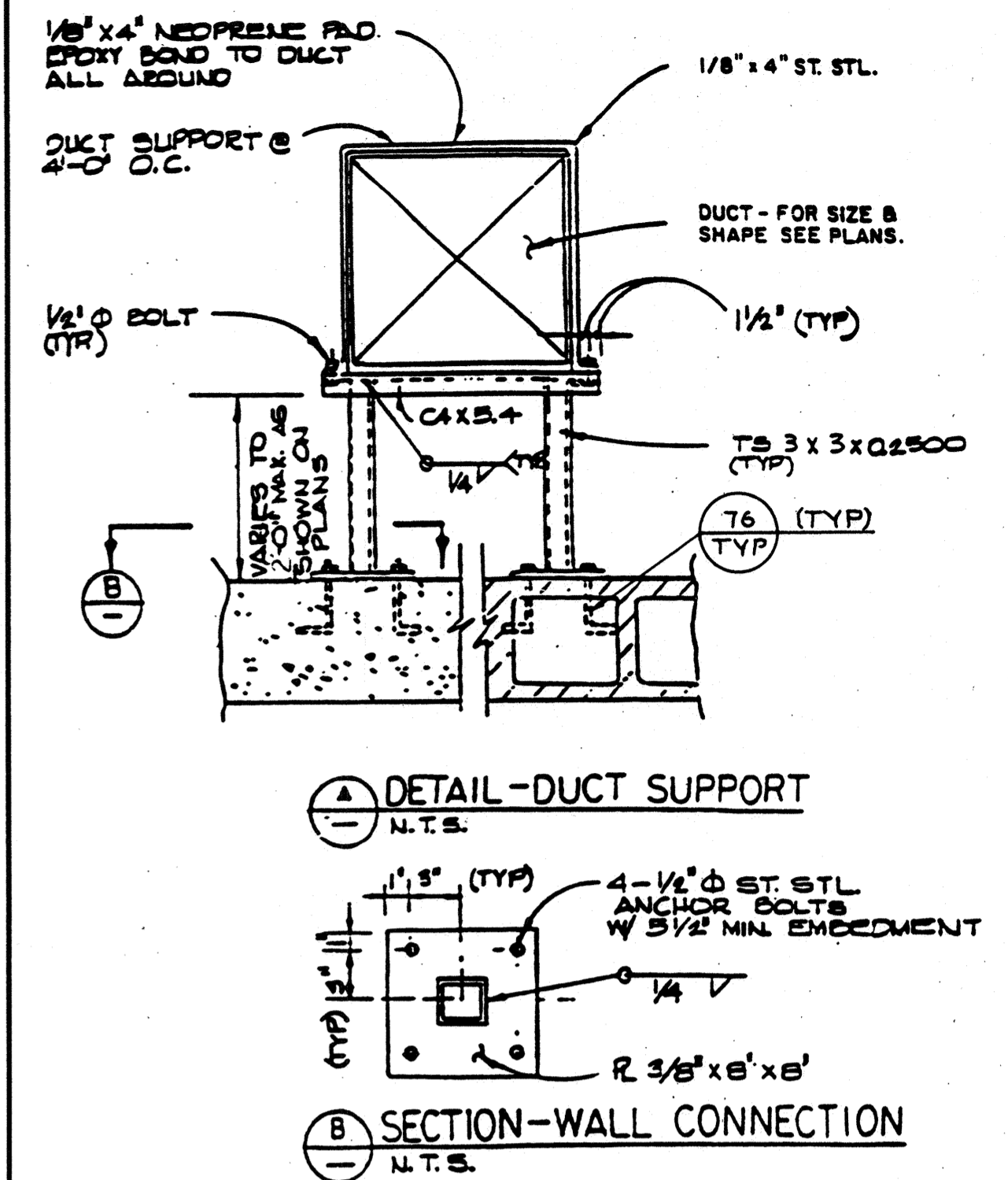
567 DUCT PENETRATION
TYP



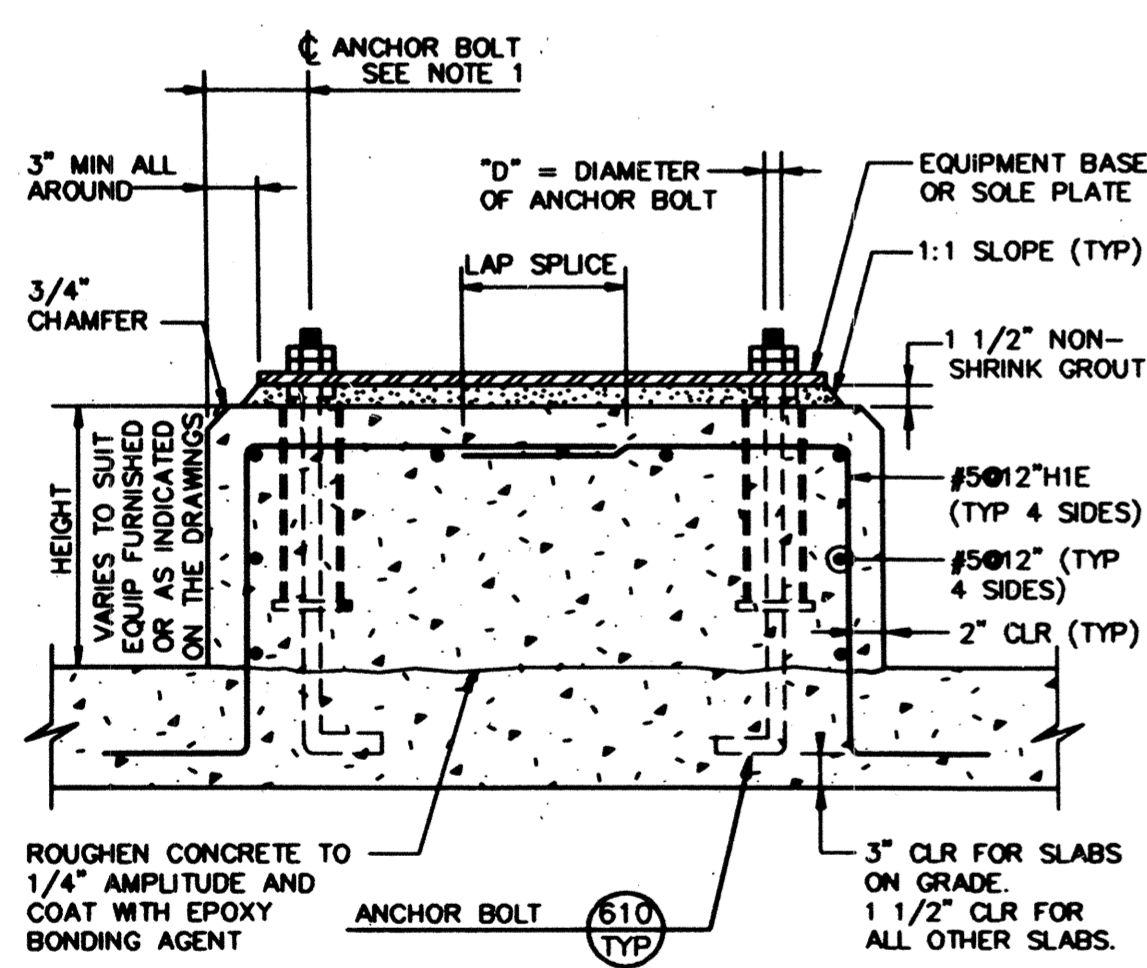
568 DUCT PENETRATION
TYP



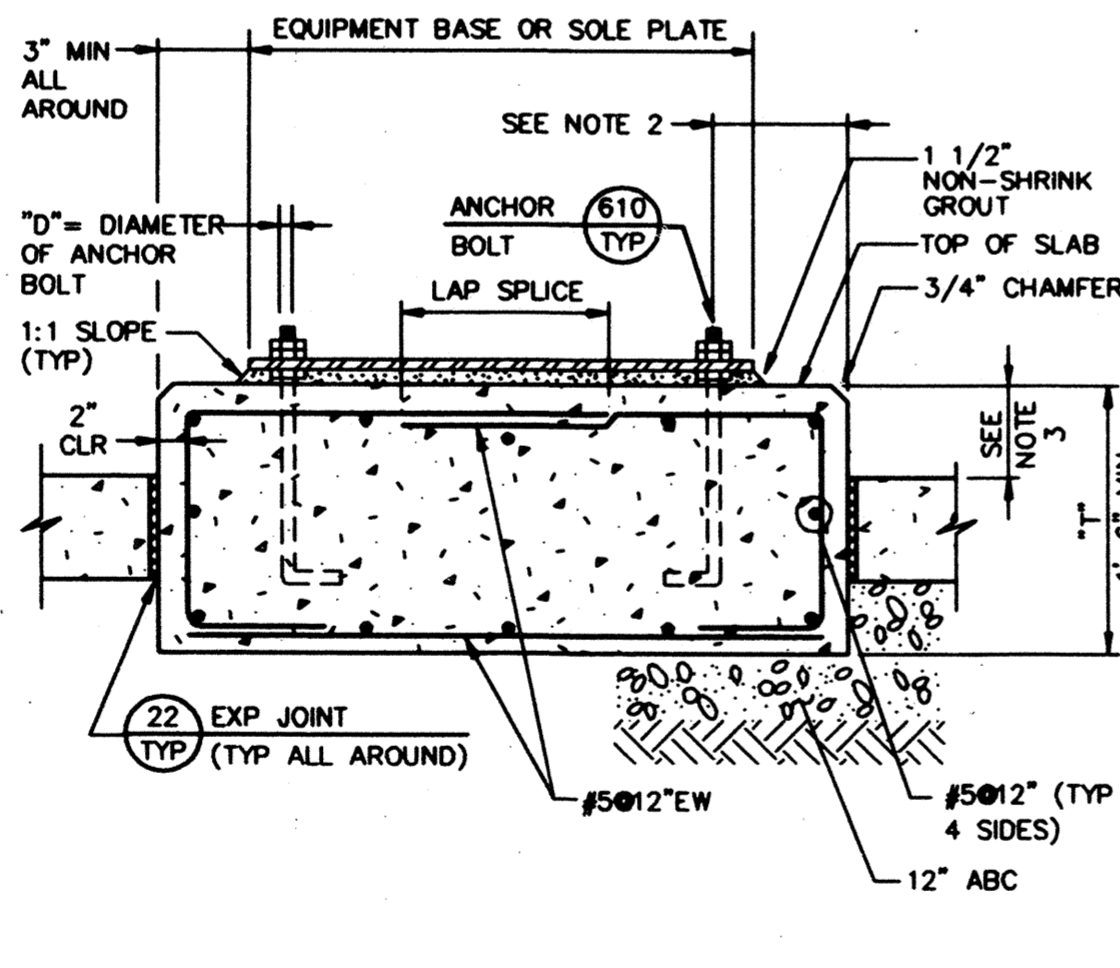
587 AIR DUCT SUPPORT
TYP



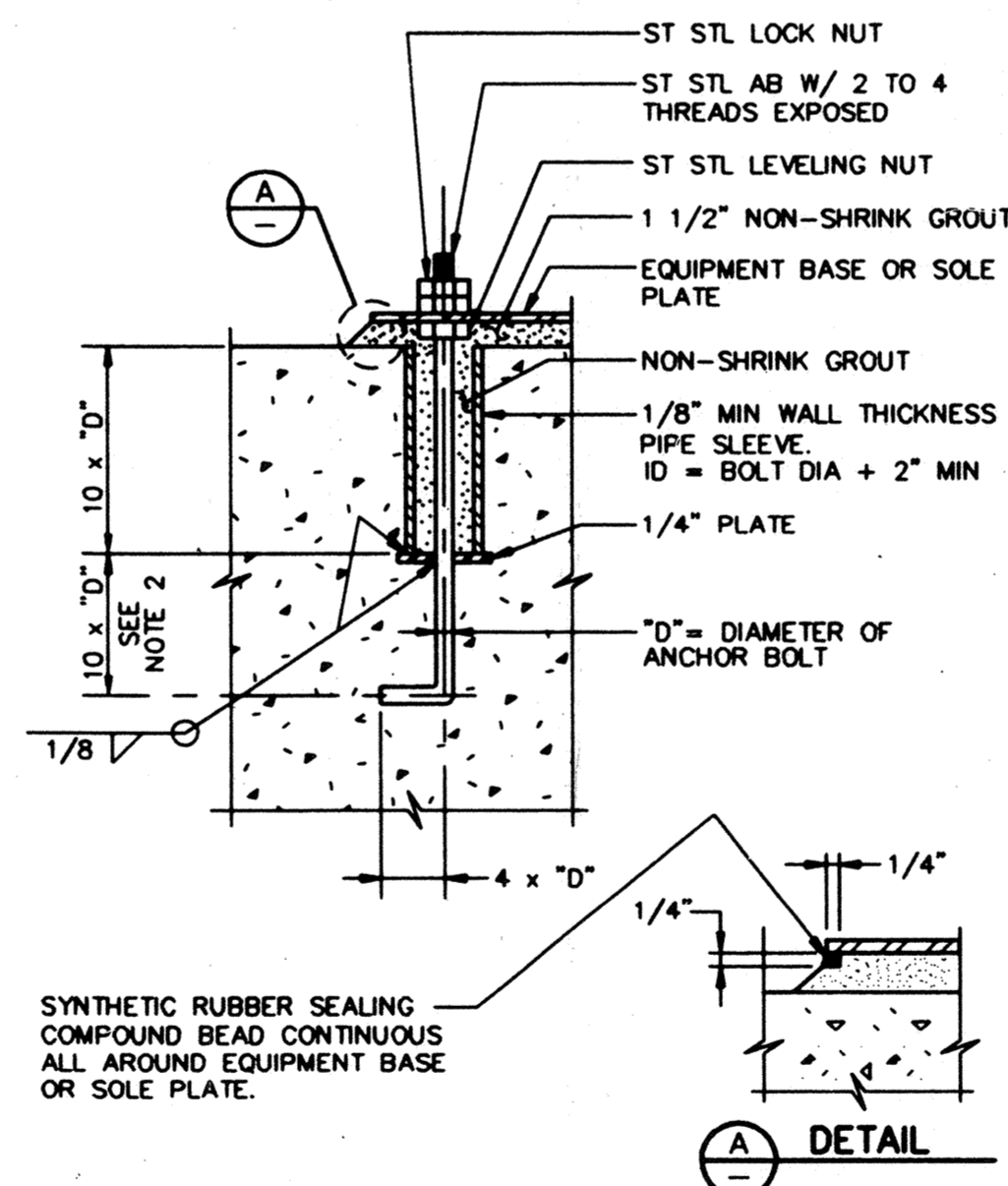
589 VERTICAL AIR DUCT SUPPORT
TYP



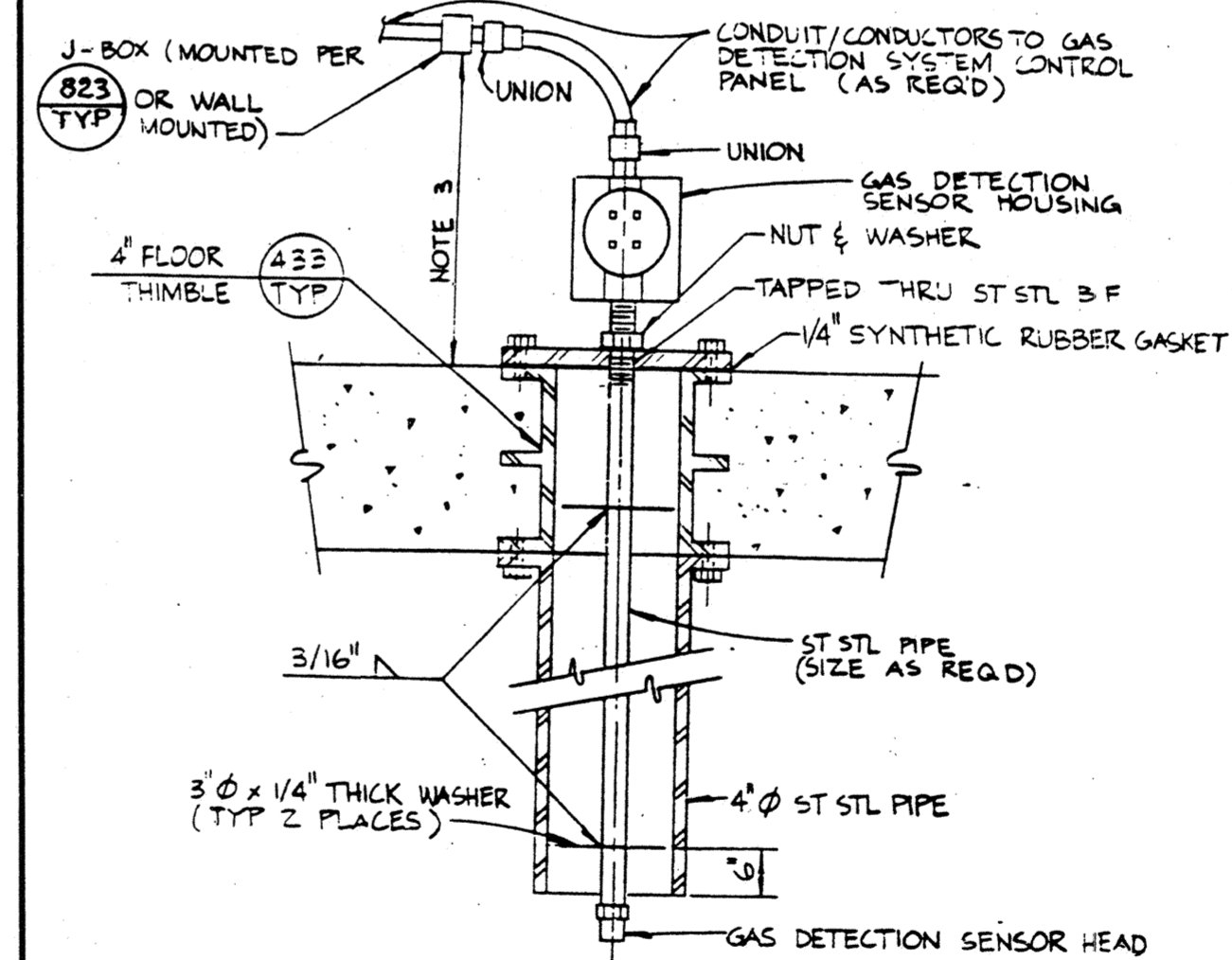
600 EQUIPMENT BASE
TYP



603 ISOLATED EQUIPMENT PAD
TYP



610 ANCHOR BOLT
TYP



723 GAS DETECTION SENSOR ASSEMBLY
TYP

DWG LAST EDITED BY: EPAT USER LOGIN TIME: JANUARY 9, 1997 7:06 AM DWG LAST EDITED ON: 01/09/97 17:05:02
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 XREFS: BOM | CHP | MWD | BEH |

REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

DISCIPLINE ENGINEER

PROJECT ENGINEER

PARTNER



RECORD DRAWING

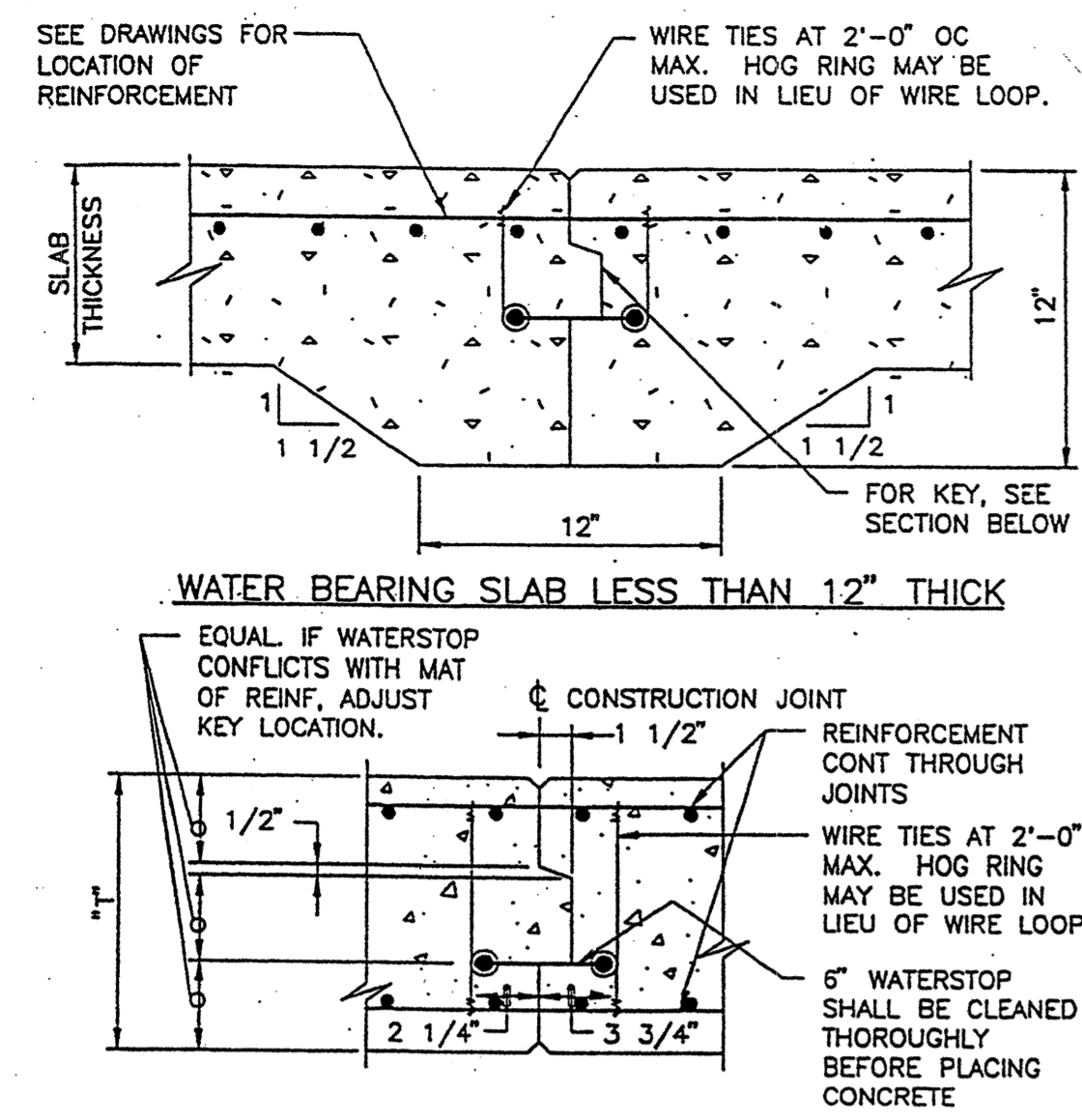
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

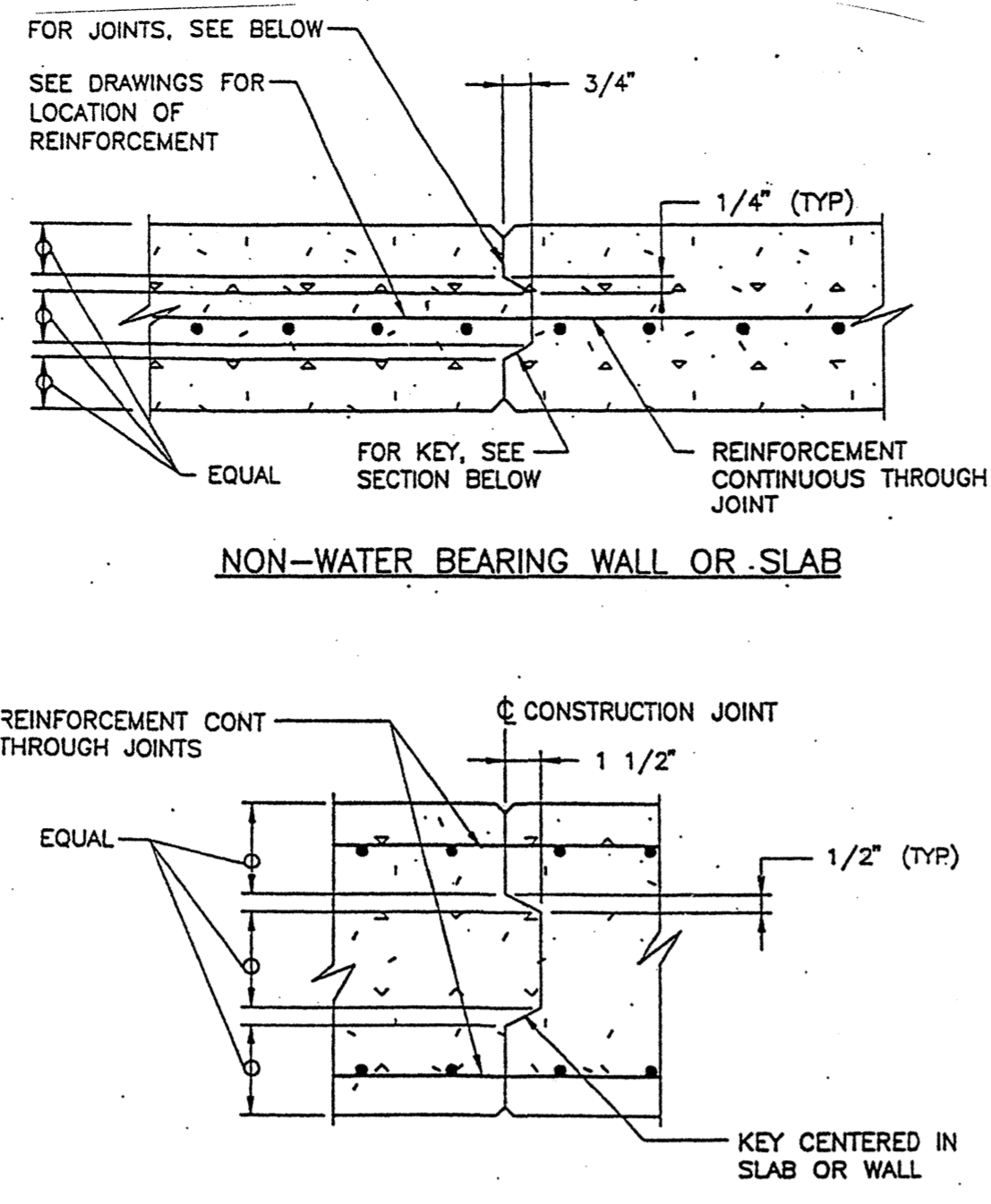
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DESIGNED: TFT/BEH	DRAWN: CE		SHEET NO. 46 of 100
CHECKED: DJ	AS BUILT BY: PG		JOB NO. 3385D.10

4006.45 Ca

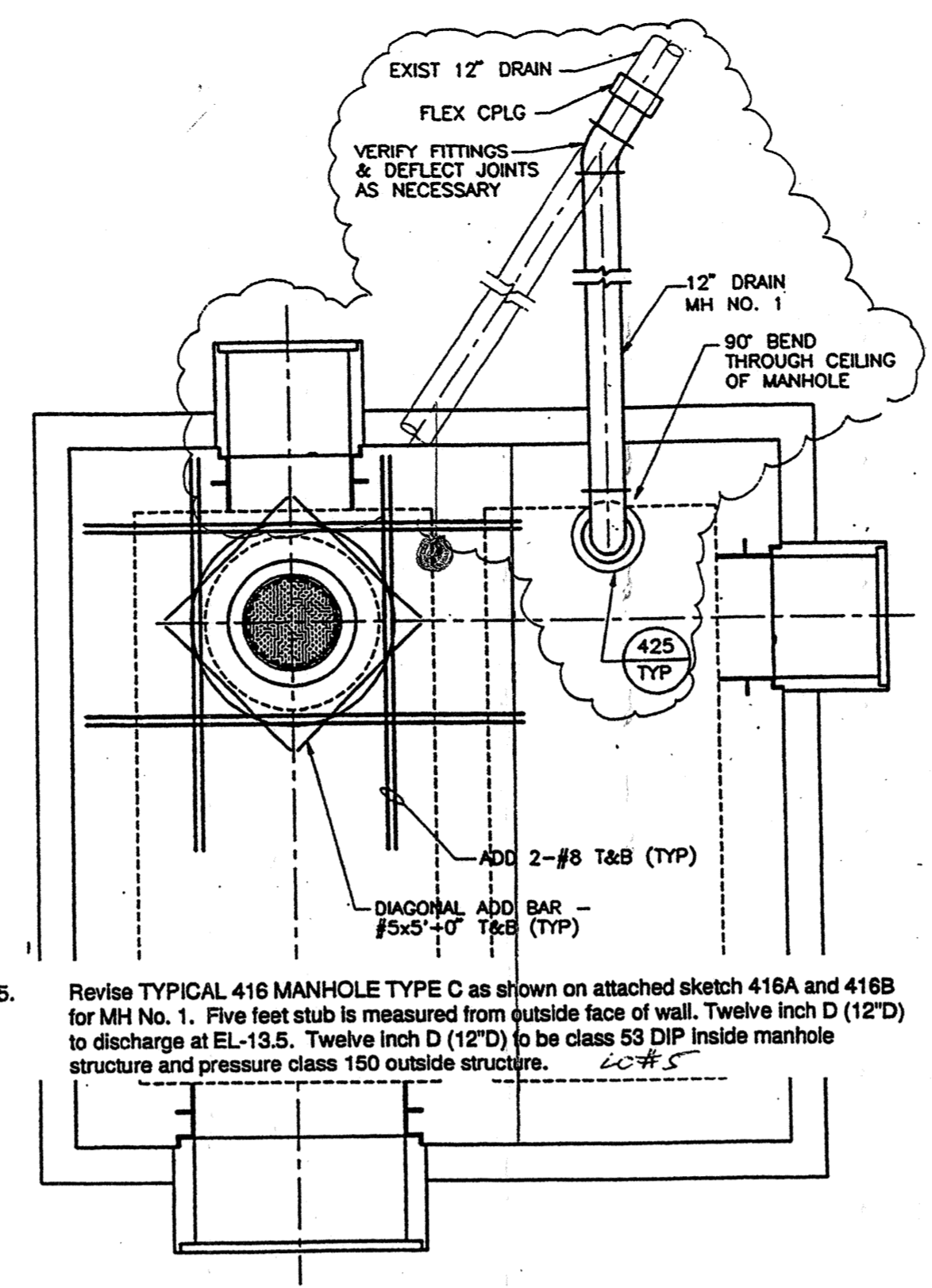


- NOTES:
- SANDBLAST JOINT AND REINFORCEMENT PRIOR TO PLACING CONCRETE FOR NEXT SLAB OR WALL.
 - FOR WALLS, FORM ALL JOINT EDGES AT 1/4" CHAMFER.
 - FOR SLABS, EDGE TOP OF EXPOSED JOINT EDGES AT 1/4" RADIUS.
 - FOR UNDERSIDE OF EXPOSED SLABS, FORM JOINT EDGES AT 1/4" CHAMFER.

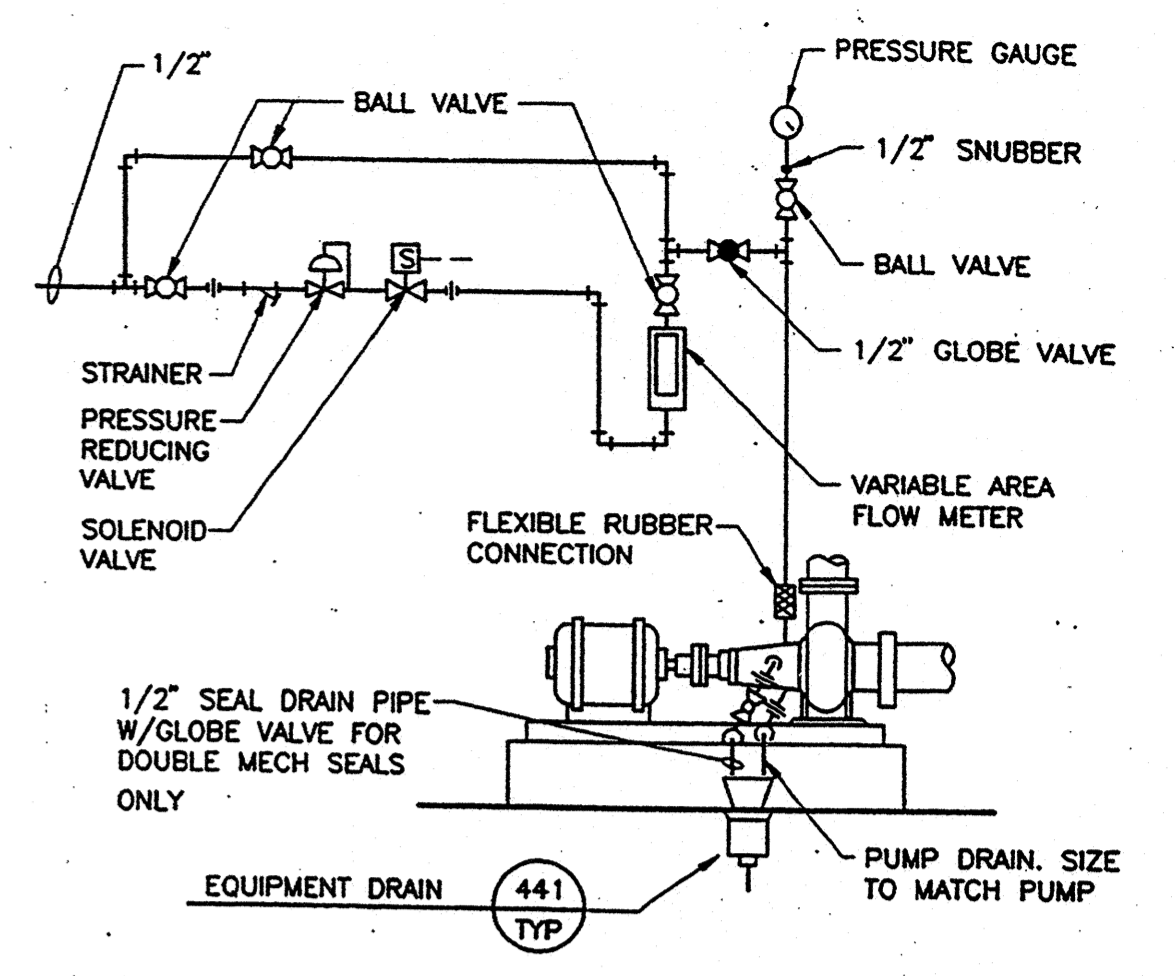
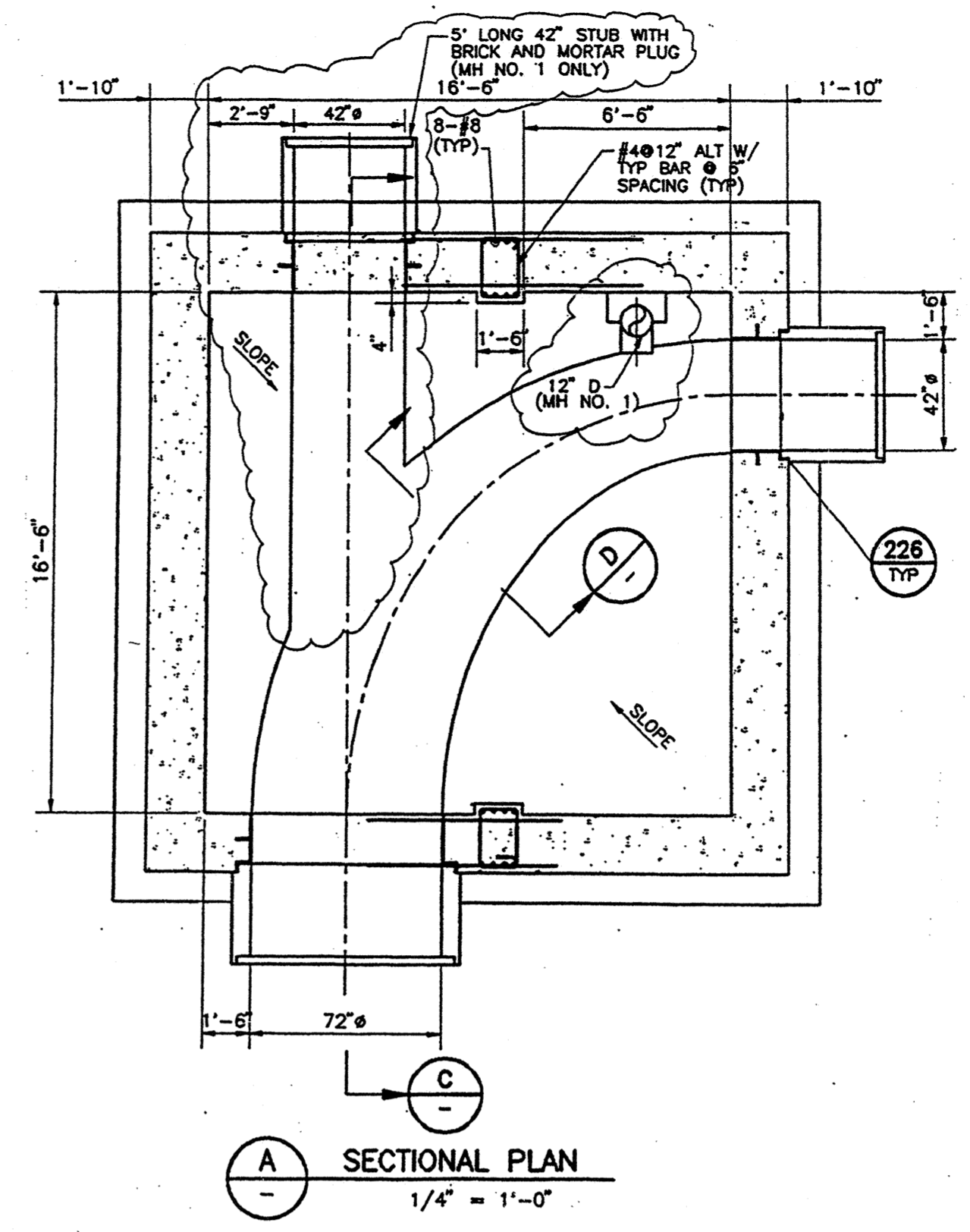
20 CONSTRUCTION JOINT
TYP s SHEET 2 OF 2 11-01-96



20 CONSTRUCTION JOINT
TYP s SHEET 1 OF 2 11-01-96

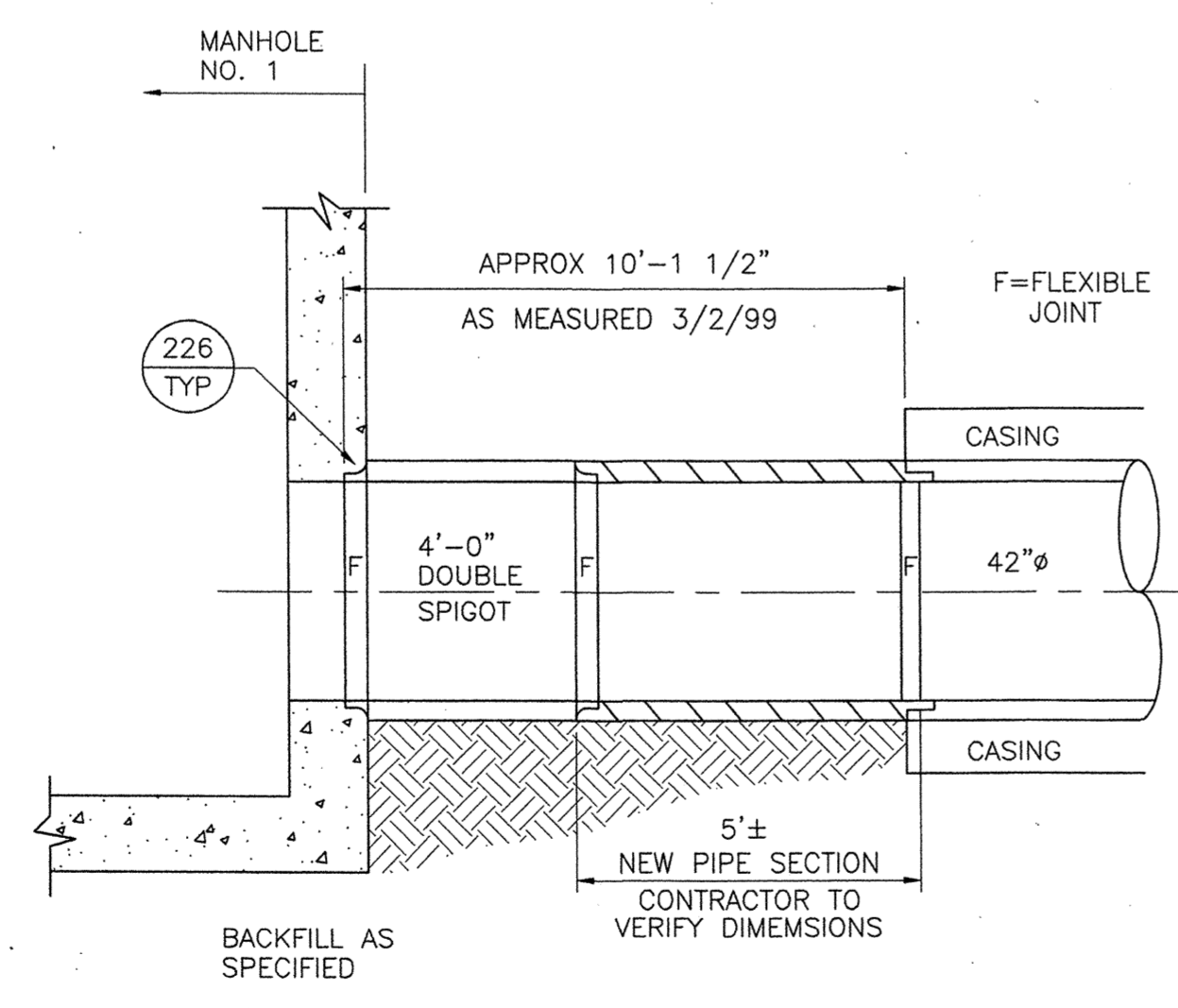
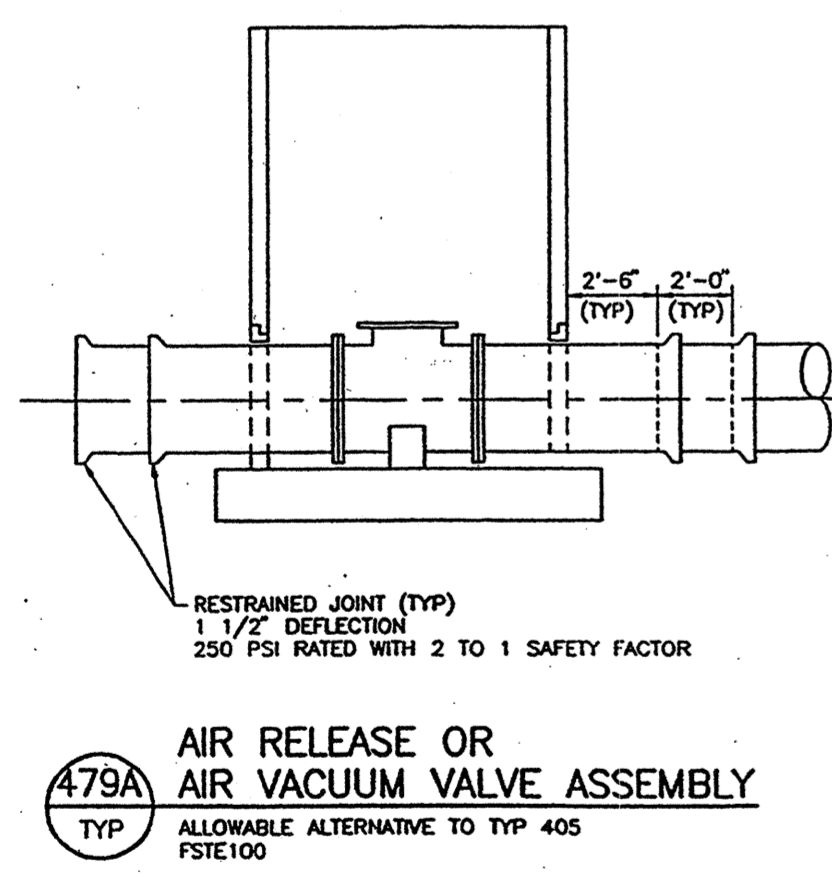


416A MANHOLE TYPE "C"
TYP



- NOTES:
- THIS INSTALLATION IS TO BE USED AT ALL PUMPS WITH WATER SEAL/FLUSH.
 - FLOW METER CAPACITY AND PIPING SYSTEM SHALL MEET PUMP AND SEAL MANUFACTURERS REQUIREMENTS.
 - UNLESS SPECIFIED OTHERWISE, ALL PIPING SHALL BE GSP.
 - EQUIPMENT WALL MOUNTED IF NEAREST WALL IS WITHIN TEN FEET OF PUMP. IF PUMP IS NOT WITHIN 10 FEET OF WALL, MOUNT ON ALUMINUM STAND. SEE E310 FOR ALUMINUM STAND MOUNTING DETAIL.
 - WHERE A DRIP PAN IS SPECIFIED AND/OR PROVIDED ON THE PUMP BASE A SEPARATE DRAIN LINE TO THE EQUIPMENT DRAIN SHALL BE PROVIDED.

490 WATER SEAL PIPING
TYP 11-01-96



REV.	DATE	BY	DESCRIPTION
1			RECORD DRAWINGS (NEW SHEET ADDED)

DISCIPLINE ENGINEER

PROJECT ENGINEER

PARAS

REVISOR FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

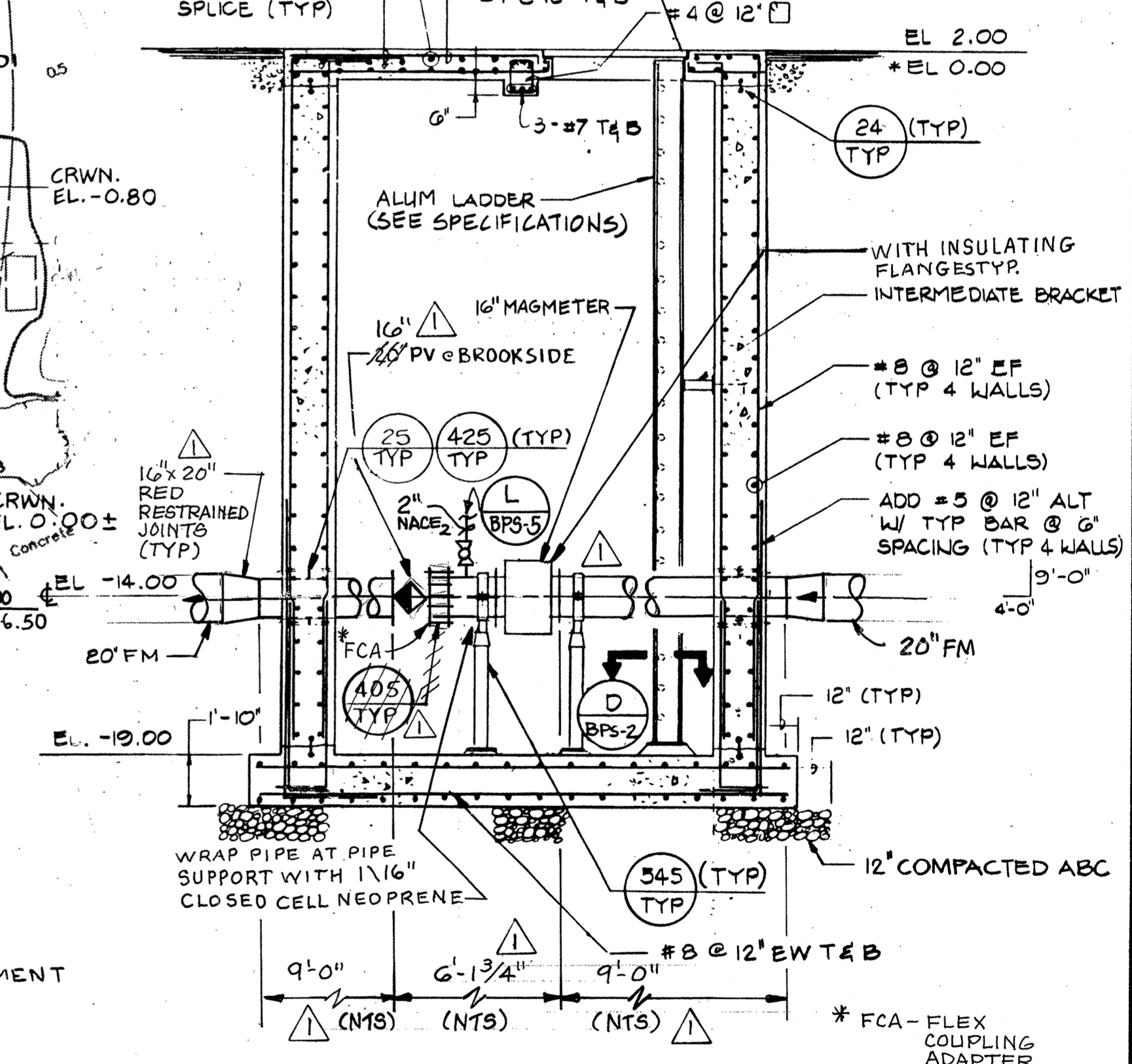
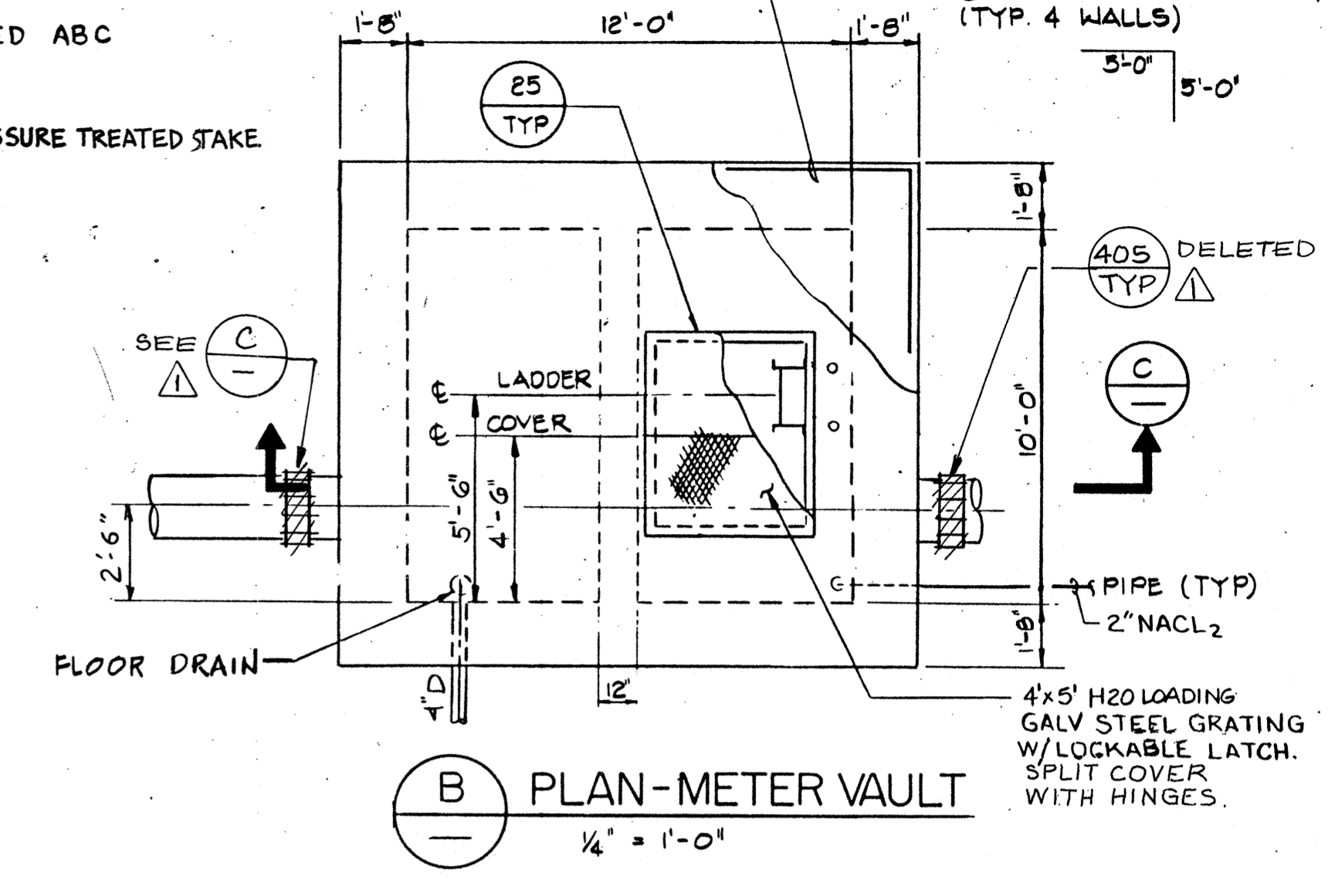
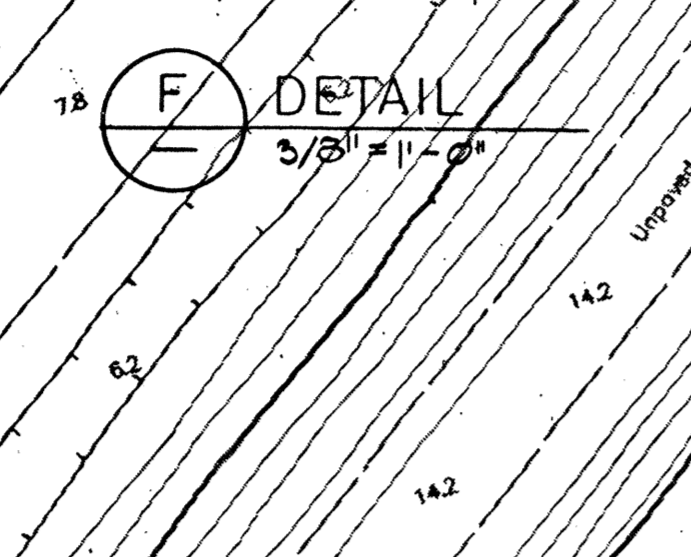
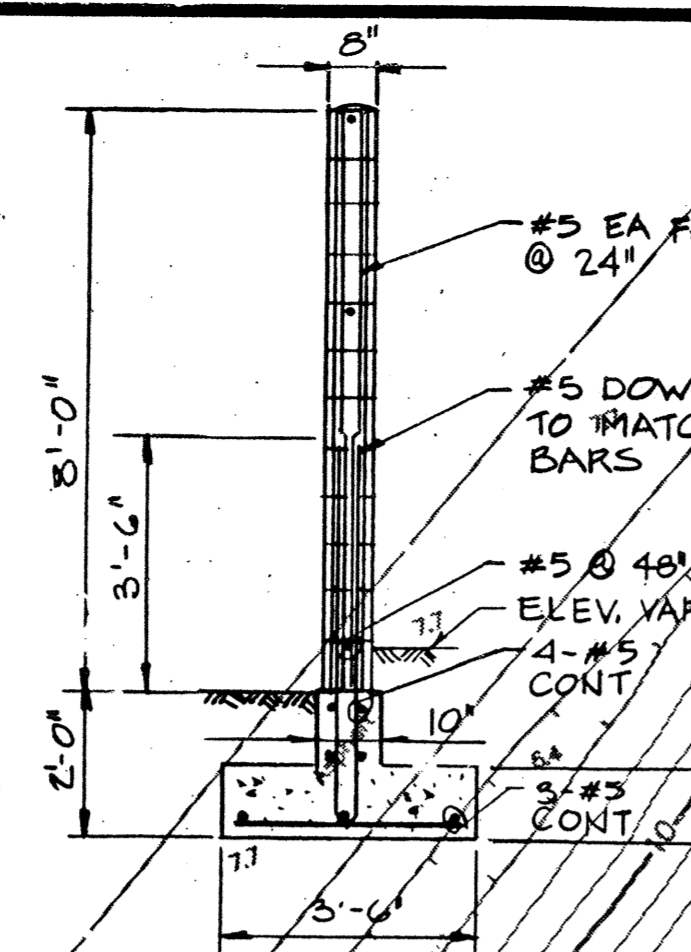
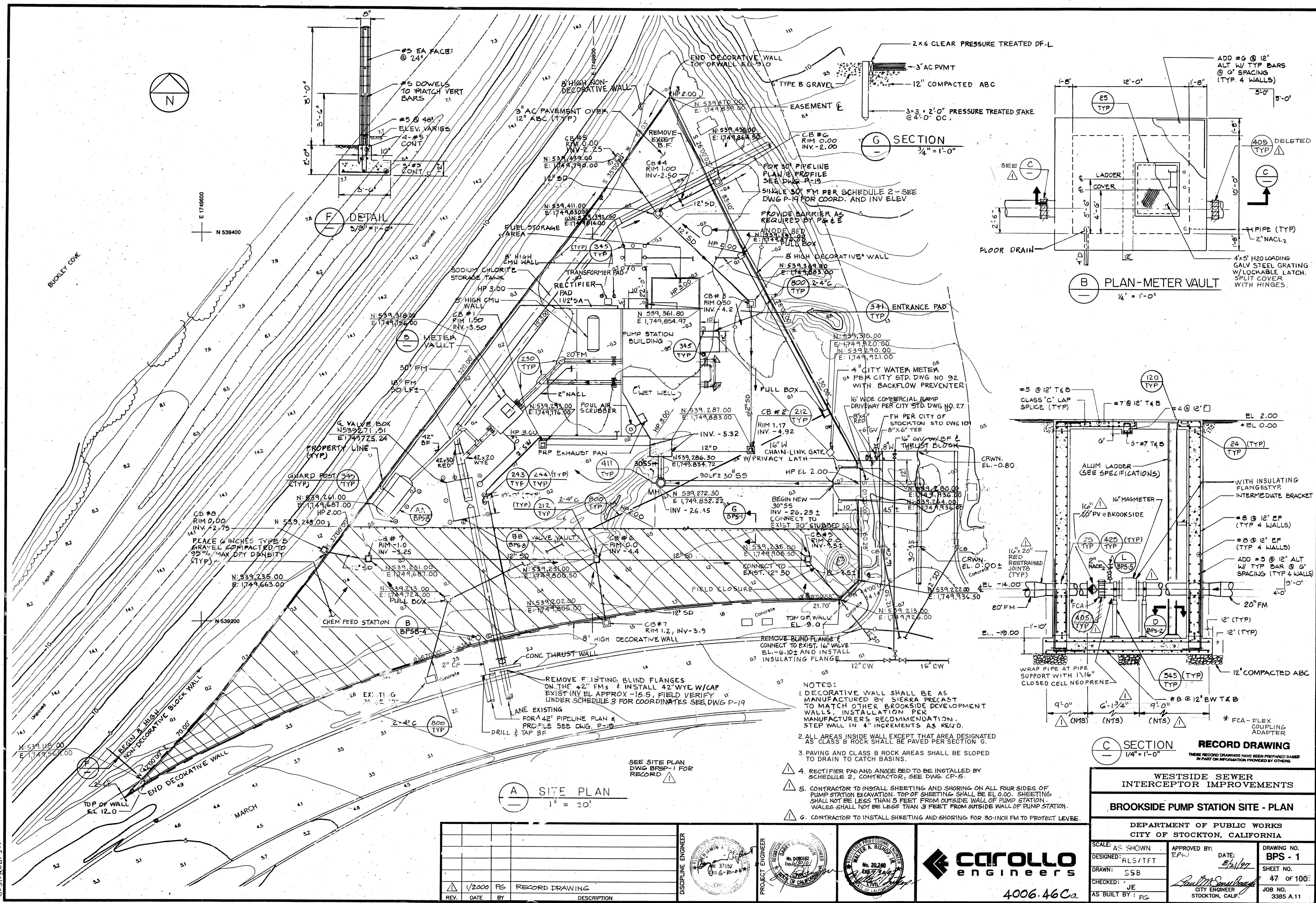
TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: — APPROVED BY: DATE: JAN 2000 DRAWING NO. T-13R SHEET NO. 46A OF 100 JOB NO. 3385F.10

DESIGNED: BEH
DRAWN: PG
CHECKED: PG
AS BUILT BY: PG

CITY ENGINEER
STOCKTON, CALIF.



A SITE PLAN
1" = 20'

G SECTION
3/4" = 1'-0"

B PLAN-METER VAULT
1/4" = 1'-0"

C SECTION
1/4" = 1'-0"

- NOTES:**
1. DECORATIVE WALL SHALL BE AS MANUFACTURED BY SIERRA PRECAST TO MATCH OTHER BROOKSIDE DEVELOPMENT WALLS. INSTALLATION PER MANUFACTURERS RECOMMENDATION. STEP WALL IN 4" INCREMENTS AS REQ'D.
 2. ALL AREAS INSIDE WALL EXCEPT THAT AREA DESIGNATED AS CLASS B ROCK SHALL BE PAVED PER SECTION G.
 3. PAVING AND CLASS B ROCK AREAS SHALL BE SLOPED TO DRAIN TO CATCH BASINS.
 4. RECTIFIER PAD AND ANODE BED TO BE INSTALLED BY SCHEDULE 2, CONTRACTOR, SEE DWG. CP-5.
 5. CONTRACTOR TO INSTALL SHEETING AND SHORING ON ALL FOUR SIDES OF PUMP STATION EXCAVATION. TOP OF SHEETING SHALL BE EL. 0.00. SHEETING SHALL NOT BE LESS THAN 5 FEET FROM OUTSIDE WALL OF PUMP STATION. WALES SHALL NOT BE LESS THAN 3 FEET FROM OUTSIDE WALL OF PUMP STATION.
 6. CONTRACTOR TO INSTALL SHEETING AND SHORING FOR 30-INCH FM TO PROTECT LEVEE.

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

BROOKSIDE PUMP STATION SITE - PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: R.P.W.	DATE: 8/21/07	DRAWING NO. BPS-1
DESIGNED: RLS/TFT			SHEET NO. 47 OF 100
DRAWN: SSB			JOB NO. 3385 A.11
CHECKED: JE			
AS BUILT BY: PG			

REV.	DATE	BY	DESCRIPTION
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

DISCIPLINE ENGINEER: [Signature]

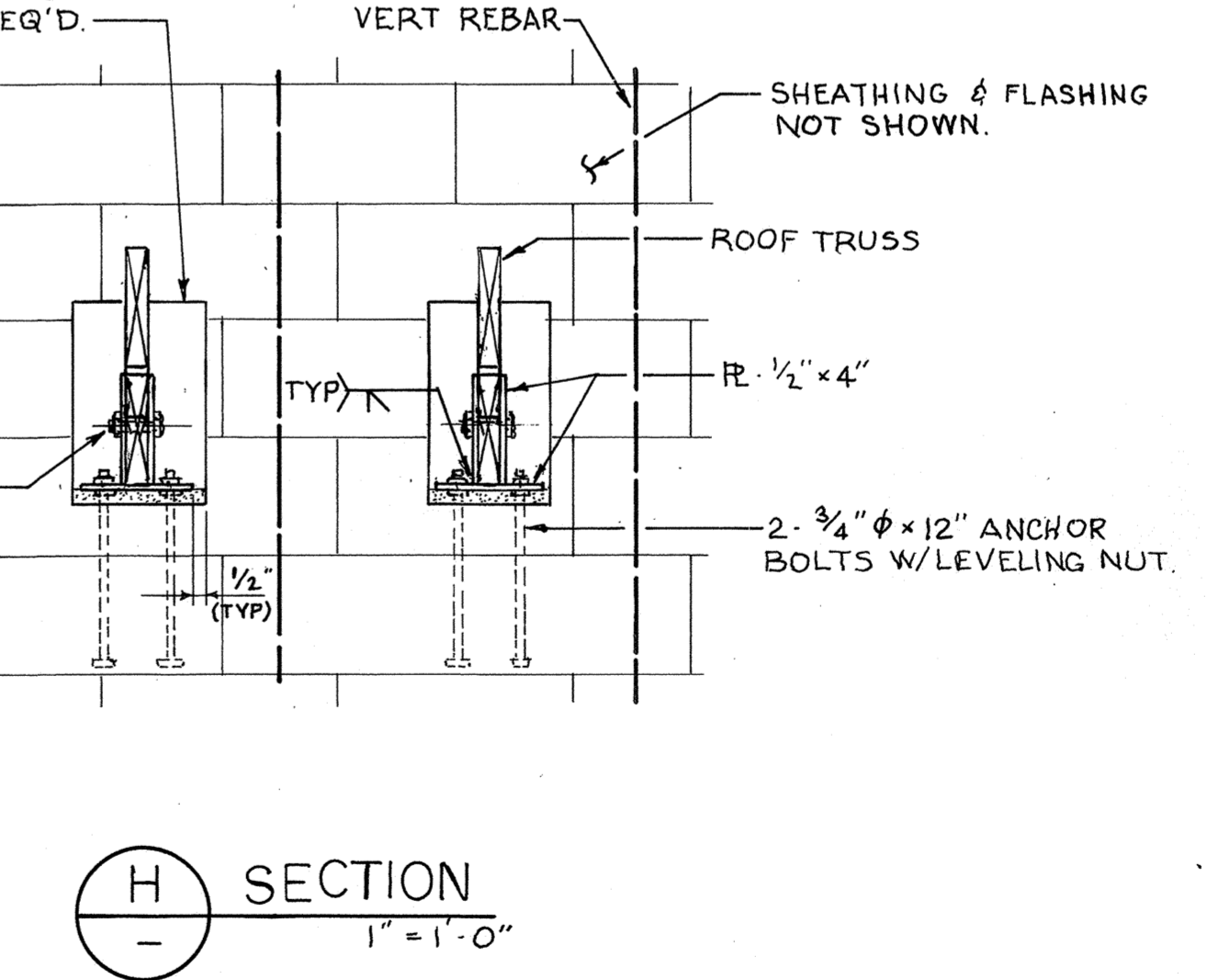
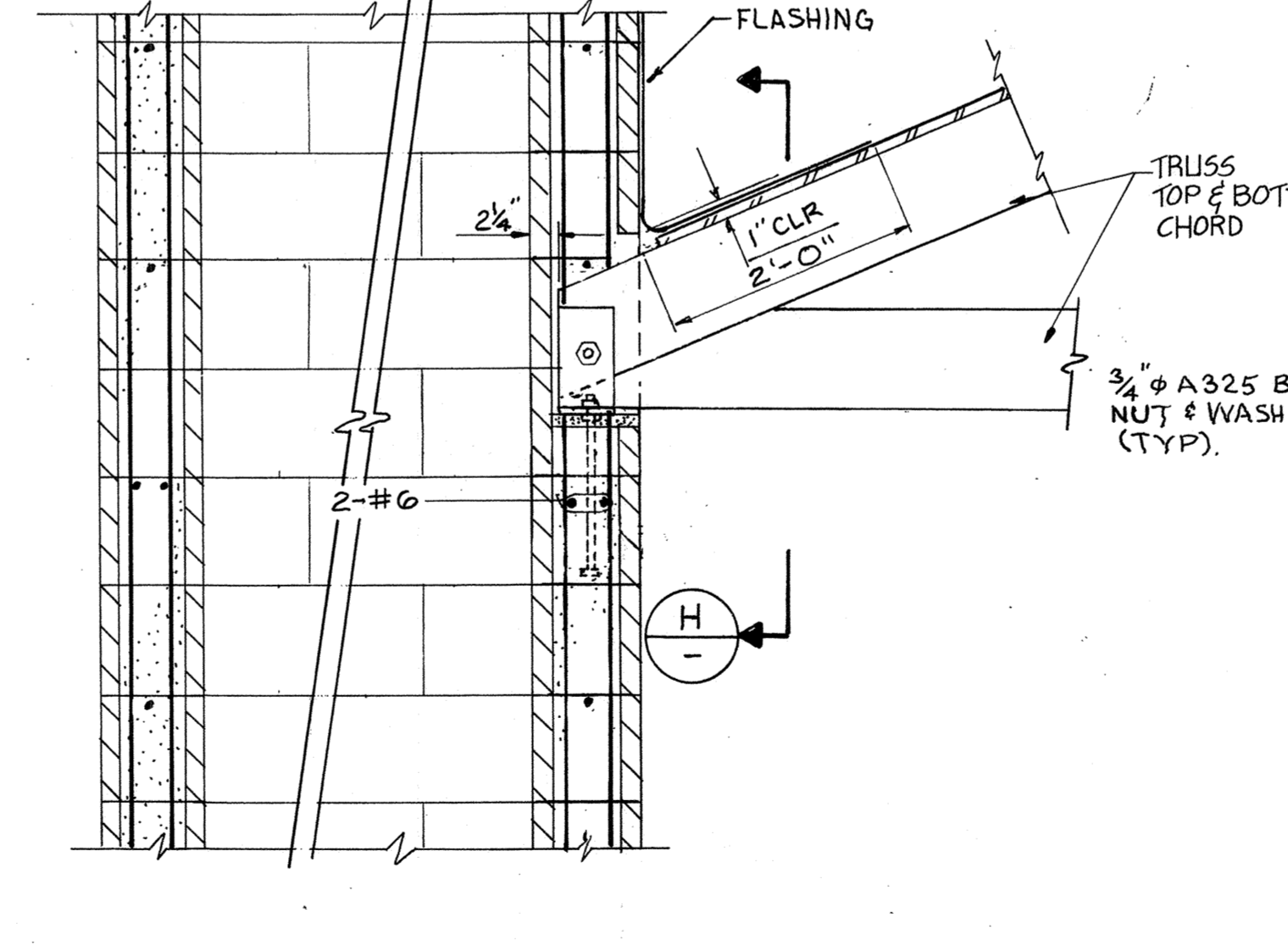
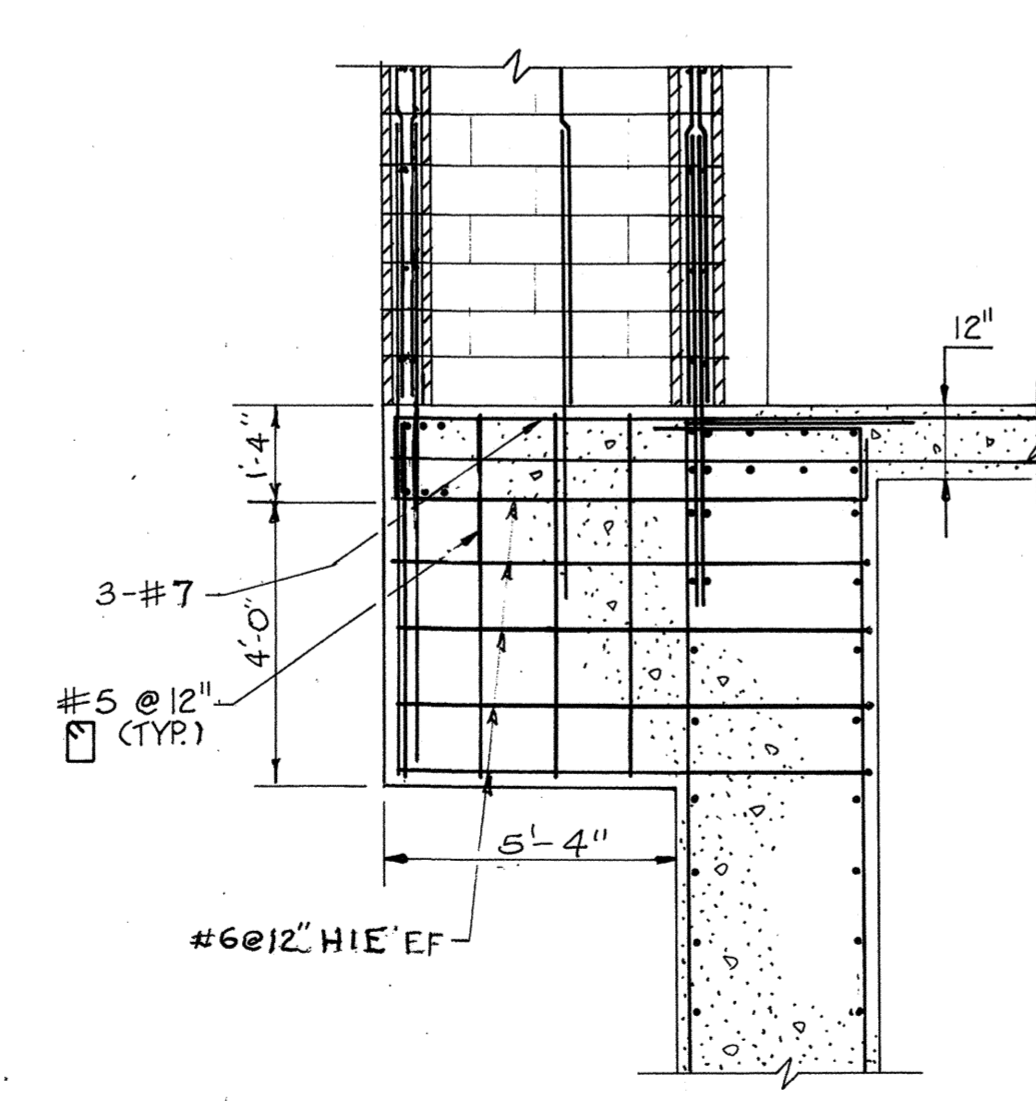
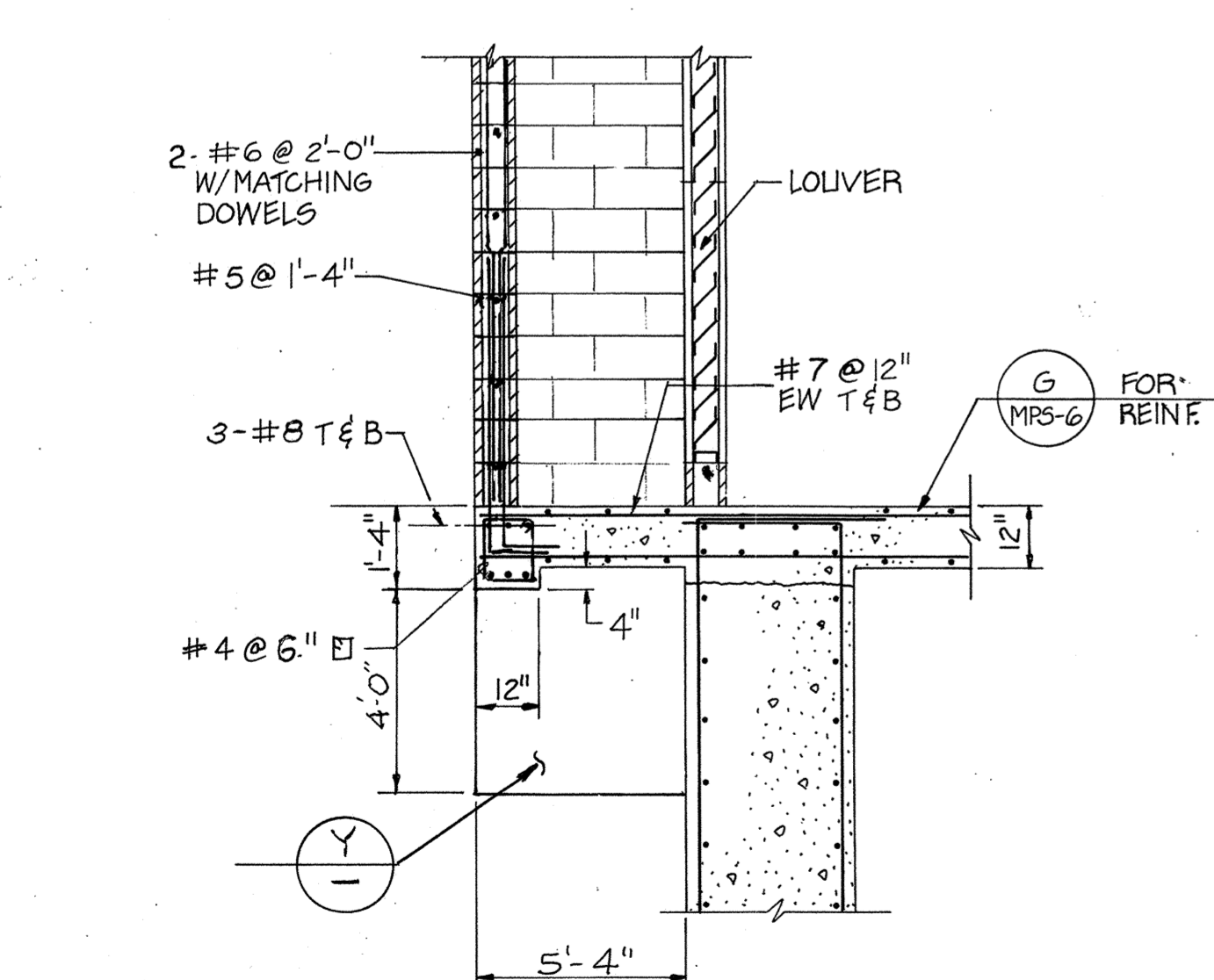
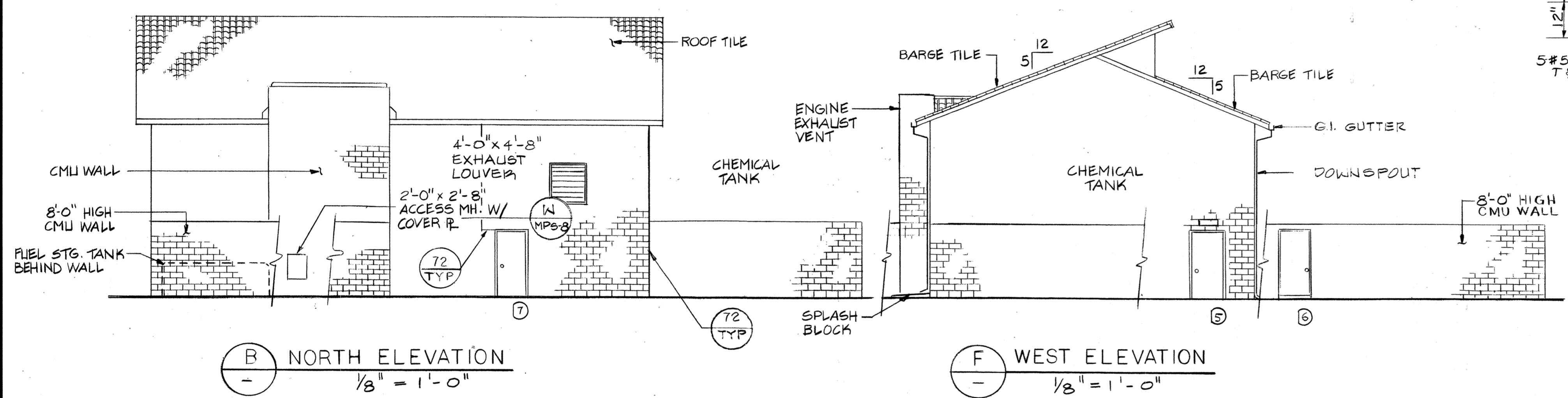
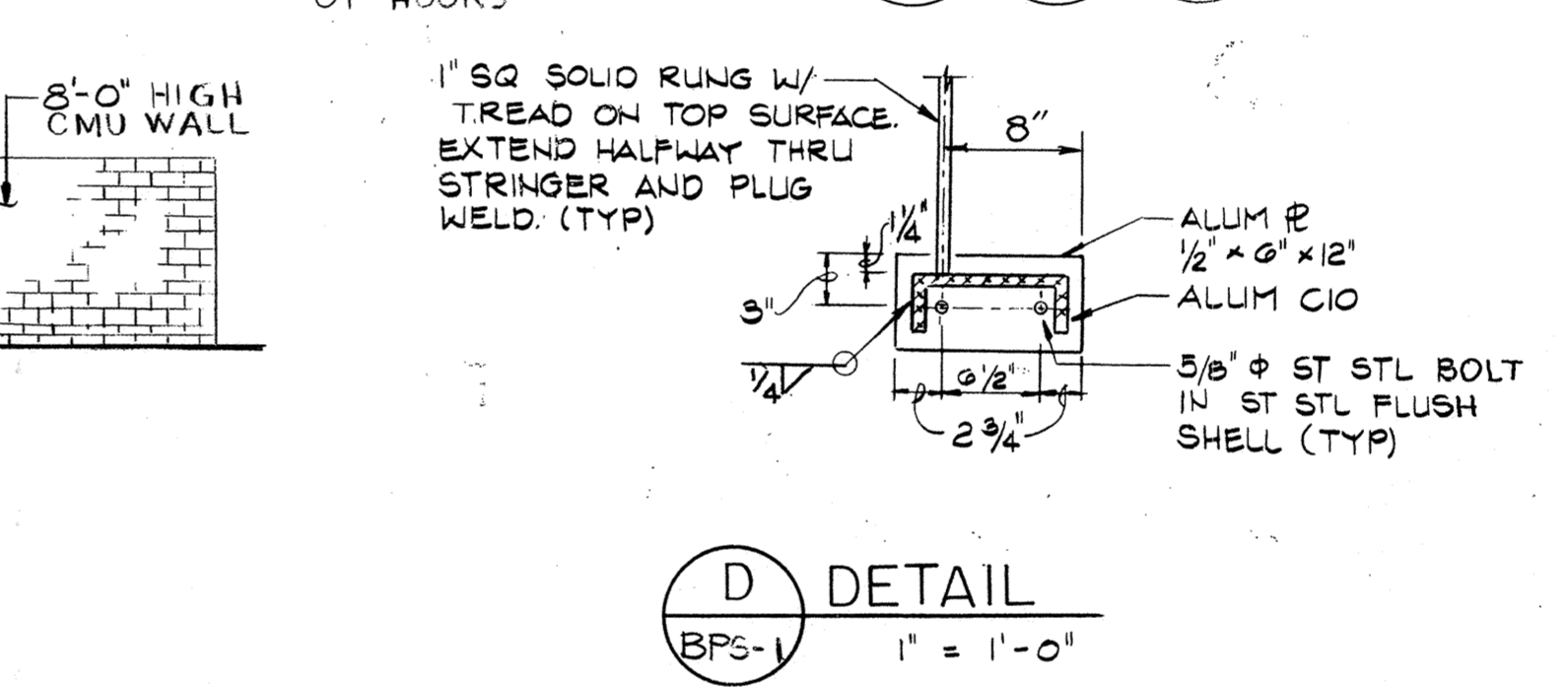
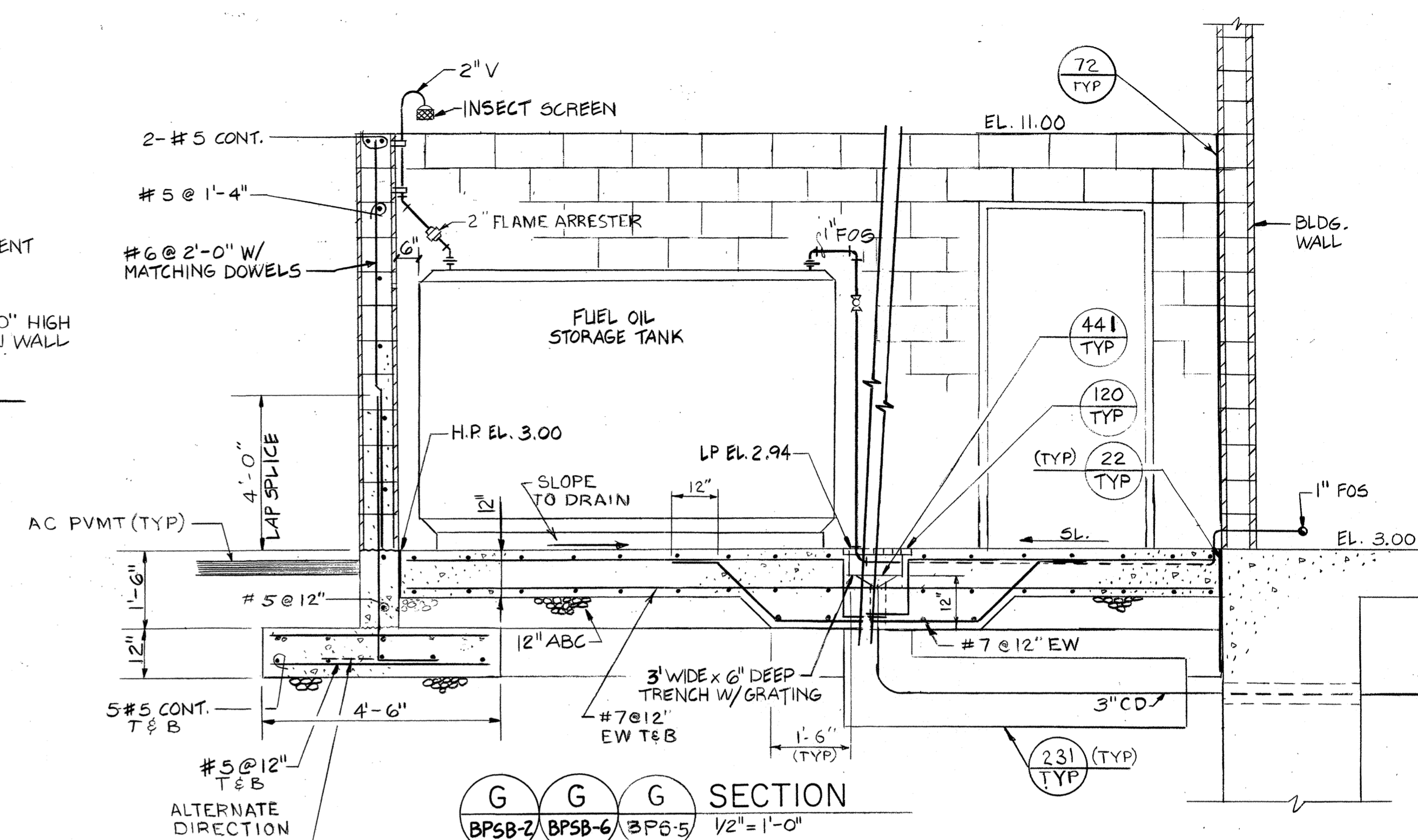
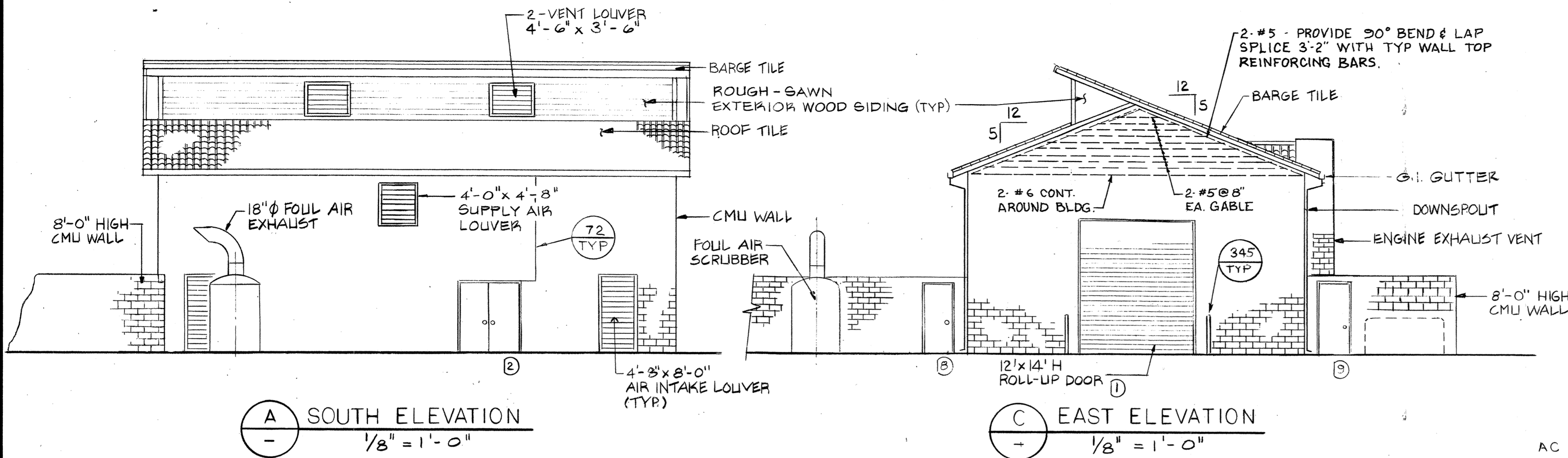
PROJECT ENGINEER: [Signature]

REGISTERED PROFESSIONAL ENGINEER: [Signature]

carollo engineers

4006.46Ca

BPS-1, BPS-2, BPS-3, BPS-4, BPS-5, BPS-6, BPS-7, BPS-8, BPS-9, BPS-10



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED UPON THE INFORMATION PROVIDED BY OTHERS.

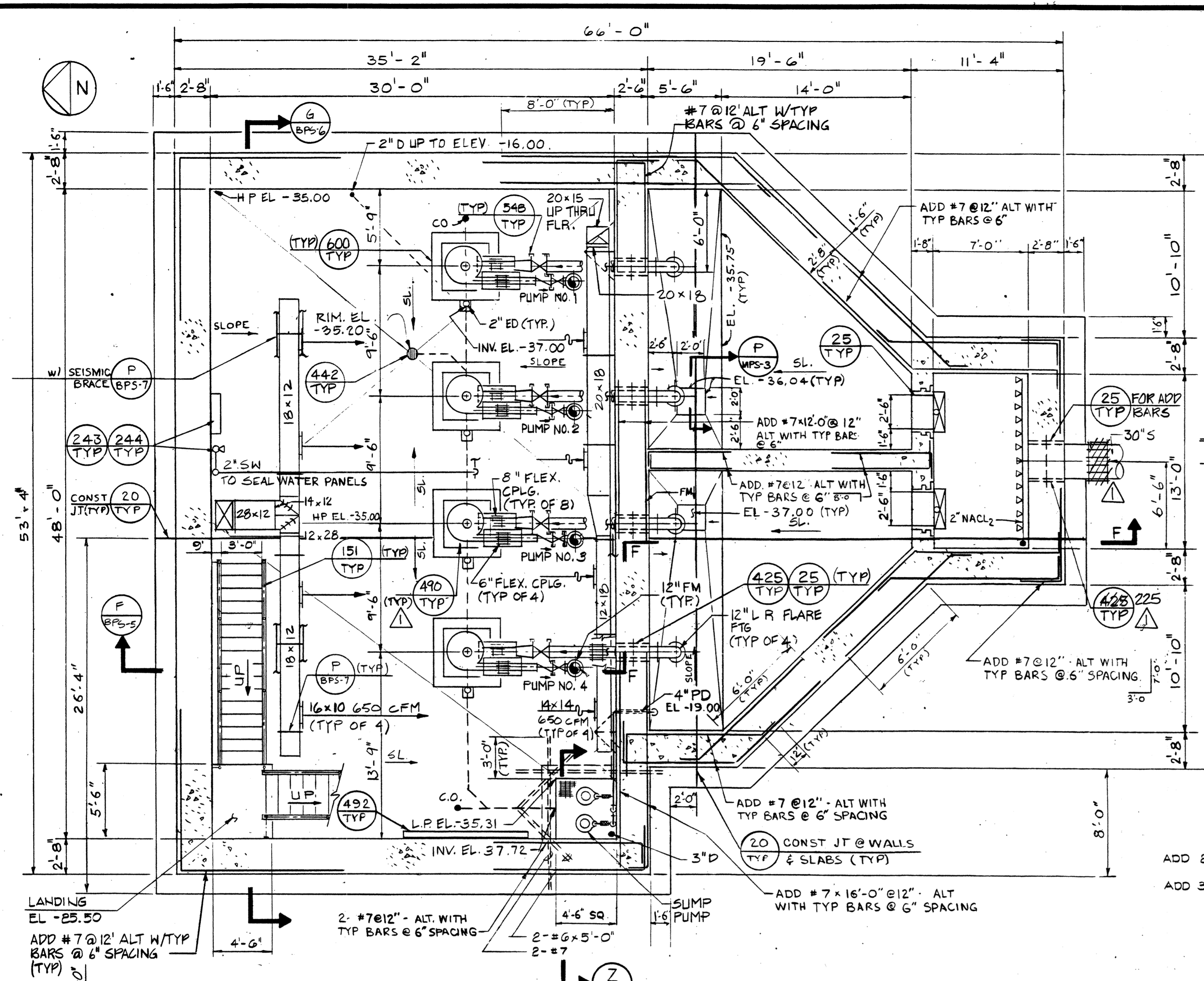
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
ELEVATIONS, SECTIONS & DETAIL		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DRAWING NO. BPS-2
DESIGNED: BS	DATE: 9/1/97	SHEET NO. 48 OF 100
DRAWN: SSB/LE	CITY ENGINEER <i>[Signature]</i>	JOB NO. 3385 A.11
CHECKED: JE	STOCKTON, CALIF.	
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION

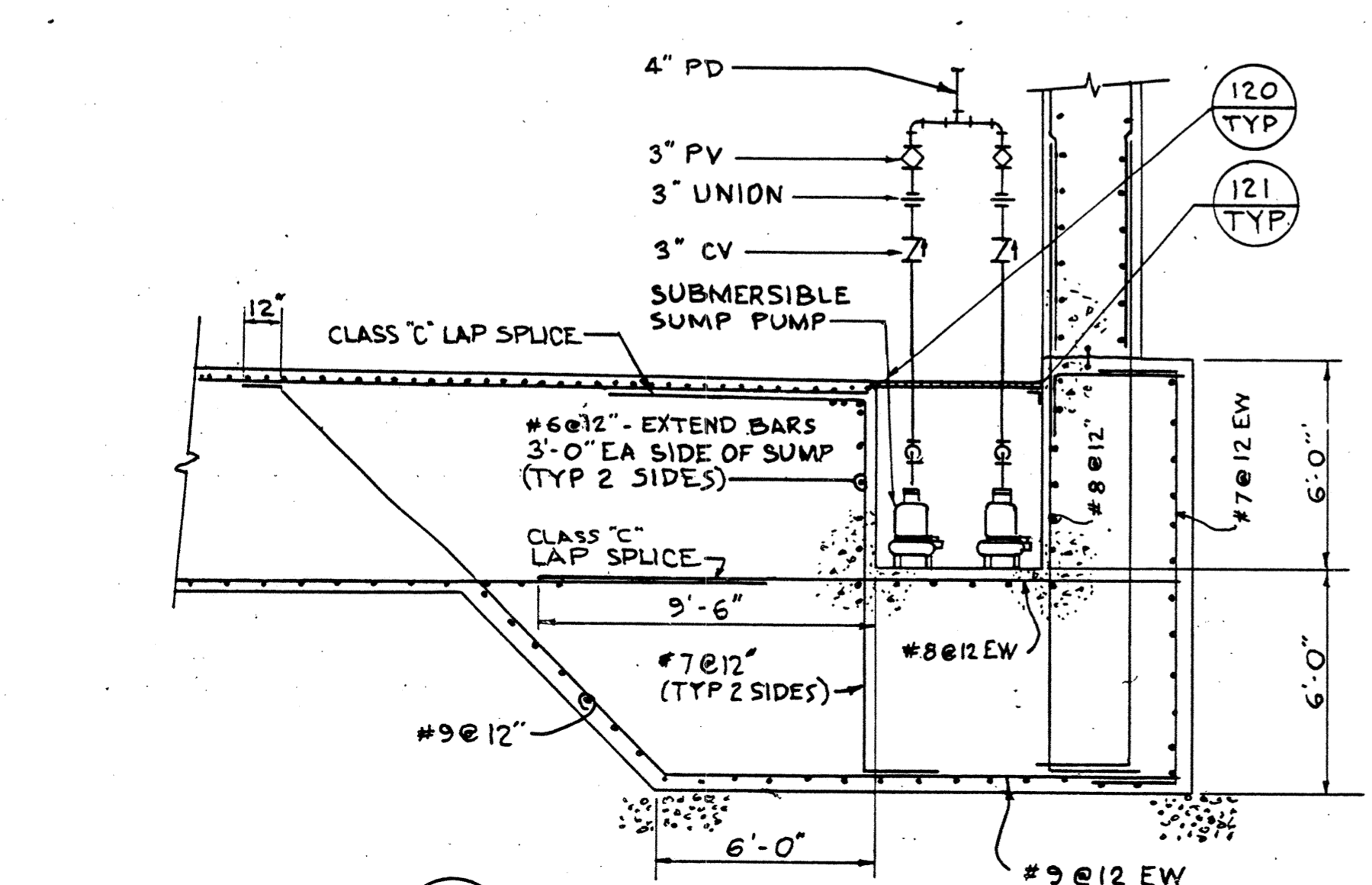
DISCIPLINE ENGINEER: *[Signature]*
 PROJECT ENGINEER: *[Signature]*
 PARTNER: *[Signature]*



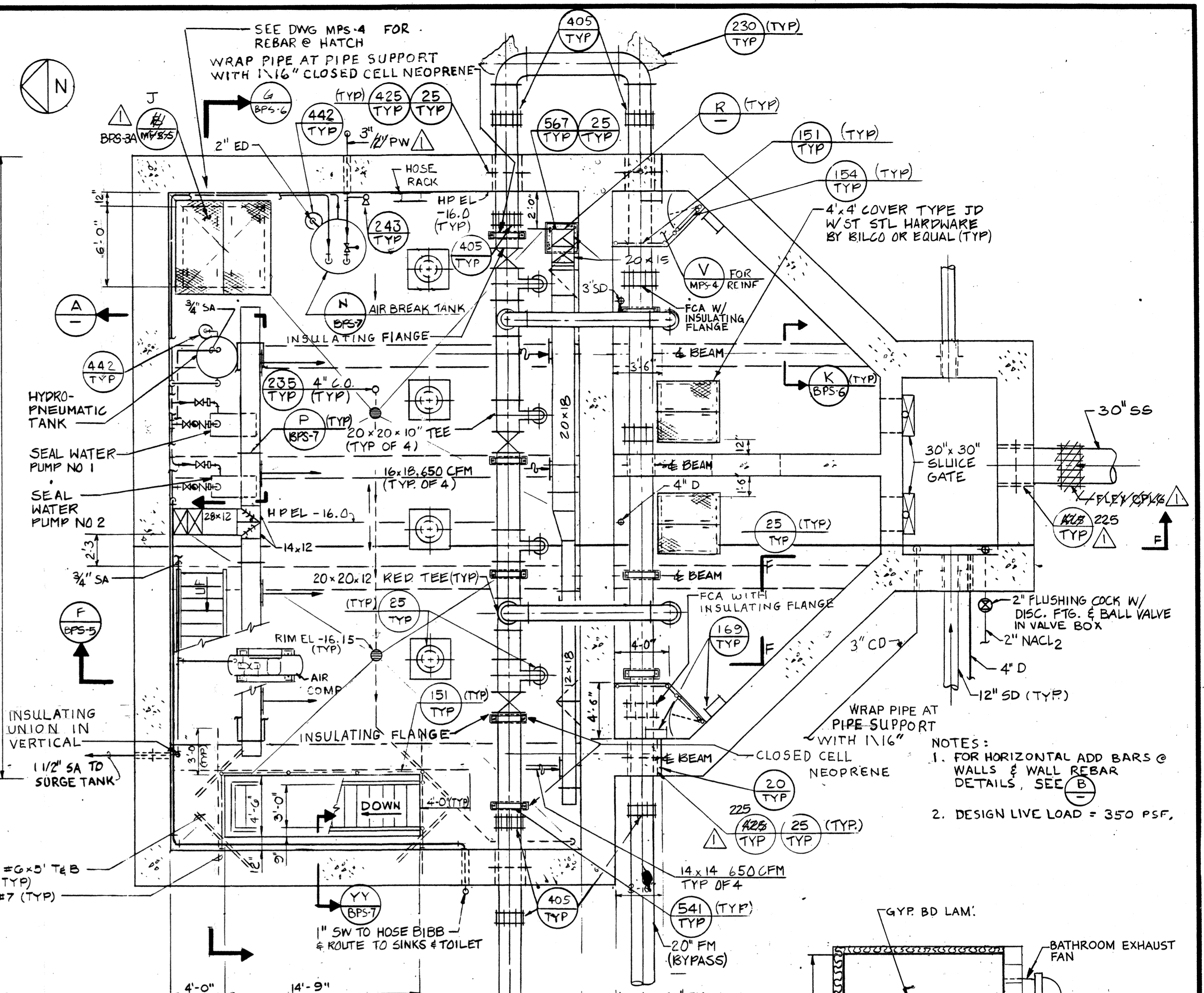
4006.47Ca



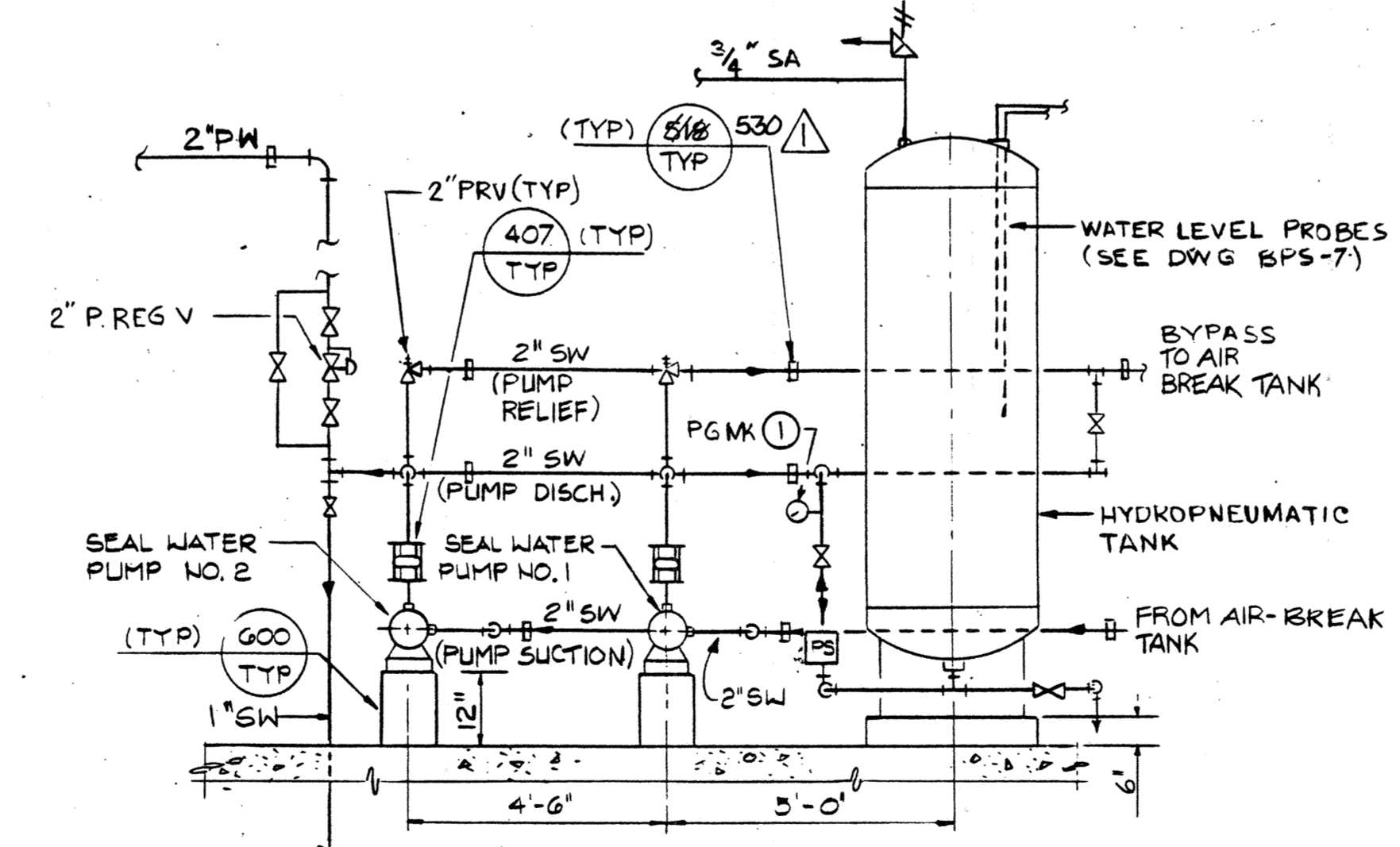
B PLAN-FLOOR AT EL -35.00
3/16" = 1'-0"



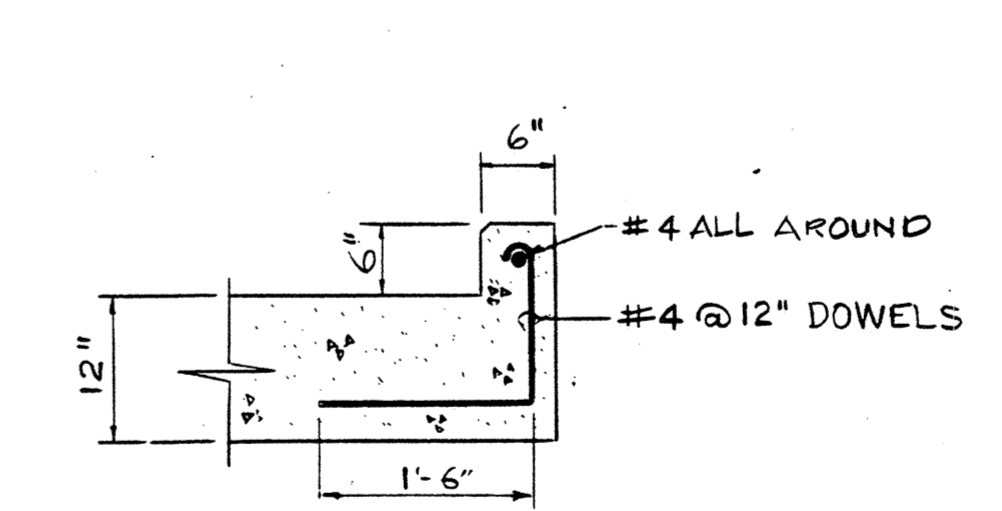
Z SECTION
1/4" = 1'-0"



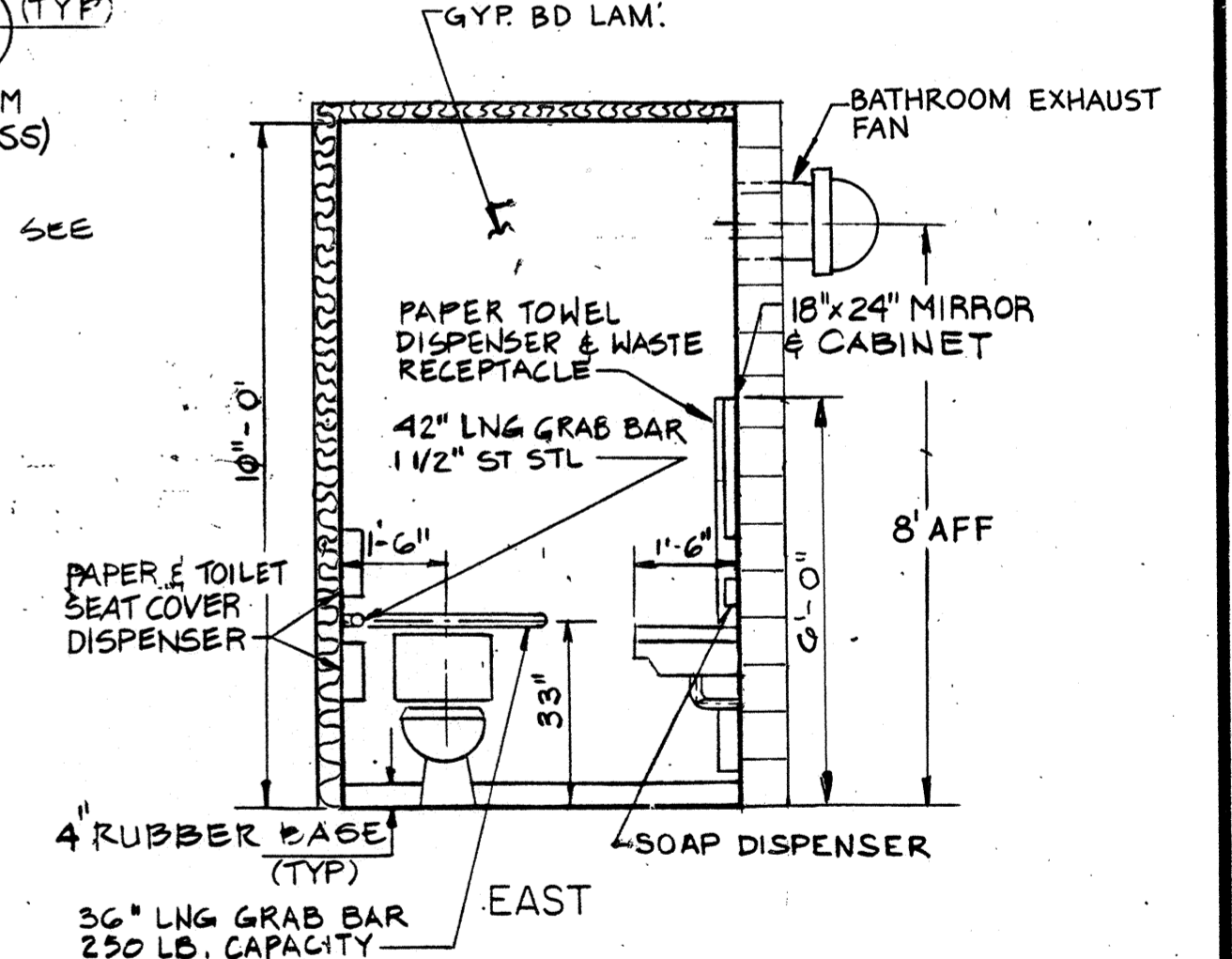
C PLAN-FLOOR AT EL -16.00
3/16" = 1'-0"



A SECTION
3/8" = 1'-0"



R DETAIL-CURB
3/4" = 1'-0"



CC WASHROOM
3/8" = 1'-0"

- NOTES:
1. FOR HORIZONTAL ADD BARS @ WALLS & WALL REBAR DETAILS, SEE (B)
2. DESIGN LIVE LOAD = 350 PSF.

NOTE: FLOOR LIVE LOAD = 100 PSF.

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BY THE ENGINEER IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

FLOOR PLAN EL. - 35.00, EL. - 16.00 & SECTIONS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

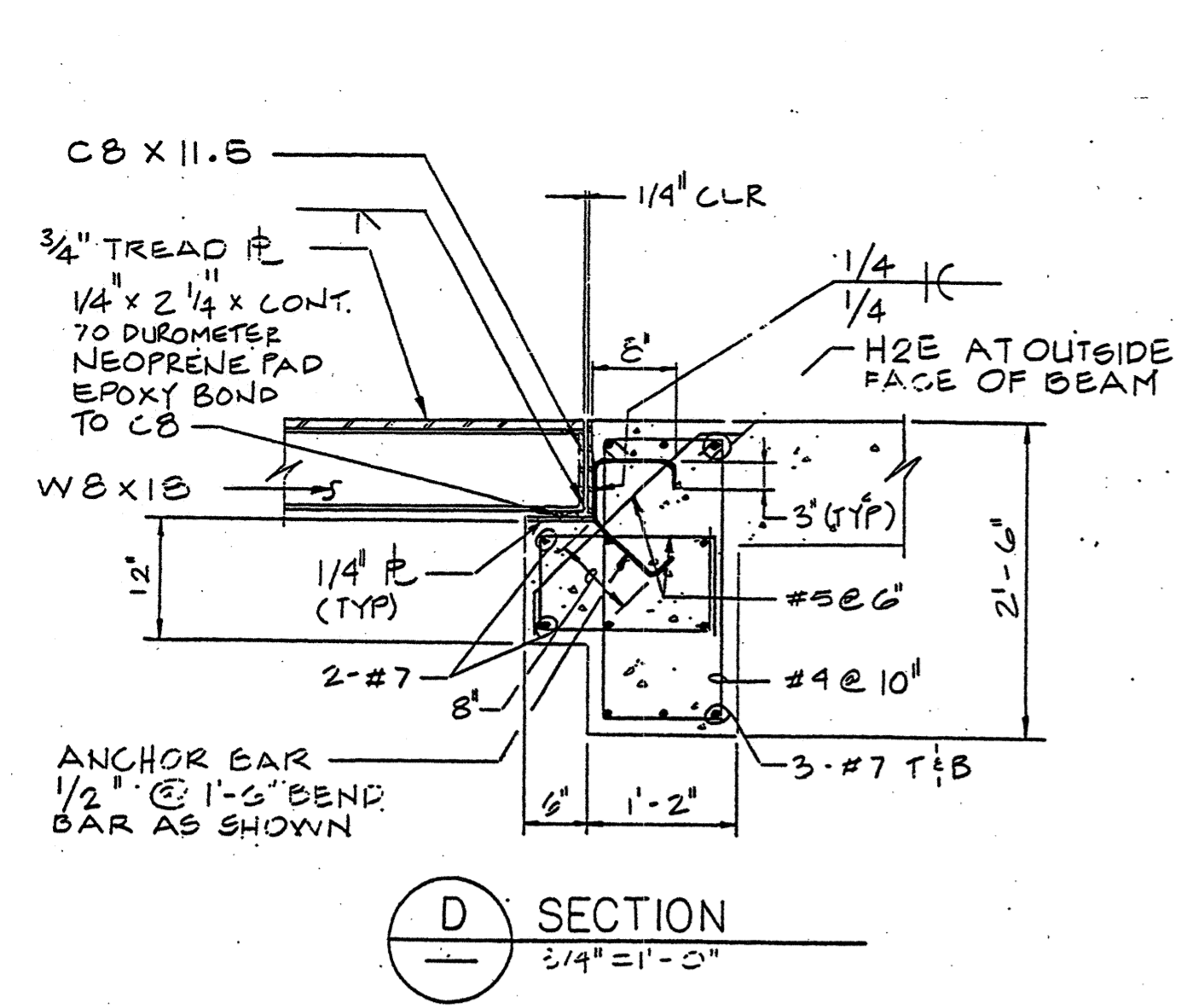
SCALE: AS SHOWN	APPROVED BY: R.P.W.	DRAWING NO. BPS - 3
DESIGNED: BS	DATE: 8/1/77	SHEET NO. 49 OF 100
DRAWN: SSB/LE	CITY ENGINEER	JOB NO. 3385 A.11
CHECKED: JE	STOCKTON, CALIF.	
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

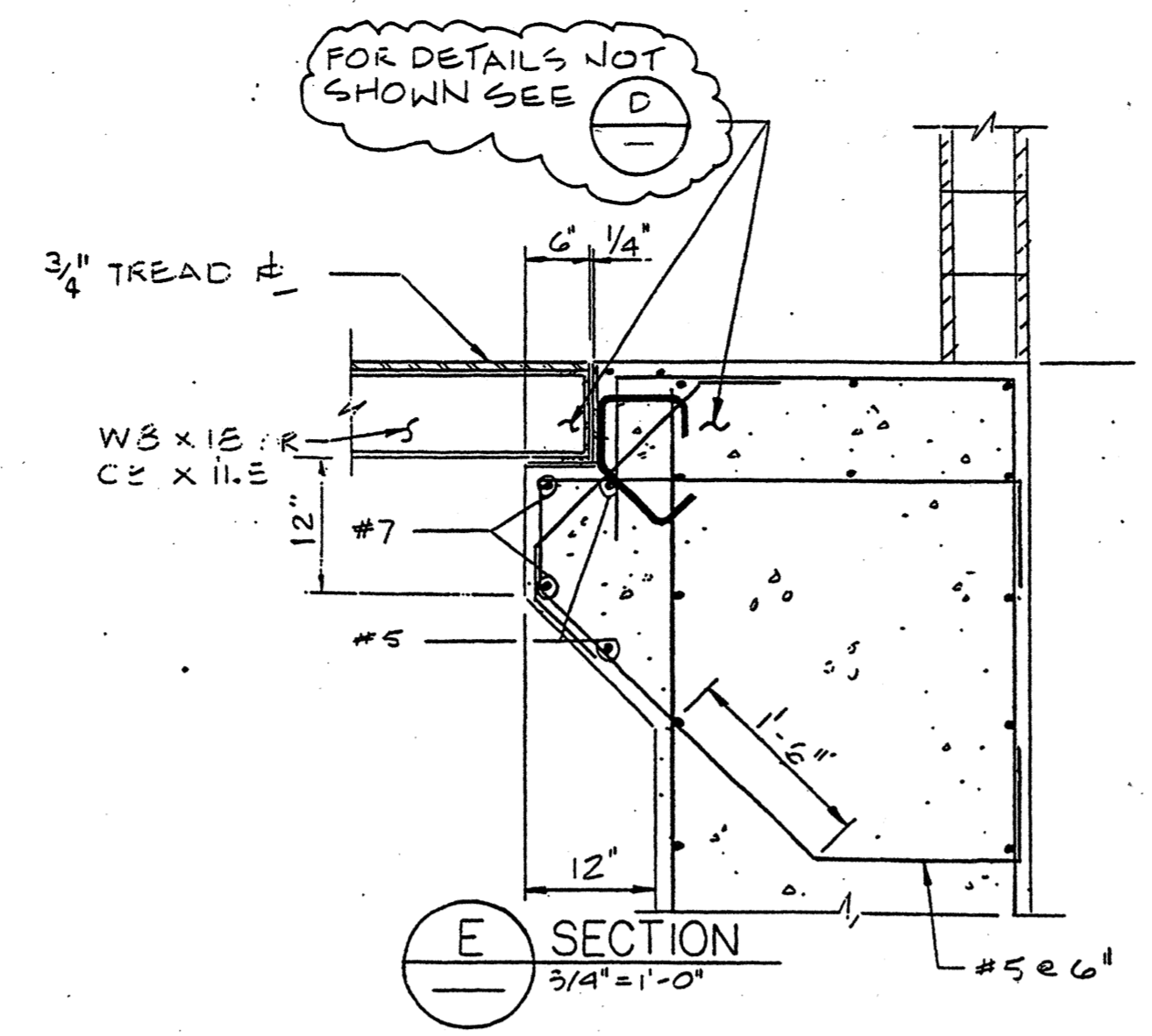
DISCIPLINE ENGINEER
PROJECT ENGINEER
PARTNER



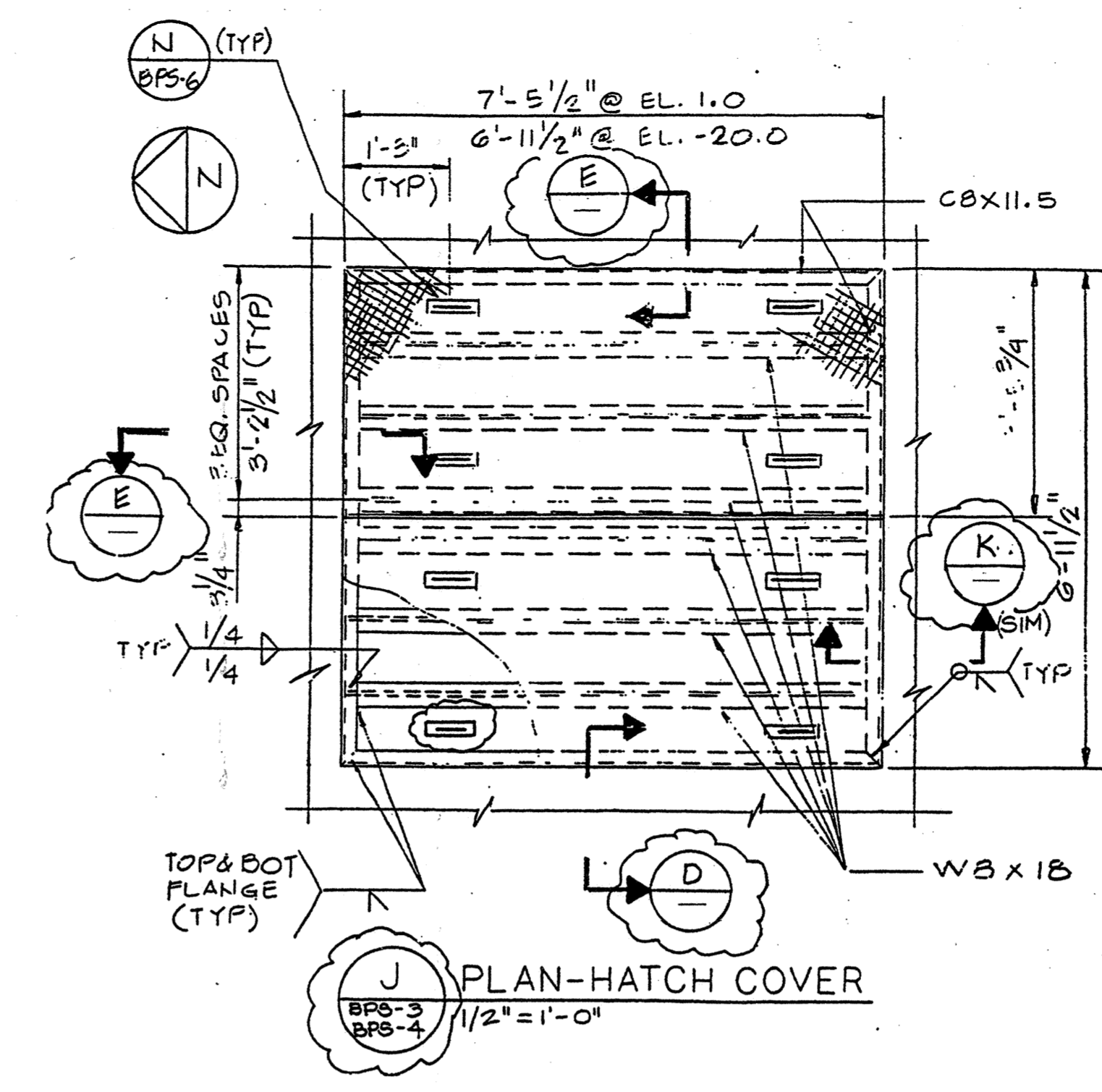
4006.48Ca



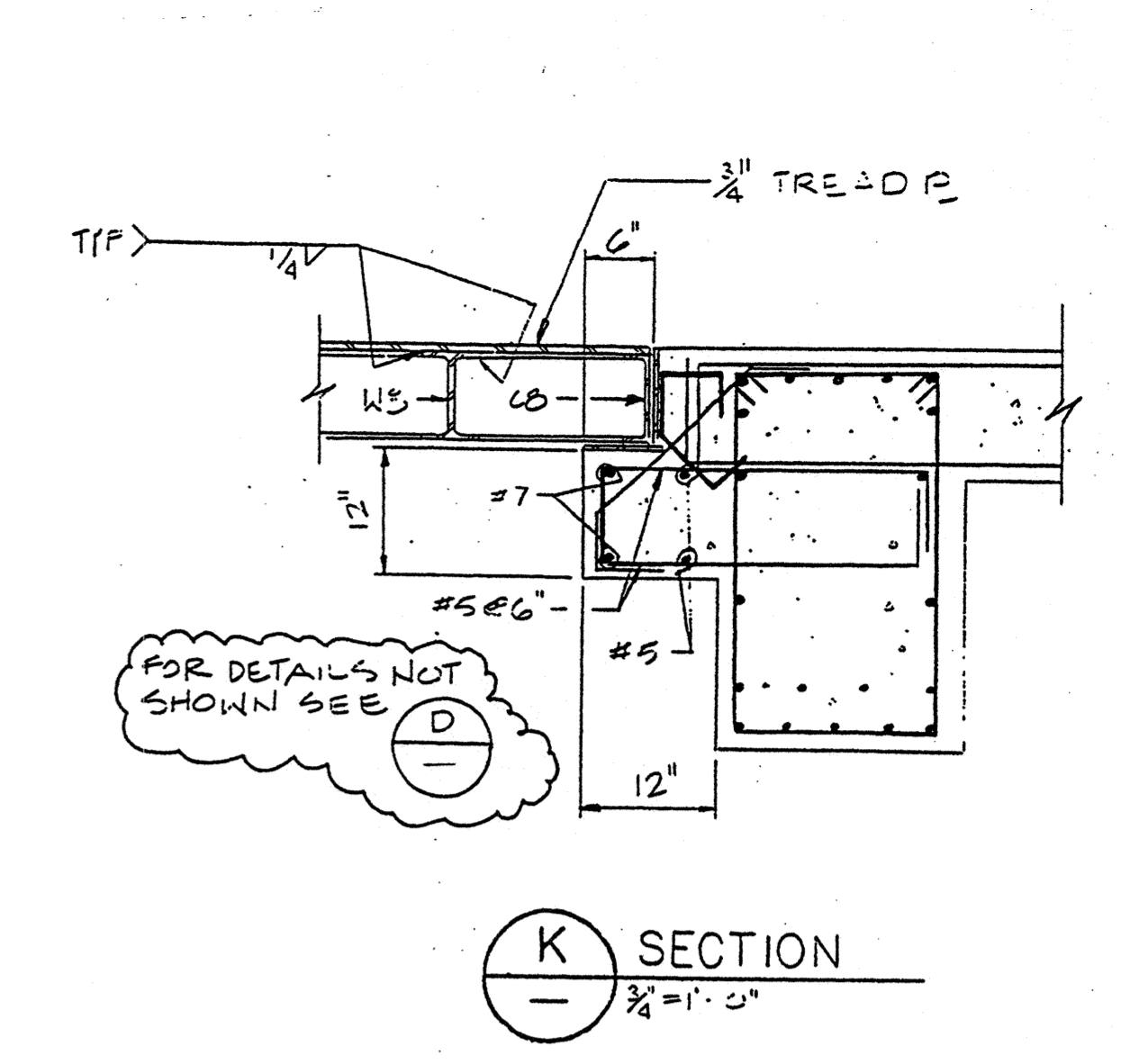
D SECTION
3/4" = 1'-0"



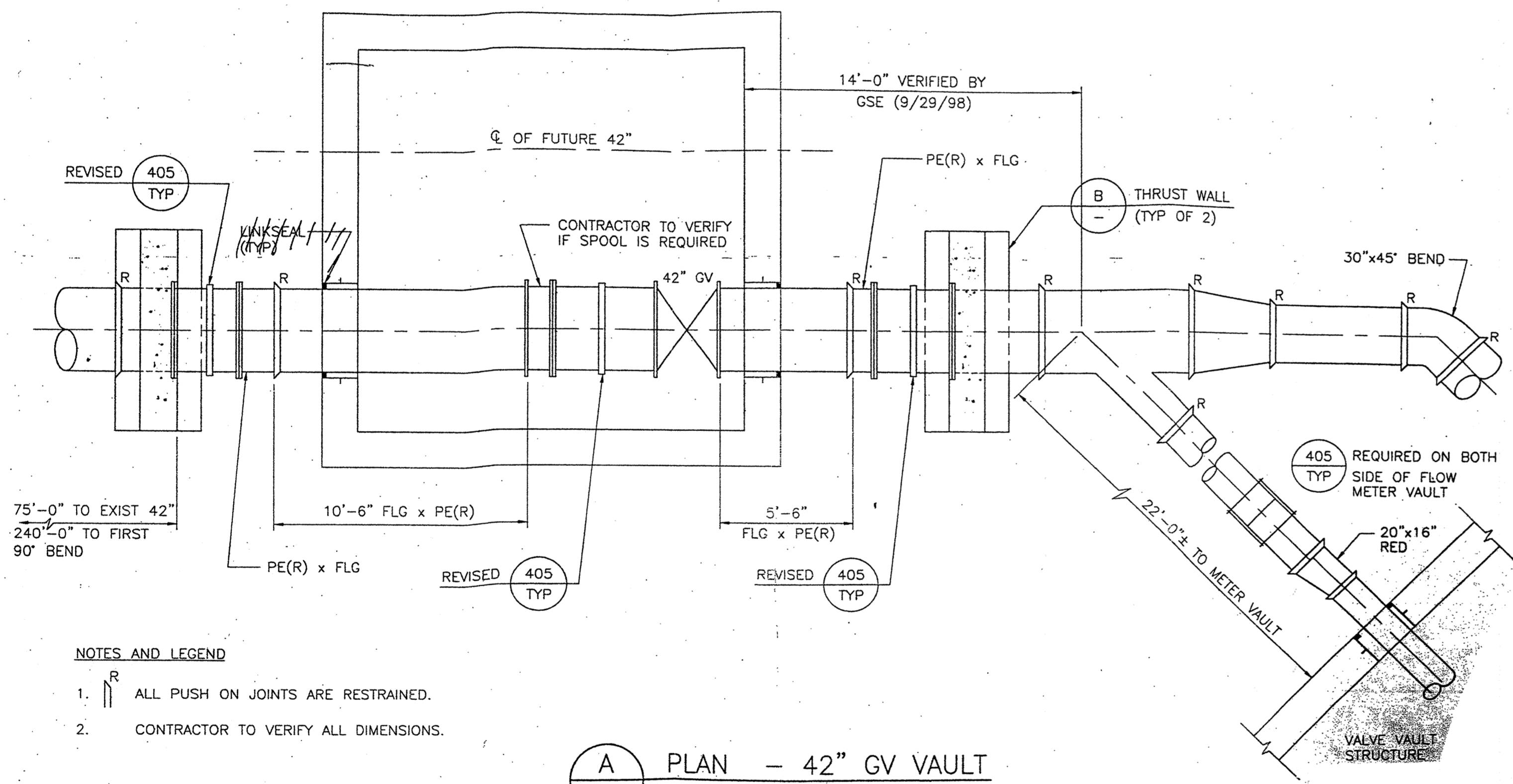
E SECTION
3/4" = 1'-0"



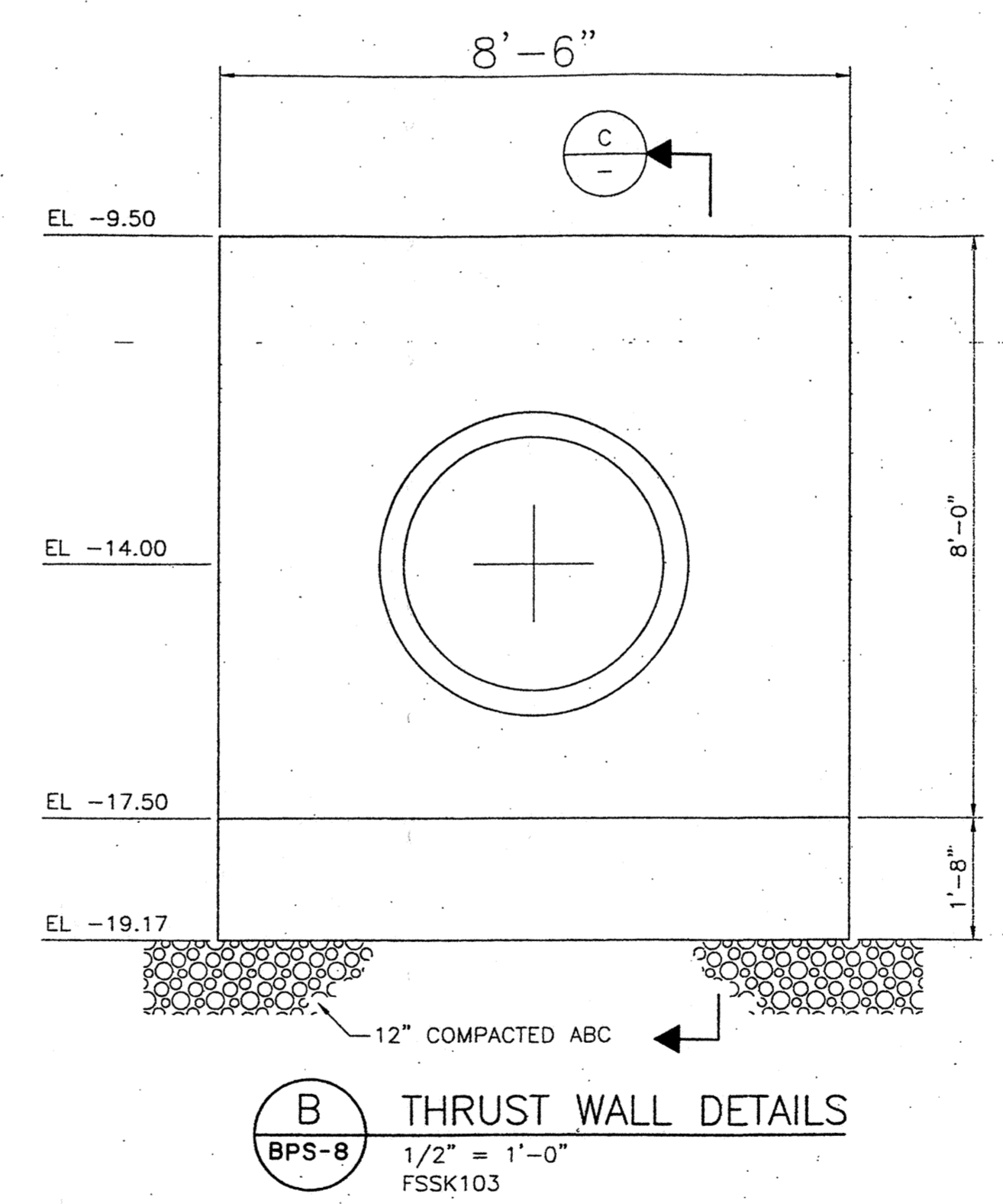
J PLAN-HATCH COVER
1/2" = 1'-0"



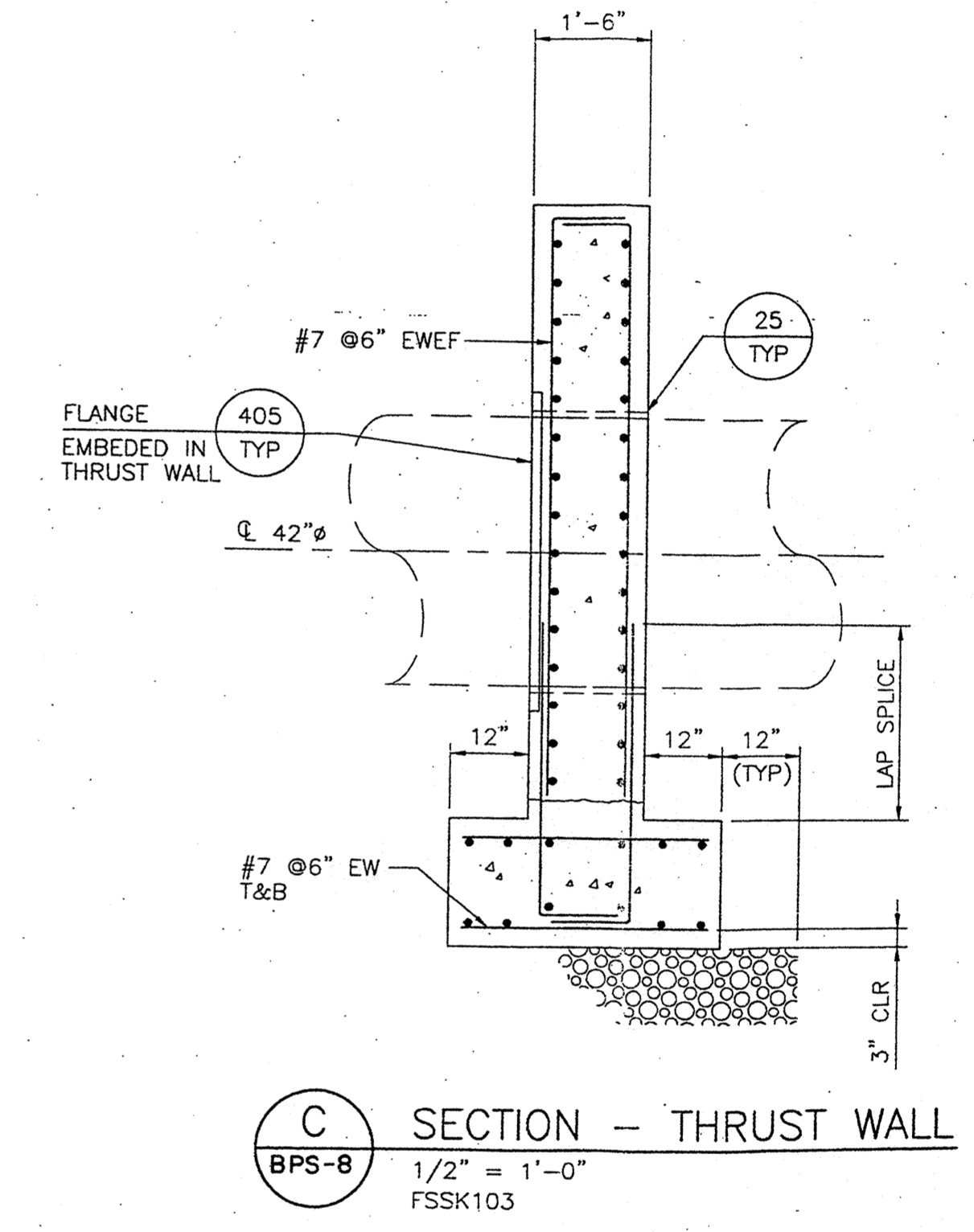
K SECTION
3/4" = 1'-0"



A PLAN - 42" GV VAULT
1/4" = 1'-0"
FSSK102



B THRUST WALL DETAILS
1/2" = 1'-0"
FSSK103



C SECTION - THRUST WALL
1/2" = 1'-0"
FSSK103

- NOTES AND LEGEND**
- ALL PUSH ON JOINTS ARE RESTRAINED.
 - CONTRACTOR TO VERIFY ALL DIMENSIONS.

RECORD DRAWING

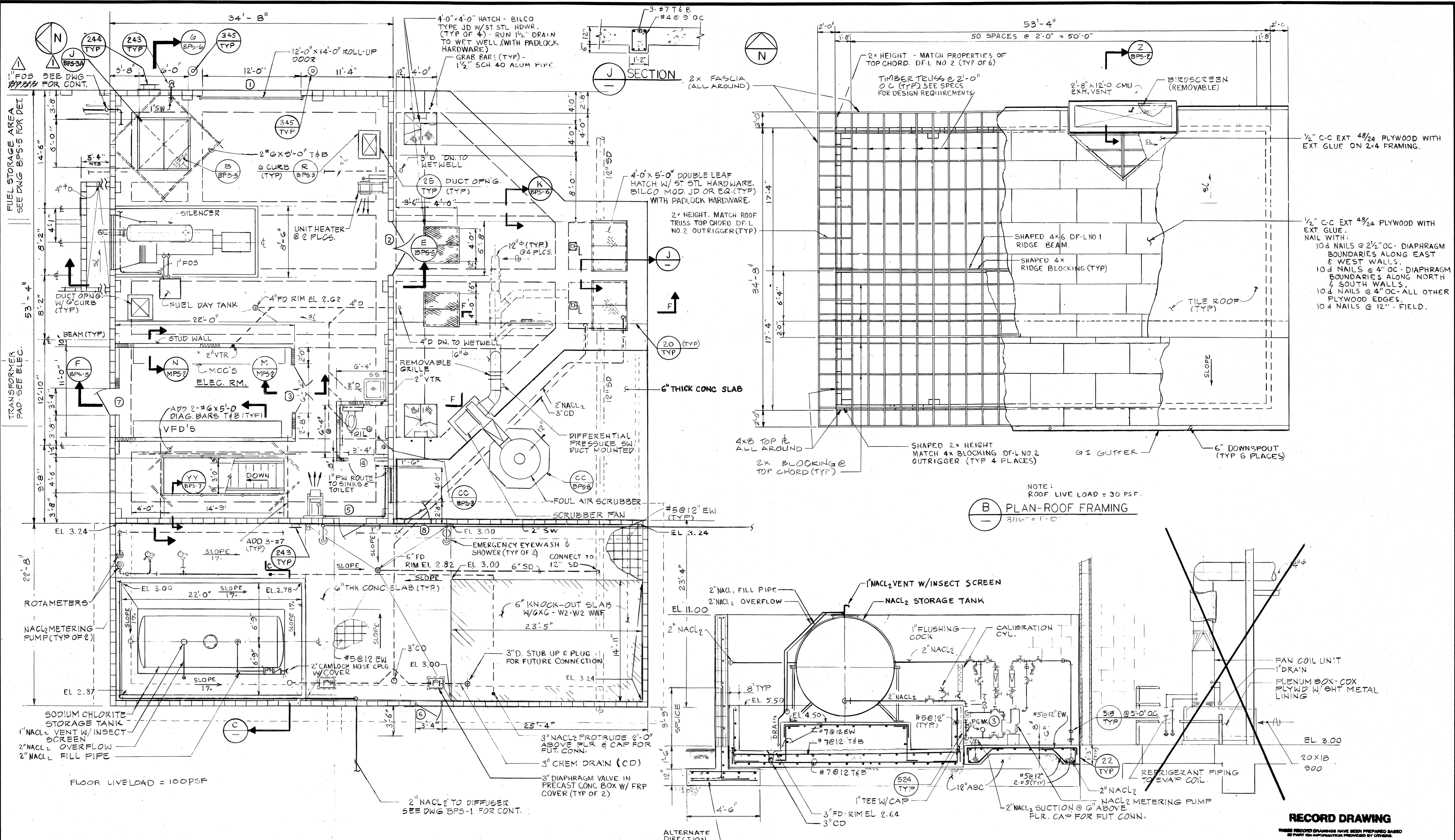
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS	
MISCELLANEOUS DETAILS	
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA	
SCALE: —	APPROVED BY: —
DESIGNED: BEH	DATE: JAN 2000
DRAWN: —	CITY ENGINEER STOCKTON, CALIF.
CHECKED: —	AS BUILT BY: PG
DRAWING NO. BPS-3R	SHEET NO. 49A OF 100
JOB NO. 3385F.10	

DISCIPLINE ENGINEER	PROJECT NUMBER	PART NUMBER
REV. DATE BY DESCRIPTION		
1/2000 PG RECORD DRAWINGS		

**REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS**





A MAIN FLOOR PLAN - EL 3.00
3/16" = 1'-0"

B PLAN-ROOF FRAMING
3/16" = 1'-0"

C SECTION
3/8" = 1'-0"

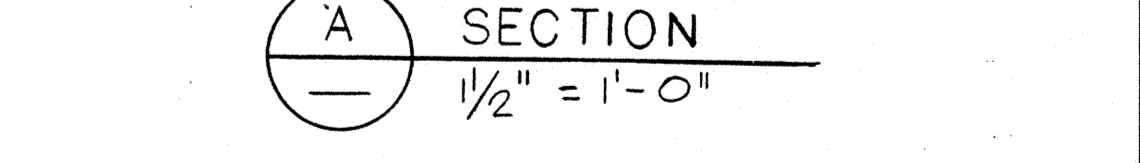
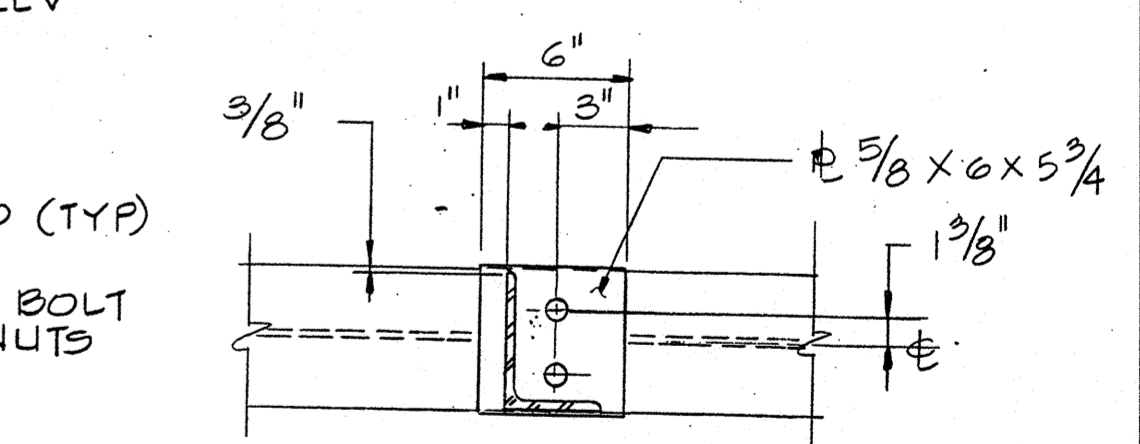
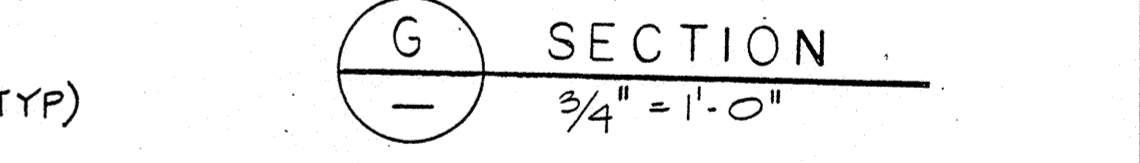
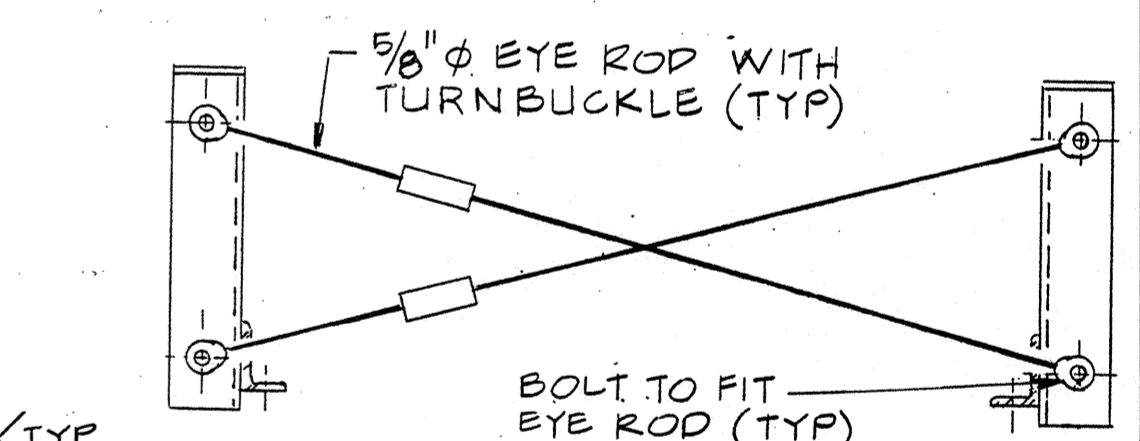
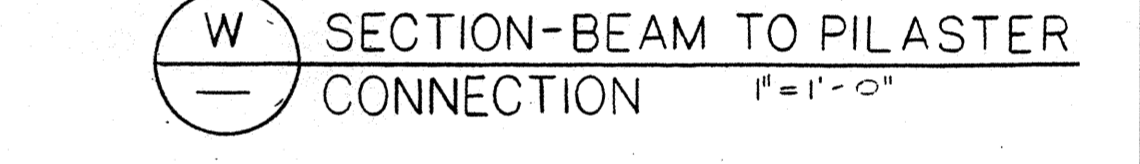
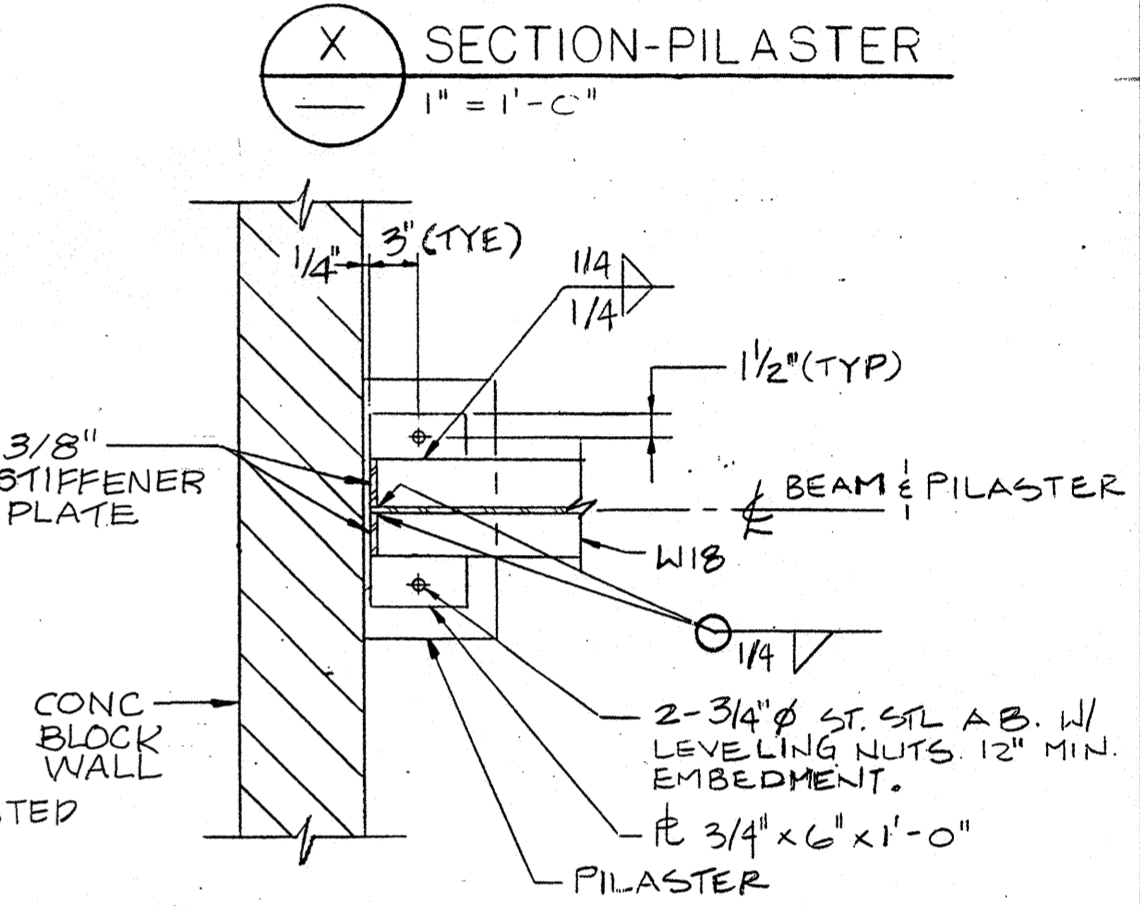
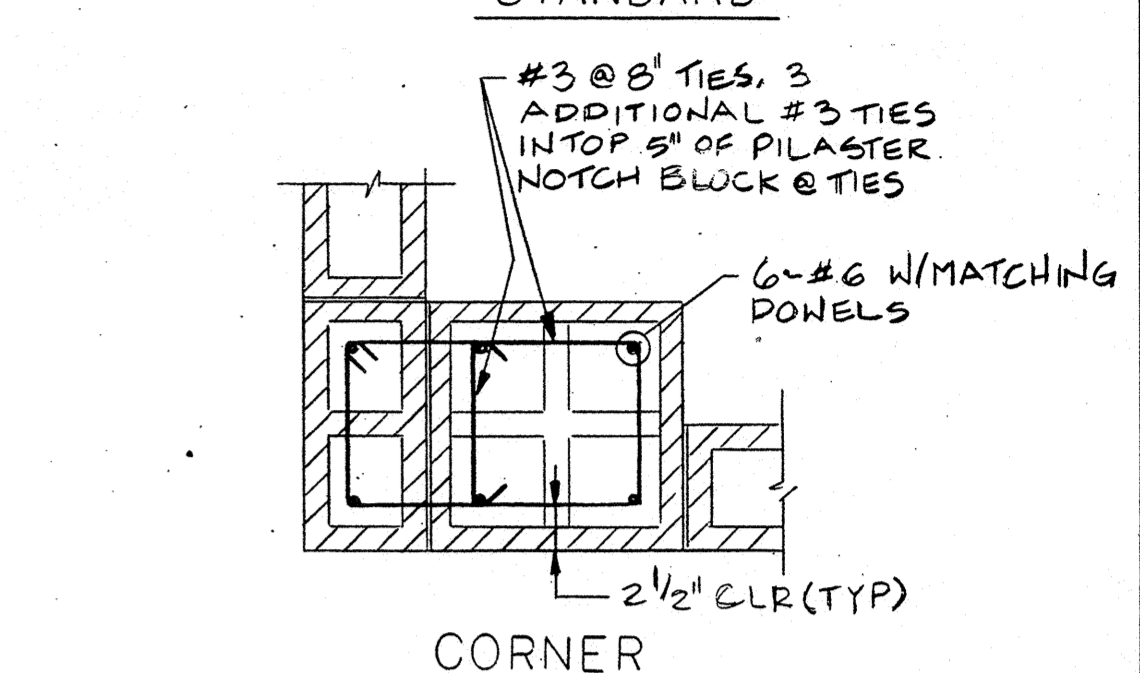
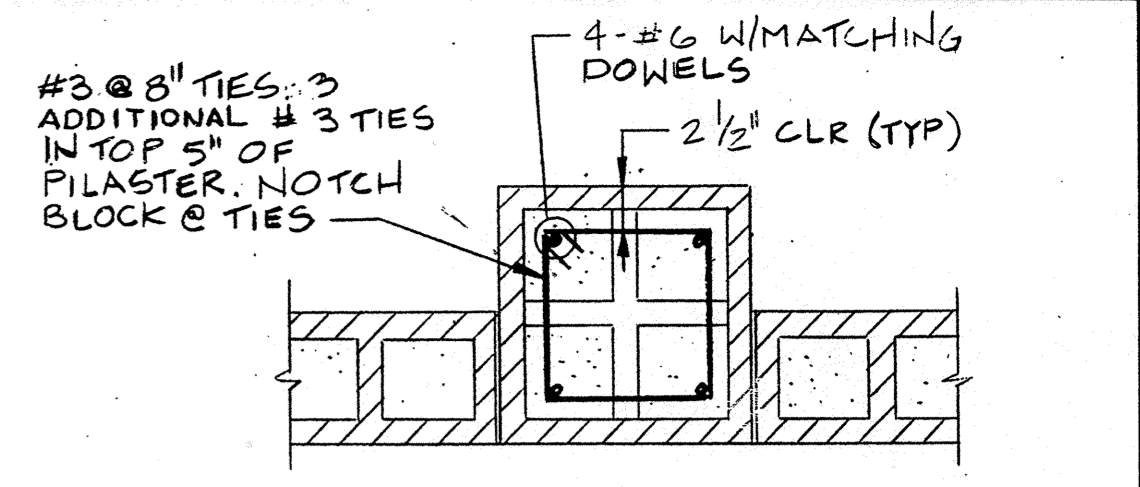
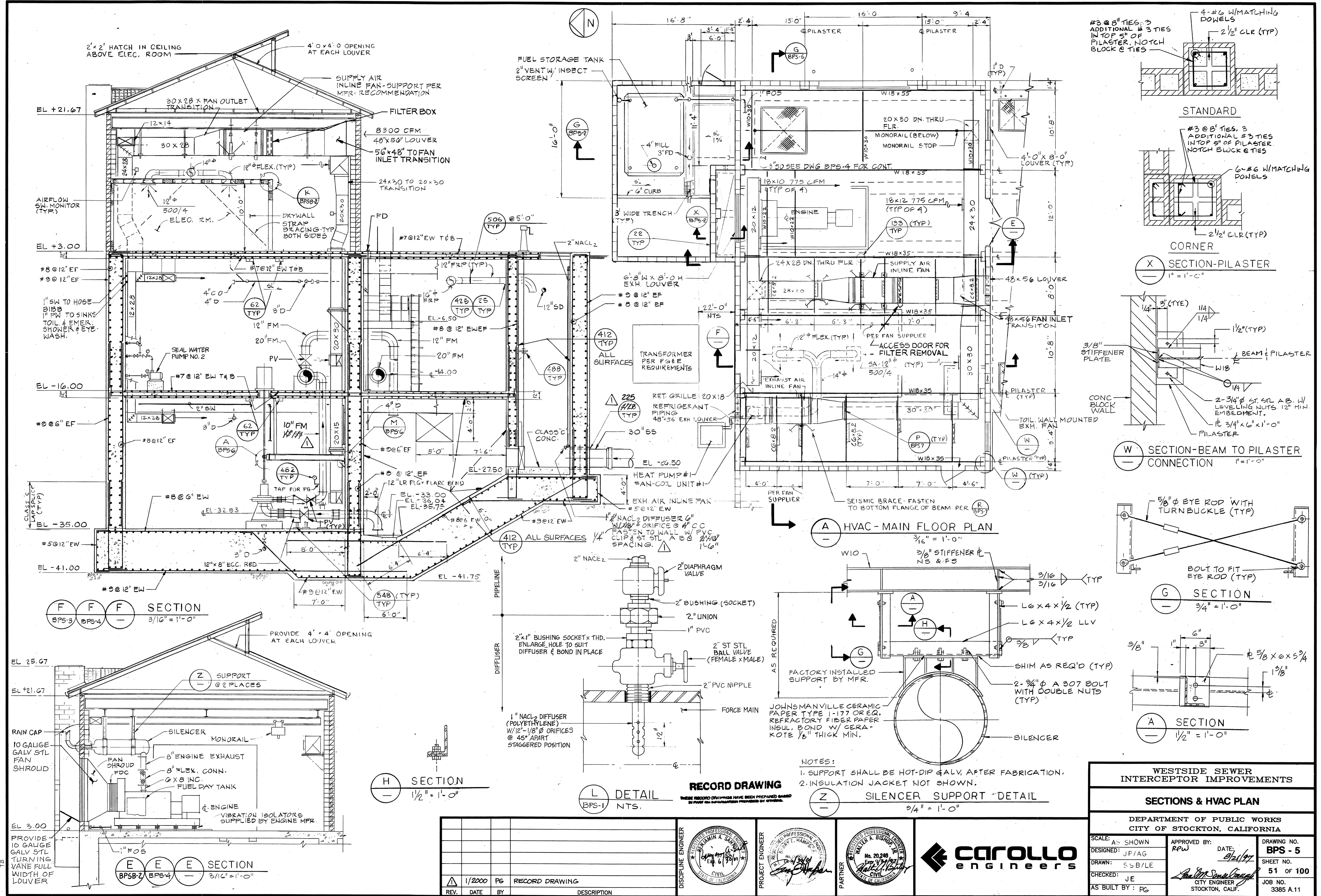
RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON PARTIAL INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
MAIN FLOOR PLAN EL 3.00
ROOF FRAMING & SECTIONS
 DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: <i>PCW</i>	DRAWING NO. BPS-4
DESIGNED: BS/DK	DATE: <i>8/1/07</i>	SHEET NO. 50 OF 100
DRAWN: SSB/LE	CITY ENGINEER <i>Paul J. Semel</i>	JOB NO. 3385 A.11
CHECKED: JE	STOCKTON, CALIF.	
AS BUILT BY: PC		

DISCIPLINE ENGINEER	REGISTERED PROFESSIONAL ENGINEER <i>WALTER A. BISHOP</i> No. 20,240 Exp. 5/31/08 CIVIL STATE OF CALIFORNIA	PROJECT ENGINEER	REGISTERED PROFESSIONAL ENGINEER <i>WALTER A. BISHOP</i> No. 20,240 Exp. 5/31/08 CIVIL STATE OF CALIFORNIA	PARTNER	REGISTERED PROFESSIONAL ENGINEER <i>WALTER A. BISHOP</i> No. 20,240 Exp. 5/31/08 CIVIL STATE OF CALIFORNIA	carollo engineers
REV.	DATE	BY	DESCRIPTION			
1/2000	PS		RECORD DRAWING			

4006.49Ca



NOTES:
 1. SUPPORT SHALL BE HOT-DIP GALV. AFTER FABRICATION.
 2. INSULATION JACKET NOT SHOWN.

Z SECTION - SILENCER SUPPORT DETAIL
 3/4" = 1'-0"

H SECTION
 1/2" = 1'-0"

L DETAIL
 NTS.
 BPS-1

F SECTION
 BPS-3 BPS-4
 3/16" = 1'-0"

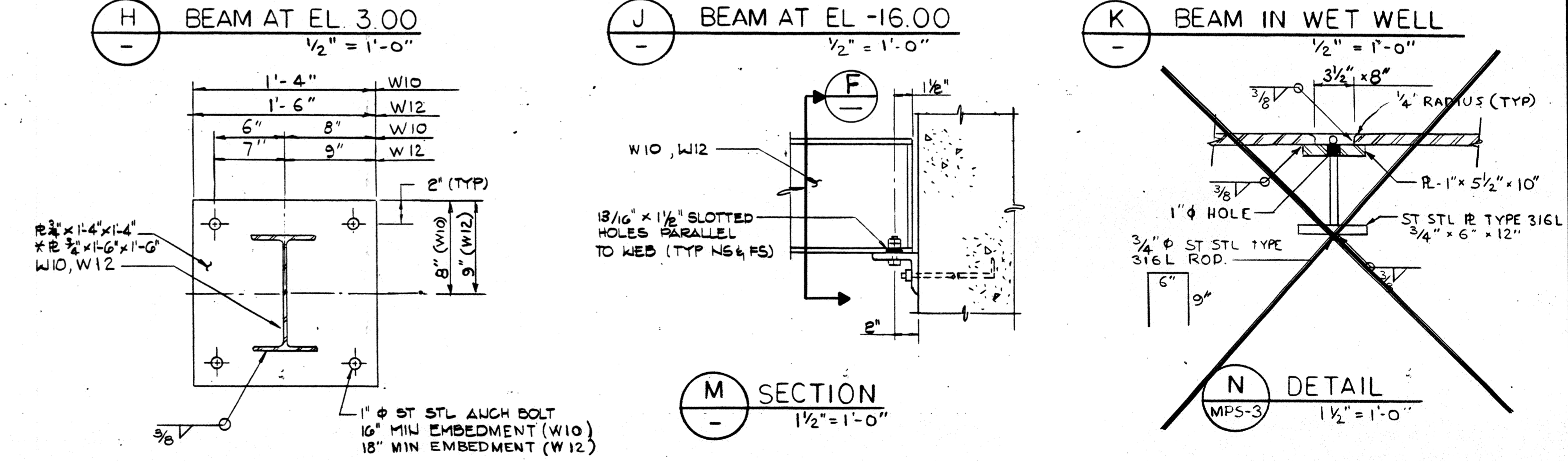
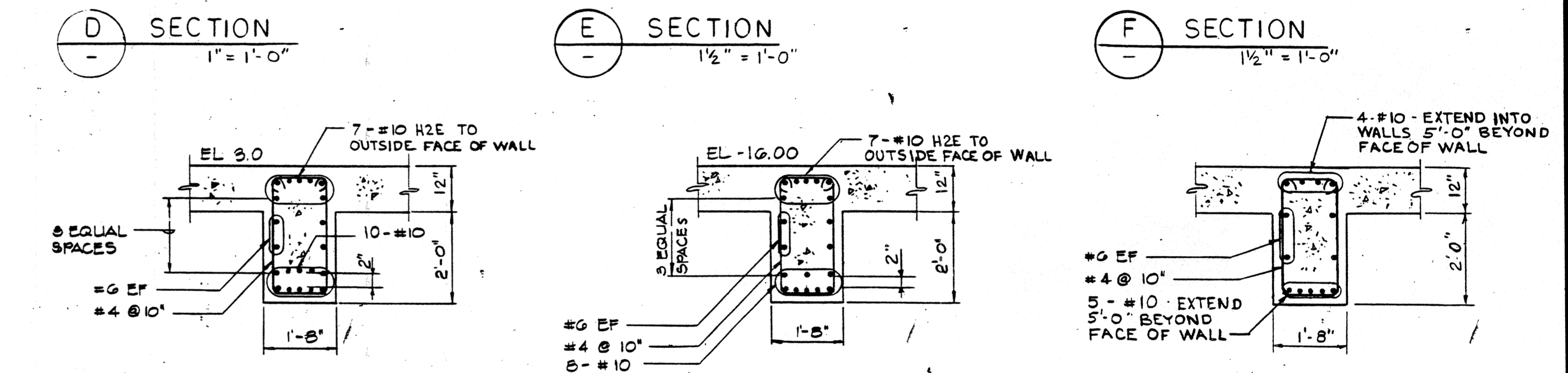
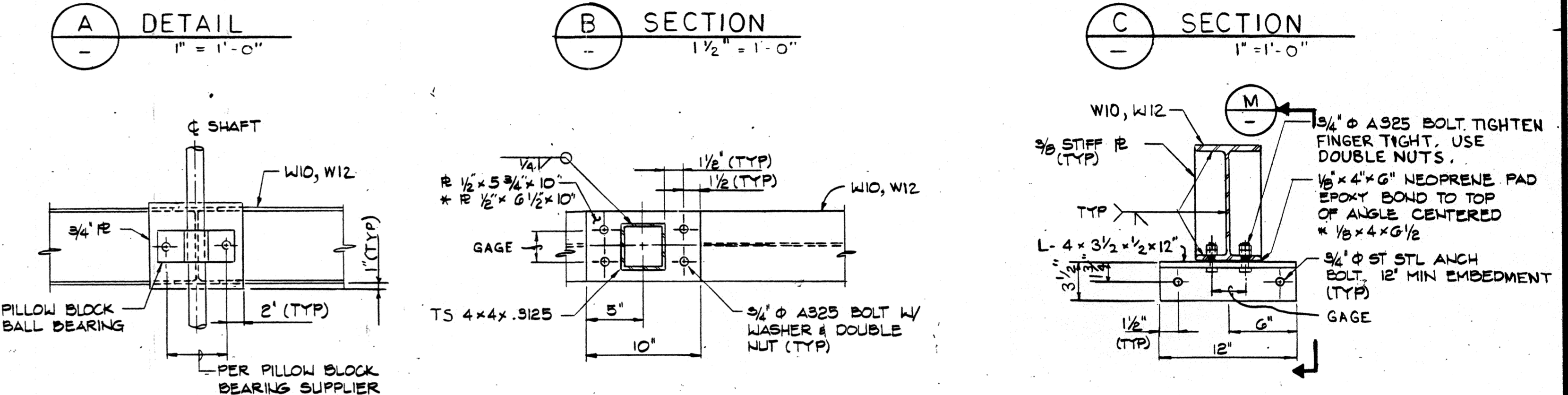
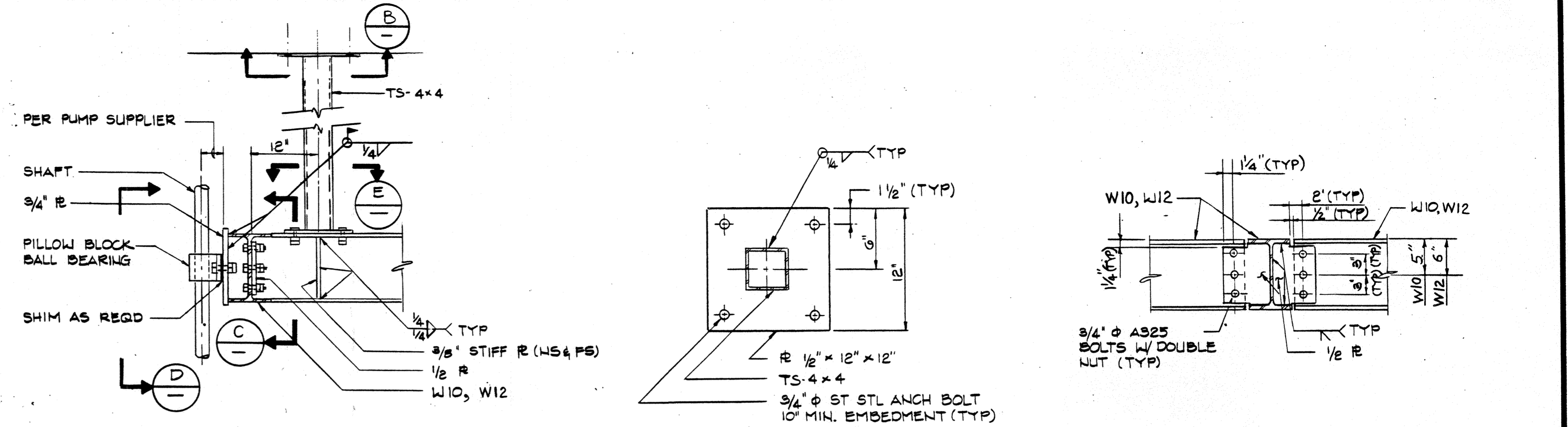
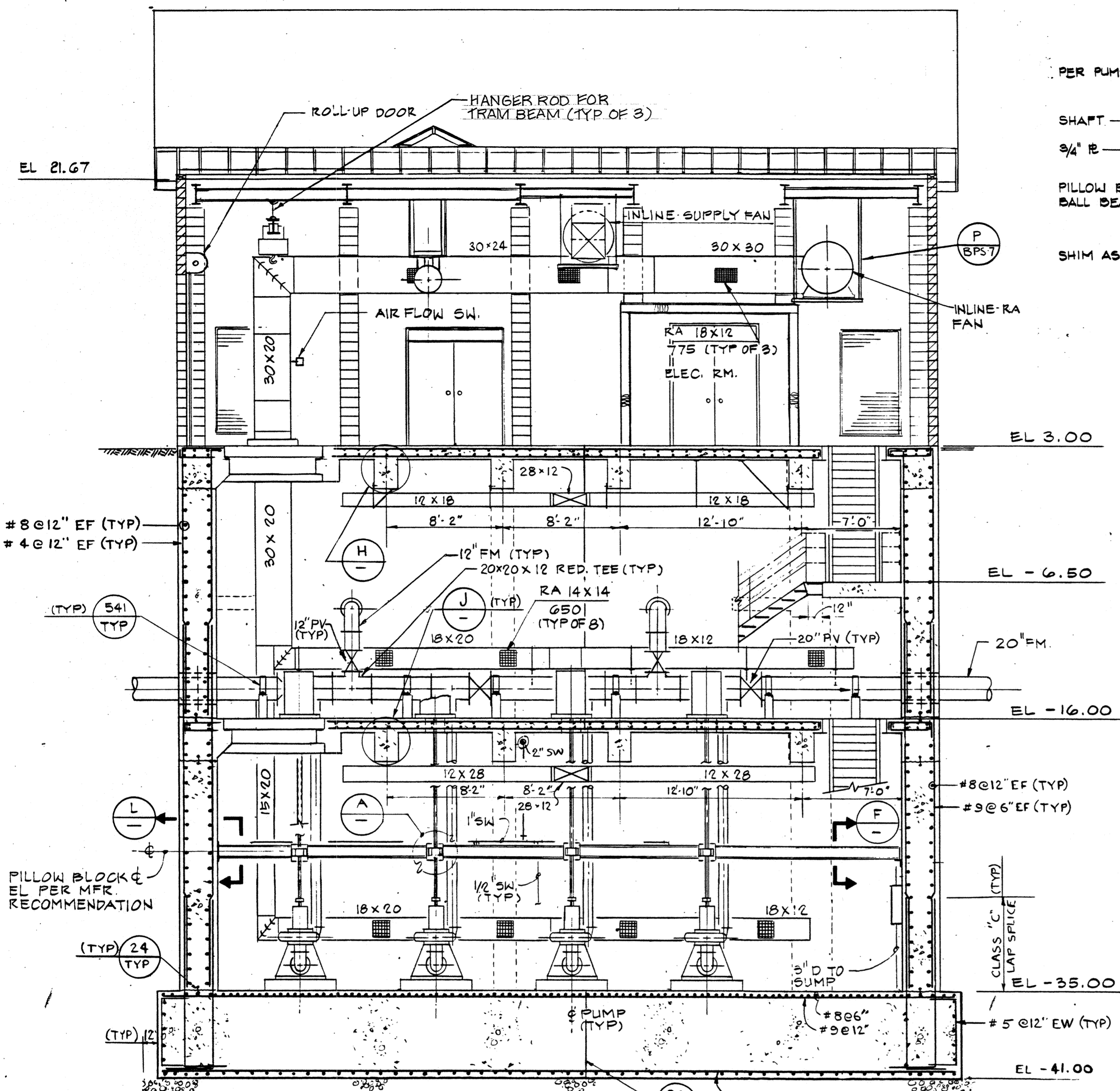
E SECTION
 BPS-2 BPS-4
 3/16" = 1'-0"

DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER
DATE: 1/2000	PG: PG	RECORD DRAWING
REV.	DATE	BY
		DESCRIPTION



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
SECTIONS & HVAC PLAN		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS SHOWN	APPROVED BY: RPW	DRAWING NO. BPS-5
DESIGNED: JF/AG	DATE: 9/21/97	SHEET NO. 51 OF 100
DRAWN: SSB/LE	CHECKED: JE	JOB NO. 3385 A.11
AS BUILT BY: PC	CITY ENGINEER STOCKTON, CALIF.	

4006.50Ca



G SECTION
BPS-3 BPS-4 BPS-5
3/16" = 1'-0"

A DETAIL
1" = 1'-0"

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

C SECTION
1" = 1'-0"

D SECTION
1" = 1'-0"

E SECTION
1 1/2" = 1'-0"

F SECTION
1 1/2" = 1'-0"

H BEAM AT EL 3.00
1/2" = 1'-0"

J BEAM AT EL -16.00
1/2" = 1'-0"

K BEAM IN WET WELL
1/2" = 1'-0"

L SECTION
1 1/2" = 1'-0"

M SECTION
1 1/2" = 1'-0"

N DETAIL
MPS-3
1 1/2" = 1'-0"

U SECTION-STAIR LANDING
BPS-7
1/4" = 1'-0"

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED
ON PRINT OR INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

SECTIONS & DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: RPW	DATE: 8/21/97	DRAWING NO. BPS-6
DESIGNED: BS/AG	DRAWN: SSB/LE		SHEET NO. 52 OF 100
CHECKED: JE	AS BUILT BY: PG		JOB NO. 3385 A.11

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

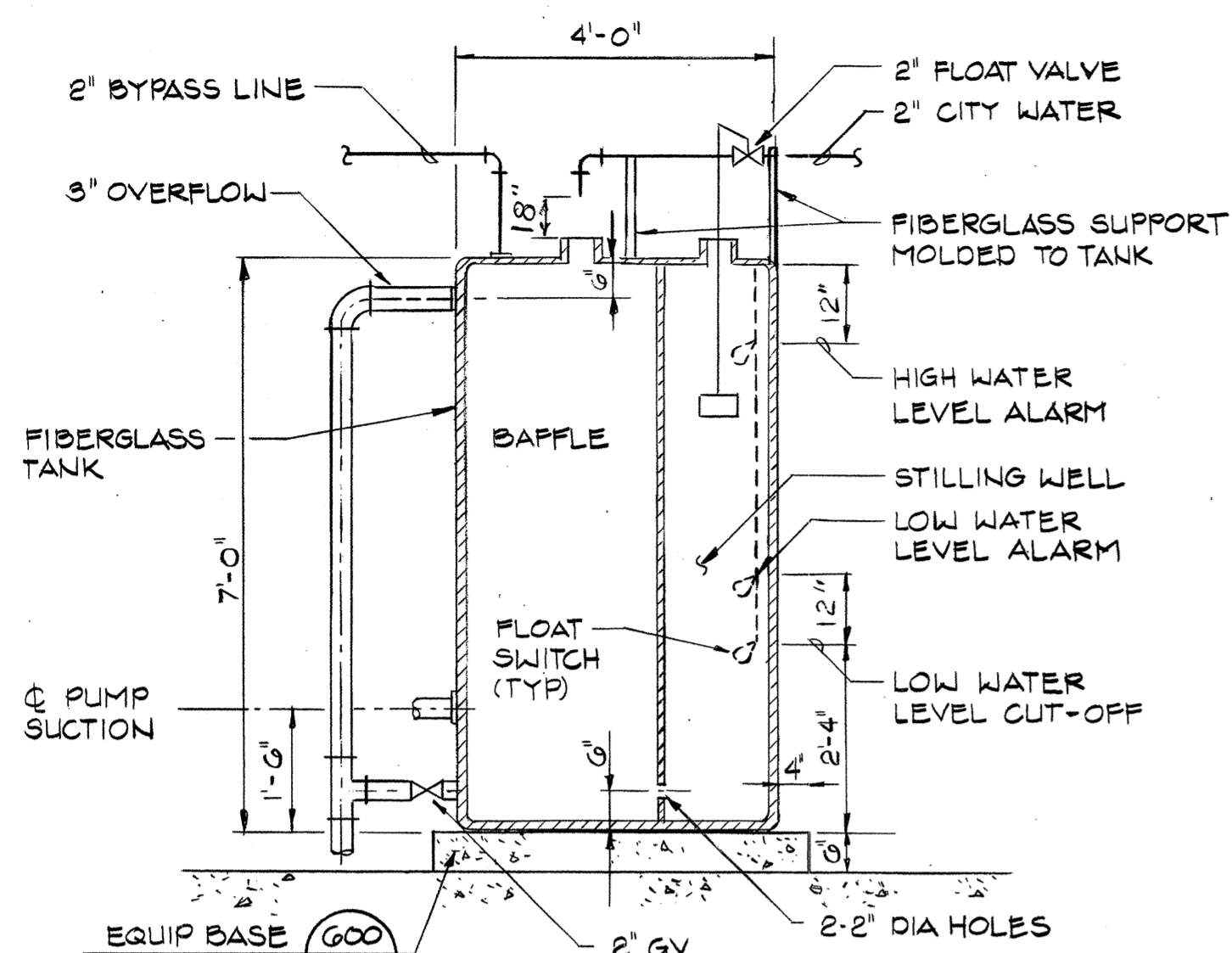
DISCIPLINE ENGINEER
WALTER A. BISHOP, JR.
No. 20,240
Exp. 3/31/97
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER
WALTER A. BISHOP, JR.
No. 20,240
Exp. 3/31/97
CIVIL
STATE OF CALIFORNIA

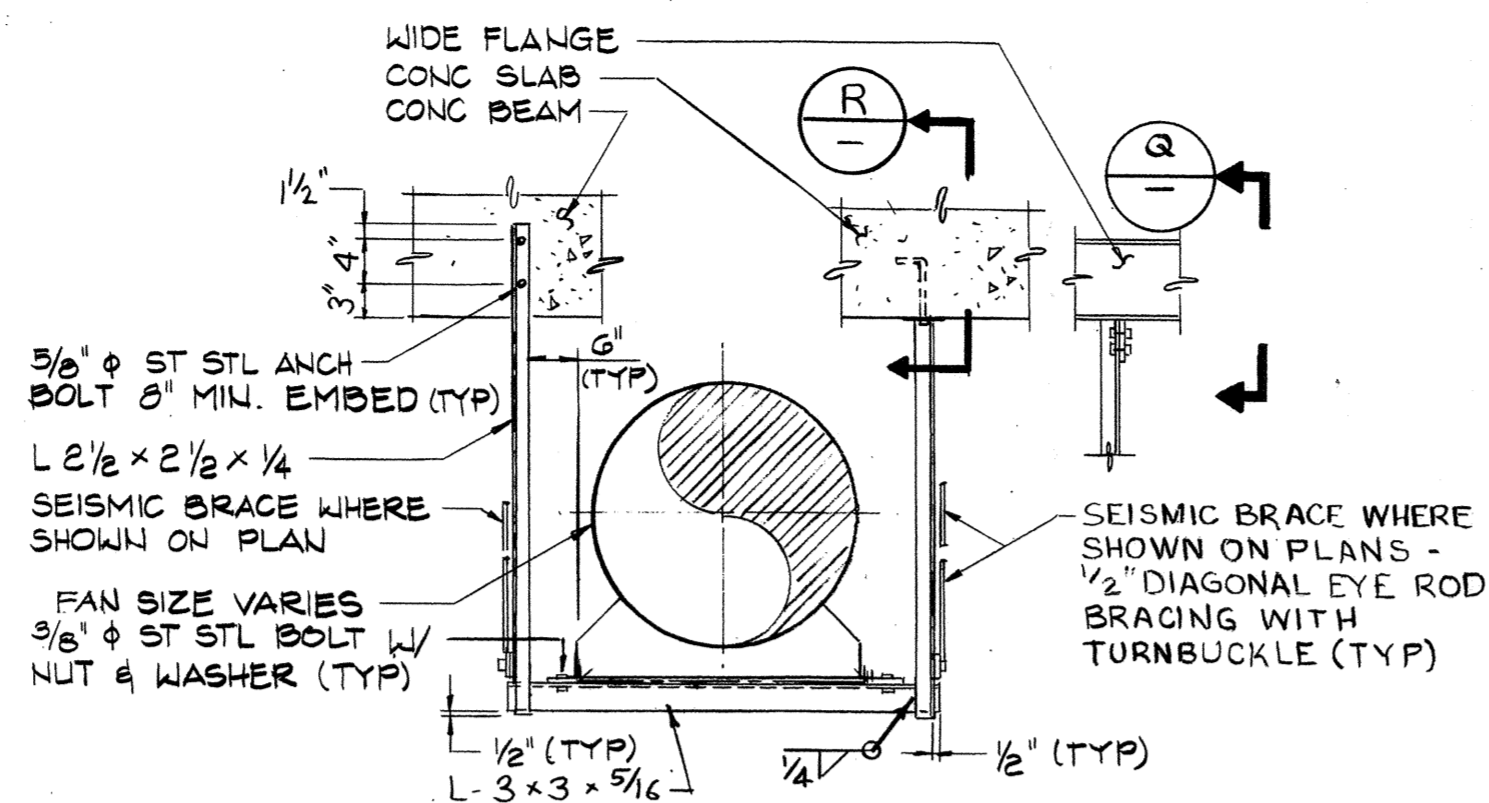
PARTNER
WALTER A. BISHOP, JR.
No. 20,240
Exp. 3/31/97
CIVIL
STATE OF CALIFORNIA



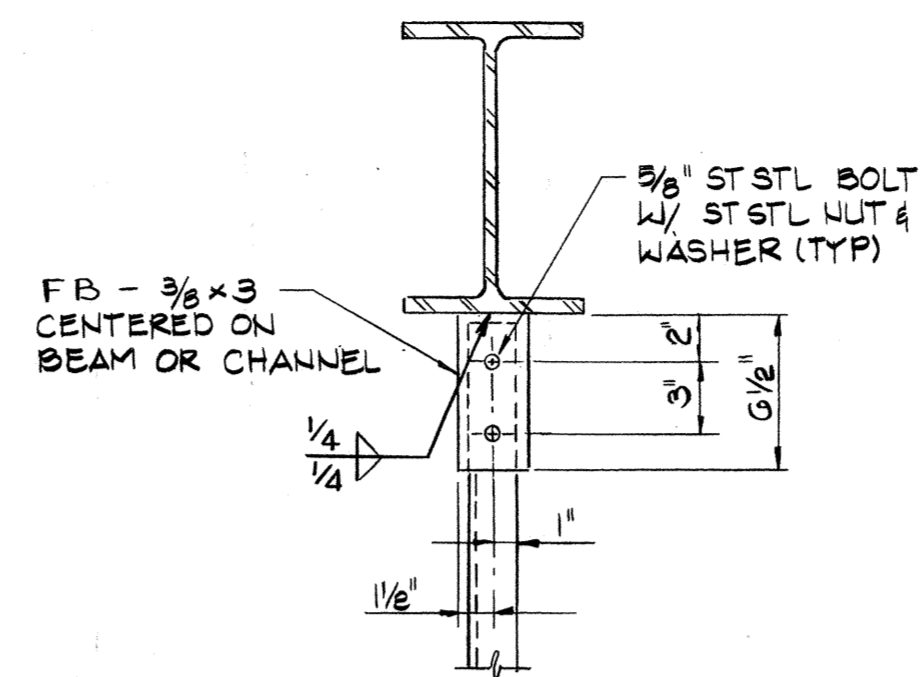
4006.51Ca



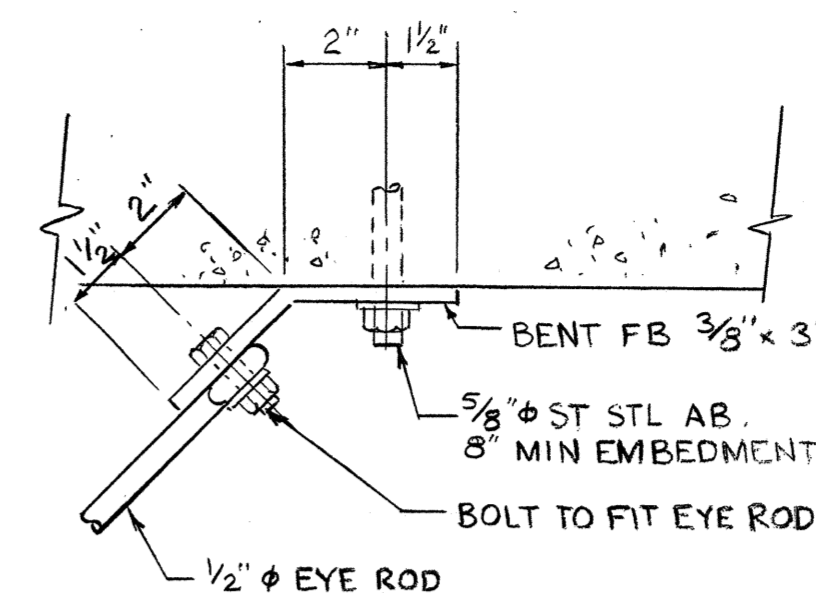
N FIBERGLASS AIR BREAK TANK
BPS-3 NTS



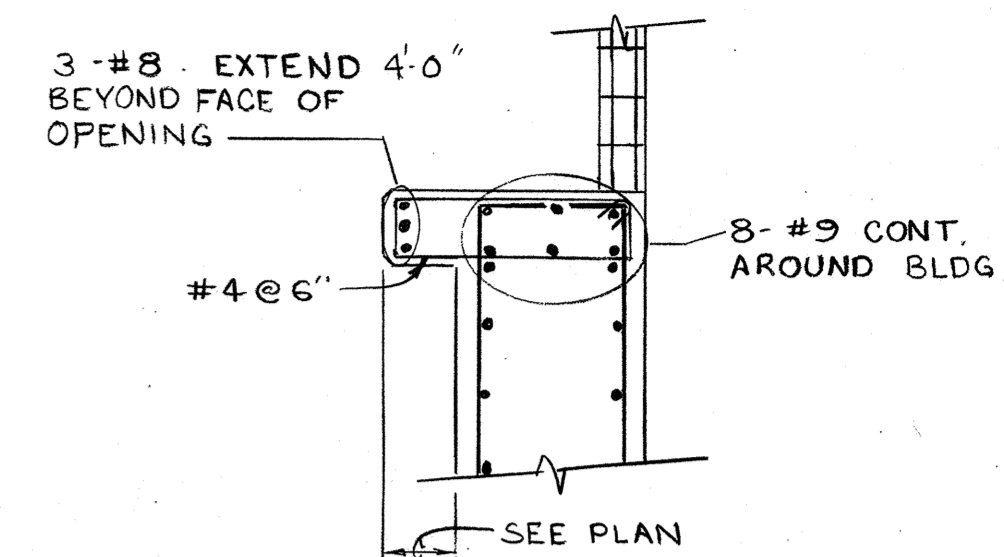
P FAN AND DUCT SUPPORT
NTS



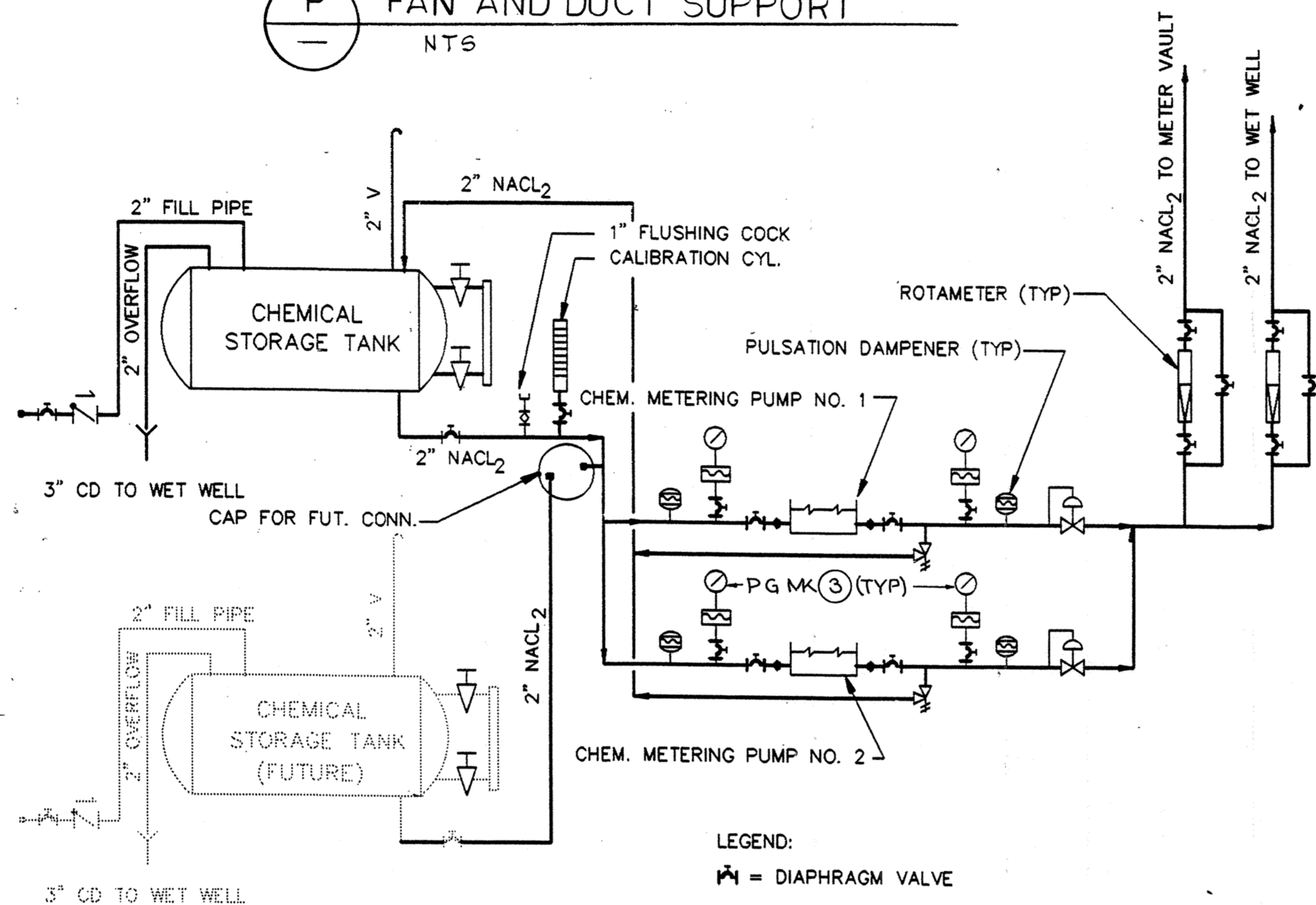
Q SECTION
NTS



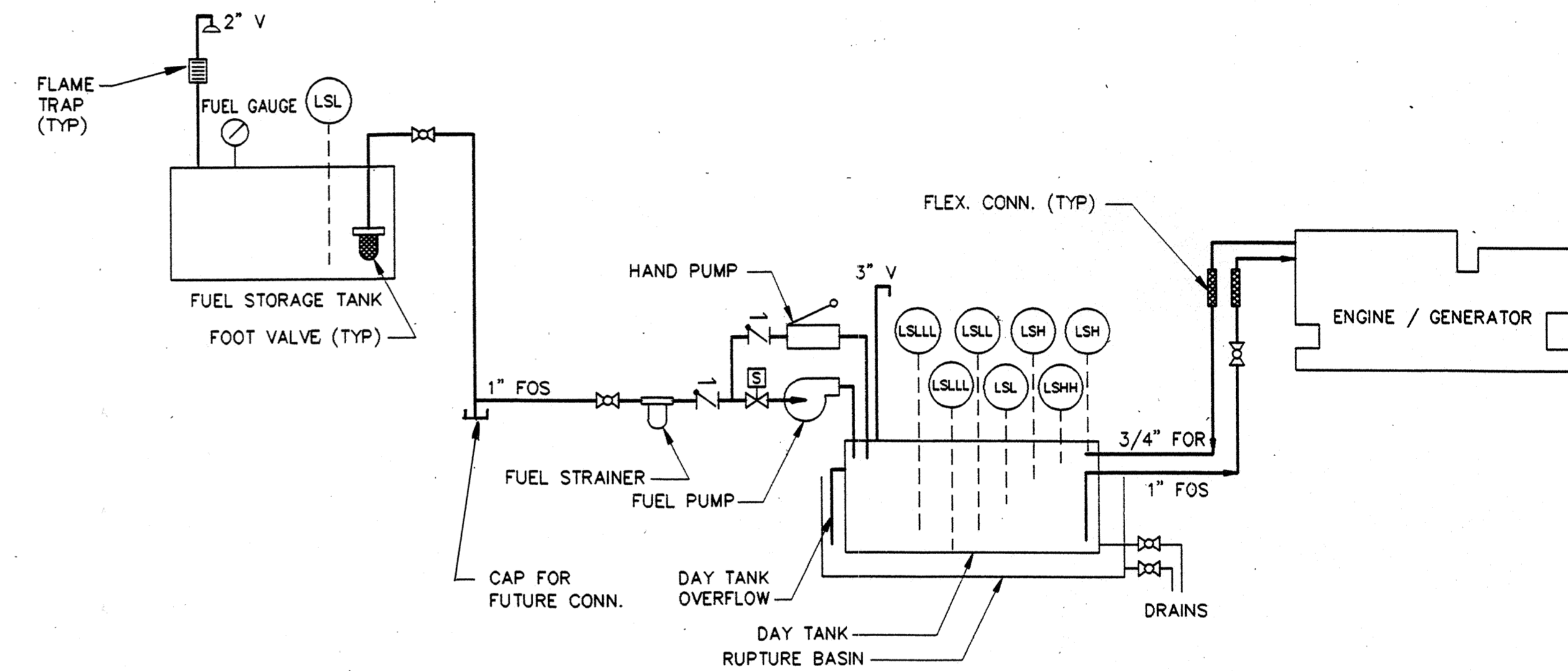
R SEISMIC BRACE
NTS



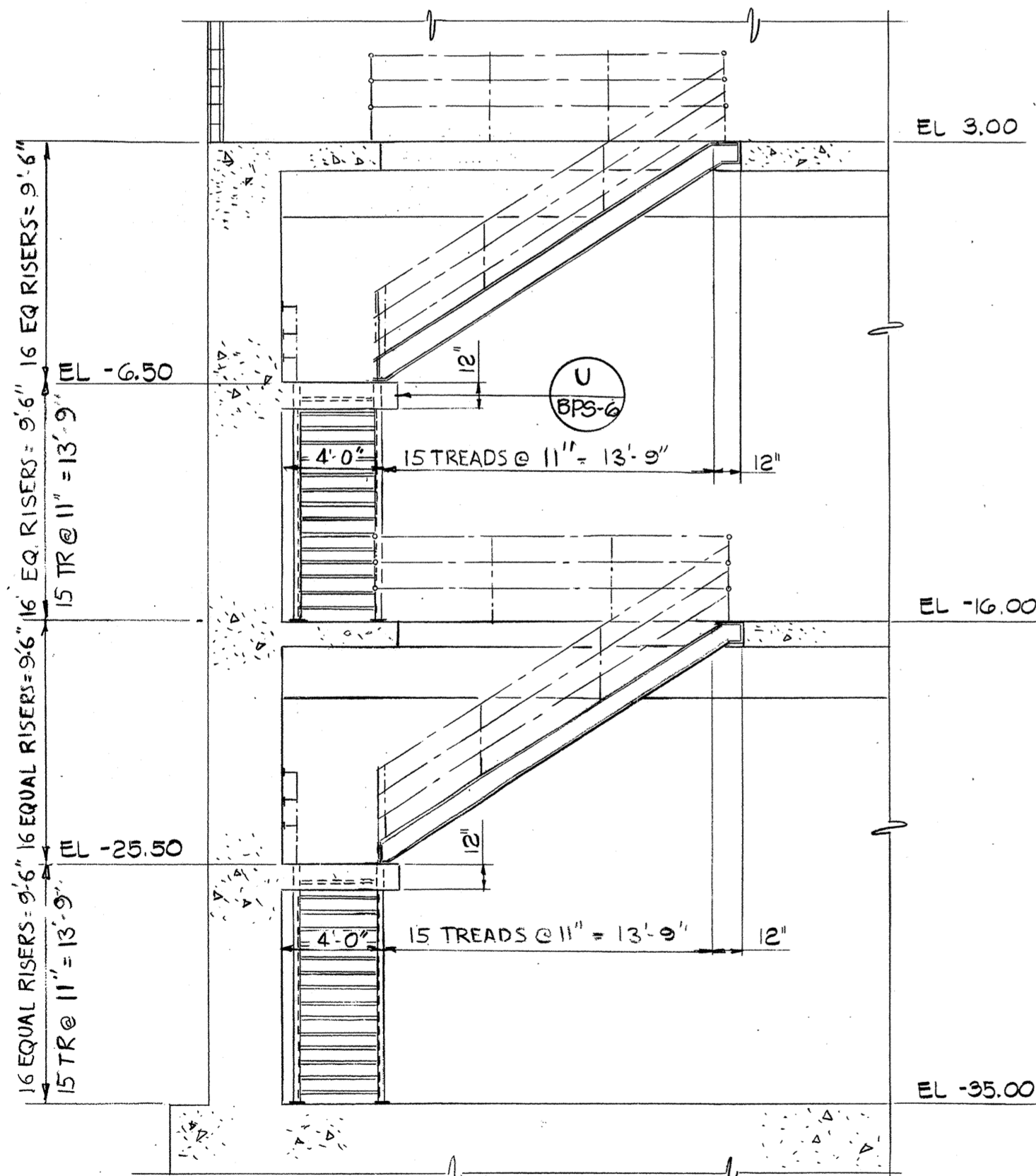
YY SECTION
BPS-4 3/8" = 1'-0"



A SCHEMATIC - SODIUM CHLORITE INJECTION SYSTEM



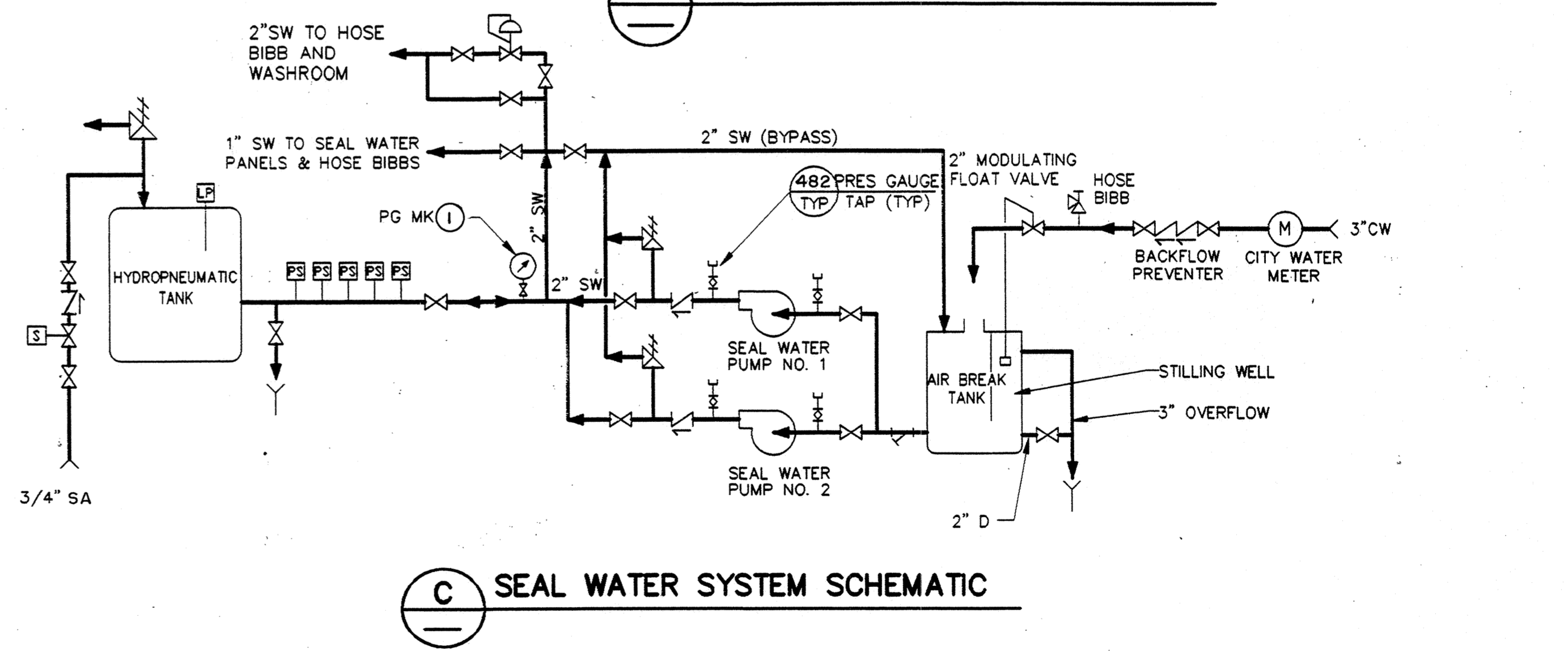
B ENGINE FUEL SYSTEM SCHEMATIC



S STAIRWELL DETAIL
3/16" = 1'-0"

HIGH HIGH LEVEL	-23.00	
START LAG PUMP NO. 3	-23.50	
START LAG PUMP NO. 2	-24.00	STOP LAG PUMP NO. 3
START LAG PUMP NO. 1	-24.50	STOP LAG PUMP NO. 2
START LAG PUMP	-25.50	STOP LAG PUMP NO. 1
START LEAD PUMP	-26.00	
START LEAD PUMP	-27.50	
START LEAD PUMP	-28.00	
START LEAD PUMP	-28.50	
START LEAD PUMP	-29.00	
START LEAD PUMP	-29.50	
START LEAD PUMP	-30.00	
START LEAD PUMP	-30.50	
START LEAD PUMP	-31.00	
START LEAD PUMP	-31.50	
START LEAD PUMP	-32.00	
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START LEAD PUMP	-41.50	
START LEAD PUMP	-42.00	
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START LEAD PUMP	-99.00	
START LEAD PUMP	-99.50	
START LEAD PUMP	-100.00	

D AUTO-VFD MODE CONTROL SEQUENCE DIAGRAM



C SEAL WATER SYSTEM SCHEMATIC

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

SECTION & DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN
DESIGNED: JP/BS
DRAWN: SSE/LE
CHECKED: JE
AS BUILT BY: PG

APPROVED BY: [Signature]
DATE: 9/4/97
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. BPS-7
SHEET NO. 53 OF 100
JOB NO. 3385 A.11

DISCIPLINE ENGINEER: [Signature]

PROJECT ENGINEER: [Signature]

PARTNER: [Signature]

RECORD DRAWING

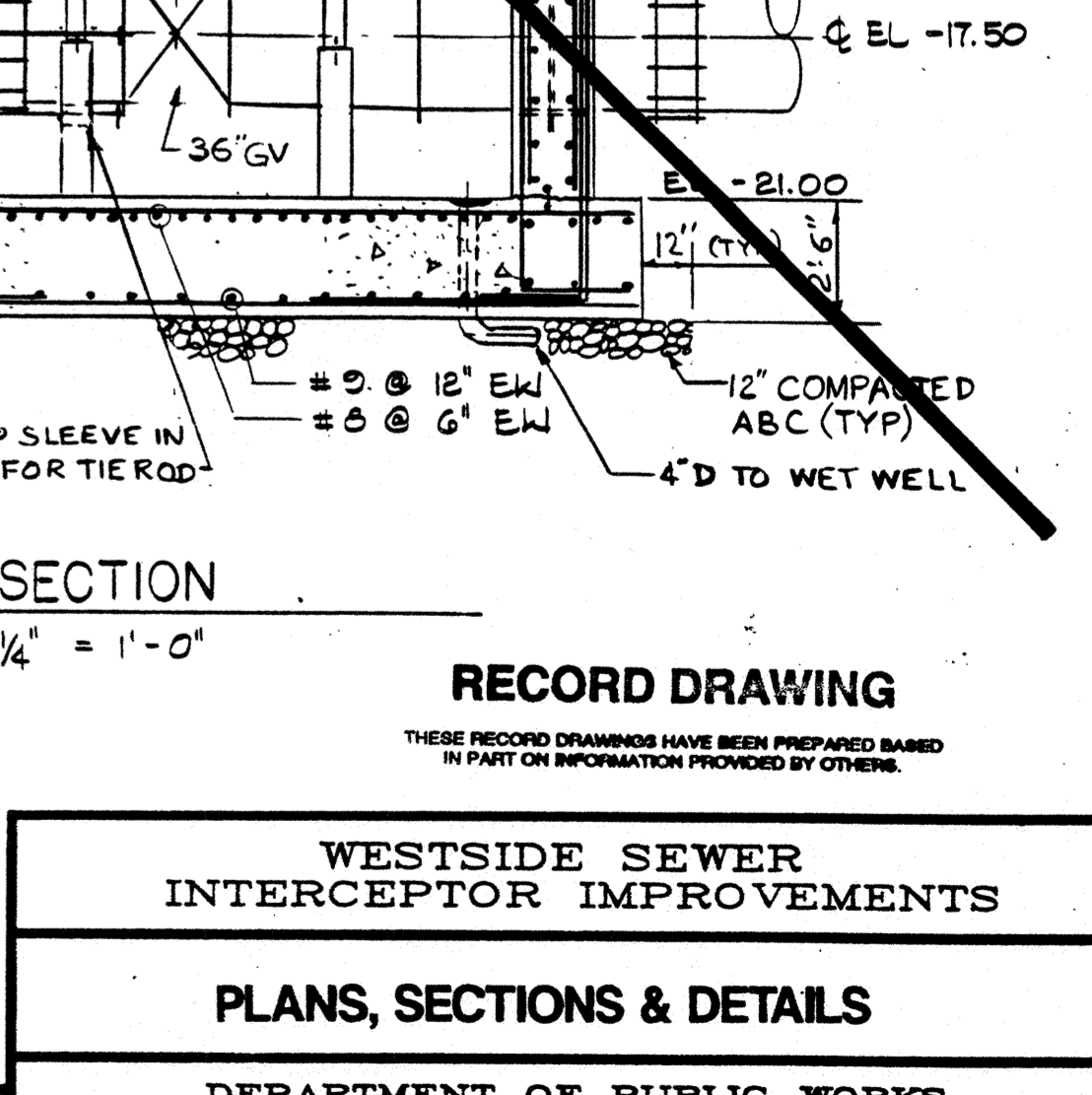
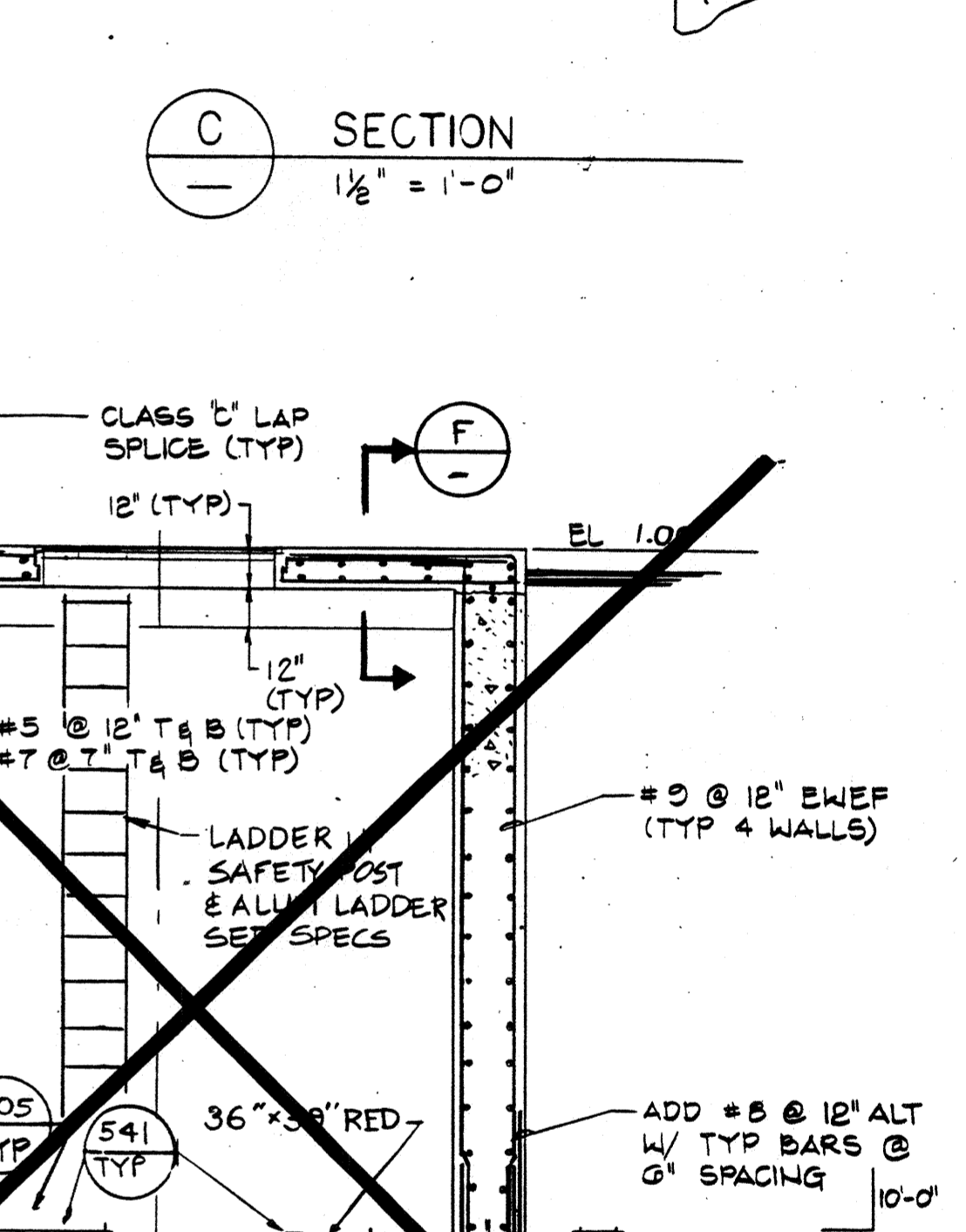
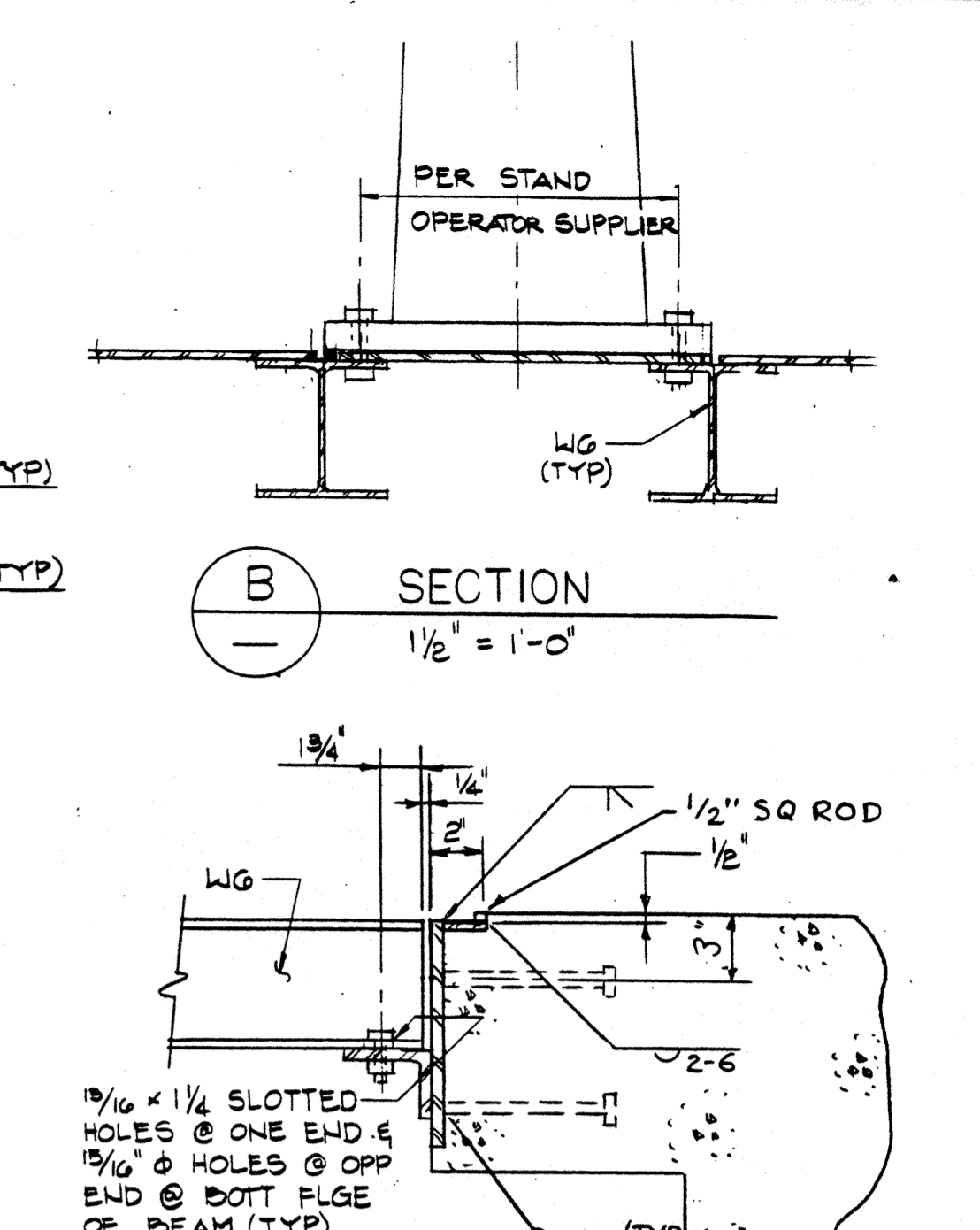
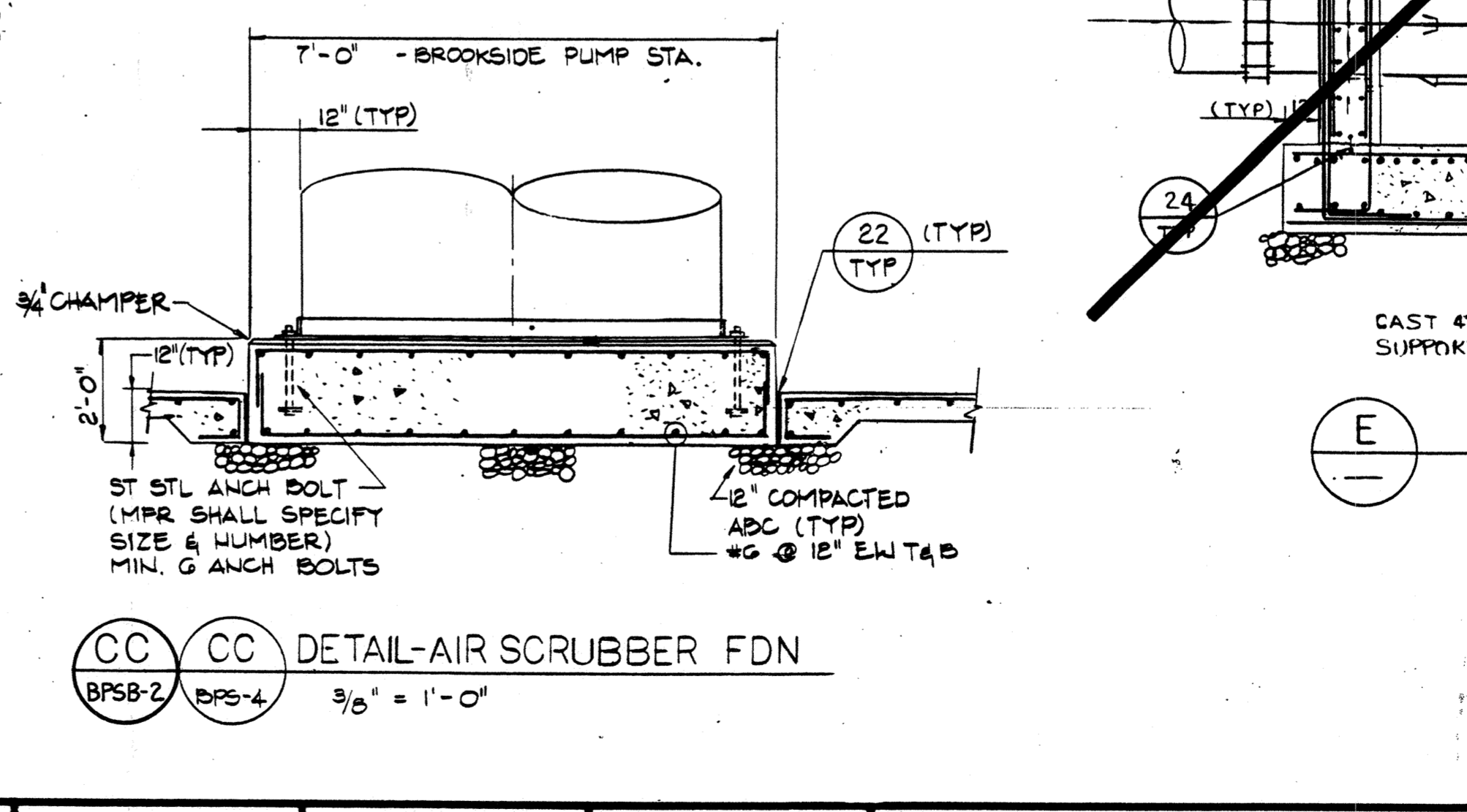
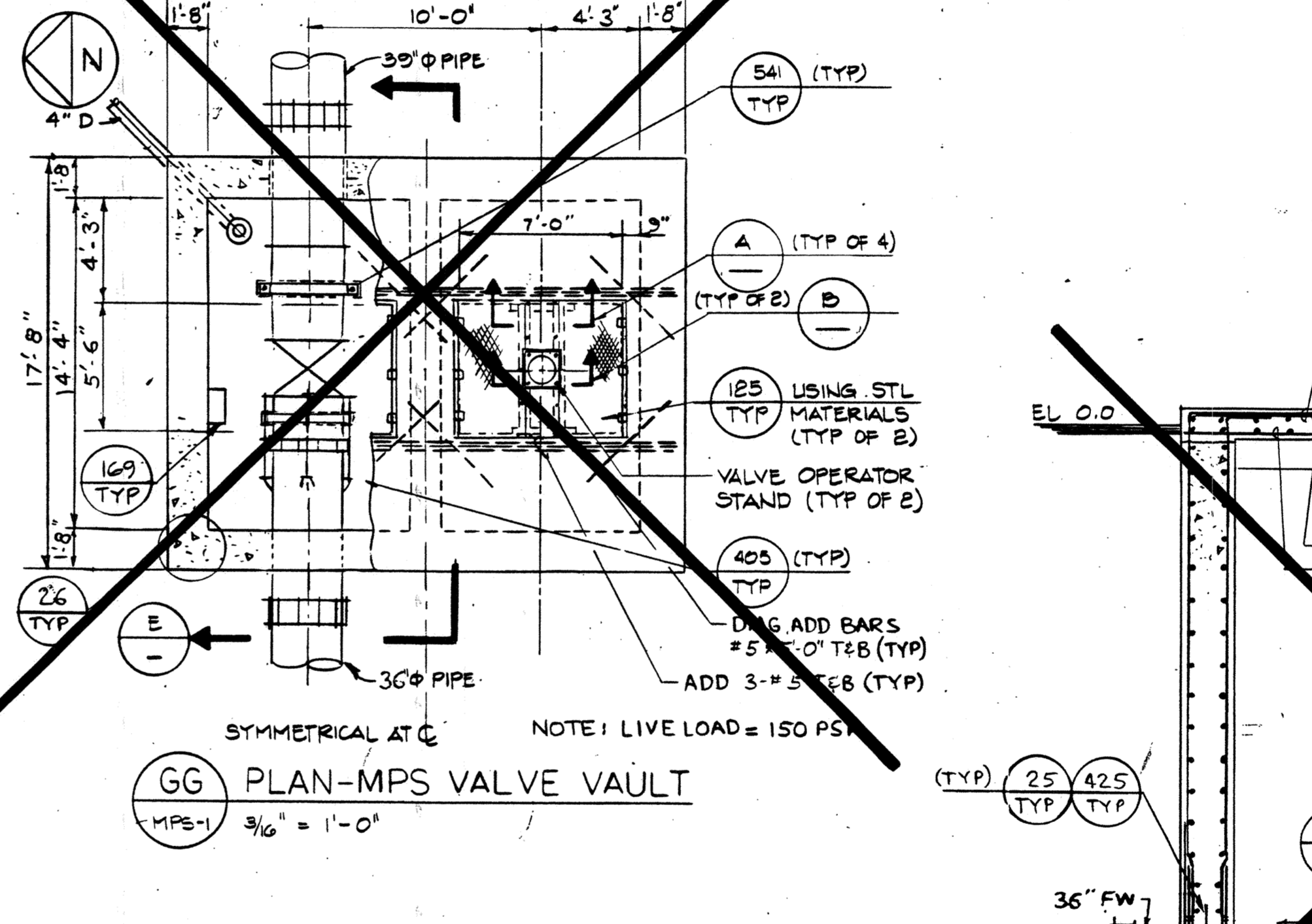
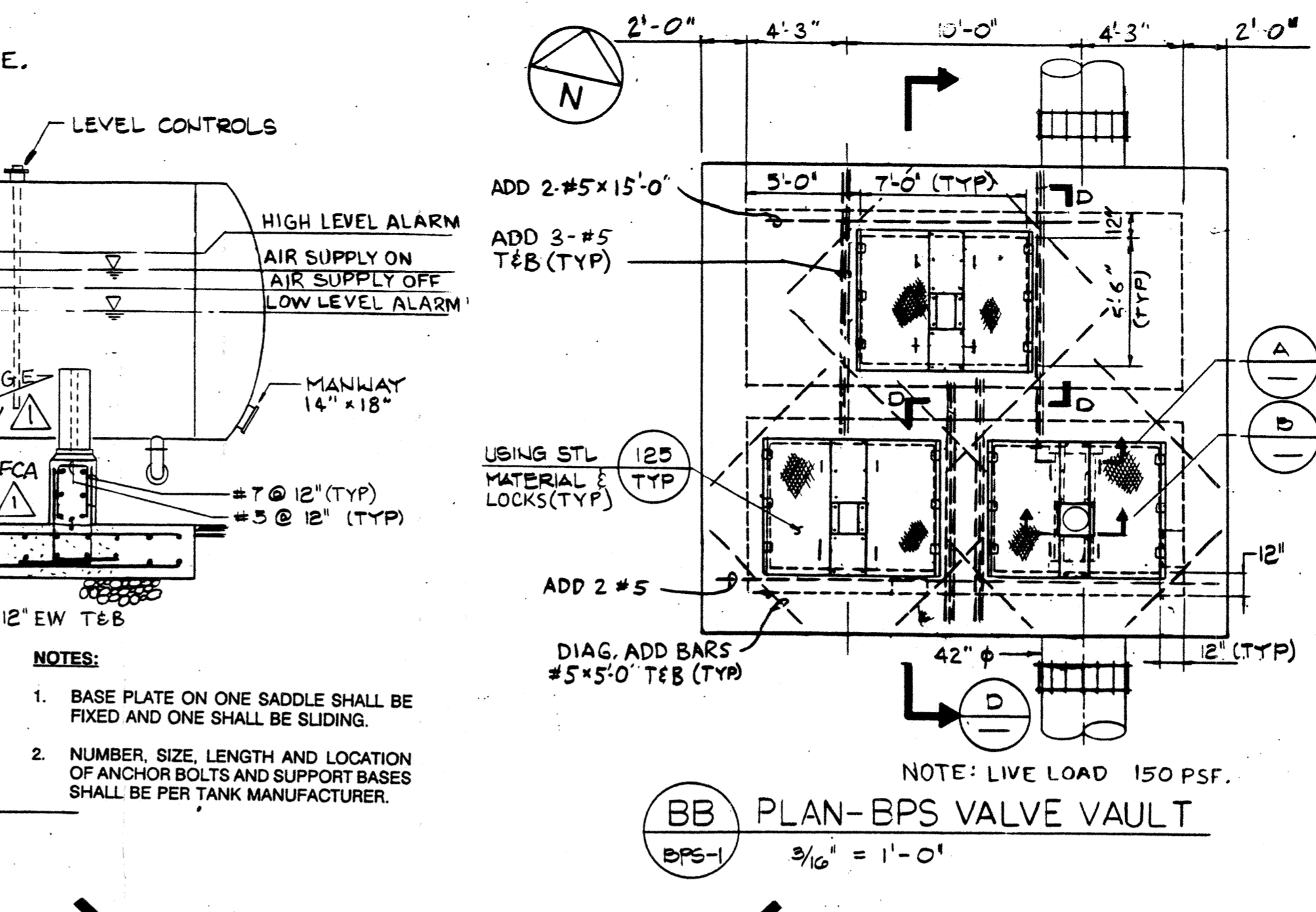
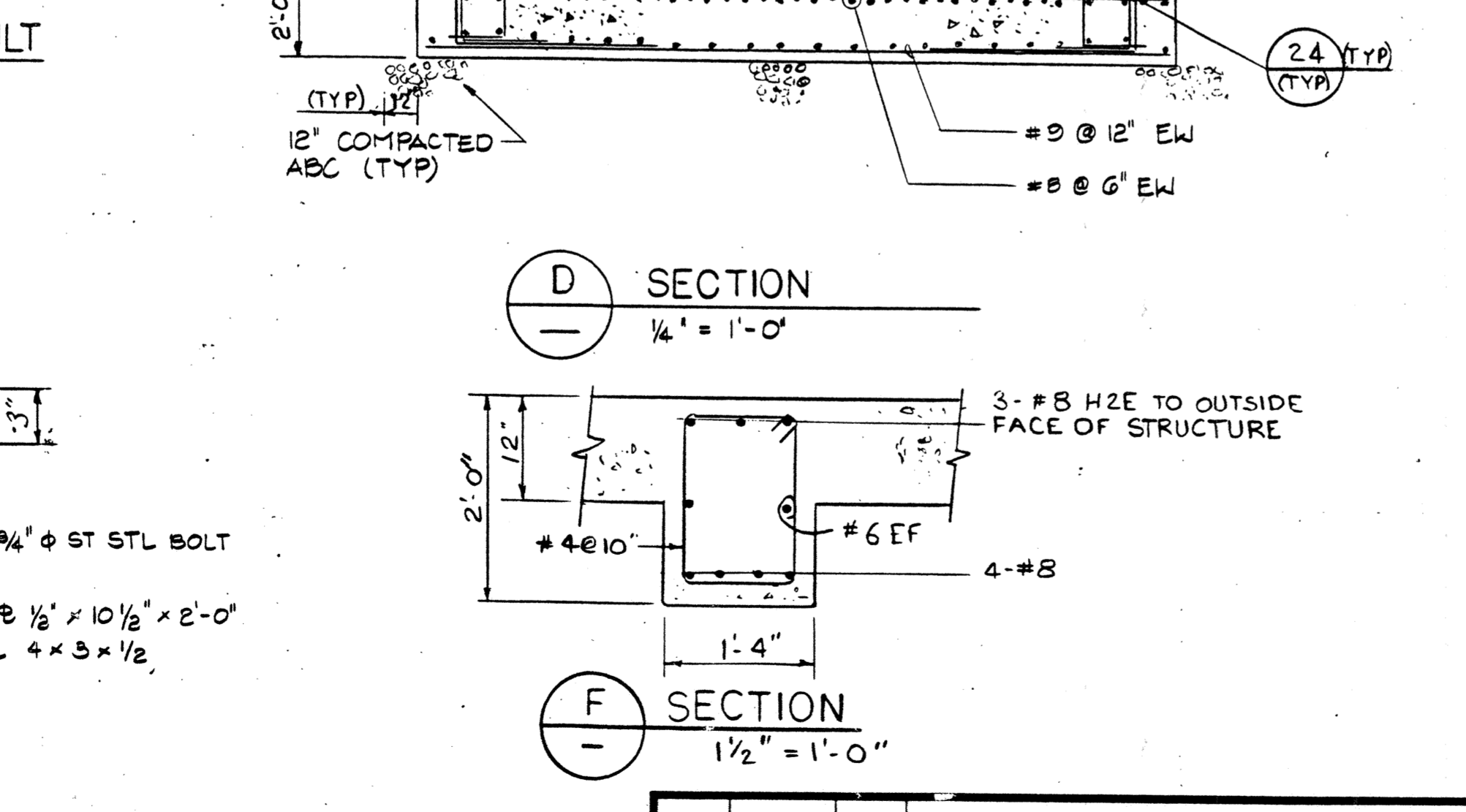
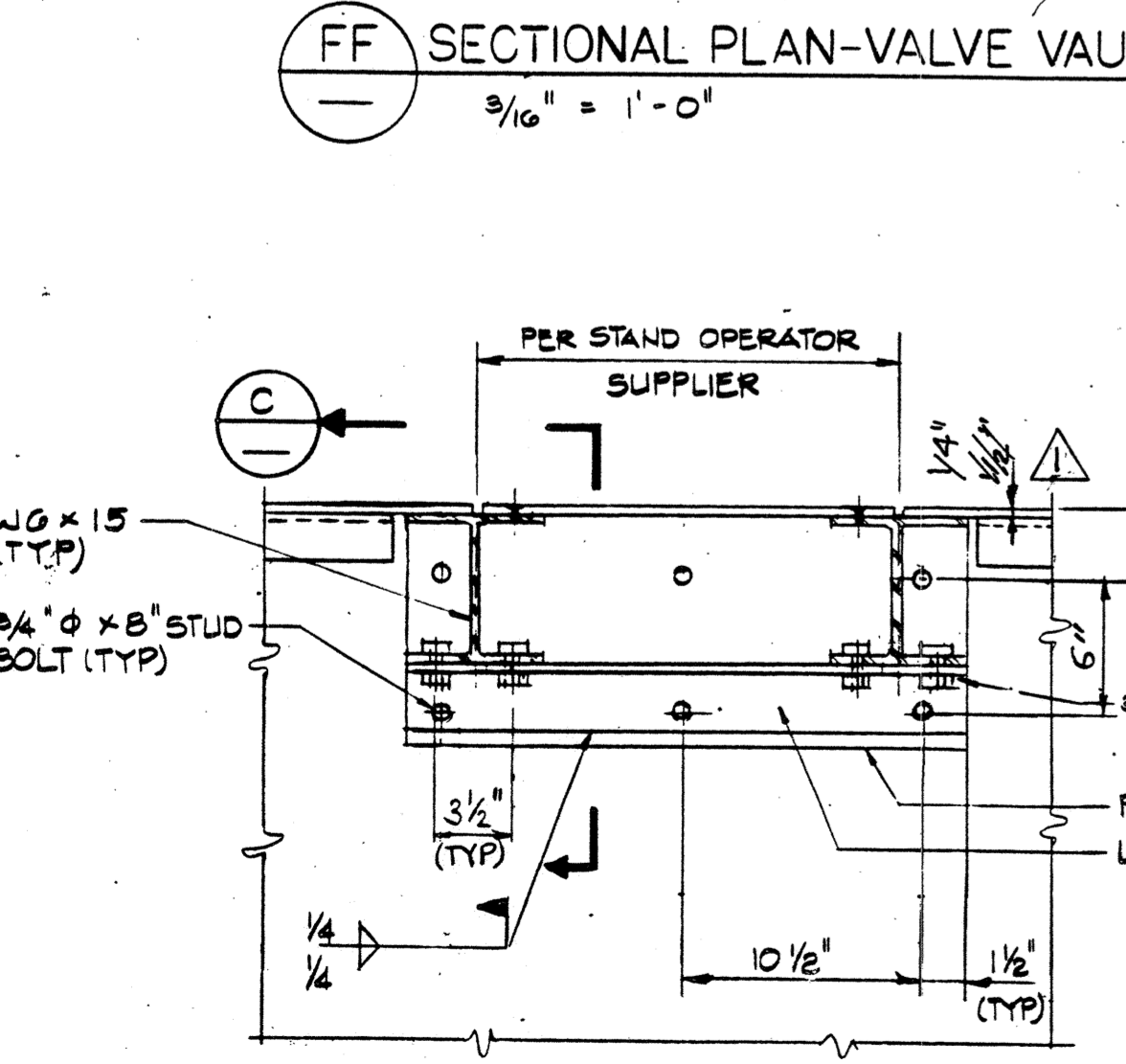
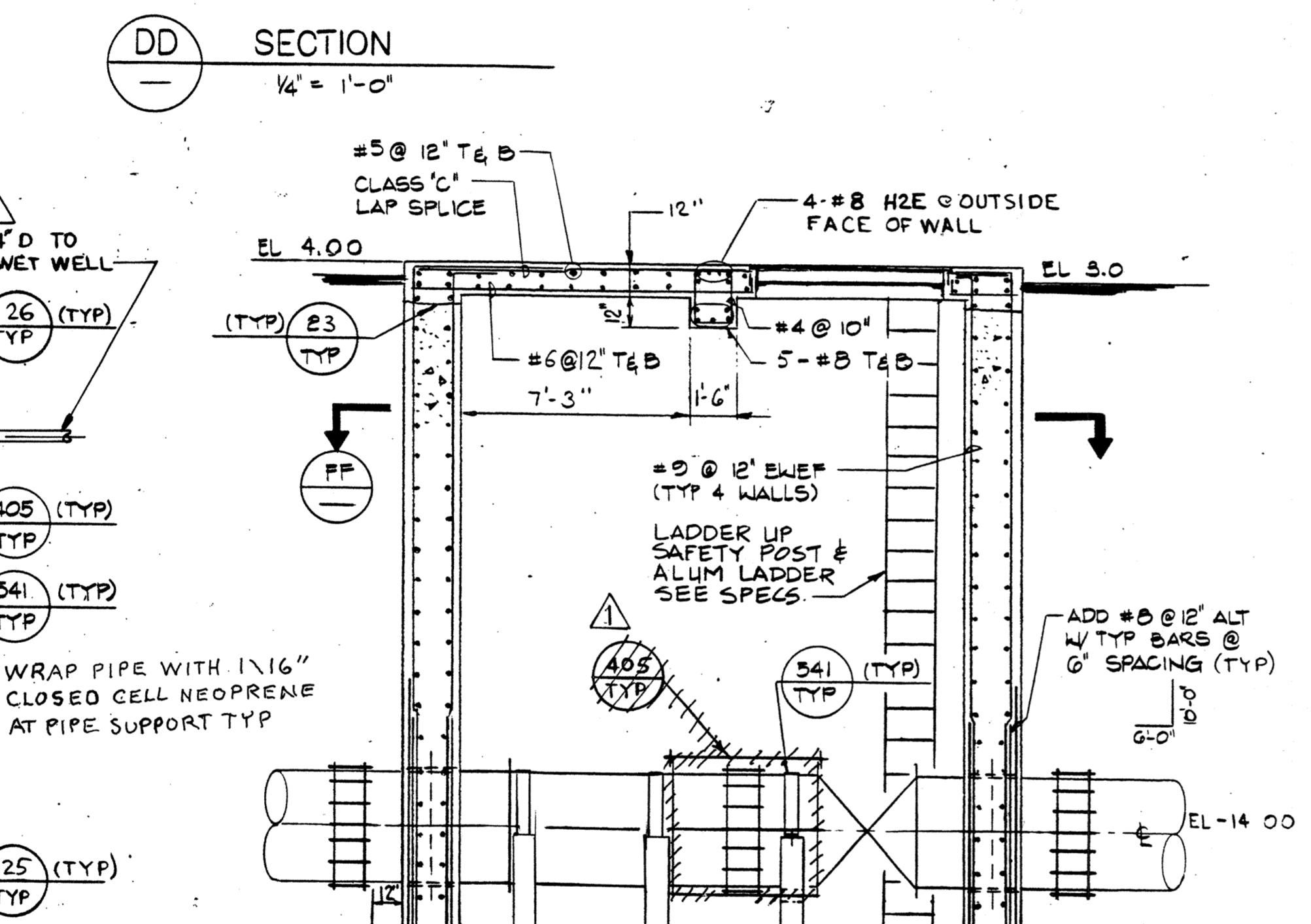
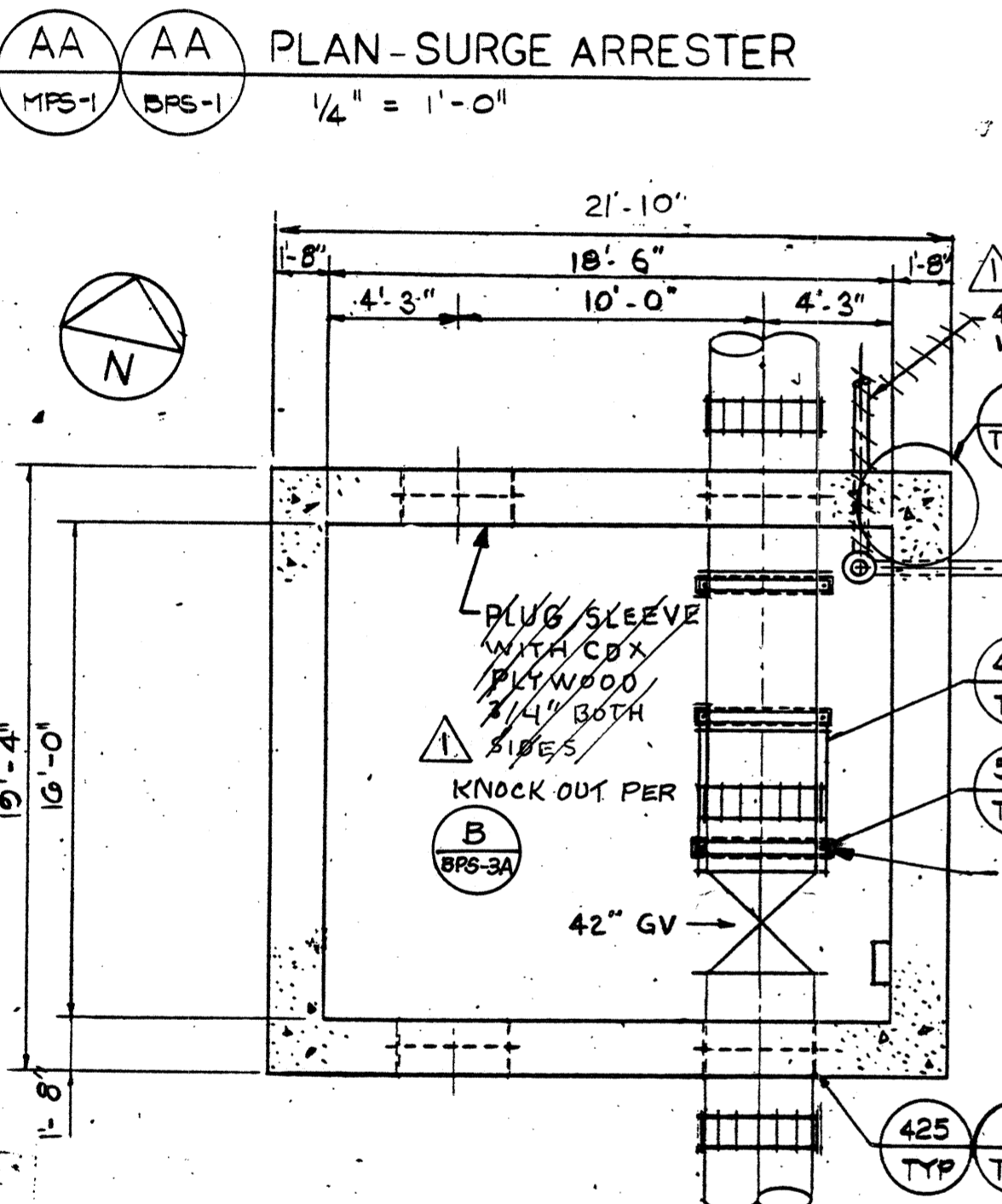
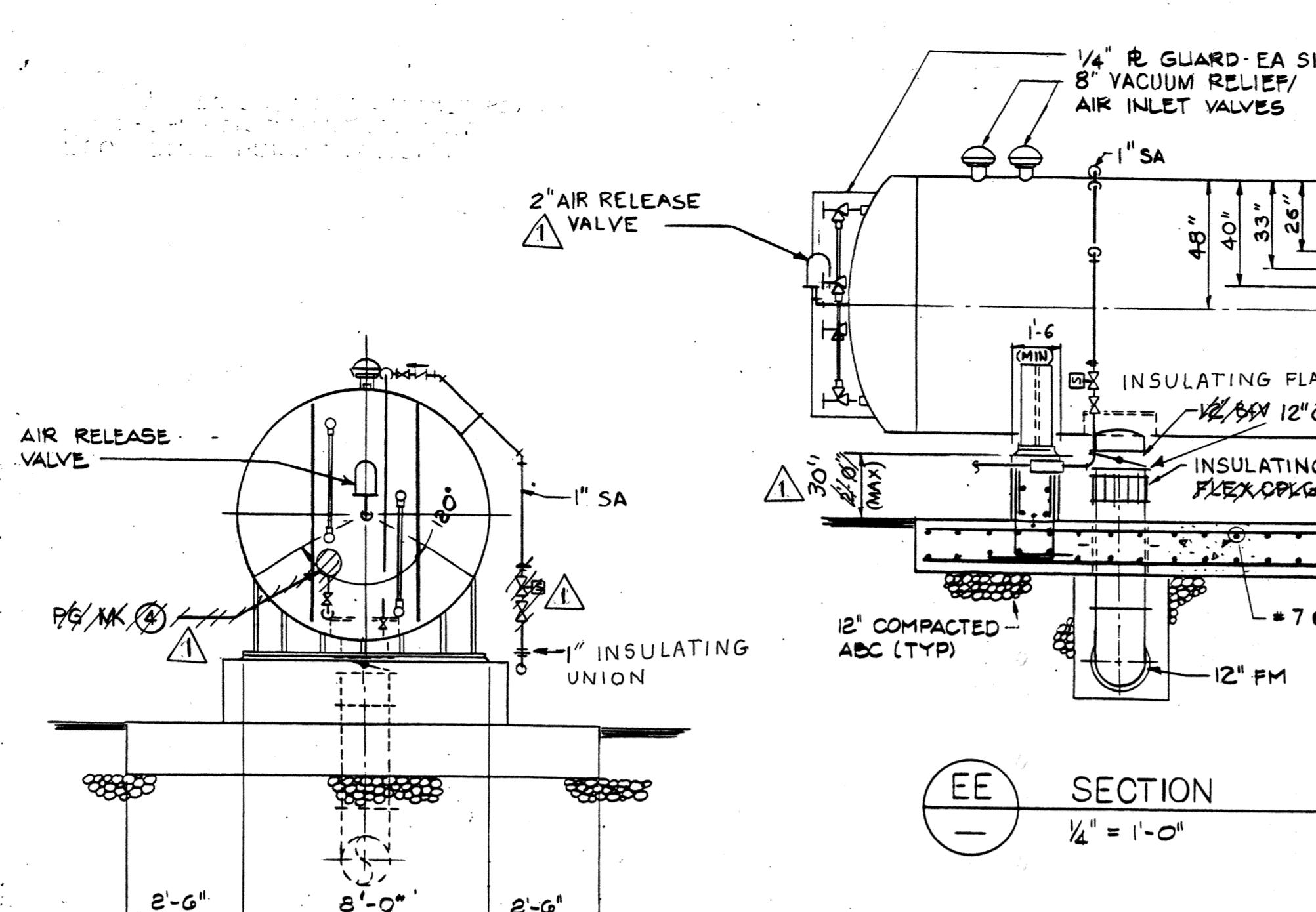
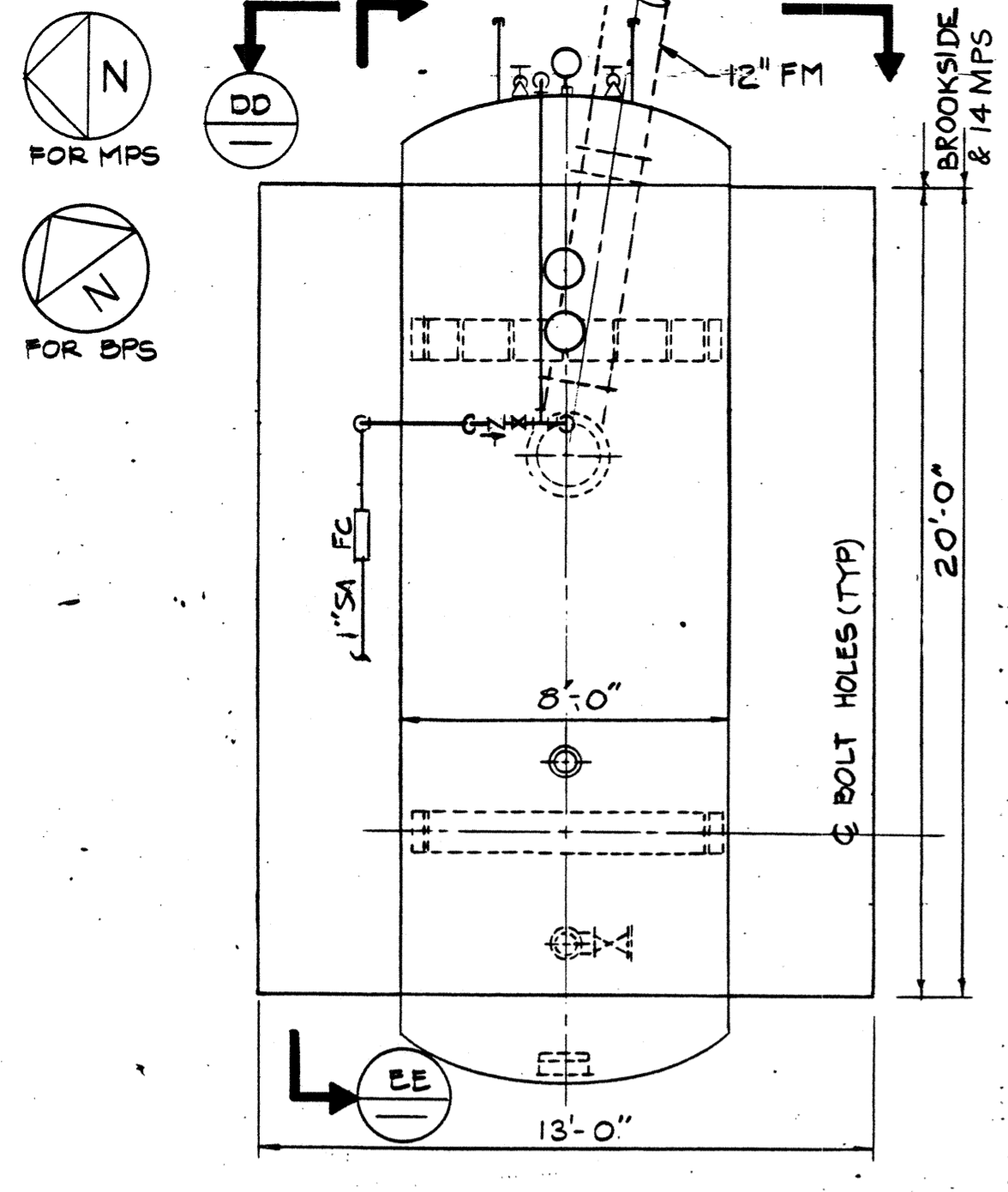
1/2000 PG RECORD DRAWING

REV. DATE BY DESCRIPTION



91-03 1/4" FULL SIZE PUMP STATION CAROLLO ENGRS. AUGUST 21, 1997

4006.52Ca



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
PLANS, SECTIONS & DETAILS
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: Rpw	DATE: 8/21/1997	DRAWING NO. BPS-8
DESIGNED: BS			SHEET NO. 54 OF 100
DRAWN: SSB/LE			JOB NO. 3385 A.11
CHECKED: JE			
AS BUILT BY: PG			

REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING

DISCIPLINE ENGINEER: [Signature]

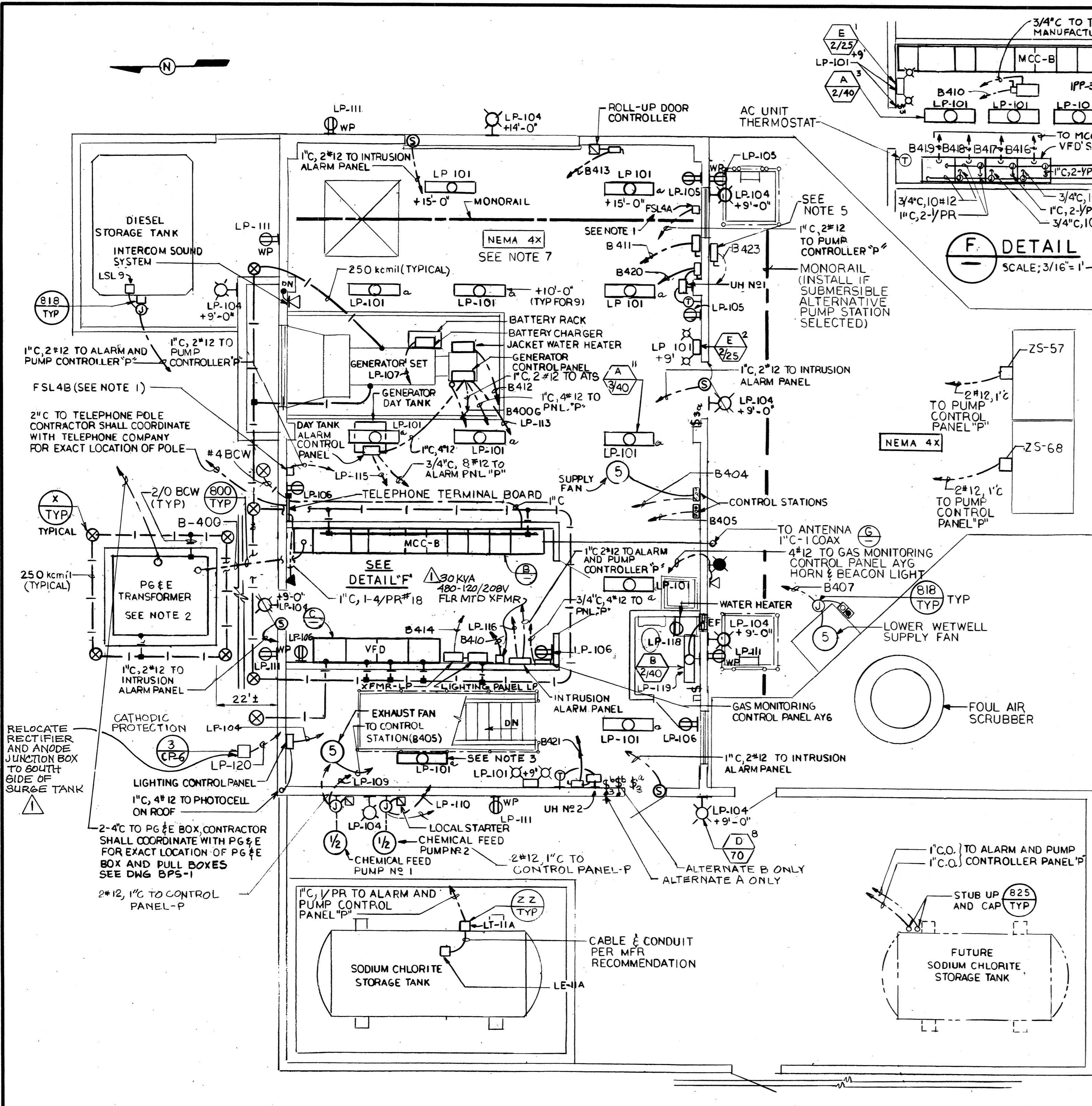
PROJECT ENGINEER: [Signature]

PARTNER: [Signature]

carollo engineers

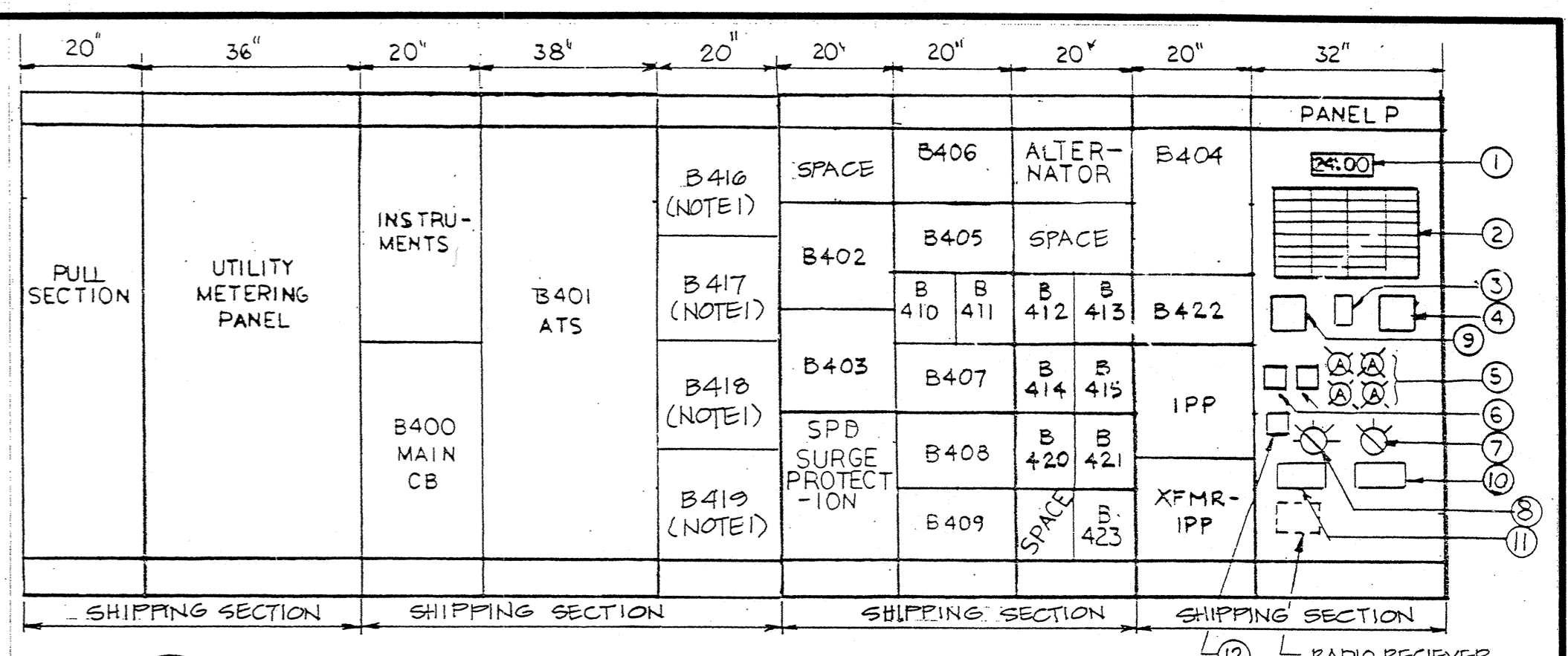
CAROLLO ENGINEERS, AUGUST 21, 1997

4006.530a



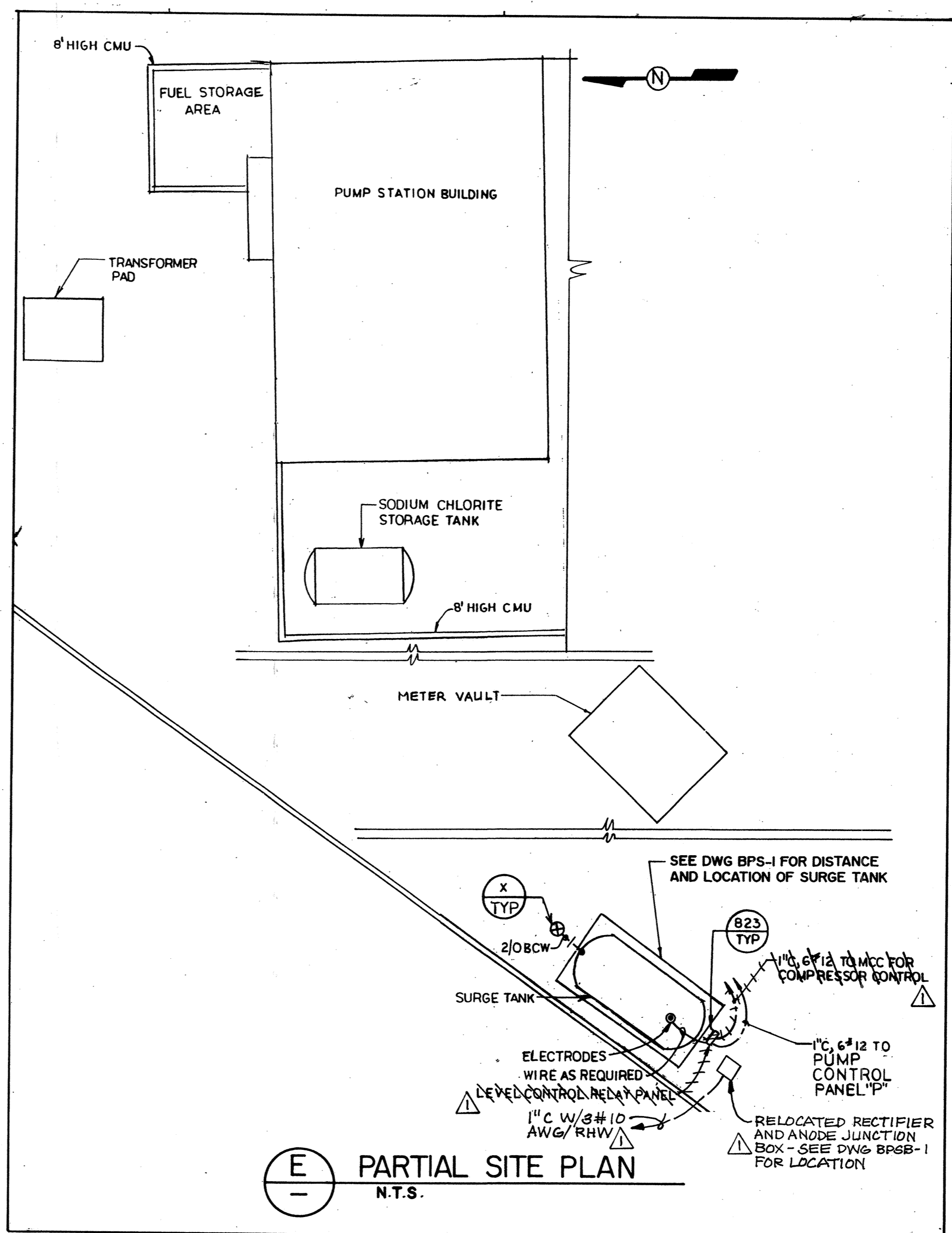
**NAME PLATE SCHEDULE
PANEL "P"**

- ① TIME CLOCK "KI"
- ② ANNUNCIATOR PANEL
- ③ FLOW RECORDER FIR 5 WITH TOTALIZER FQ 5
- ④ PUMP CONTROLLER
- ⑤ AMBER INDICATING LIGHT SEWAGE PUMP RUN.
- ⑥ LEVEL INDICATOR L I 11A & 11B (FUTURE)
- ⑦ SEAL WATER PUMP LEAD PUMP SEL.
- ⑧ SEWAGE PUMP LEAD PUMP SELECTOR 1-2-3-4
- ⑨ TIME PROGRAMMER "KS 14" FOR CHEMICAL FEED PUMPS
- ⑩ LIT-54
- ⑪ LIT-64
- ⑫ FLOW METER FIT-5

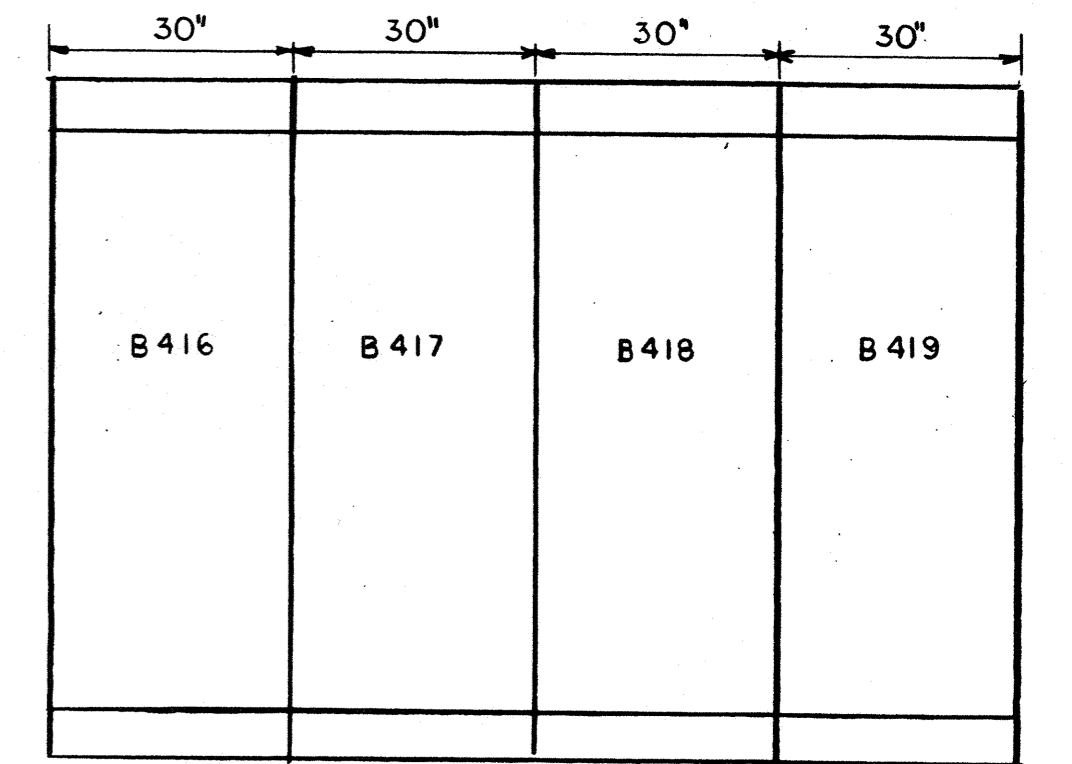


B MOTOR CONTROL CENTER "MCC-B" FRONT ELEVATION
N.T.S.

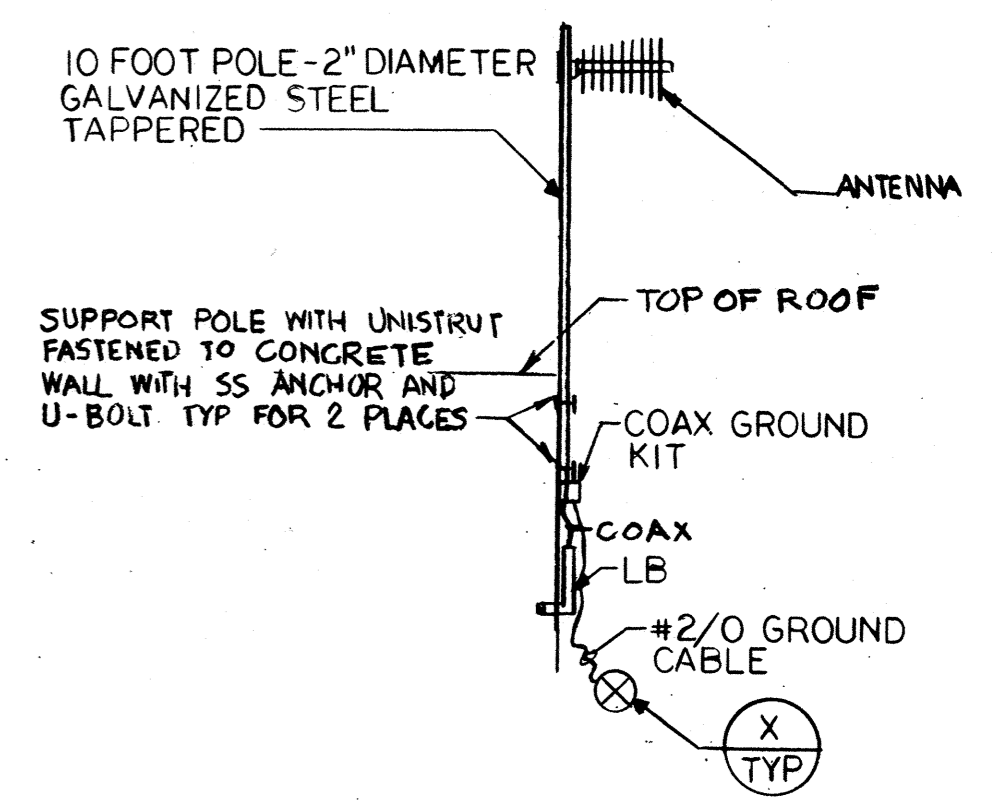
NOTE:
1. PROVIDE 600 AMP RATED VERTICAL BUS FOR THIS MCC SECTION



E PARTIAL SITE PLAN
N.T.S.



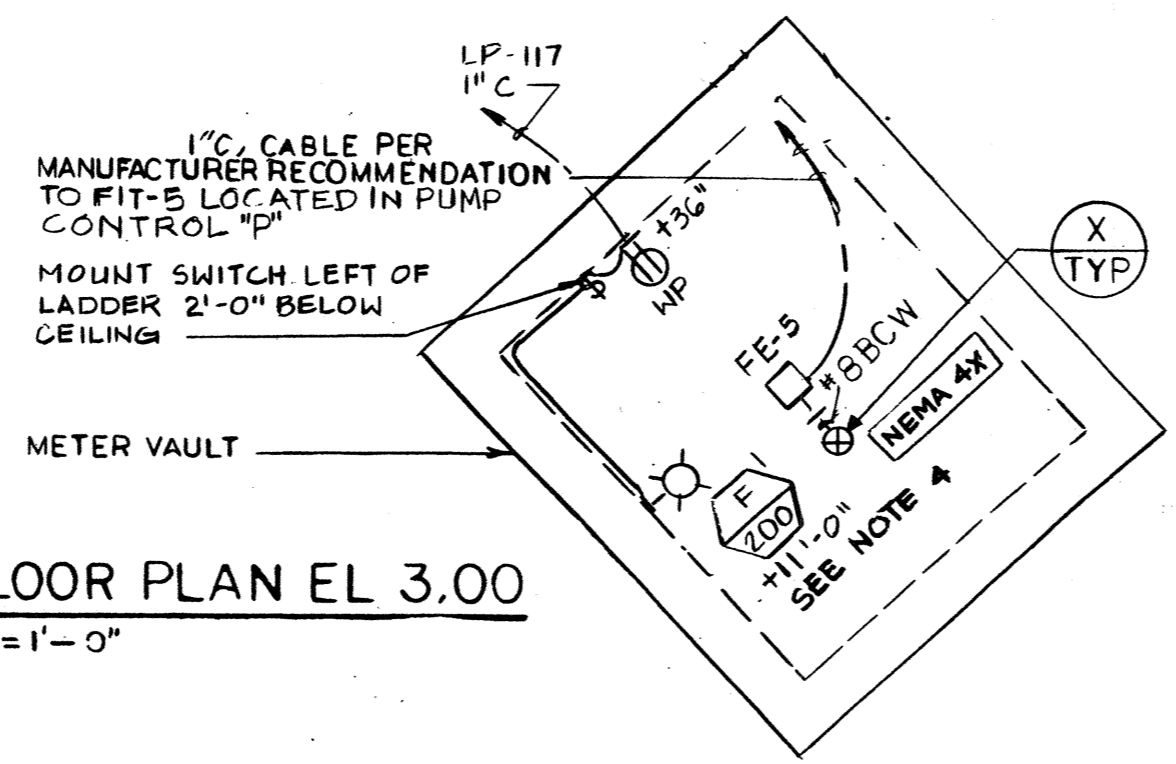
C VFD-FRONT ELEVATION
N.T.S.
SHIP VFD'S INDIVIDUALLY



G RADIO ANTENNA

- NOTE:**
1. MOUNT VENTILATION AIR FLOW MONITORS PER MANUFACTURER'S REQUIREMENTS AND PER THESE CONTRACT DOCUMENTS.
 2. FOR SIZE AND EXACT LOCATION OF GUARD POSTS SEE DWG. BPS-5.
 3. THIS FIXTURE SHALL BE INSTALLED ABOVE STAIRWAY IF ALTERNATIVE PUMP STATION SELECTED.
 4. SEE DWG. BPS-1 FOR DISTANCE AND LOCATION OF METER VAULT.
 5. DISCONNECT SWITCH SHALL BE INSTALLED IF ALTERNATIVE PUMP STATION SELECTED.
 6. DOUBLE DOOR IS ON OTHER SIDE OF ELECTRICAL ROOM IF ALTERNATIVE PUMP STATION SELECTED. CONTRACTOR SHALL INSTALL THE EMERGENCY LIGHT, THERMOSTAT, AND TELEPHONE JACK ON THE OTHER SIDE WHERE THE SINGLE DOOR IS.
 7. REFER TO MECHANICAL DWG FOR EXACT DIMENSIONS OF MAIN FLOOR IF ALTERNATIVE PUMP STATION SELECTED.
 8. FOR CONDUIT AND CABLE SIZE NOT SHOWN, SEE SINGLE LINE DIAGRAM.
 9. REFER TO SHEETS E-1 THROUGH E-5 FOR TYPICAL DETAIL REFERENCED THIS SHEET.
 10. SCHEDULE 3 ALTERNATE IA = WET PIT/DRY PIT PUMP ARRANGEMENT. ALTERNATE IB = SUBMERSIBLE PUMP ARRANGEMENT.

A MAIN FLOOR PLAN EL 3.00
SCALE: 3/16" = 1'-0"



METER VAULT

REV.	DATE	BY	DESCRIPTION

BROOKSIDE PUMP STATION

DISCIPLINE ENGINEER
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. E008792
DATE 6/30/00

PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. CS0182

PARTNER
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. C20240

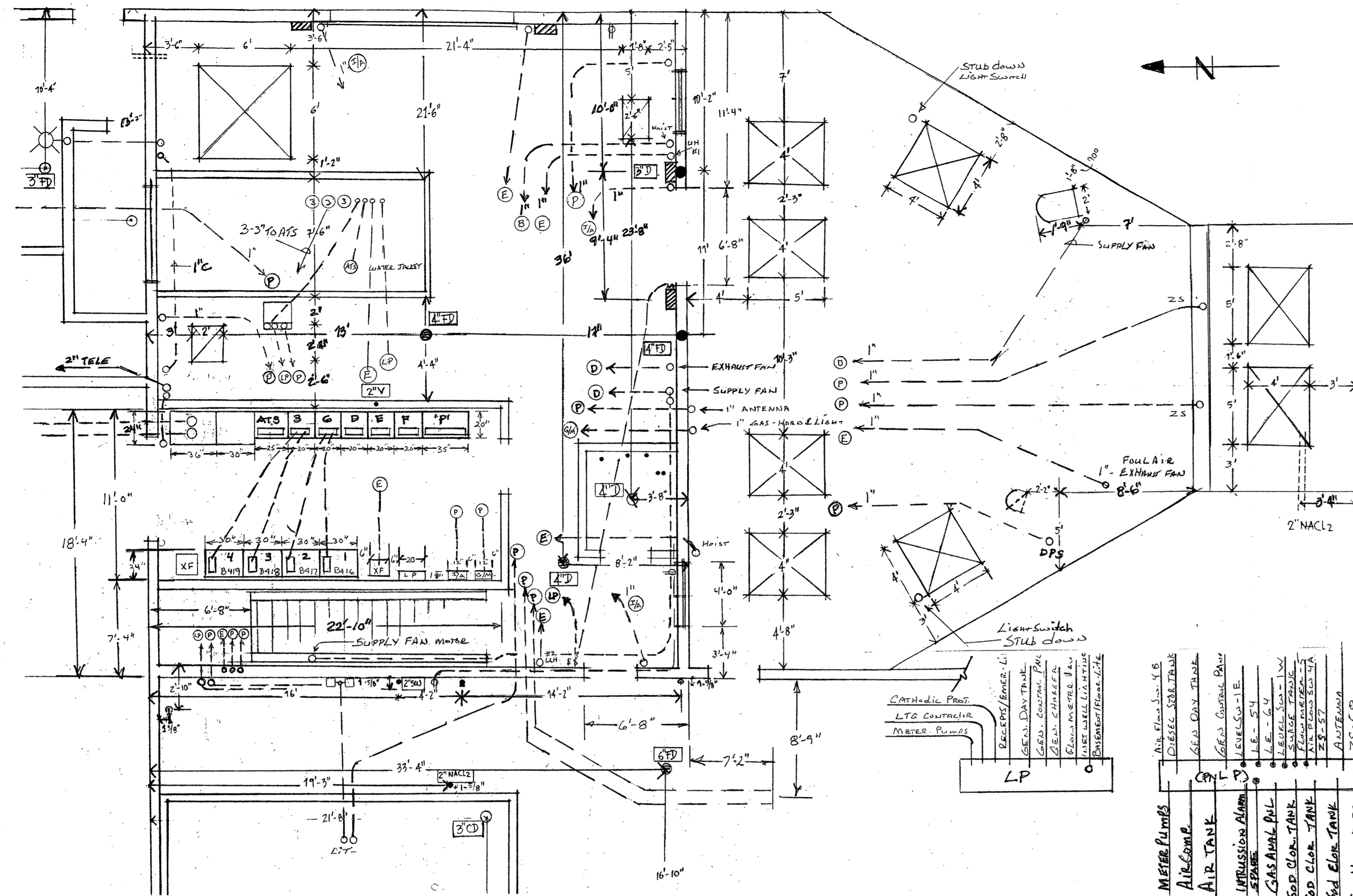


WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

PLAN EL 3.00 LIGHTING, POWER & MCC

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: RPW	DRAWING NO. BPS-9
DESIGNED: O.T./P.K.	DATE: 5/21/07	SHEET NO. 55 OF 100
DRAWN: S.S.	CITY ENGINEER	JOB NO. 3385D.10
CHECKED: JA	STOCKTON, CALIF.	
AS BUILT BY: PG		



FLOOR PLAN
 SCALE APPROX. 3/16" = 1'-0"

- METER PUMPS
- AIR COMP
- AIR TANK
- INGR ALARM
- GAS ANAL
- SOD CLK TANK
- Sd CLK TANK
- SCRUBBER D.P.S.
- Ant. Elec. Unit
- Diesel S.M. Tank
- G.A. Dry Tank
- Gas Control Box
- Ingressions
- L.E.C. Unit
- L.E.C. Unit
- L.E.C. Unit
- S.M. Tank
- S.M. Tank
- S.M. Tank
- S.M. Tank
- S.M. Tank
- S.M. Tank
- S.M. Tank

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

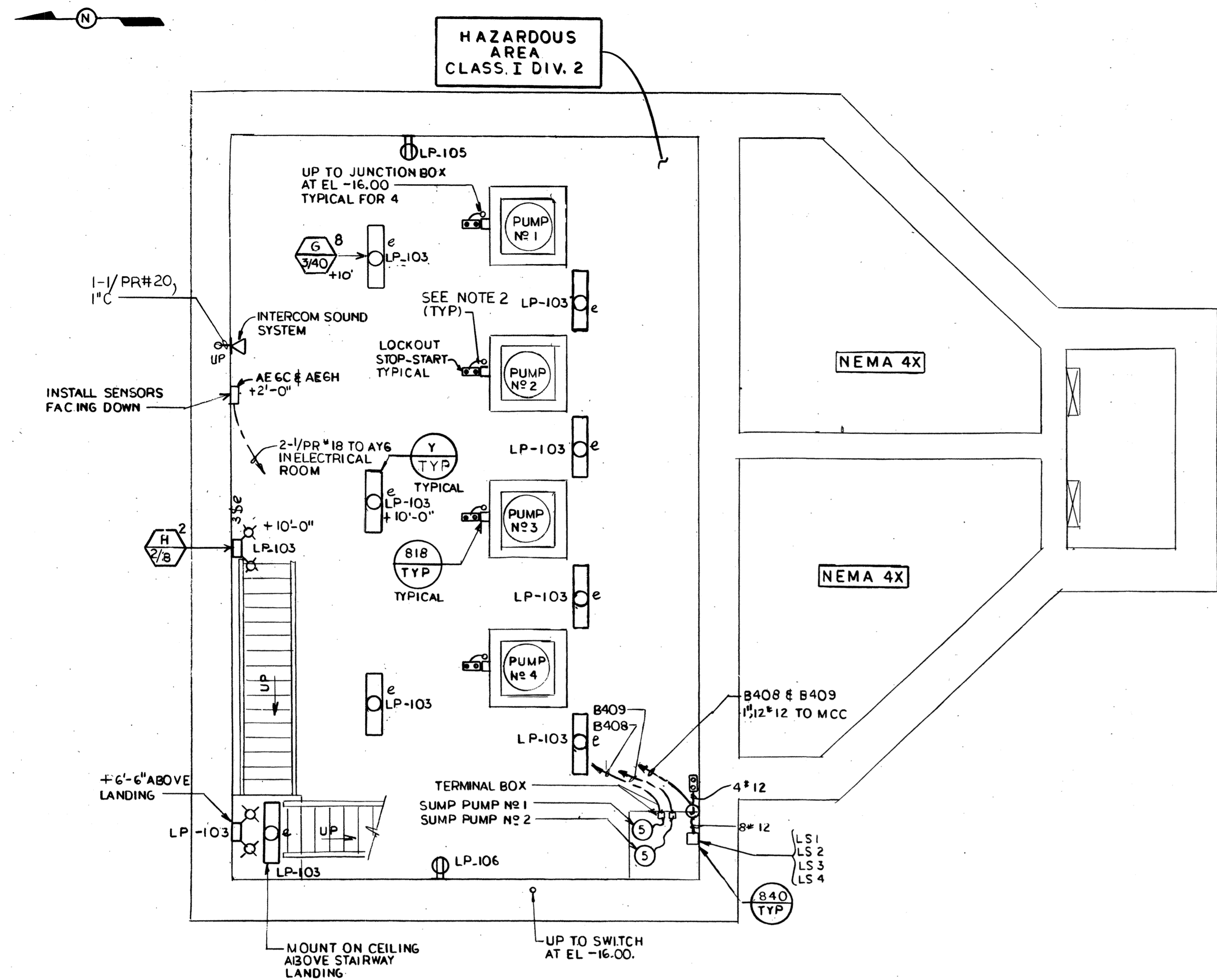
ELECTRICAL RECORD DRAWING DETAILS

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

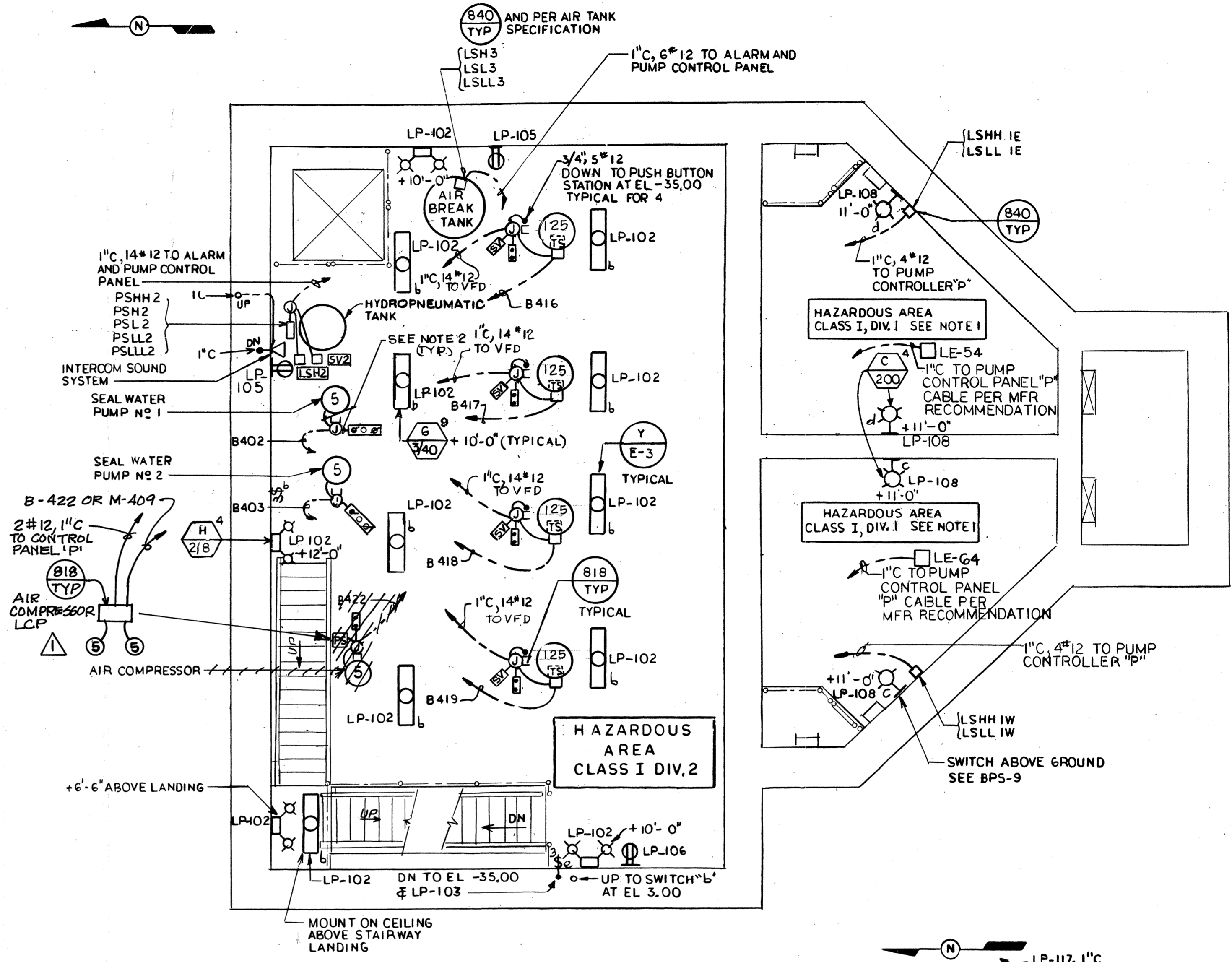
SCALE: —	APPROVED BY:	DRAWING NO. BPS-9R
DESIGNED: BEH	DATE: JAN 2000	SHEET NO. 55A OF 100
DRAWN: PG	CITY ENGINEER STOCKTON, CALIF.	JOB NO. 3385F.10
CHECKED:		
AS BUILT BY: PG		

DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER	
REVISED FOR RECORD SEE ORIGINAL FOR SIGNED STAMPS			
REVISION	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWINGS

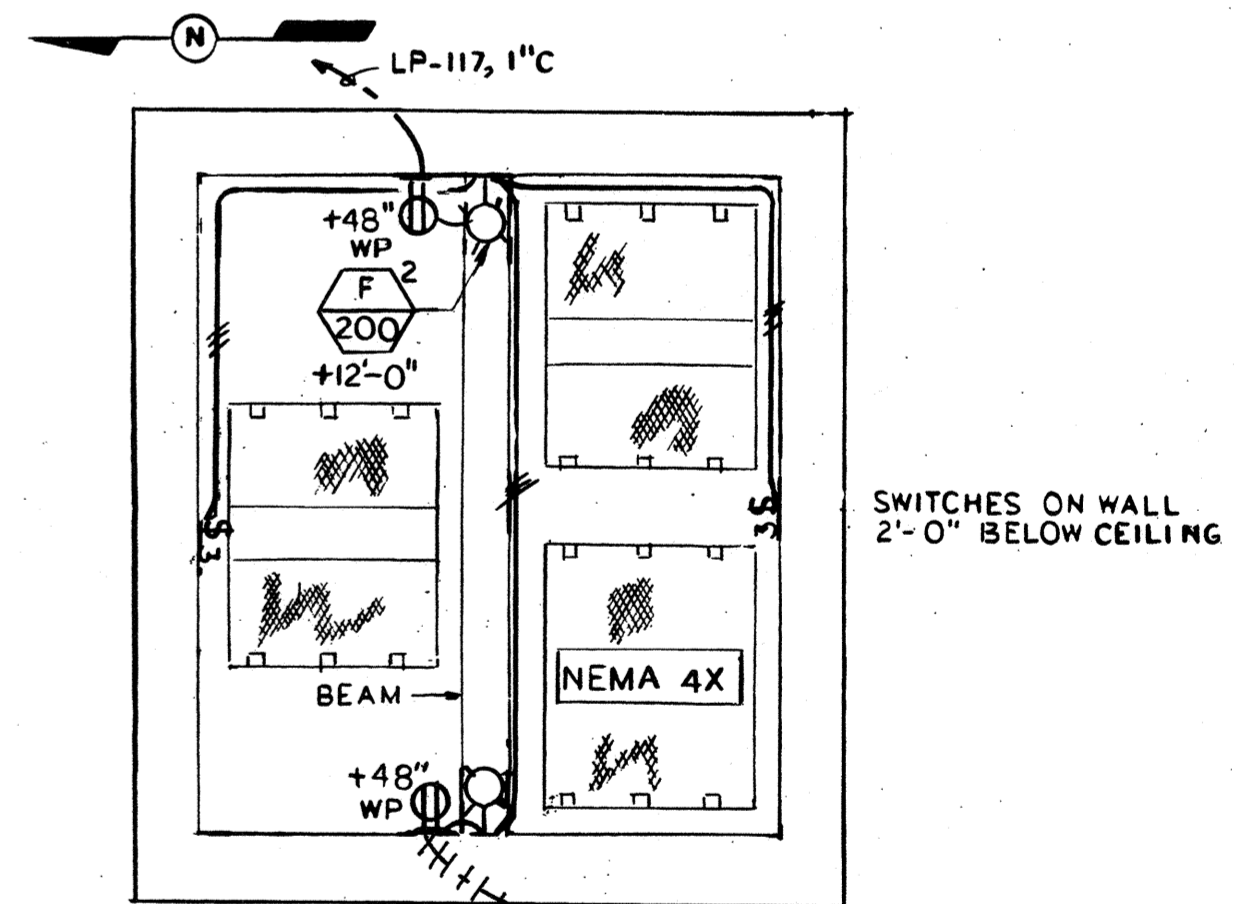




A PLAN - FLOOR AT EL -35.00
SCALE: 3/16" = 1'-0"



B PLAN - FLOOR AT EL -16.00
SCALE: 3/16" = 1'-0"



C VALVE VAULT
SCALE: 3/16" = 1'-0"
FOR VAULT LOCATION SEE DWG. BPS-1
(TYPICAL FOR ALTERNATES A & B)

NOTES:
1. ALL ELECTRICAL EQUIPMENT SHALL BE FURNISHED AND INSTALLED PER NEC REQUIREMENTS FOR CLASS I, DIV 1 OR DIV 2 GROUP B, C, D HAZARDOUS LOCATION.
2. FOR CONDUIT AND CABLE SIZE NOT SHOWN SEE SINGLE LINE DIAGRAM AND BPS-11, E-1 THROUGH E-5.

BROOKSIDE PUMP STATION

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
PLAN EL -16.00 & EL -35.00 LIGHTING & POWER

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i> DATE: <i>[Date]</i>	DRAWING NO. BPS-10
DESIGNED: O.T./P.K.		SHEET NO. 56 OF 100
DRAWN: S.S.		JOB NO. 3385D.10
CHECKED: <i>[Signature]</i>	CITY ENGINEER	
AS BUILT BY: P.G.	STOCKTON, CALIF.	

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

DISCLAIMER: I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA. I HAVE REVIEWED THIS DRAWING AND I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. I AM NOT PROVIDING ANY GUARANTEE OR WARRANTY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN.

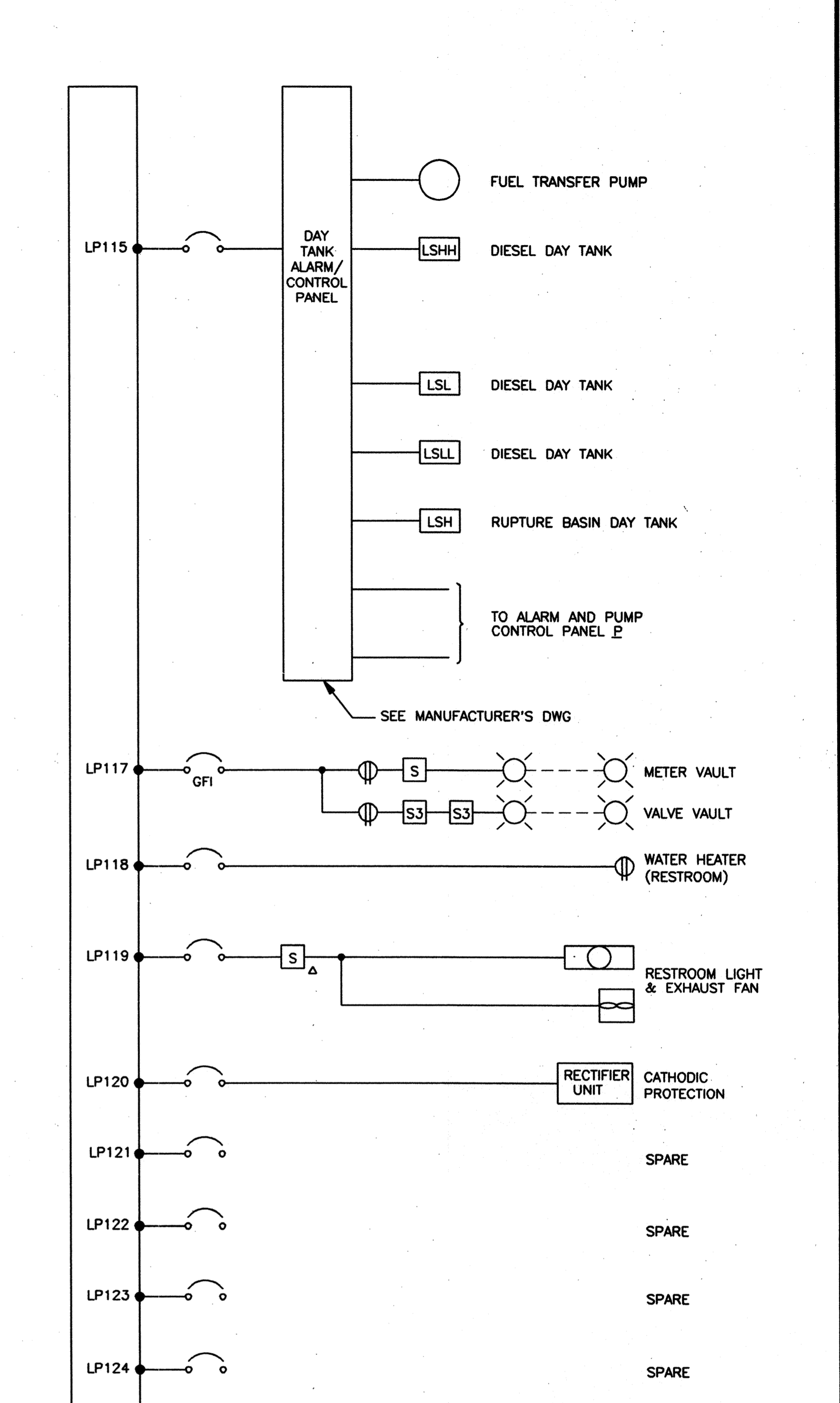
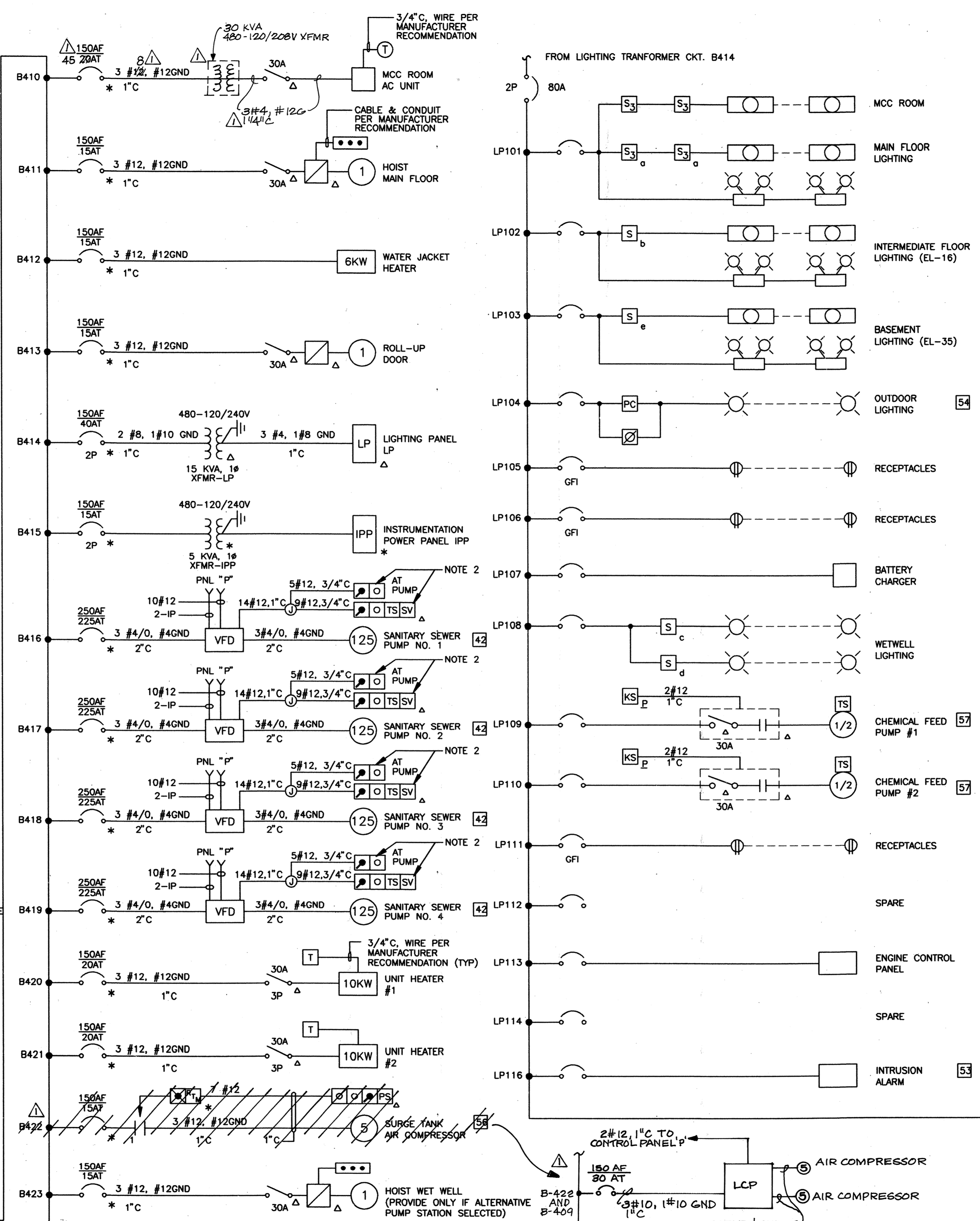
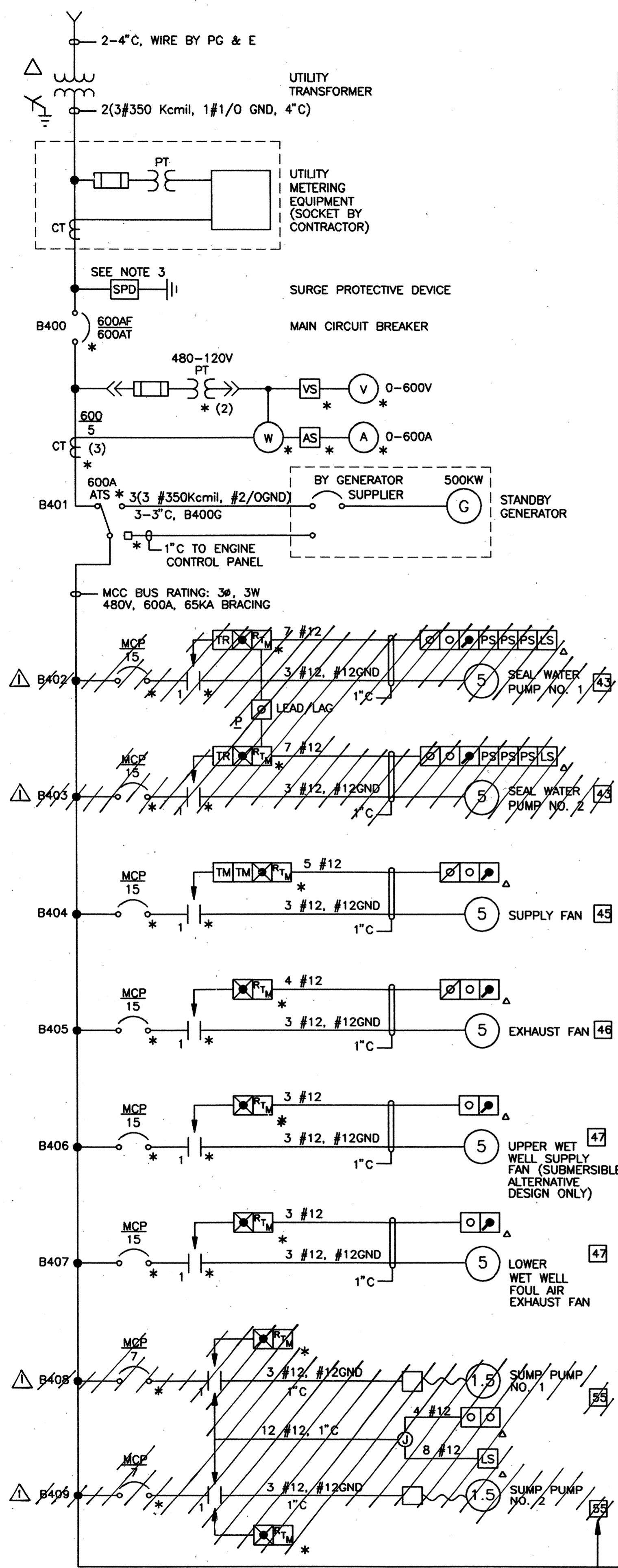
JORGE AGUILAR
REGISTERED PROFESSIONAL ENGINEER
No. E008757
ELECTRICAL
STATE OF CALIFORNIA

MARK E. HANCOCK
REGISTERED PROFESSIONAL ENGINEER
No. C0182
ELECTRICAL
STATE OF CALIFORNIA

WALTER A. BUSTARD
REGISTERED PROFESSIONAL ENGINEER
No. C20240
ELECTRICAL
STATE OF CALIFORNIA



4006.55 Ca



NOTES:

- UNLESS OTHERWISE NOTED:
ALL 480V BREAKERS ARE 3-POLE
ALL 120V BREAKERS ARE 1-POLE, 20A
ALL 120V CIRCUITS ARE 2#12+1#12GND IN 1" C IF EMBEDDED OR 3/4" C IF EXPOSED.
- PROVIDE ONLY IF ALTERNATE-A IS SELECTED. WET PIT/DRY PIT PUMPS SHALL BE 50 HORSEPOWER MIN.
- LIGHTNING AND SURGE PROTECTION UNIT SHALL BE A COMBINATION OF LIGHTNING ARRESTER AND SURGE CAPACITOR. SEE SPECIFICATIONS.

RECORD DRAWING

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
BROOKSIDE PUMP STATION
SINGLE LINE DIAGRAM

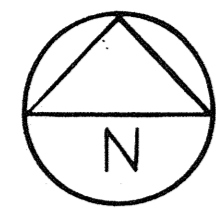
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE:	NONE	DRAWING NO.:	BPS-11
DESIGNED BY:	PK/OT	SHEET NO.:	57 OF 100
DRAWN BY:	WB	JOB NO.:	3385D.10
CHECKED BY:	JA	DATE: 02/17/07	
AS BUILT BY:	PG	CITY ENGINEER: [Signature]	

carollo engineers

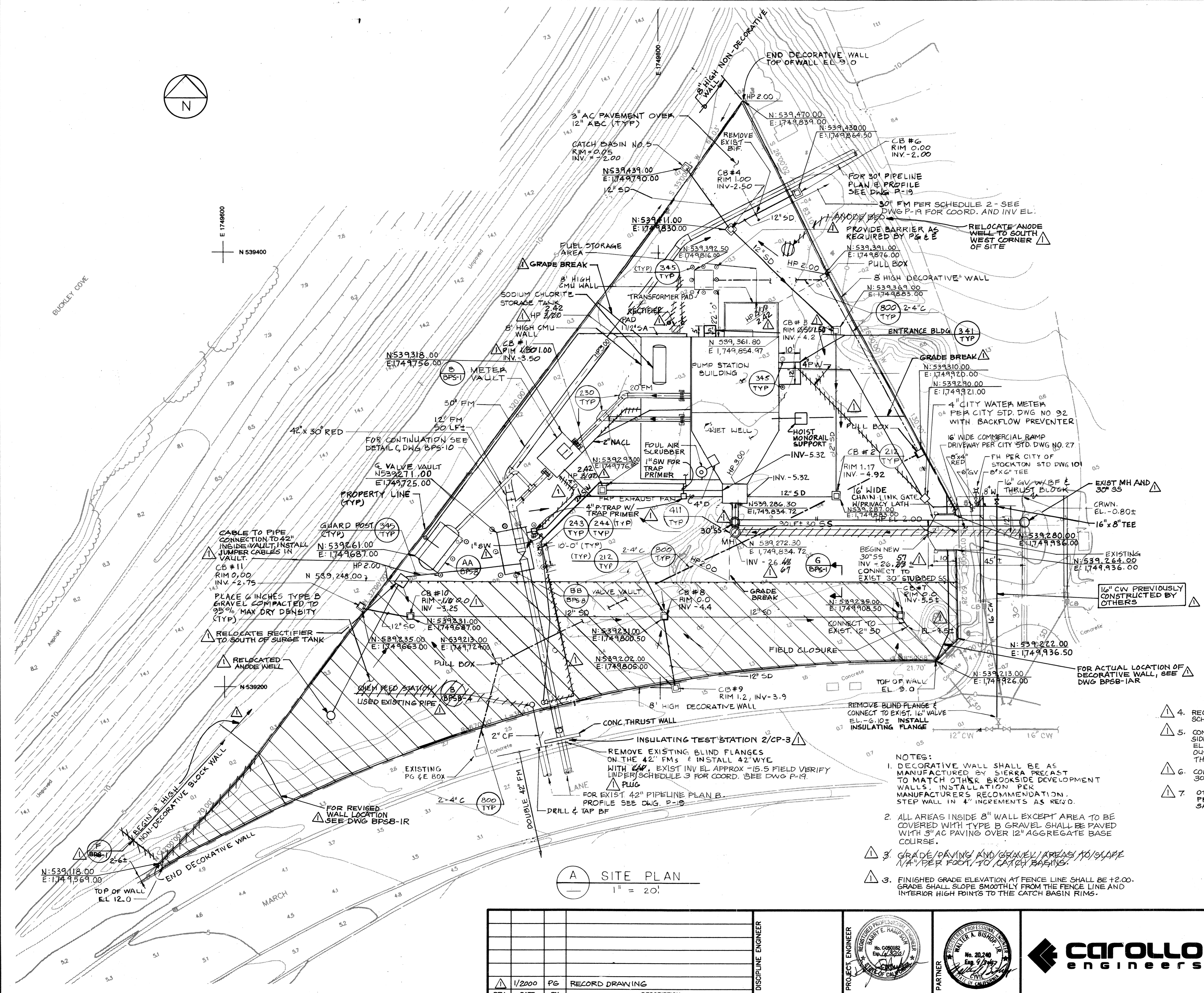
DISCIPLINE ENGINEER		PROJECT ENGINEER		PARTNER	
REGISTERED PROFESSIONAL ENGINEER		REGISTERED PROFESSIONAL ENGINEER		REGISTERED PROFESSIONAL ENGINEER	
[Signature]		[Signature]		[Signature]	
No. 1112		No. C50182		No. C20240	
Exp. 6/30/00		Exp. 6/30/00		Exp. 1/30/00	
ELECTRICAL		ELECTRICAL		ELECTRICAL	
STATE OF CALIFORNIA		STATE OF CALIFORNIA		STATE OF CALIFORNIA	
REV.	DATE	BY	DESCRIPTION		
1/		PG	RECORD DRAWING		

DWG LAST EDITED BY: LVM USER LOGIN TIME: JULY 7, 1997 7:23 AM DWG LAST EDITED ON: 07/08/97 09:45:02



E 1749800
N 539400

BUCKET CODE



(A) SITE PLAN
1" = 20'

- 4. RECTIFIER PAD AND ANODE BED TO BE INSTALLED BY SCHEDULE 2, CONTRACTOR, SEE DRAWING CP-5.
- 5. CONTRACTOR TO INSTALL SHEETING AND SHORING ON ALL FOUR SIDES OF PUMP STATION EXCAVATION. TOP OF SHEETING SHALL BE EL 0.00. SHEETING SHALL NOT BE LESS THAN 3 FEET FROM OUTSIDE WALL OF PUMP STATION. WALES SHALL NOT BE LESS THAN 3 FEET FROM OUTSIDE WALL OF PUMP STATION.
- 6. CONTRACTOR TO INSTALL SHEETING AND SHORING FOR 30-INCH FM TO PROTECT VELEE.
- 7. OTHER BROOKSIDE DEVELOPMENT WALLS ARE "SIERRA PRECAST CLASSIC" WALL. CONTRACTOR TO PAINT WALL SAME COLOR AS THE EXISTING WALL ON MARCH LANE.

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

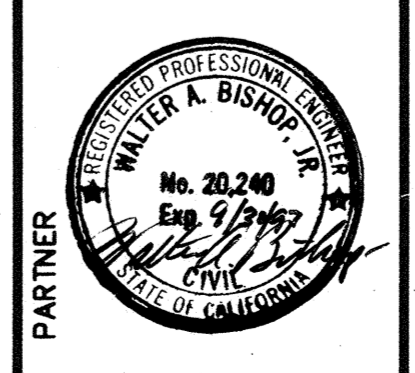
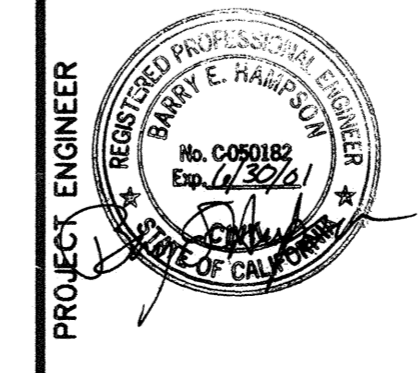
BROOKSIDE PUMP STATION SITE PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

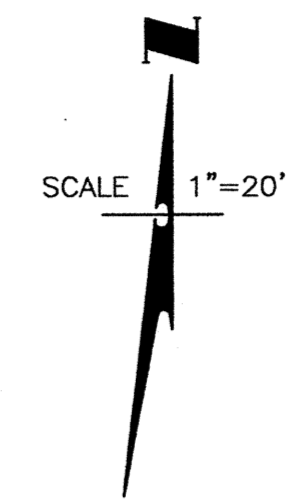
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DRAWING NO. BPSB-1
DESIGNED: PDF	DATE: 3/1/19	SHEET NO. 58 OF 100
DRAWN: JM	<i>[Signature]</i>	JOB NO. 3385D.10
CHECKED: JE	CITY ENGINEER	
AS BUILT BY: PC	STOCKTON, CALIF.	

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

DISCIPLINE ENGINEER



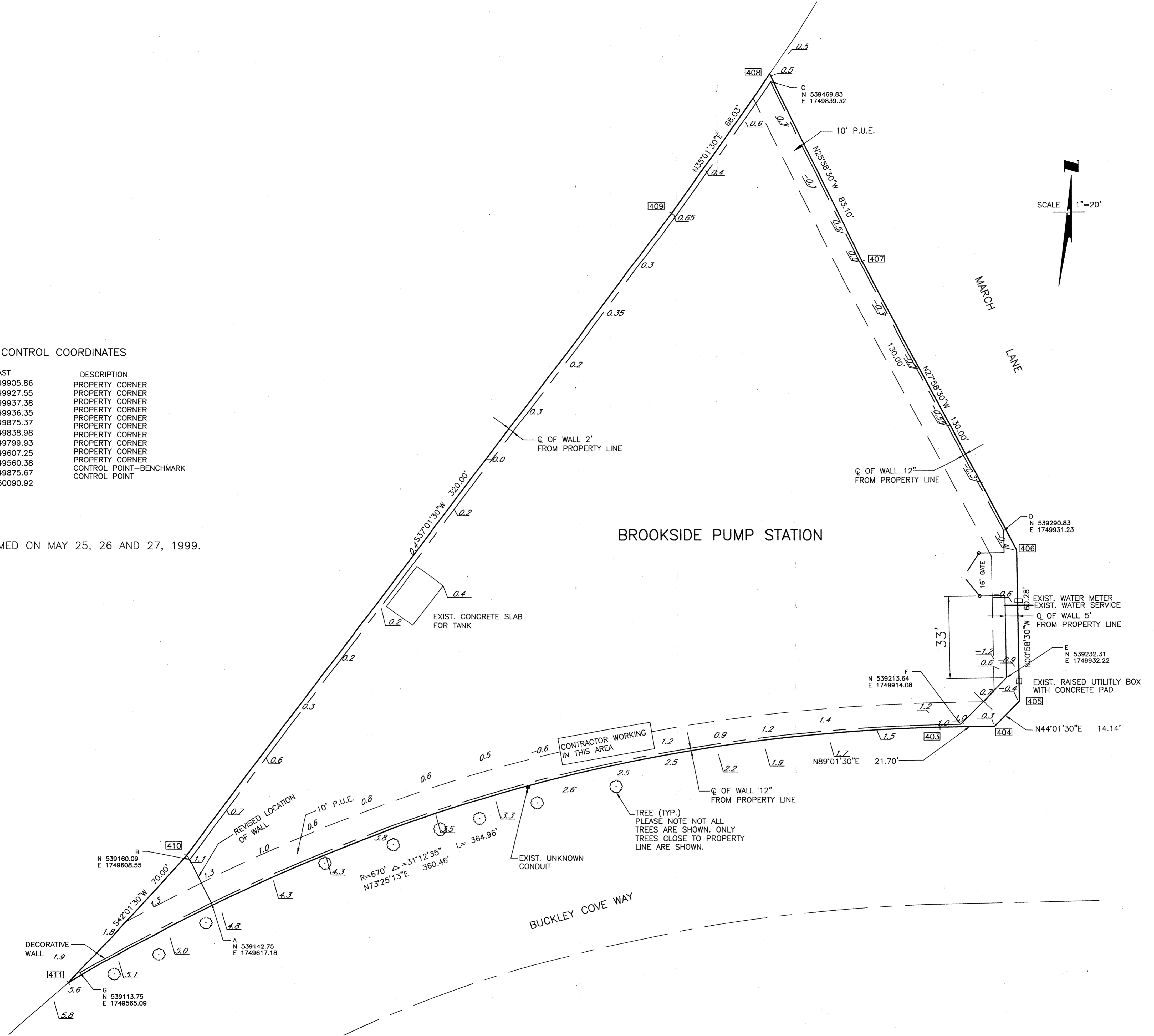
4006.57Ca



PROPERTY CORNER & CONTROL COORDINATES

Point ID	NORTH	EAST	DESCRIPTION
403	539212.50	1749905.86	PROPERTY CORNER
404	539212.87	1749927.55	PROPERTY CORNER
405	539223.03	1749937.38	PROPERTY CORNER
406	539283.30	1749936.35	PROPERTY CORNER
407	539398.11	1749875.37	PROPERTY CORNER
408	539472.82	1749838.98	PROPERTY CORNER
409	539417.11	1749799.93	PROPERTY CORNER
410	539161.64	1749607.25	PROPERTY CORNER
411	539109.64	1749560.38	PROPERTY CORNER
12N-1	540495.12	1749875.67	CONTROL POINT - BENCHMARK
12N-2	544044.06	1750090.92	CONTROL POINT

THIS SURVEY WAS PERFORMED ON MAY 25, 26 AND 27, 1999.



RECORD DRAWING

THIS DRAWING IS A REPRODUCTION OF THE ORIGINAL DRAWING AND IS NOT TO BE USED AS A BASIS FOR ANY OTHER DRAWING.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

BROOKSIDE PUMP STATION SITE PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: DATE:	DRAWING NO. BPSB-1AR
DESIGNED: BEH	CITY ENGINEER STOCKTON, CALIF.	SHEET NO. 58A OF 100
DRAWN: RG		JOB NO. 3385F.20
CHECKED: BEH		
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION

DISCIPLINE ENGINEER

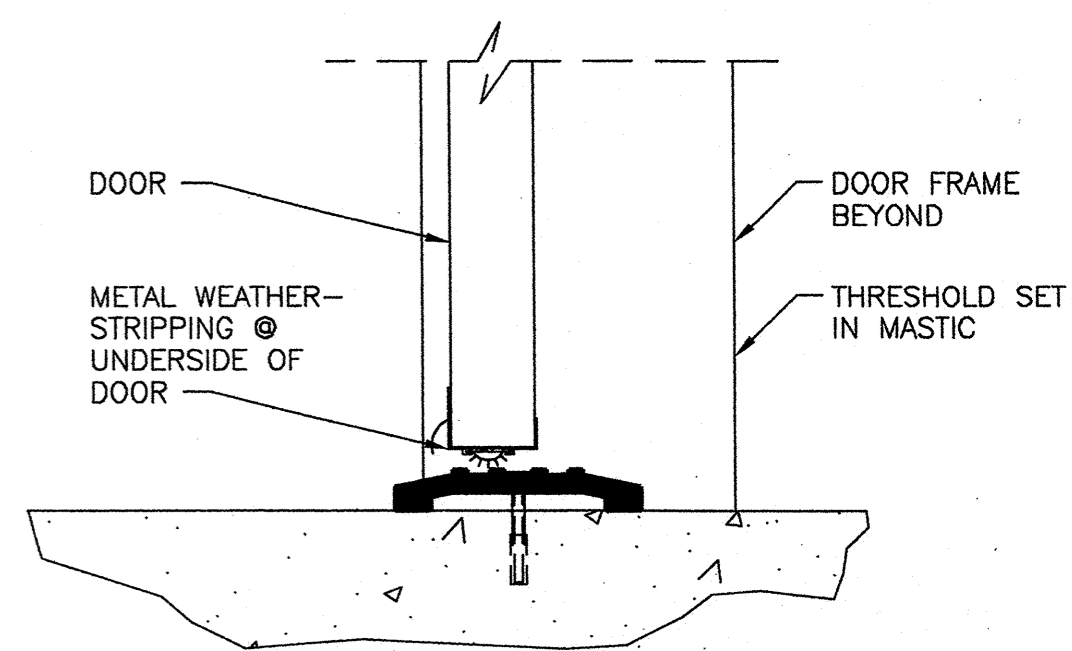
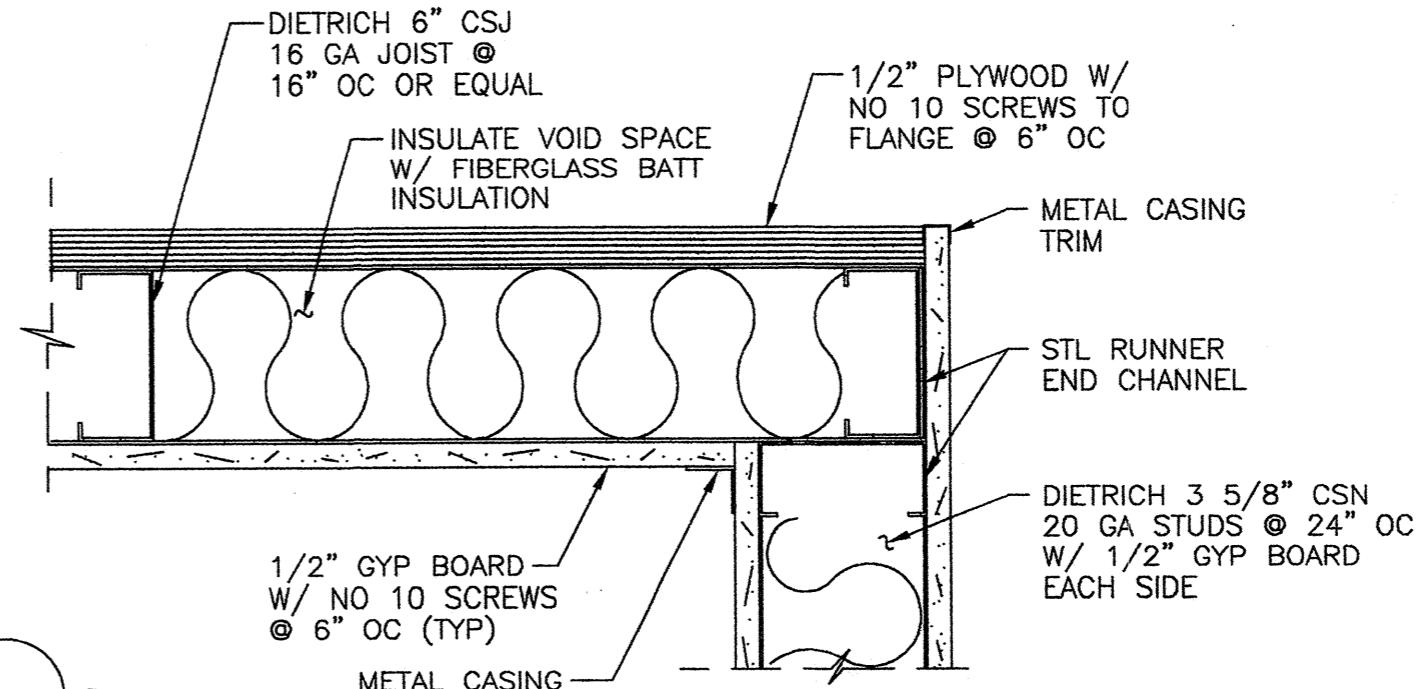
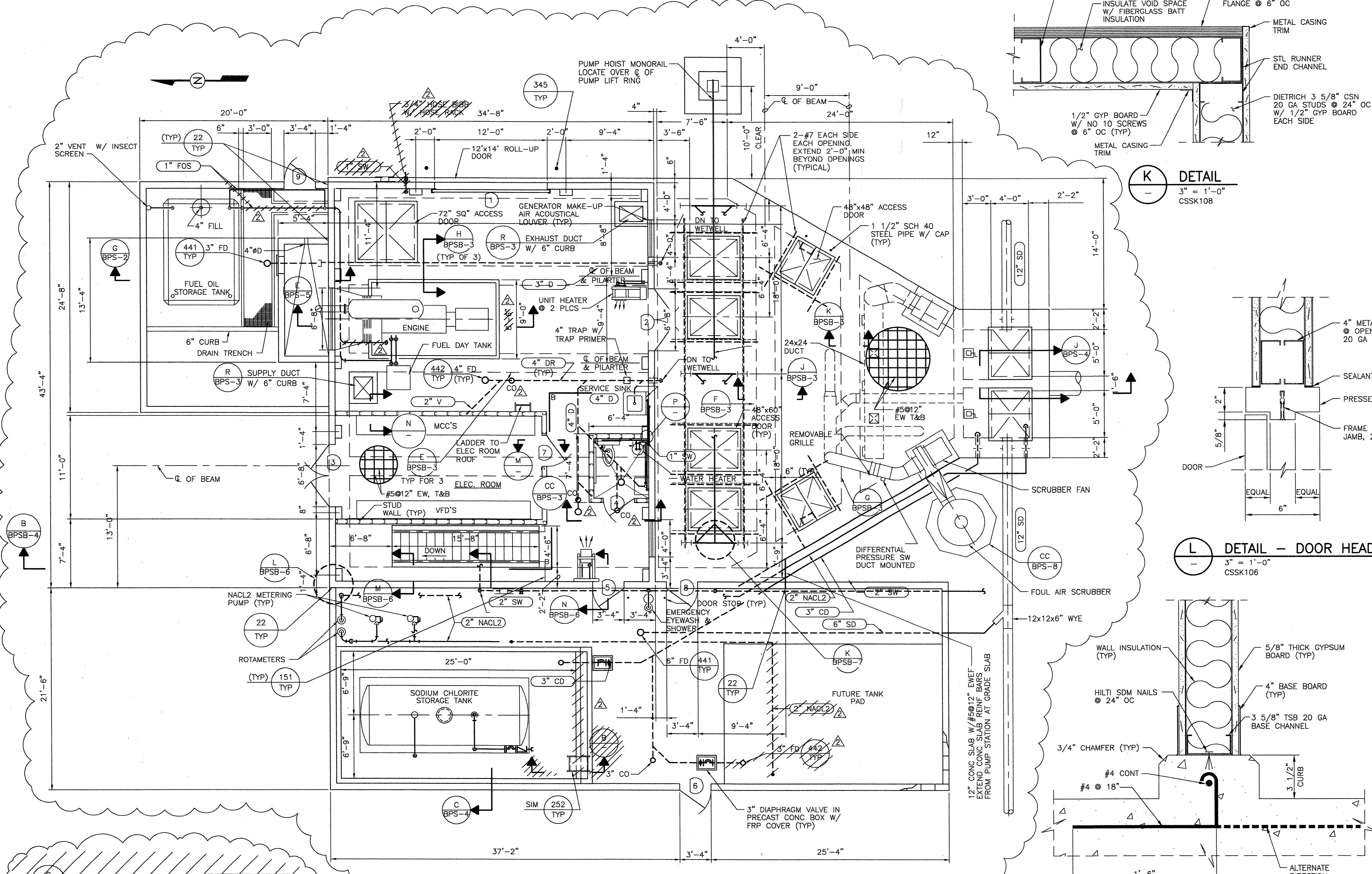
PROJECT ENGINEER

PARTNER

**REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS**

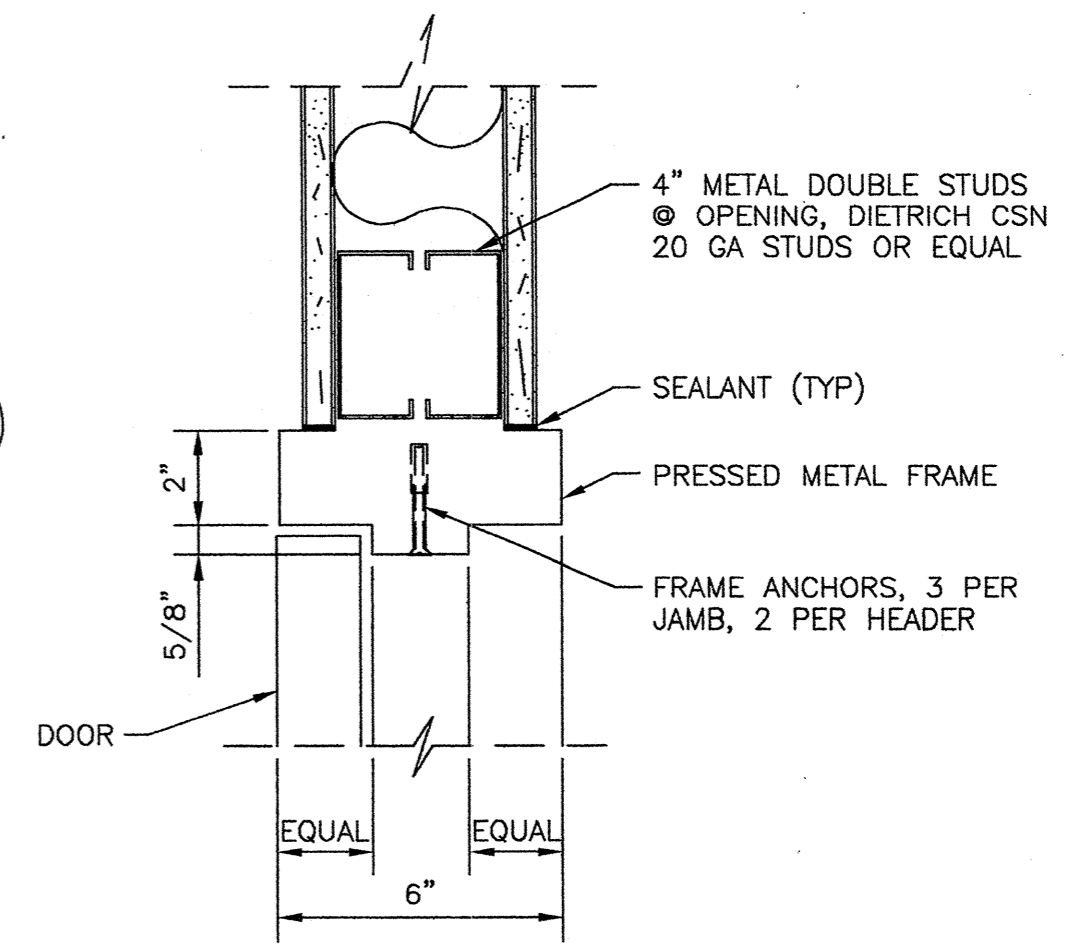


NOTE:
PILASTERS WERE SHOWN ON CONTRACT
DRAWING BPSB-6 AND ADDED TO BPSB-2A

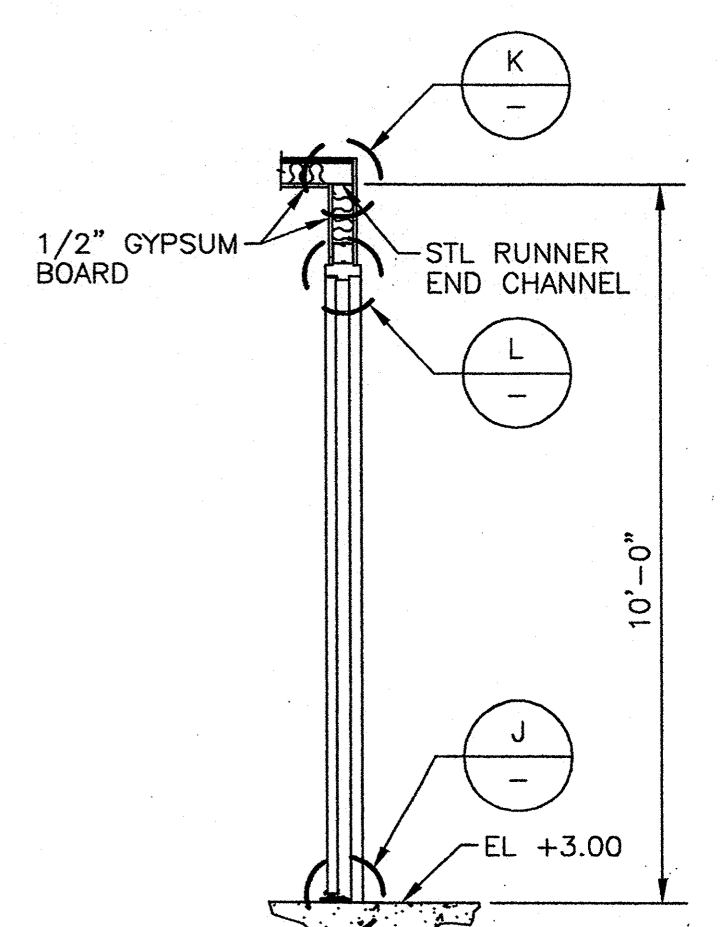


K DETAIL
3" = 1'-0"
CSSK108

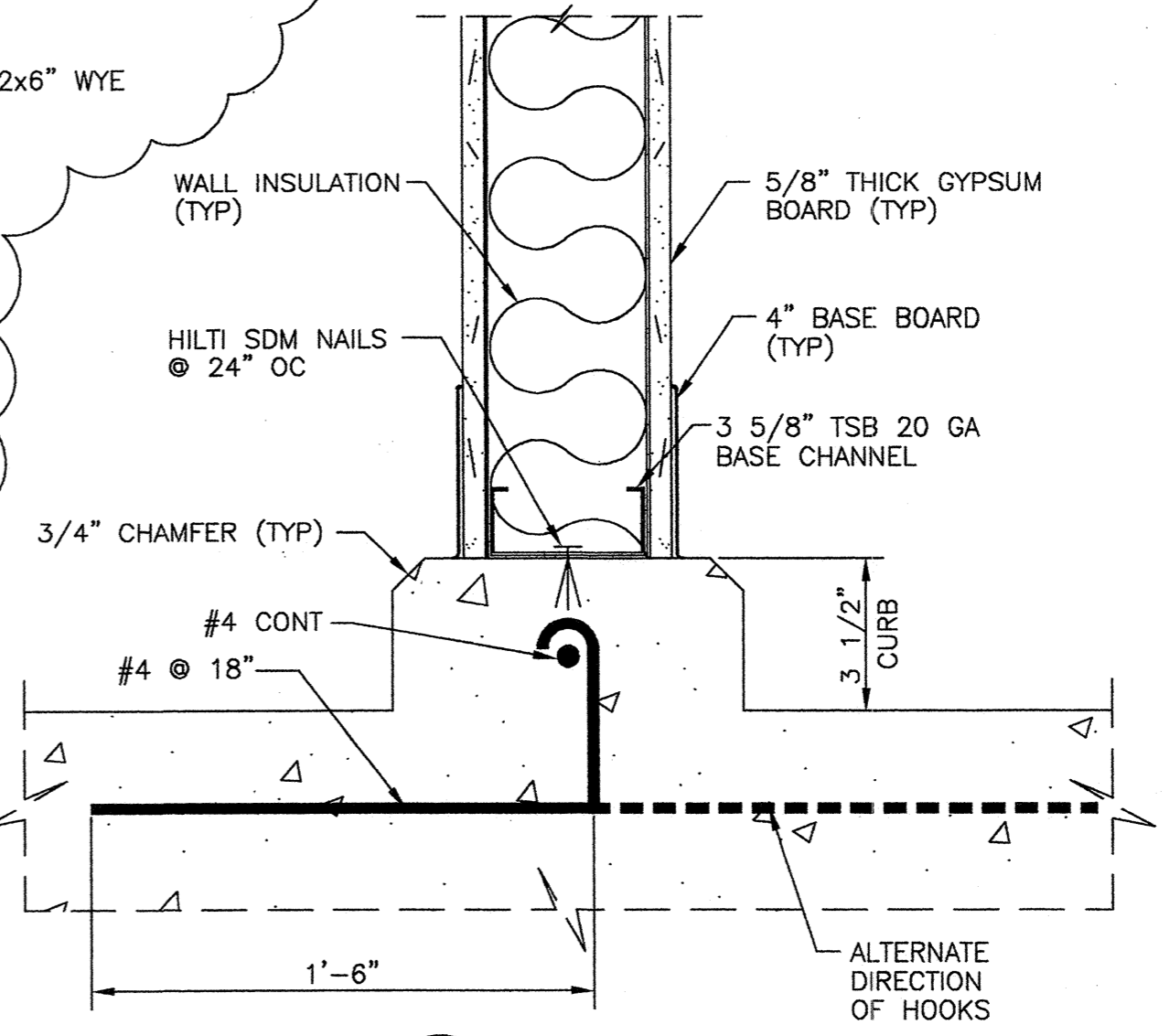
J DETAIL
3" = 1'-0"
CSSK109



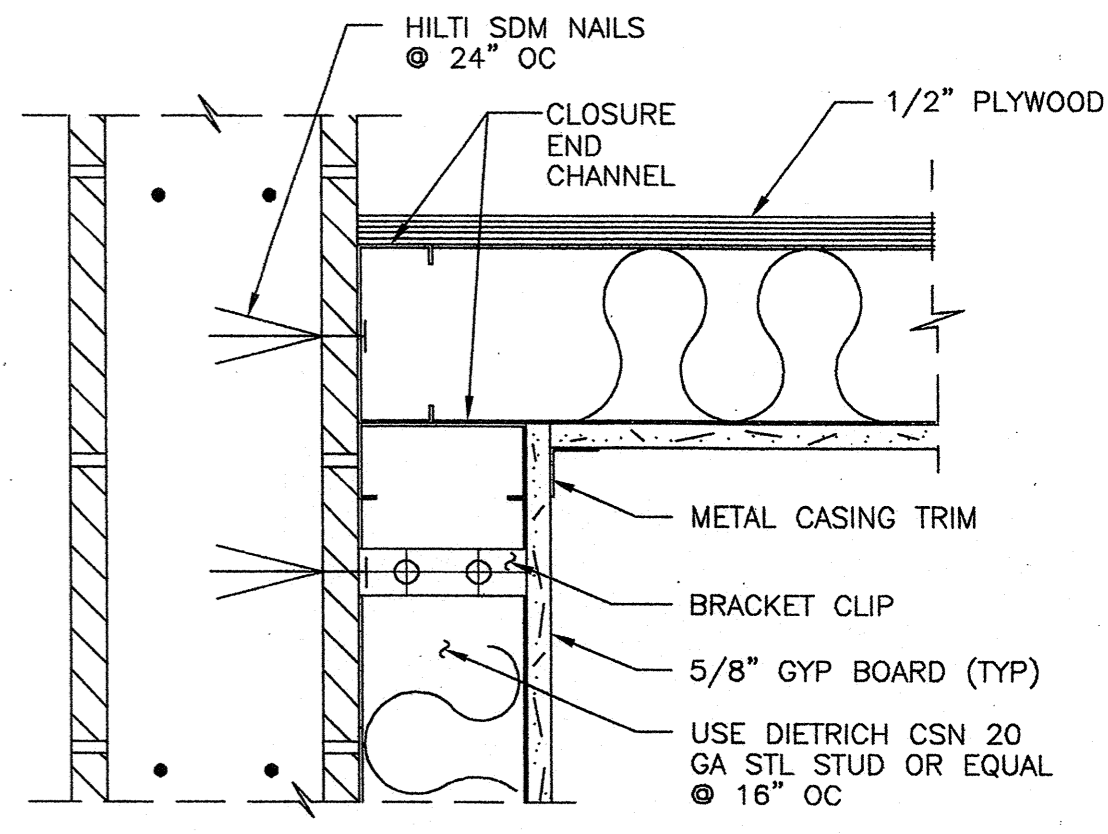
L DETAIL - DOOR HEADER
3" = 1'-0"
CSSK106



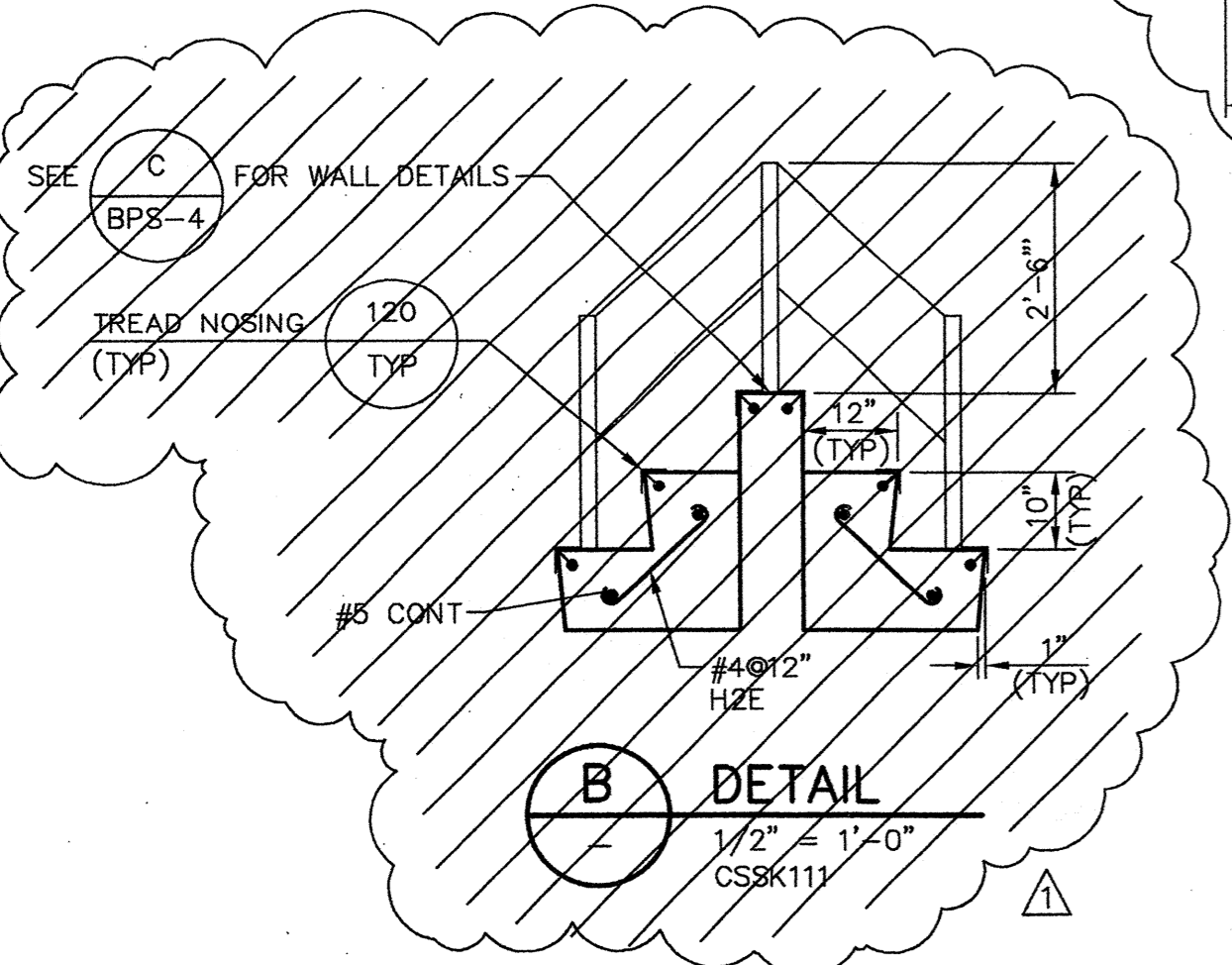
M SECTION
3/8" = 1'-0"
CSSK105



N SECTION
3" = 1'-0"
CSSK107



P DETAIL
3" = 1'-0"
CSSK110



B DETAIL
1/2" = 1'-0"
CSSK111

A PLAN AT GRADE
3/16" = 1'-0"
CMSK100

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED
IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS			
BROOKSIDE PUMP STATION			
MAIN FLOOR PLAN AND DETAILS			
DEPARTMENT OF PUBLIC WORKS			
CITY OF STOCKTON, CALIFORNIA			
SCALE: DESIGNED: DRAWN: CHECKED: AS BUILT BY:	AS NOTED PDF BWE JLW PC	APPROVED BY: DATE: CITY ENGINEER STOCKTON, CALIF.	DRAWING NO. BPSB-2R SHEET NO. 59 OF 100 JOB NO. 3385D.10

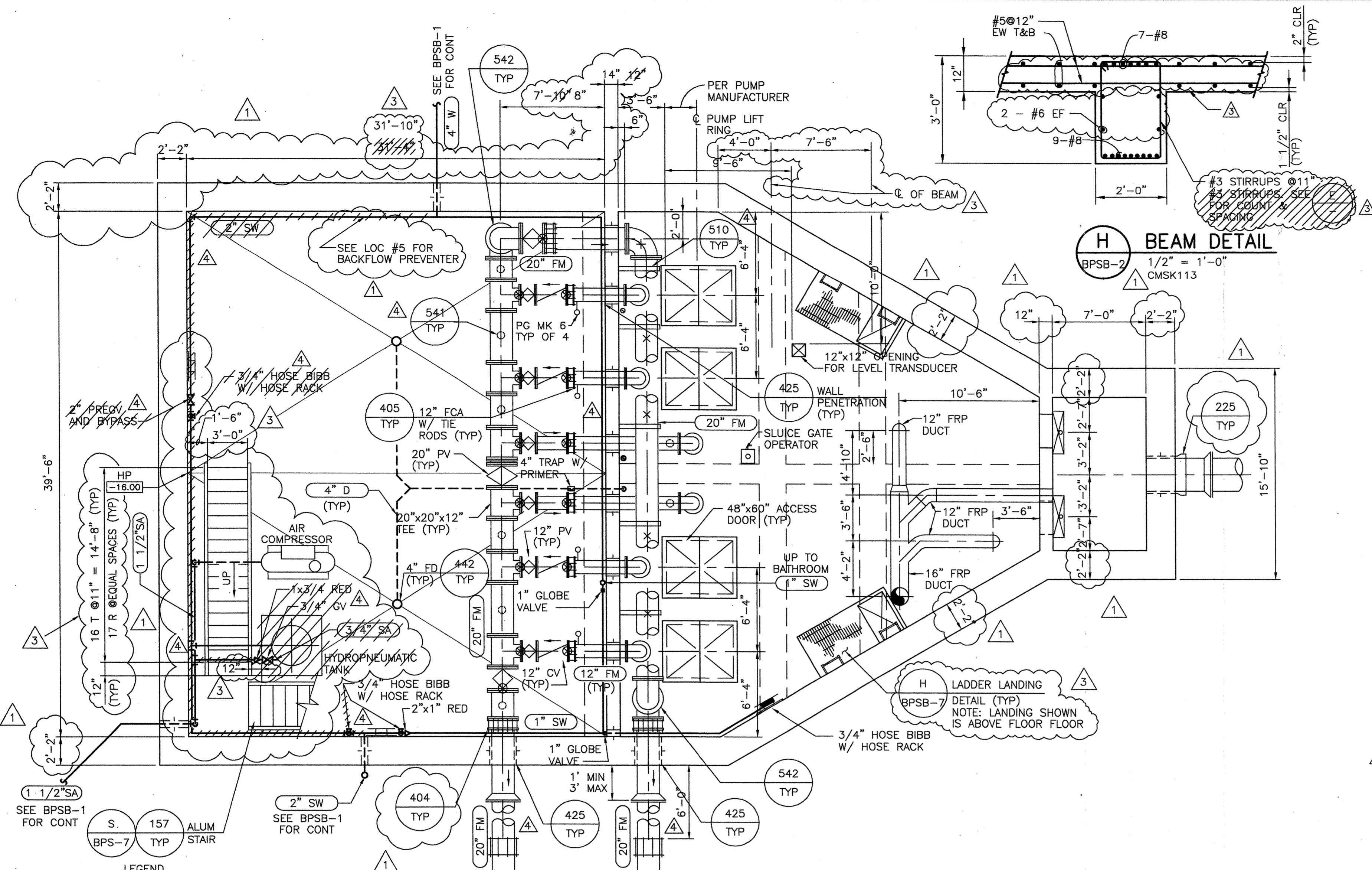
REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING
9/15/98	PDF		CLARIFICATIONS

REVISOR FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS

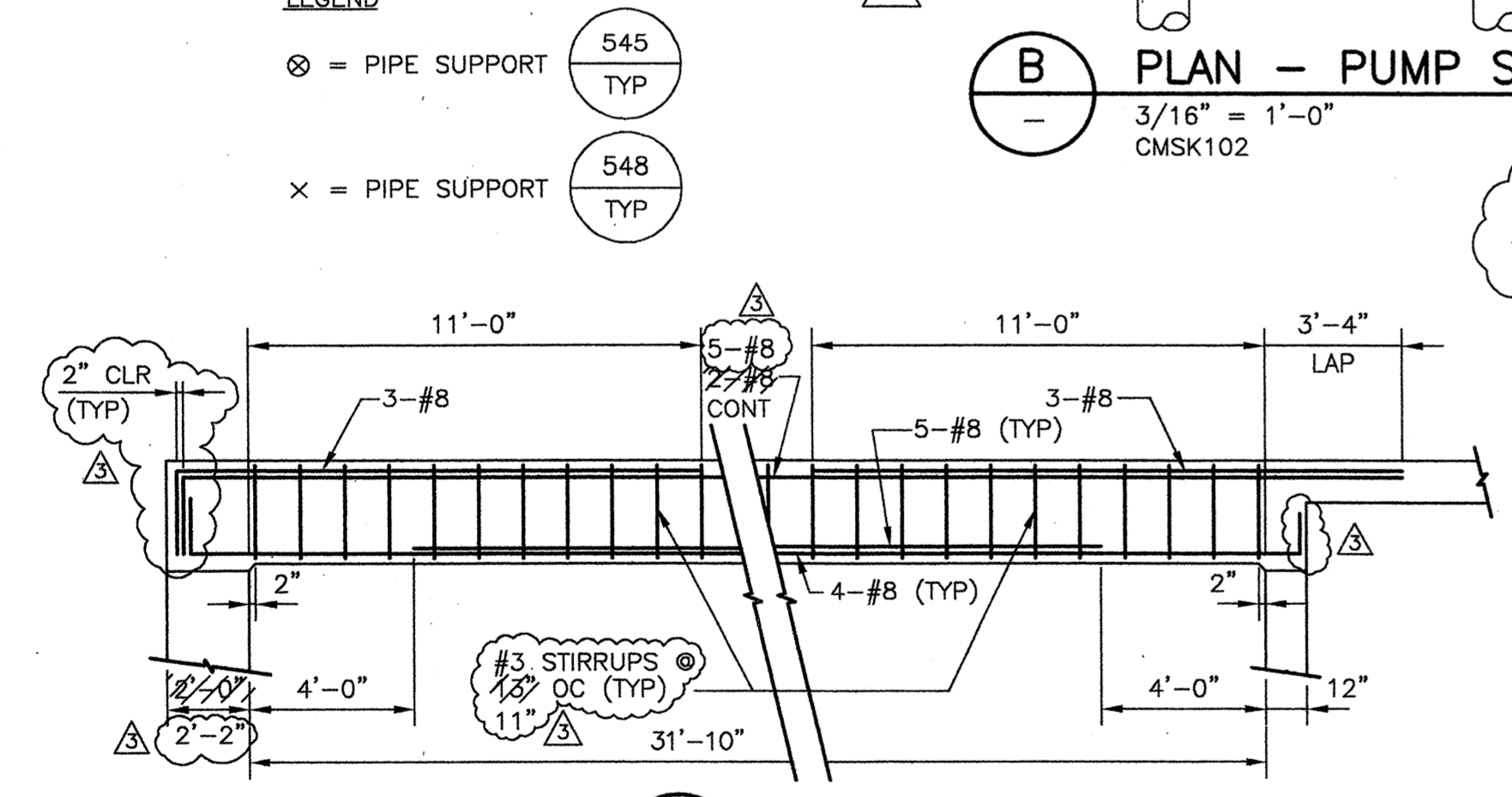


DMC LAST EDITED BY: JERRI USER LOGIN TIME: MAY 16, 1997 8:55 AM DMC LAST EDITED ON: 05/16/97 13:48:07 DMC NAME: H:\STOCKTON\3385D\10\CHKR202A.DWG
 XREFS: CMSK100 | CSSK108 | CSSK109 | CSSK105 | CSSK107 | CSSK110 | pdf | cpl | CSSK111 | WAB | BEH |

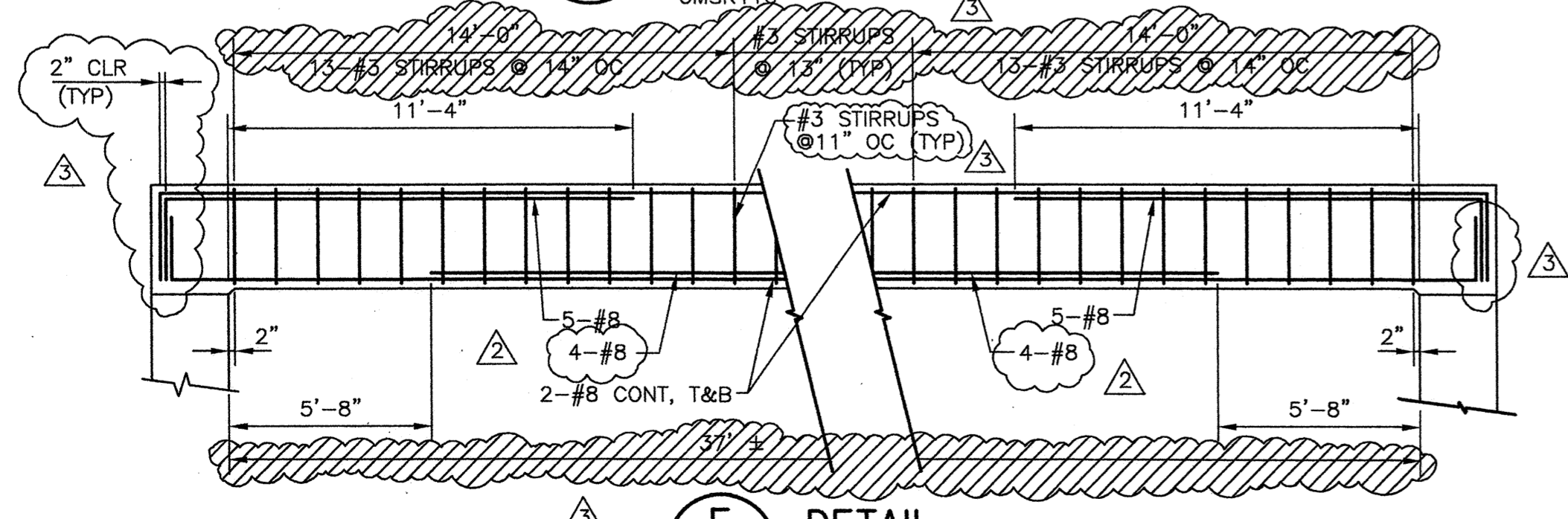
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 DWG NAME: WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS (C) CAROLLO ENGINEERS
 PROJECT NUMBER: 3385D.10 SHEET NO. 3R
 PROJECT LOCATION: STOCKTON, CALIF.



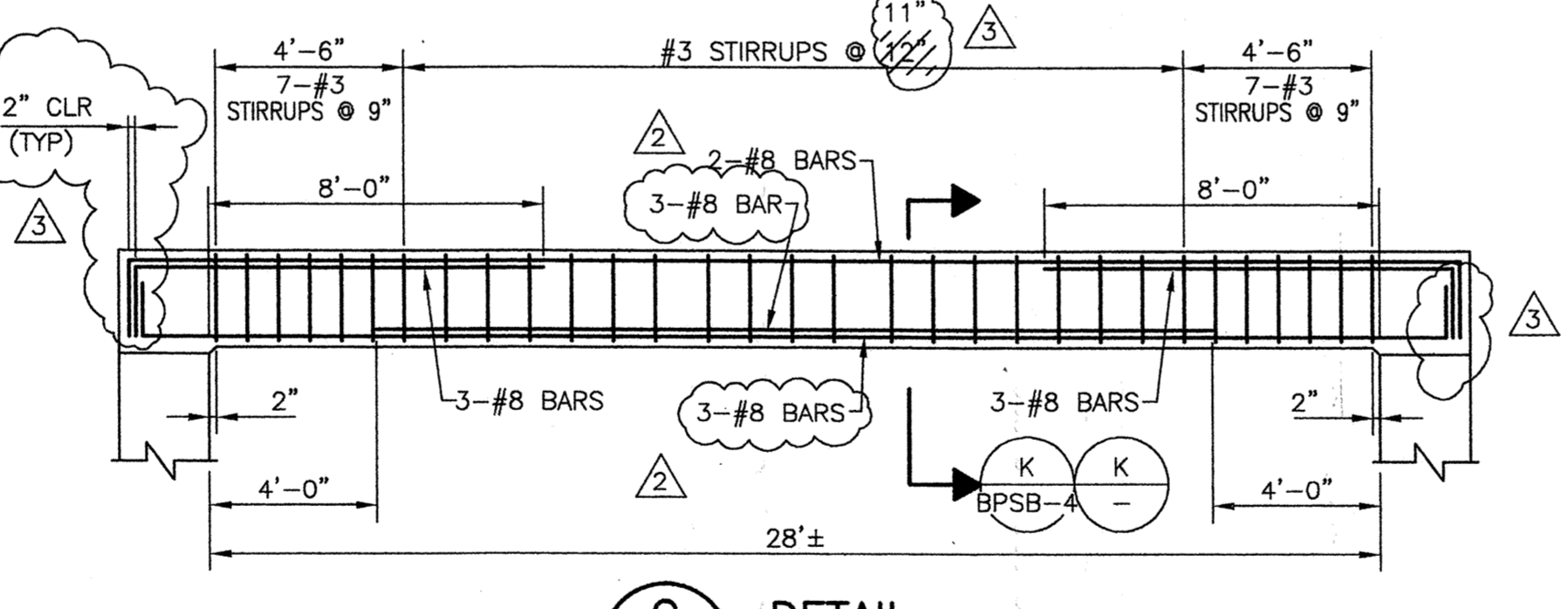
B PLAN - PUMP STATION AT EL -16.00
 3/16" = 1'-0"
 CMSK102



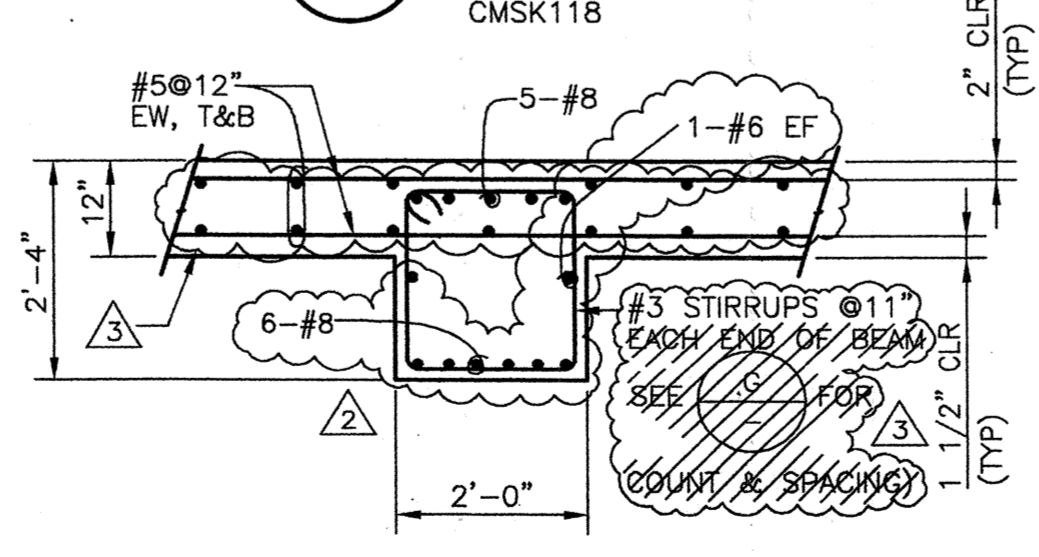
E DETAIL
 BPSB-2 1/4" = 1'-0"
 CMSK116



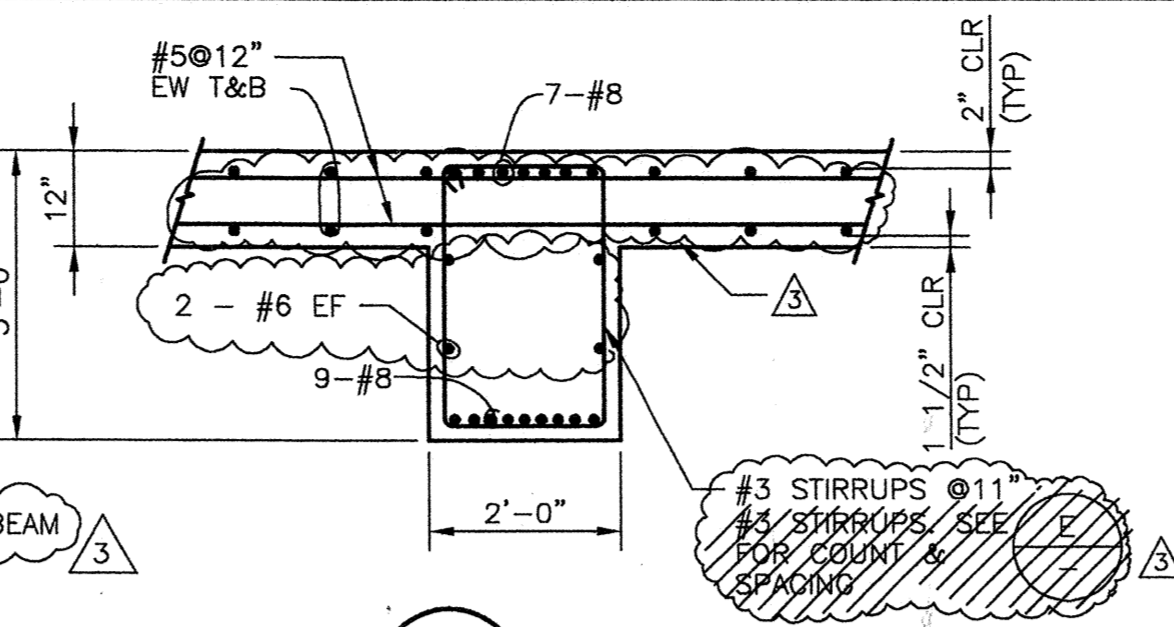
F DETAIL
 BPSB-2 1/4" = 1'-0"
 CMSK117



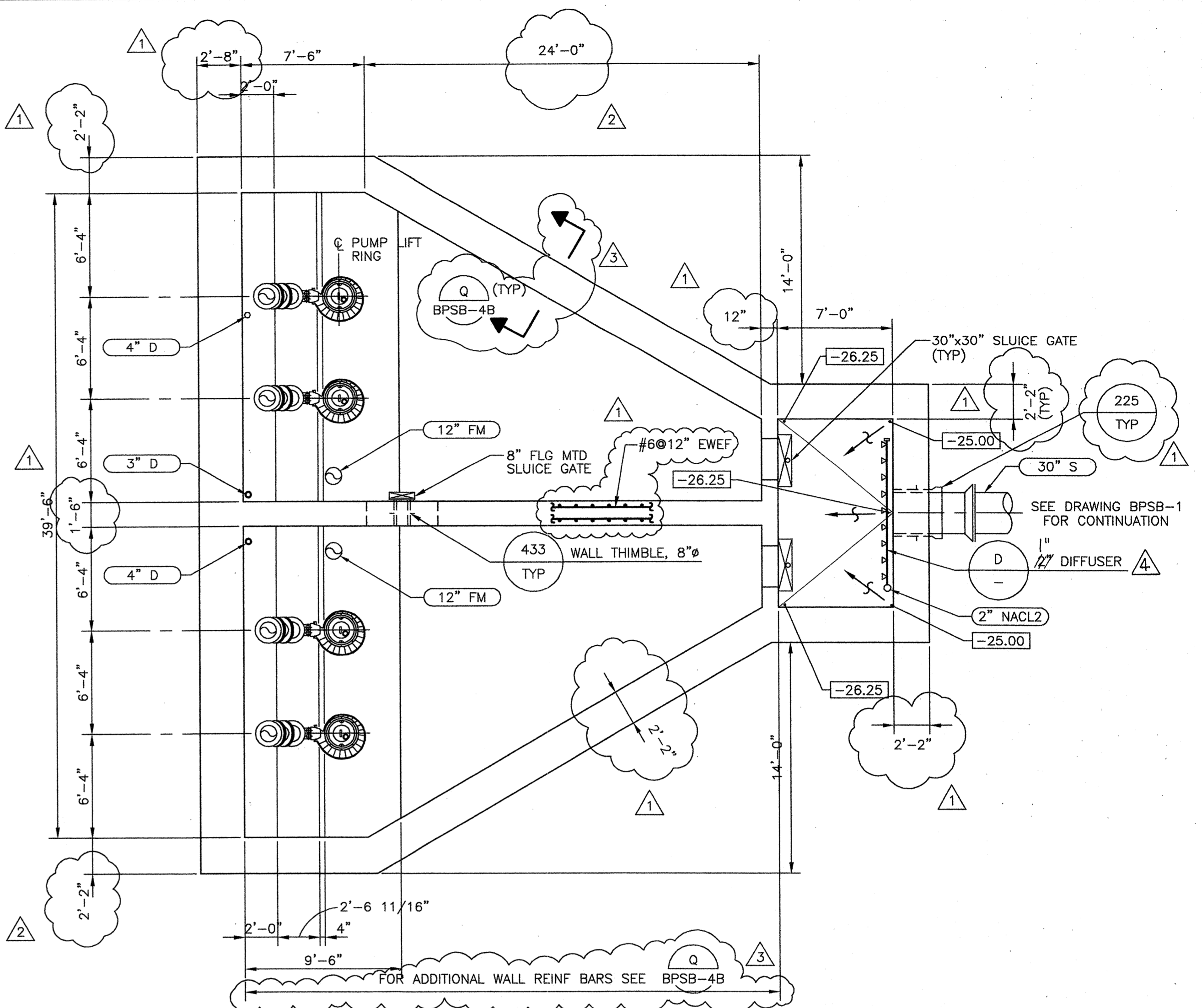
G DETAIL
 BPSB-2 1/4" = 1'-0"
 CMSK118



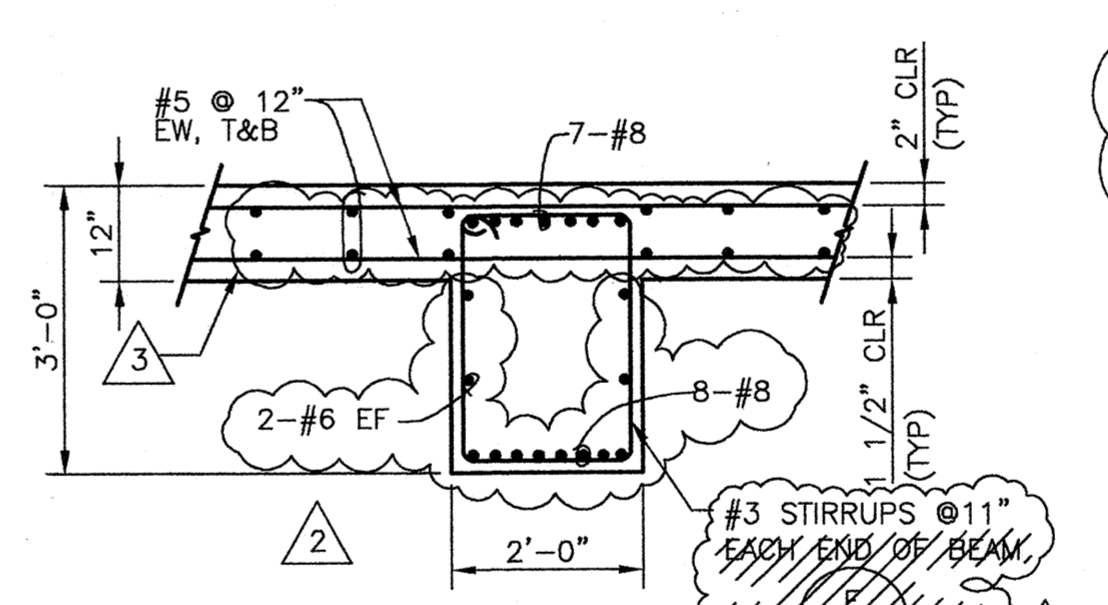
K K K DETAIL
 BPSB-2 BPSB-4 1/2" = 1'-0"
 CMSK115



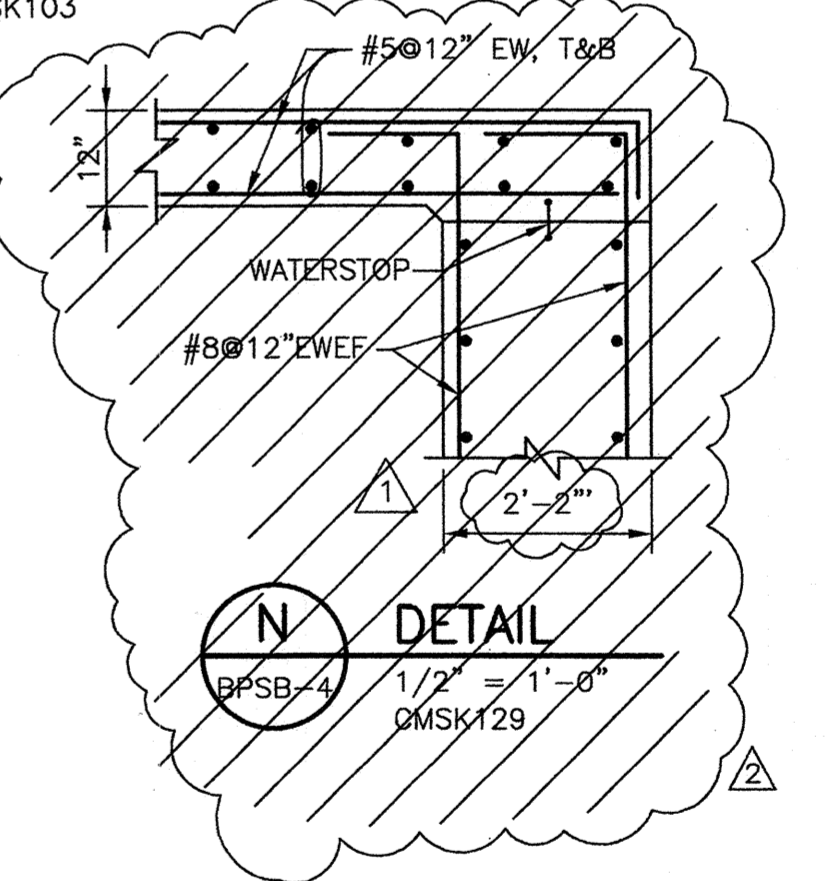
H BEAM DETAIL
 BPSB-2 1/2" = 1'-0"
 CMSK113



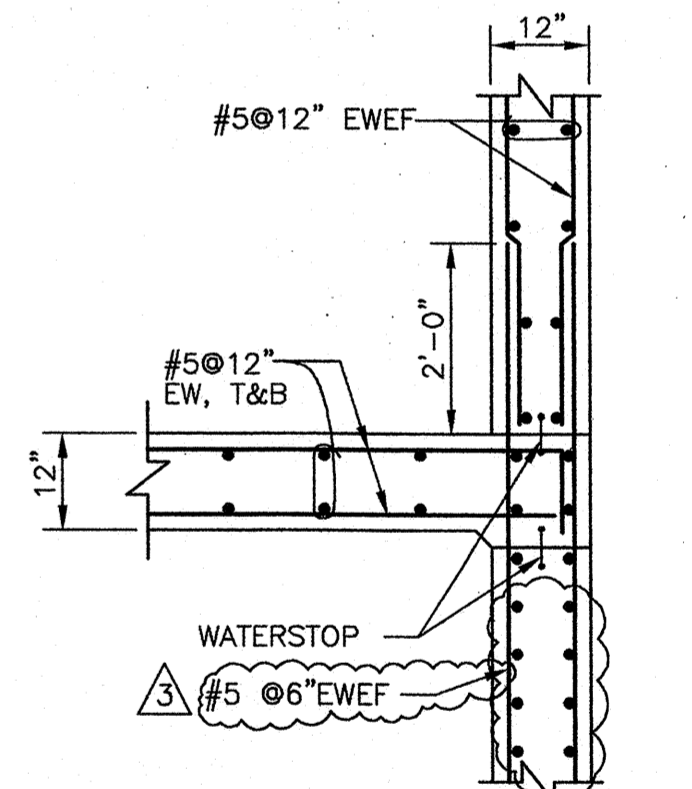
C PLAN - SUMP AT EL -33.67
 3/16" = 1'-0"
 CMSK103



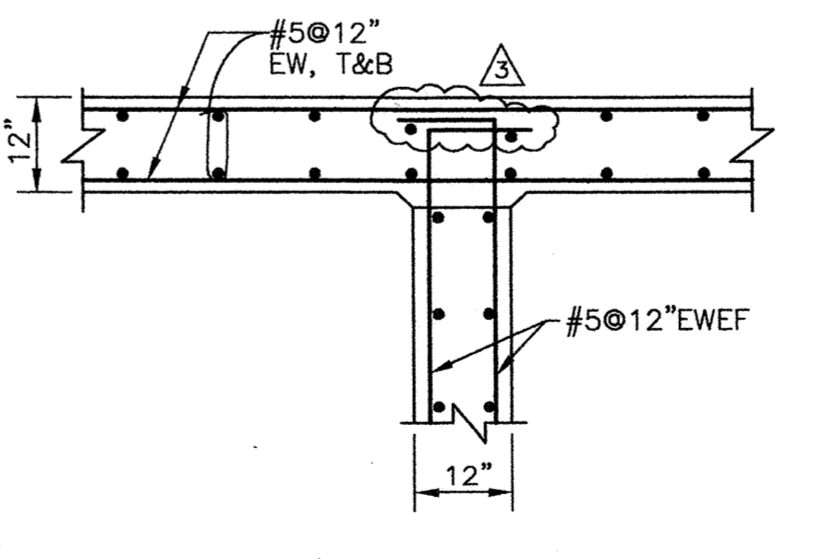
J J BEAM DETAIL
 BPSB-2 BPSB-4 1/2" = 1'-0"
 CMSK114



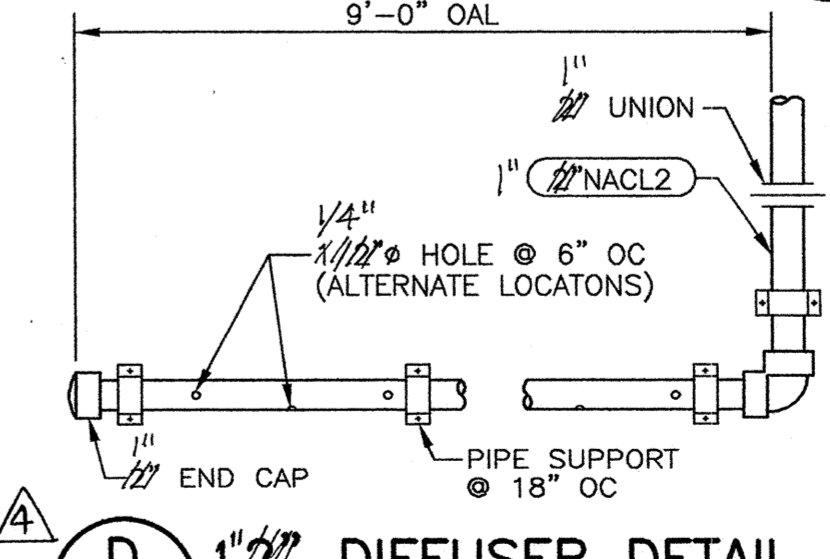
N DETAIL
 BPSB-4 1/2" = 1'-0"
 CMSK129



P DETAIL
 BPSB-4 1/2" = 1'-0"
 CMSK130



M DETAIL
 BPSB-4 1/2" = 1'-0"
 CMSK128



**D 1 1/2\"/>
 NTS LMSK144**

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING
9/15/98	PDF		CLARIFICATIONS
8/19/98	BEH		CLARIFICATIONS
	BEH		LOC #5

DISCIPLINE ENGINEER

PROJECT NUMBER

PART NUMBER

**REVISED FOR RECORD
 SEE ORIGINAL FOR SIGNED STAMPS**



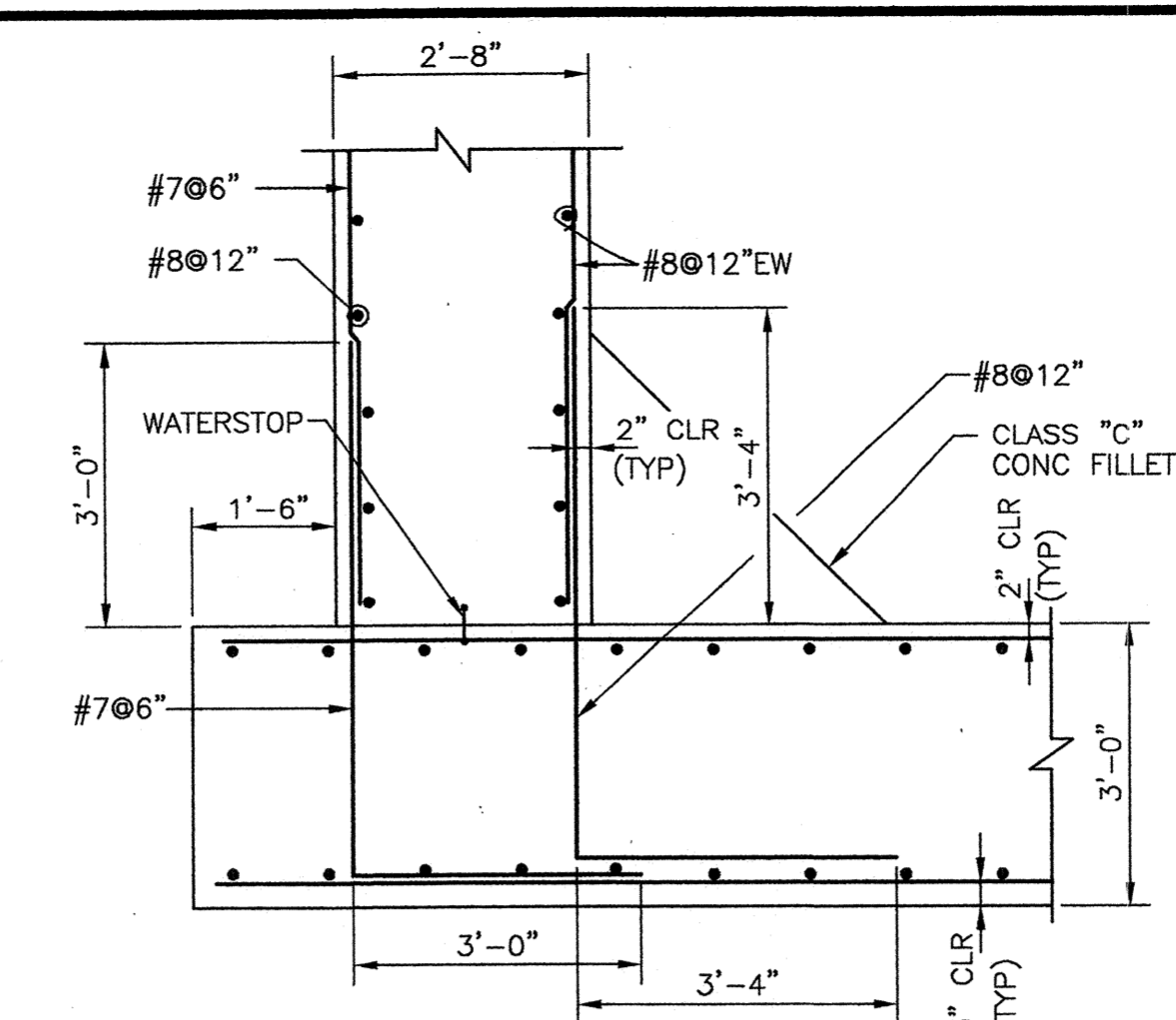
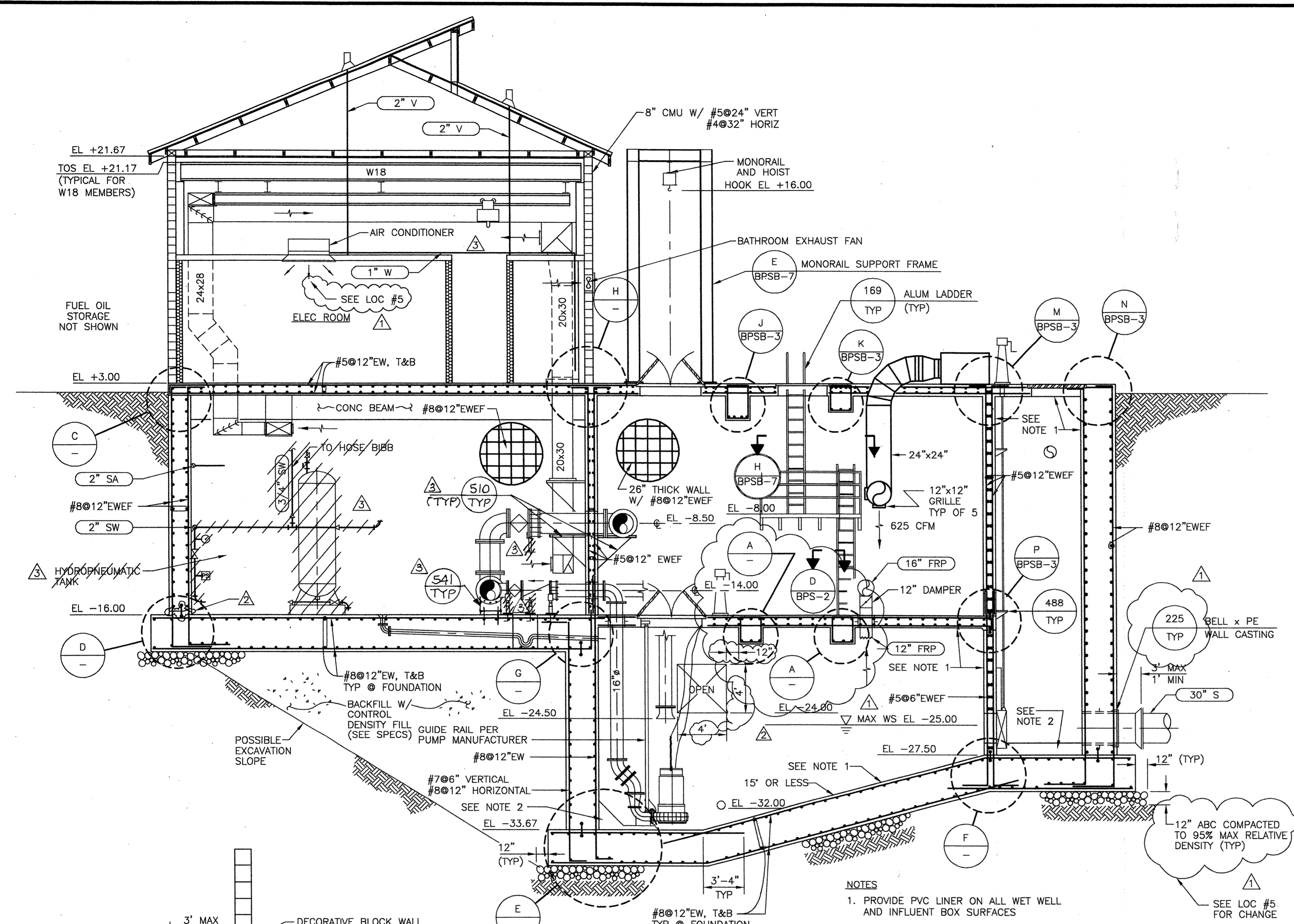
RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

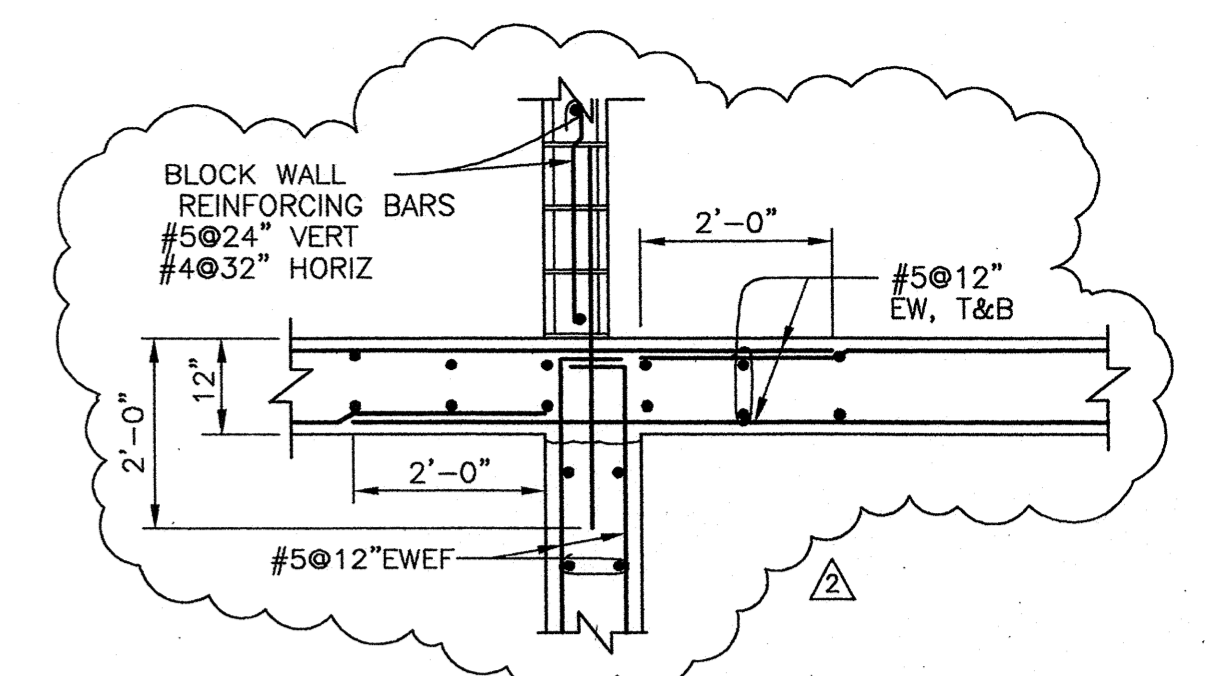
BROOKSIDE PUMP STATION FLOOR PLAN AT EL -16.00 AND -33.67

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

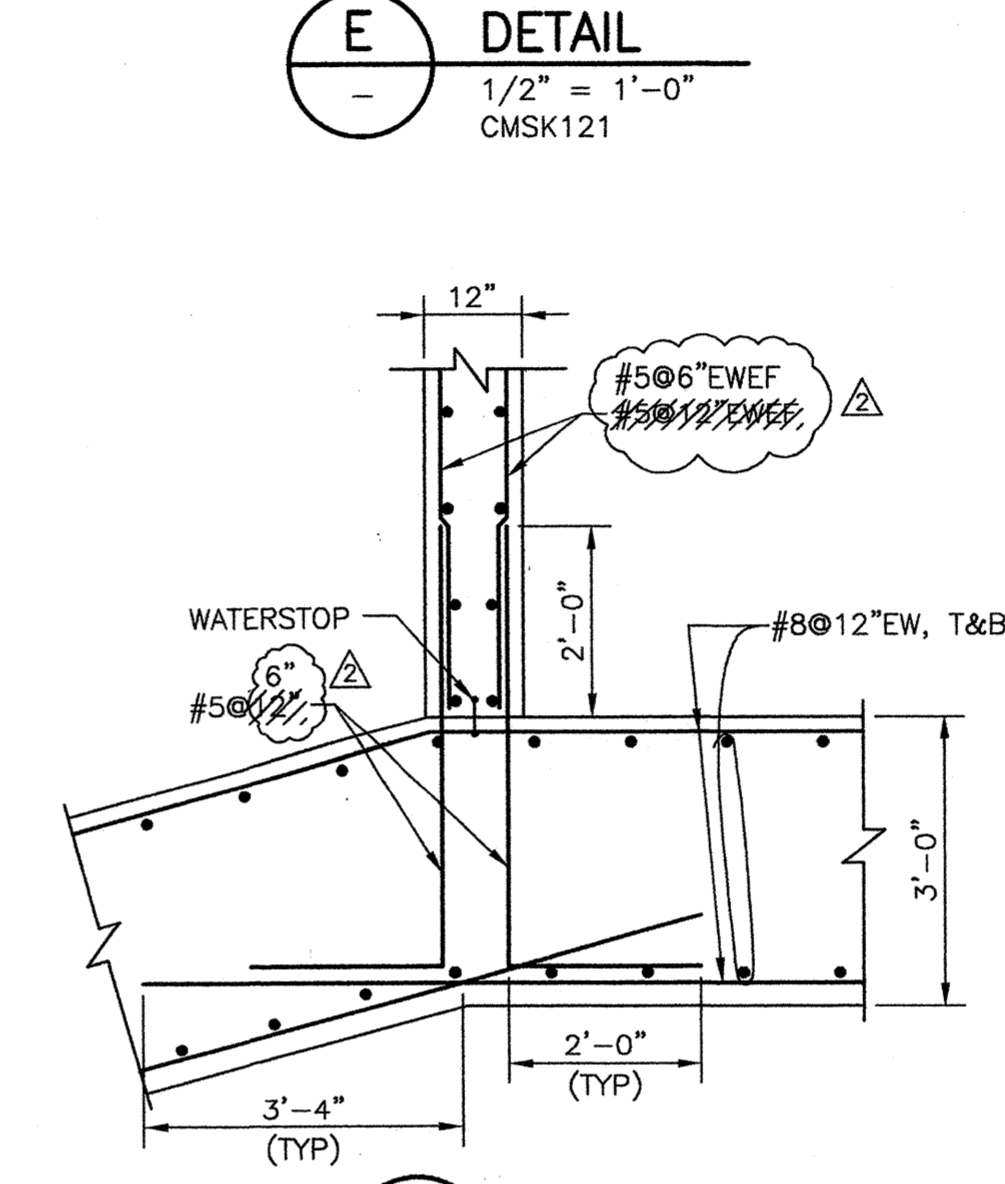
SCALE: AS NOTED	APPROVED BY: DATE:	DRAWING NO. BPSB-3R
DESIGNED: PDF		SHEET NO. 60 OF 100
DRAWN: BWE		JOB NO. 3385D.10
CHECKED: JLW	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: PG		



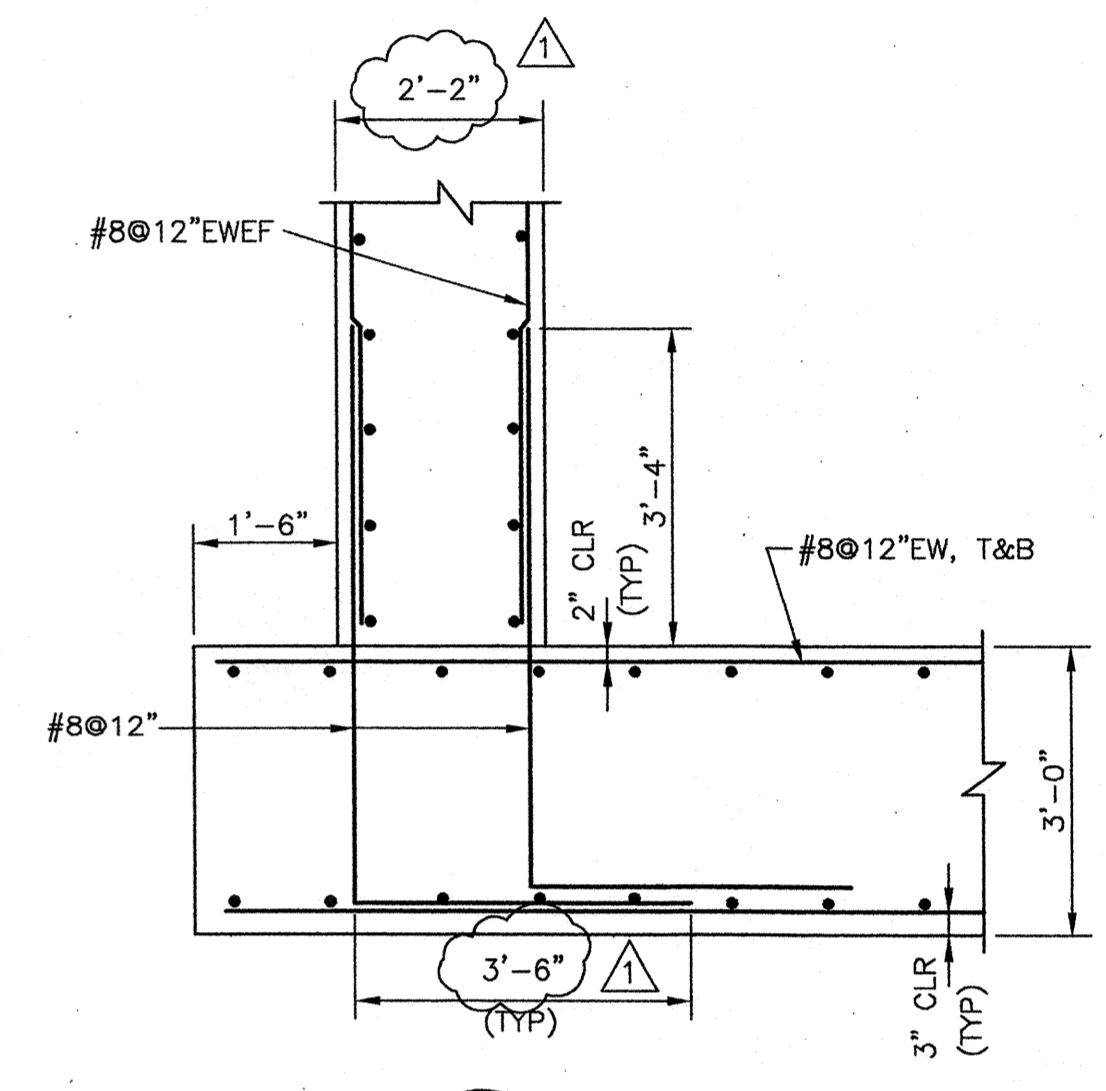
E DETAIL
1/2" = 1'-0"
CMSK121



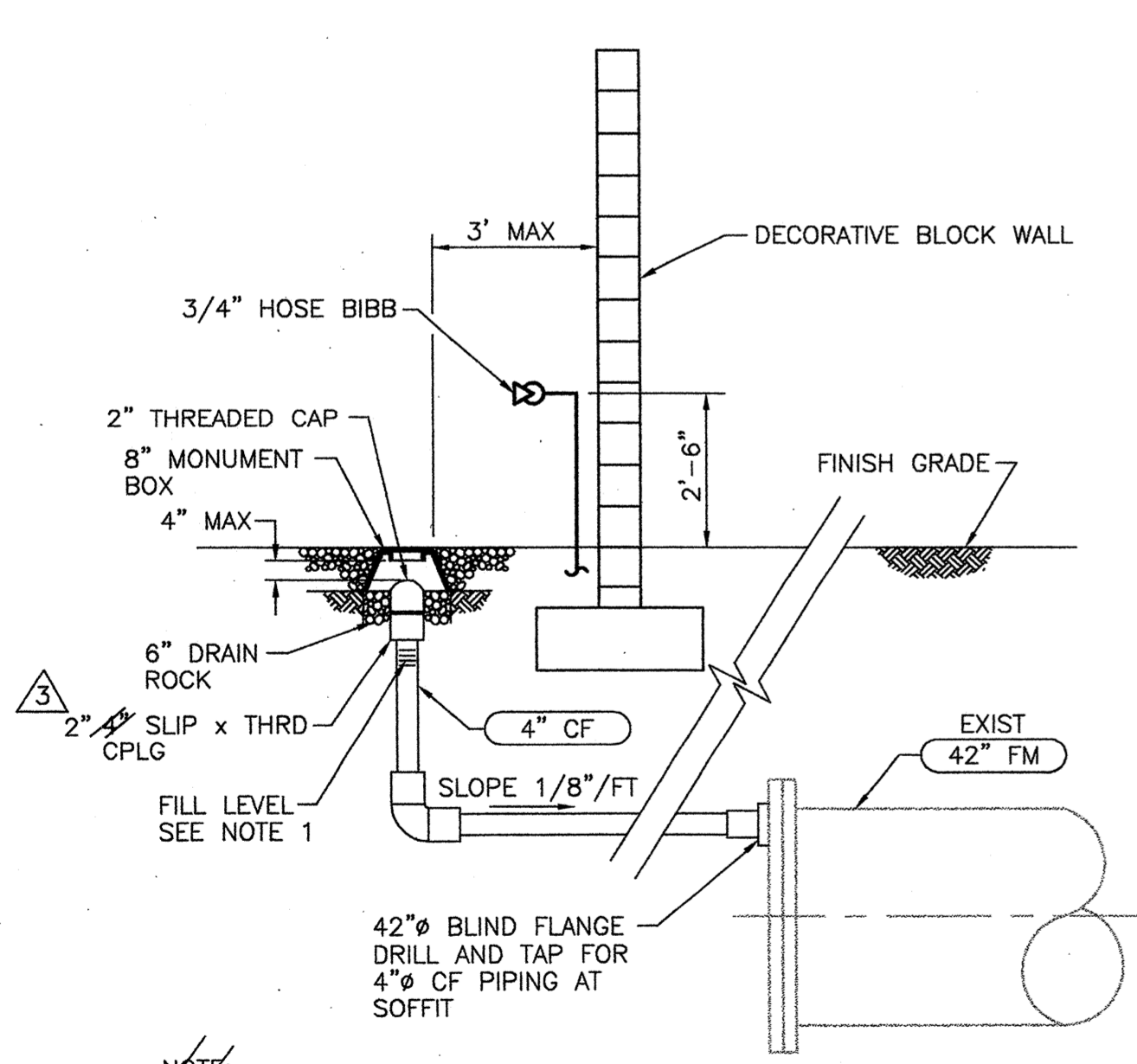
H DETAIL
1/2" = 1'-0"
CMSK124



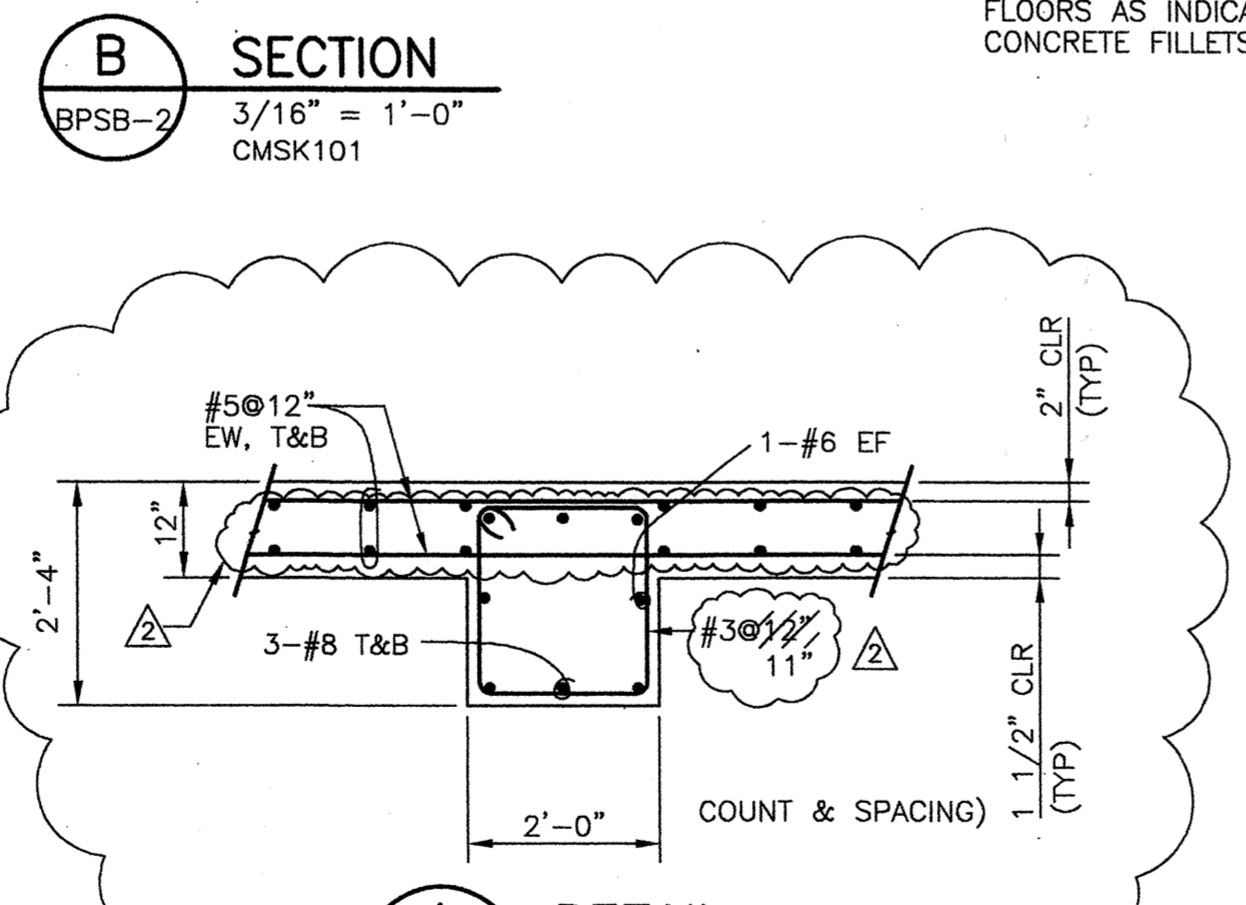
F DETAIL
1/2" = 1'-0"
CMSK122



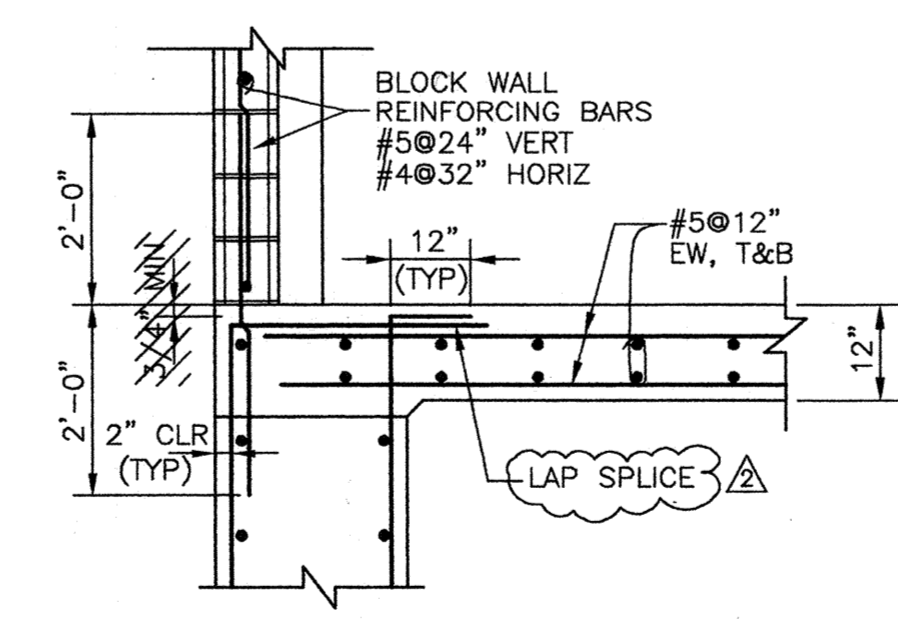
D DETAIL
1/2" = 1'-0"
CMSK120



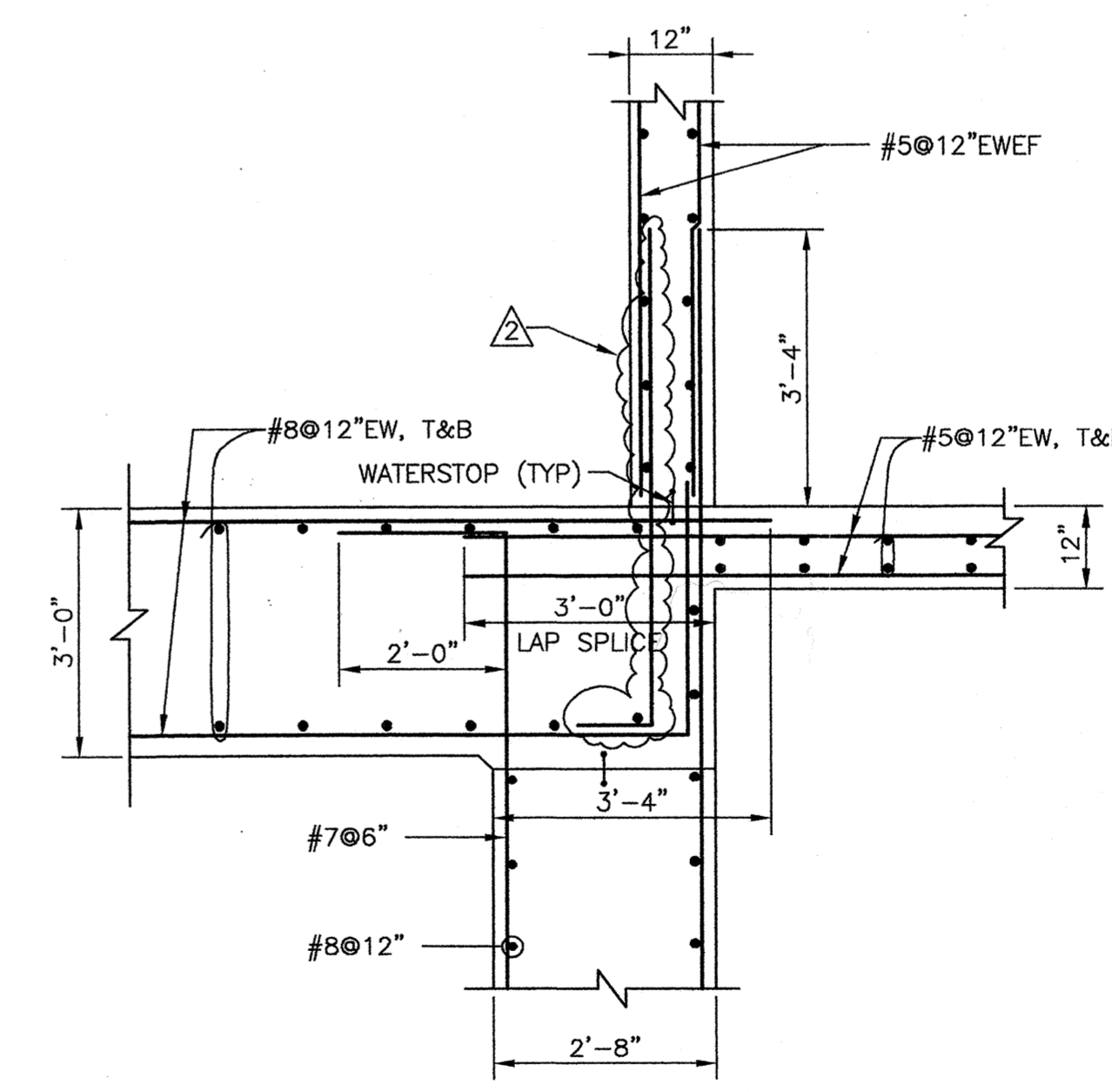
B DETAIL - CHEMICAL FEED STATION
BPSB-1
3/8" = 1'-0"
CMSK104



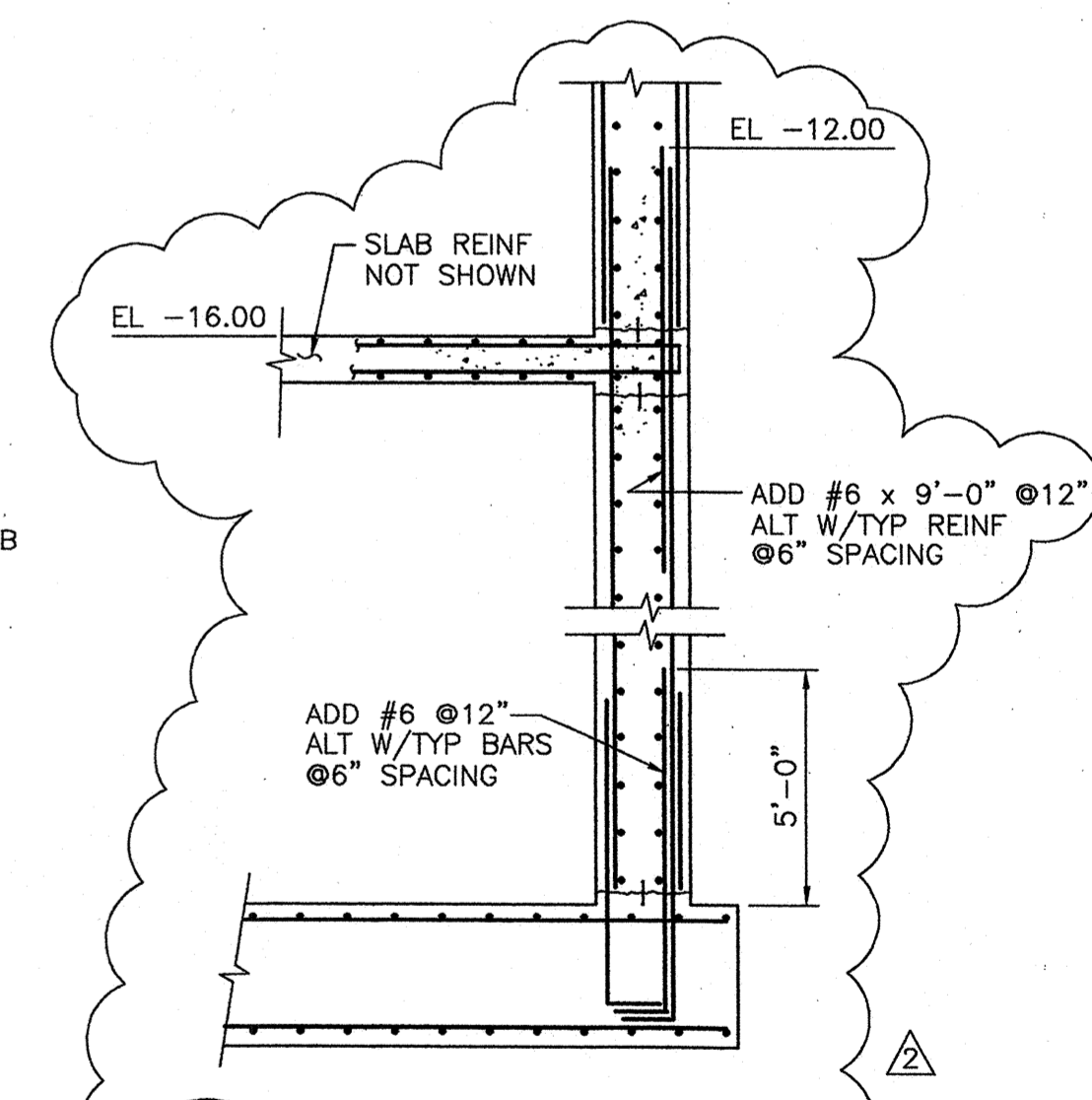
A DETAIL
1/2" = 1'-0"
CMSK144



C DETAIL
1/2" = 1'-0"
CMSK119



G DETAIL
1/2" = 1'-0"
CMSK123



Q TYP WALL SECTION
BPSB3B
1/4" = 1'-0"
FSSK100

- NOTES**
1. PROVIDE PVC LINER ON ALL WET WELL AND INFLUENT BOX SURFACES
 2. SHAPE WET WELL AND INFLUENT BOX FLOORS AS INDICATED W/ CLASS "C" CONCRETE FILLETS

NOTE:
1. FILL 42" FM WITH SOLUTION OF 5 POUNDS CAUSTIC SODA BEADS TO 100 GALLONS OF WATER. THE 42" FM TO BE FILLED IS APPROXIMATELY 890 FEET IN LENGTH.

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED PARTIALLY IN PART ON INFORMATION PROVIDED BY OTHERS

REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING
2	9/15/98	PDF	CLARIFICATIONS
3	8/19/98	BEH	CLARIFICATIONS

REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
BROOKSIDE PUMP STATION
SECTIONS AND DETAILS

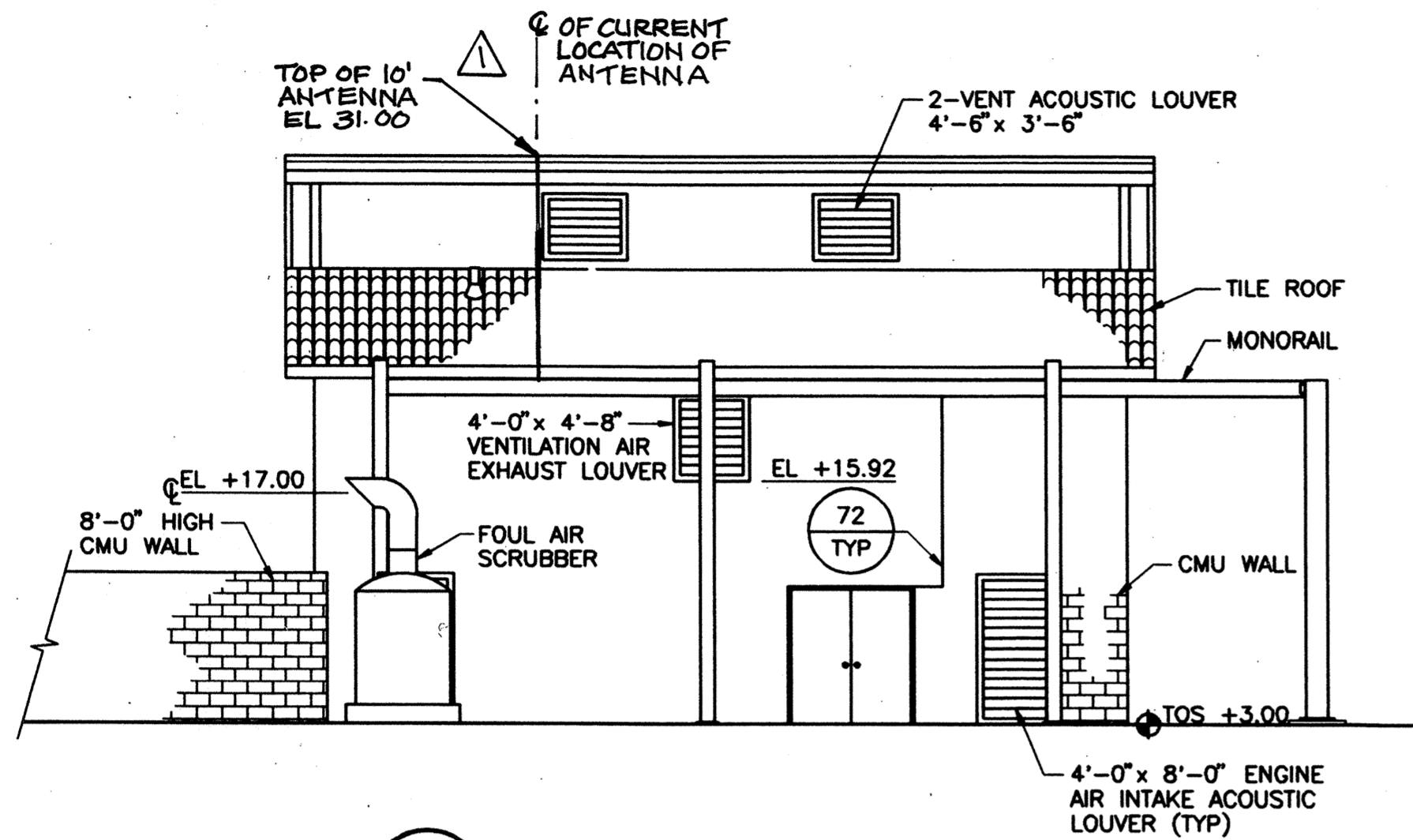
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS NOTED
DESIGNED: PDF
DRAWN: BWE
CHECKED: JLW
AS BUILT BY: PG

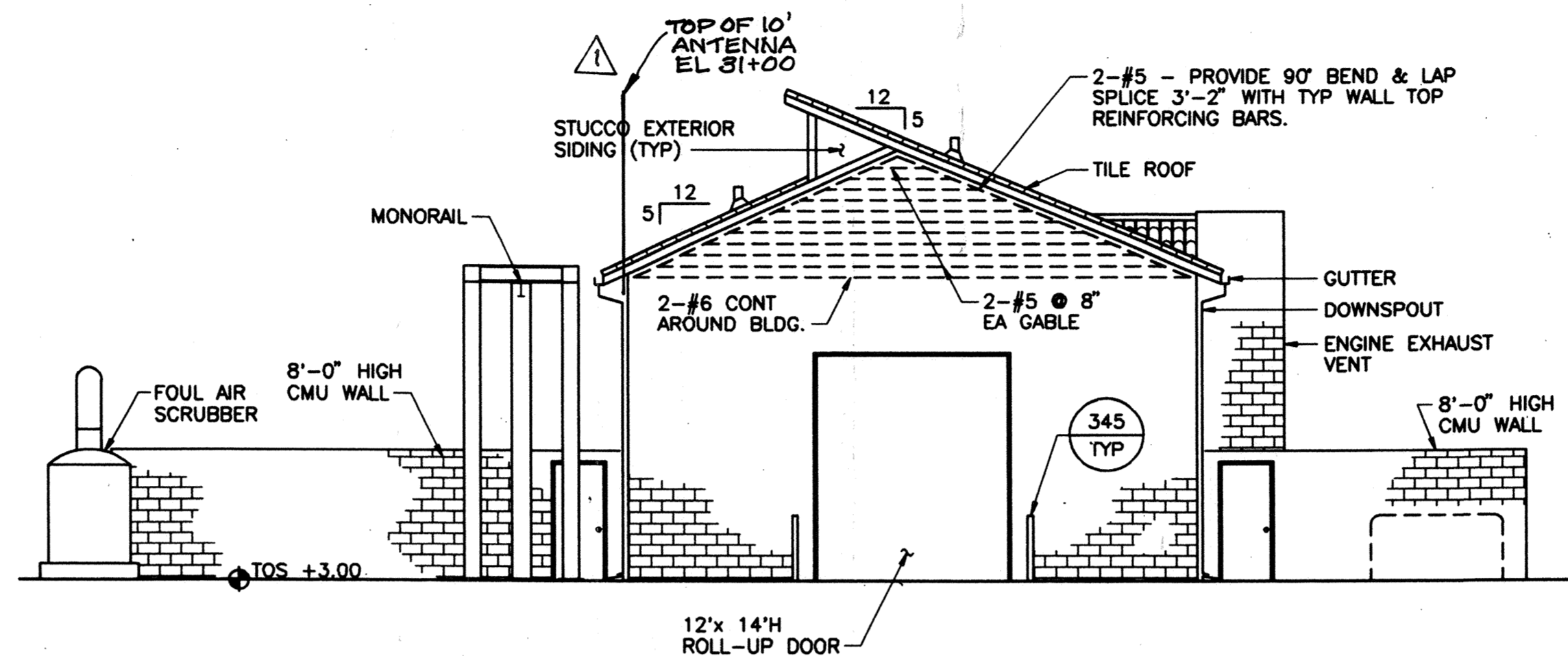
APPROVED BY: DATE: _____
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. BPSB-4R
SHEET NO. 61 OF 100
JOB NO. 3385D.10

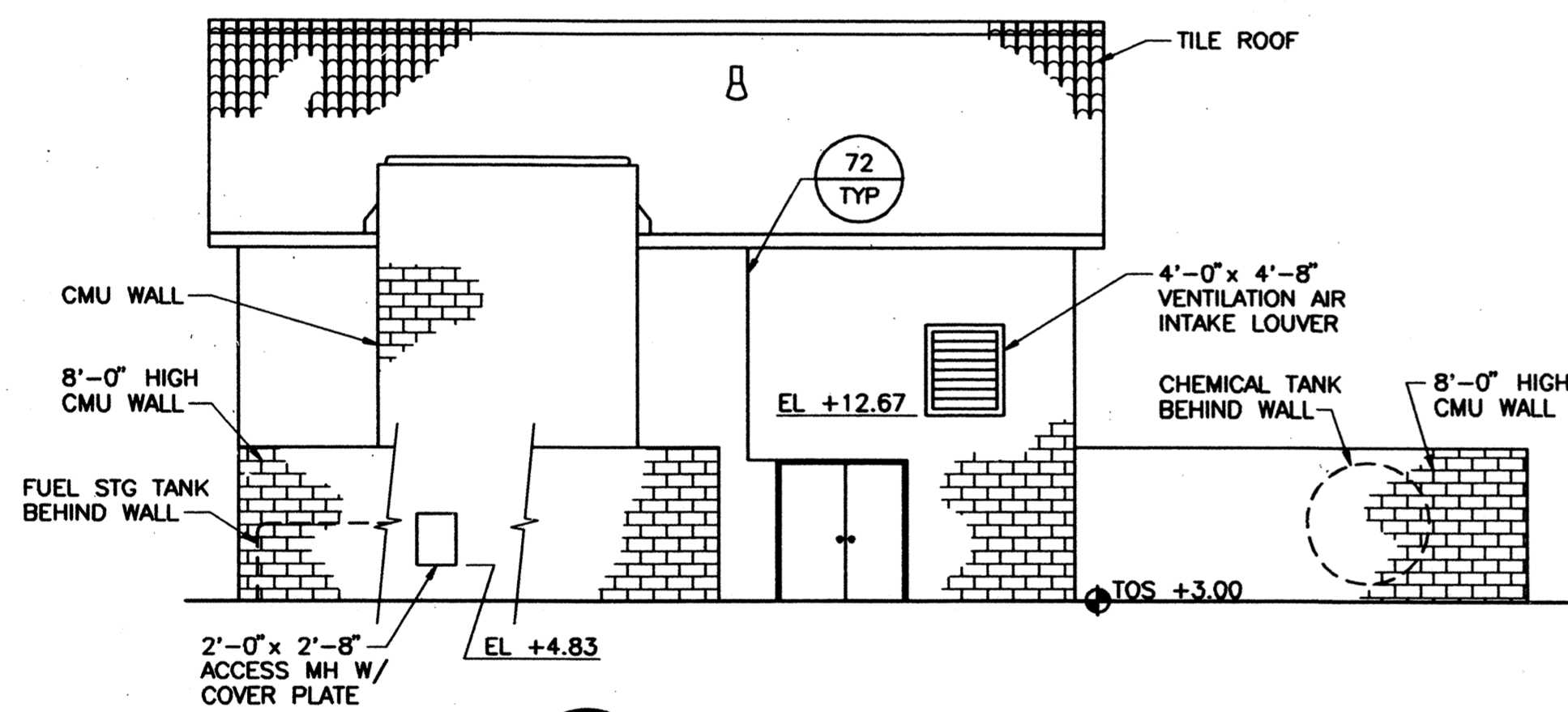
DWG LAST EDITED BY: JERR USER LOGIN TIME: MAY 16 1997 8:55 AM
 DWG LAST EDITED ON: 05/16/97 13:43:57
 XREFS: CMSK101 | CMSK104 | CMSK119 | CMSK120 | CMSK121 | CMSK122 | CMSK123 | CMSK124 | BDR | CHD | WAB | BEH |



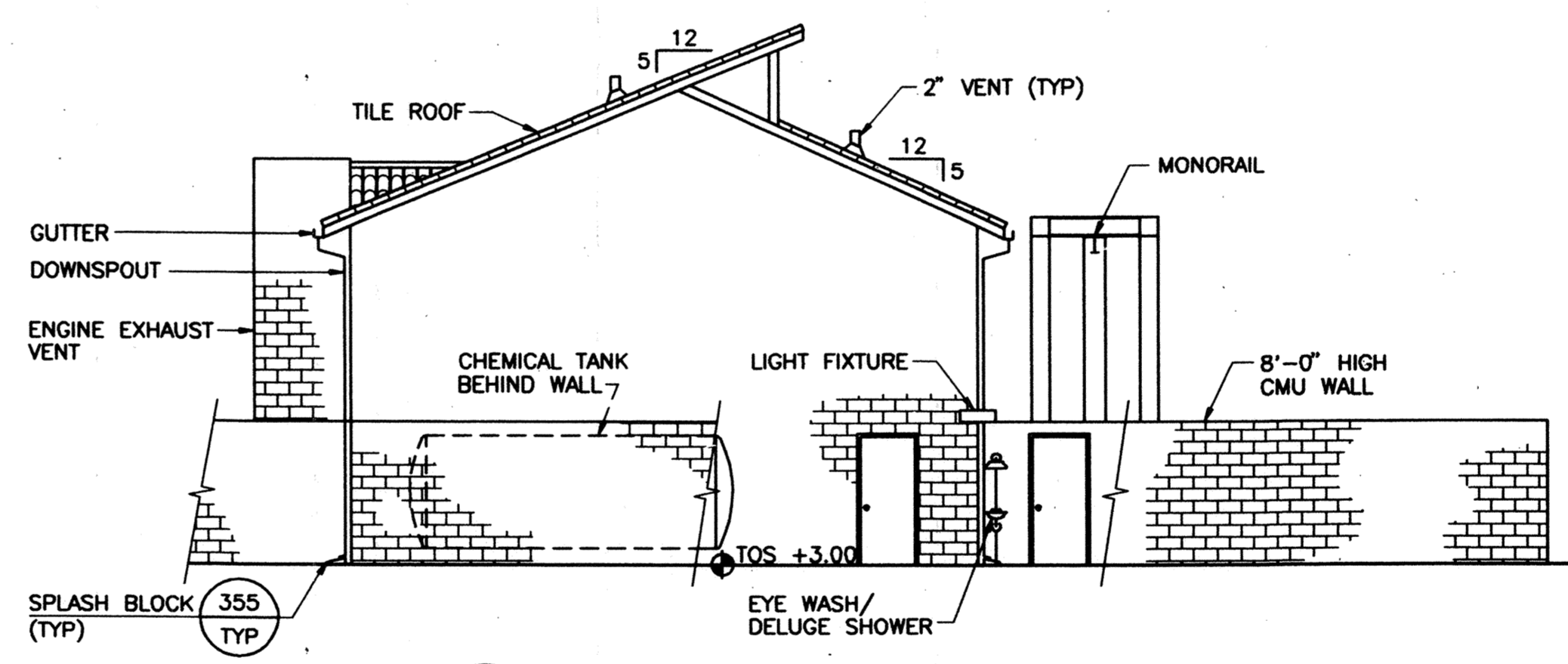
A SOUTH ELEVATION
1/8" = 1'-0"
CSSK100



C EAST ELEVATION
1/8" = 1'-0"
CSSK102



B NORTH ELEVATION
1/8" = 1'-0"
CSSK101



D WEST ELEVATION
1/8" = 1'-0"
CSSK103

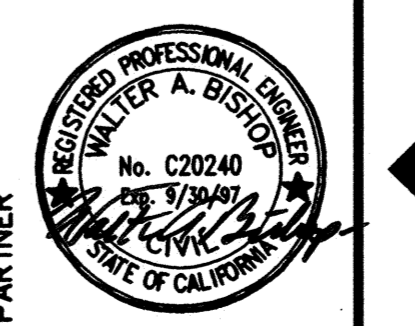
DWG LAST EDITED BY: EPAT USER LOGIN TIME: JULY 8, 1997 7:28 AM
 DWG LAST EDITED ON: 07/08/97 14:29:51
 DWG NAME: C:\STOCKTON\3385D\0\CSSK002.DWG
 XREFS: CSSK100 | CSSK101 | CSSK102 | CSSK103 | BOP | WAB | BEM | WAM |

RECORD DRAWING

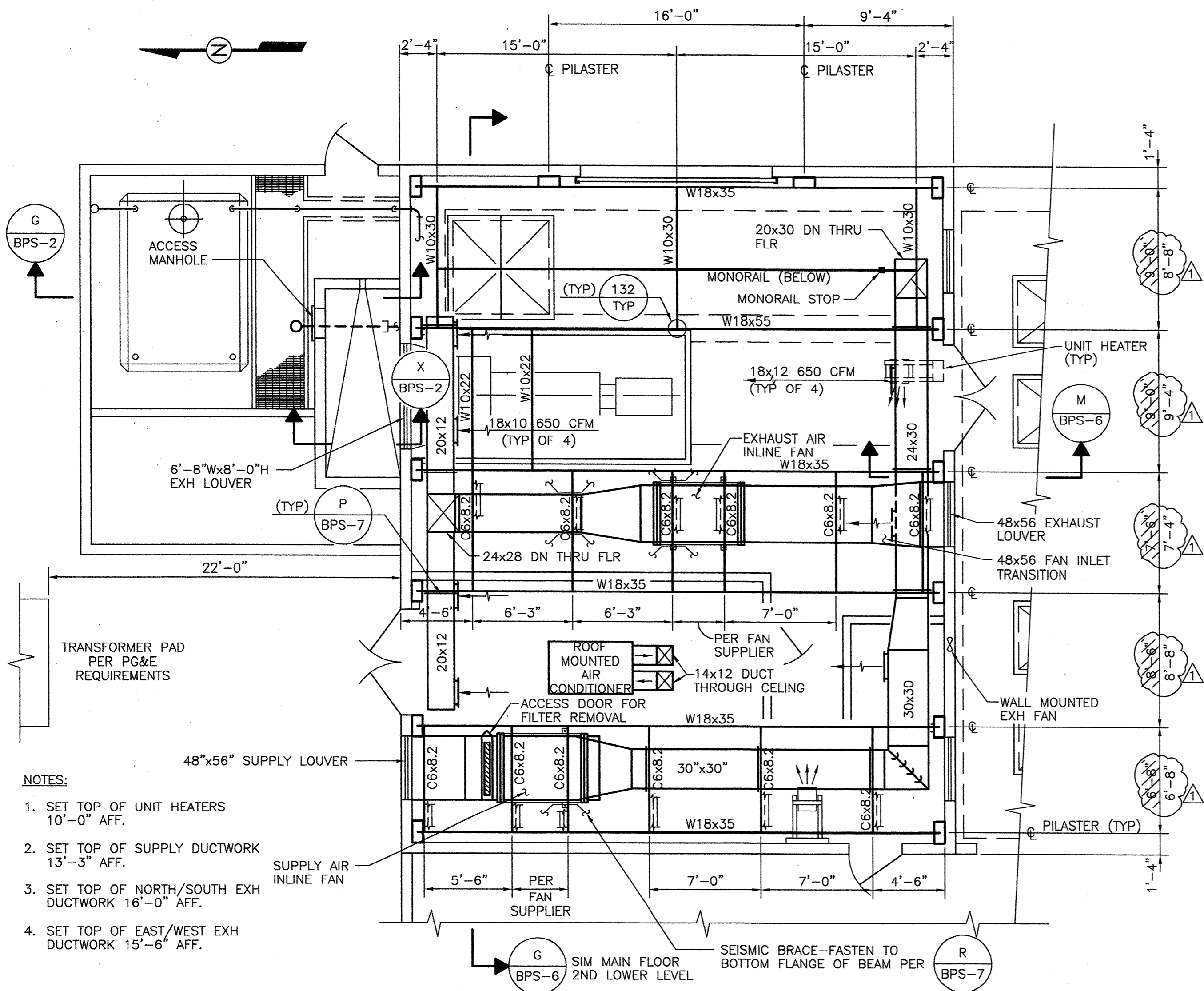
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
BROOKSIDE PUMP STATION		
EXTERIOR ELEVATIONS		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS NOTED	APPROVED BY: <i>RPW</i>	DRAWING NO. BPSB-5
DESIGNED: PDF	DATE: 8/25/97	SHEET NO. 62 OF 100
DRAWN: BWE	<i>Paul M. Semilang</i> CITY ENGINEER	JOB NO. 3385D.10
CHECKED: JLW		AS BUILT BY: PG

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

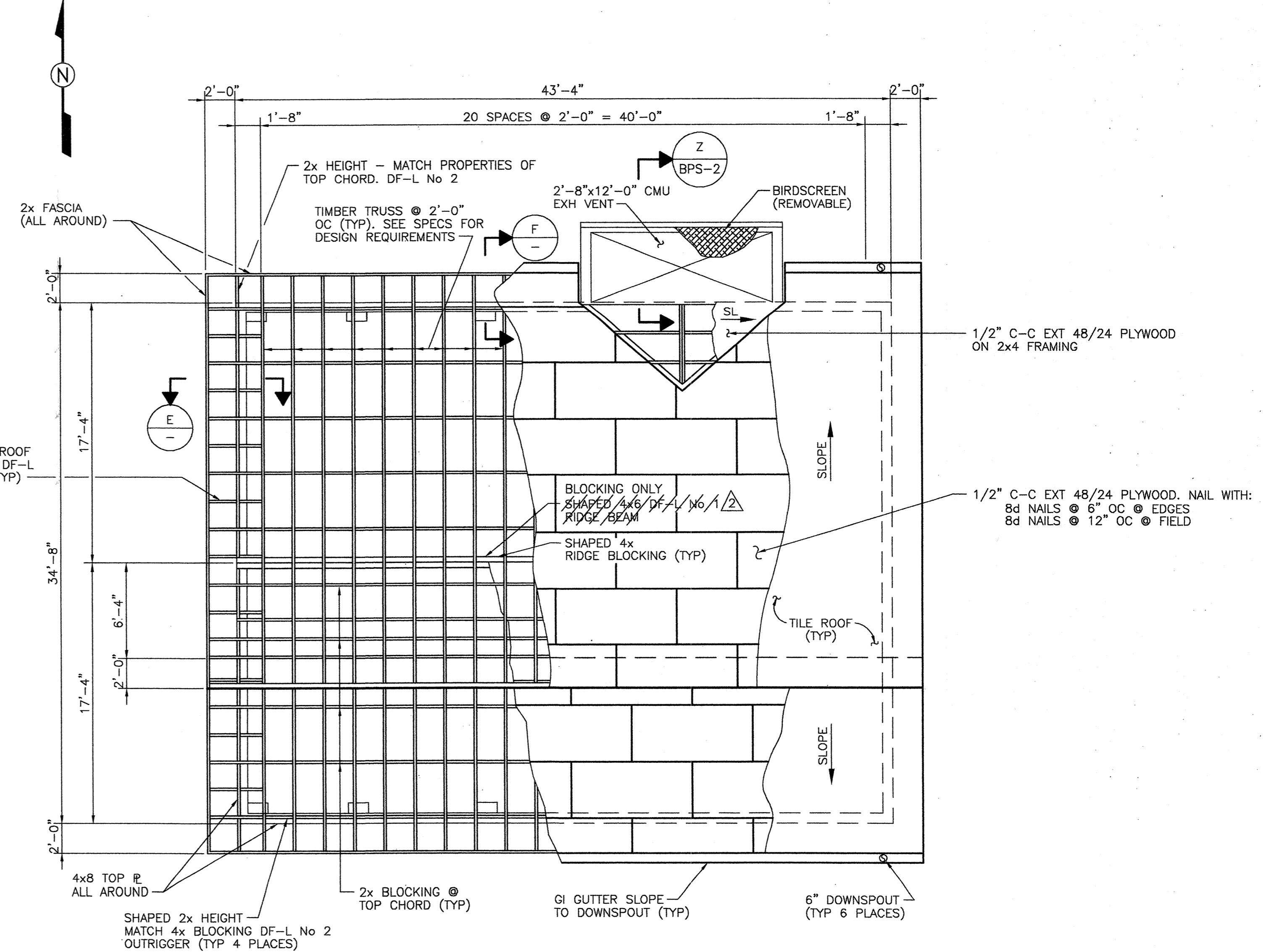


4006.61Ca

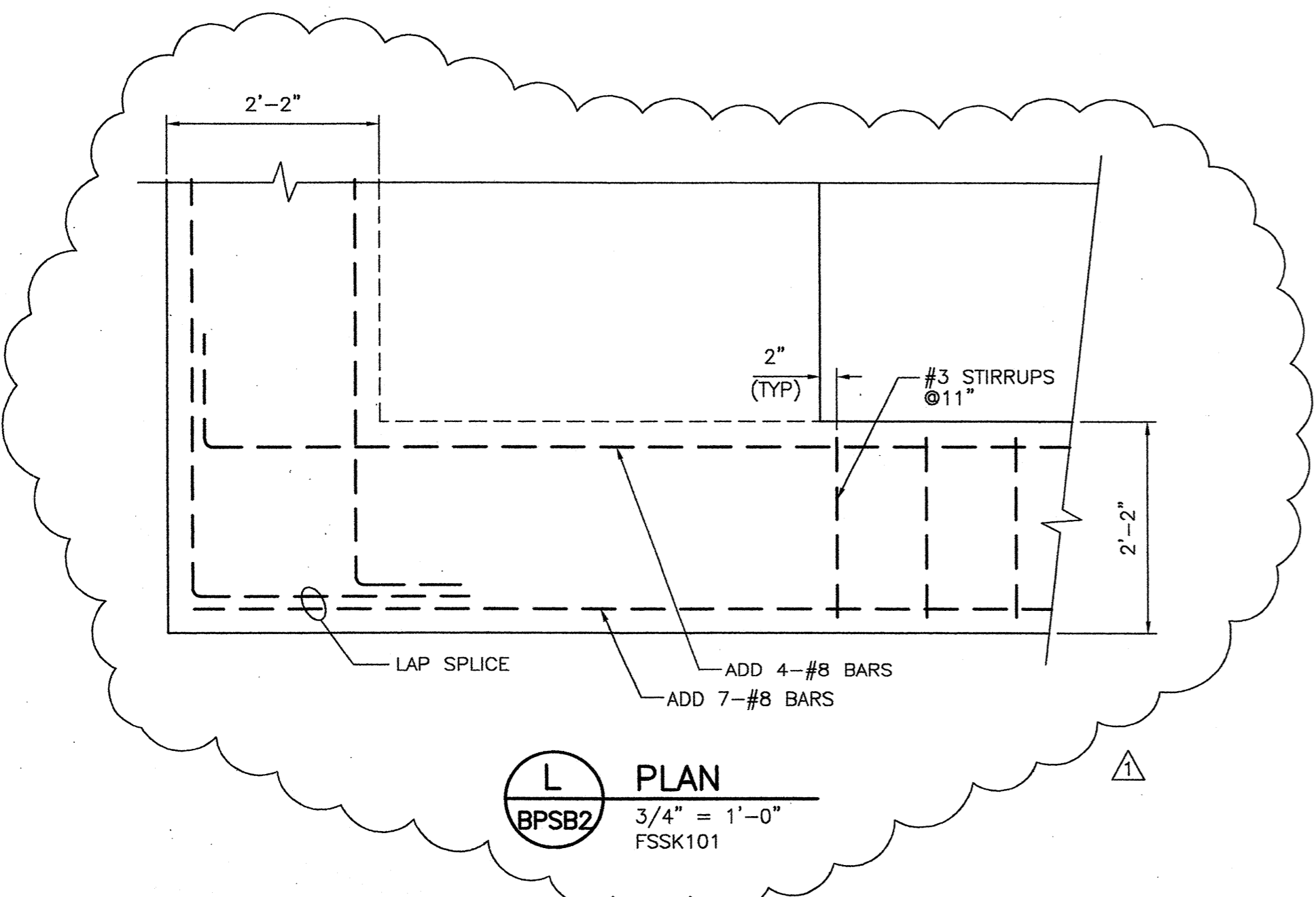


A HVAC - MAIN FLOOR PLAN @ EL +16
 3/16" = 1'-0"
 CHSK100

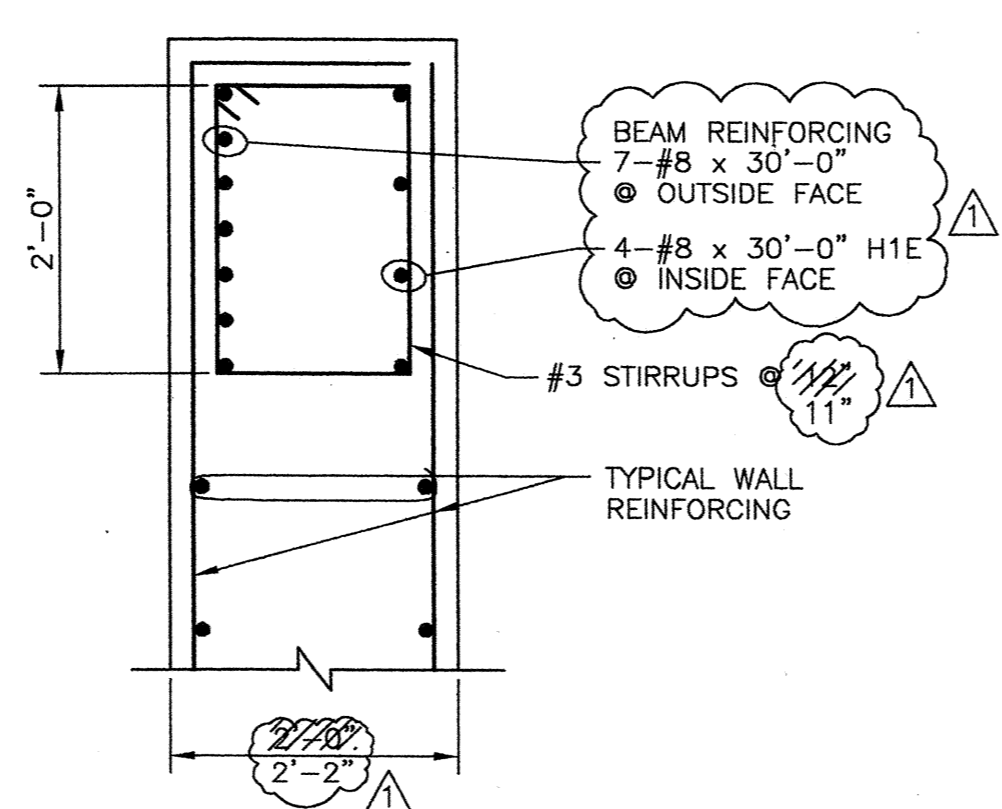
- NOTES:**
1. SET TOP OF UNIT HEATERS 10'-0" AFF.
 2. SET TOP OF SUPPLY DUCTWORK 13'-3" AFF.
 3. SET TOP OF NORTH/SOUTH EXH DUCTWORK 16'-0" AFF.
 4. SET TOP OF EAST/WEST EXH DUCTWORK 15'-6" AFF.



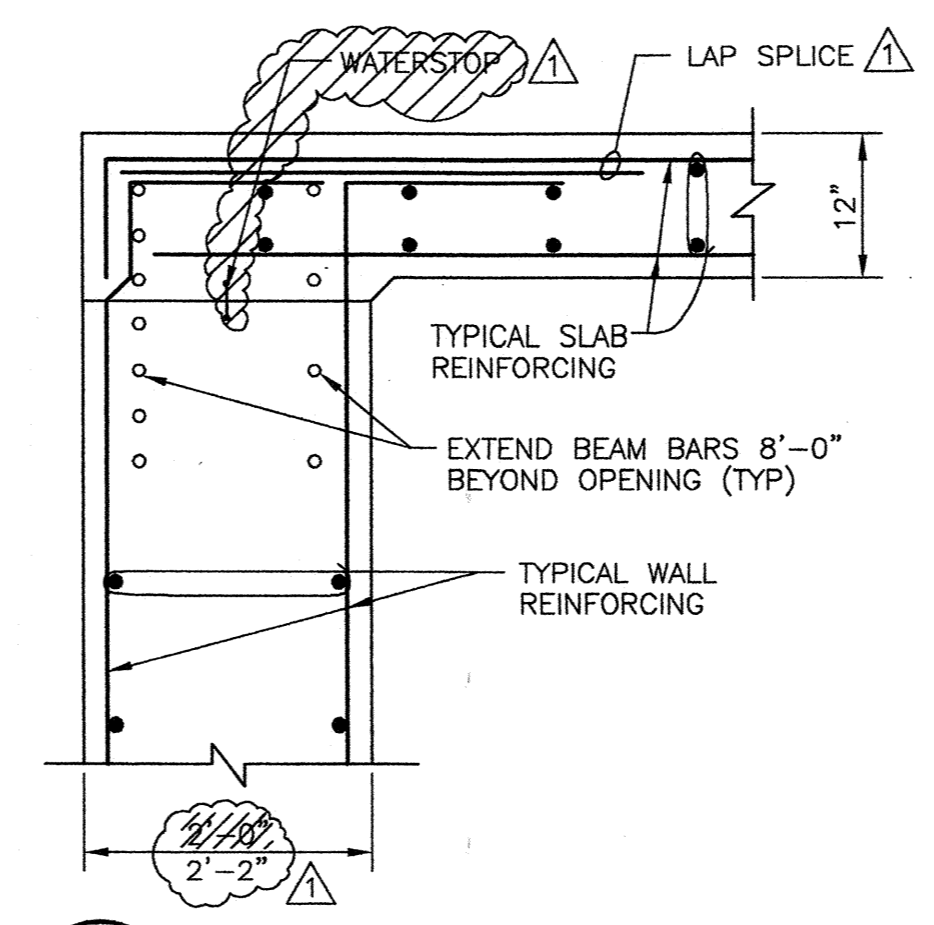
B PLAN - ROOF FRAMING
 3/16" = 1'-0"
 CSSK104



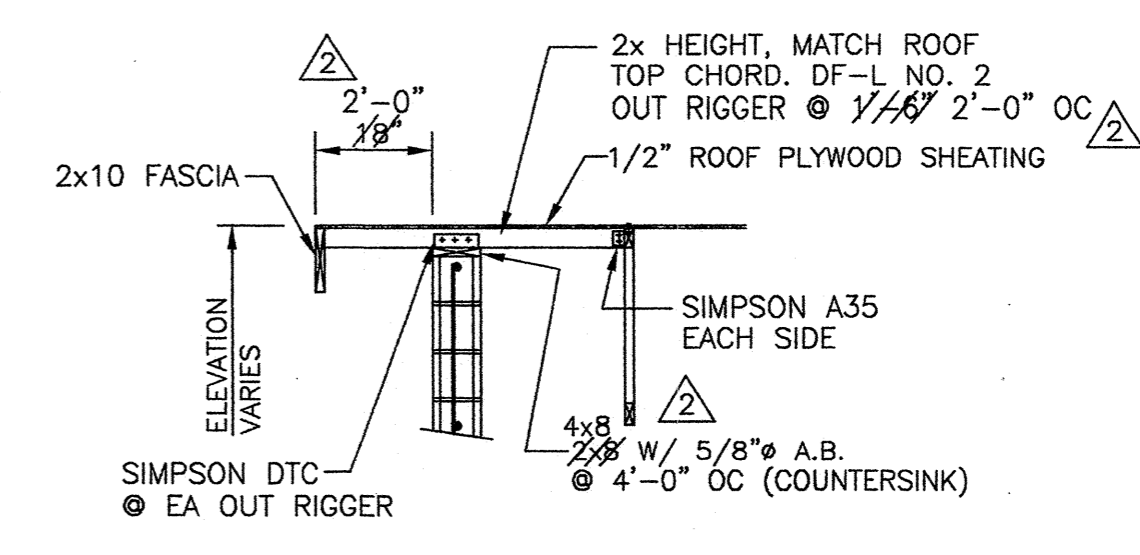
L PLAN
 BPSB2
 3/4" = 1'-0"
 FSSK101



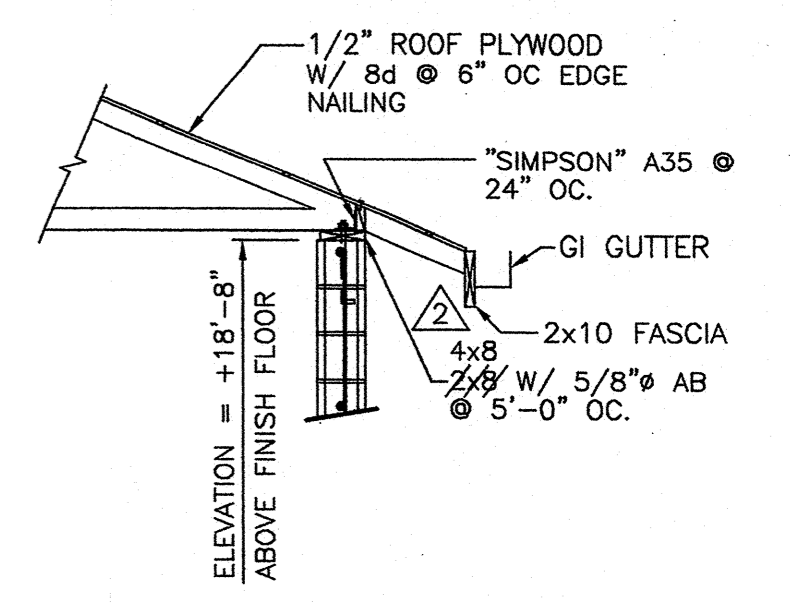
M DETAIL
 BPSB-2
 3/4" = 1'-0"
 LSSK116



N DETAIL
 BPSB-2
 3/4" = 1'-0"
 LSSK117



E DETAIL
 3/8" = 1'-0"
 CMSK133



F DETAIL
 3/8" = 1'-0"
 CMSK132

NOTE: ROOF LIVE LOAD = 30 PSF

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON PARTIAL INFORMATION PROVIDED BY OTHERS.

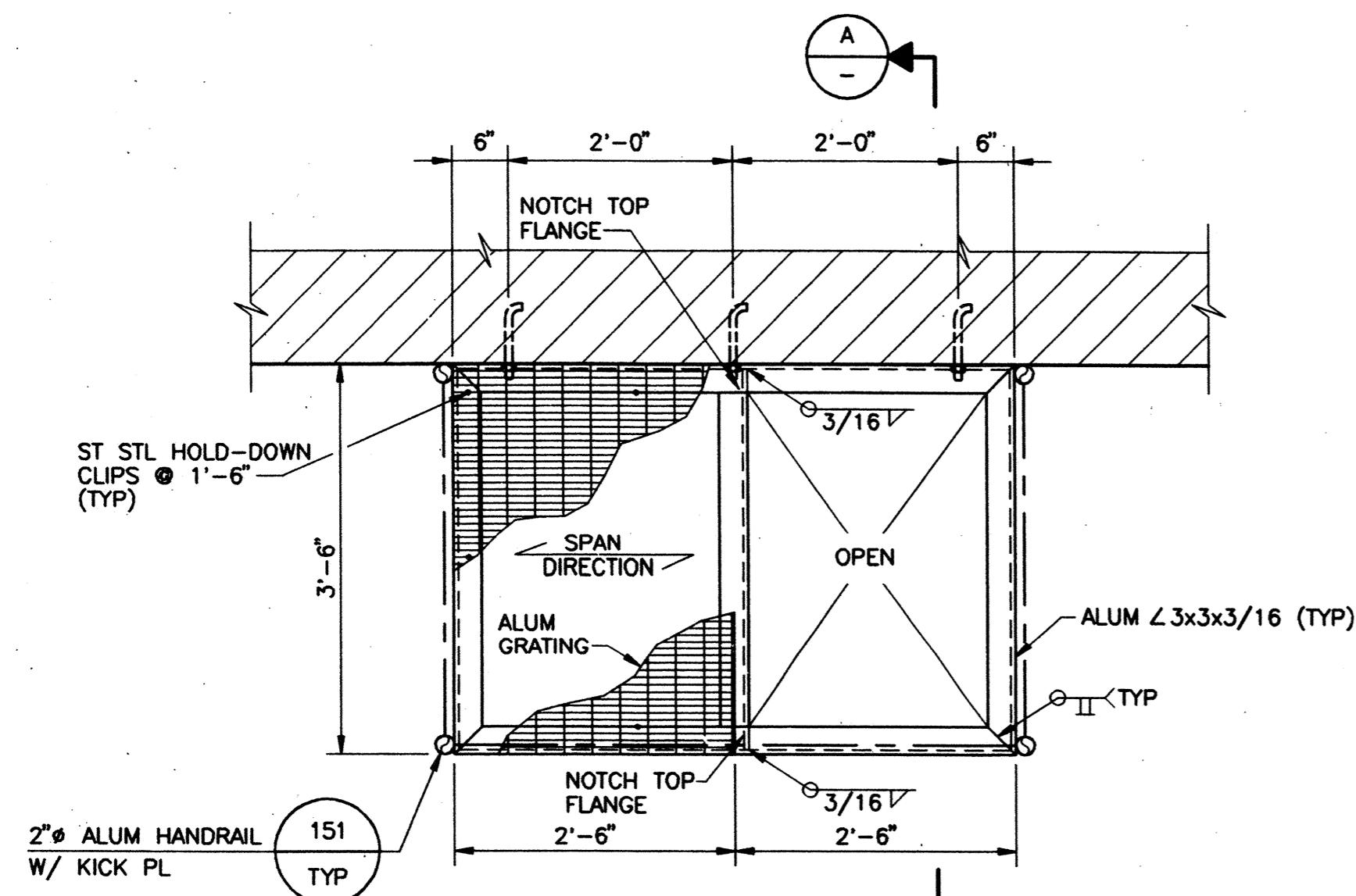
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS	
BROOKSIDE PUMP STATION HVAC MAIN FLOOR PLAN AND ROOF FRAMING PLAN	
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA	
SCALE: AS NOTED	APPROVED BY: DATE: _____
DESIGNED: PDF	DRAWING NO. BPSB-6R
DRAWN: BWE	
CHECKED: JLW	SHEET NO. 63 OF 100
AS BUILT BY: PG	JOB NO. 3385D.10

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING
9/16/98	PDF		CLARIFICATIONS

REVISOR FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS

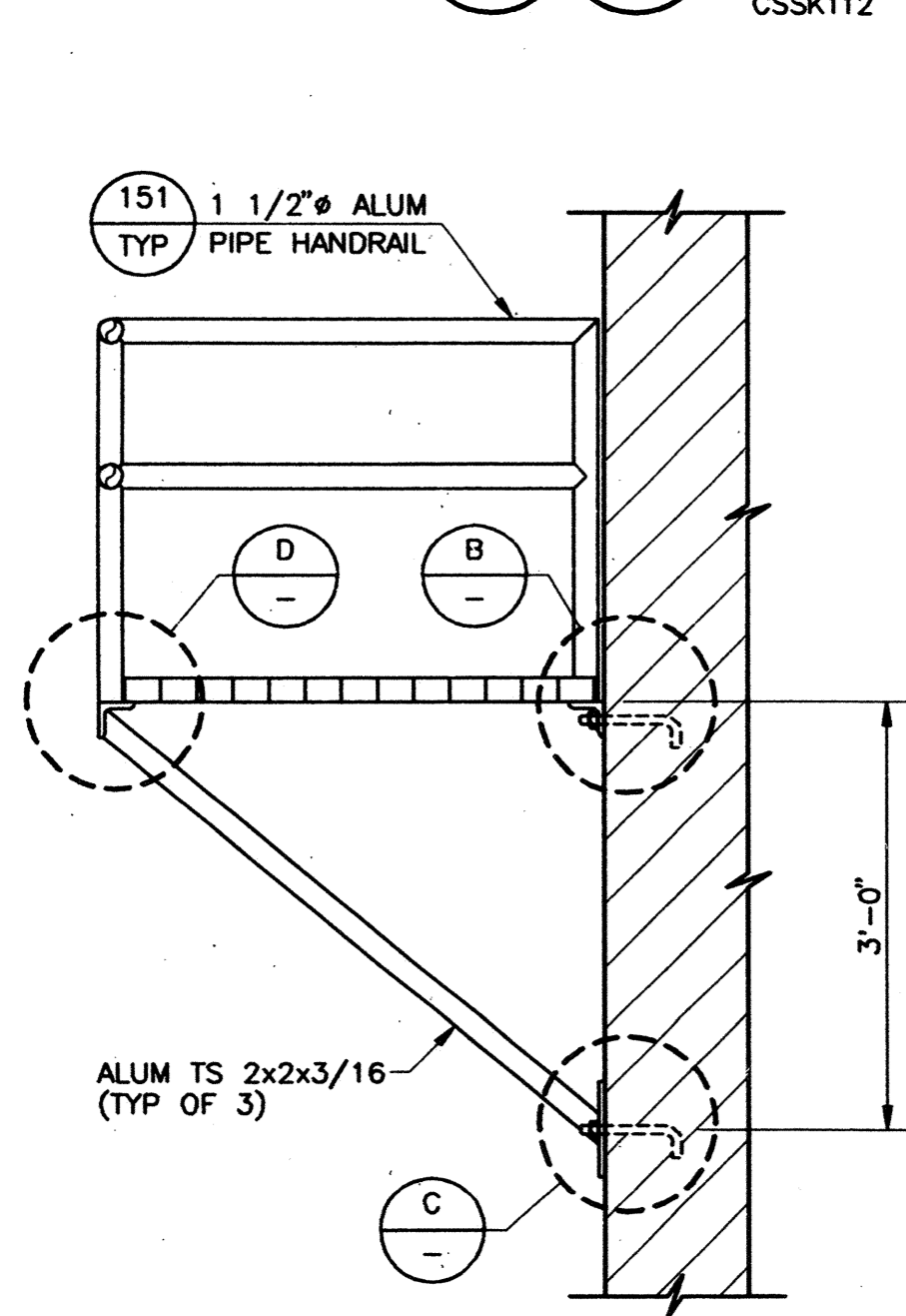


DWG LAST EDITED BY: EAVT USER LOGIN TIME: JULY 11, 1997 7:42 AM DWG LAST EDITED ON: 07/11/97 10:08:04 DWG NAME: C:\STOCKTON\3385D\0\CHSK008.DWG
 XREFS: CHSK100 | CSSK104 | CHSK133 | CHSK132 | CHSK116 | CHSK117 | WMB | BEM

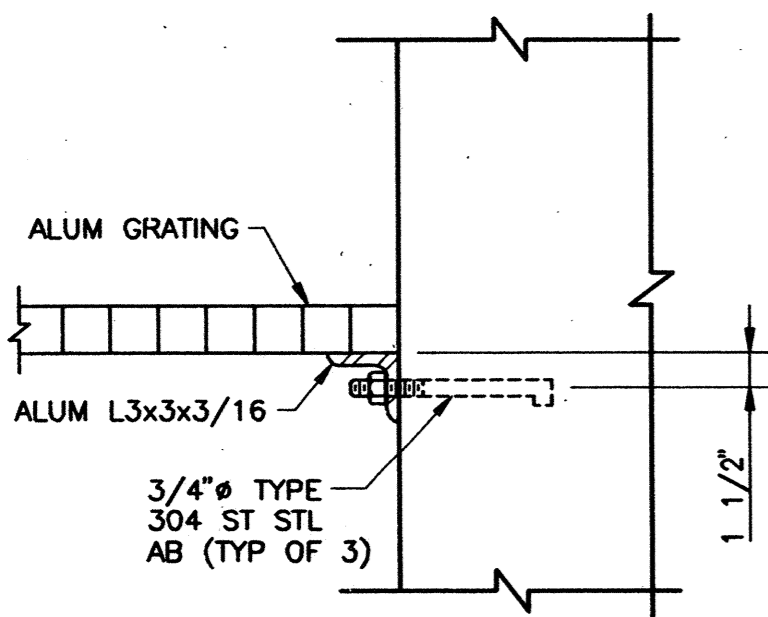


- NOTES:
- LADDERS NOT SHOWN FOR CLARITY
 - BACKPAINT ALUM IN CONTACT WITH CONC WITH ASPHALTIC PAINT. SEE SPECS.

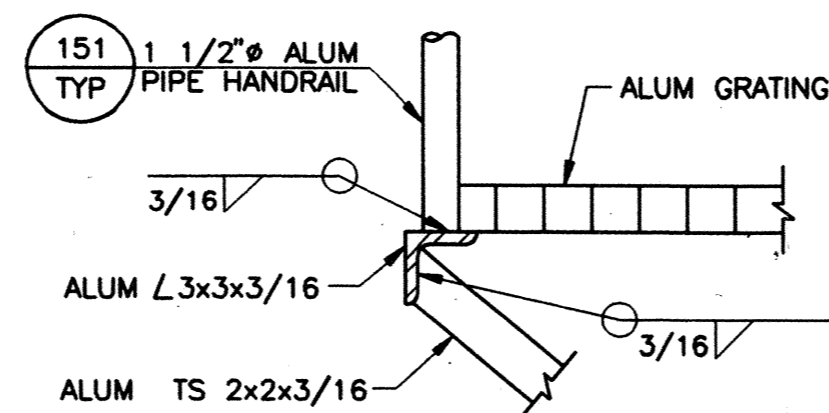
H H LADDER LANDING DETAIL
 BPSB-3 BPSB-4 3/4" = 1'-0"
 CSSK112



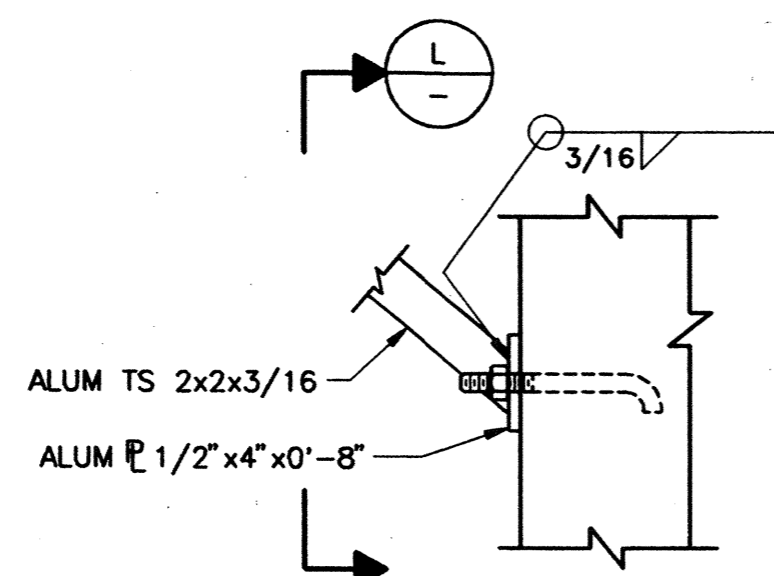
A LADDER LANDING DETAIL
 3/4" = 1'-0"
 CSSK113



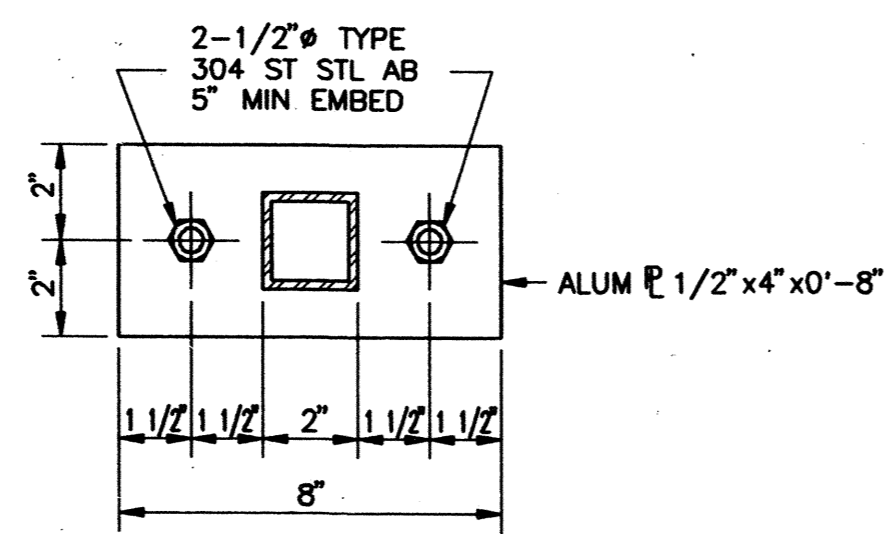
B DETAIL
 1 1/2" = 1'-0"
 LSSK118



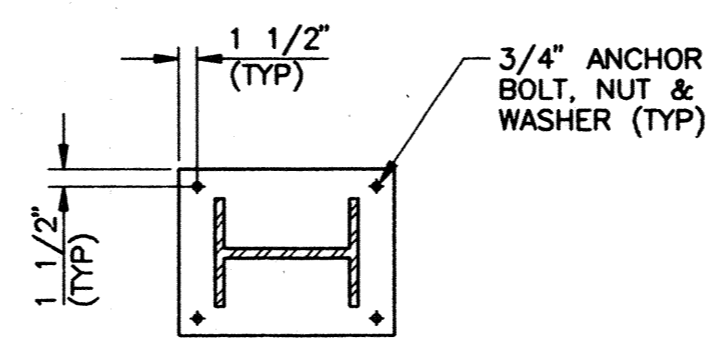
D DETAIL
 1 1/2" = 1'-0"
 LSSK119



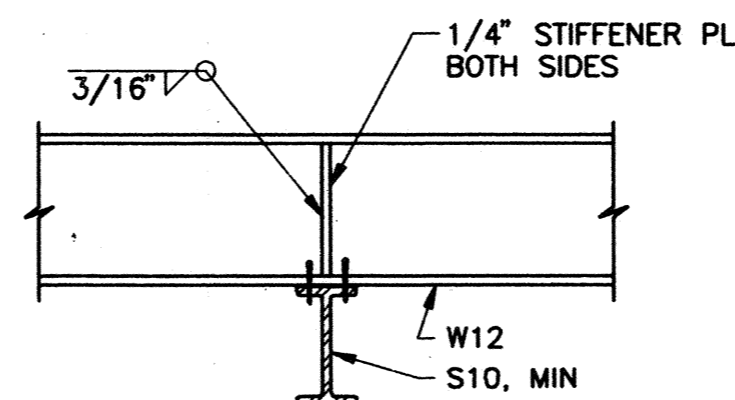
C DETAIL (TYPICAL OF 3)
 1 1/2" = 1'-0"
 LSSK120



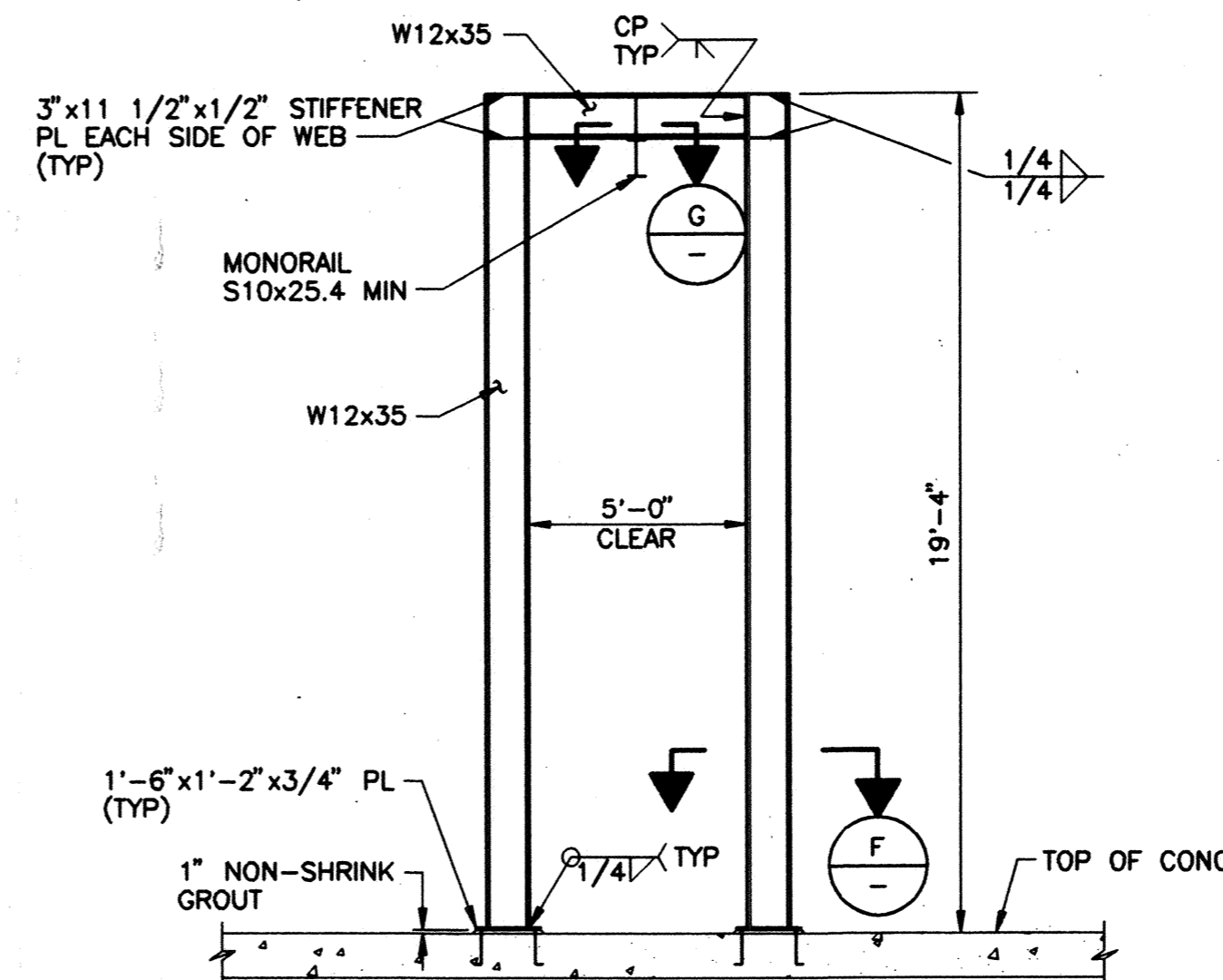
L DETAIL
 3" = 1'-0"
 LSSK121



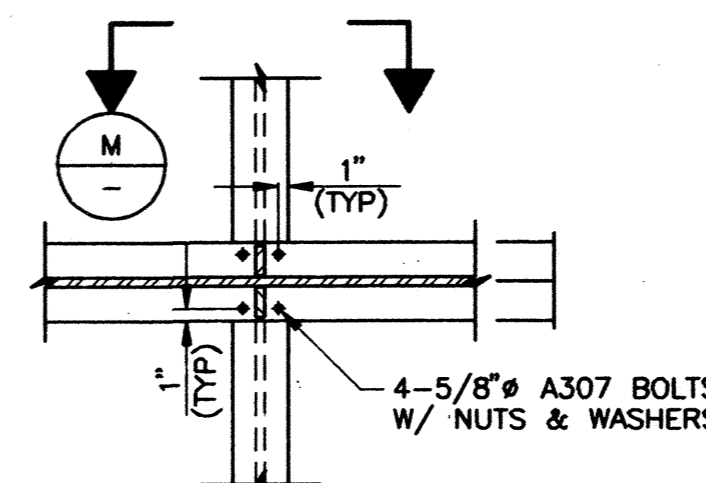
F SECTION
 3/4" = 1'-0"
 CMSK140



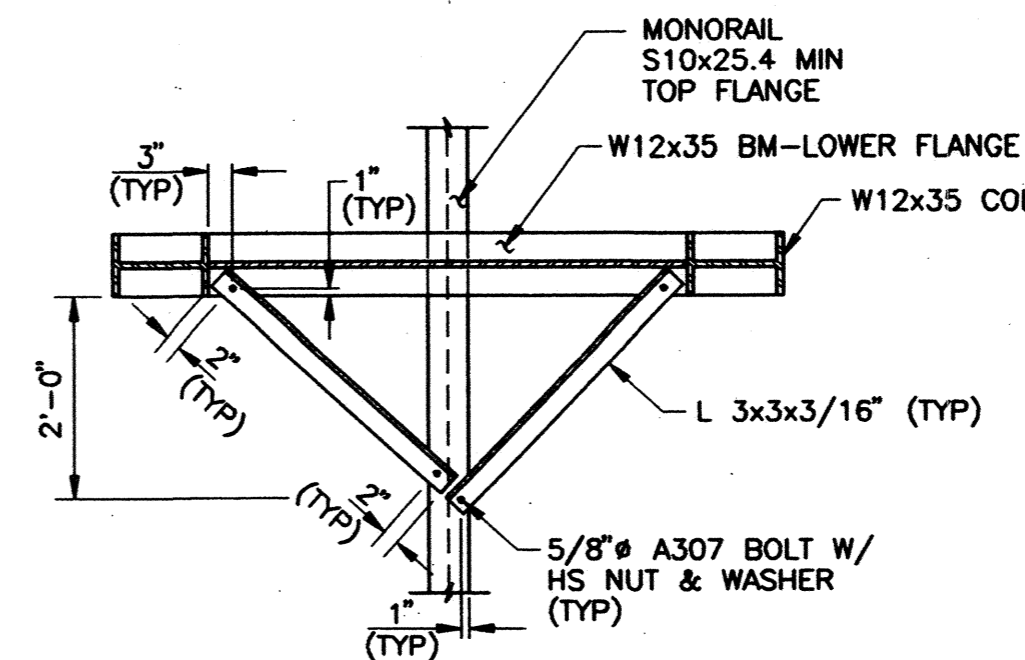
M SECTION
 3/4" = 1'-0"
 CMSK142



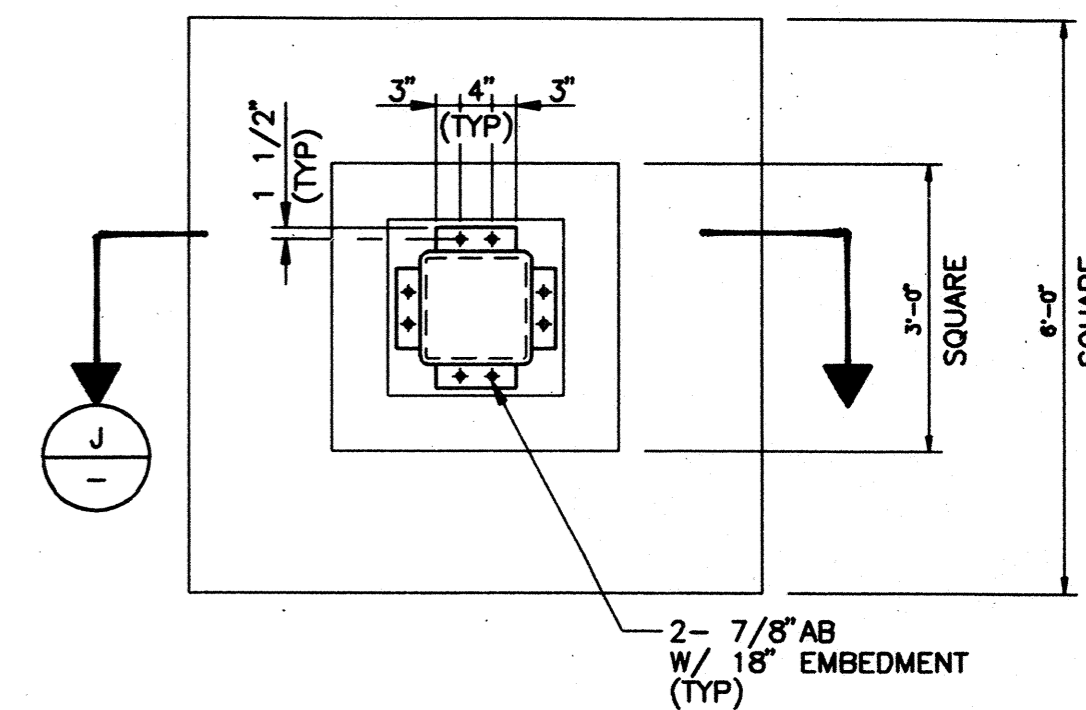
E MONORAIL SUPPORT FRAME DETAIL
 BPSB-4 1/4" = 1'-0"
 CMSK137



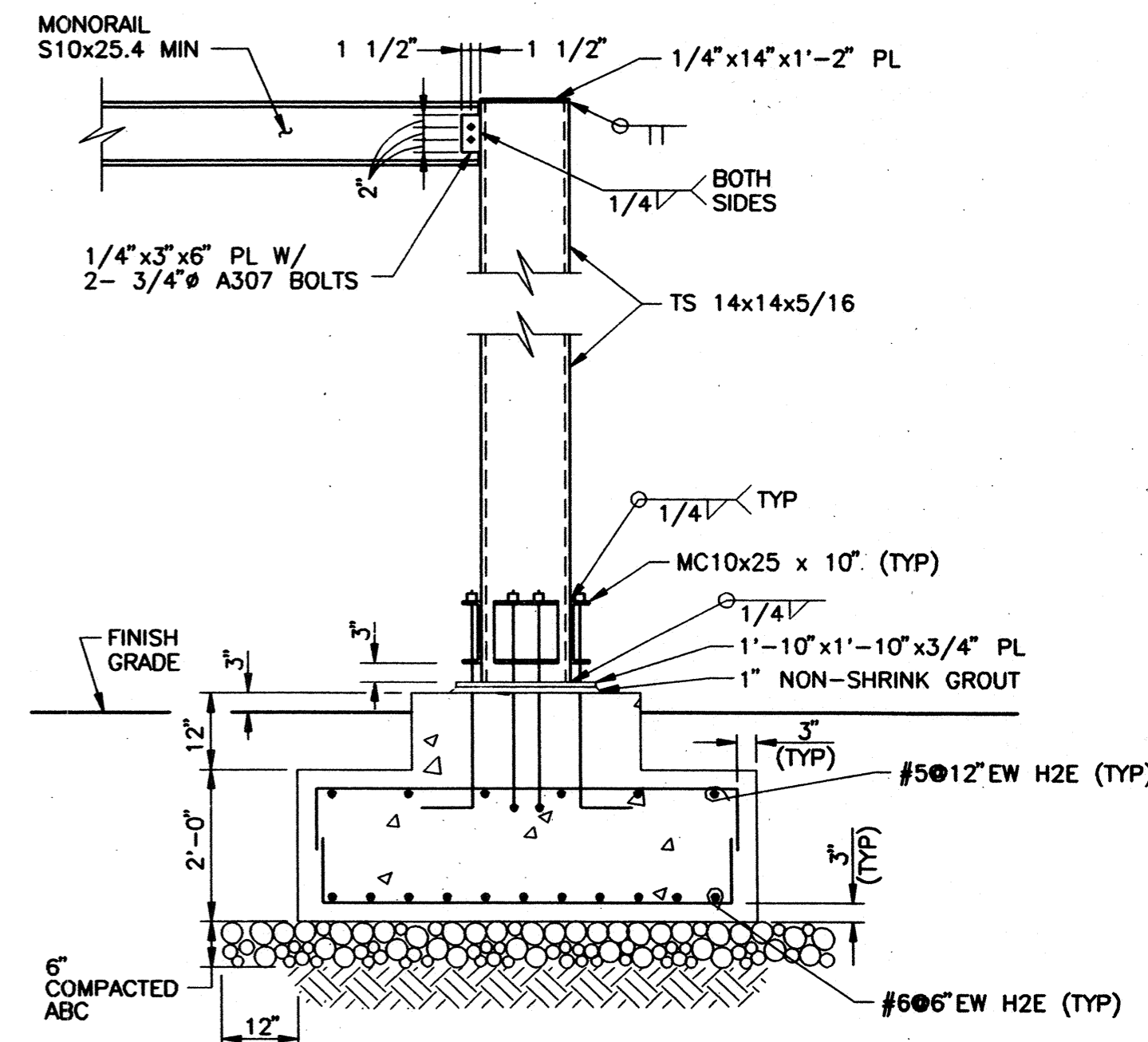
G SECTION
 3/4" = 1'-0"
 CMSK141



K MONORAIL BRACING DETAIL
 BPSB-2 1/2" = 1'-0"
 CMSK143



I MONORAIL END SUPPORT DETAIL
 BPSB-2 1/2" = 1'-0"
 CMSK138



J SECTION
 1/2" = 1'-0"
 CMSK139

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

BROOKSIDE PUMP STATION SECTIONS AND DETAILS

DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA

SCALE: AS NOTED	APPROVED BY: <i>[Signature]</i>	DRAWING NO. BPSB-7
DESIGNED: PDF	DATE: 9/2/17	SHEET NO. 64 of 100
DRAWN: BWE	<i>[Signature]</i>	JOB NO. 3385D.10
CHECKED: JLW	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION

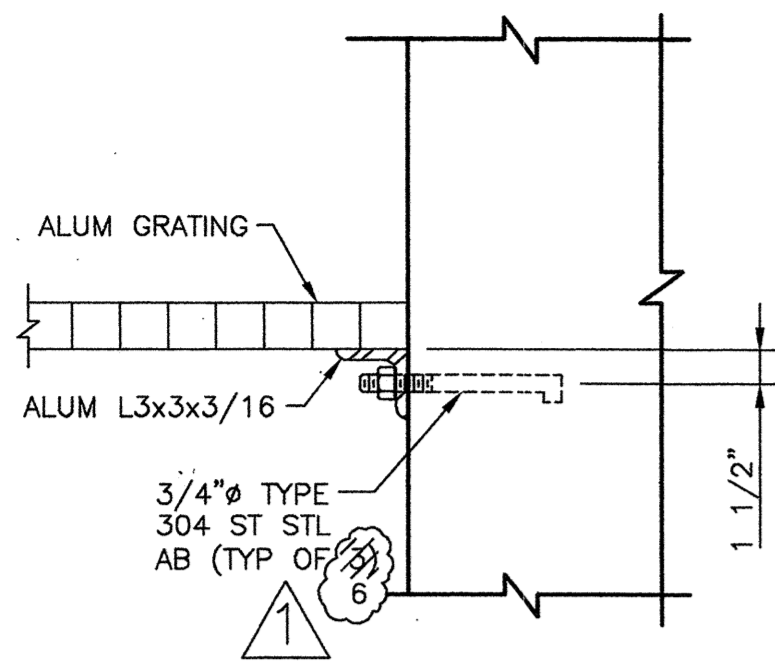
DISCIPLINE ENGINEER: *[Signature]* PROFESSIONAL ENGINEER No. 2210 Exp. 6/30/01 STATE OF CALIFORNIA

PROJECT ENGINEER: *[Signature]* PROFESSIONAL ENGINEER No. C50182 Exp. 7/31/04 STATE OF CALIFORNIA

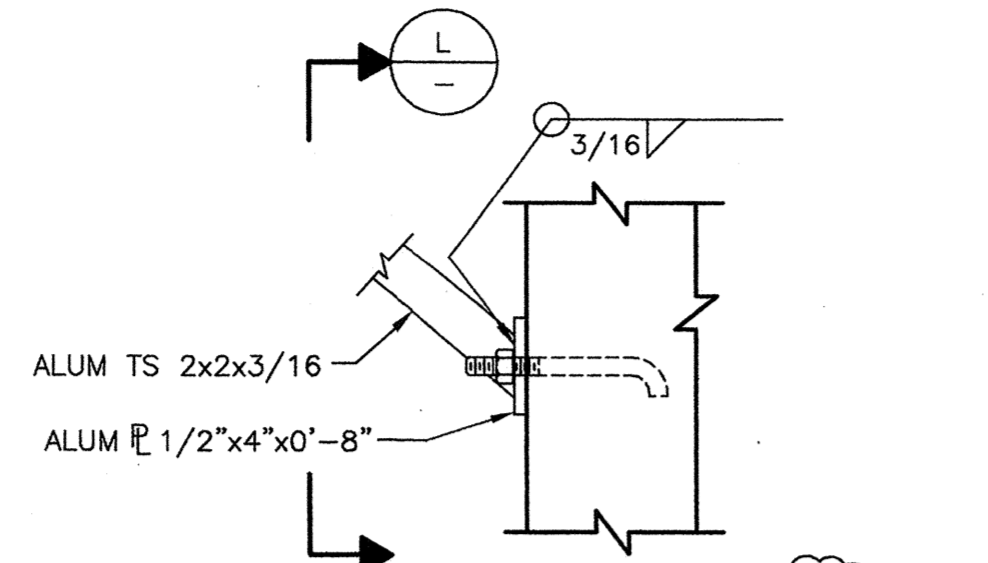
PARTNER: *[Signature]* PROFESSIONAL ENGINEER No. C20240 Exp. 7/31/04 STATE OF CALIFORNIA



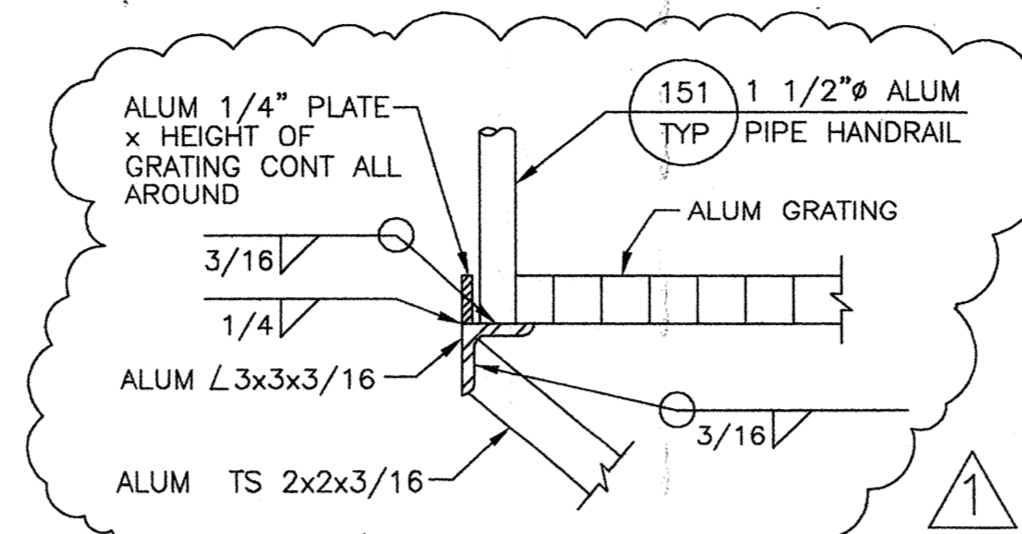
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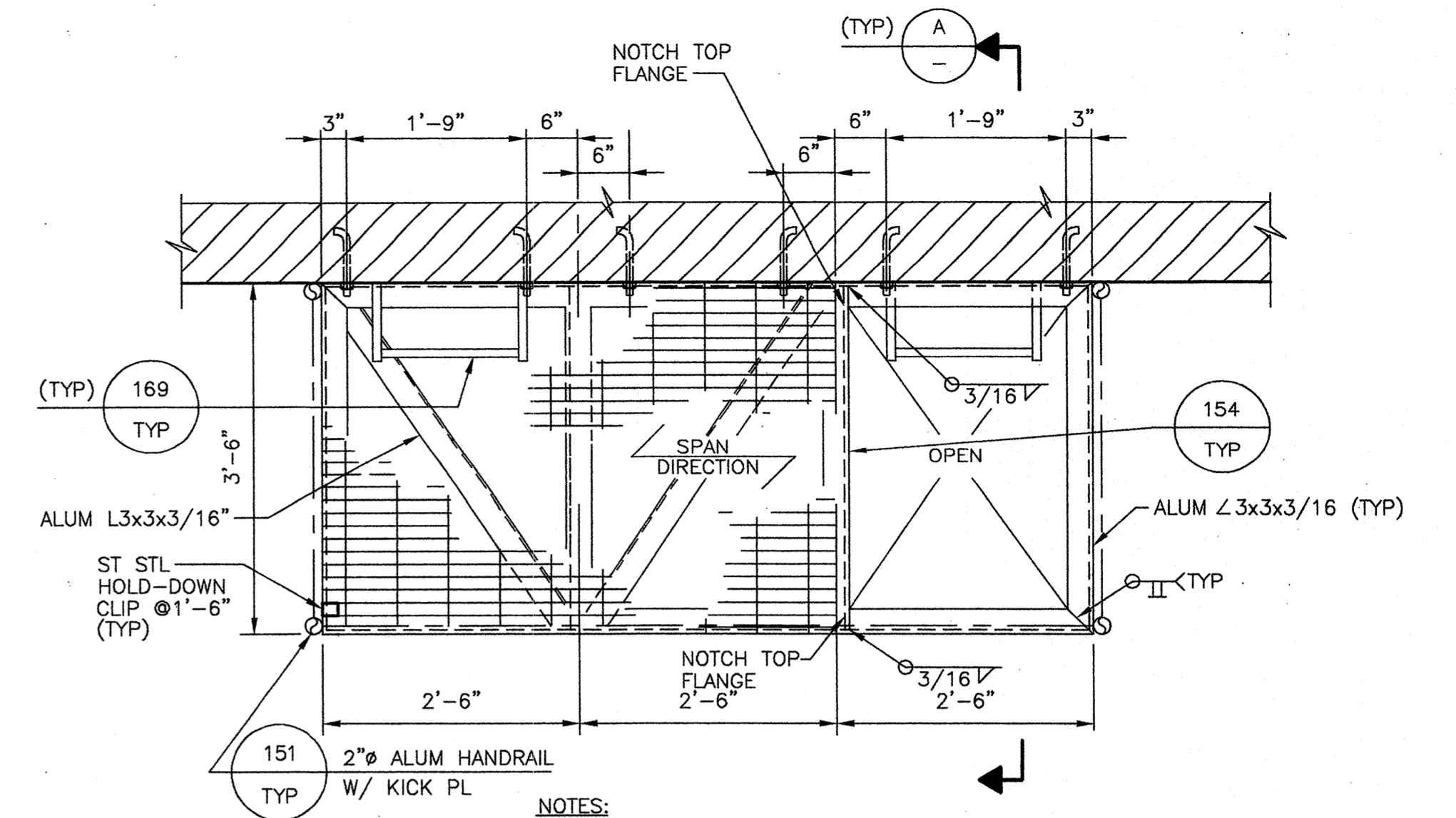
B DETAIL
1 1/2" = 1'-0"
LSSK118



C DETAIL (TYPICAL OF 3)
1 1/2" = 1'-0"
LSSK120



D DETAIL
1 1/2" = 1'-0"
LSSK119



H **H** LADDER LANDING DETAIL
BPSB-3 BPSB-4 3/4" = 1'-0"
CSSK112

- NOTES:
1. LADDERS NOT SHOWN FOR CLARITY
2. BACKPAINT ALUM IN CONTACT WITH CONG WITH ASPHALTIC PAINT. SEE SPECS.

DWG LAST EDITED BY: JERR USER LOGIN TIME: MAY 16, 1997 8:55 AM DWG LAST EDITED ON: 08/16/97 13:43:57 DWG NAME: H:\STOCKTON\3385D\TNSRQ07A.DWG
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RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

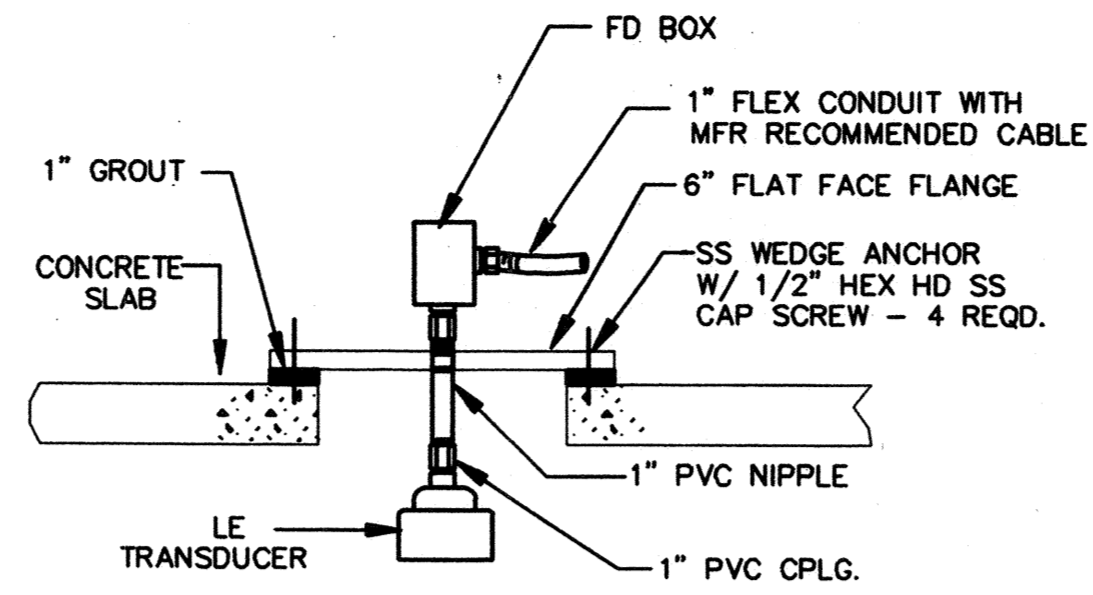
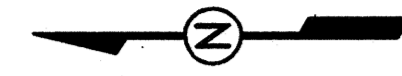
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
BROOKSIDE PUMP STATION SECTIONS AND DETAILS		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS NOTED	APPROVED BY: _____	DRAWING NO. BPSB-7R
DESIGNED: PDF	DATE: _____	SHEET NO. 64A OF 100
DRAWN: BWE		JOB NO. 3385D.10
CHECKED: JLW	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: PC		

REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING
2	8/28/98	BEH	MUD REQUESTED CHANGES

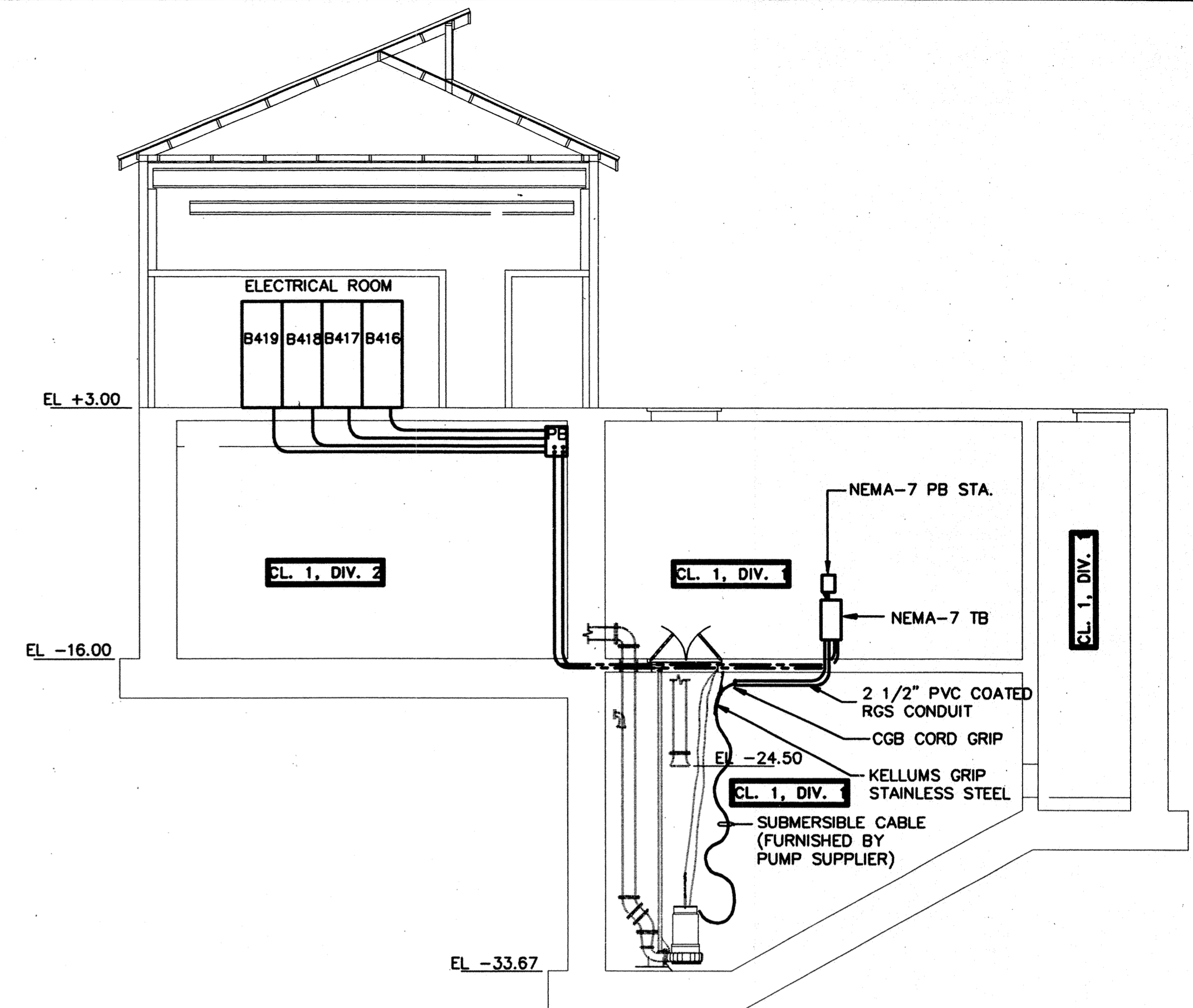
REVISID FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS

DISCIPLINE ENGINEER
 PROJECT ENGINEER
 PARTNER

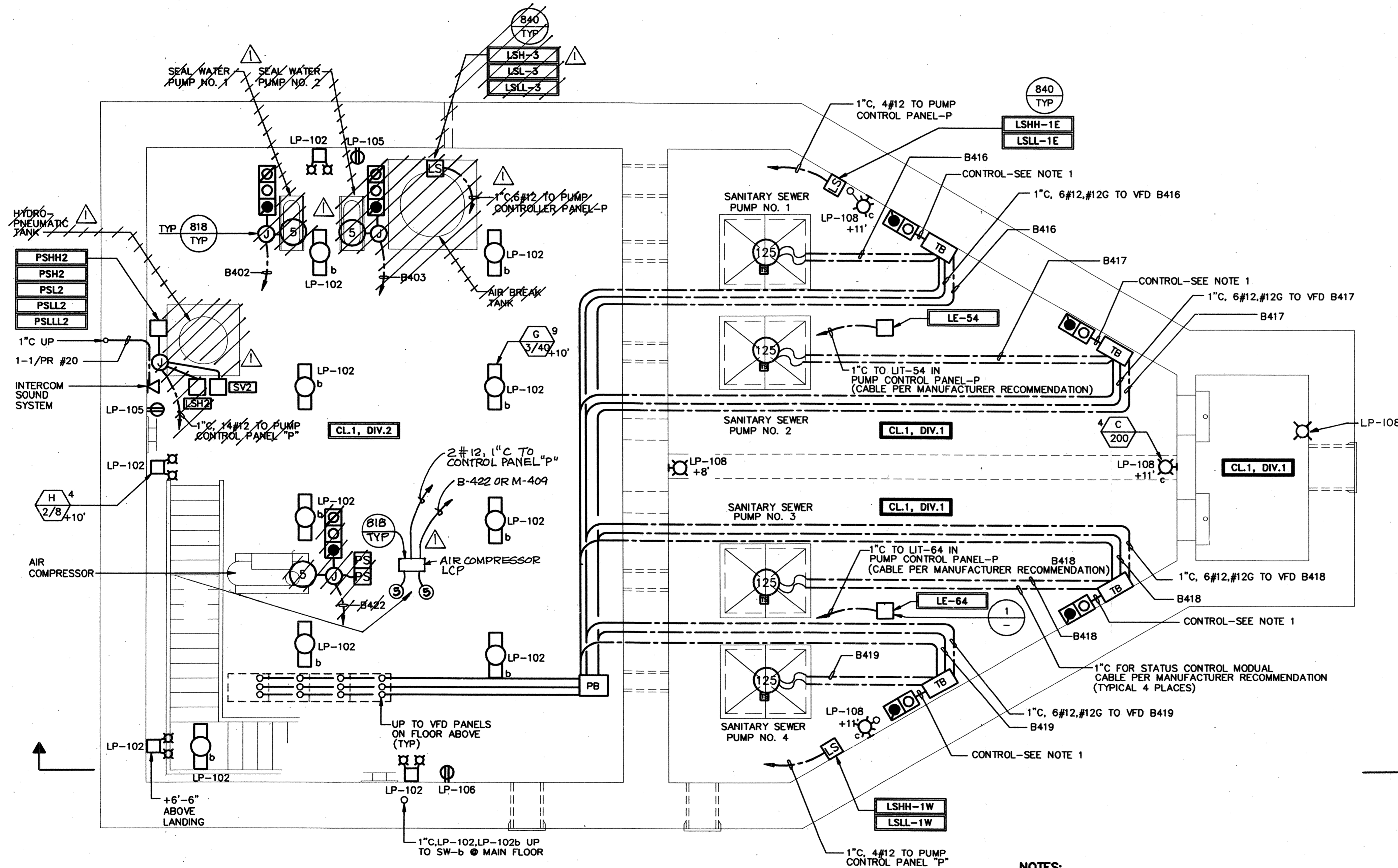




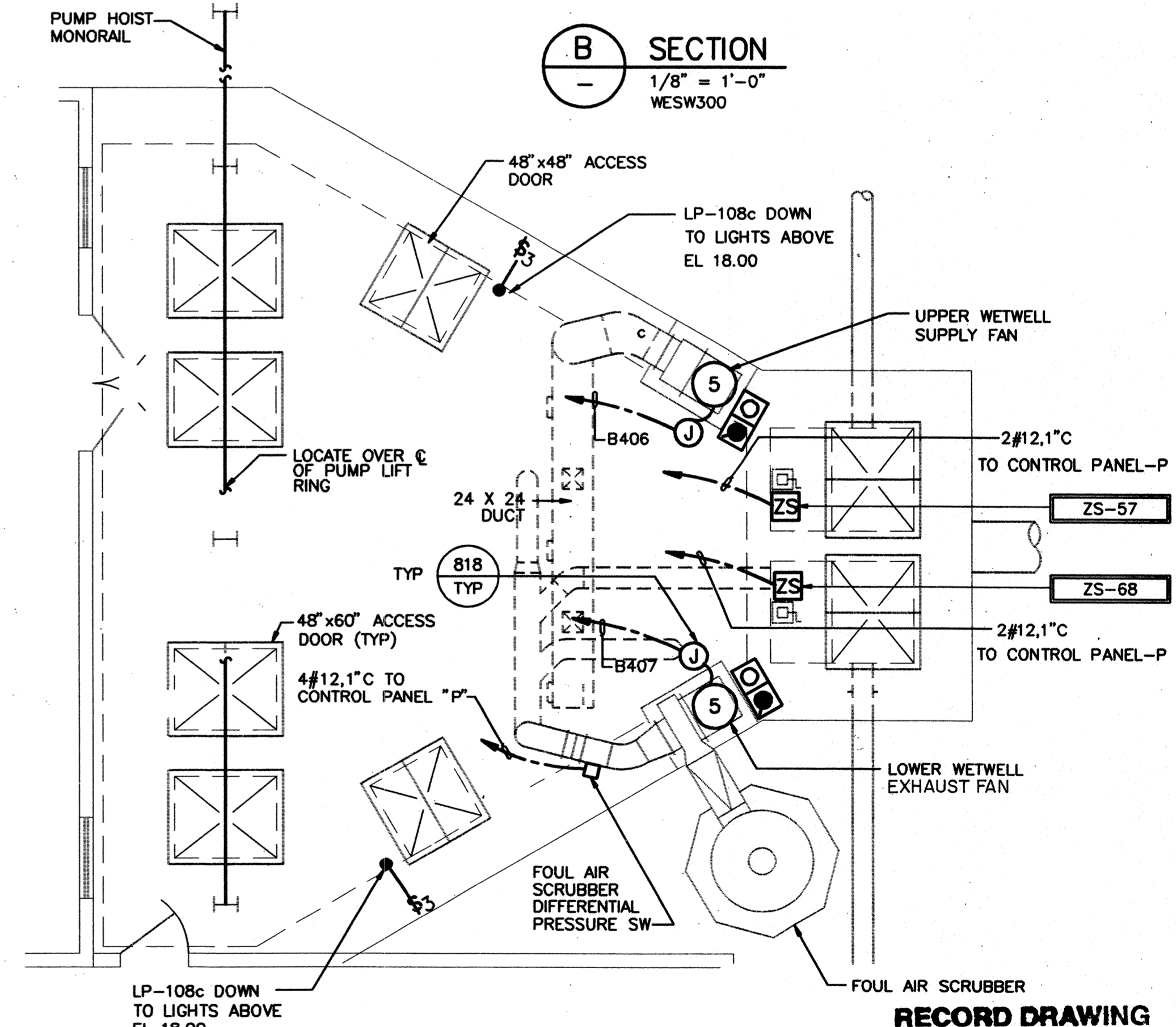
1 TRANSducer MOUNTING
N.T.S.



B SECTION
1/8" = 1'-0"
WESW300



A PLAN - PUMP STATION AT EL -18.00
1/4" = 1'-0"
WESW200



C PLAN AT GRADE
3/16" = 1'-0"
WESK100

NOTES:
1. FOR CONDUIT AND WIRE SIZES NOT SHOWN
SEE SINGLE LINE DIAGRAM DWG BPS-11.

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED
ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS			
BROOKSIDE PUMP STATION SUBMERSIBLE ALTERNATIVE			
ELECTRICAL POWER PLAN			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: DESIGNED: DRAWN: CHECKED: AS BUILT BY:	AS NOTED PK/WJB WJB JA PG	APPROVED BY: DATE: CITY ENGINEER STOCKTON, CALIF.	DRAWING NO. BPSB-8 SHEET NO. 65 OF 100 JOB NO. 3385D.10

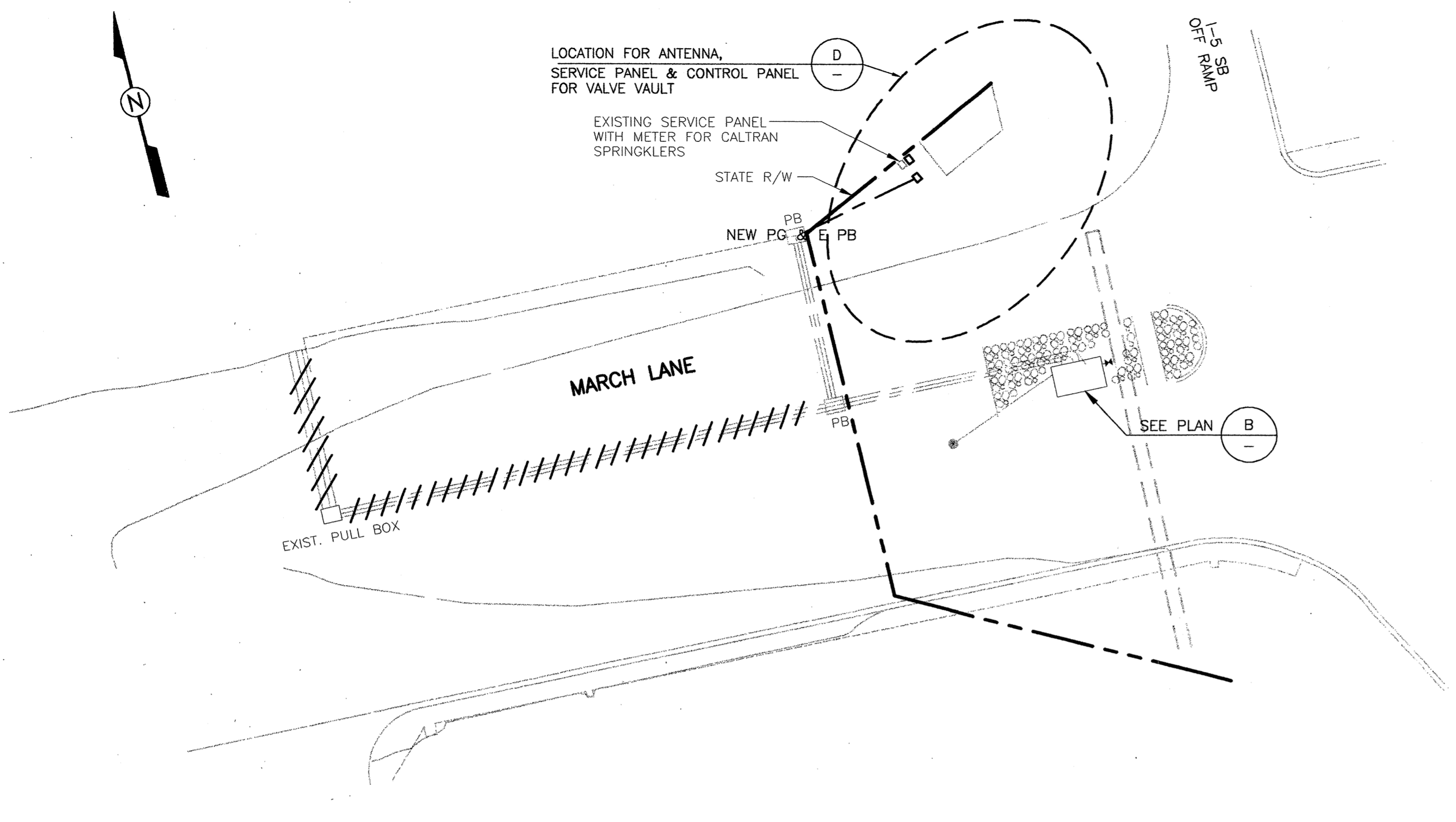
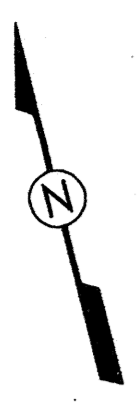
REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING

DISCIPLINE ENGINEER 	PROJECT ENGINEER 	PARTNER
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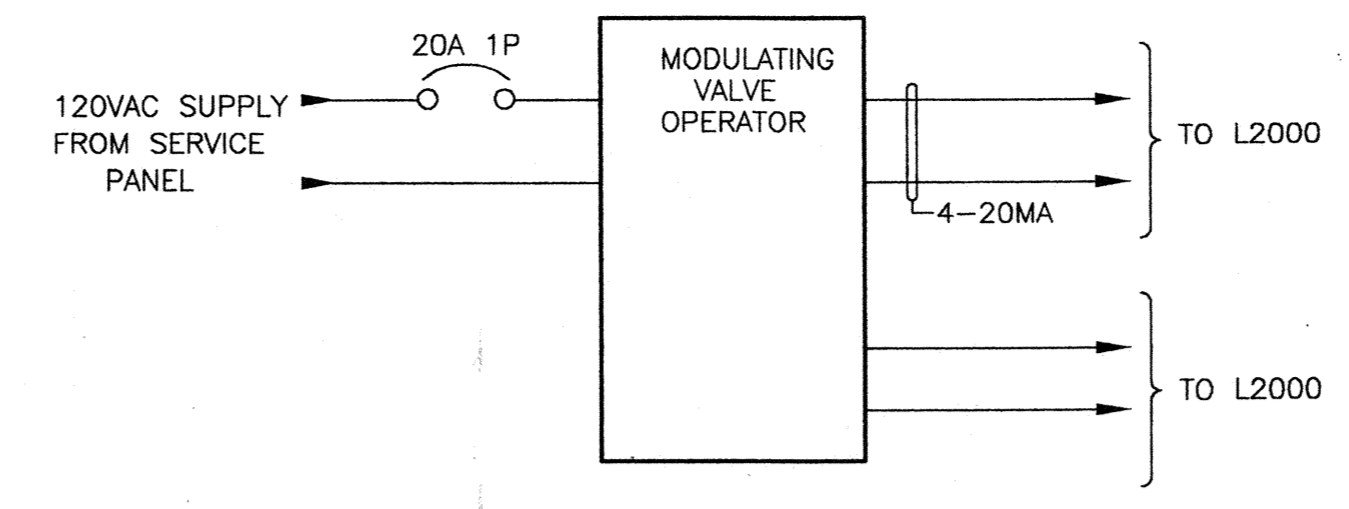


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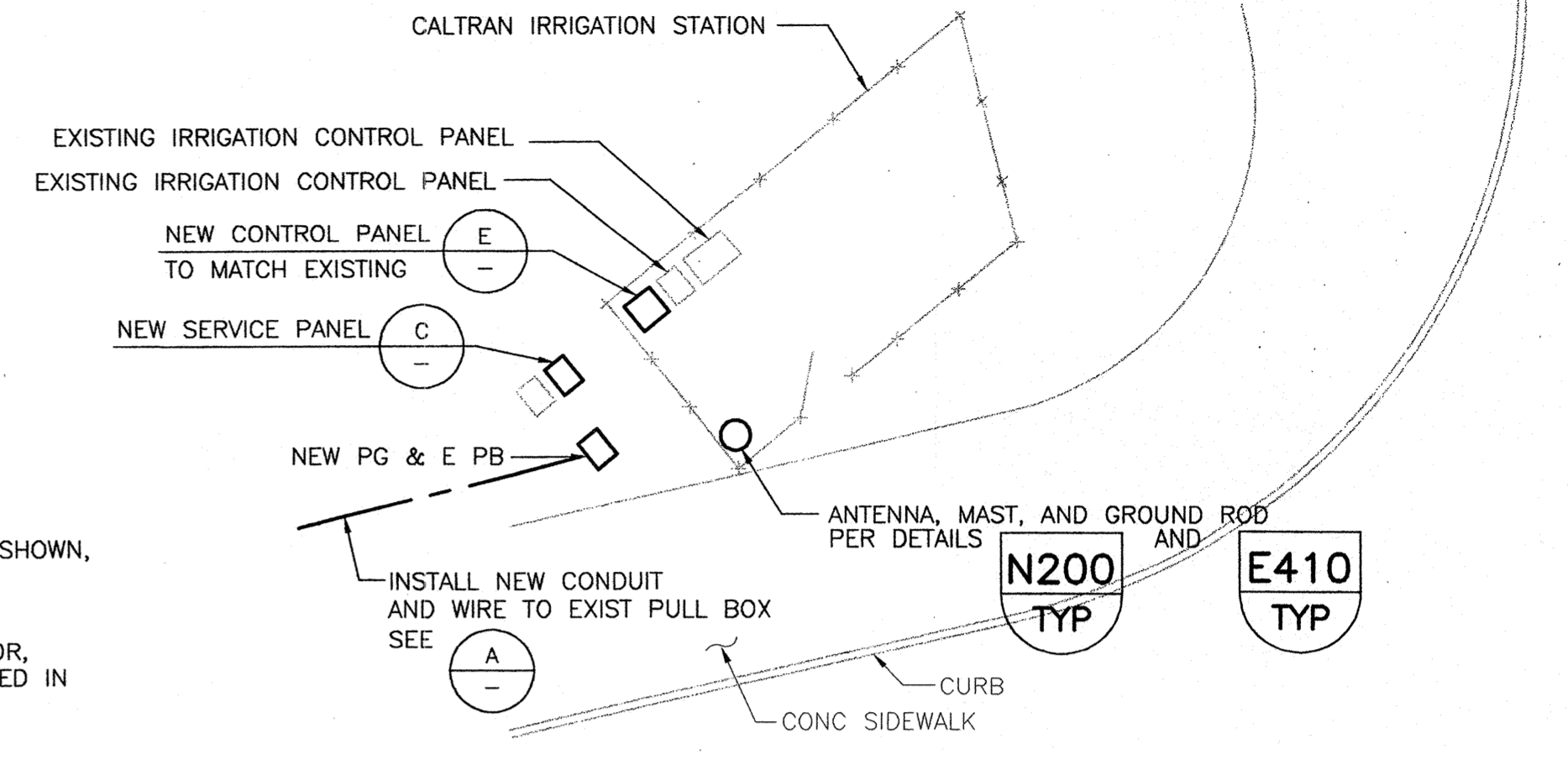
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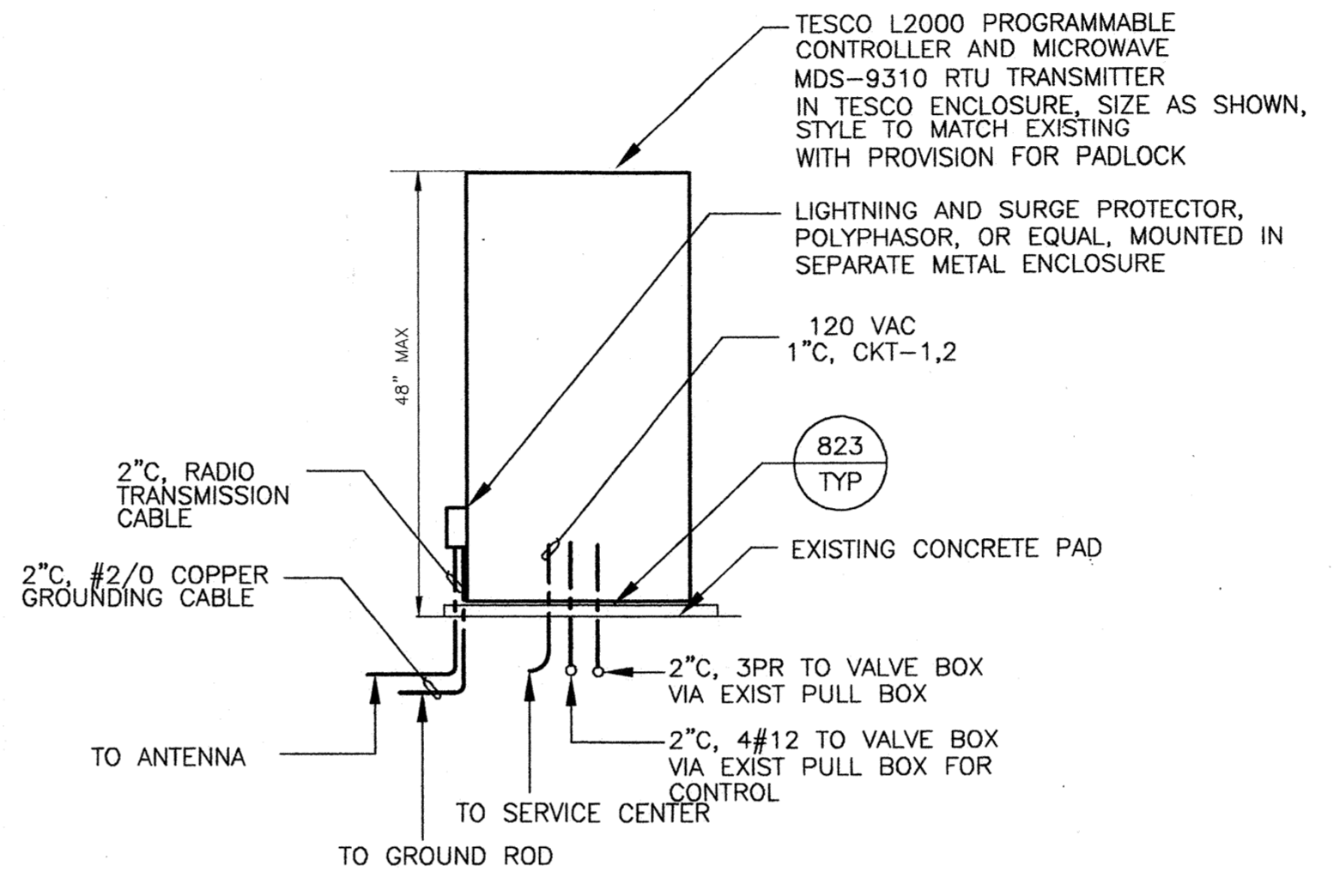
A SITE PLAN
NO SCALE



VALVE CONTROL SCHEMATIC
MOV-81
MOV-82

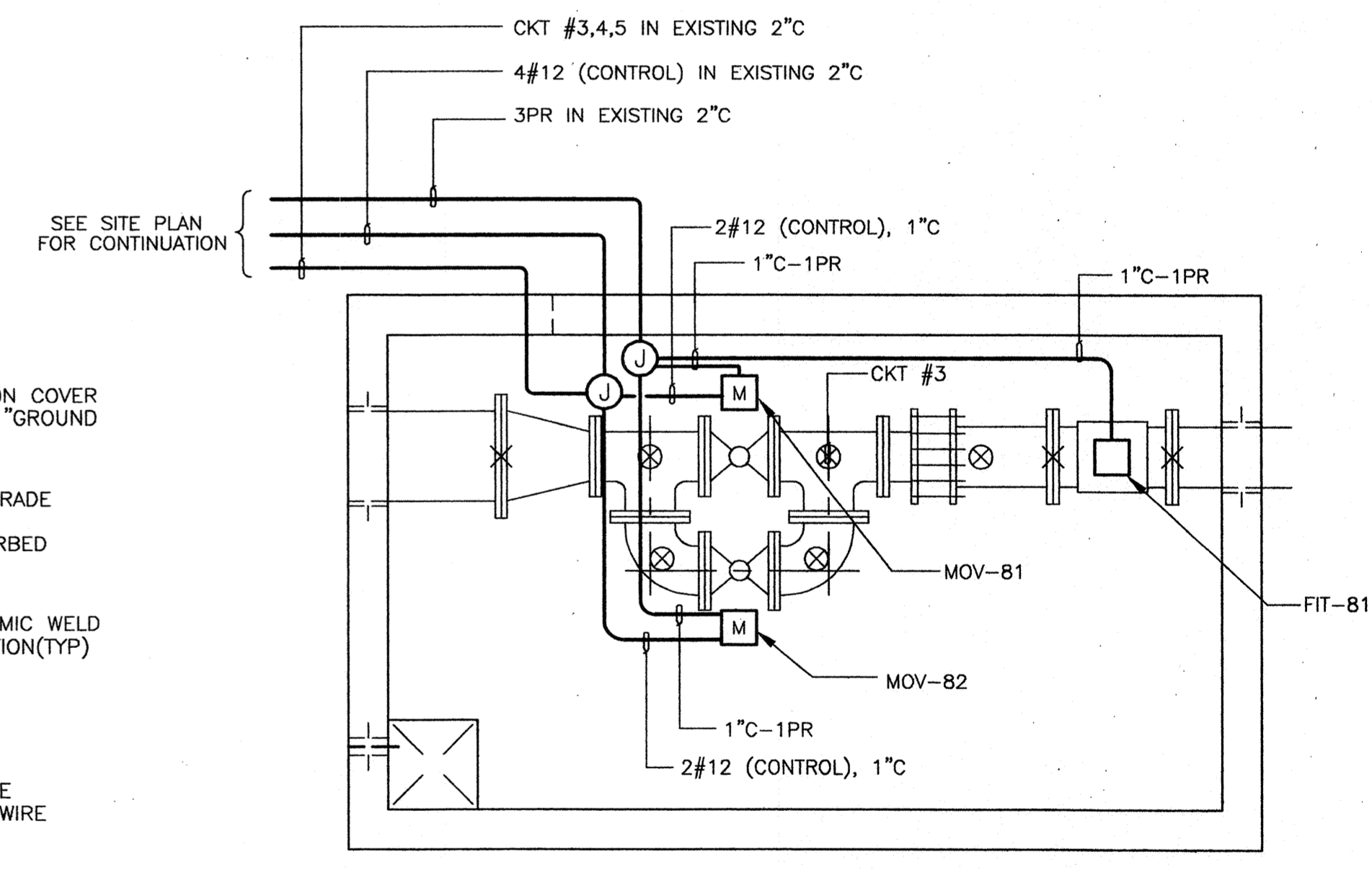


D SITE PLAN
1" = 10'



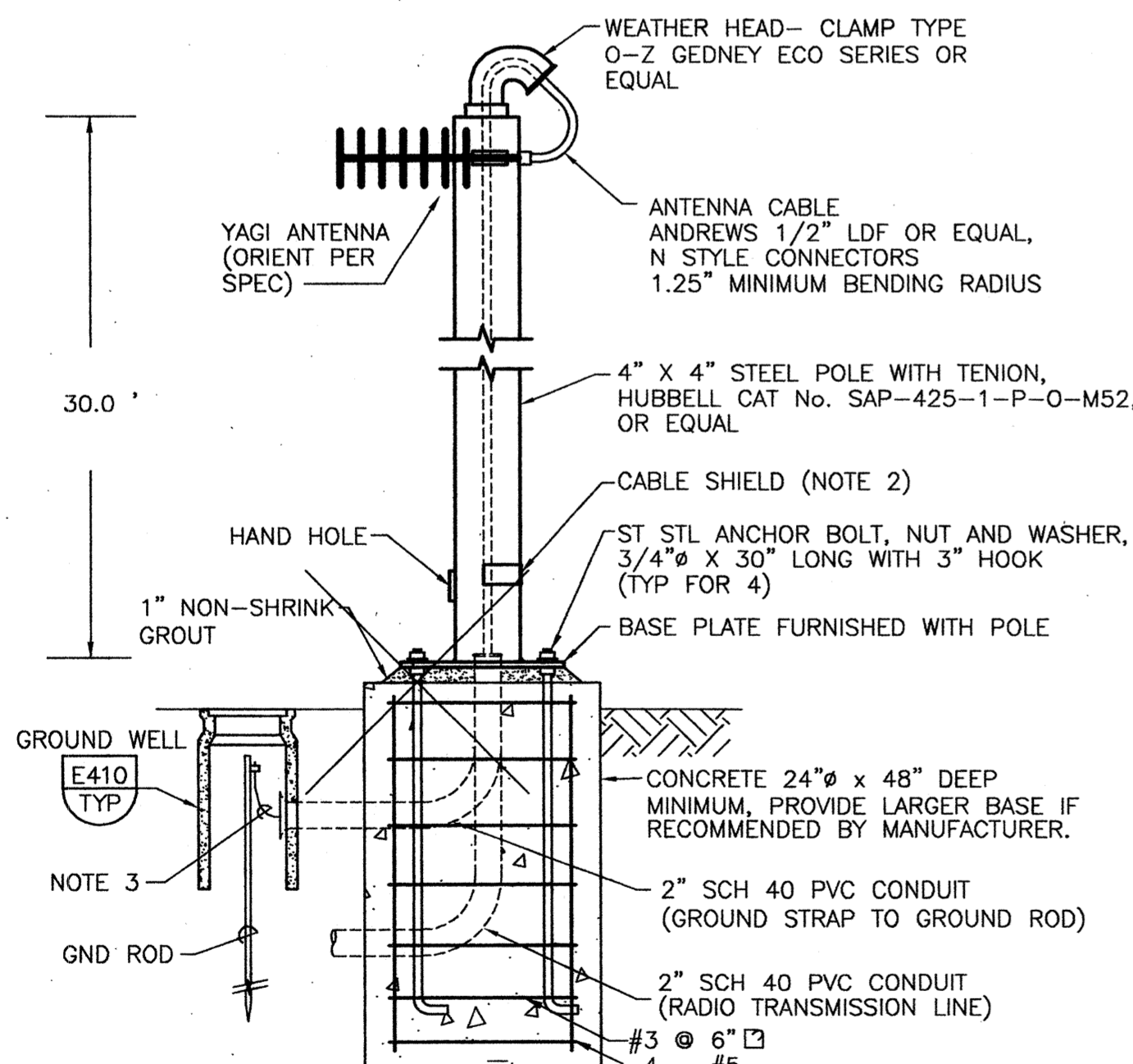
E CONTROL PANEL

- NOTES:**
- EQUIPMENT, ENCLOSURES, AND ARRESTORS SHALL BE MECHANICALLY BONDED TO GROUND CABLE.
 - ALL METAL TO METAL CONNECTIONS FOR GROUNDING SHALL BE PREPARED BY SANDING AND SHALL BE BARE METAL. AFTER THE CONNECTION AND INSPECTION REFINISH FOR CORROSION PROTECTION TO MATCH EXISTING CALTRAN PANEL.



B VALVE BOX PLAN
3/8" = 1'-0"
WESTK100

- NOTES:**
- UNDERGROUND CONDUIT FROM VALVE BOX TO PULL BOXES ARE EXISTING AND SHALL BE UTILIZED TO INSTALL WIRING BETWEEN VALVE BOX AND POWER PANEL PAD.
 - PROVIDE UNDERGROUND CONDUIT AND WIRING FROM SERVICE PANEL TO PULL BOX AS SHOWN.
 - SIGNAL TRANSMITTED TO BROOKSIDE PUMP STATION RTU RECEIVER.

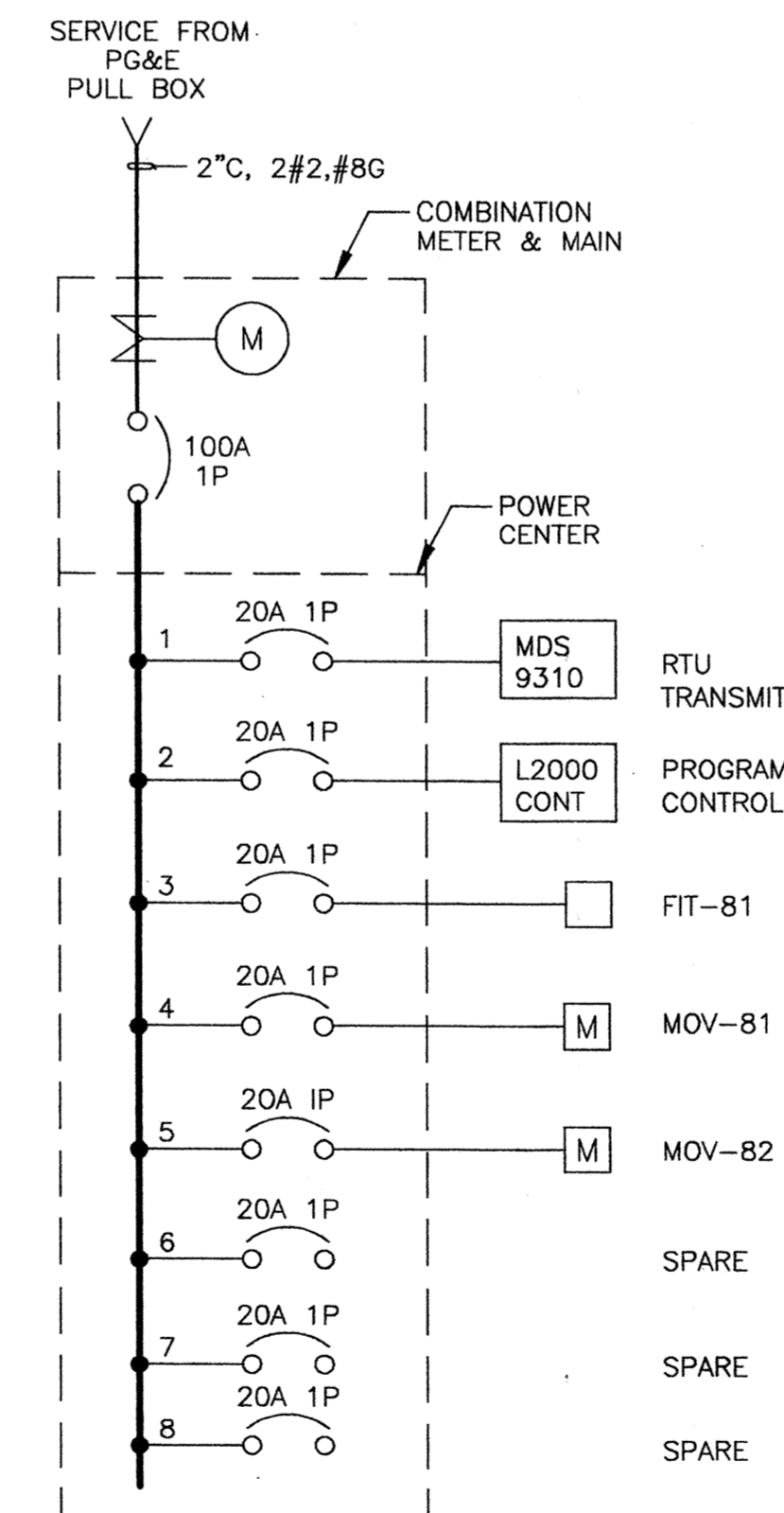


N200 ANTENNA MAST DETAIL - REMOTE STATION
TYP

- NOTES:**
- ANTENNA (EXCEPT ELEMENT AS REQUIRED) AND MAST SHALL BE MECHANICALLY BONDED TO POLE.
 - PROVIDE CABLE GROUNDING KIT (ANDREWS, POLYPHASOR, OR EQUAL) TO MECHANICALLY BOND RADIO TRANSMISSION CABLE SHIELD TO POLE.
 - PROVIDE CABLE GROUND CABLE IN CONDUIT FROM POLE TO GROUND ROD. MECHANICALLY BOND TO POLE AND EXOTHERMICALLY WELD TO GROUND ROD PER E410 TYP.
 - ALL METAL TO METAL CONNECTIONS FOR GROUNDING SHALL BE PREPARED BY SANDING AND SHALL BE BARE METAL. AFTER THE CONNECTION AND INSPECTION REFINISH FOR CORROSION PROTECTION TO MATCH FACTORY FINISH.
 - GROUND CABLE SHALL BE #2/0 COPPER.

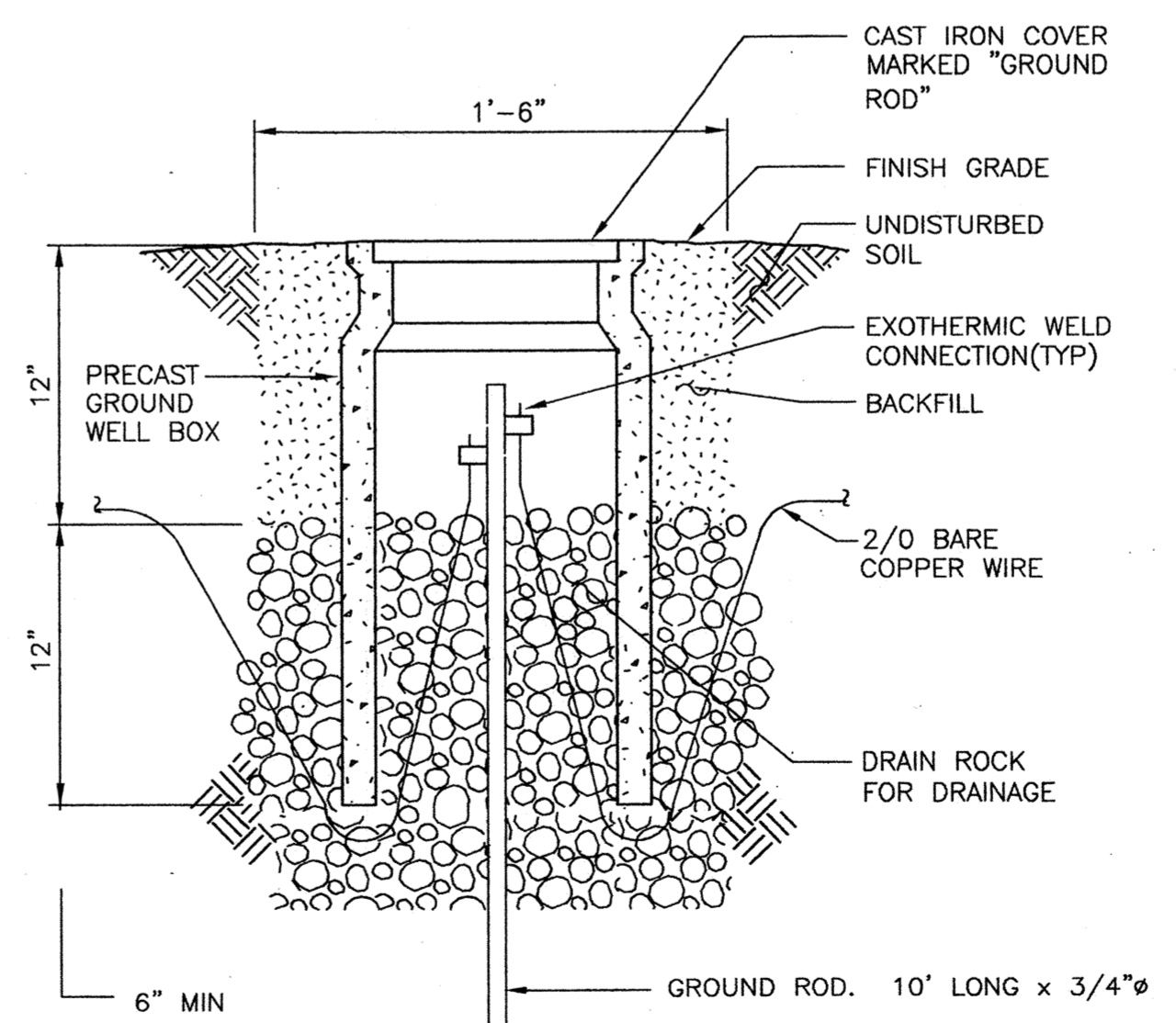
RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.



1Ø 120VAC PANELBOARD
(MOUNTED INSIDE OF TESCO SERVICE PANEL)

NOTE:
MINIMUM WIRE SIZE SHALL BE 2#12, 1#12 GND FOR EACH CIRCUIT UNLESS OTHERWISE NOTED.



E410 GROUND ROD
TYP

C SERVICE CENTER
N.T.S.

REV.	DATE	BY	DESCRIPTION

DISCIPLINE ENGINEER

**REVISED FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS**

PROJECT ENGINEER

PARTNER



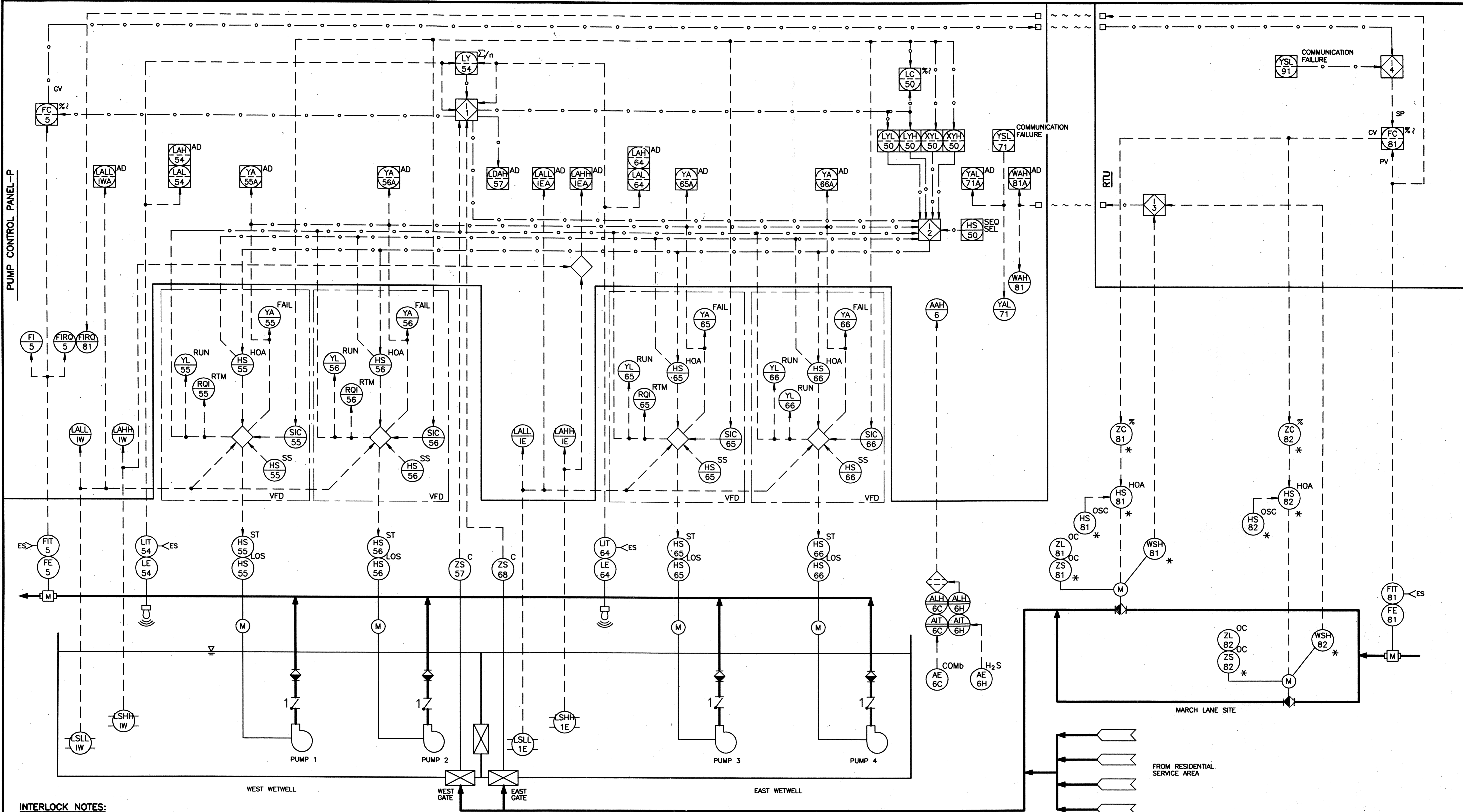
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

ELECTRICAL MARCH LANE VALVE BOX POWER PLAN

DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA

SCALE: AS NOTED	APPROVED BY: DATE:	DRAWING NO. BPSB-9R
DESIGNED: PK		SHEET NO. 66 OF 100
DRAWN: LS		JOB NO. 3385D.10
CHECKED: JA	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: RG		

H:\Final\Stockton_FNO\3385d10\AS-BUILT\Westk68R 03/23/00 07:50 rjortia_xrefes: BDR



INTERLOCK NOTES:

- I-1 A) BOTH GATES (EAST AND WEST) ARE NOT CLOSED:
 1. SELECTS AVERAGE OUTPUT FROM LIT-54 & LIT-64 AS PROCESS VARIABLE (PV) LEVEL AND PROVIDES OUTPUT TO LC-50.
 2. PROVIDES OUTPUT TO AUTODIALER IF DIFFERENCE BETWEEN LIT-54 AND LIT-64 EXCEEDS 3% OF AVERAGE VALUE.
- B) ONE OF THE GATES IS CLOSED:
 1. SELECTS LIT-54 OUTPUT AS PV AND PROVIDES COMMAND TO SEQUENCE CONTROLLER 1-2 TO STOP PUMPS #3 AND #4 AND PREVENTS THEM FROM AUTOMATIC START WHILE ZS-68 CONDITION EXISTS.
 2. SELECTS LIT-64 OUTPUT AS PV AND PROVIDES COMMAND TO SEQUENCE CONTROLLER 1-2 TO STOP PUMPS #1 & #2 AND PREVENTS THEM FROM AUTOMATIC START WHILE ZS-57 CONDITION EXISTS.
 3. PROVIDES COMMAND TO FLOW CONTROLLER FC-5 TO OPERATE WITH SET POINT FLOW FOR TWO PUMPS.
- I-2 SUBJECT TO PUMPS BEING IN AUTO MODE.
 - A) SEQUENCE CONTROLLER PROVIDES START THE NEXT PUMP IN SEQUENCE IF ANY OF THE FOLLOWING CONDITIONS OCCUR:
 - 1) RUNNING PUMP FAILS
 - 2) PUMP FAILS TO START
 - 3) CONTROL VARIABLE (CV) REACHES MAX VALUE (XYH CONDITION) AND PROCESS VARIABLE (PV) REACHES PRESET LOW VALUE (LYL CONDITION)
 - B) SEQUENCE CONTROLLER STOPS THE LAST PUMP IN SEQUENCE IF CV REACHES MIN VALUE (XYL CONDITION) AND PV REACHES PRESET HIGH VALUE (LYH CONDITION).
 - C) A MAXIMUM OF 3 PUMPS RUN SIMULTANEOUSLY AT ANY ONE TIME. FOURTH PUMP IS STANDBY.
- I-3 PROVIDES HIGH TORQUE ALARM OUTPUT WHILE ANY OF CONDITIONS WSH-81 OR WSH-82 EXIST.
- I-4 TRIPS SET POINT ADJUSTMENT OUTPUT FROM FC-51 AND PROVIDES LOCAL AUTO MODE FOR FC-8 WITH INITIAL FLOW SET POINT EQUAL 2 MGD.

NOTE:
* PART OF MOTORIZED VALVE PACKAGE.

DWG LAST EDITED BY: LML USEF LOGIN TIME: JULY 7, 1997 7:23 AM DWG LAST EDITED ON: 07/08/97 10:42:39
 DWG NAME: C:\STOCKTON\3385D\INTERCEPTOR.DWG
 XREFS: REF 1 CHP 1 IS 1 WAB 1 BHH 1

REV.	DATE	BY	DESCRIPTION
1/	2000	PE	RECORD DRAWING

DISCIPLINE ENGINEER

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. E8757
Exp. 6/30/00

PROJECT ENGINEER

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C50182
Exp. 3/31/01

PARTNER

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C20240
Exp. 3/31/00



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED UPON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

BROOKSIDE PUMP STATION
P&ID

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS NOTED	APPROVED BY: DATE: 8/21/97	DRAWING NO. BPSB-10
DESIGNED: LS	CITY ENGINEER STOCKTON, CALIF.	SHEET NO. 67 OF 100
DRAWN: WB		JOB NO. 3385D.10
CHECKED: JA	AS BUILT BY: PG	

4006.66 C_a

MECHANICAL EQUIP. SYMBOLS	VALVE AND GATE SYMBOLS	PRIMARY ELEMENT SYMBOLS	LINE SYMBOLS	INSTRUMENT OR FUNCTION SYMBOLS
ELECTRIC MOTOR (NOTE 3) PUMP: SUBMERSIBLE	VALVE: GATE VALVE: GLOBE VALVE: BALL VALVE: BUTTERFLY VALVE: PLUG CONCENTRIC VALVE: PLUG ECCENTRIC	BUBBLER TUBE BUBBLER ASSEMBLY LEVEL PROBE(S) ULTRASONIC LEVEL MAGNETIC FLOWMETER FLOAT TYPE LEVEL SWITCH ROTAMETER	MAJOR PROCESS PIPING OR FLOW CHANNEL SECONDARY OR MISCELLANEOUS PROCESS PIPING INSTRUMENT SUPPLY OR CONNECTION TO PROCESS ELECTRIC SIGNAL SOFTWARE OR DATALINK HYDRAULIC SIGNAL PNEUMATIC SIGNAL CAPILLARY TUBING ELECTROMAGNETIC OR SONIC SIGNAL (UNGUIDED) INSTRUMENTATION SIGNAL LINES: CONNECTION AND CROSSOVER PROCESS FLOW ARROW PROCESS LINES: CONNECTION AND CROSSOVER CONTINUATION DRAWING REFERENCES (PROCESS AND INSTRUMENTATION) FUTURE (IN LIEU OF SOLID) EXISTING (SCREENED) PHANTOM (MAIN INSTRUMENT SHOWN ON OTHER DRAWING) SIGNAL CONNECTION TO RADIO TRANSCEIVER	CCC—FUNCTION DESIGNATORS (AS REQUIRED) TAG NUMBER (SEE BELOW) NOTE—TYPE OR OPERATIONAL INFO (AS REQ'D) AAAAAA—NNNA INSTRUMENT TAG NUMBER UNIT NUMBER LOOP NUMBER INSTR./FUNCTION IDENTIFICATION LETTERS (SEE TABLE) SINGLE FUNCTION NON—PROGRAMMABLE MULTIFUNCTION INSTRUMENT SHARED DISPLAY/CONTROL FUNCTION (EG. WITHIN PLC SYSTEM) NON—PROGRAMMABLE LOGIC (NN=INTERLOCK NOTE REF.) PROGRAMMABLE LOGIC (EG. PLC) (NN=INTERLOCK NOTE REF.) BARS DIVIDING ABOVE SYMBOLS NONE FIELD LOCATION FIELD CONTROL PANEL (AUX. LOCATION) OPERATOR ACCESSIBLE AUXILIARY LOCATION, OPERATOR INACCESSIBLE PRIMARY LOCATION, OPERATOR ACCESSIBLE PRIMARY LOCATION, OPERATOR INACCESSIBLE

VALVE AND GATE ACTUATOR SYMBOLS	MISCELLANEOUS SYMBOLS	INSTRUMENTATION FUNCTION DESIGNATORS	PROCESS LINE CODES																																																
SOLENOID ELECTRIC MOTOR OPERATOR (NOTE 3) ELECTROHYDRAULIC FLOAT SLIDE GATE ACTUATOR WITH MANUAL RESET ACTUATOR WITH POSITIONER THE FOLLOWING ADDITIONAL DESIGNATIONS MAY BE UTILIZED ADJACENT TO SOME VALVE OR GATE SYMBOLS. NO NORMALLY OPEN NC NORMALLY CLOSED FC FAILS CLOSED FO FAILS OPEN FIP FAILS IN LAST POSITION LO LOCK OPEN LC LOCK CLOSE		<table border="0"> <tr> <td>Δ DIFFERENCE</td> <td>Σ/n AVERAGING</td> </tr> <tr> <td>÷ DIVIDING</td> <td>∨ HIGH SELECTING</td> </tr> <tr> <td>× MULTIPLYING</td> <td>∧ LOW SELECTING</td> </tr> <tr> <td>√ ROOT EXTRACTION</td> <td>∩ HIGH LIMITING</td> </tr> <tr> <td>Σ SUMMING</td> <td>∩ LOW LIMITING</td> </tr> <tr> <td>% PROPORTIONAL CONTROL ACTION</td> <td></td> </tr> <tr> <td>∫ INTEGRAL CONTROL ACTION</td> <td></td> </tr> <tr> <td>d/dt DERIVATIVE CONTROL ACTION</td> <td></td> </tr> <tr> <td>1-0 ON-OFF CONTROL ACTION</td> <td></td> </tr> <tr> <td>Δ1-0 DIFFERENTIAL GAP CONTROL ACTION</td> <td></td> </tr> </table> <table border="0"> <tr> <td>AD AUTODIALER</td> <td>OC OPEN—CLOSE</td> </tr> <tr> <td>AUTO AUTOMATIC</td> <td>OL OVERLOAD</td> </tr> <tr> <td></td> <td>OO ON—OFF</td> </tr> <tr> <td>C CLOSED</td> <td>OSC OPEN—STOP—CLOSE</td> </tr> <tr> <td>CV CONTROL VARIABLE</td> <td>PV PROCESS VARIABLE</td> </tr> <tr> <td>DUR DURATION</td> <td>REM REMOTE</td> </tr> <tr> <td>ES ELECTRIC SUPPLY</td> <td>RTM RUNNING TIME METER</td> </tr> <tr> <td>HOA HAND—OFF—AUTO</td> <td>RUN RUN</td> </tr> <tr> <td>LOS LOCKOUT STOP</td> <td>SEQ. SEL. SEQUENCE SELECTOR</td> </tr> <tr> <td>LR LOCAL—REMOTE</td> <td>SLOS START—LOCKOUT STOP</td> </tr> <tr> <td>MA MANUAL—AUTO</td> <td>SP SET POINT</td> </tr> <tr> <td>MAN MANUAL</td> <td>STP STOP</td> </tr> <tr> <td>O OPEN</td> <td>SS START—STOP</td> </tr> <tr> <td></td> <td>ST START</td> </tr> </table>	Δ DIFFERENCE	Σ/n AVERAGING	÷ DIVIDING	∨ HIGH SELECTING	× MULTIPLYING	∧ LOW SELECTING	√ ROOT EXTRACTION	∩ HIGH LIMITING	Σ SUMMING	∩ LOW LIMITING	% PROPORTIONAL CONTROL ACTION		∫ INTEGRAL CONTROL ACTION		d/dt DERIVATIVE CONTROL ACTION		1-0 ON-OFF CONTROL ACTION		Δ1-0 DIFFERENTIAL GAP CONTROL ACTION		AD AUTODIALER	OC OPEN—CLOSE	AUTO AUTOMATIC	OL OVERLOAD		OO ON—OFF	C CLOSED	OSC OPEN—STOP—CLOSE	CV CONTROL VARIABLE	PV PROCESS VARIABLE	DUR DURATION	REM REMOTE	ES ELECTRIC SUPPLY	RTM RUNNING TIME METER	HOA HAND—OFF—AUTO	RUN RUN	LOS LOCKOUT STOP	SEQ. SEL. SEQUENCE SELECTOR	LR LOCAL—REMOTE	SLOS START—LOCKOUT STOP	MA MANUAL—AUTO	SP SET POINT	MAN MANUAL	STP STOP	O OPEN	SS START—STOP		ST START	
Δ DIFFERENCE	Σ/n AVERAGING																																																		
÷ DIVIDING	∨ HIGH SELECTING																																																		
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Δ1-0 DIFFERENTIAL GAP CONTROL ACTION																																																			
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	OO ON—OFF																																																		
C CLOSED	OSC OPEN—STOP—CLOSE																																																		
CV CONTROL VARIABLE	PV PROCESS VARIABLE																																																		
DUR DURATION	REM REMOTE																																																		
ES ELECTRIC SUPPLY	RTM RUNNING TIME METER																																																		
HOA HAND—OFF—AUTO	RUN RUN																																																		
LOS LOCKOUT STOP	SEQ. SEL. SEQUENCE SELECTOR																																																		
LR LOCAL—REMOTE	SLOS START—LOCKOUT STOP																																																		
MA MANUAL—AUTO	SP SET POINT																																																		
MAN MANUAL	STP STOP																																																		
O OPEN	SS START—STOP																																																		
	ST START																																																		

INSTRUMENT IDENTIFICATION LETTERS				
FIRST-LETTER		SUCCEEDING-LETTERS		
MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A ANALYSIS		ALARM		
B BURNER, COMBUSTION		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
C USER'S CHOICE			CONTROL	
D USER'S CHOICE	DIFFERENTIAL			
E VOLTAGE		SENSOR (PRIM. ELEMENT)		
F FLOW RATE	RATIO(FRACTION)			
G USER'S CHOICE		GLASS, VIEWING DEVICE		
H HAND				HIGH
I CURRENT (ELEC.)		INDICATE		
J POWER	SCAN			
K TIME SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L LEVEL		LIGHT		LOW
M USER'S CHOICE	MOMENTARY			MIDDLE
N USER'S CHOICE		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
O USER'S CHOICE		ORIFICE, RESTRICTION		
P PRESSURE, VACUUM.		POINT (TEST) CONNECTION		
Q QUANTITY	INTEGRATE, TOTALIZE			
R RADIATION		RECORD		
S SPEED, FREQUENCY	SAFETY		SWITCH	
T TEMPERATURE			TRANSMIT	
U MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V VIBRATION, MECH. ANALYSIS			VALVE, DAMPER LOUVER	
W WEIGHT, FORCE		WELL		
X UNCLASSIFIED	X AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y EVENT, STATE OR PRESENCE	Y AXIS		RELAY, COMPUTE, CONVERT	
Z POSITION, DIMENSION	Z AXIS		DRIVER, ACTUATOR UNCLASS. FINAL CONTROL ELEMENT	

- GENERAL NOTES:**
- INSTRUMENTATION SYMBOLS AND IDENTIFICATION ARE BASED ON ISA STANDARDS S5.1 (1984) AND S5.3 (1983).
 - INSTRUMENT LOOP NUMBERING WITH RESPECT TO THE FIRST LETTER FOLLOWS A SERIAL RELATIONSHIP.
 - UNLESS OTHERWISE NOTED, THE (M) SYMBOL REPRESENTS THE MOTOR AND ITS CONTROL CIRCUIT WITH STANDARD CONTROL DEVICES APPROPRIATE TO ITS SERVICE (eg. LOCAL CONTROL STATIONS, MOTOR STARTERS, MCC CONTROL STATIONS). ADDITIONAL NON-STANDARD CONTROLS ARE SHOWN EXTERNAL TO THE (M) SYMBOL.
 - ELECTRIC SIGNALS SHOWN BY CONNECTING DASHED LINES BETWEEN DEVICES ON THE DRAWING DO NOT NECESSARILY REPRESENT A SINGLE PAIR OF WIRES OR INSTRUMENTATION CABLES. REFER TO ALL WIRING DIAGRAMS, CONTROL SCHEMATICS AND THE SPECIFICATIONS FOR ACTUAL NUMBER OF PAIRS OR CABLES REQUIRED.
 - PROCESS DETAILS ARE SCHEMATIC AND MAY NOT ACCURATELY REFLECT THE REQUIREMENTS. ALL PHYSICAL DATA SHALL BE TAKEN FROM DETAILED DRAWINGS WHICH, IN THE EVENT OF CONFLICT, SHALL PREVAIL.
 - REFER TO ELECTRICAL DRAWINGS (CONTROL WIRING DIAGRAMS) FOR EXACT I/O CONNECTIONS TO RESPECTIVE CONTROL CIRCUIT AND FOR EXACT QUANTITY OF DEVICES LOCATED IN MOTOR CONTROL CENTER.
 - EQUIPMENT PACKAGE INSTRUMENTATION MAY NOT BE SHOWN IN FULL DETAIL FOR FULL DETAILS REFER TO THE EQUIPMENT PACKAGE SPECIFICATION.

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
BROOKSIDE PUMP STATION
P&ID
LEGEND AND GENERAL NOTES
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: NONE	APPROVED BY: <i>RPW</i>	DRAWING NO. BPSB-11
DESIGNED: JL	DATE: <i>5/20/07</i>	SHEET NO. 68 OF 100
DRAWN: WB	<i>Walter A. Bishop</i>	JOB NO. 33850.10
CHECKED: JA	CITY ENGINEER	
AS BUILT BY: PG	STOCKTON, CALIF.	

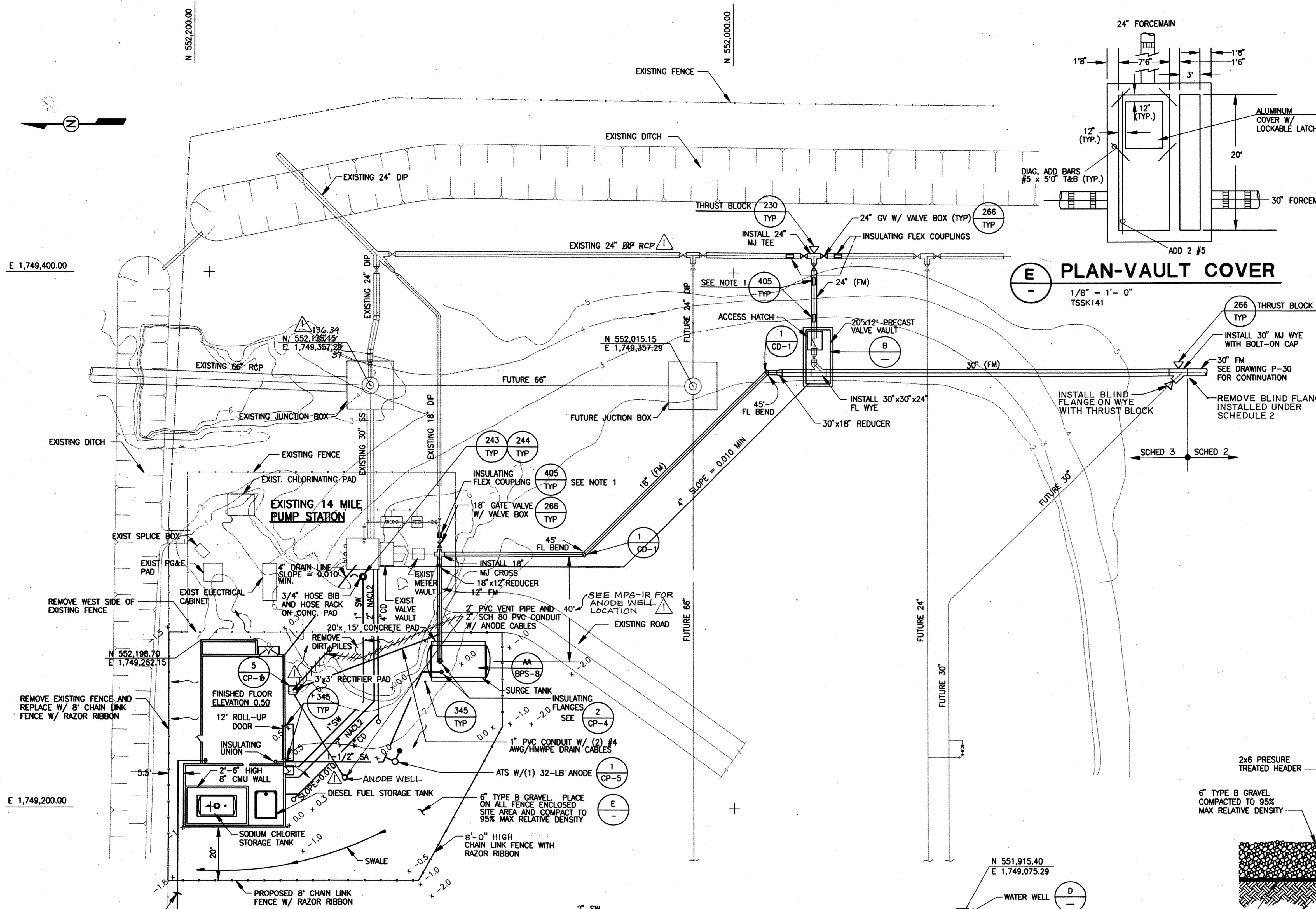
REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER



DWG LAST EDITED BY: EPAT USER LOGIN TIME: JULY 9 1997 7:18 AM DWG LAST EDITED ON: 07/09/97 09:21:07
 DWG NAME: G:\STOCKTON\33850\0\WISK001.DWG XREFS: BRB | CHP | 19 | WAB | BEH | 1

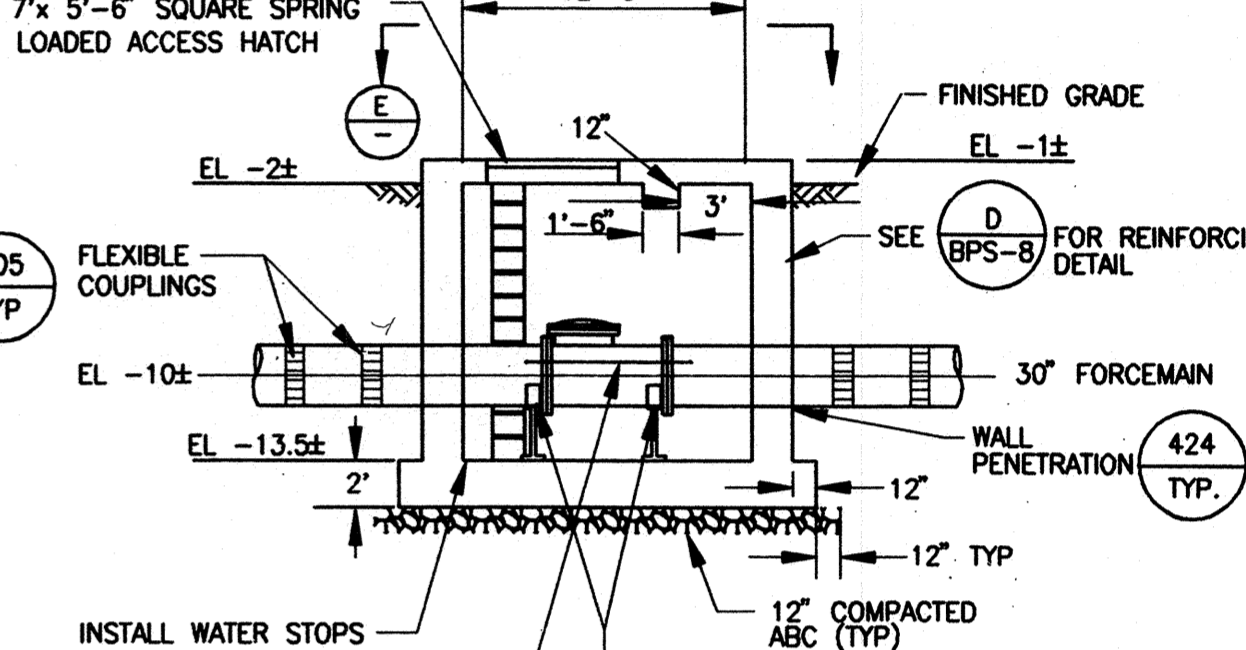
4006.67Ca



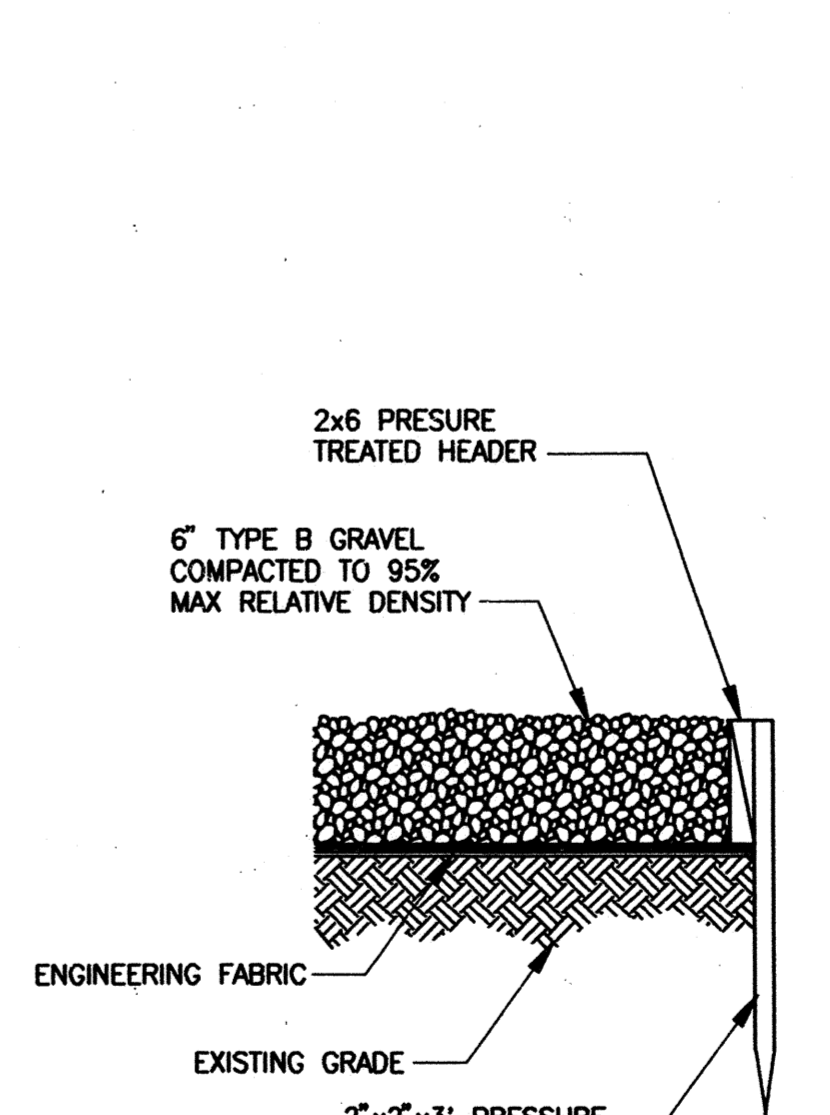
A SITE PLAN
SCALE 1" = 20'
TSSK101

E PLAN-VAULT COVER
1/8" = 1' - 0"
TSSK141

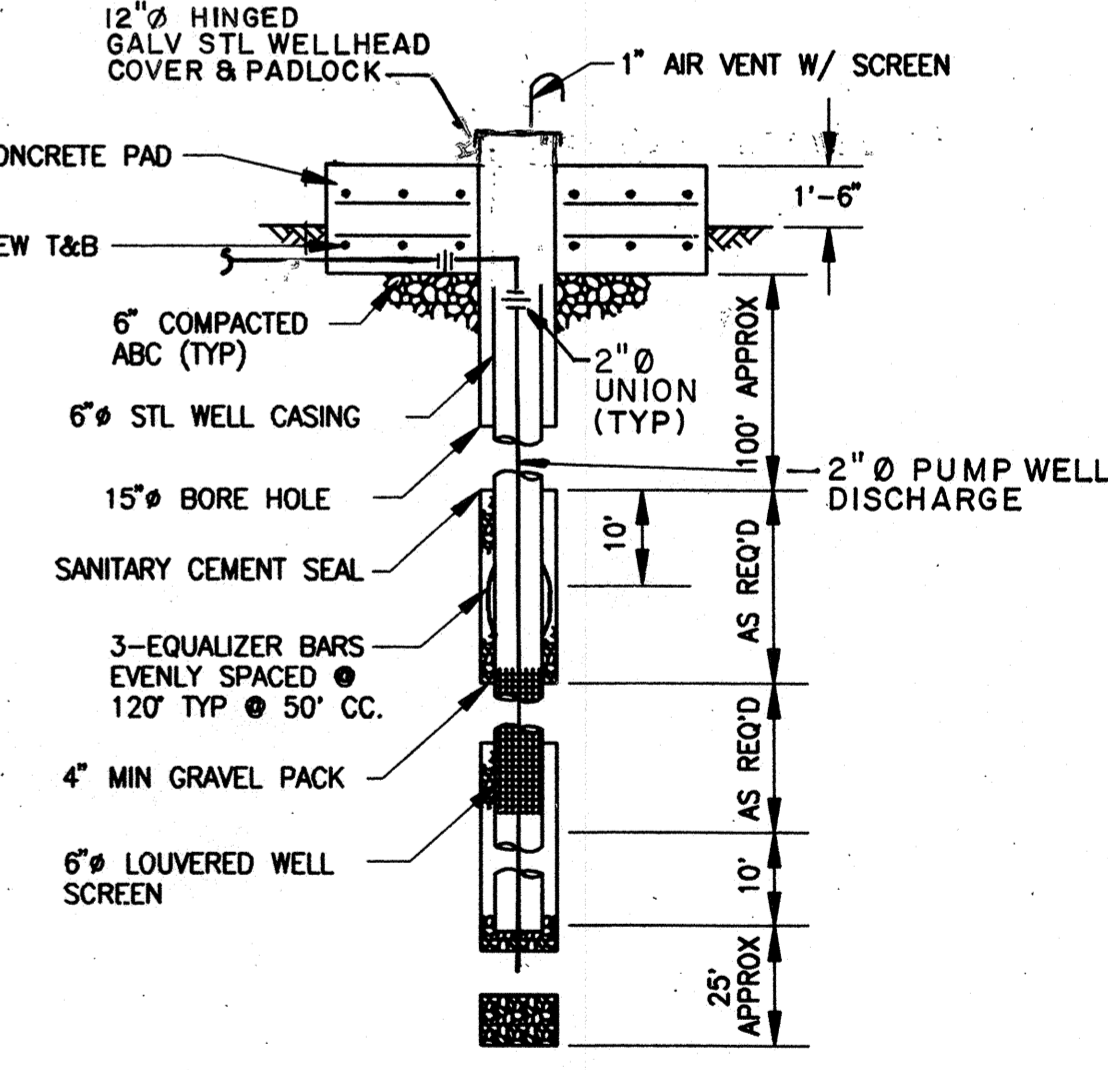
B VALVE VAULT DETAIL
1/8" = 1' - 0"
TSSK109



C VALVE VAULT SECTION
1/8" = 1' - 0"
TSSK110



E SECTION
NOT TO SCALE
TSSK137



D SECTION
NOT TO SCALE
TSSK136

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
INTERIM 14 MILE PUMP STATION MODIFICATIONS - SITE PLAN
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DRAWING NO. MPS-1
DESIGNED: M.P.	DATE: 4/1/02	SHEET NO. 69 OF 100
DRAWN: D.S.	CITY ENGINEER	JOB NO. 3385D.10
CHECKED: M.P.	STOCKTON, CALIF.	
AS BUILT BY: PG		

- NOTE:**
- CONTRACTOR SHALL COORDINATE CONNECTIONS TO EXISTING PIPING WITH THE OWNER. THE OWNER WILL OPERATE VALVES AND PUMPS AS NEEDED FOR CONNECTIONS. THE CONTRACTOR SHALL PROVIDE DEWATERING AND DISPOSAL FACILITIES AS NECESSARY TO PREVENT SEWAGE FROM ENTERING THE EXCAVATION OR NEARBY WATERCOURSES.
 - SEE SHEET MPS-2 THROUGH MPS-10 FOR EQUIPMENT BUILDING PLAN, SECTIONS AND DETAILS.

REV.	DATE	BY	DESCRIPTION

DISCIPLINE ENGINEER
[Signature]
REGISTERED PROFESSIONAL ENGINEER
MICHAEL T. PETERSON
No. C20240
Exp. 3-31-08
CIVIL
STATE OF CALIFORNIA

PROJECT ENGINEER
[Signature]
REGISTERED PROFESSIONAL ENGINEER
BARRY E. HAMMOND
No. C50182
Exp. 6/29/01
CIVIL
STATE OF CALIFORNIA

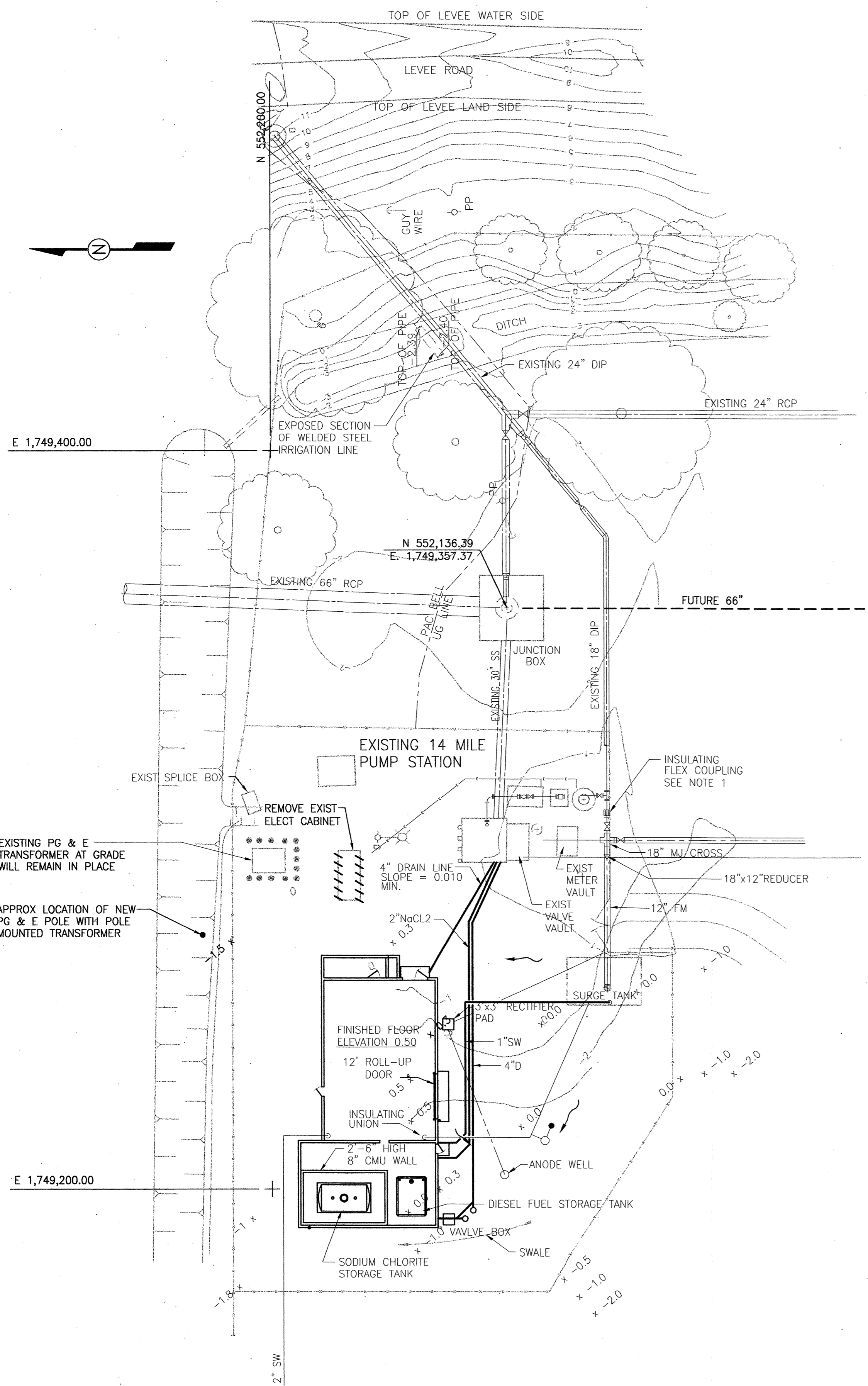
PARTNER
[Signature]
REGISTERED PROFESSIONAL ENGINEER
WALTER A. BISHOP
No. C20240
Exp. 3/31/01
CIVIL
STATE OF CALIFORNIA

THOMPSON-HYSELL ENGINEERS, INC.

CAROLLO engineers

DWG NAME: P:\STOCKTON\167700\TSSK067.DWG
XREFS: TSSK101, TSSK109, TSSK110, TSSK136, TSSK137, TSSK141

4006.680a



A PLAN (REVISED)
 1" = 20'

H:\Final\Stockton_FNO\3385d\10\AS-BUILT\Fempsr1R_03/27/00_14:27_rgiarta_XREFS.BDR

REV.	DATE	BY	DESCRIPTION
3/00		BEH	RECORD DRAWING

DISCIPLINE ENGINEER
 PROJECT ENGINEER
 PARTNER

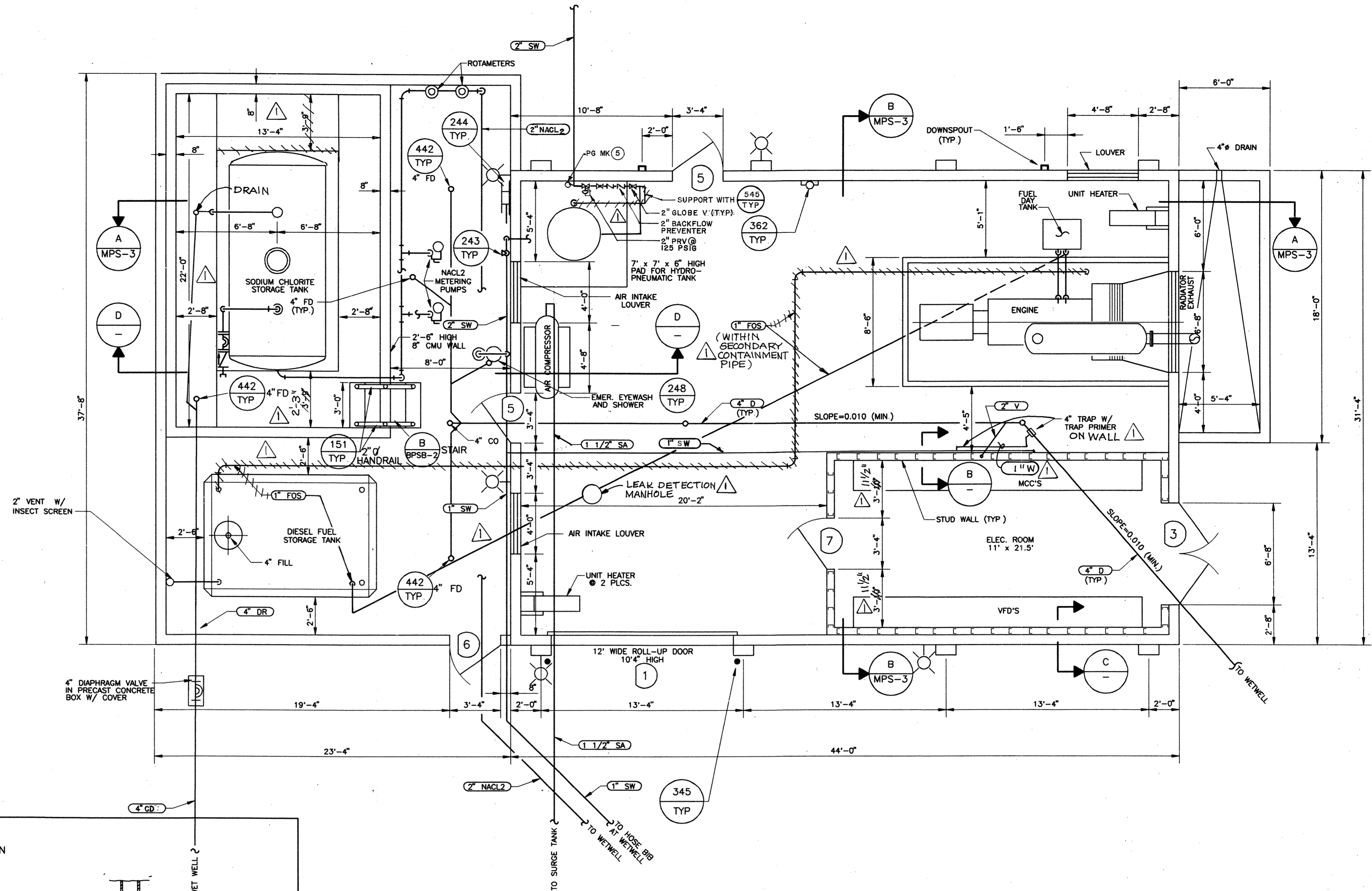
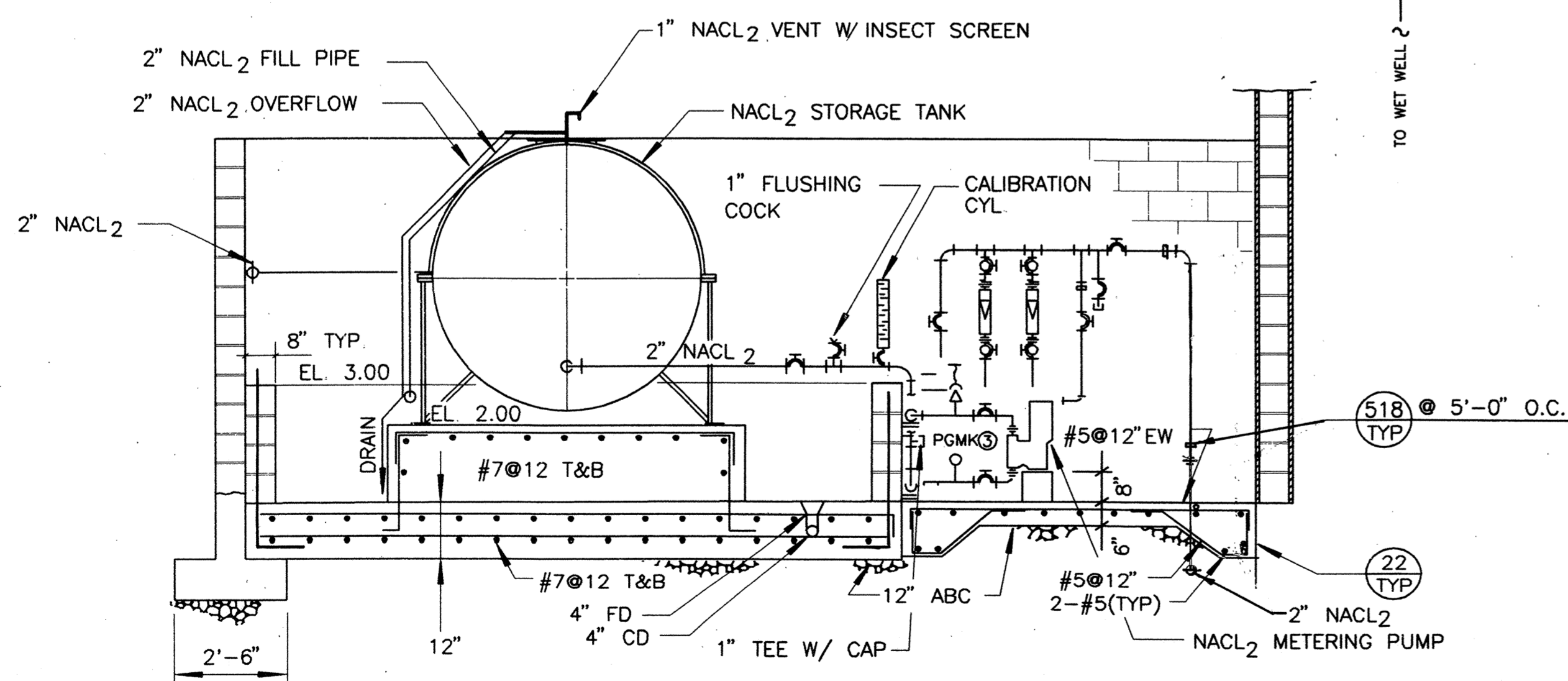
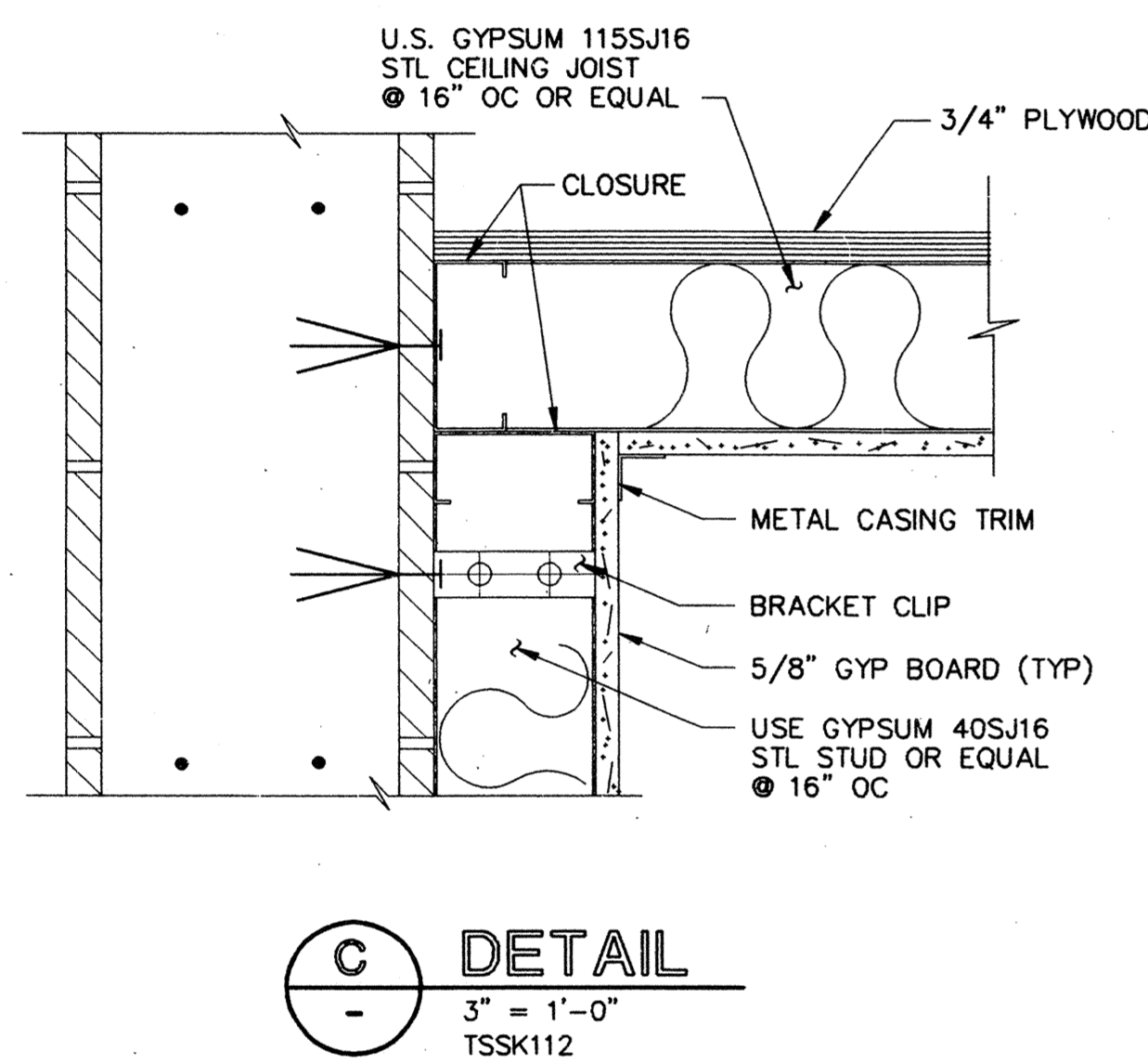
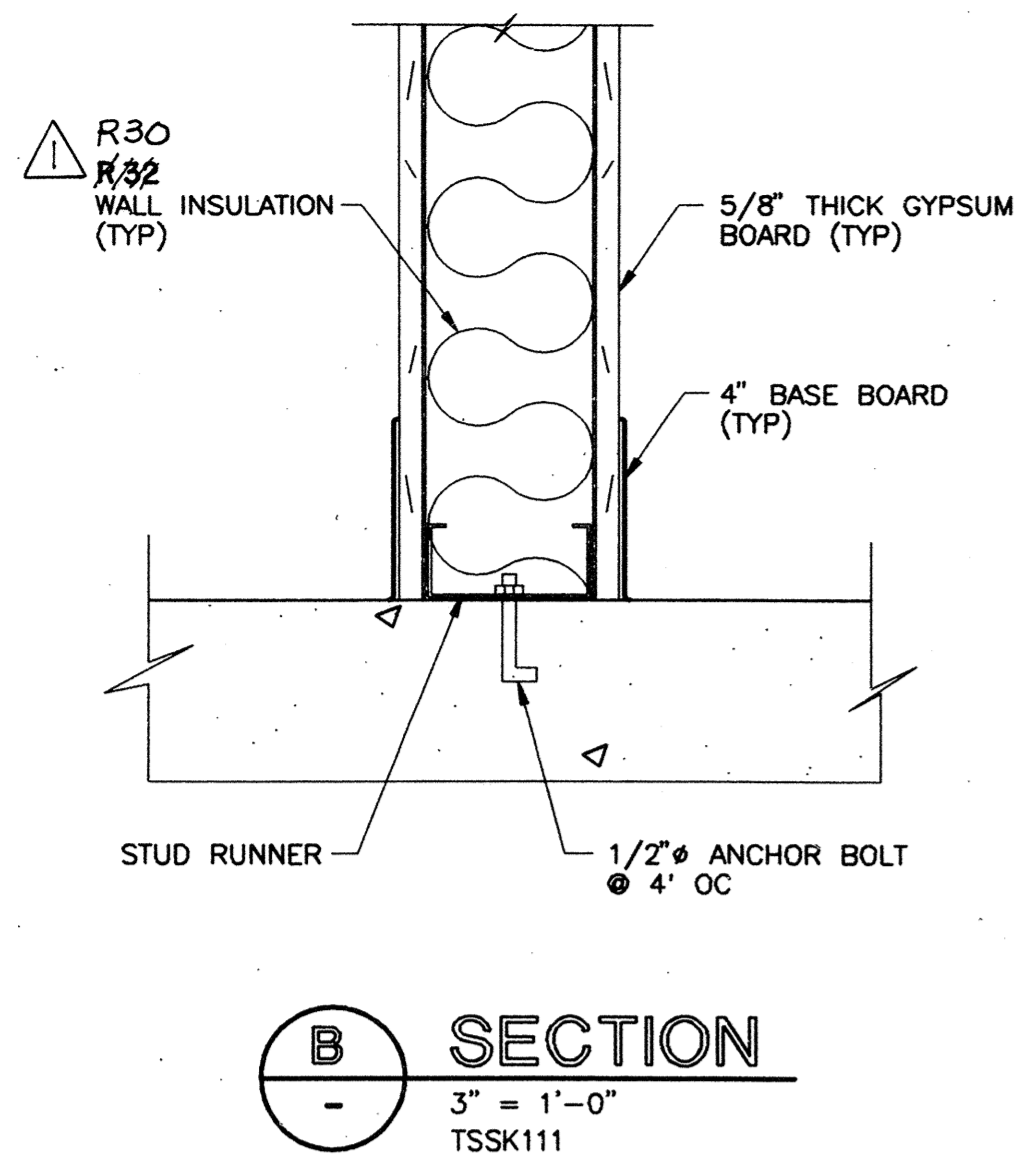
REVISOR FOR RECORD
 SEE ORIGINAL FOR SIGNED STAMPS



RECORD DRAWINGS

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS	
RFP No. 23 14 MILE PUMP STATION FLOOD PROOFING	
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA	
SCALE: AS NOTED	DRAWING NO. MPS-1R
DESIGNED: BEH/BS	SHEET NO. 69A OF 100
DRAWN: RG	JOB NO. 3385D.10
CHECKED: BS	CITY ENGINEER STOCKTON, CALIF.
AS BUILT BY: RG	



RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS			
INTERIM 14 MILE PUMP STATION MODIFICATIONS - FLOOR PLAN			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: <i>R.P.W.</i>	DATE: 8/21/11	DRAWING NO. MPS-2
DESIGNED: M.P.			SHEET NO. 70 OF 100
DRAWN: D.S.			JOB NO. 3385D.10
CHECKED: M.P.			
AS BUILT BY: PG	CITY ENGINEER STOCKTON, CALIF.		

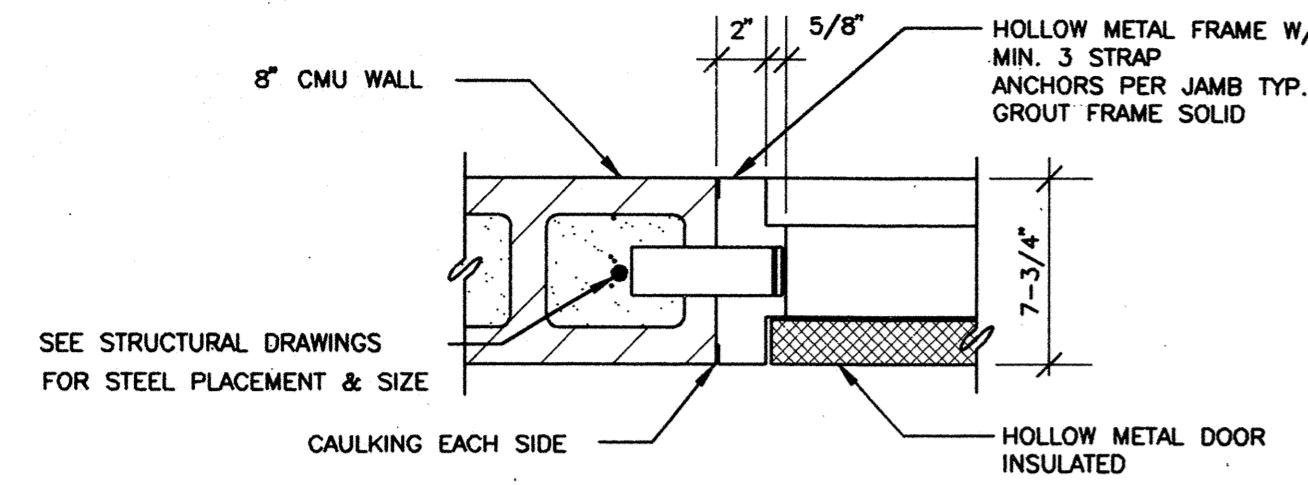
DISCIPLINE ENGINEER	REGISTERED PROFESSIONAL ENGINEER NOAH L. PETERSON No. 44908 Exp. 3-31-08 CIVIL STATE OF CALIFORNIA
PROJECT ENGINEER	REGISTERED PROFESSIONAL ENGINEER BARRY C. HANSEN No. C50182 Exp. 2/28/07 CIVIL STATE OF CALIFORNIA
PARTNER	REGISTERED PROFESSIONAL ENGINEER ANTHONY A. BISHOP No. C20240 Exp. 2/28/07 CIVIL STATE OF CALIFORNIA
DATE	11/2000
BY	PG
DESCRIPTION	RECORD DRAWING

THOMPSON-HYSELL ENGINEERS, INC.

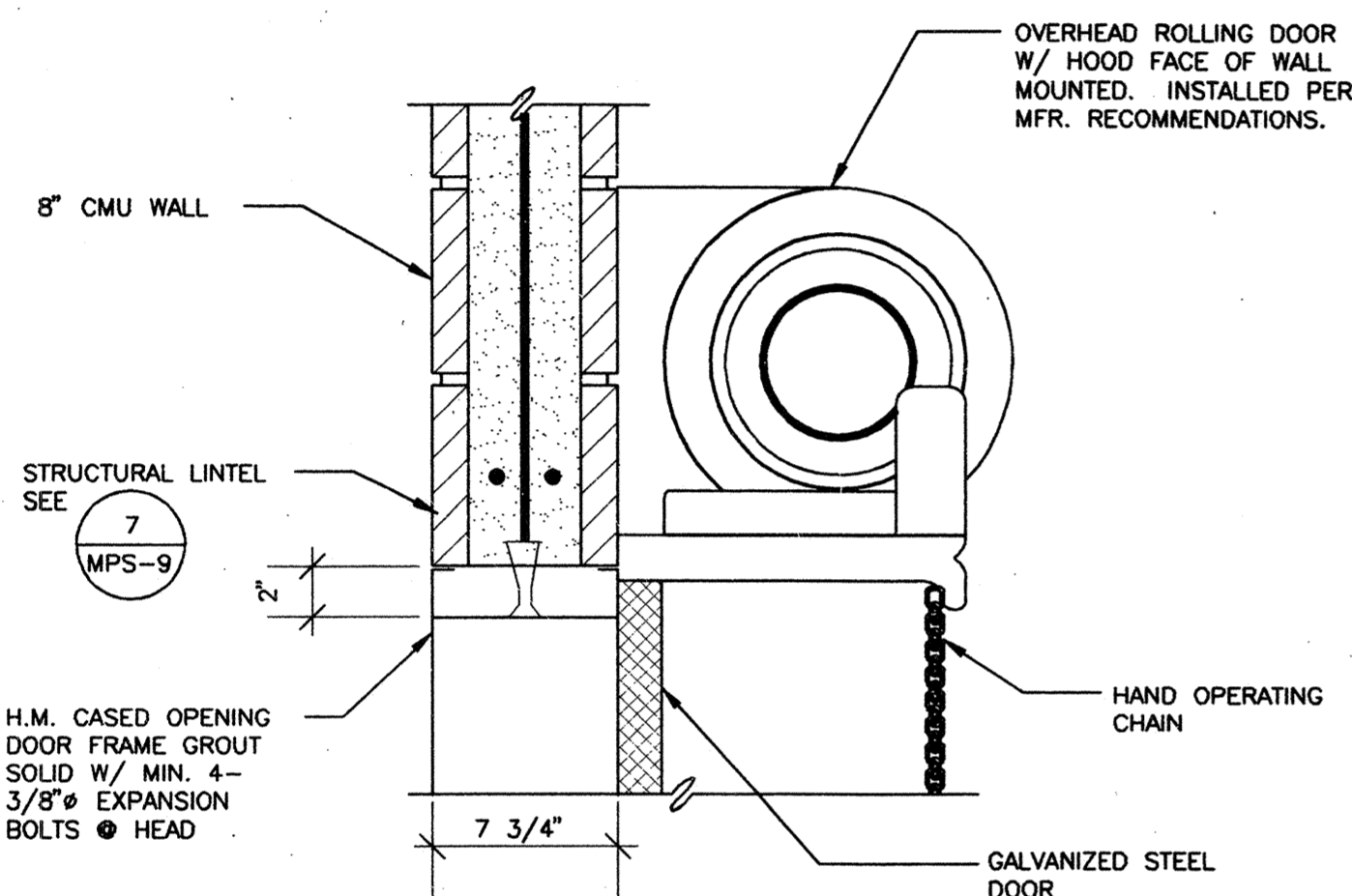
CAROLLO engineers

DWG NAME: P:\STOCKTON\167700\TSSK068.DWG
 XREFS: TSSK102, TSSK111, TSSK112, TSSK138

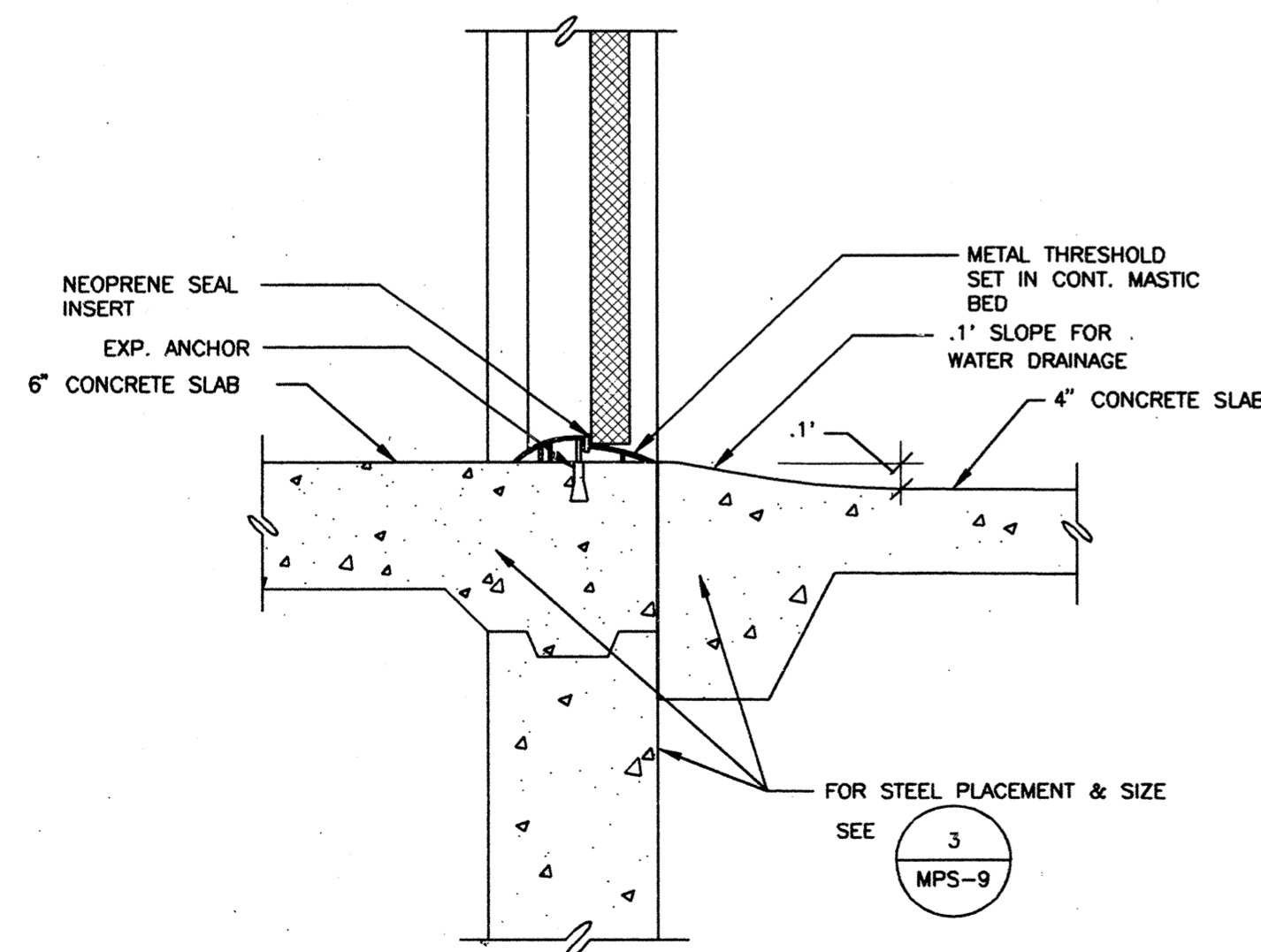
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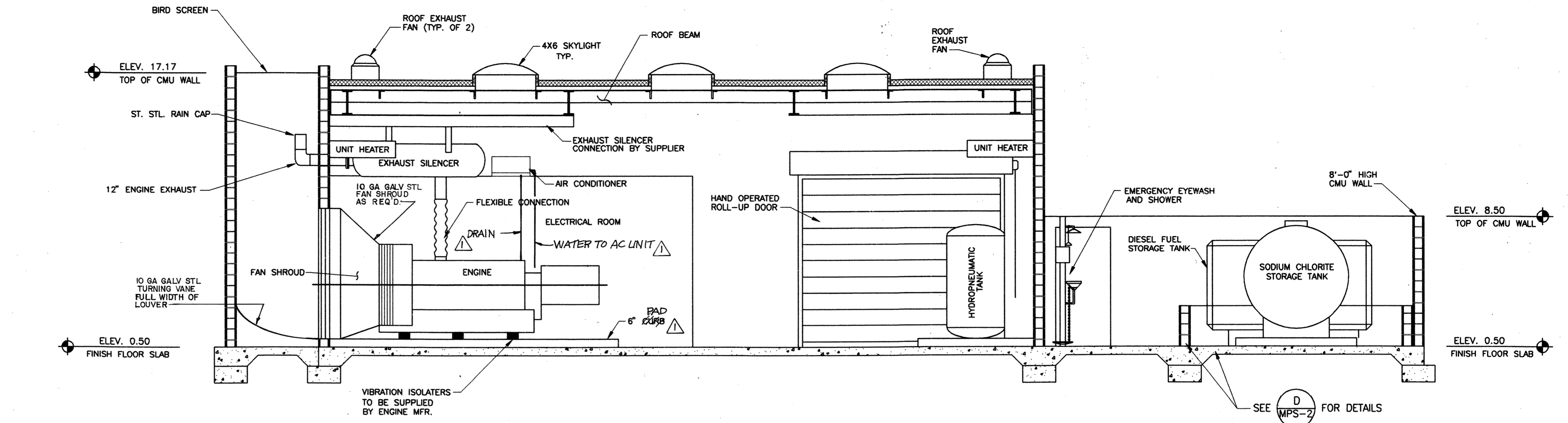
C DOOR JAMB
NO SCALE
TSSK113



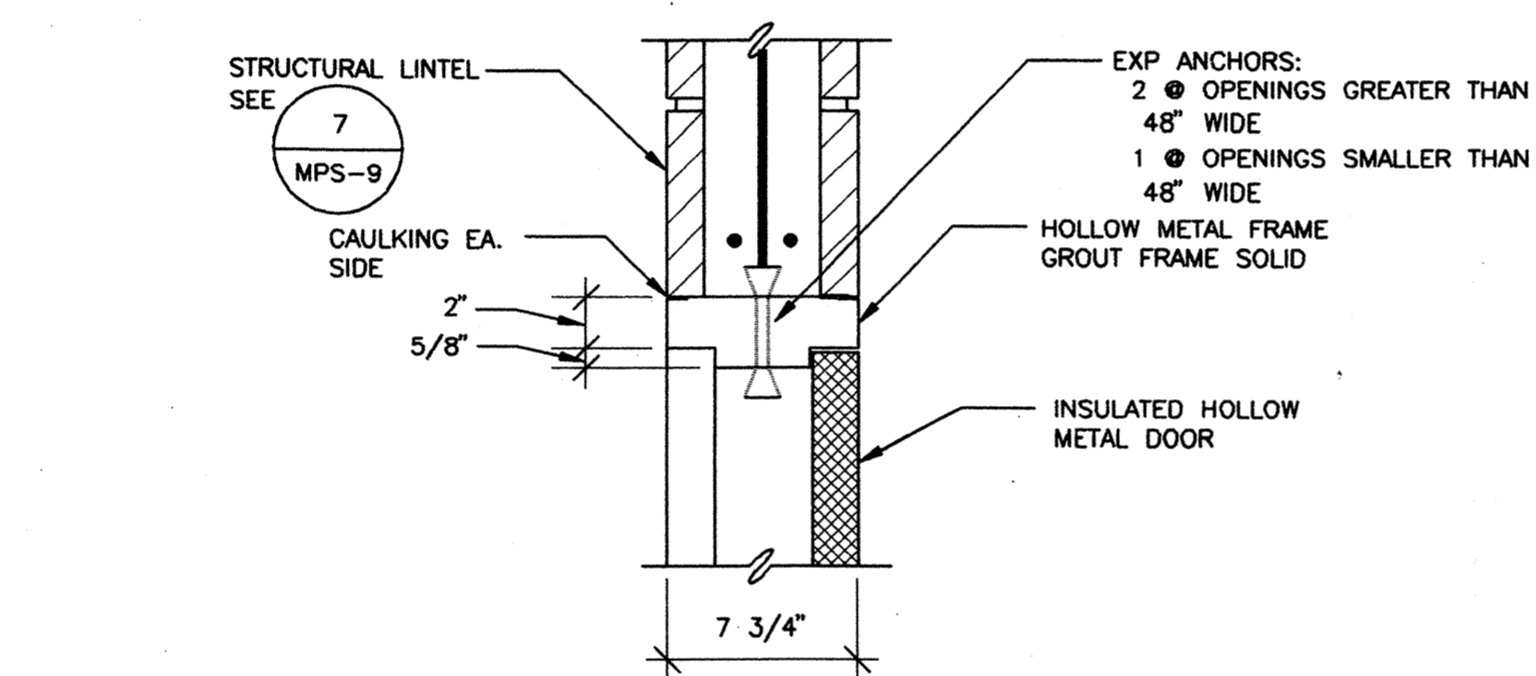
D ROLL-UP DOOR HEAD
1 1/2\"/>



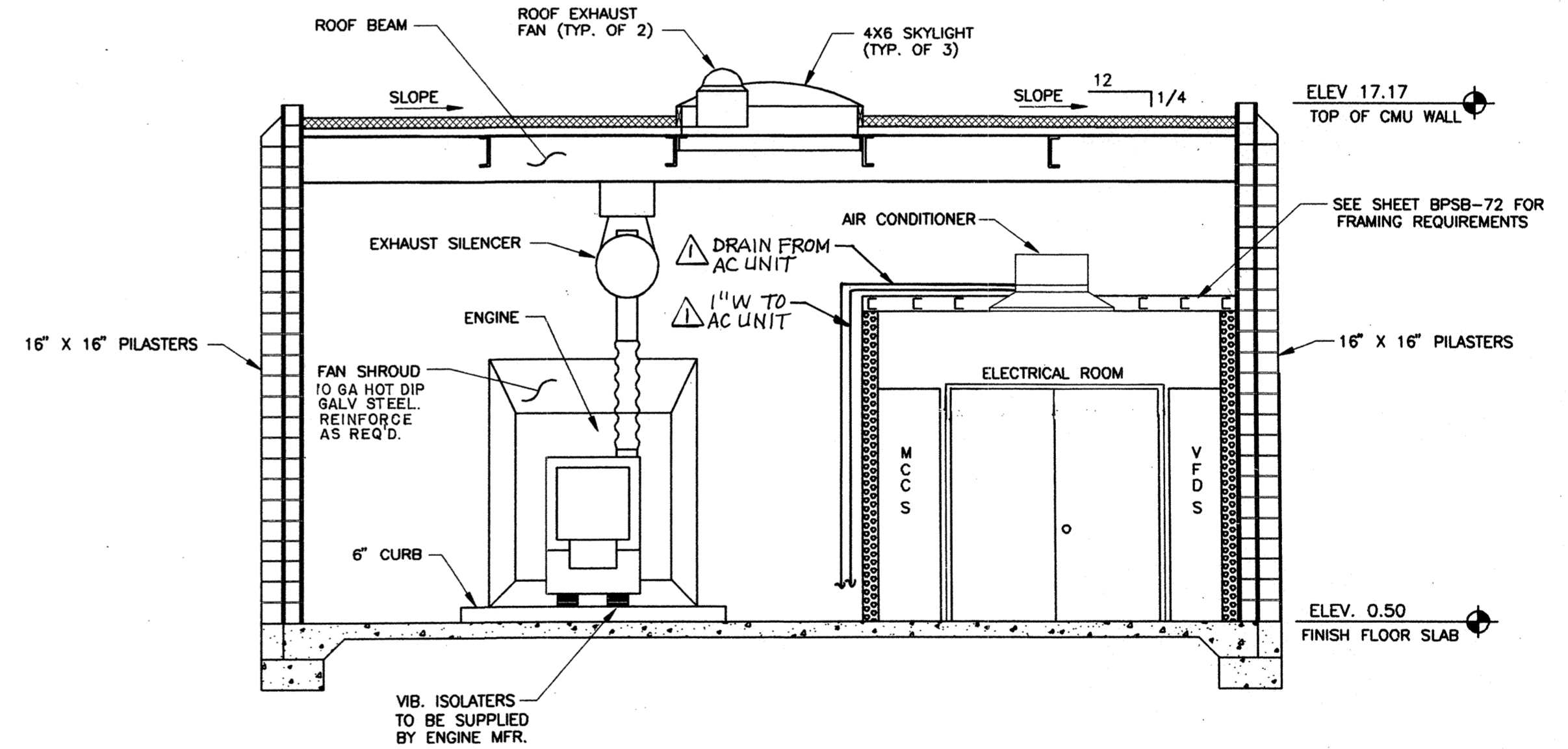
F DOOR SILL
1 1/2\"/>



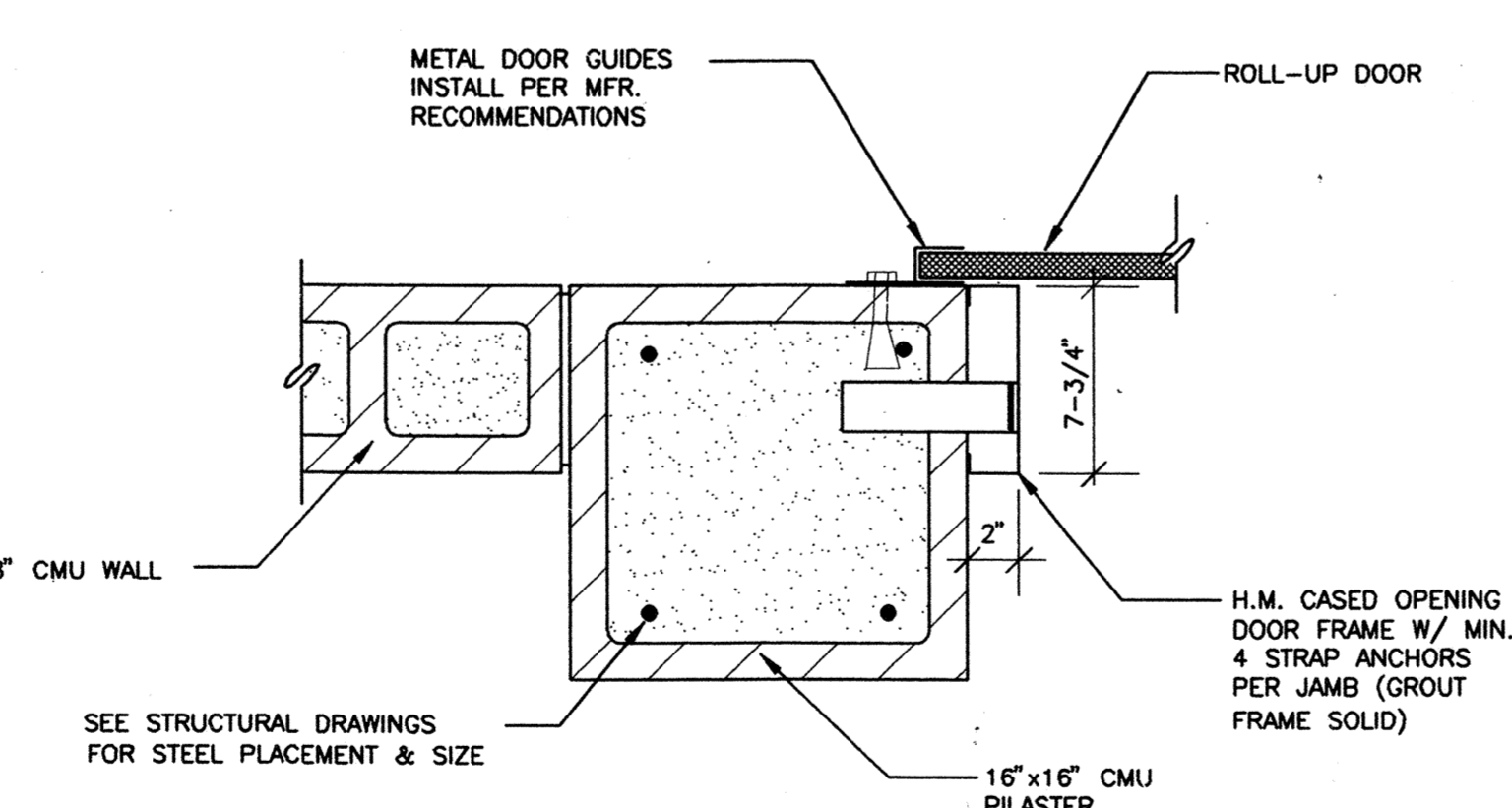
A SECTION
MPS-2 SCALE = 1/4\"/>



E DOOR HEAD
1 1/2\"/>



B SECTION
MPS-2 SCALE = 1/4\"/>



G ROLL-UP DOOR PILASTER
1 1/2\"/>

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS			
INTERIM 14 MILE PUMP STATION MODIFICATIONS - SECTIONS & DETAILS			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS SHOWN	APPROVED BY: RPW	DATE: 8/21/07	DRAWING NO. MPS-3
DESIGNED: M.P.	DRAWN: D.S.		SHEET NO. 71 OF 100
CHECKED: M.P.	AS BUILT BY: PG		JOB NO. 3385D.10

REV.	DATE	BY	DESCRIPTION

DISCIPLINE ENGINEER: MICHAEL T. PERCIVAL, REGISTERED PROFESSIONAL ENGINEER, No. 44008, Exp. 3-31-08, CIVIL, STATE OF CALIFORNIA.

PROJECT ENGINEER: ROBERT E. HANCOCK, REGISTERED PROFESSIONAL ENGINEER, No. C50182, Exp. 6/20/07, CIVIL, STATE OF CALIFORNIA.

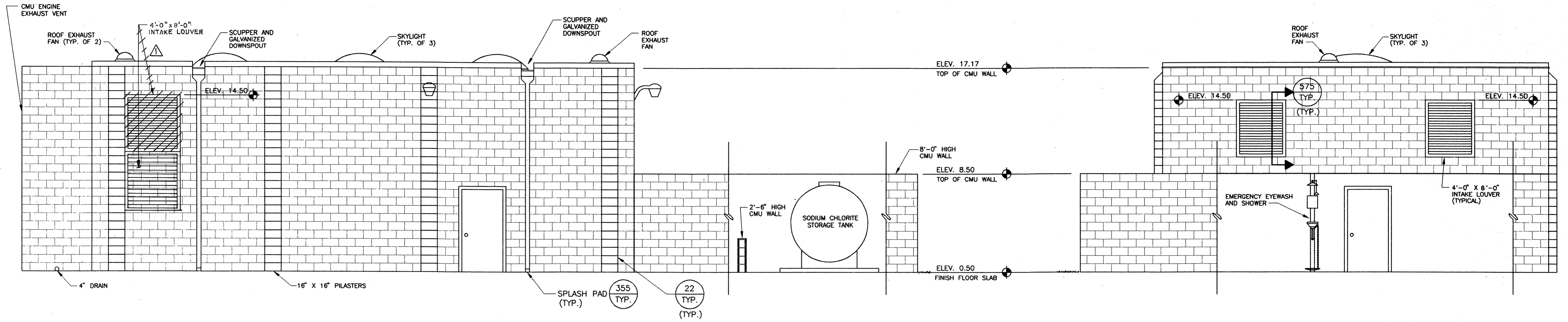
PARTNER: WALTER A. BISHOP, REGISTERED PROFESSIONAL ENGINEER, No. C20240, Exp. 1/20/07, CIVIL, STATE OF CALIFORNIA.

THOMPSON-HYSELL ENGINEERS, INC.

CAROLLO engineers

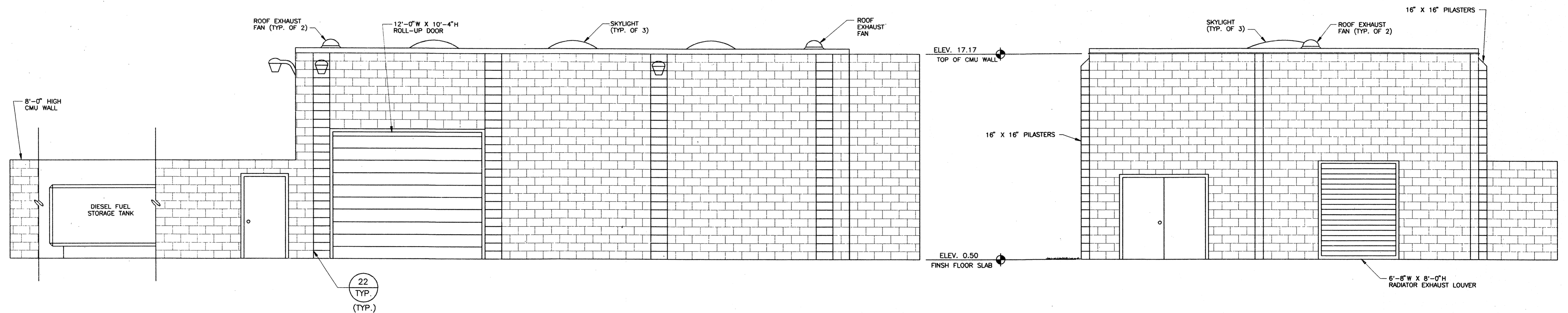
XREFS: TSSK103, TSSK113, TSSK114, TSSK115, TSSK116, TSSK117
DWG NAME: P:\STOCKTON\167700\TSSK089.DWG

4006.70Ca



A NORTH ELEVATION
SCALE: 1/4" = 1'

C WEST ELEVATION
SCALE: 1/4" = 1'



B SOUTH ELEVATION
SCALE: 1/4" = 1'

D EAST ELEVATION
SCALE: 1/4" = 1'

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

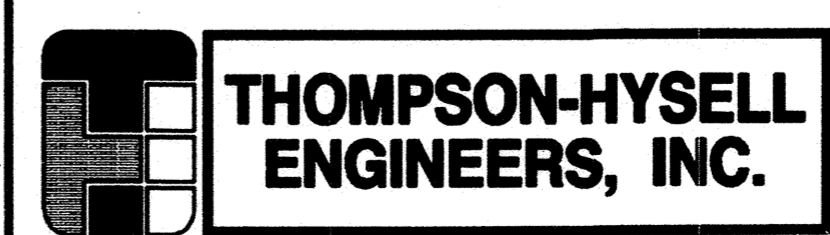
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
INTERIM 14 MILE PUMP STATION MODIFICATIONS - EXTERIOR ELEVATIONS		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: 1/4" = 1'	APPROVED BY: <i>RAW</i> DATE: <i>8/1/07</i>	DRAWING NO. MPS-4
DESIGNED: M.P.		SHEET NO. 72 OF 100
DRAWN: D.S.		JOB NO. 3385D.10
CHECKED: M.P.	<i>Paul M. Smith</i> CITY ENGINEER	
AS BUILT BY: PG	STOCKTON, CALIF.	

REV.	DATE	BY	DESCRIPTION
1/	1/2000	PG	RECORD DRAWING

DISCIPLINE ENGINEER: *Michael T. Perini* (Professional Engineer, No. 44908, Exp. 5-31-08)

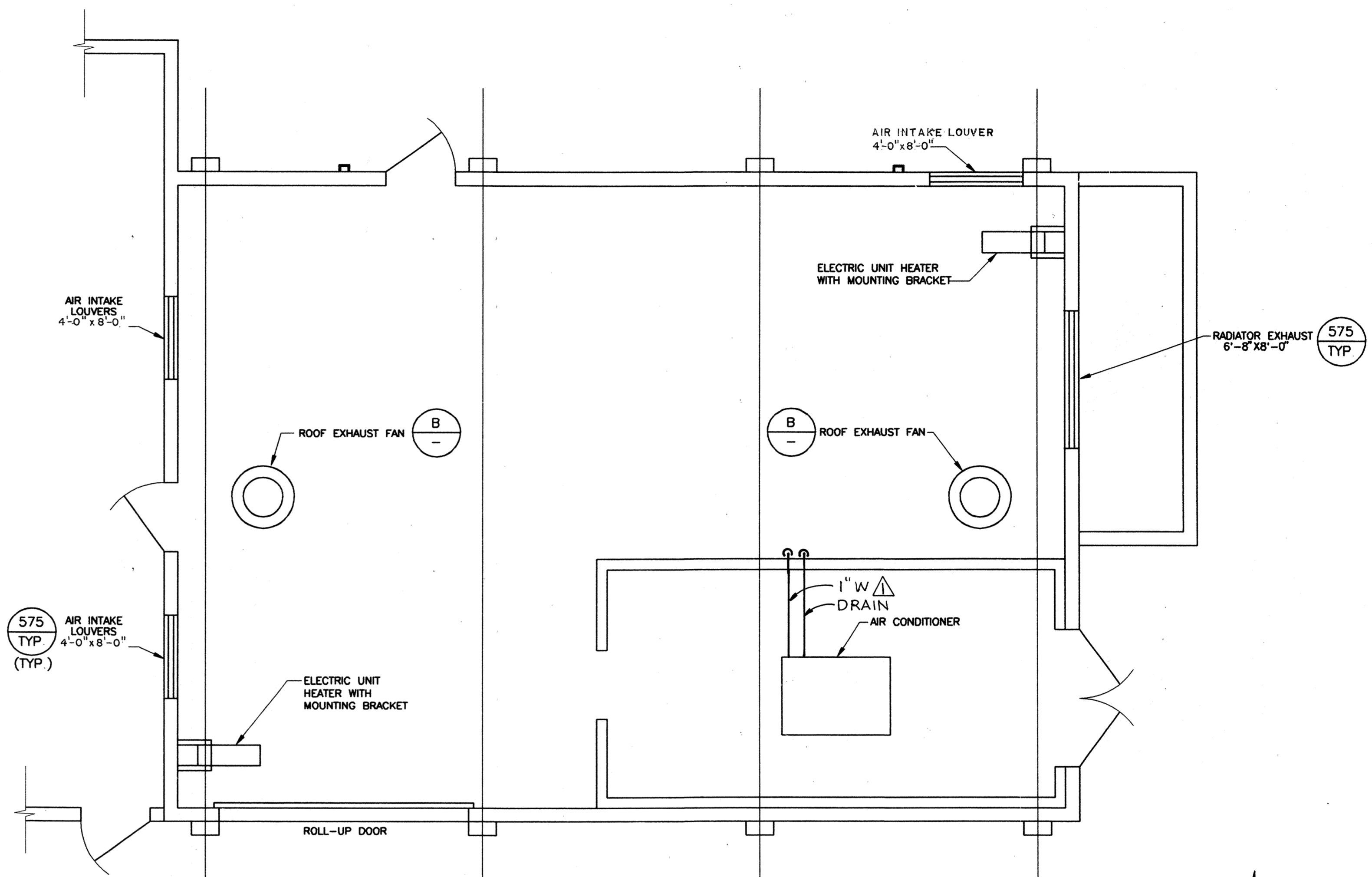
PROJECT ENGINEER: *Richard E. Hammons* (Professional Engineer, No. C50182, Exp. 8/31/07)

PARTNER: *Walter A. Blodgett* (Professional Engineer, No. C20240, Exp. 5/31/07)

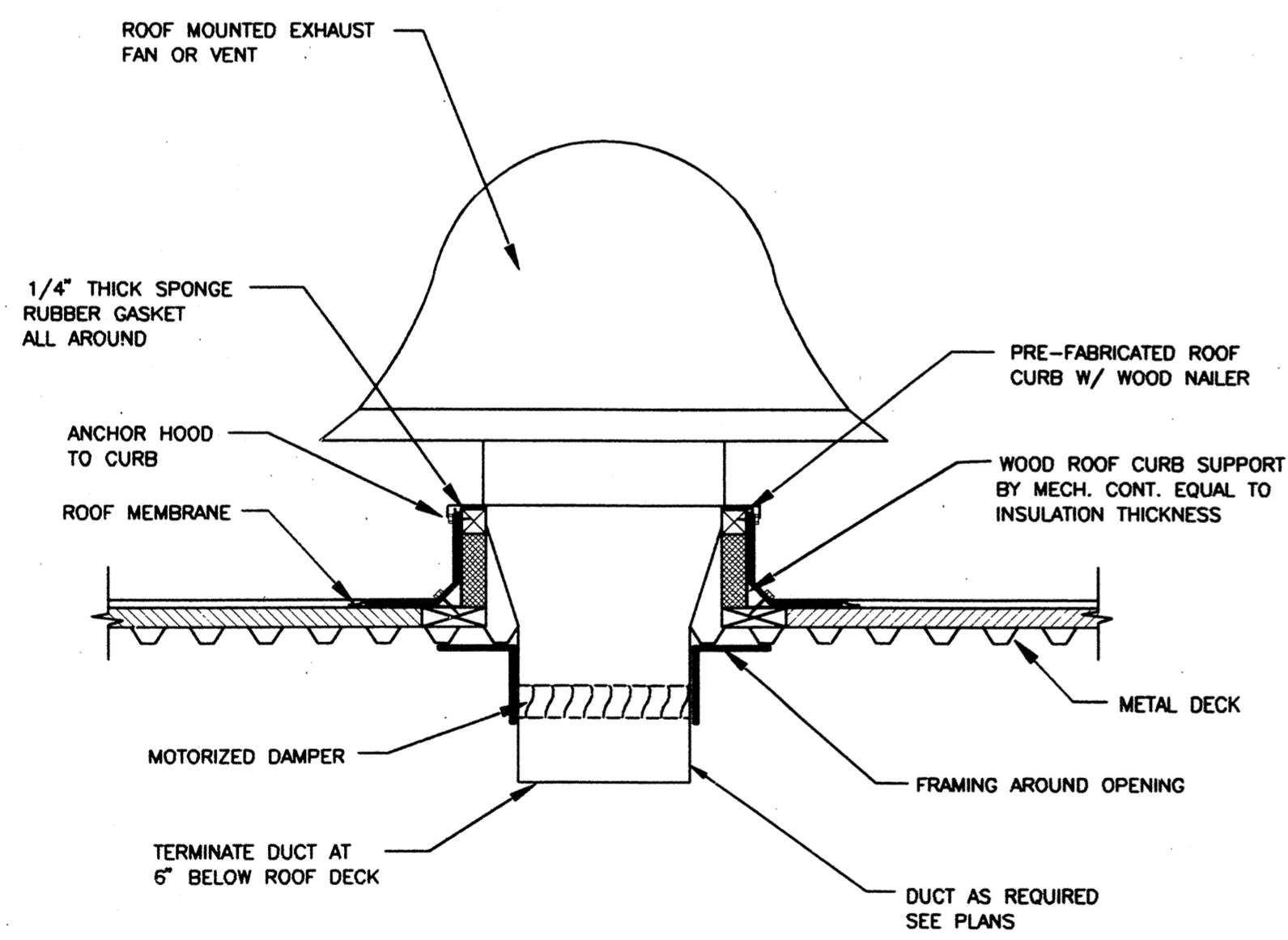


DWG NAME: P:\STOCKTON\167700\TSSK070.DWG XREFS: TSSK104

4006.71Ca



A HVAC PLAN
SCALE: 1/4" = 1'
TSSK105



B ROOF VENT DETAIL
NOT TO SCALE
TSSK118

RECORD DRAWING		
<small>THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.</small>		
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
INTERIM 14 MILE PUMP STATION MODIFICATIONS - HVAC PLAN		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS SHOWN	APPROVED BY: <i>RW</i> DATE: <i>2/24/97</i>	DRAWING NO. MPS-5
DESIGNED: M.P.		SHEET NO. 73 OF 100
DRAWN: D.S.		JOB NO. 33850.10
CHECKED: M.P.	<i>Paul M. Soud...</i> CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING

DISCIPLINE ENGINEER:

PROJECT ENGINEER:

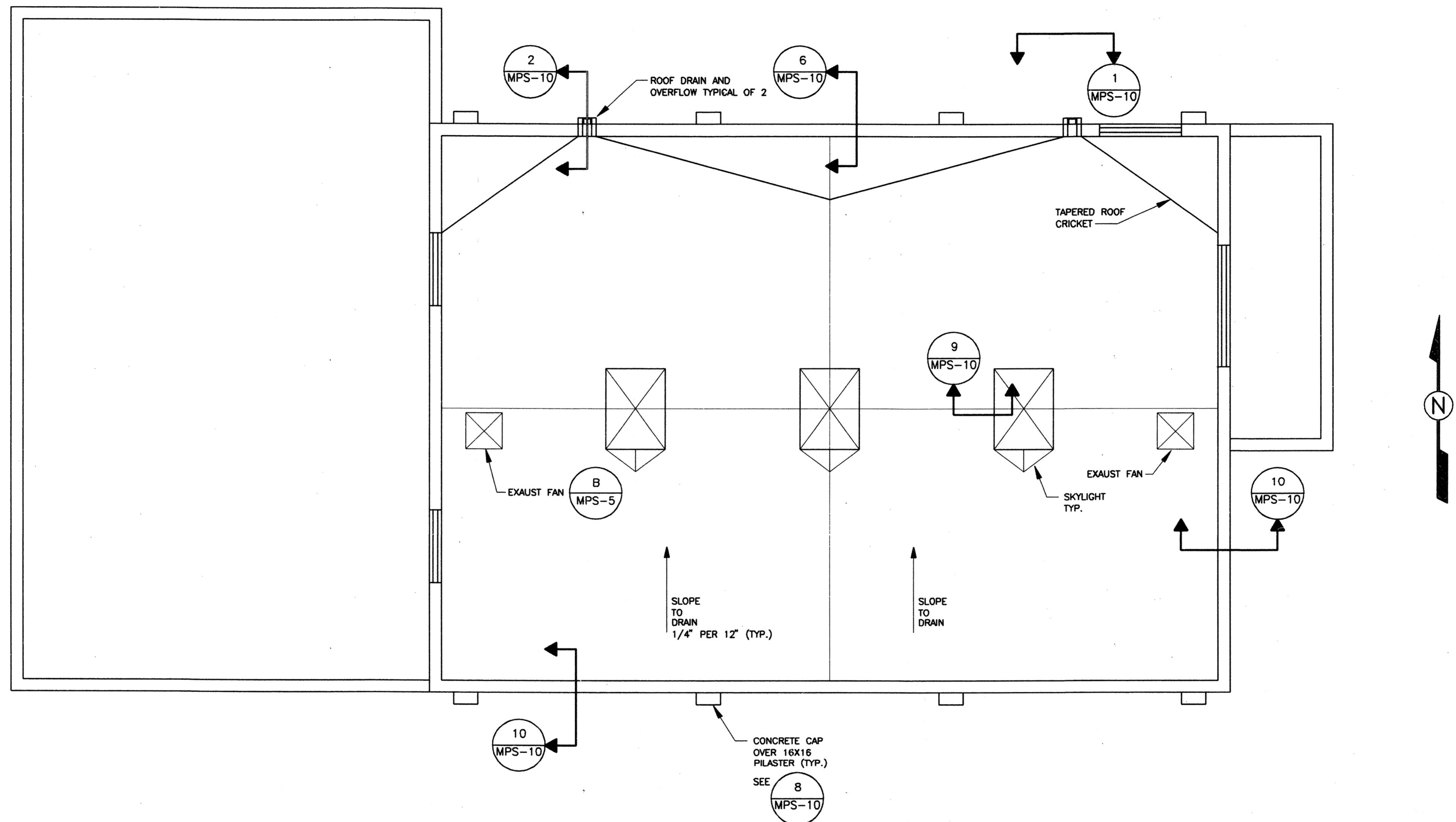
PARTNER:

THOMPSON-HYSELL ENGINEERS, INC.

CAROLLO engineers

DWG NAME: P:\STOCKTON\167700\TSSK071.DWG
XREFS: TSSK105, TSSK118

4006.72 Ca



A ROOF PLAN
 SCALE: 1/4" = 1'
 TSSK106

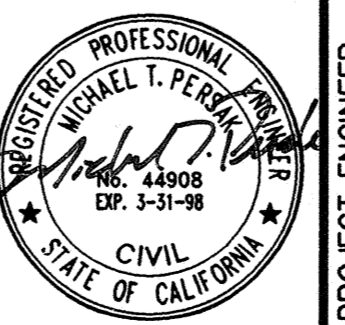
RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON PART OR INFORMATION PROVIDED BY OTHERS.

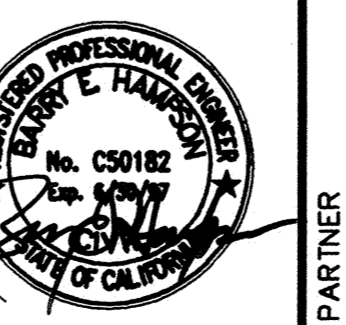
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
INTERIM 14 MILE PUMP STATION MODIFICATIONS - ROOF PLAN		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS SHOWN	APPROVED BY: <i>Raw</i>	DRAWING NO. MPS-6
DESIGNED: M.P.	DATE: 8/2/17	SHEET NO. 74 of 100
DRAWN: D.S.	<i>Paul M. Sanilava</i> CITY ENGINEER STOCKTON, CALIF.	JOB NO. 3385D.10
CHECKED: M.P.		AS BUILT BY: PG

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

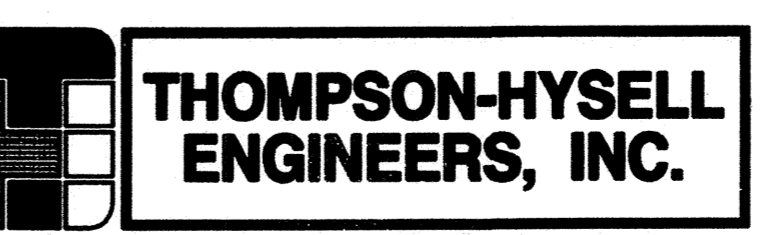
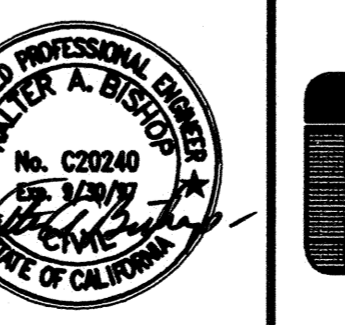
DISCIPLINE ENGINEER



PROJECT ENGINEER

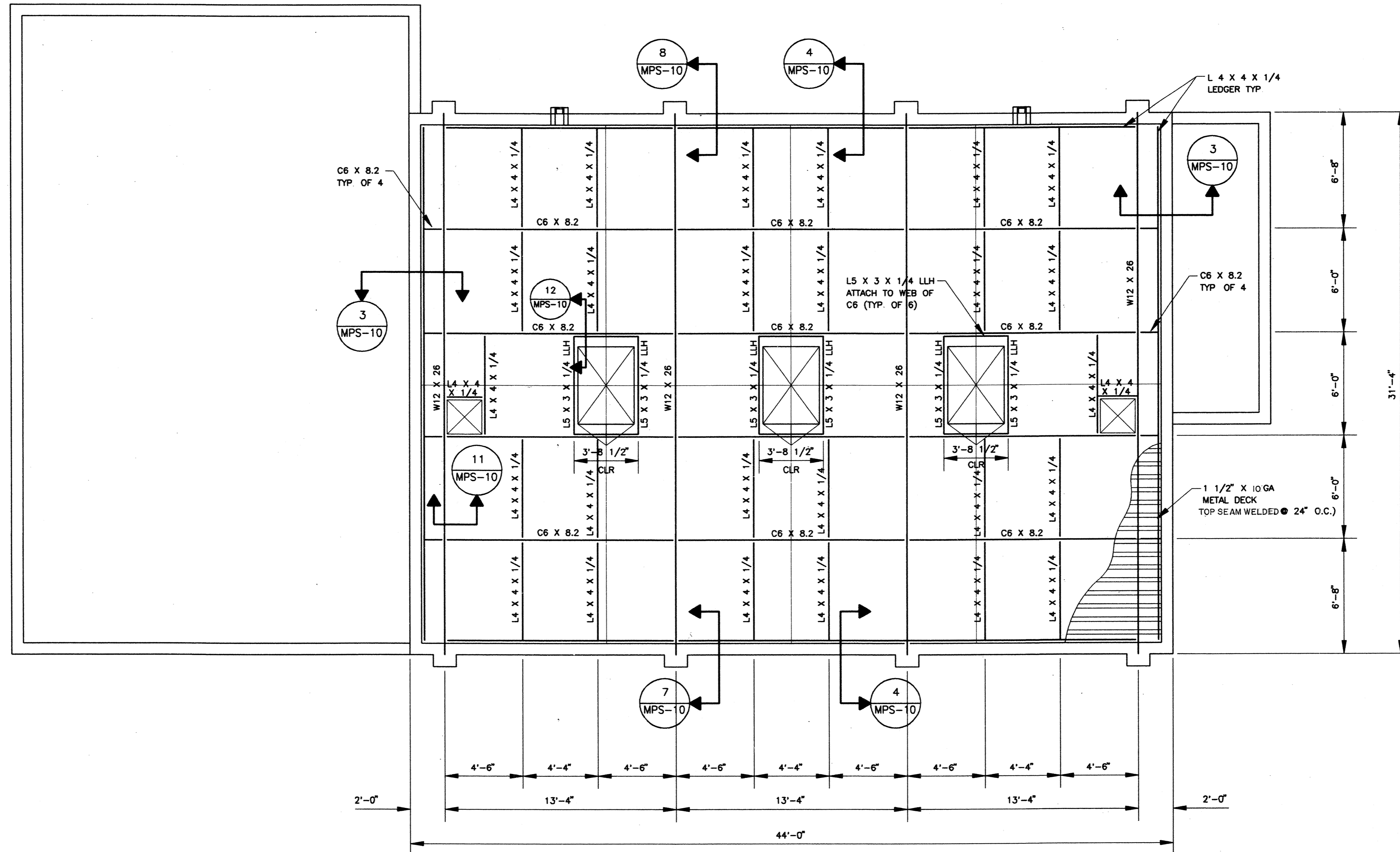


PARTNER



DWG NAME: P:\STOCKTON\167706\TSSK106.DWG
XREFS: TSSK106

4006.73Ca



A ROOF FRAMING PLAN
 SCALE: 1/4" = 1'
 TSSK107

RECORD DRAWING

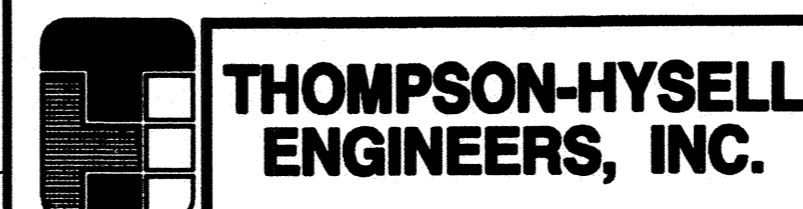
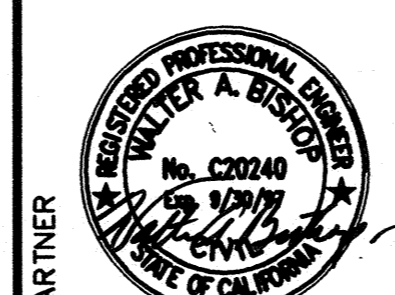
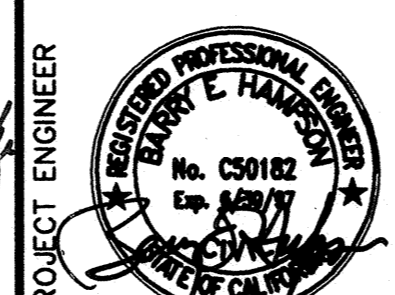
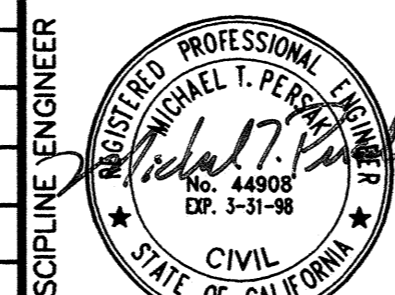
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

**WESTSIDE SEWER
 INTERCEPTOR IMPROVEMENTS
 INTERIM 14 MILE PUMP STATION
 MODIFICATIONS – ROOF FRAMING PLAN**

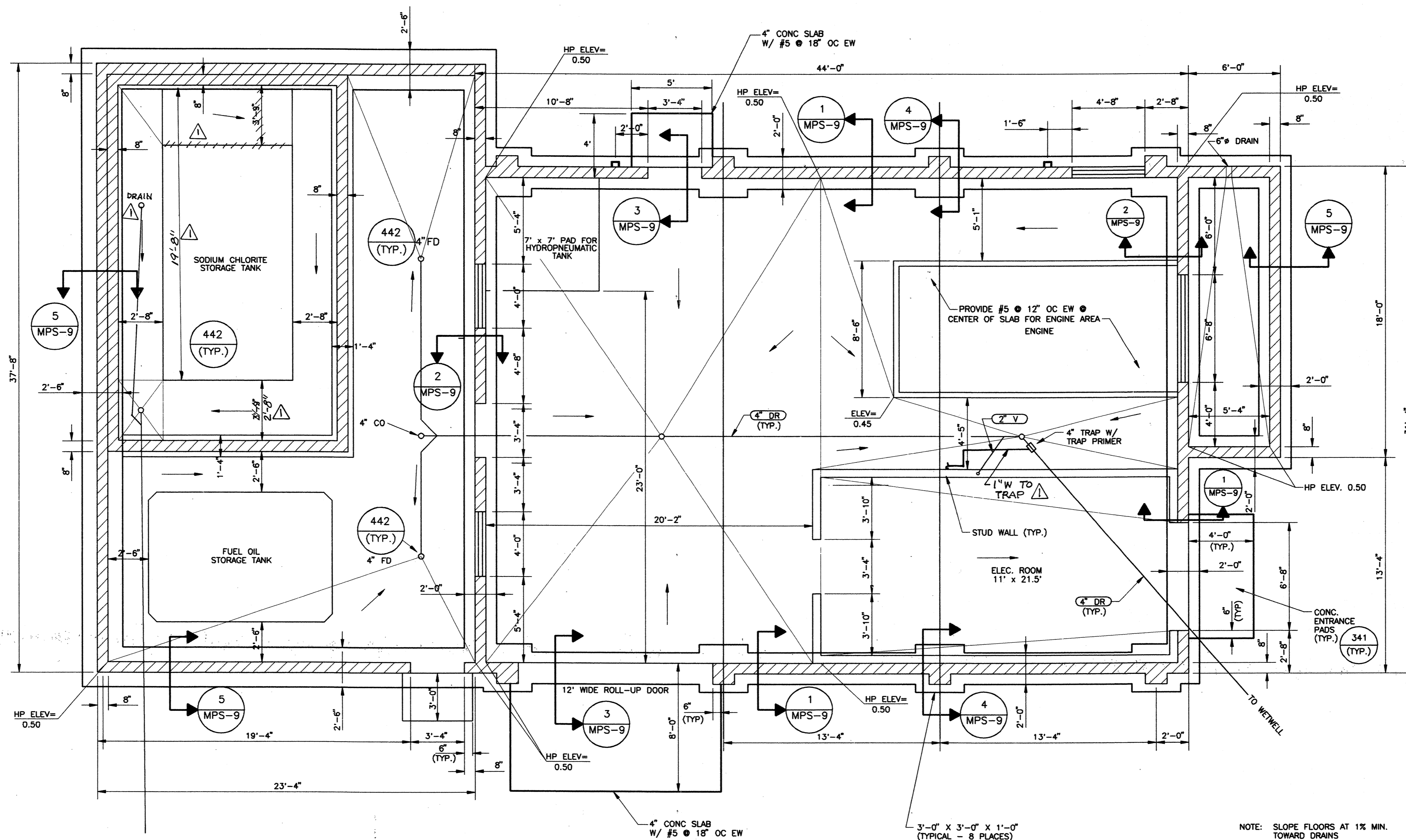
DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: 1/4" = 1'	APPROVED BY: RPW	DATE: 8/21/07	DRAWING NO. MPS-7
DESIGNED: M.P.	CITY ENGINEER		SHEET NO. 75 OF 100
DRAWN: D.S.			JOB NO.
CHECKED: M.P.			

1/2000	PG	RECORD DRAWING
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DWG NAME: P:\STOCKTON\16720\TSSK107.XREFS.TSS



A FOUNDATION PLAN
 SCALE: 1/4" = 1'
 TSSK108

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON PARTIAL INFORMATION PROVIDED BY OTHERS.

**WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
 INTERIM 14 MILE PUMP STATION MODIFICATIONS - FOUNDATION PLAN**

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: 1/4" = 1'	APPROVED BY: RPW	DATE: 02/17/97	DRAWING NO. MPS-8
DESIGNED: M.P.			SHEET NO. 76 OF 100
DRAWN: D.S.			JOB NO. 3385D.10
CHECKED: M.P.	CITY ENGINEER		
AS BUILT BY: PG	STOCKTON, CALIF.		

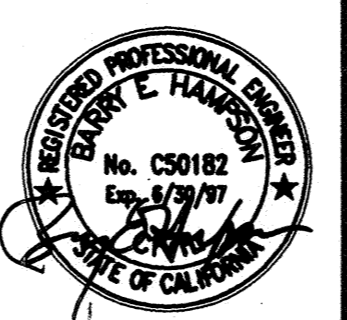
4006.75C2

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

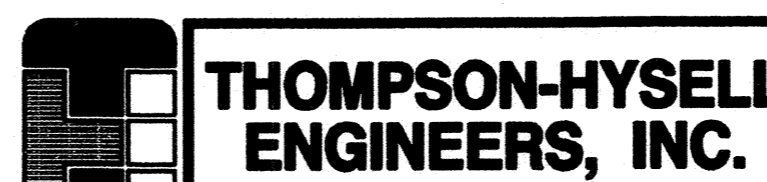
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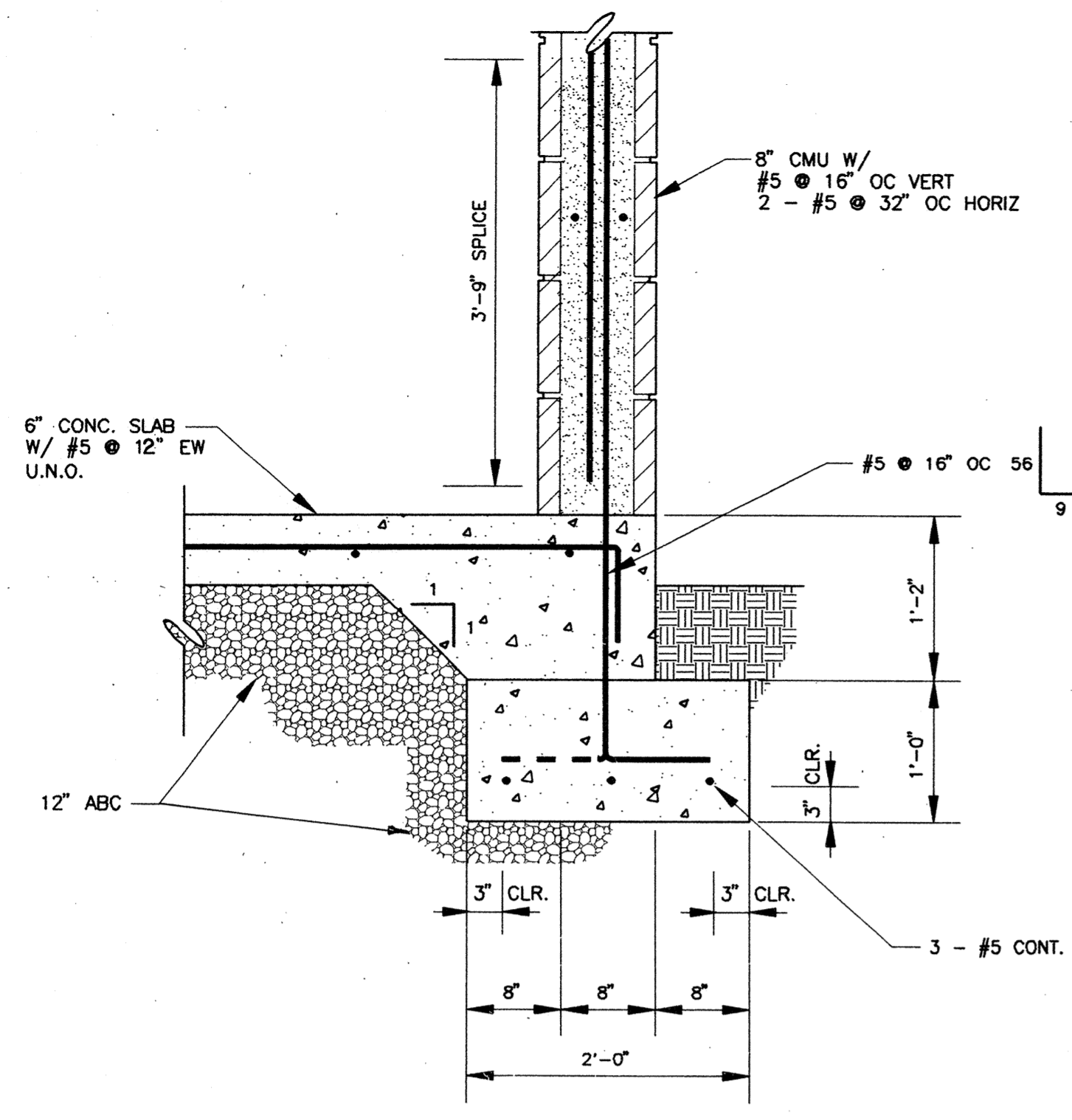


PROJECT ENGINEER

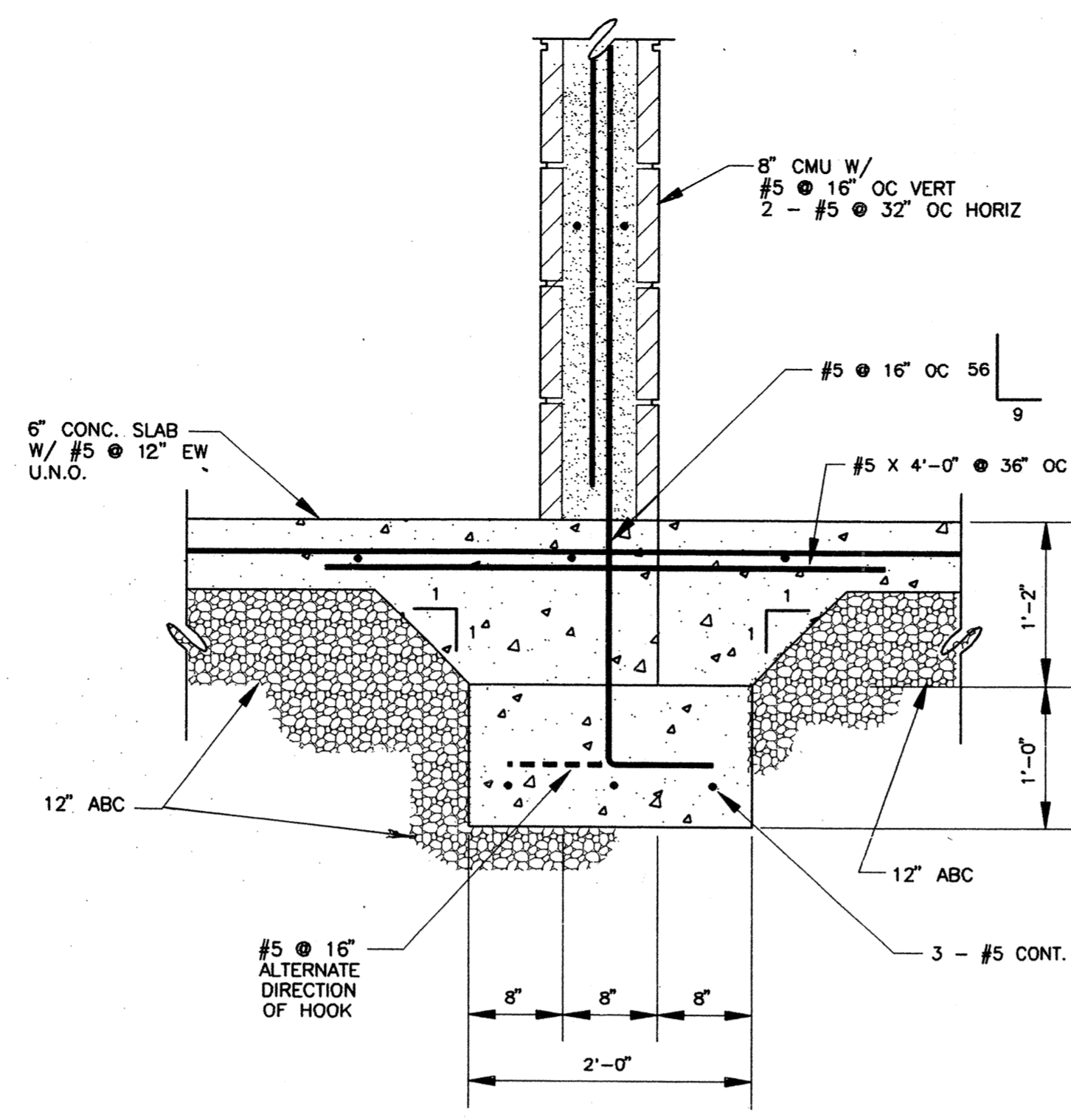


PARTNER

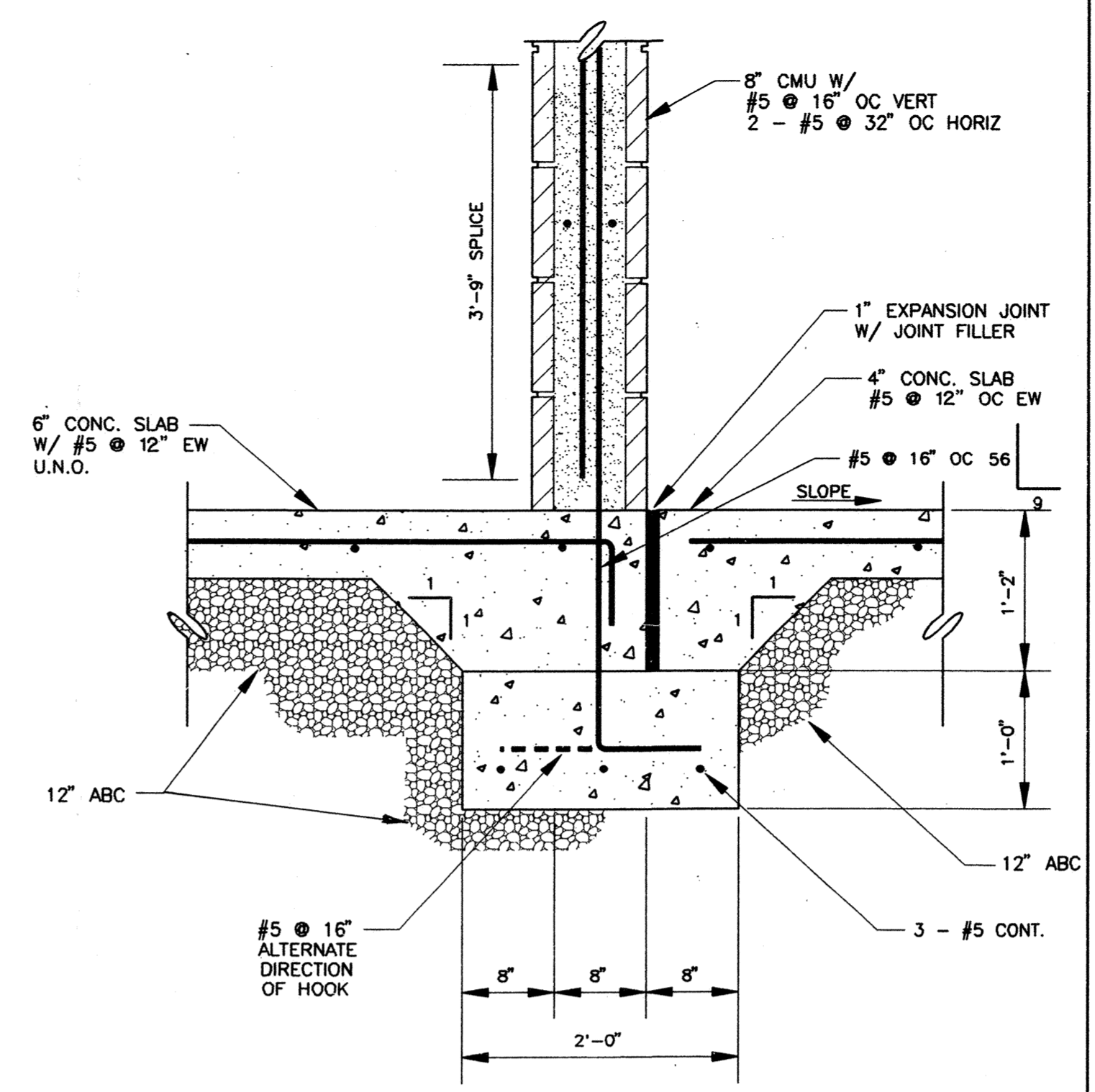




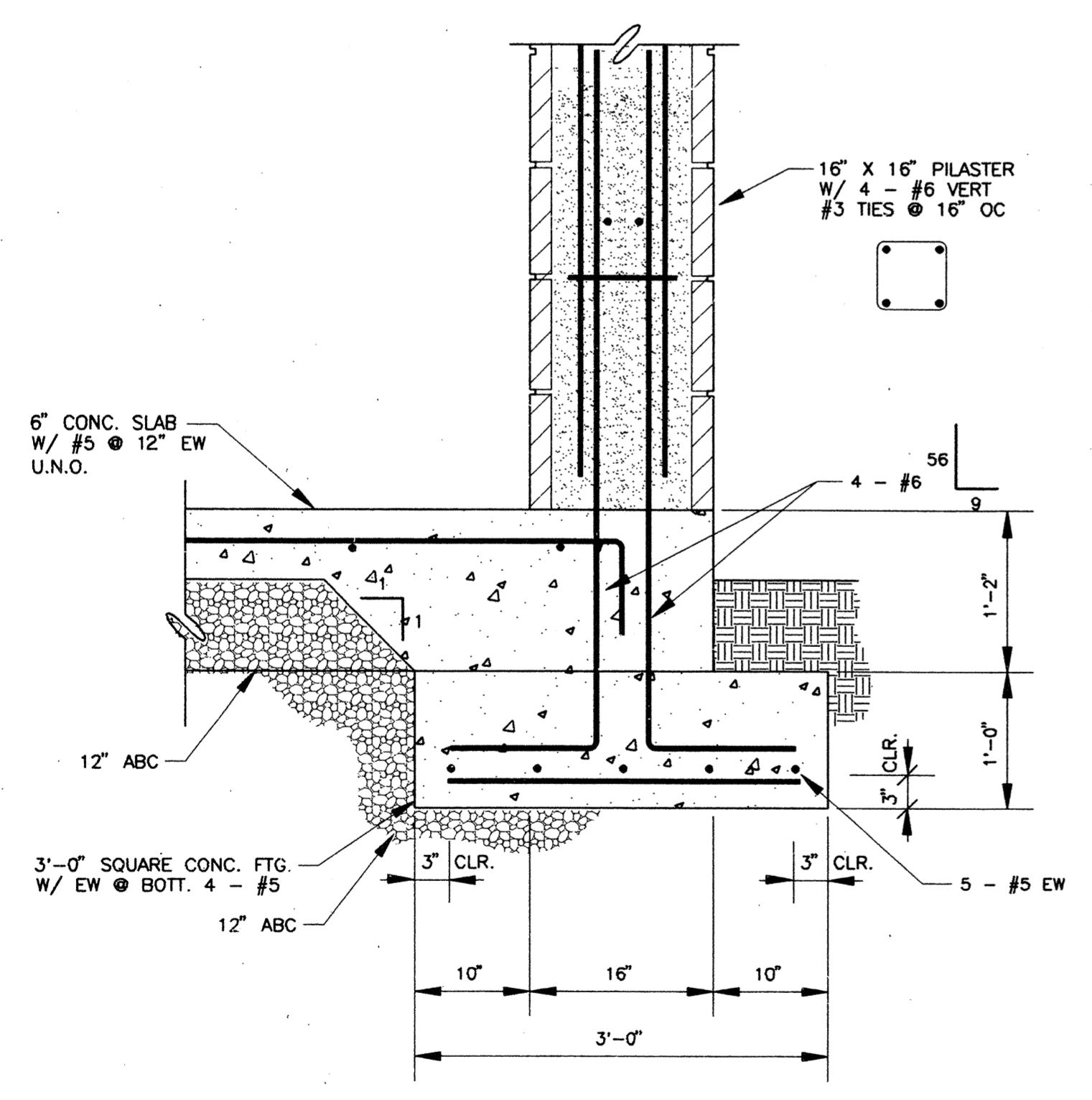
1 FOOTING DETAIL
 MPS-8 SCALE: 1" = 1'-0"
 TSSK119



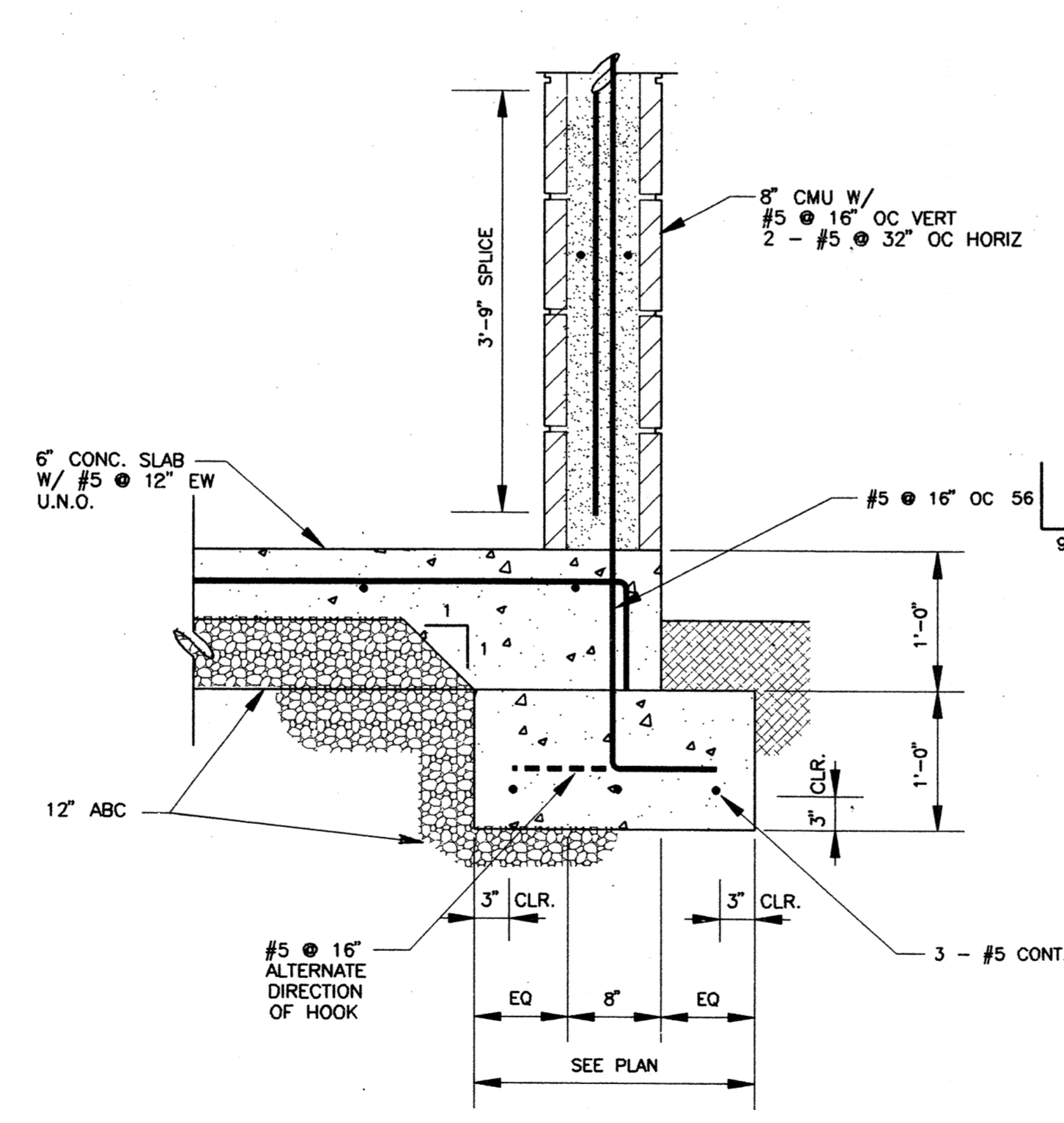
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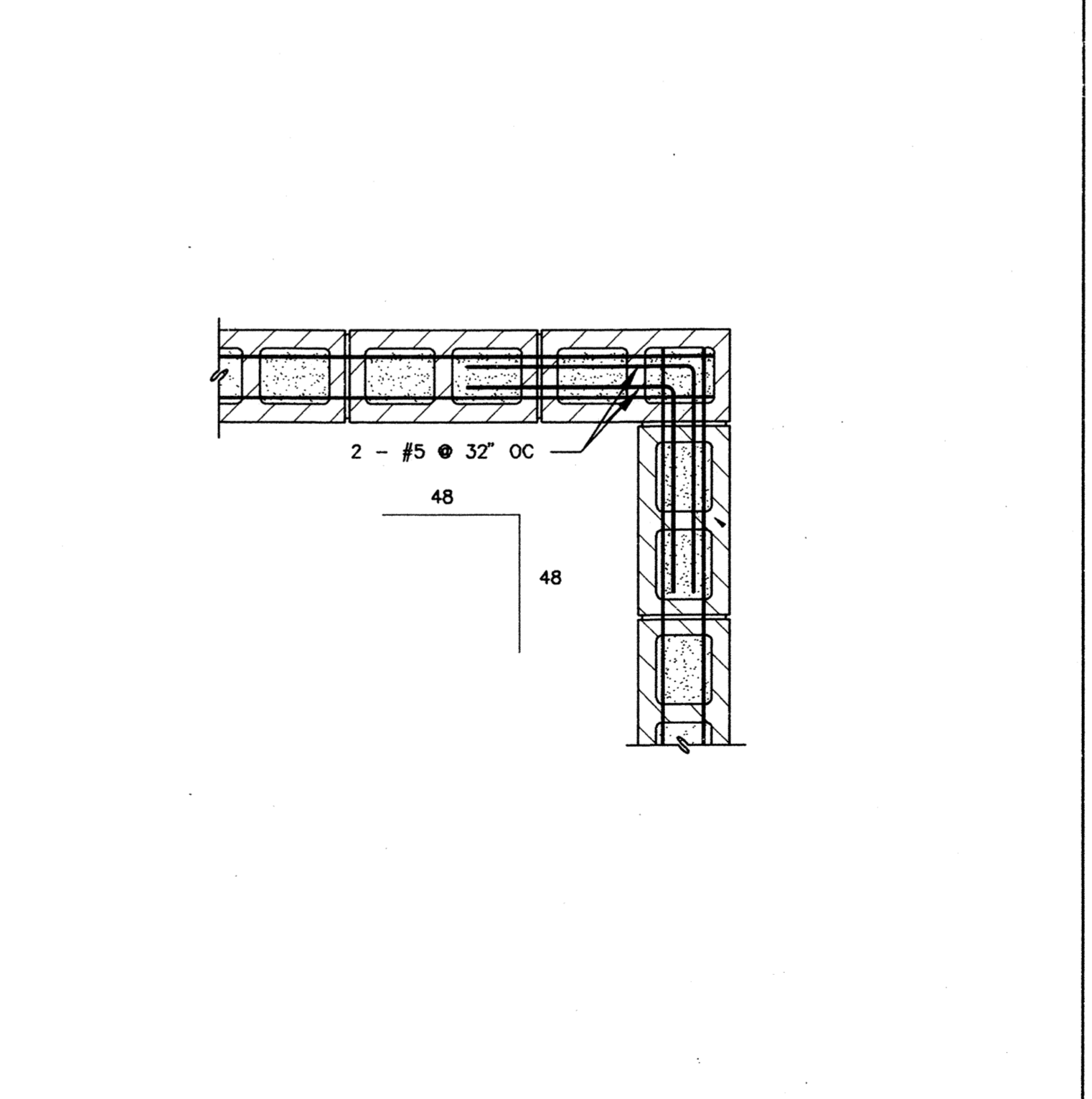
3 FOOTING DETAIL
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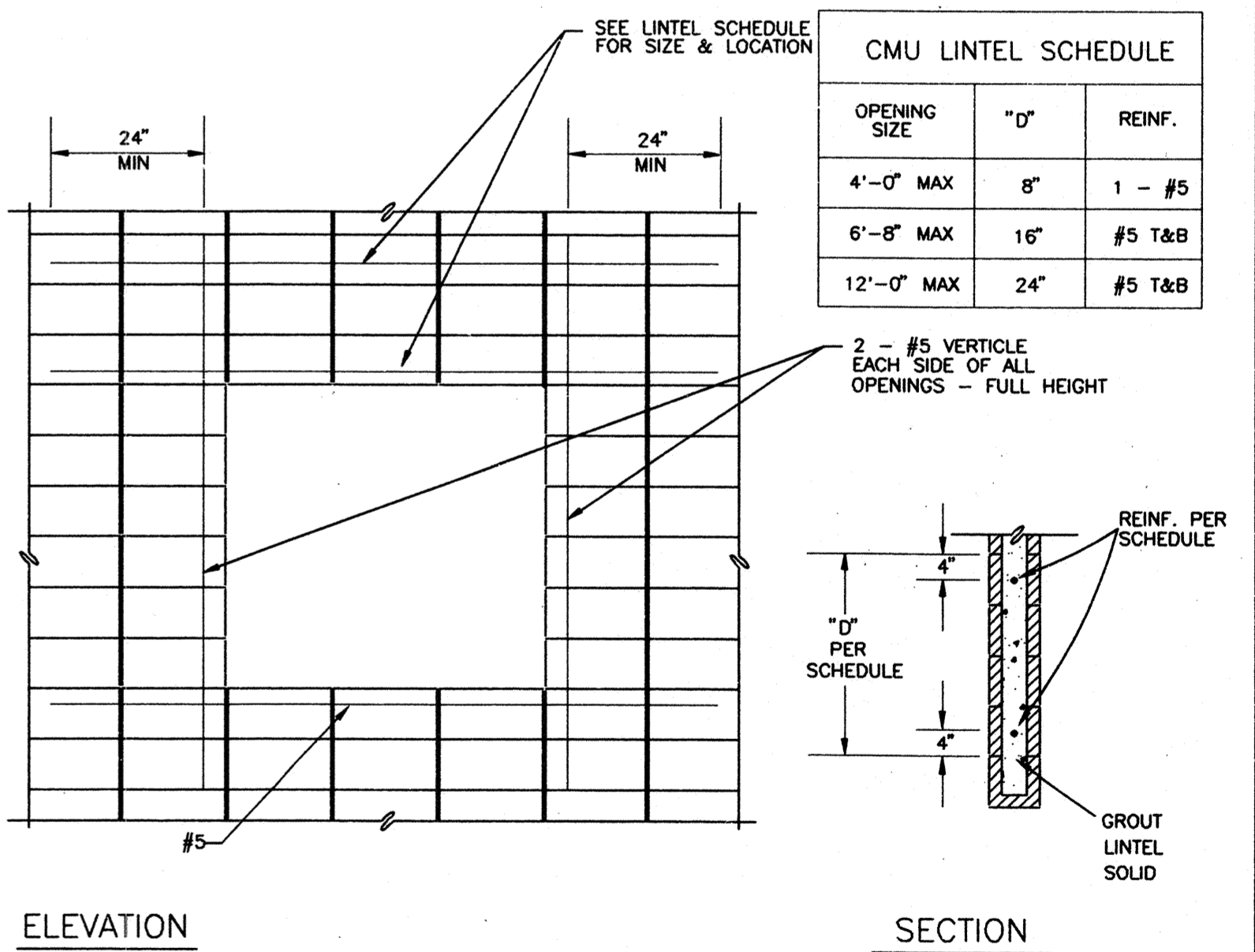
4 FOOTING DETAIL
 MPS-8 SCALE: 1" = 1'-0"
 TSSK122



5 FOOTING DETAIL
 MPS-8 SCALE: 1" = 1'-0"
 TSSK123



6 TYPICAL CMU CORNER REINF.
 MPS-8 SCALE: 1" = 1'-0"
 TSSK139



7 CMU OPENING REINFORCING
 MPS-8 SCALE: 1/2" = 1'-0"
 TSSK140

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

DISCIPLINE ENGINEER
 REGISTERED PROFESSIONAL ENGINEER
 MICHAEL T. PEREZ
 No. 44908
 Exp. 3-31-98
 CIVIL
 STATE OF CALIFORNIA

PROJECT ENGINEER
 REGISTERED PROFESSIONAL ENGINEER
 HAROLD E. HANCOCK
 No. C50182
 Exp. 12/31/97
 CIVIL
 STATE OF CALIFORNIA

PARTNER
 REGISTERED PROFESSIONAL ENGINEER
 WALTER A. BISHOP
 No. C20240
 Exp. 12/31/97
 CIVIL
 STATE OF CALIFORNIA

THOMPSON-HYSELL ENGINEERS, INC.

CAROLLO engineers

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
INTERIM 14 MILE PUMP STATION MODIFICATIONS - DETAILS
 DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

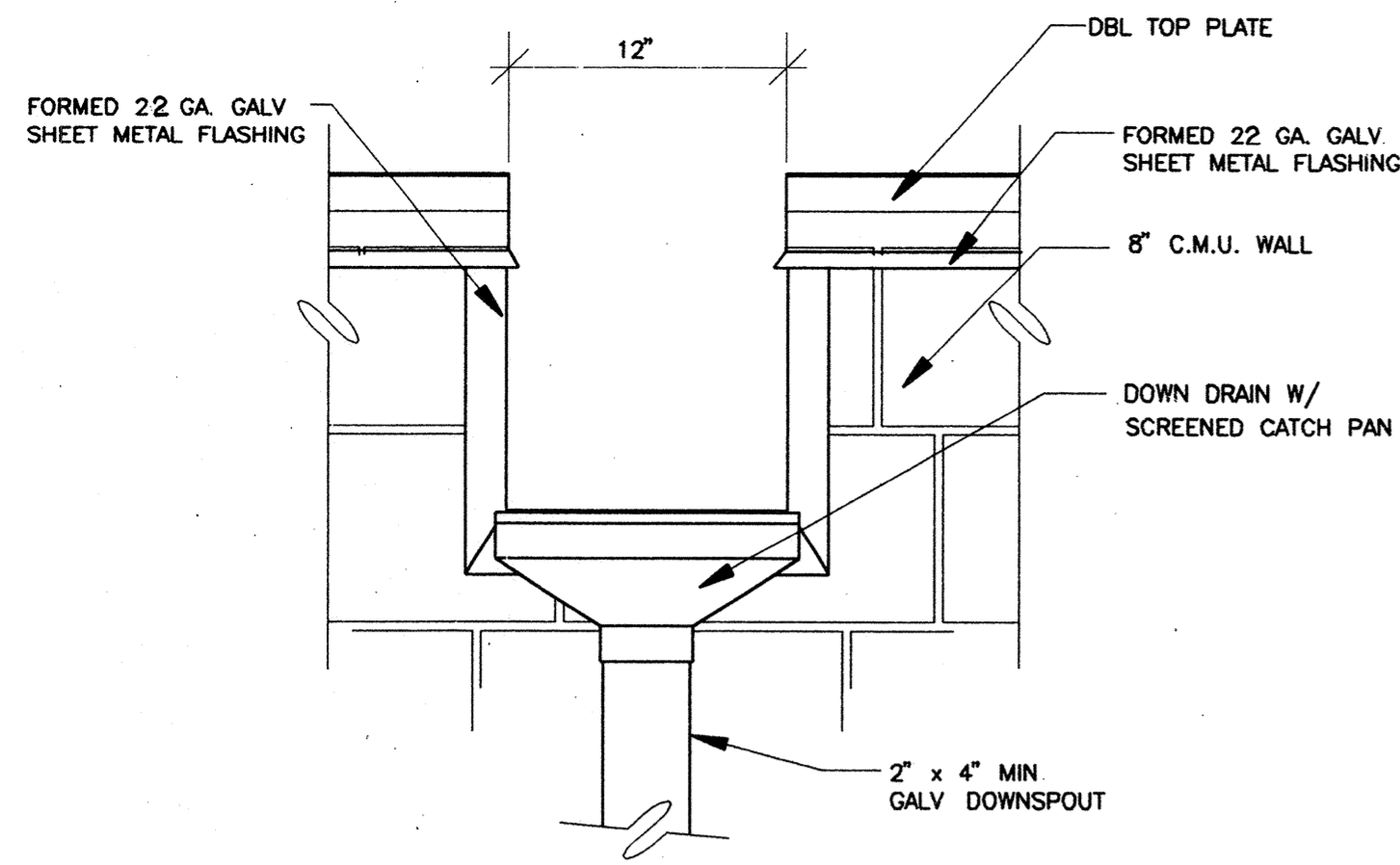
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 DRAWN: D.S.
 CHECKED: M.P.
 AS BUILT BY: PG

APPROVED BY: RPW
 DATE: 8/21/97
 CITY ENGINEER
 STOCKTON, CALIF.

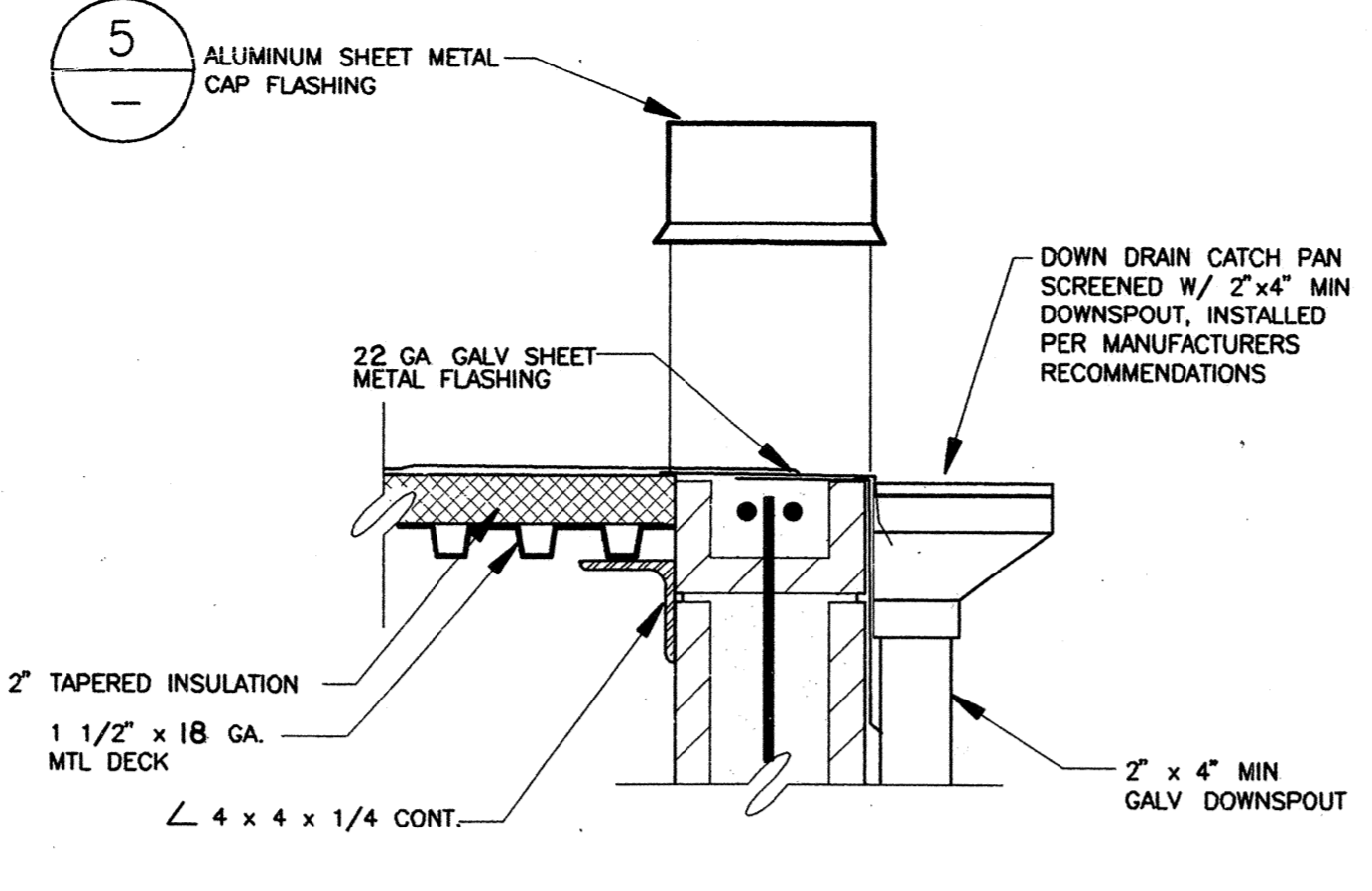
DRAWING NO. MPS-9
 SHEET NO. 77 OF 100
 JOB NO. 3385D.10

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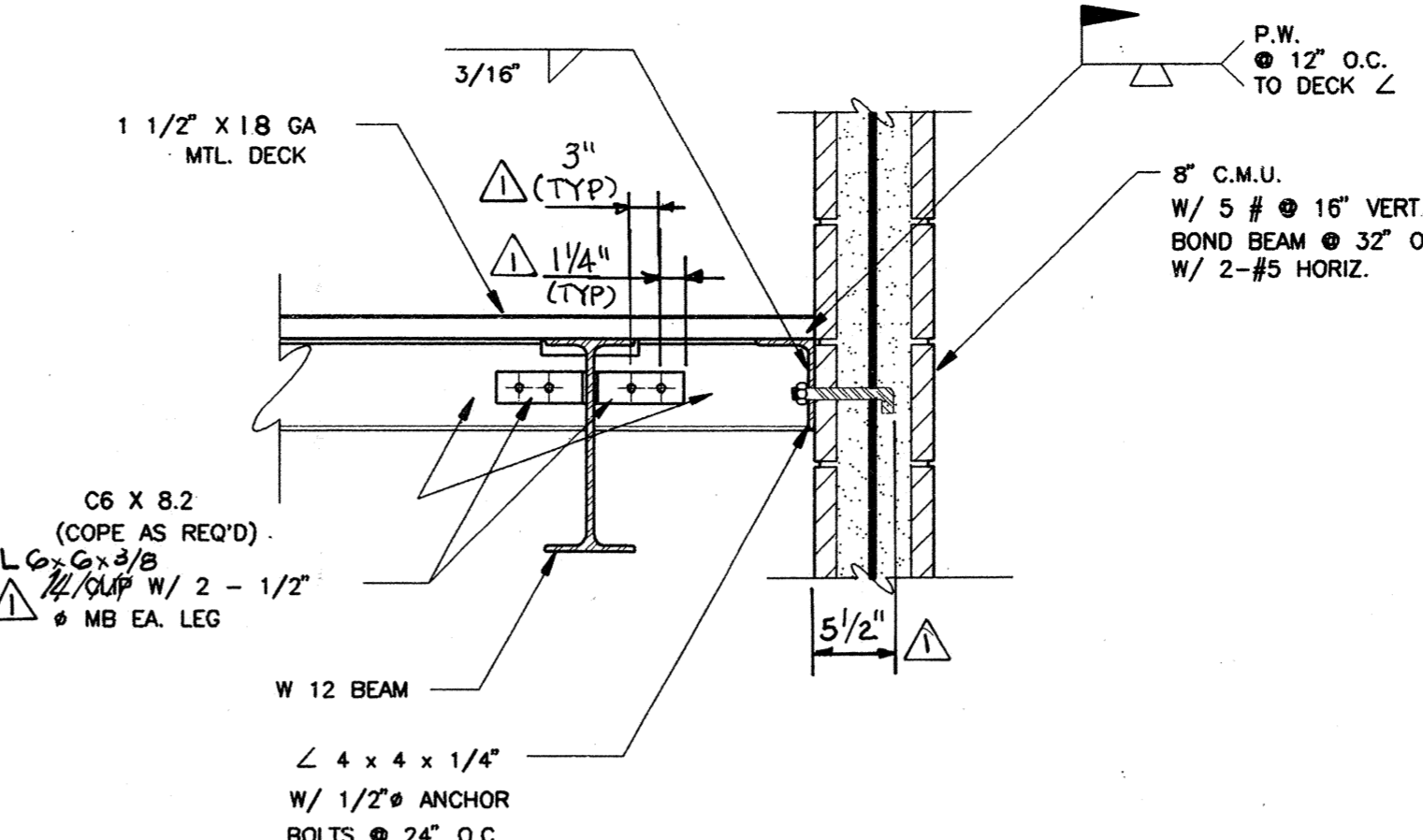
4006.76Ca



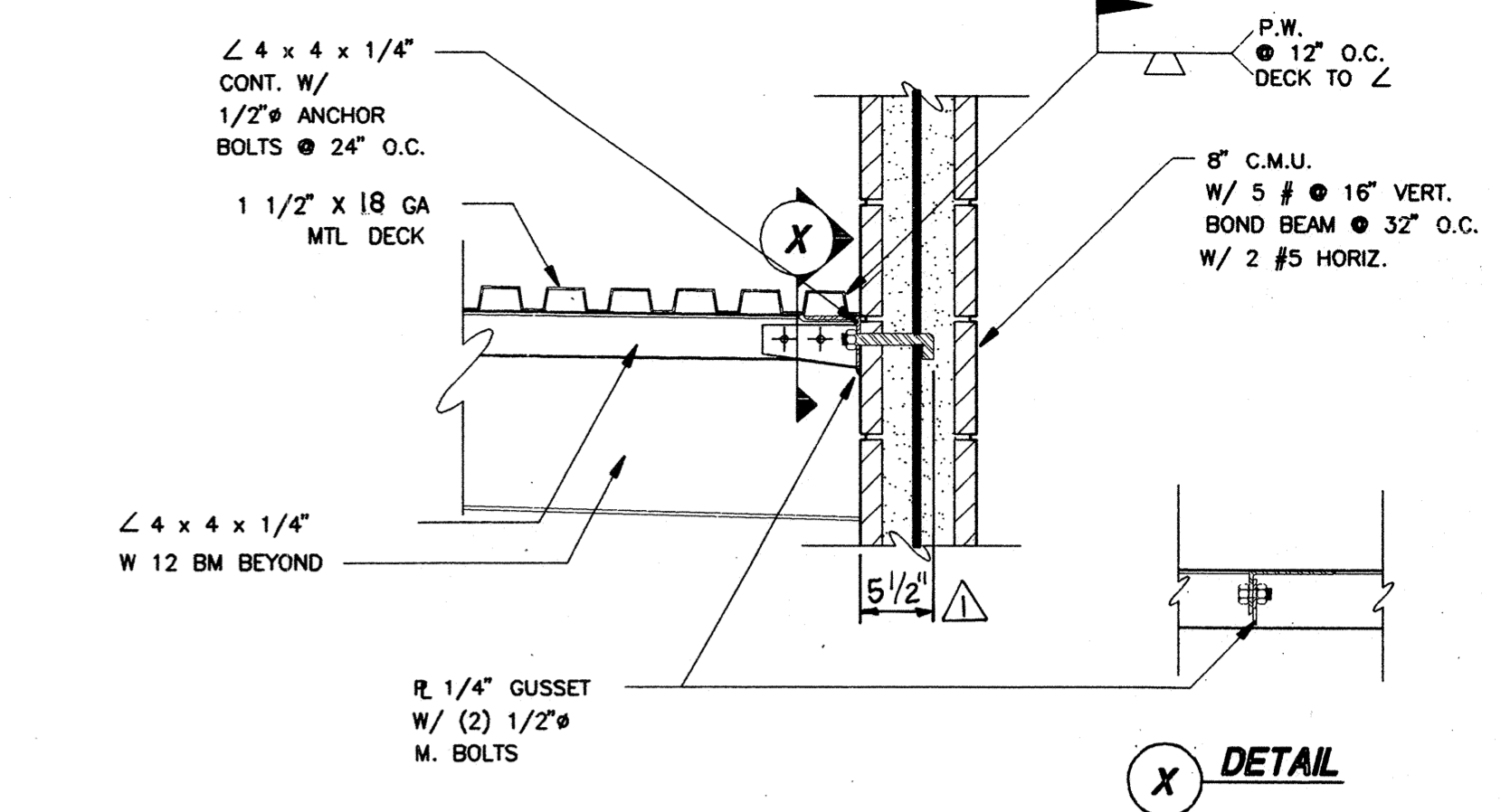
1 SCUPPER DETAIL
 MPS-6 SCALE: 1 1/2" = 1"
 TSSK124



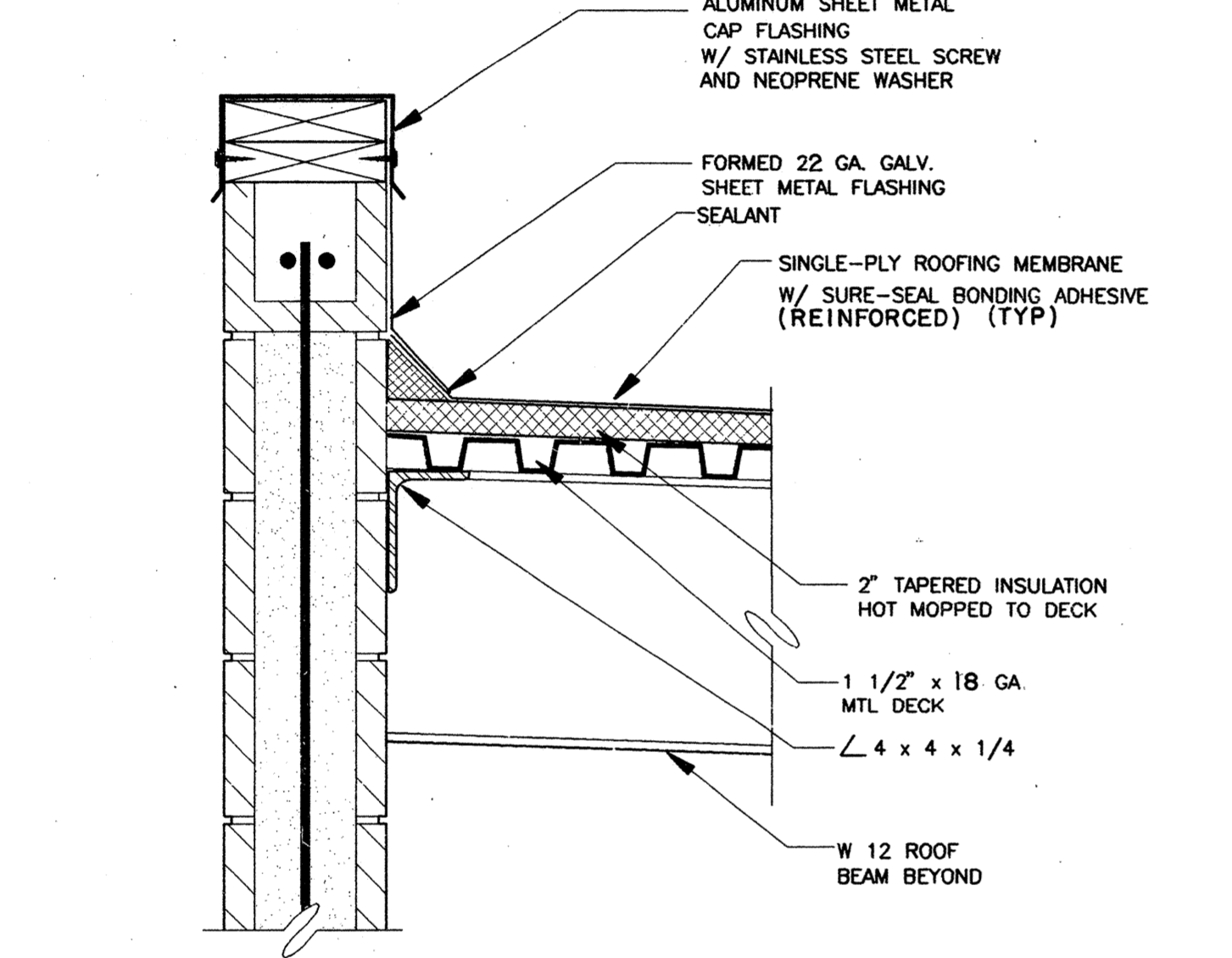
2 SCUPPER PROFILE
 MPS-6 SCALE: 1 1/2" = 1"
 TSSK125



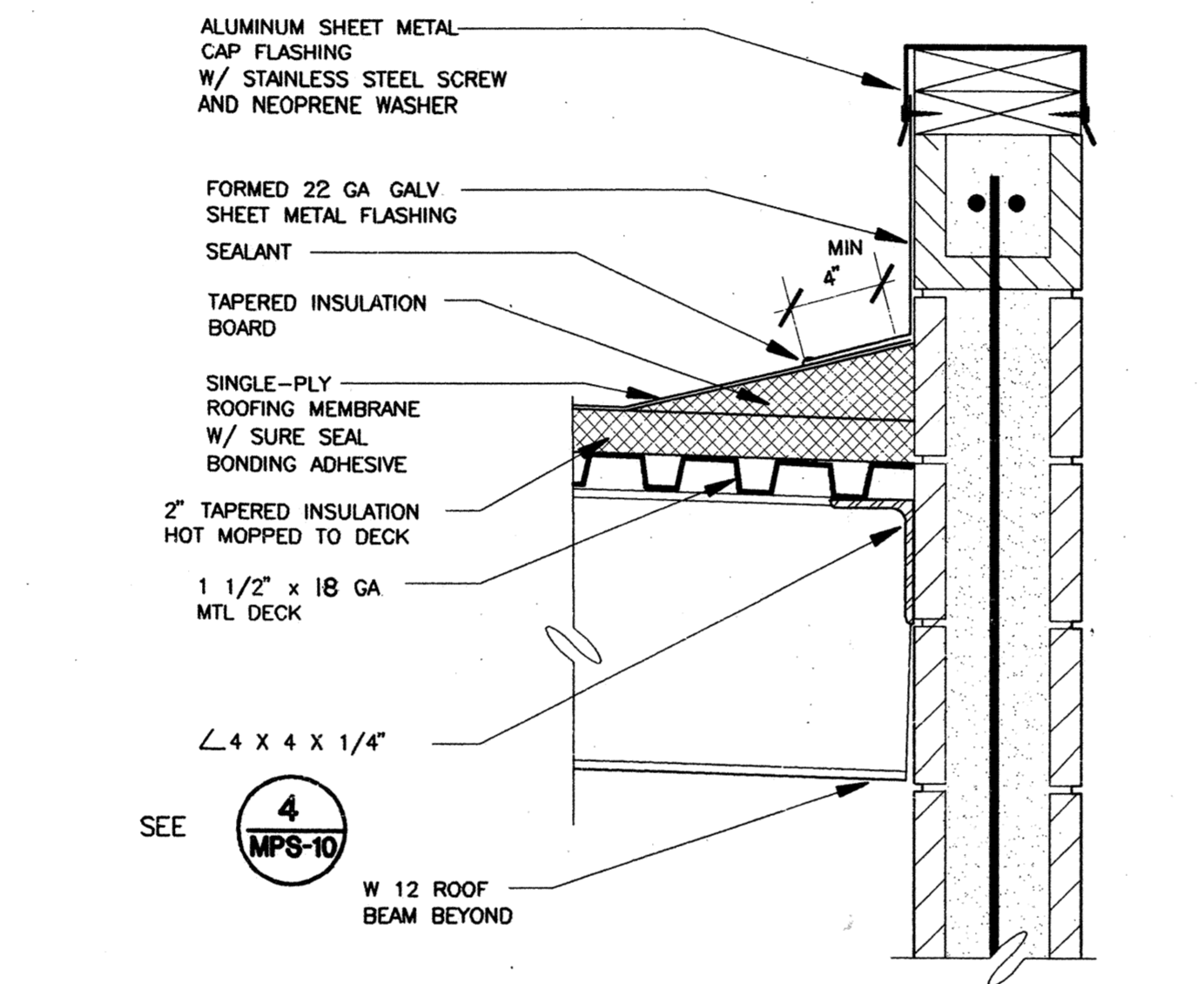
3 SECTION AT ROOF DECK SIDEWALL
 MPS-7 SCALE: 1" = 1'-0"
 TSSK126



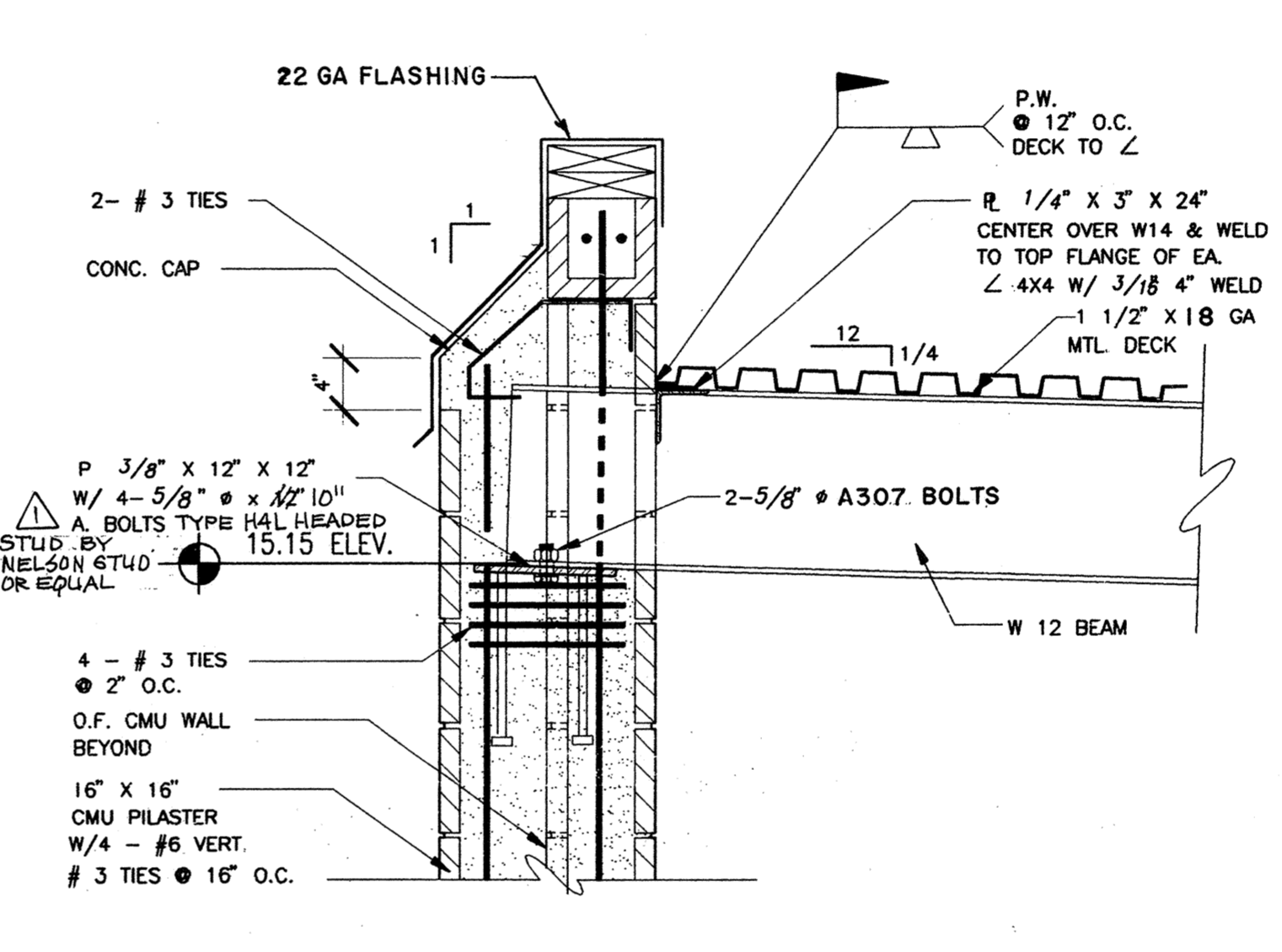
4 SECTION AT ROOF DECK LONG WALL
 MPS-7 SCALE: 1" = 1'-0"
 TSSK127



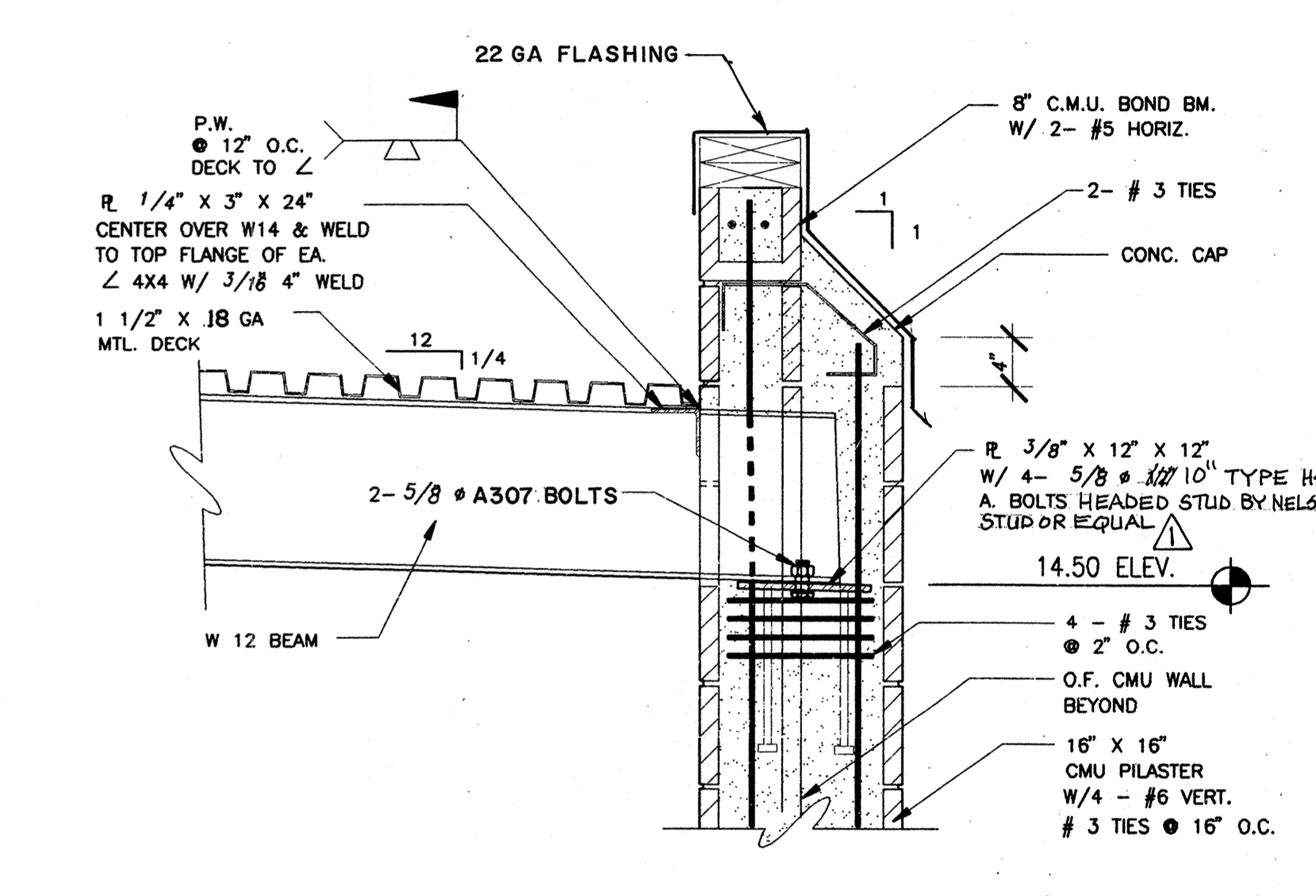
5 FLASHING DETAIL
 SCALE: 1 1/2" = 1"
 TSSK128



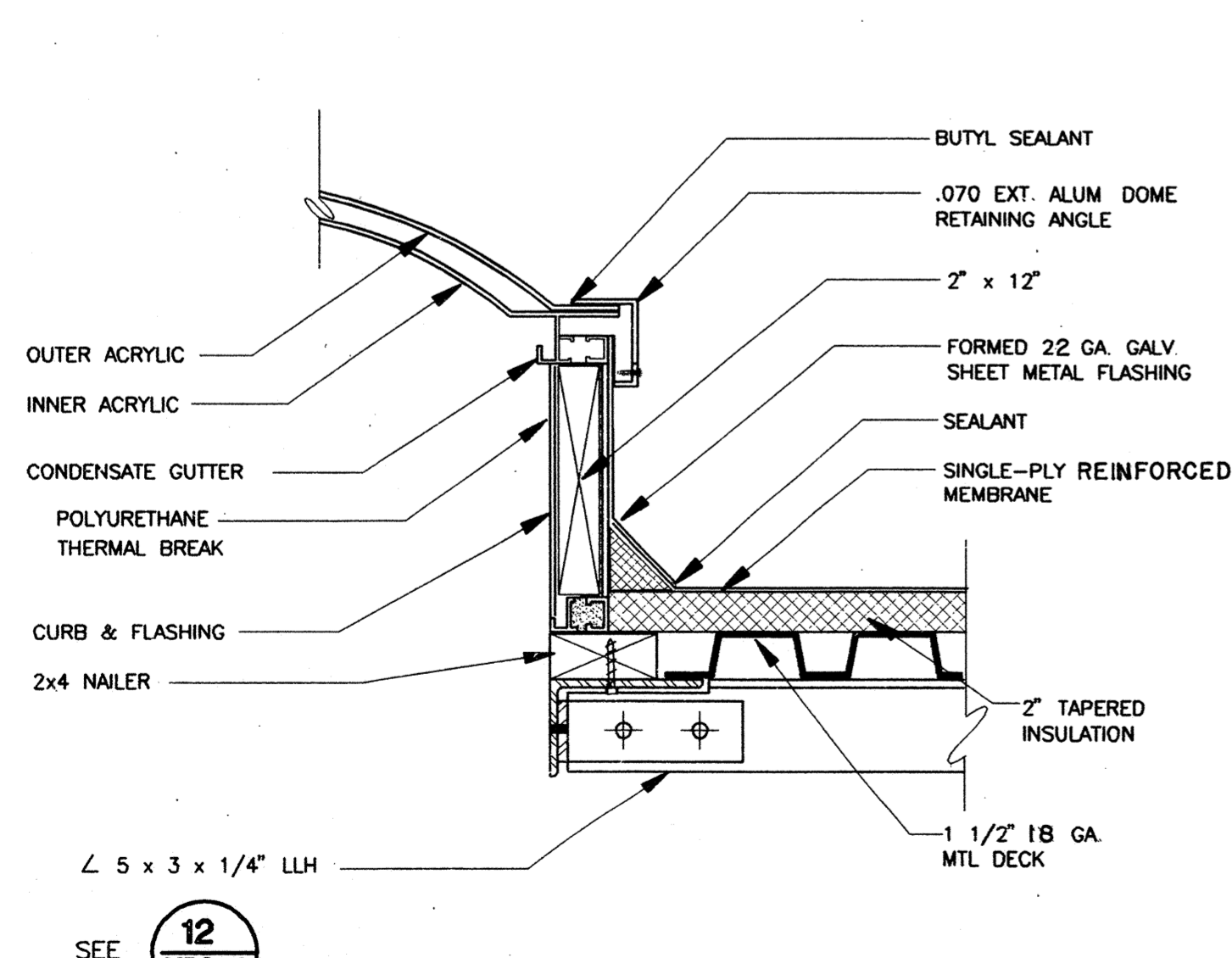
6 TAPER & FLASHING DETAIL
 MPS-6 SCALE: 1 1/2" = 1"
 TSSK129



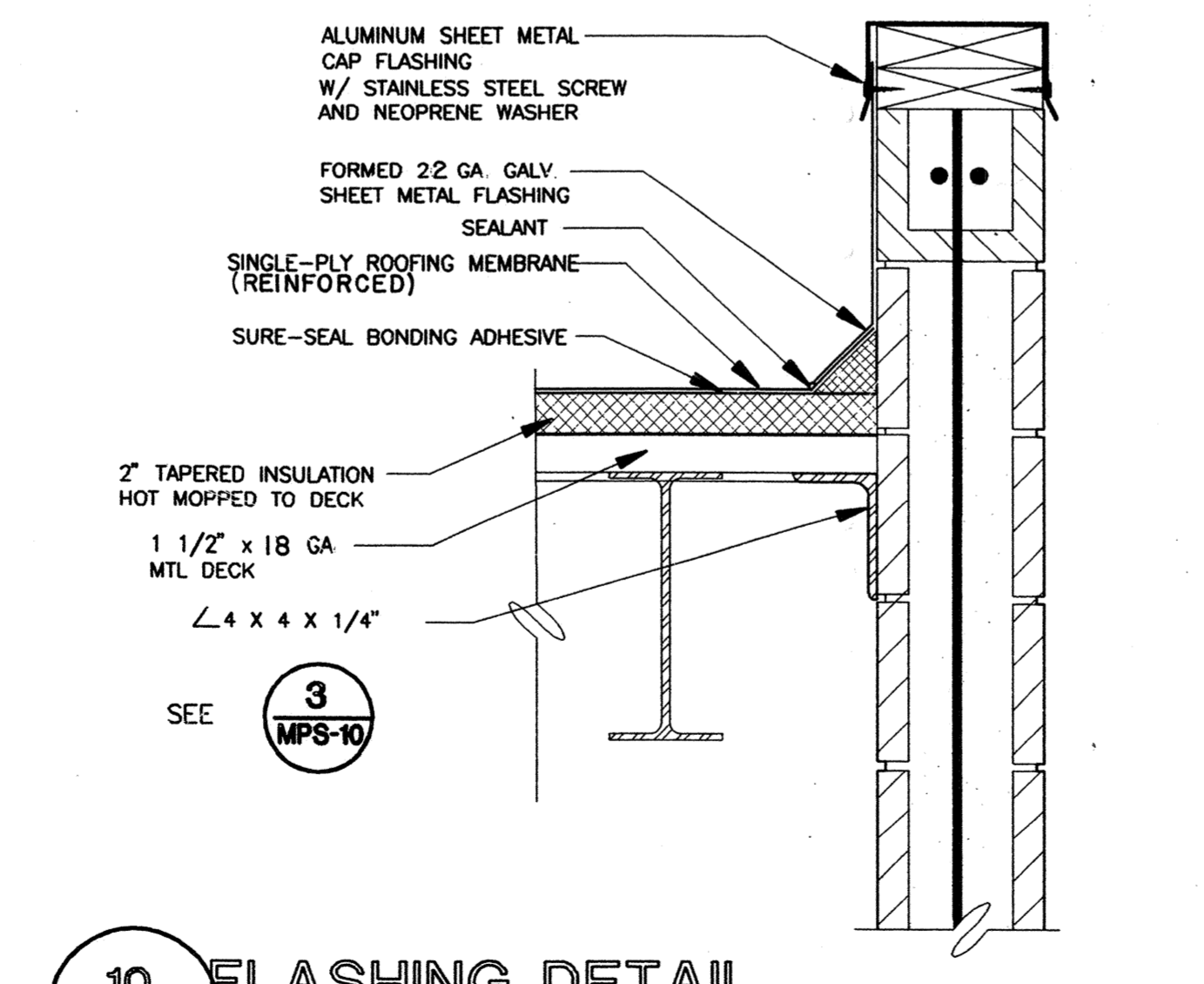
7 SECTION AT ROOF DECK HIGH END
 MPS-7 SCALE: 1" = 1'-0"
 TSSK130



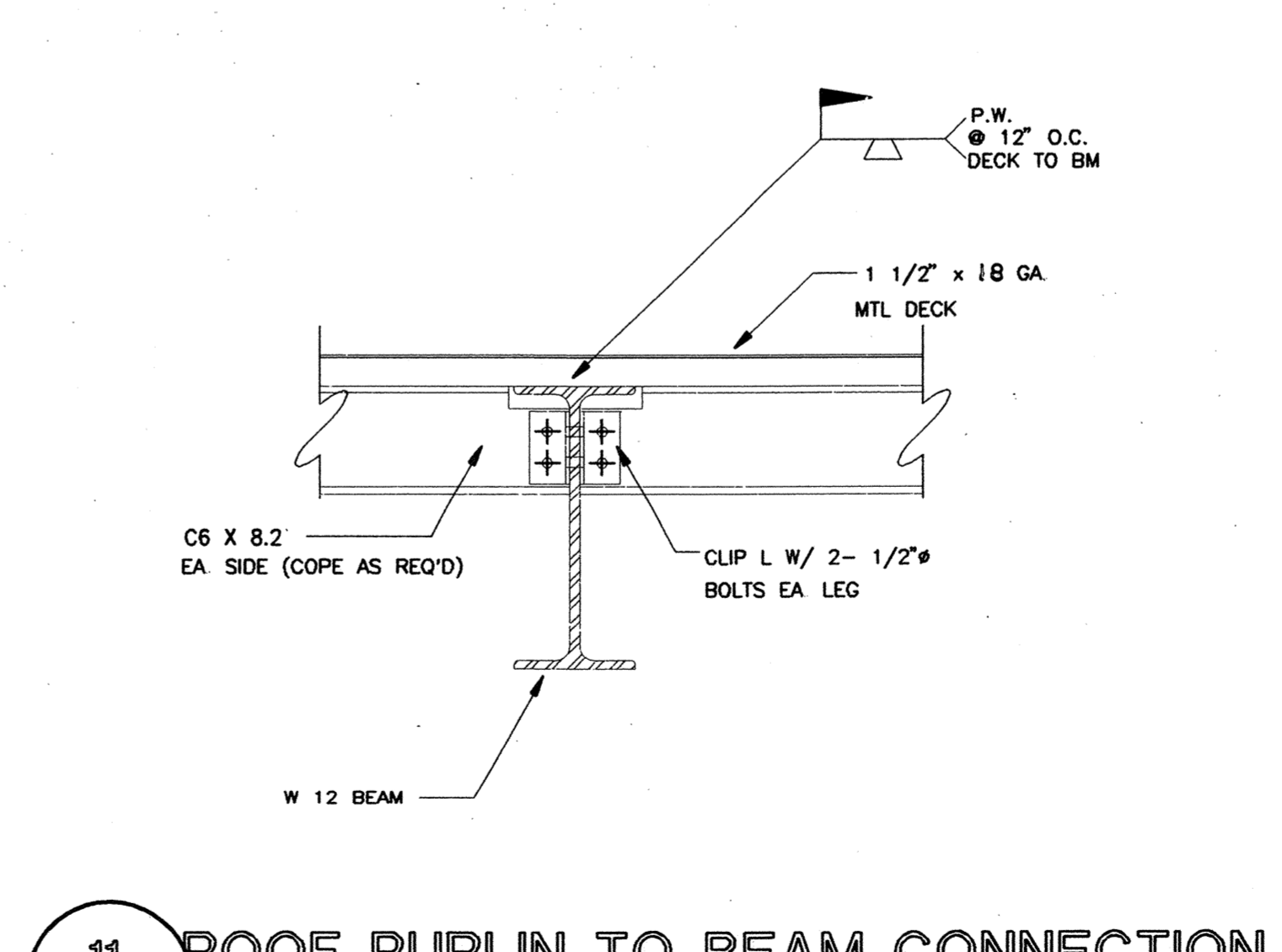
8 SECTION AT ROOF DECK LOW END
 MPS-7 SCALE: 1" = 1'-0"
 TSSK131



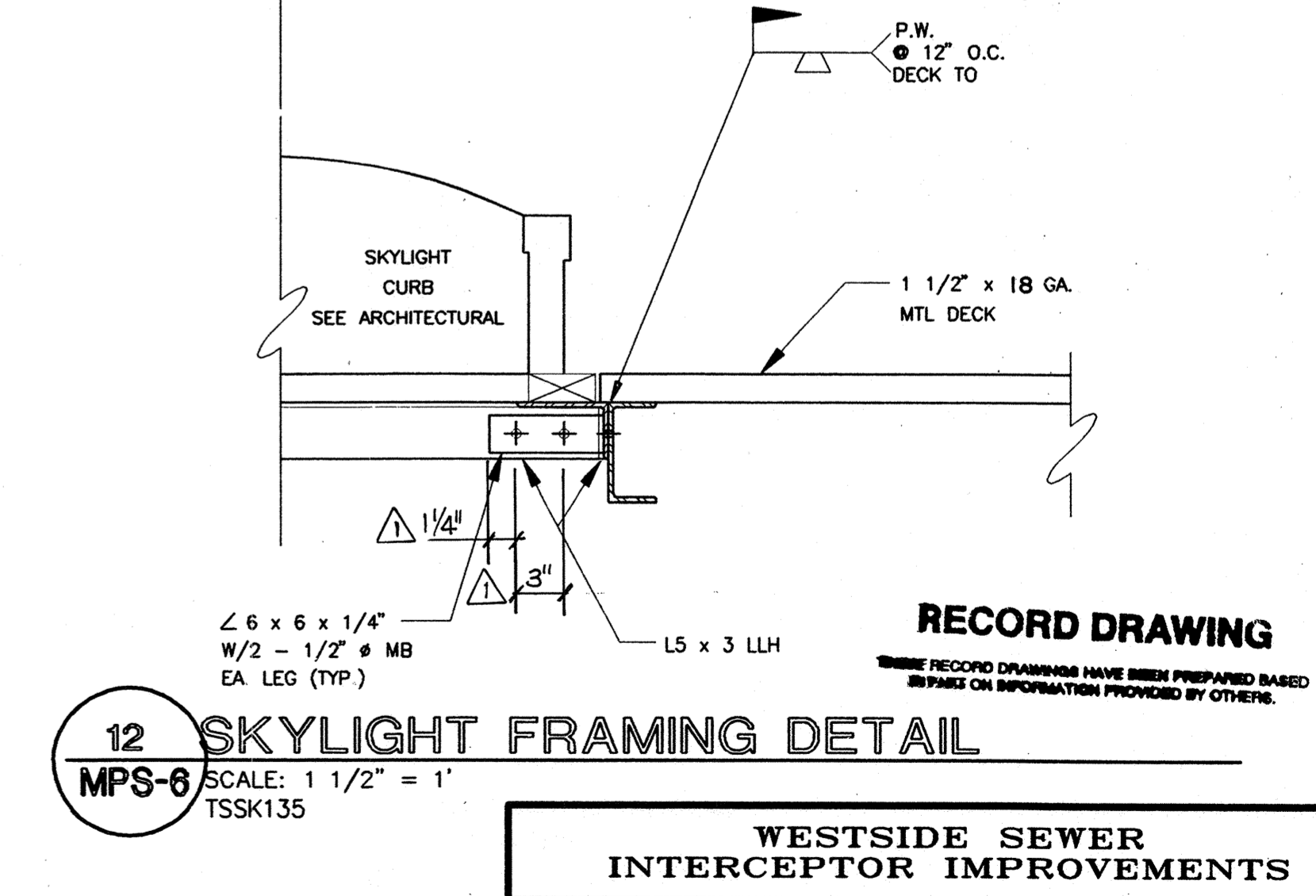
9 SKYLIGHT CURB DETAIL
 MPS-6 SCALE: 1 1/2" = 1"
 TSSK132



10 FLASHING DETAIL
 MPS-6 SCALE: 1 1/2" = 1"
 TSSK133



11 ROOF PURLIN TO BEAM CONNECTION
 MPS-7 SCALE: 1 1/2" = 1"
 TSSK134



12 SKYLIGHT FRAMING DETAIL
 MPS-6 SCALE: 1 1/2" = 1"
 TSSK135

RECORD DRAWING
 THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED UPON ALL INFORMATION PROVIDED BY OTHERS.

XREFS: TSSK124, TSSK125, TSSK126, TSSK127, TSSK128, TSSK129, TSSK130, TSSK131, TSSK132, TSSK133, TSSK134, TSSK135
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1/2000	PG	RECORD DRAWING
		PER CHANGE ORDER
REV.	DATE	BY
		DESCRIPTION

DISCIPLINE ENGINEER
 REGISTERED PROFESSIONAL ENGINEER
 MICHAEL T. PERRY
 No. 44908
 Exp. 3-31-98
 CIVIL
 STATE OF CALIFORNIA

PROJECT ENGINEER
 REGISTERED PROFESSIONAL ENGINEER
 THOMAS E. HANSEN
 No. CS0182
 Exp. 6/29/97
 CIVIL
 STATE OF CALIFORNIA

PARTNER
 REGISTERED PROFESSIONAL ENGINEER
 WALTER A. BIERSON
 No. C20240
 Exp. 12/31/97
 CIVIL
 STATE OF CALIFORNIA

THOMPSON-HYSELL ENGINEERS, INC.

CAROLLO engineers

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
INTERIM 14 MILE PUMP STATION MODIFICATIONS - DETAILS
 DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

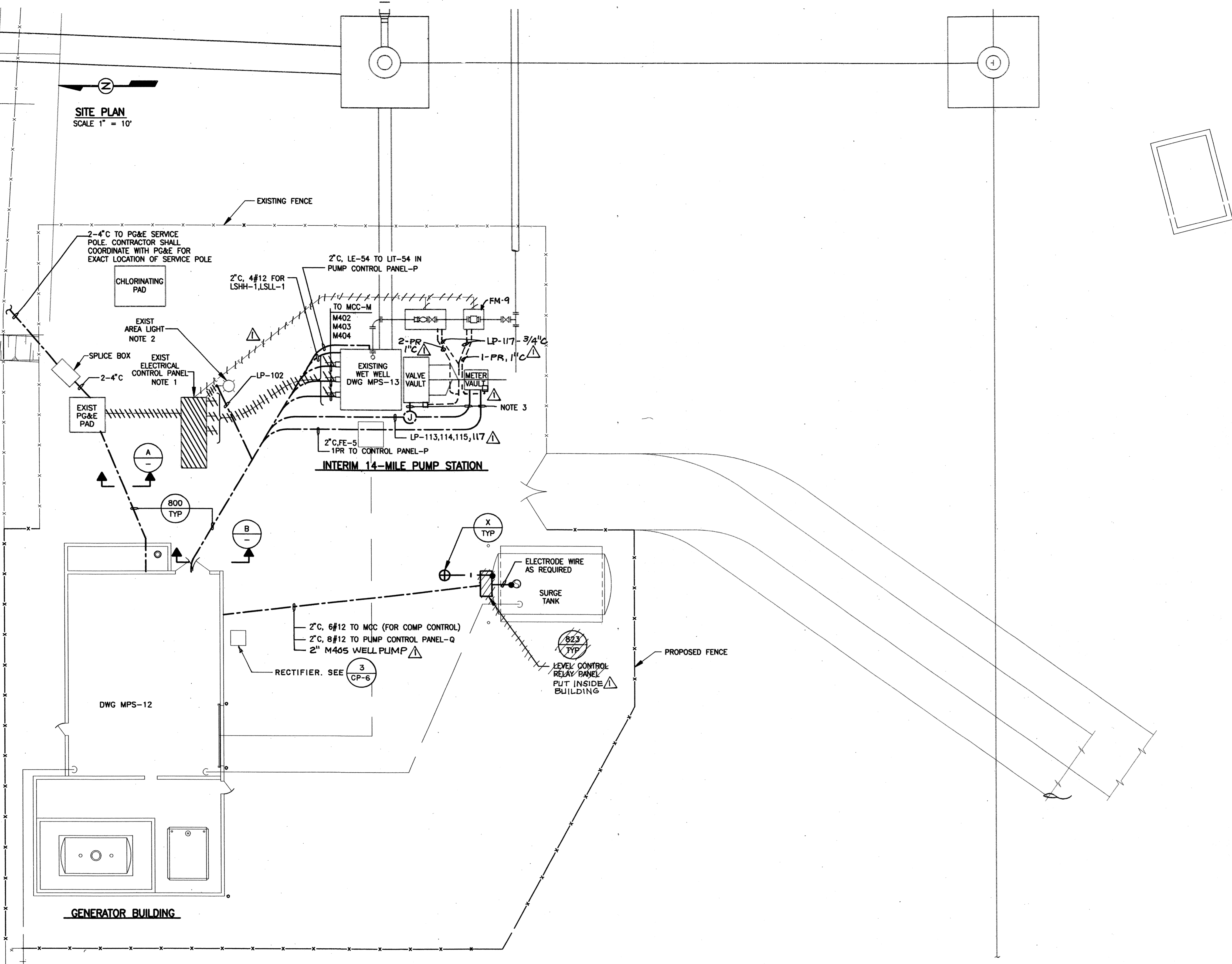
SCALE: AS SHOWN
 DESIGNED: M.P.
 DRAWN: D.S.
 CHECKED: M.P.
 AS BUILT BY: PG

APPROVED BY: [Signature]
 DATE: 8/21/97
 CITY ENGINEER
 STOCKTON, CALIF.

DRAWING NO. **MPS-10**
 SHEET NO. 78 of 100
 JOB NO. 3385D.10

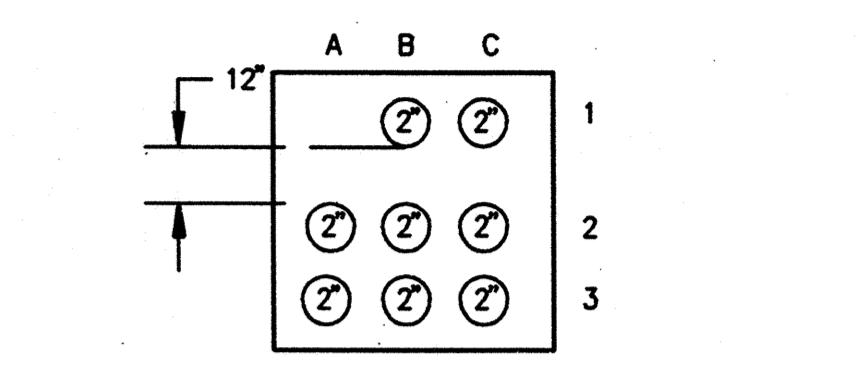
4006.PPCa

SITE PLAN
SCALE 1" = 10'



SECT-A

NO.	SIZE	FILL	CONDUIT	CIRCUIT
A1	4"	*	M-400	
B1	4"	*	M-400	



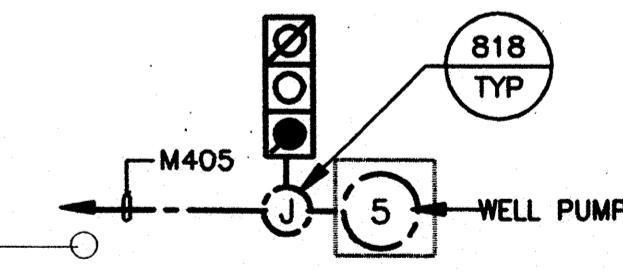
SECT-B

NO.	SIZE	FILL	CONDUIT	CIRCUIT
B1	2"	*		WETWELL LEVEL LE-54
C1	2"	1PR		FLOW METER FE-5
A2	2"	*		LP-102
B2	2"	*		LP-113,114,115
C2	2"	*		LSHH-1,LSLL-1
A3	2"	*	M-402	
B3	2"	*	M-403	
C3	2"	*	M-404	

*--DENOTE SEE SINGLE LINE DIAGRAM FOR WIRE SIZE

- NOTES:**
1. REMOVE EXISTING MOTOR CONTROL CENTER AND ASSOCIATED RACEWAY AND WIRING. RETURN MOTOR CONTROL CENTER TO OWNER.
 2. DISCONNECT AND REMOVE EXISTING 120V CKT WHICH PREVIOUSLY POWERED THE EXISTING AREA LIGHT. INSTALL NEW RACEWAY AND CKT WIRING FROM NEW PANEL-LP LOCATED IN THE NEW GENERATOR BLDG AS SHOWN ON PLAN.
 3. REMOVE EXISTING 120V AND INSTRUMENT WIRING TO METER AND VALVE VAULT AND INSTALL NEW RACEWAY AND WIRING AS SHOWN ON PLAN.

SEE SITE PLAN DWG. MPS-1 FOR EXACT LOCATION OF WELL PUMP AND DISTANCE TO MCC-M



DWG LAST EDITED BY: EPAT USER LOGIN TIME: JULY 9, 1997 7:18 AM DWG LAST EDITED ON: 07/09/97 08:30:01
 DWG NAME: C:\STOCKTON\3385D1\WESTSIDE\MPS-11.DWG
 XREFS: BDR | CHP | JO | WAB | BEM |

RECORD DRAWING
THIS RECORD DRAWING HAS BEEN PREPARED BASED ON PLANS OR INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

FOURTEENMILE PUMP STATION
ELECTRICAL SITE PLAN

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: AS NOTED	APPROVED BY: RPW	DRAWING NO. MPS-11
DESIGNED: PK	DATE: 8/2/97	SHEET NO. 79 OF 100
DRAWN: WJB	CITY ENGINEER: <i>Paul M. Sanborn</i>	JOB NO. 3385D.10
CHECKED: JA	STOCKTON, CALIF.	
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING

DISCIPLINE ENGINEER: *George Acosta* (No. 68757, Exp. 6/30/00)

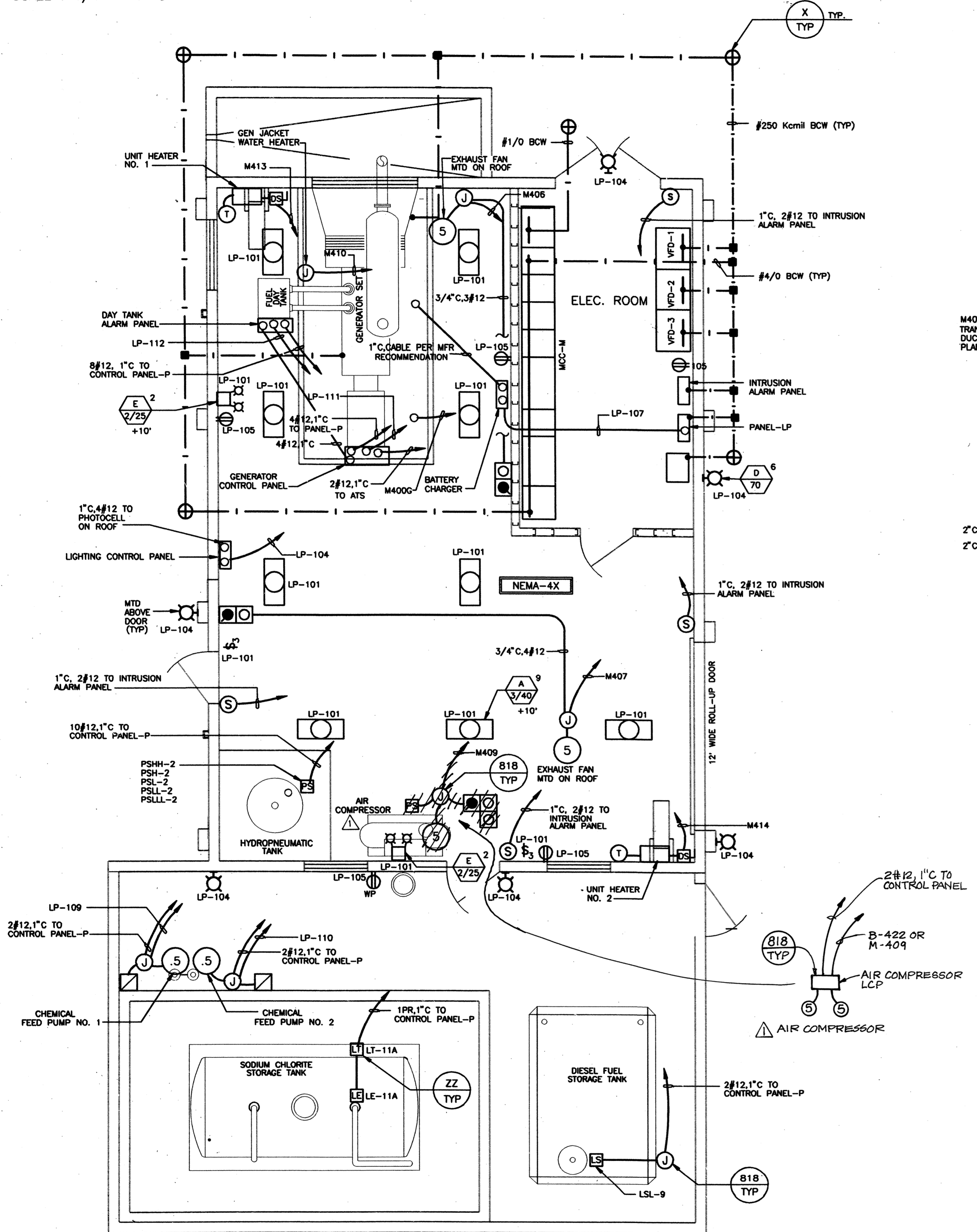
PROJECT ENGINEER: *Henry E. Hammond* (No. C50182, Exp. 4/30/99)

PARTNER: *Walter A. Bishop* (No. C20240, Exp. 9/30/97)

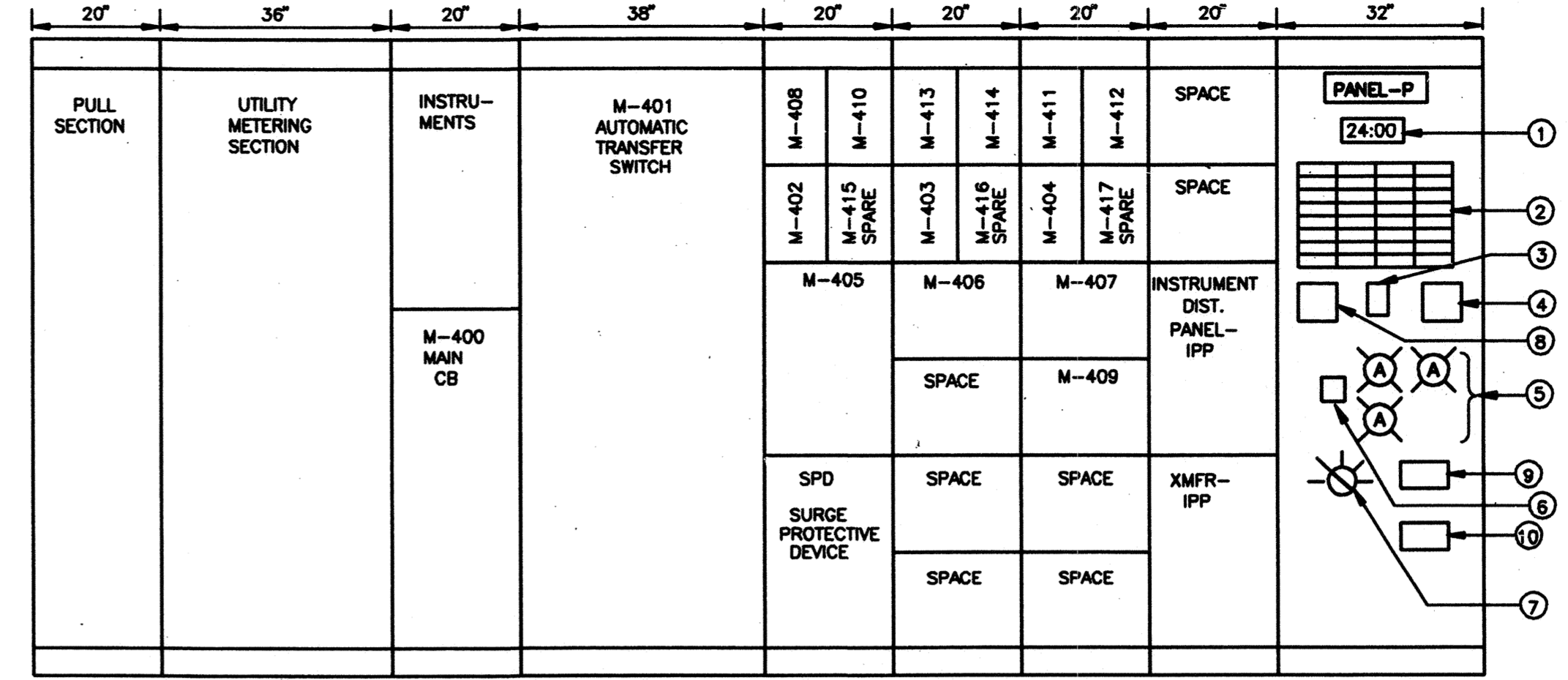


4006.78Ca

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

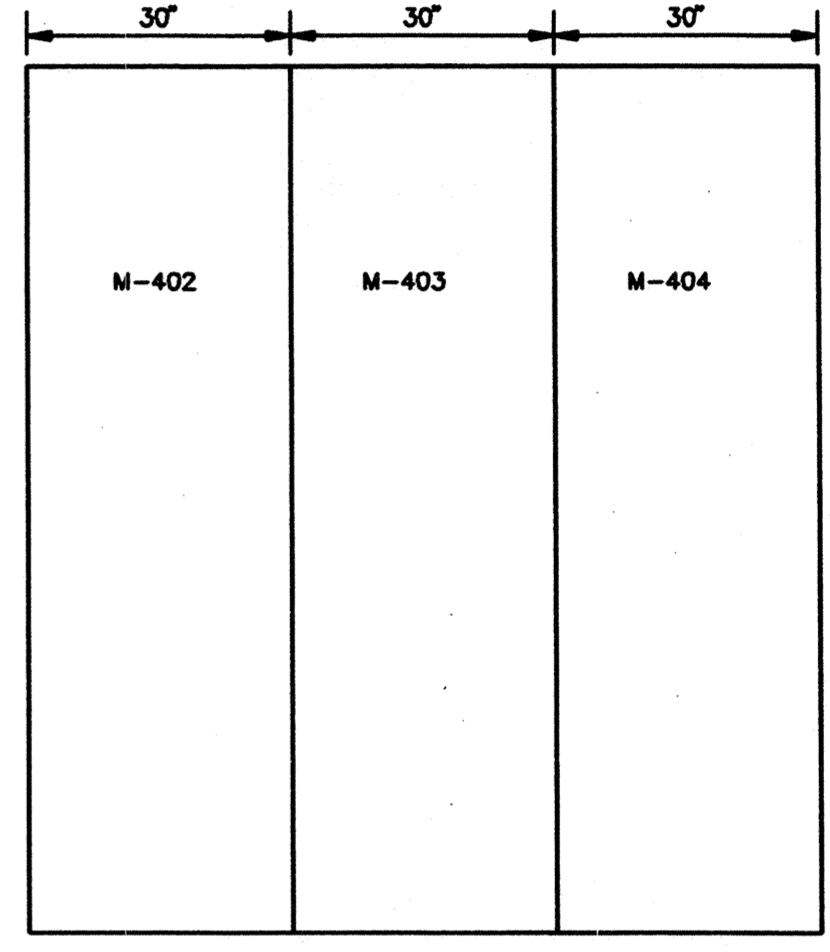


A GENERATOR BUILDING POWER AND LIGHTING PLAN
1/4" = 1'-0"
PLAN 1

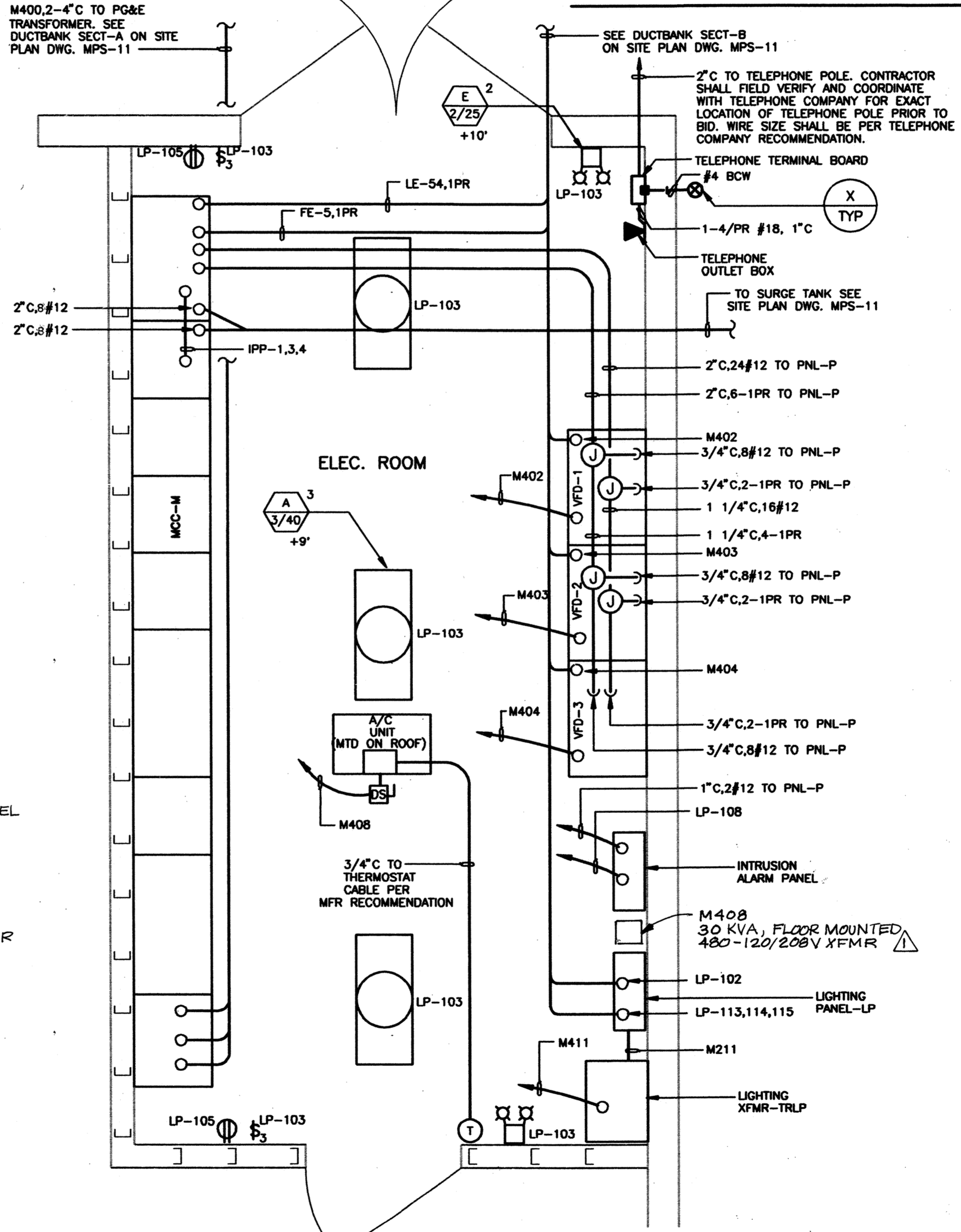


MOTOR CONTROL CENTER M - FRONT ELEVATION

NAMEPLATE SCHEDULE	
PANEL-P	
1	TIME CLOCK "KT"
2	ANNUNCIATOR
3	FLOW RECORDER FIR-5 WITH TOTALIZER FQS
4	PUMP CONTROLLER
5	AMBER INDICATING LIGHT SEWAGE PUMP ROOM
6	VAULT METER FLOW TRANSMITTER FT-5
7	SEWAGE PUMP LEAD LEAD PUMP SELECTOR 1-2-3
8	TIME PROGRAMMER "KS" FOR CHEMICAL FEED PUMPS
9	WETWELL LIT-54
10	LEVEL CONTROLLER LIT-11A



VFD - FRONT ELEVATION



B ELECTRICAL ROOM POWER AND LIGHTING PLAN
1/2" = 1'-0"

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED UPON THE INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS			
FOURTEENMILE PUMP STATION PLAN AT EL 1.00 LIGHTING, POWER AND MCC			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS NOTED	APPROVED BY: <i>[Signature]</i>	DATE: <i>[Date]</i>	DRAWING NO. MPS-12
DESIGNED: PK			SHEET NO. 80 OF 100
DRAWN: WJB			JOB NO. 3385D.10
CHECKED: JA			
AS BUILT BY: PG			

REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING

DISCIPLINE ENGINEER
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C50182
Exp. 6/30/00

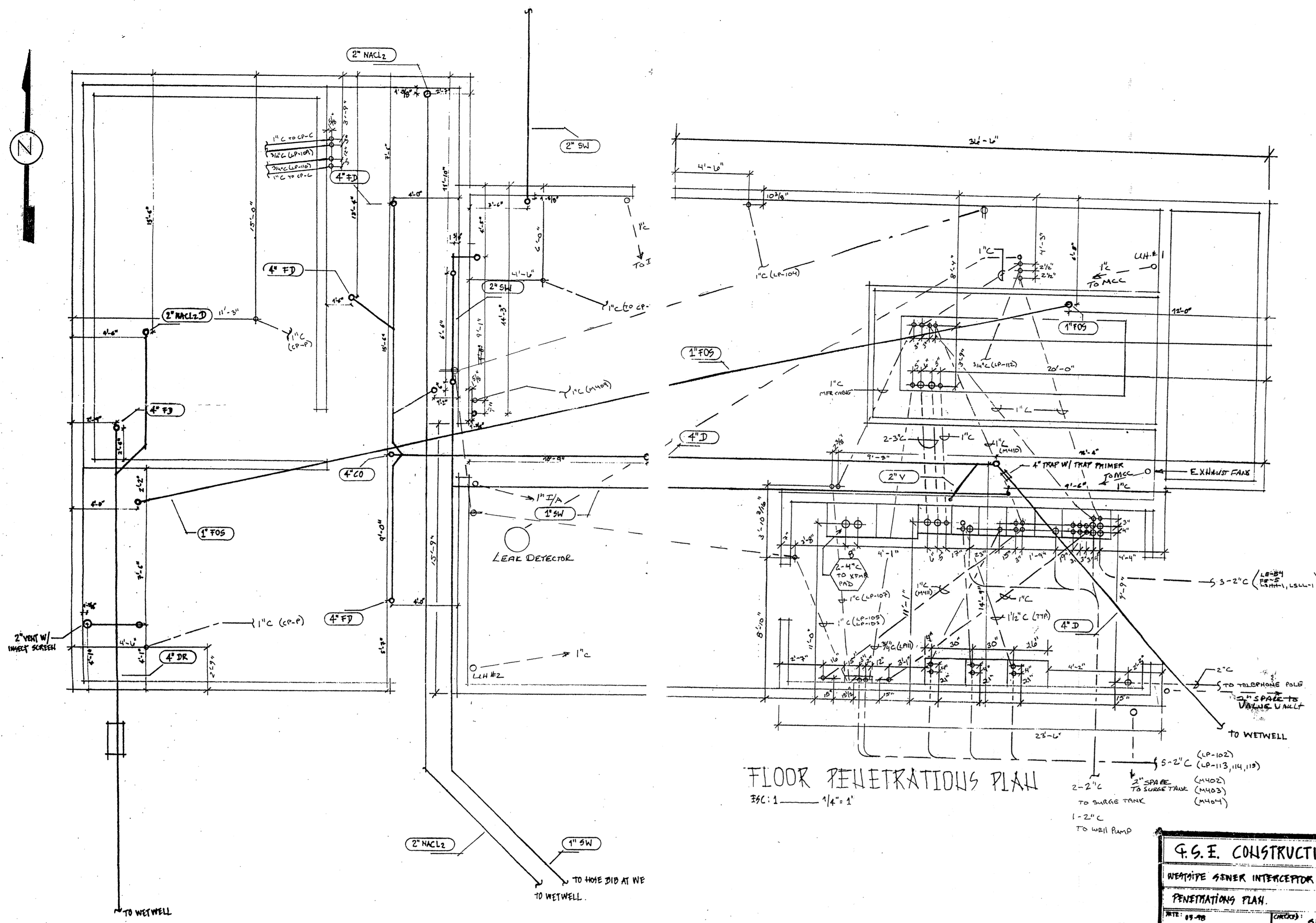
PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C20240
Exp. 6/30/00

PARTNER
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C20240
Exp. 6/30/00

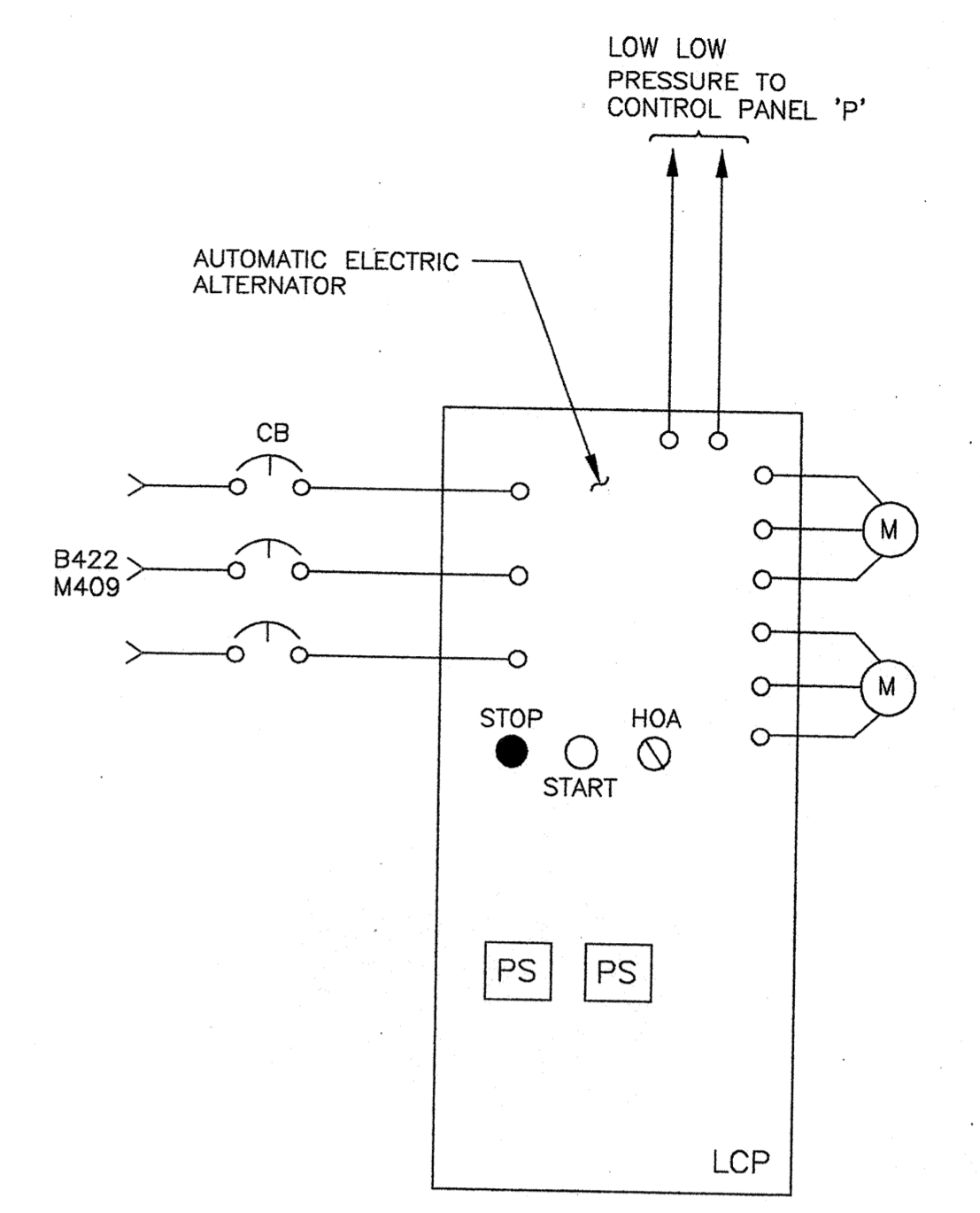


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 XREFS: BOR1.CHP | CP | LP | WAB | BKH |

4.006.79Ca



FLOOR PENETRATIONS PLAN
SCALE: 1/4" = 1'-0"



56 SURGE TANK AIR COMPRESSOR
(REPLACED SCHEMATIC)

G. S. E. CONSTRUCTION
WESTSIDE SEWER INTERCEPTOR - CITY OF STOCKTON
PENETRATIONS PLAN
DATE: 09-78
SCALE: 1/4" = 1'-0"
CHECKED: SM
DRAWN: HM

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON PART OR INFORMATION PROVIDED BY OTHERS.

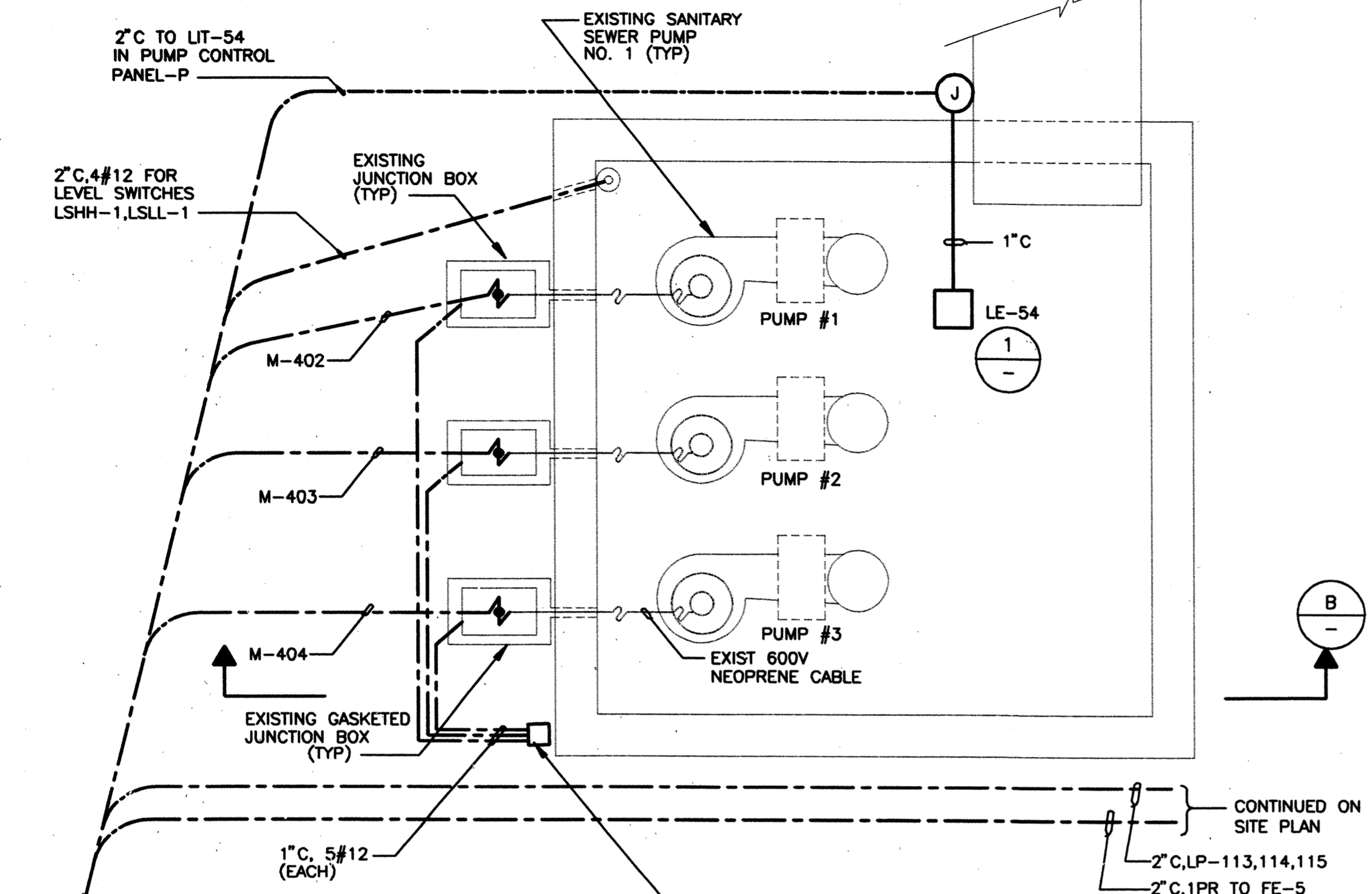
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ELECTRICAL RECORD DRAWING DETAILS		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
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DESIGNED: BEH	DATE: JAN 2000	SHEET NO. 80A OF 100
DRAWN: PG		JOB NO. 3385F.10
CHECKED: _____	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: PG		

REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWINGS

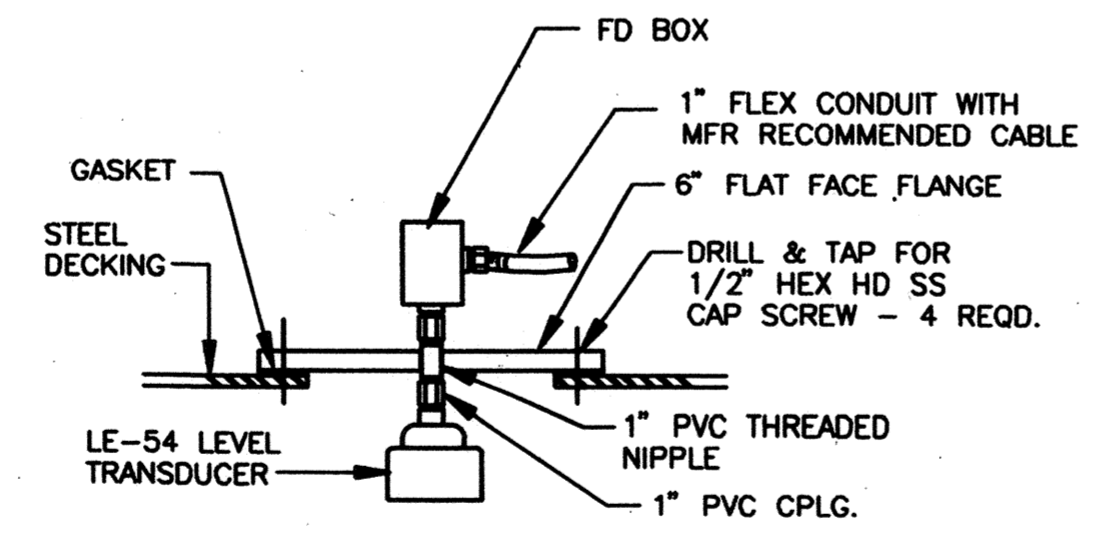
REVISI... FOR RECORD
SEE ORIGINAL FOR SIGNED STAMPS

DISCIPLINE ENGINEER
PROJECT ENGINEER
PARTNER

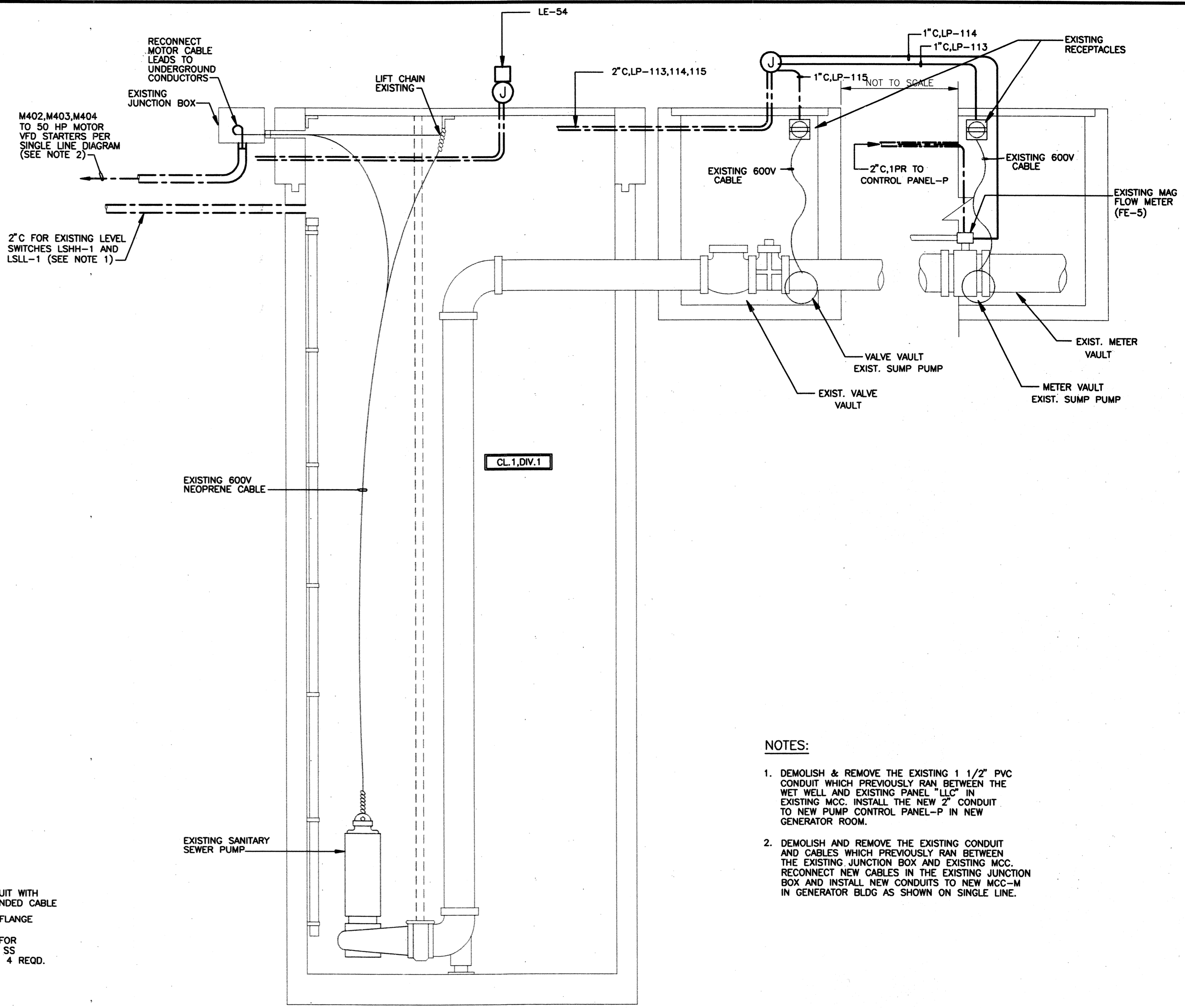




A
EXISTING SUMP PLAN
1/2" = 1'-0"
WESTK200



1
TRANSUCER MOUNTING
N.T.S.



B
EXISTING SECTION THRU SUMP
1/2" = 1'-0"
WESTK201

- NOTES:**
1. DEMOLISH & REMOVE THE EXISTING 1 1/2" PVC CONDUIT WHICH PREVIOUSLY RAN BETWEEN THE WET WELL AND EXISTING PANEL "LLC" IN EXISTING MCC. INSTALL THE NEW 2" CONDUIT TO NEW PUMP CONTROL PANEL-P IN NEW GENERATOR ROOM.
 2. DEMOLISH AND REMOVE THE EXISTING CONDUIT AND CABLES WHICH PREVIOUSLY RAN BETWEEN THE EXISTING JUNCTION BOX AND EXISTING MCC. RECONNECT NEW CABLES IN THE EXISTING JUNCTION BOX AND INSTALL NEW CONDUITS TO NEW MCC-M IN GENERATOR BLDG AS SHOWN ON SINGLE LINE.

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 DWG LAST EDITED ON: 07/09/87 08:37:50
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 XREFS: BDR | WESTK200 | WESTK201 | CHP | J | BMB | BBH |

RECORD DRAWING
THIS RECORD DRAWING HAS BEEN PREPARED BASED UPON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
FOURTEENMILE PUMP STATION SEWAGE PUMP - PLAN AND SECTION		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: NONE	APPROVED BY: <i>RAW</i> DATE: 4/1/87	DRAWING NO. MPS-13
DESIGNED: PK	CITY ENGINEER	SHEET NO. 81 OF 100
DRAWN: WB	CITY ENGINEER	JOB NO. 3385D.10
CHECKED: JA	CITY ENGINEER	
AS BUILT BY: PG	CITY ENGINEER	

REV.	DATE	BY	DESCRIPTION
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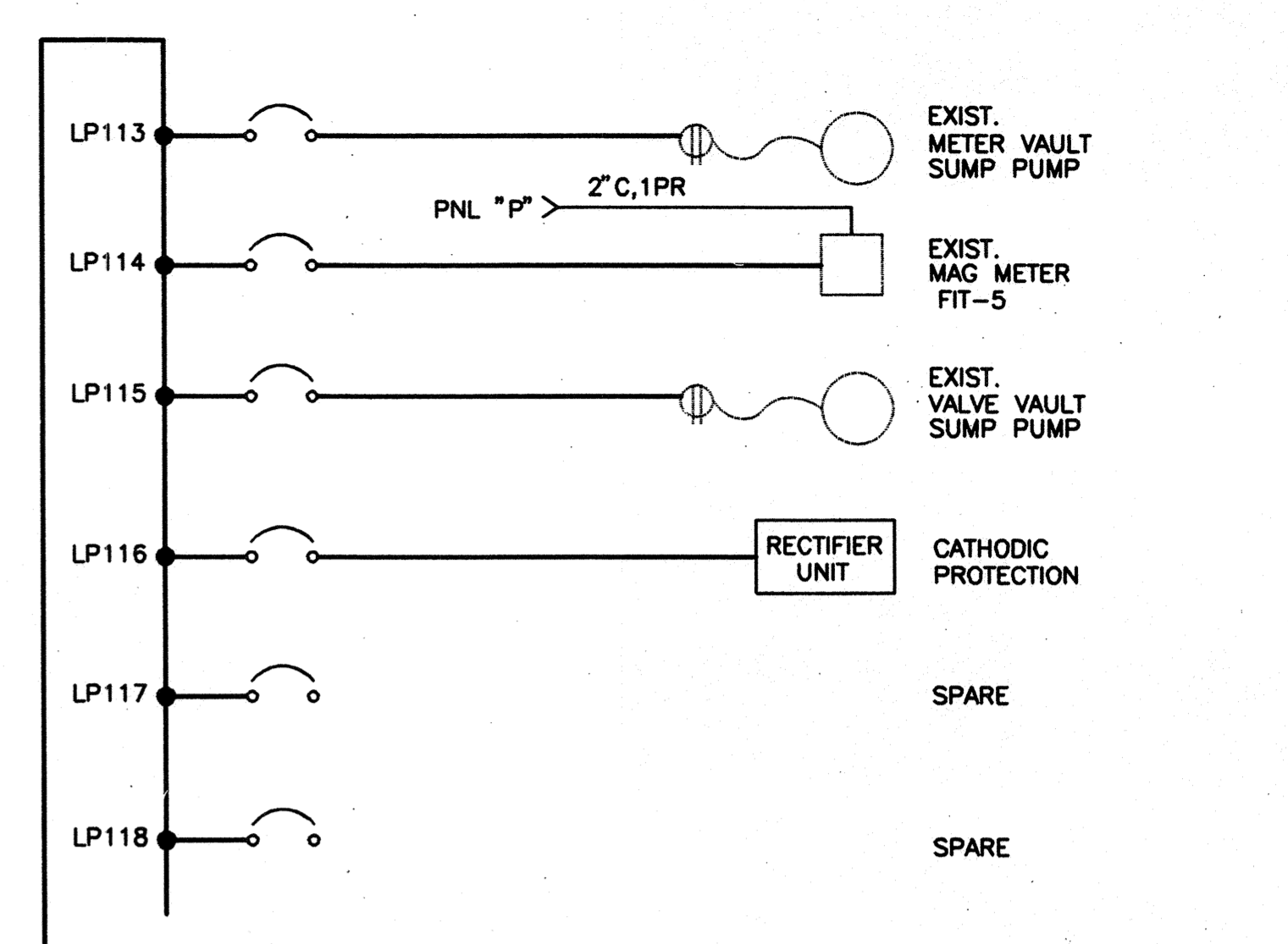
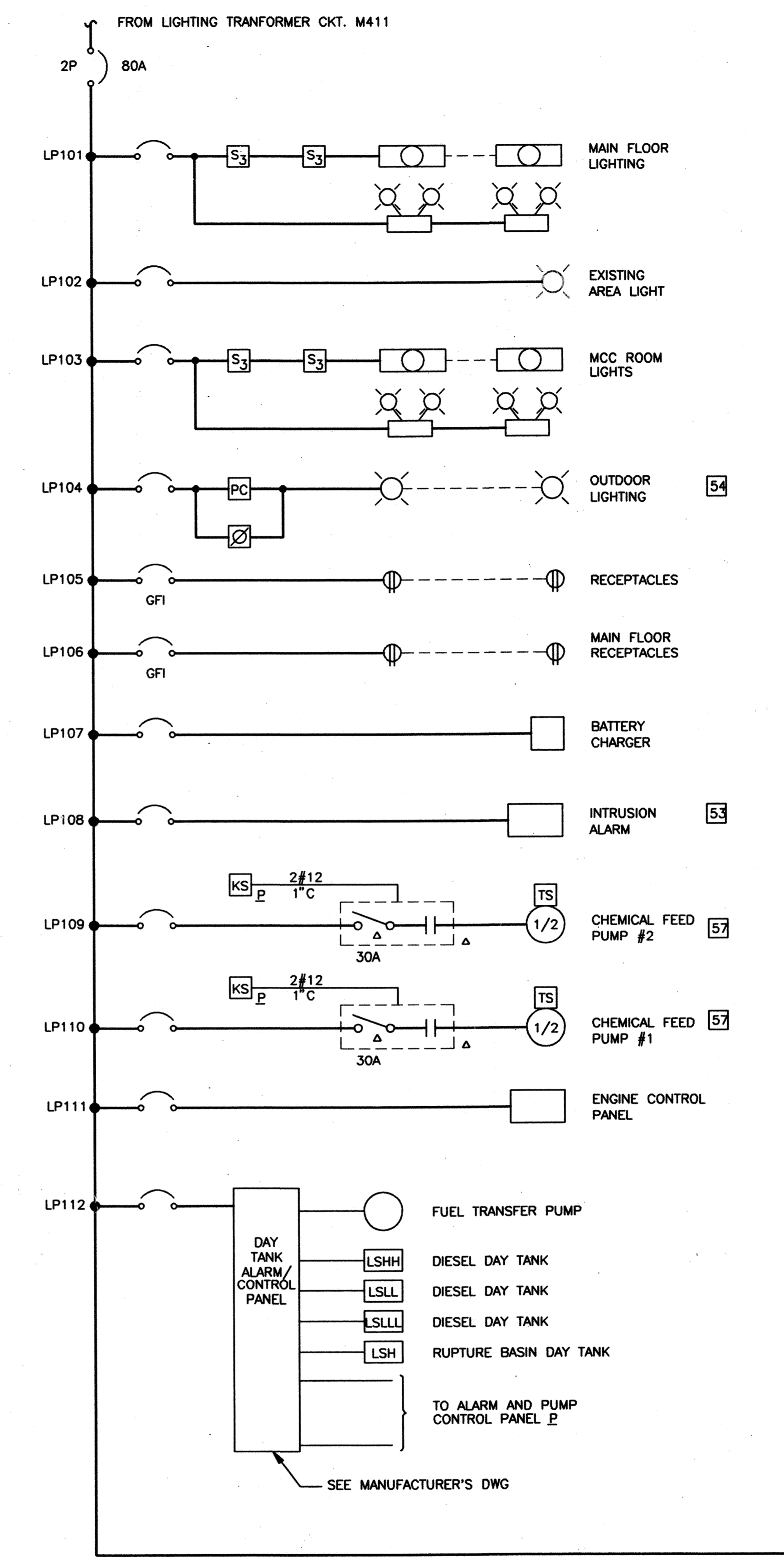
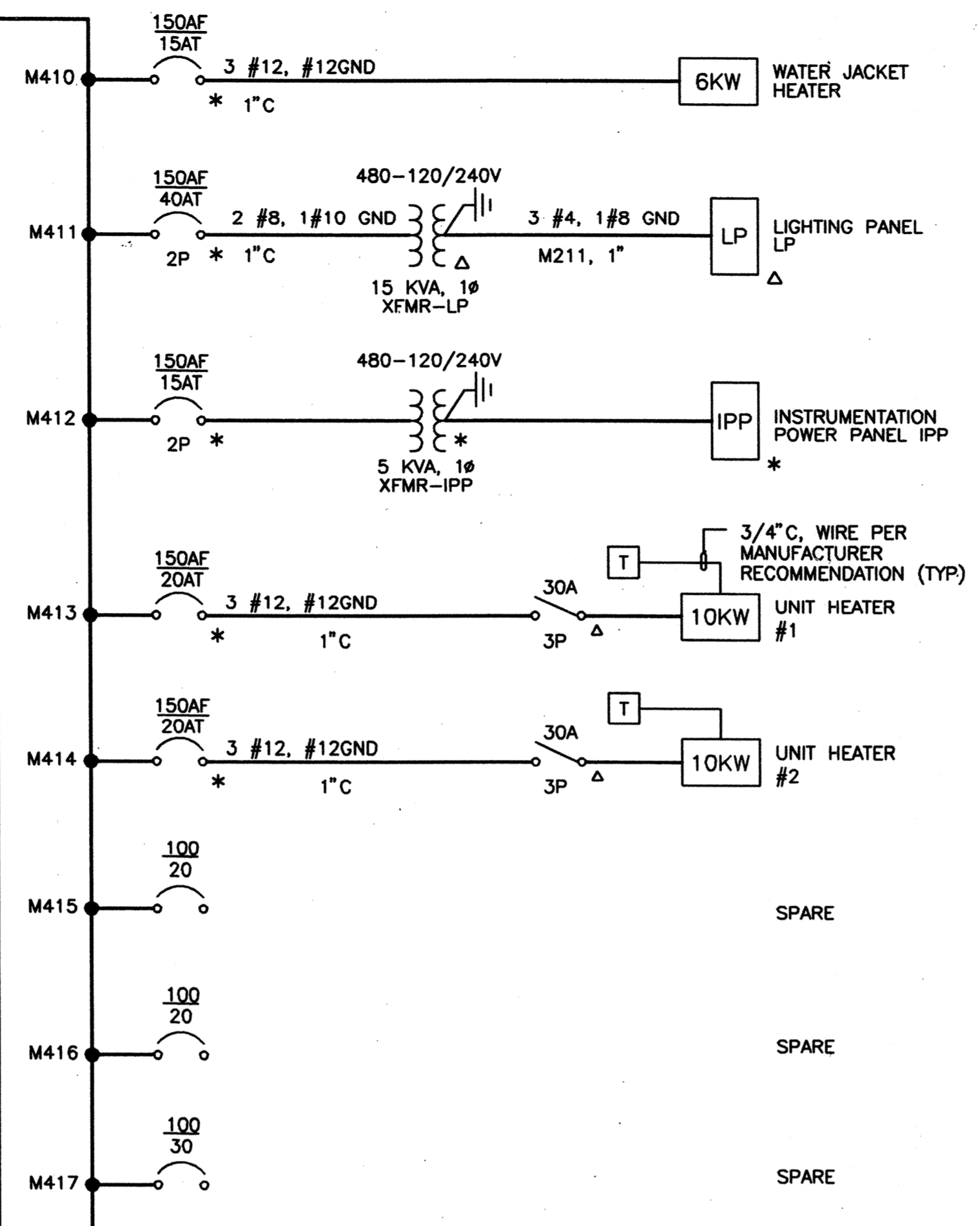
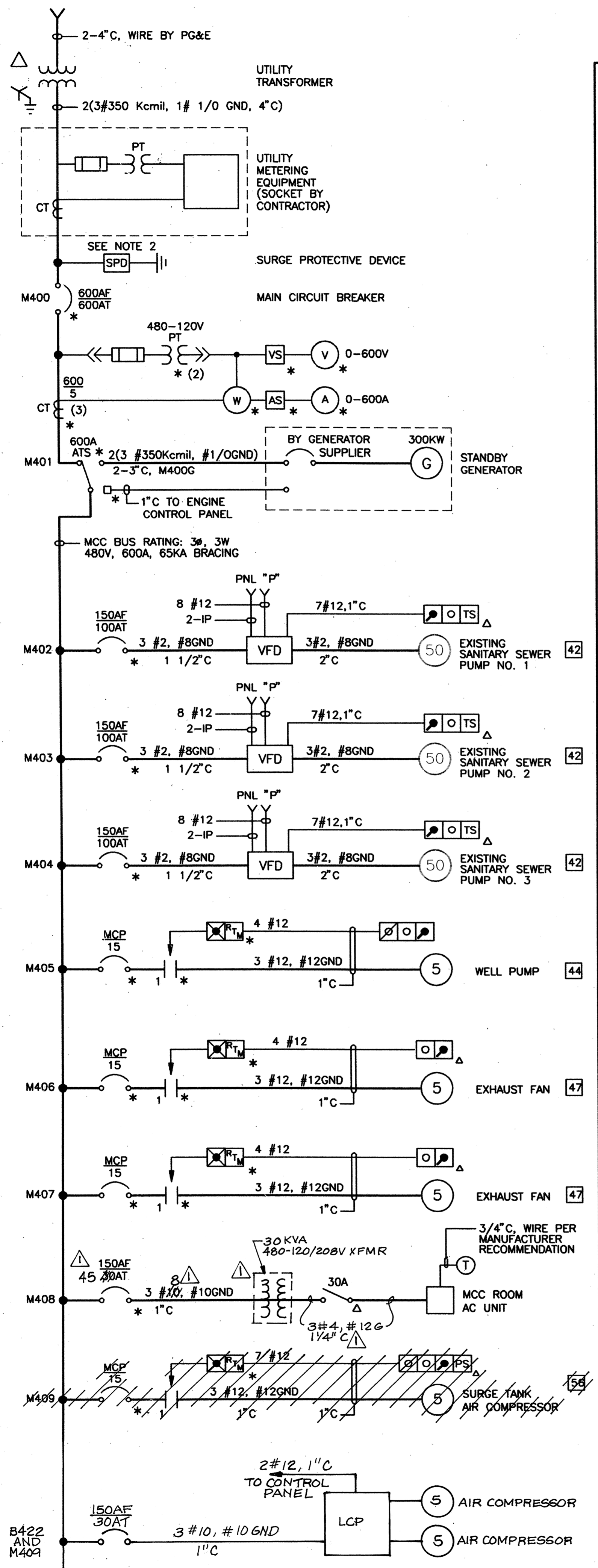
DISCIPLINE ENGINEER

PROJECT ENGINEER

PARTNER



4006.80Ca



LIGHTING PANEL "LP"

NOTES:

- UNLESS OTHERWISE NOTED:
ALL 480V BREAKERS ARE 3-POLE
ALL 120V BREAKERS ARE 1-POLE, 20A
ALL 120V CIRCUITS ARE 2#12+#12GND IN 1" C IF EMBEDDED OR 3/4" C IF EXPOSED.
- LIGHTNING AND SURGE PROTECTION UNIT SHALL BE A COMBINATION OF LIGHTNING ARRESTER AND SURGE CAPACITOR. SEE SPECIFICATION.

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

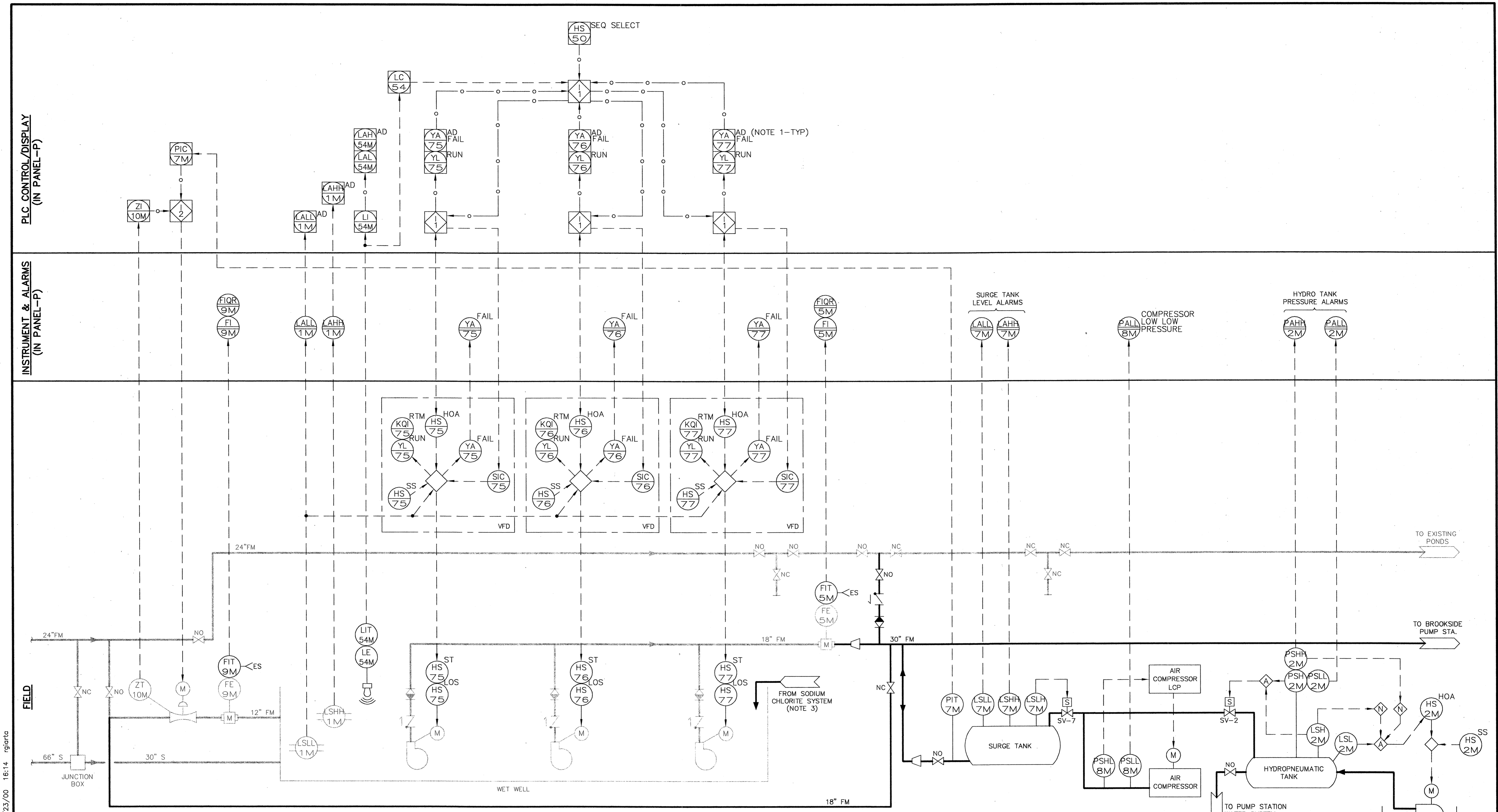
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS			
FOURTEENMILE PUMP STATION			
SINGLE LINE DIAGRAM			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE:	NONE	APPROVED BY:	DATE:
DESIGNED:	PK	RPW	8/21/07
DRAWN:	LS	CITY ENGINEER	
CHECKED:	JA	STOCKTON, CALIF.	
AS BUILT BY:	PG	DRAWING NO.	MPS-14
		SHEET NO.	82 OF 100
		JOB NO.	33850.10

DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER	
REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING



4006-81Ca

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 DWG NAME: C:\STOCKTON\33850\10\WESTSIDE.DWG
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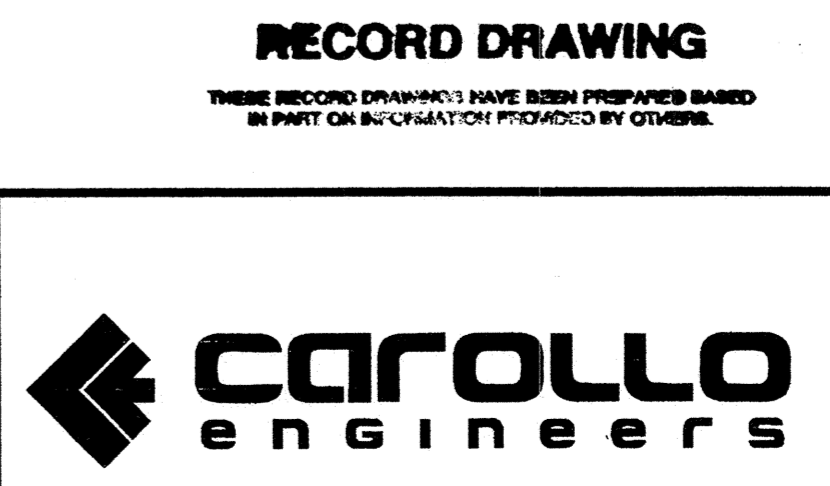
INTERLOCK NOTES:
 I-1 FOR PUMP SEQUENCE CONTROL DESCRIPTION, REFER TO SPECIFICATION 175000.20C.
 I-2 FOR PRESSURE CONTROL LOOP DESCRIPTION, REFER TO SPECIFICATION 175000.20C ON "14 MILE INTERIM PUMP STATION CONTROL."

GENERAL NOTES:
 1. ALL ALARMS SHOWN WITH "AD" IN THE PLC SHALL BE ALSO PART OF THE AUTO DIALER SCHEME PER SPECIFICATION 170500.10.
 2. FOR OTHER ALARMS INCLUDING THE INTRUSION ALARMS & ALARMS ON THE GENERATOR SYSTEM & THE SODIUM CHLORITE SYSTEM, REFER TO DRAWINGS E-4 & E-5.
 3. REFER TO DWG BPS-7 FOR PIPING DIAGRAM OF SODIUM CHLORITE SYSTEM.

LEGEND
 FM FORCED MAIN
 S SEWAGE
 AND "AND" LOGIC
 NOT "NEGATION" LOGIC

REV.	DATE	BY	DESCRIPTION
1	3/00	BEH	RECORD DRAWING

DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER
---------------------	------------------	---------



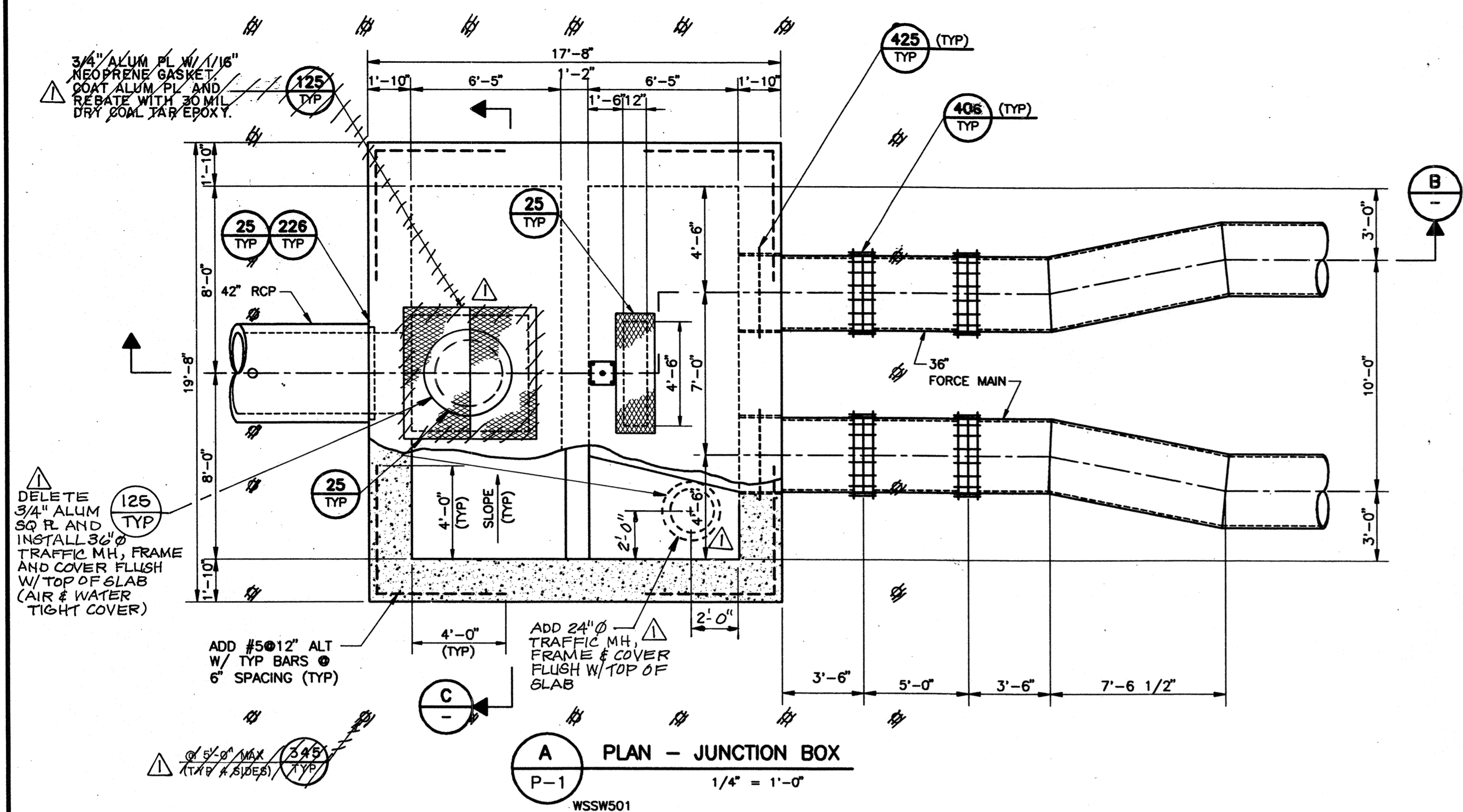
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

INTERIM 14 MILE PUMP STATION PROCESS AND INSTRUMENT DIAGRAM

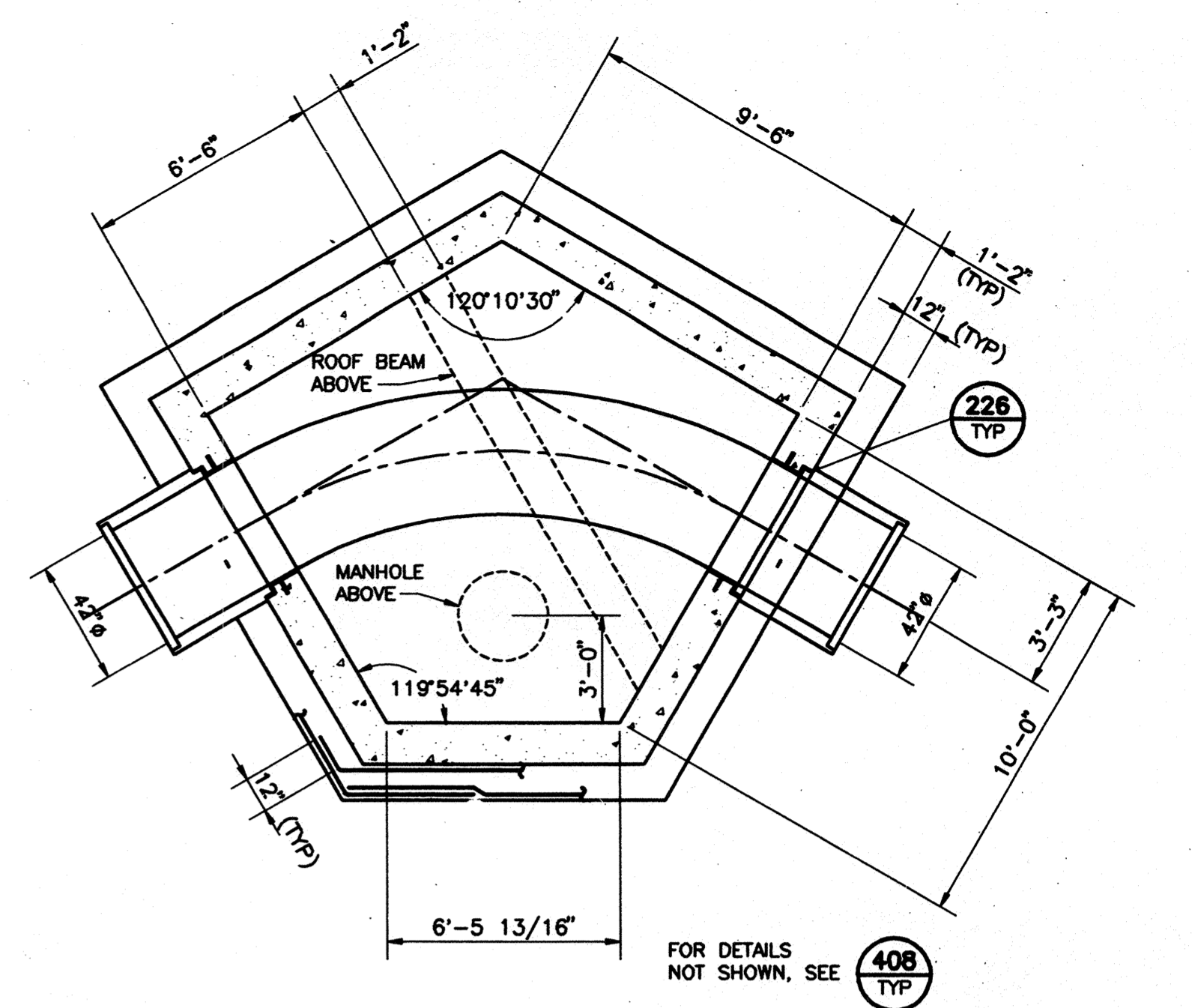
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: _____	DRAWING NO. MPS-15R
DESIGNED: P.C.K.	DATE: _____	SHEET NO. 82A of 100
DRAWN: L.S.		JOB NO. 3385D.10
CHECKED: BEH	CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: BEH		

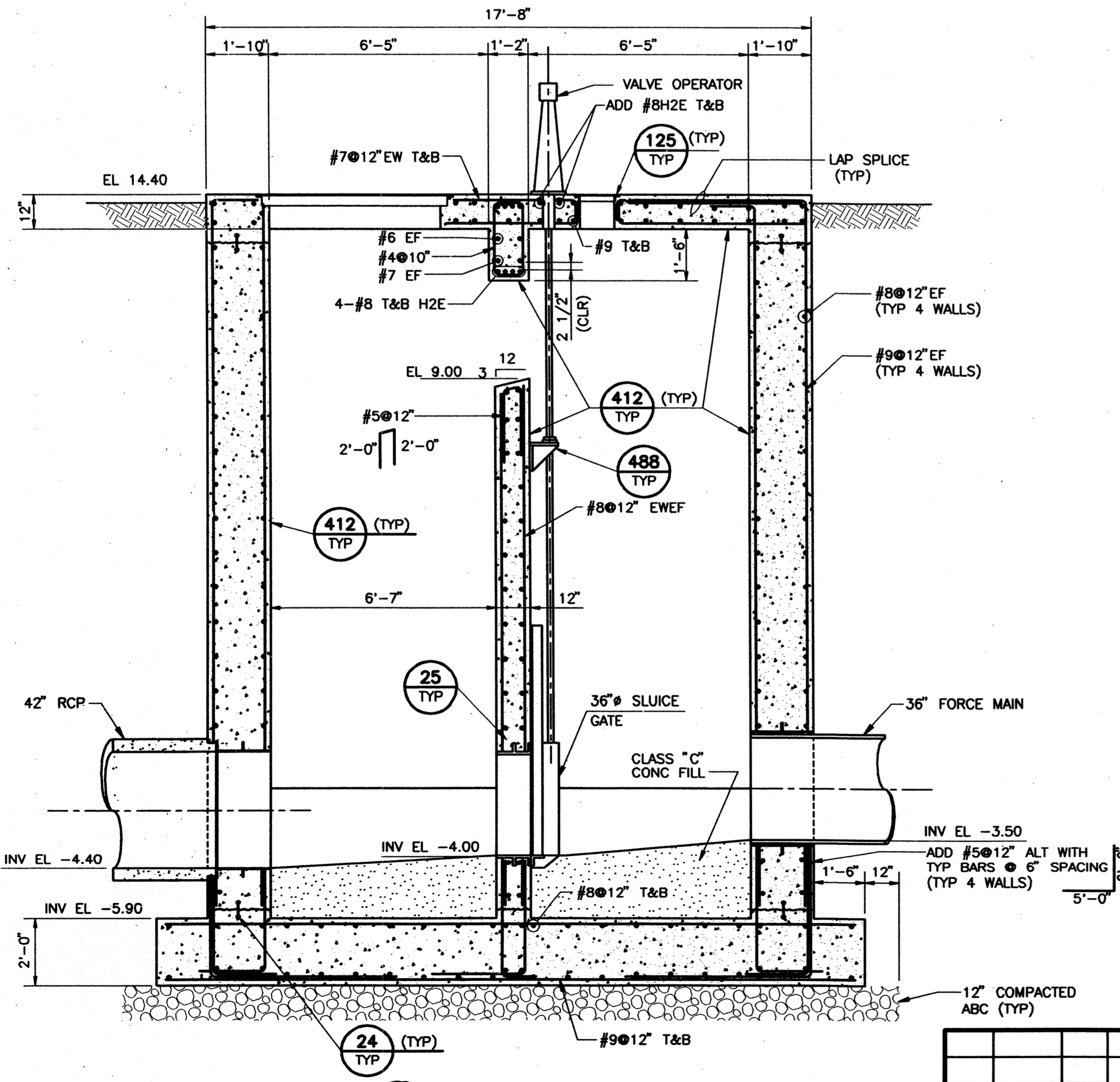
H:\Final\Stockton_FNO\3385d10\AS-BUILD\Wsk002R 03/23/00 16:14 rglara



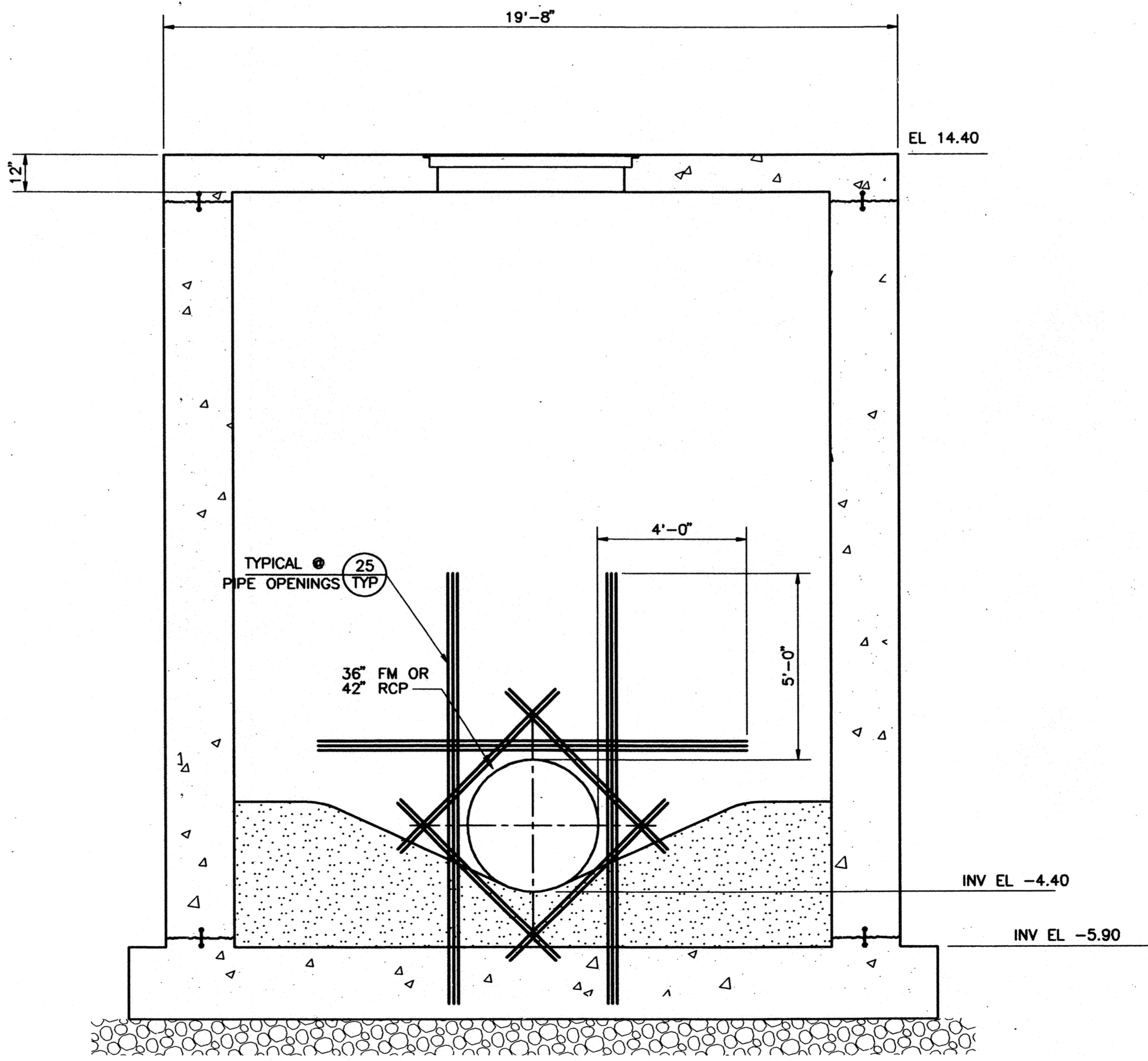
A PLAN - JUNCTION BOX
 P-1 1/4" = 1'-0"
 WSSW501



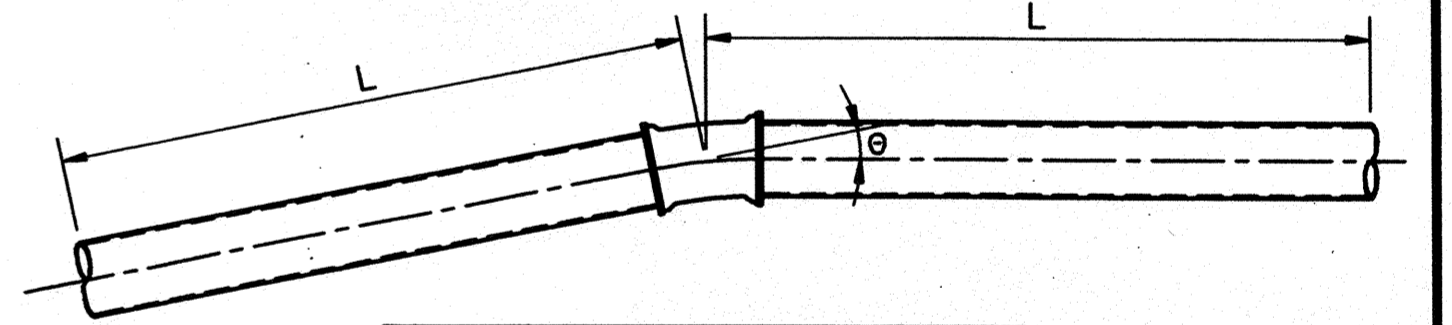
D SECTIONAL PLAN
 P-1 1/4" = 1'-0"
 WSSW912



B SECTION
 3/8" = 1'-0"
 WSSW502



C SECTION
 3/8" = 1'-0"
 WSSW503



Ø BEND	L HORIZ	L VERT (UP)	L VERT (DN)
5.625'	18'	18'	36'
11 1/4'	36'	36'	72'
22 1/2'	54'	54'	108'
30'	81'	81'	126'
45'	108'	108'	135'
90'	198'		

NOTE:
 THE LENGTH SHOWN FOR DEGREE OF BEND SHALL BE INSTALLED BOTH UPSTREAM AND DOWNSTREAM OF EACH BEND. DETAIL SHOWS DIP JOINTS BUT IS APPLICABLE FOR C-200 AND C-303 PIPE WHICH HAS WELDED RESTRAINED JOINTS.

1 THRUST RESTRAINT TABLE
 NO SCALE
 WSSW504

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BY THE CITY OF STOCKTON AND ARE NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE CITY OF STOCKTON.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

CIVIL
PLAN - MANHOLE No. 2 SECTIONS AND DETAILS

DEPARTMENT OF PUBLIC WORKS
 CITY OF STOCKTON, CALIFORNIA

SCALE: AS NOTED	APPROVED BY: RPW	DATE: 9/21/17	DRAWING NO. CD-1
DESIGNED: TFT/BEH	DRAWN: TFT/ALA/ELP		SHEET NO. 83 of 100
CHECKED: DJ	AS BUILT BY: PG		JOB NO. 3385D.10



REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING

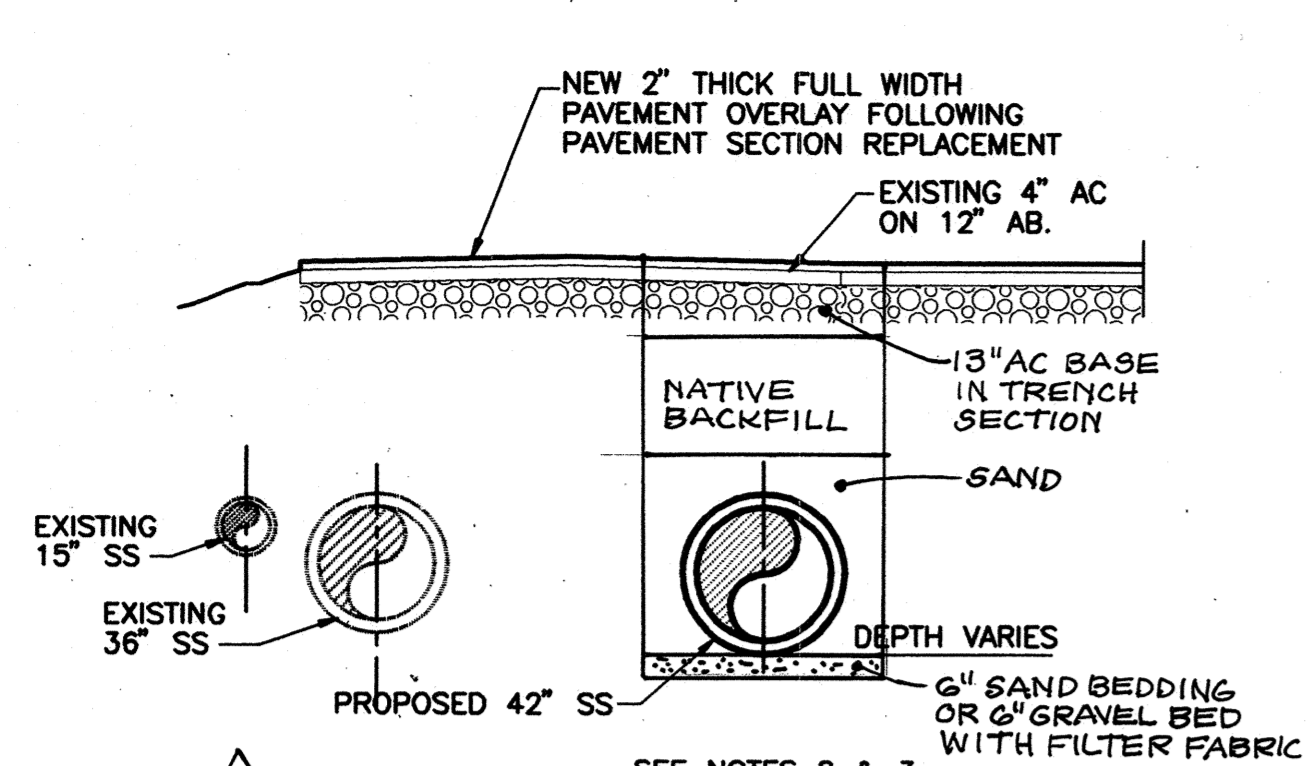
DISCIPLINE ENGINEER
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA

PROJECT ENGINEER
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA

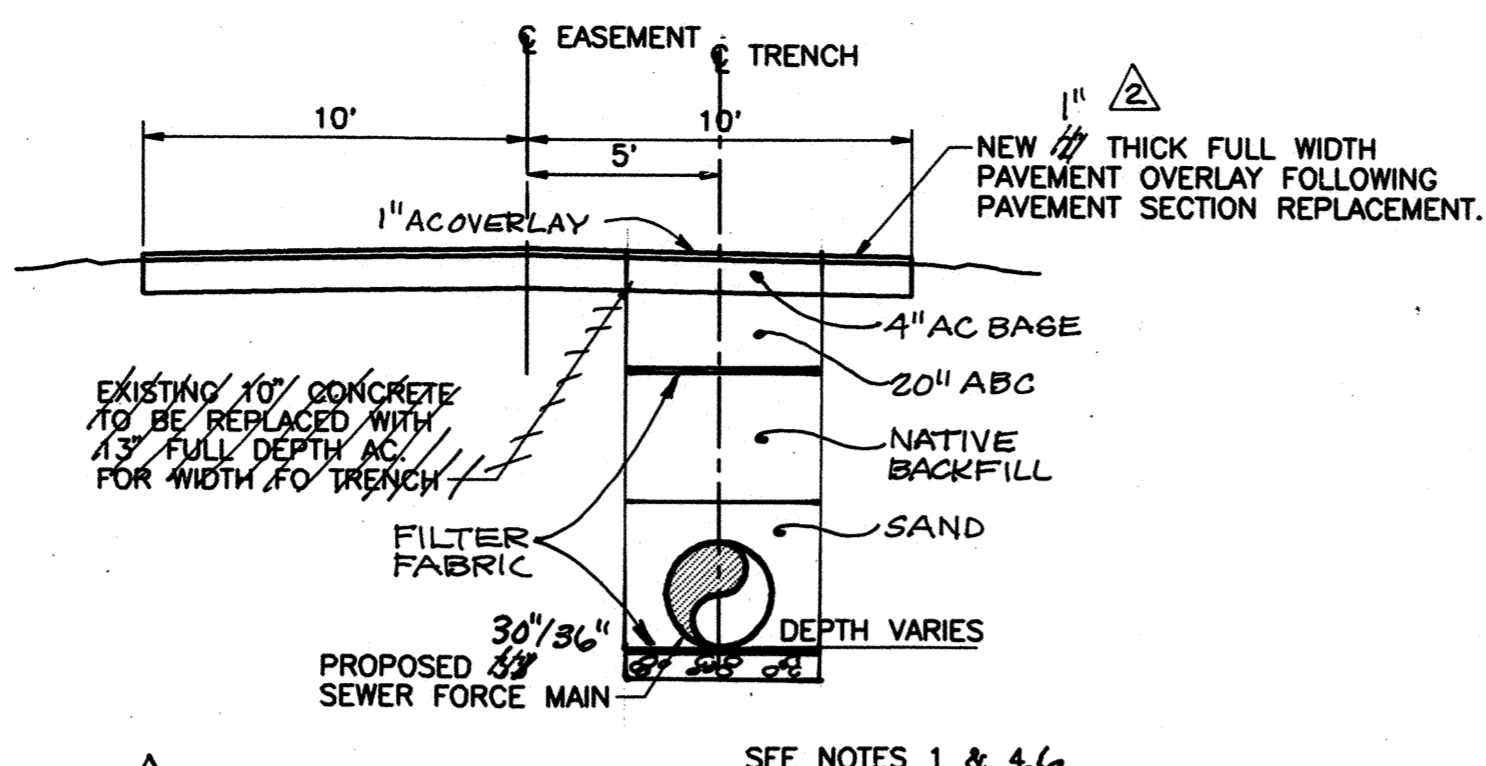
PARTNER
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA

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 DWG LAST EDITED ON: 07/08/97 16:11:55
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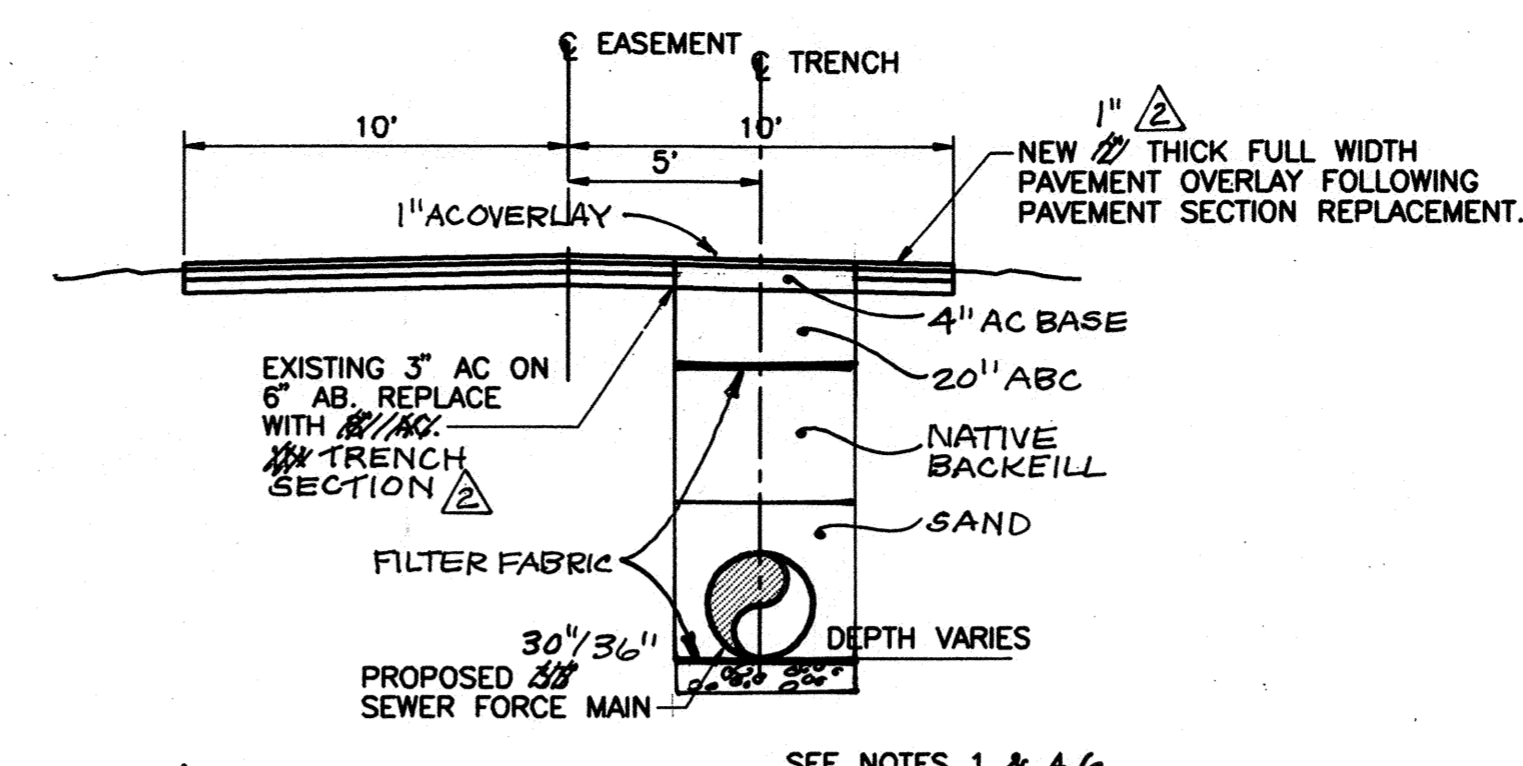
4006.82Ca



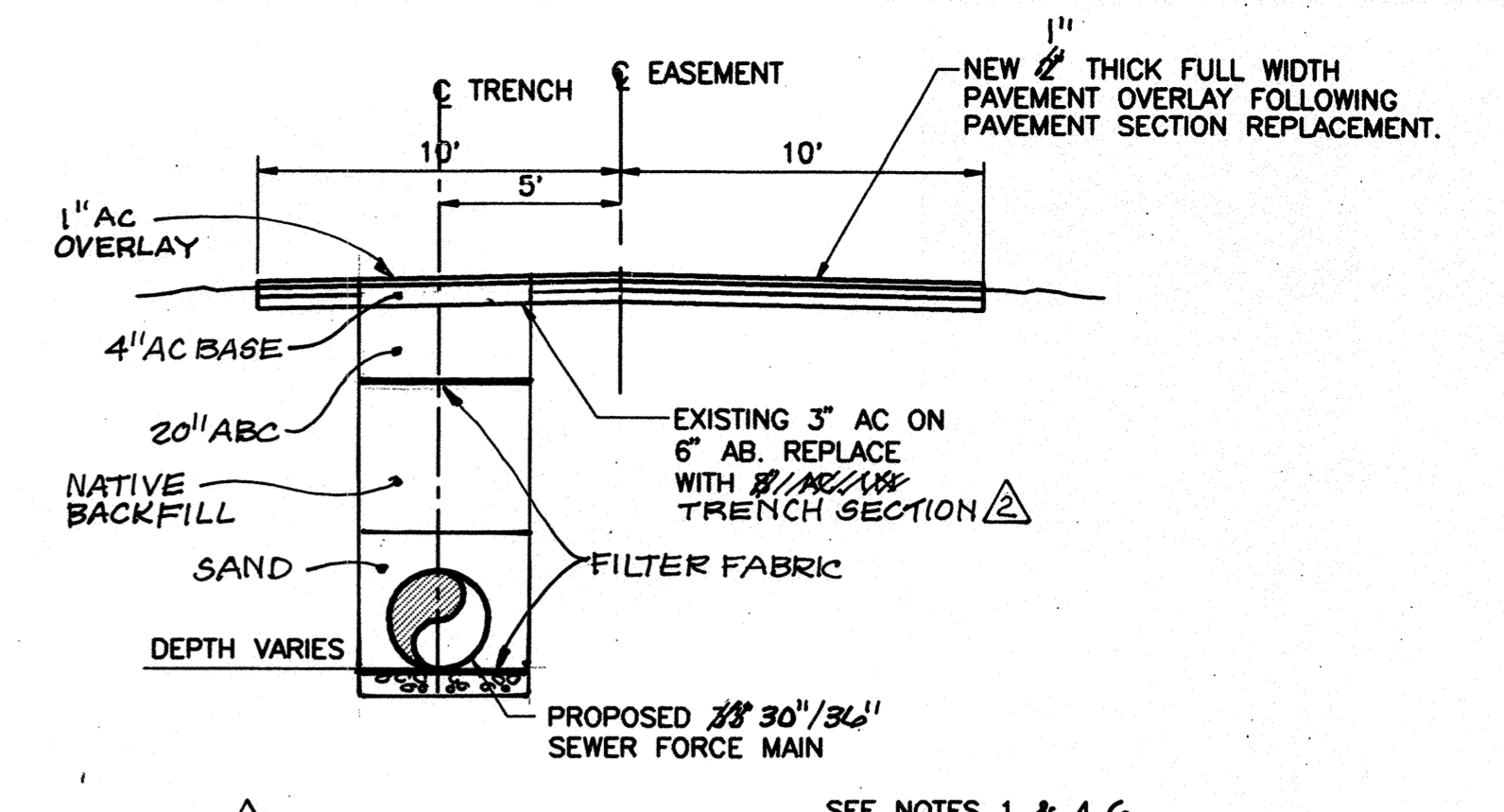
A NAVY DRIVE - STA 6+20 TO STA 41+32±
CITY STREET
WSSW601
SEE NOTES 2 & 3.



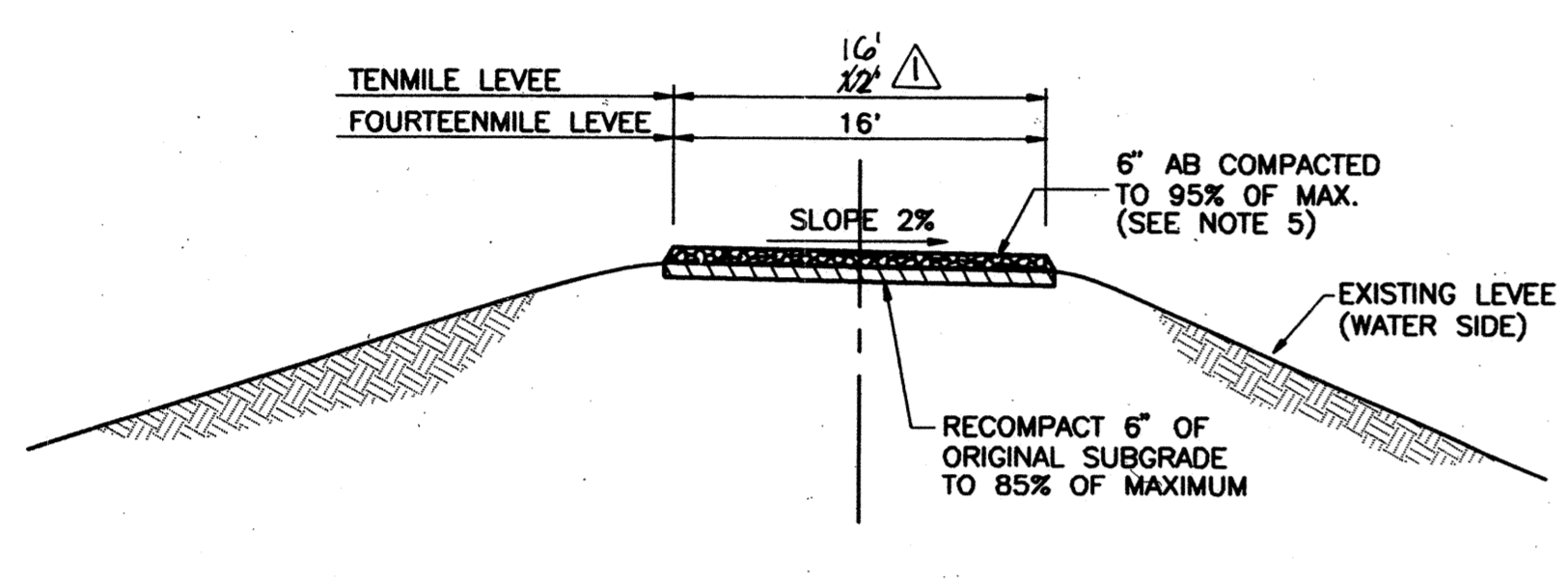
B1 McCLOY AVE. - STA 104+00 TO STA 127+85
U.S. NAVY ROAD
WSSW602
SEE NOTES 1 & 4, 6.



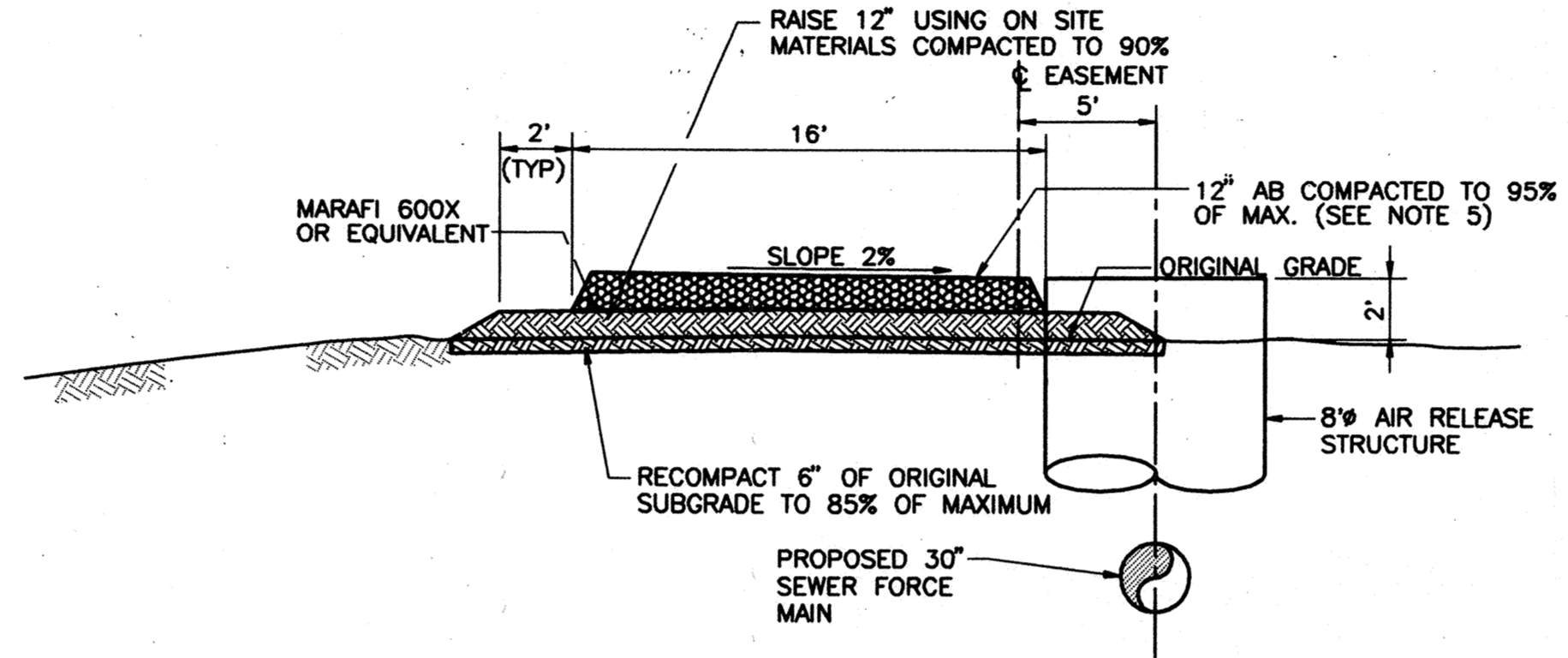
B2 McCLOY AVE. - STA 71+00 TO STA 104+00
U.S. NAVY ROAD
WSSW603
SEE NOTES 1 & 4, 6.



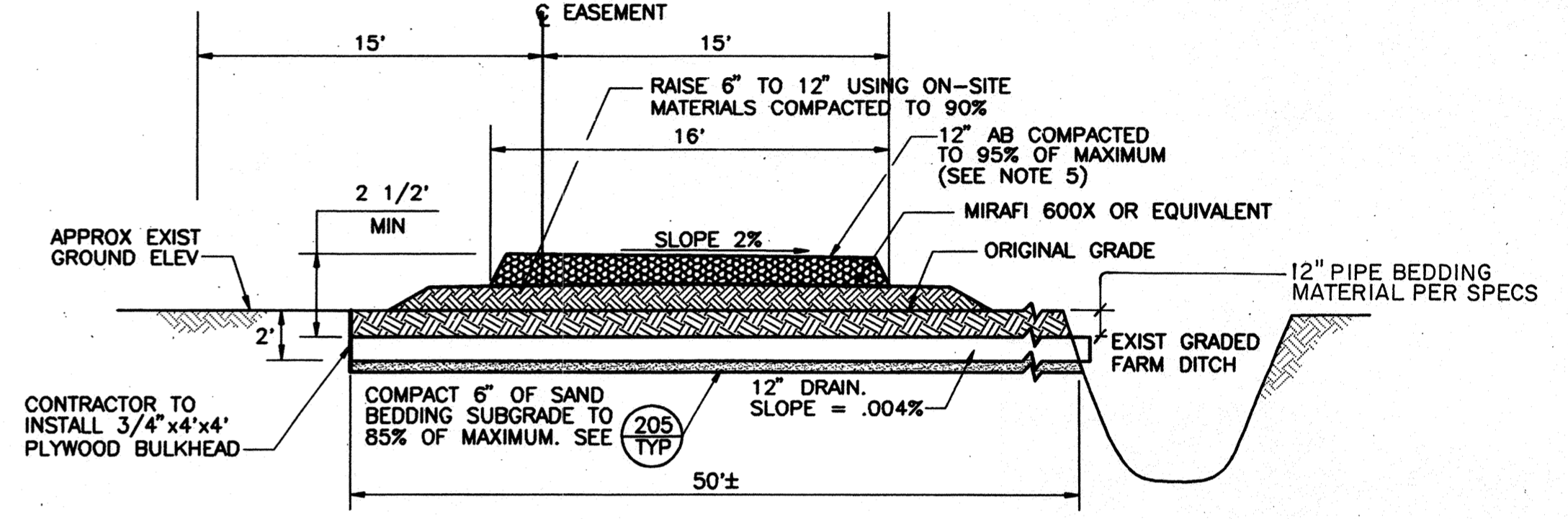
C HUMPHREYS ROAD - STA 133+00 TO STA 188+00
U.S. NAVY ROAD
WSSW604
SEE NOTES 1 & 4, 6.



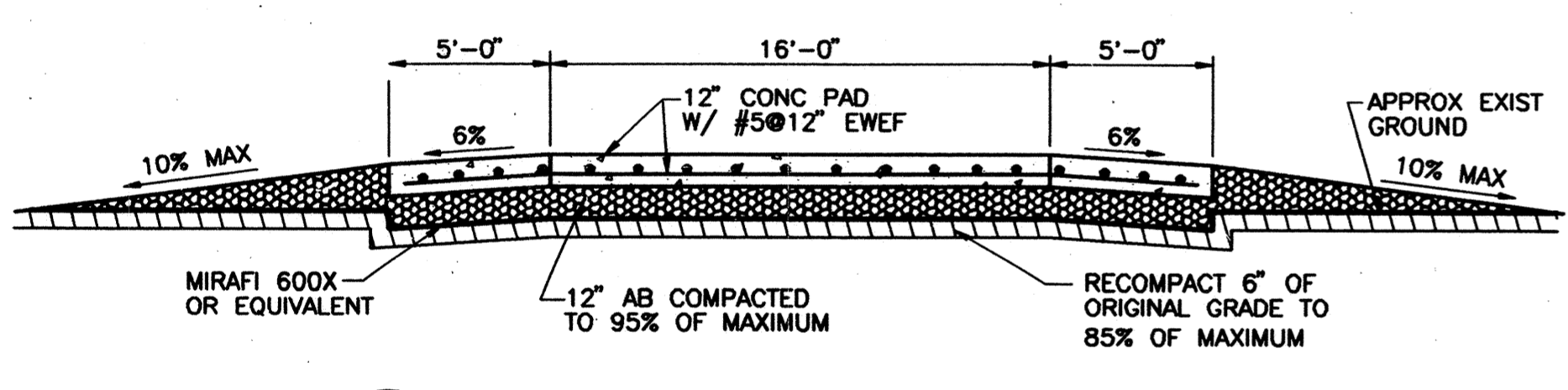
D ACCESS ROAD - TENMILE LEVEE
FOURTEENMILE LEVEE
WSSW605



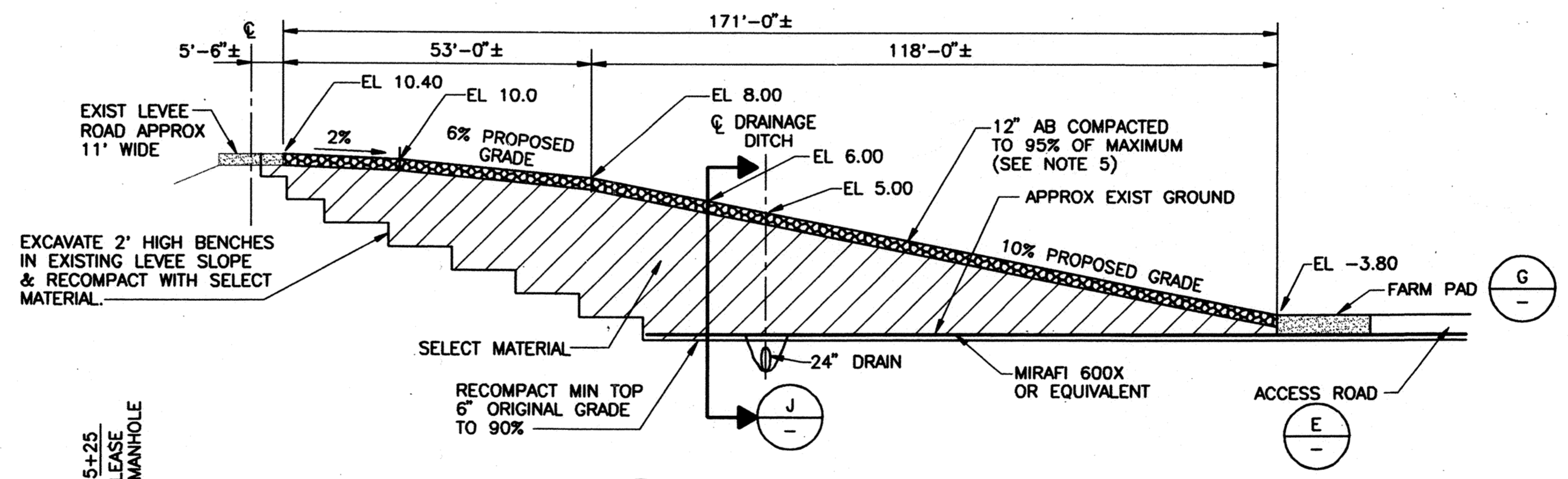
E ACCESS ROAD PARALLEL TO FORCE MAIN
WSSW607



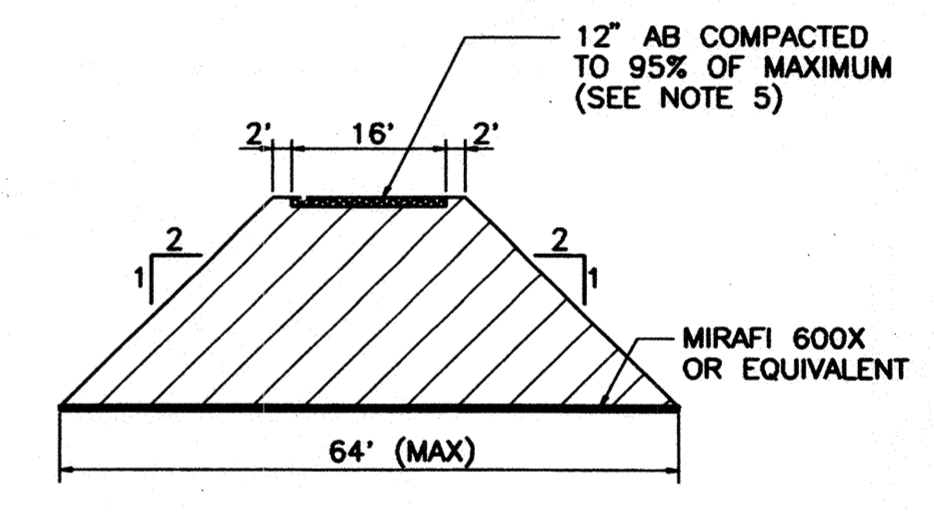
F 12" FARM DRAIN
FSSW101



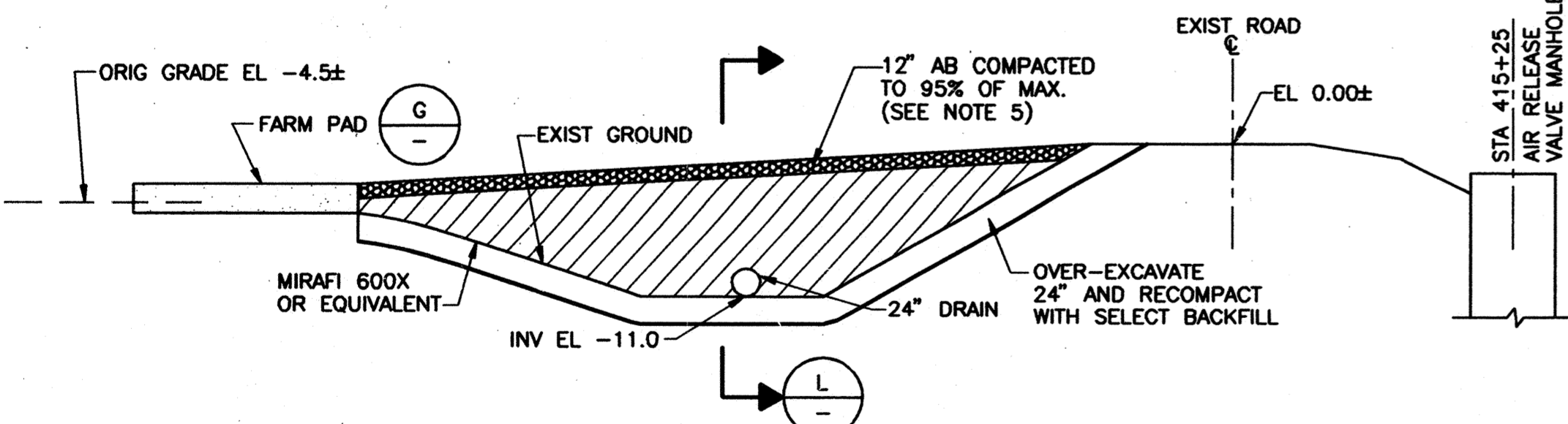
G SECTION OF FARM EQUIPMENT PAD
FSSW102



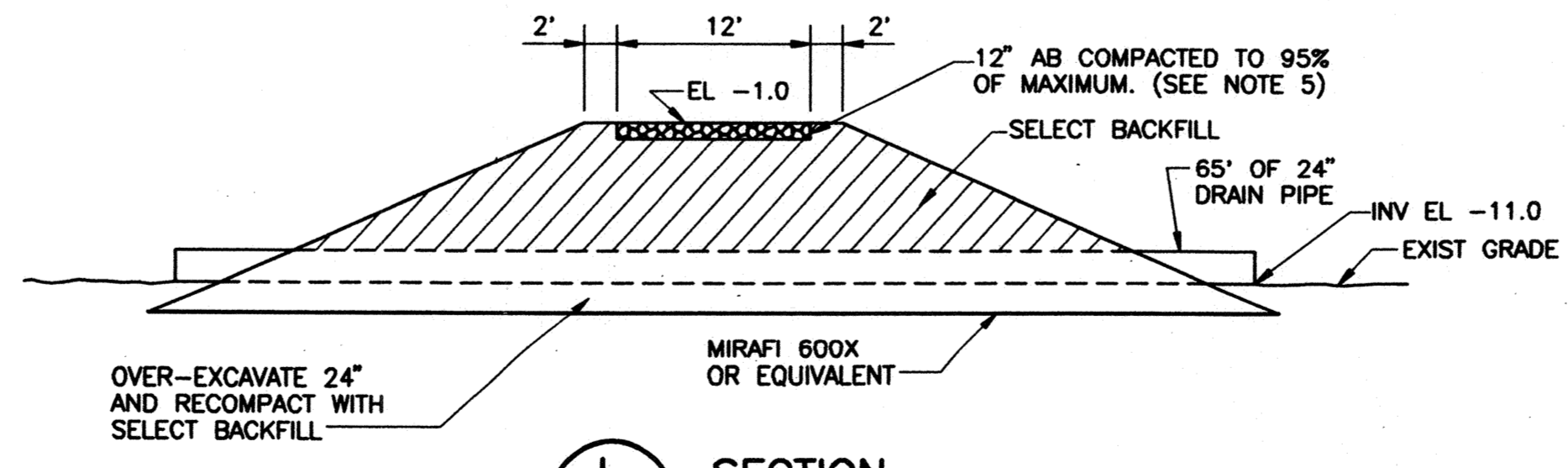
H SECTION
FSSW103



J SECTION
FSSW104



K PROFILE OF ROAD UP TO
EXISTING ROAD AT STA 415+00
FSSW105



L SECTION
FSSW106

- NOTES:**
- REMOVE EXISTING PAVING SYSTEM IN TRENCH AREA. RECONSTRUCT PAVING SYSTEM TO THE LIMITS OF THE EXISTING PAVEMENT.
 - RESTORE PAVEMENT SYSTEM OVER TRENCH.
 - FOR TRENCH BACKFILL IN CITY STREETS, SEE SPECIFICATIONS AND 205 TYP.
 - FOR TRENCH BACKFILL IN U.S. NAVY STREETS, SEE SPECIFICATIONS AND 205 TYP.
 - COVER AB WITH PRIME COAT (PENETRATION OIL) SC-250 AT 0.20 GAL/SQ YD.
 6. FILTER FABRIC OVER 4" TO 8" OF 1/2" DRAIN ROCK BELOW PIPE PER RFI 88-4.

RECORD DRAWING
THIS RECORD DRAWING HAS BEEN PREPARED BASED
UPON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS			
CIVIL ROAD CROSS SECTIONS			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE: AS NOTED	APPROVED BY: <i>rpw</i>	DATE: <i>9/21/97</i>	DRAWING NO. CD-2
DESIGNED: TFT/BEH	DRAWN: TFT/ALA/ELP		SHEET NO. 84 OF 100
CHECKED: DJ	CITY ENGINEER		JOB NO. 3385D.10
AS BUILT BY: PG	STOCKTON, CALIF.		

DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER
1/2000	PG	RECORD DRAWING
5/8/97	BEH	REVISED. ADDED DETAILS D' TO L.
REV.	DATE	BY



4006.83Ca

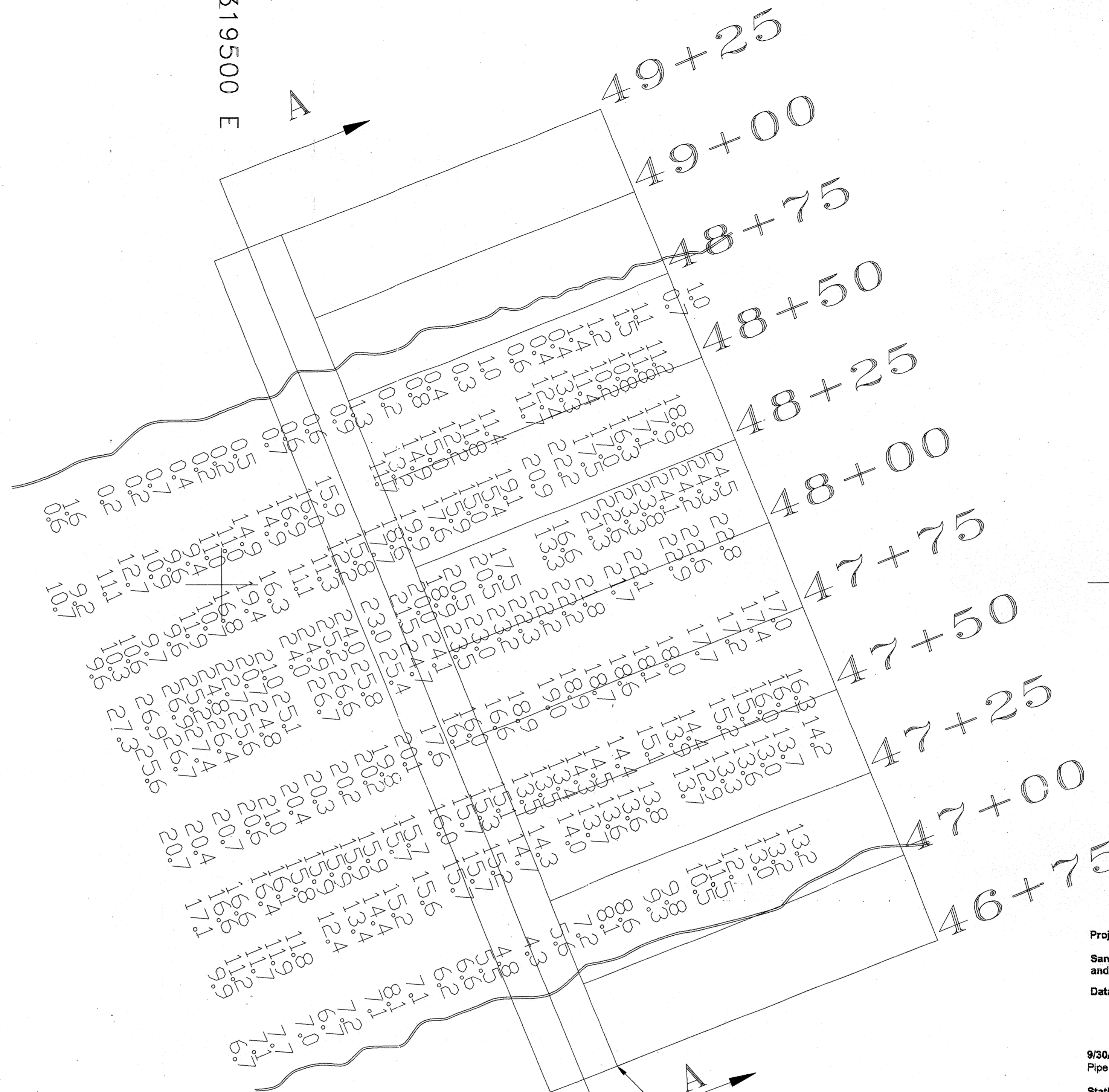
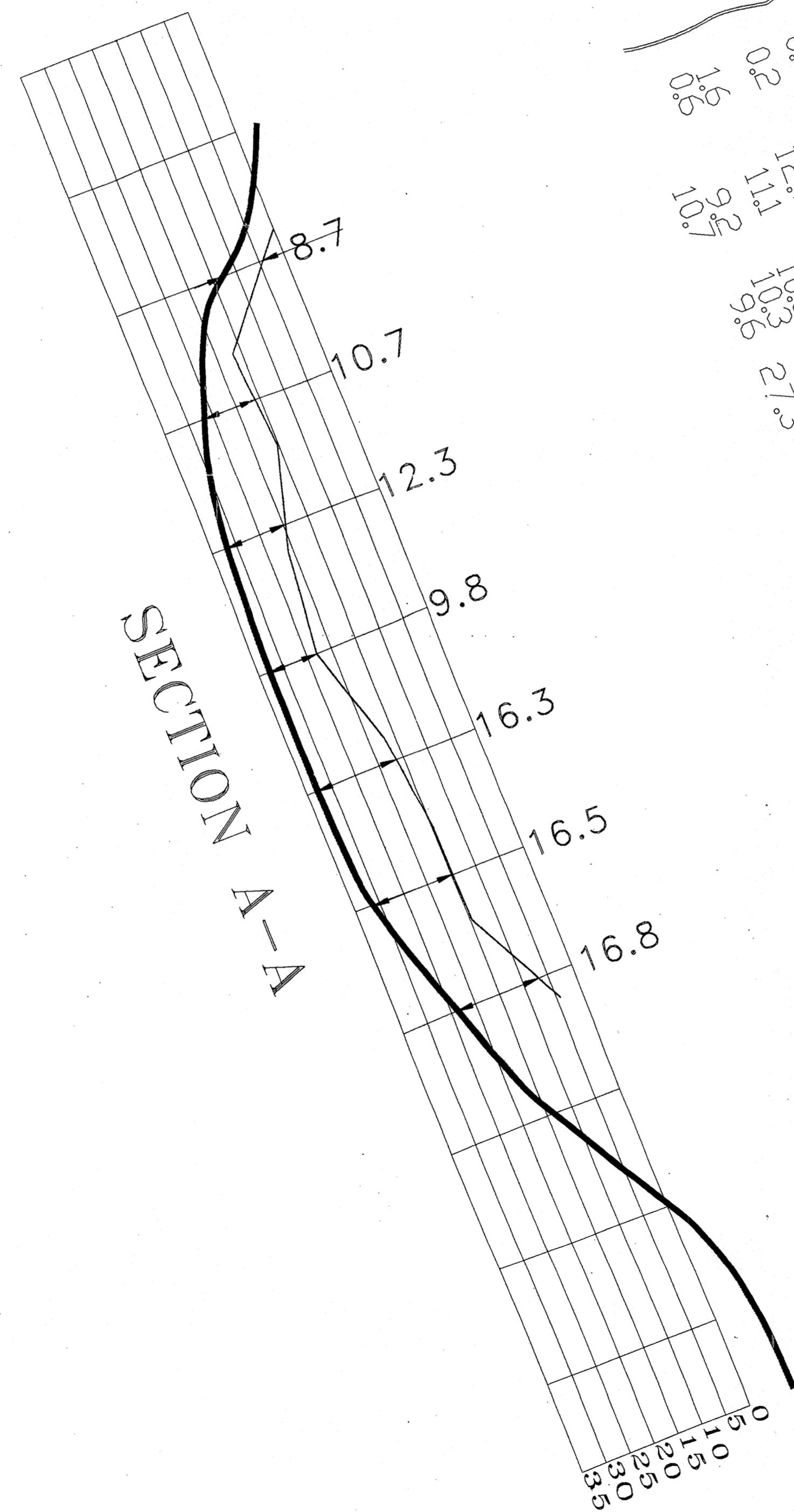
6319250 E



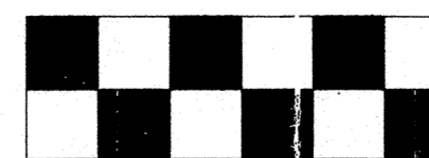
6319500 E

6319750 E

2168250 N



1 INCH=20 FEET



WARNING:
REPRODUCTIONS MAY NOT
BE TO SCALE

TRENCH TOES

- NOTES:
- *ELEVATIONS (DEPTHS) CORRECTED TO NGVD 1929 (ZERO ELEVATION ON CAROLLO PLANS) DATUM. VERTICAL CONTROL TRANSFERRED FROM CAROLLO ENGINEERS POINT SET NEAR LEVEE CROWN @ 13.265 FT. MLLW. TIDAL REFERENCE POINT SET ON BRIDGE FENDER @ 7.81FT. NGVD 25
 - *PLANE AND GRID COORDINATES ARE BASED ON N.A.D. 1983 CA. STATE PLANE ZONE III CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION No. 235 OF THE NATIONAL OCEAN SURVEY
 - *SOUNDINGS TAKEN BY FATHOMETER ARE SHOWN TO THE NEAREST FOOT AND TENTH OF A FOOT.
 - *THE INFORMATION DEPICTED ON THIS MAP REPRESENTS RESULTS OF HYDROGRAPHIC SURVEYS MADE ON THE DATES INDICATED, AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.
 - *UNLESS OTHERWISE NOTED: SOUNDINGS TAKEN USING AN INnersPACE 448 FATHOMETER (3') HORIZONTAL LOCATION BY TRIMBLE 4000RS DGPS PAIR (SUB-METER); AUTOMATED DATA COLLECTION/REDUCTION USING HYPACK V6.5; TIDAL ELEVATIONS BY TELEMETRY LINK FROM HAZEN TIDE GAUGE, OR BY MANUAL WATER SURFACE MEASUREMENTS FROM A KNOWN POINT.

Project No. 91-03, Westside Sewer Interceptor
 San Joaquin River Crossing, Tabulation of Bottom of Trench
 and Pipe Invert Elevation
 Data was taken from "Sea Surveyor's" Cross Sections

9/30/96 Survey by "Sea Surveyor"
 Pipe invert elevation = top of 2' rockbedding

Station	Theoretical	Actual
47+50	-31.00	-31.00
47+60	-33.00	-32.80
47+80	-33.00	-33.00
48+00	-33.00	-32.50
48+10	-33.00	-32.00
48+26	-33.00	-34.50
48+40	-29.2	-29.50
48+50	-25.80	-25.50
48+60	-19.10	-19.7

10/16/88 Survey by "Sea Surveyor"
 Pipe invert elevation = top of 2' rockbedding

Station	Theoretical	Actual
46+80	-1.00	-0.50
46+90	-8.00	-8.50
47+10	-18.50	-18.75
47+25	-23.50	-23.75
47+40	-29.00	-28.10

DUTRA MATERIALS CO., INC.
 DREDGING PROJECT BATHYMETRY MAP
 2199 CLEMENT STREET ALAMEDA, CA 94501 (510) 814-0784

CONTRACT NO.

JOB: SAN JOAQUIN RIVER SEWER TRENCH AD SURVEY

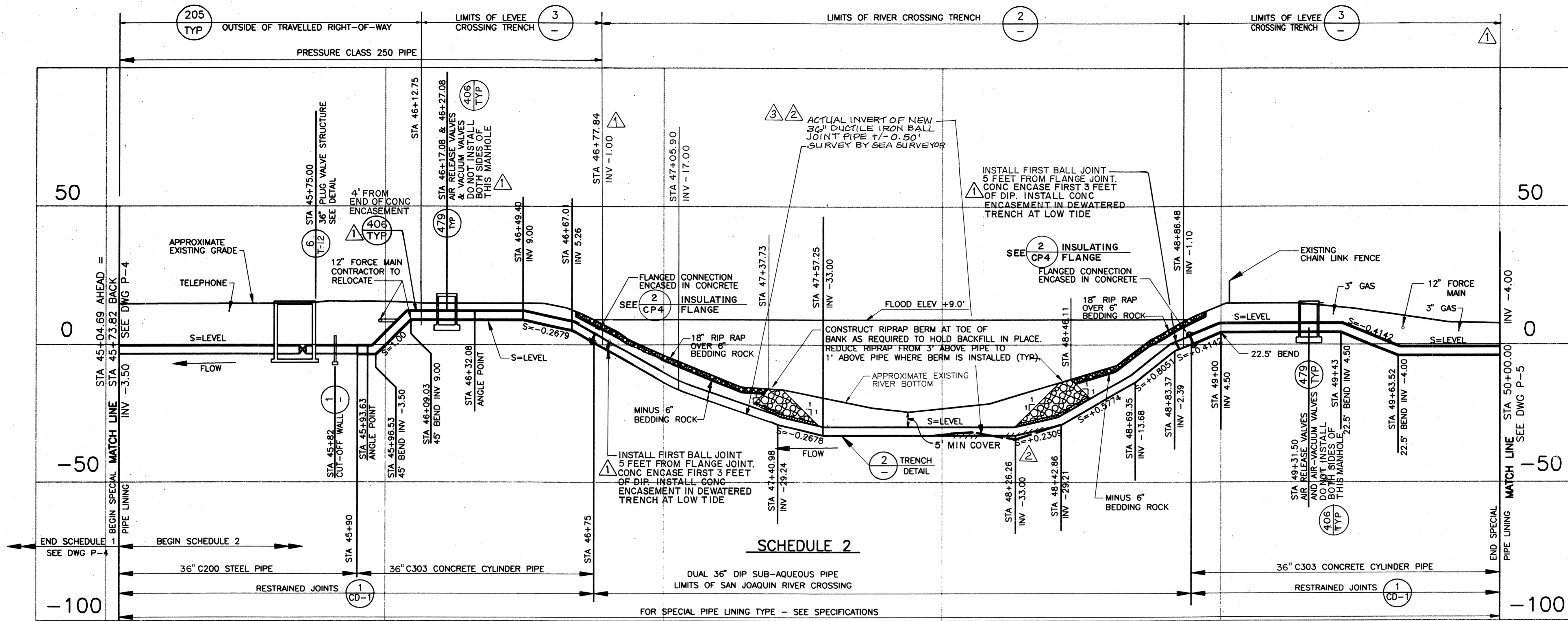
SHEET NUMBER 01 OF 01 TOTAL SHEETS

2168000 N

RECORD DRAWING

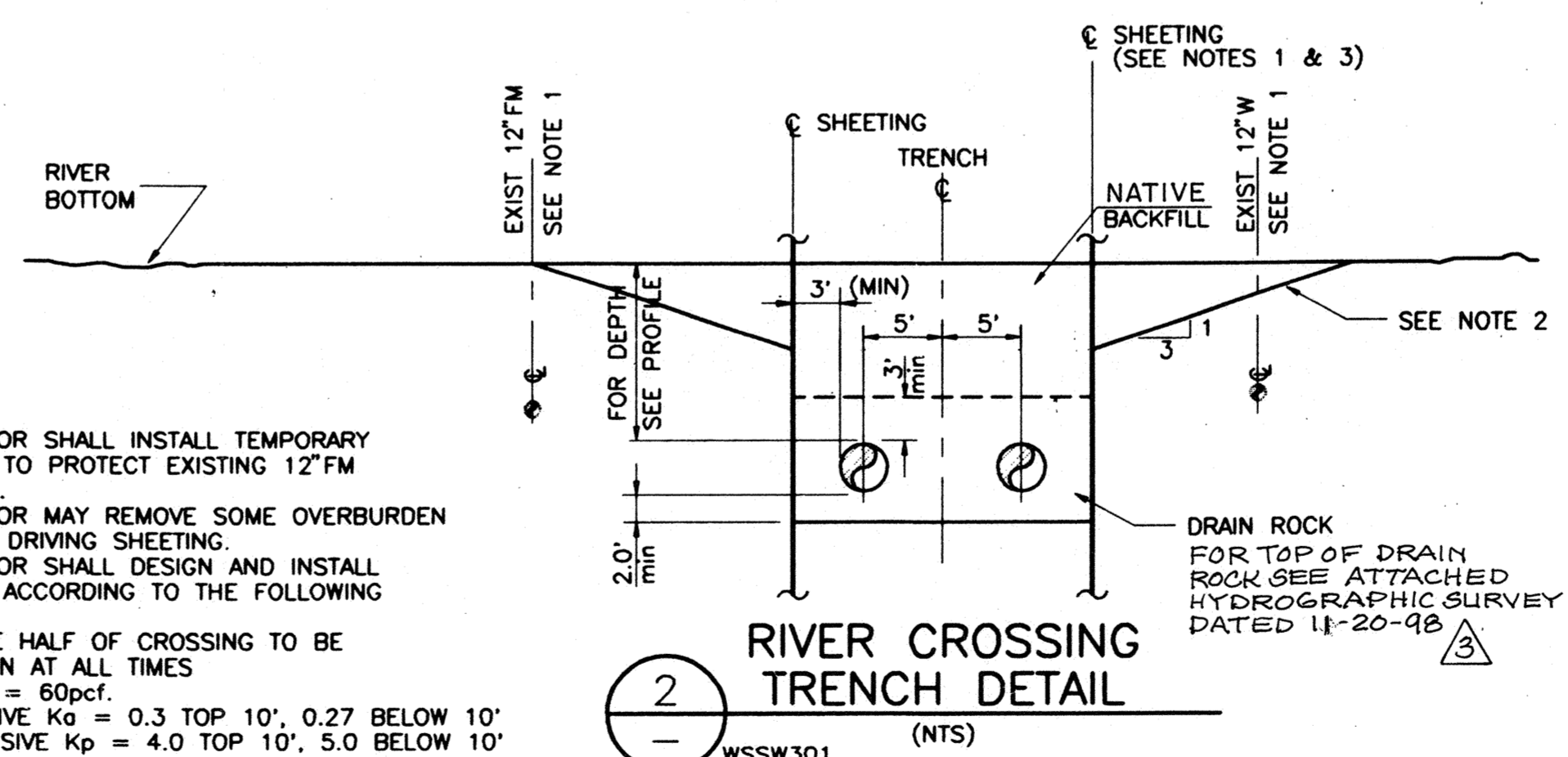
THIS RECORD DRAWING HAS BEEN PREPARED BASED ON PARTIAL INFORMATION PROVIDED BY OTHERS.

DRAWN BY:	ENGR.:	DATE(S) OF DREDGING:	HYDROGRAPHIC SURVEY DATE(S):	11-20-98
CHECKED BY:		DREDGE:	SURVEY VESSEL:	POSITIONING: DGPS



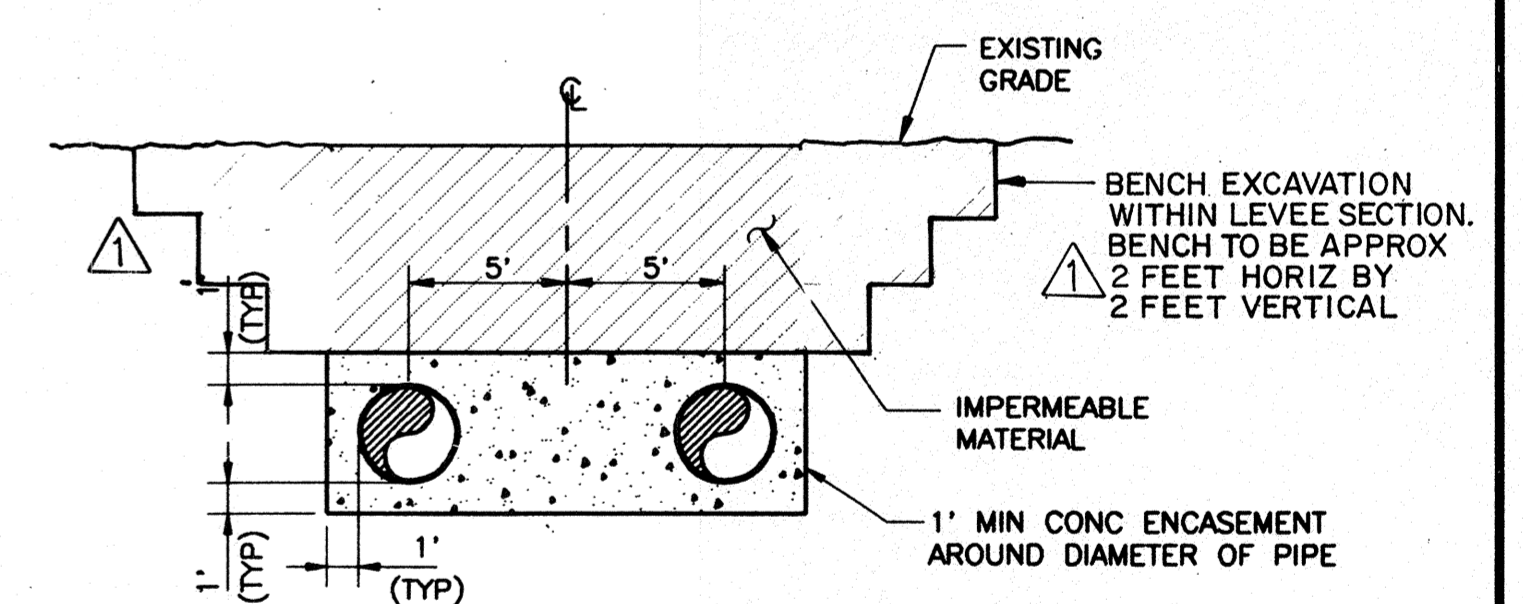
47
PROFILE - SAN JOAQUIN RIVER CROSSING

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



2 RIVER CROSSING TRENCH DETAIL
WSSW301 (NTS)

- NOTES:
- CONTRACTOR SHALL INSTALL TEMPORARY SHEETING TO PROTECT EXISTING 12" FM AND 12" W.
 - CONTRACTOR MAY REMOVE SOME OVERBURDEN PRIOR TO DRIVING SHEETING.
 - CONTRACTOR SHALL DESIGN AND INSTALL SHEETING ACCORDING TO THE FOLLOWING CRITERIA:
 - ONE HALF OF CROSSING TO BE OPEN AT ALL TIMES
 - 8B = 60pcf.
 - ACTIVE K_p = 0.3 TOP 10', 0.27 BELOW 10'
 - PASSIVE K_p = 4.0 TOP 10', 5.0 BELOW 10'



3 LEVEE (IMPERVIOUS) CROSSING TRENCH DETAIL
(NTS)
WSSW302

NOTE:
IMPERMEABLE MATERIAL SHALL BE CLAY SOIL WITH GRAIN SIZE 50 PERCENT PASSING SIEVE NO. 200 AND THE PLASTICITY INDEX SHALL BE NO LESS THAN 8. IMPERMEABLE MATERIAL SHALL BE PLACED IN ENTIRE TRENCH TO EXISTING GROUND ELEVATION. SEE SPECIFICATIONS FOR REQUIRED COMPACTION.

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

CIVIL
SAN JOAQUIN RIVER CROSSING DETAIL

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

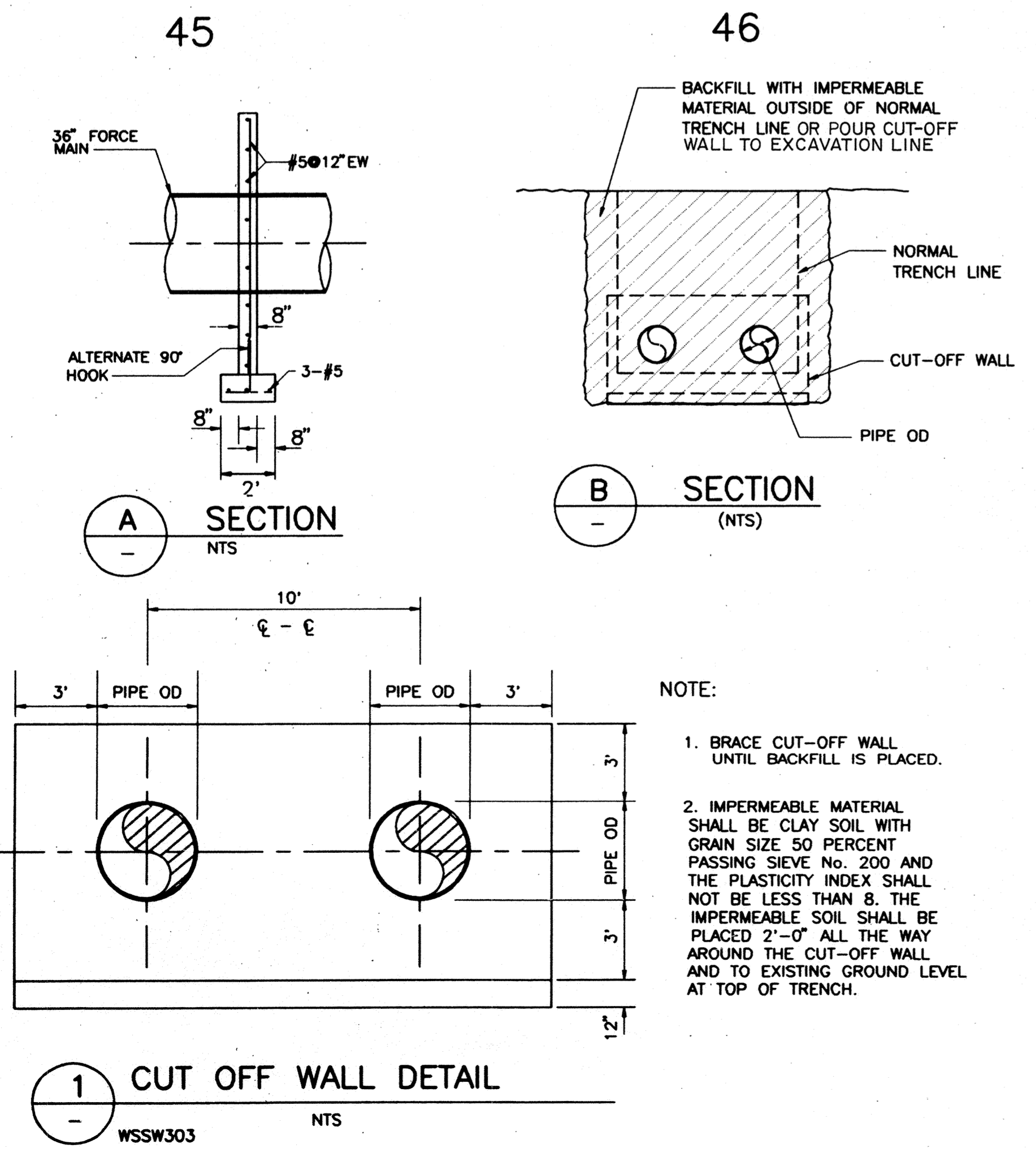
SCALE: 1" = 20'

DESIGNED: TFT/BEH
DRAWN: TFT/ALA/ELF
CHECKED: DJ
AS BUILT BY: PG

APPROVED BY: [Signature]
DATE: 1/16/07

CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. CD-5
SHEET NO. 85 OF 100
JOB NO. 33850.10

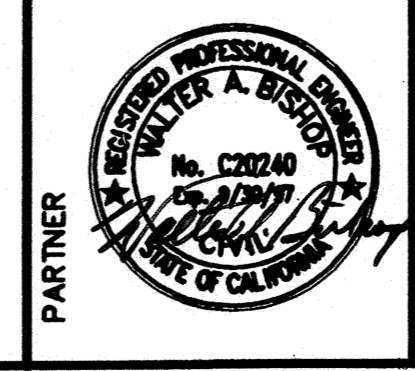
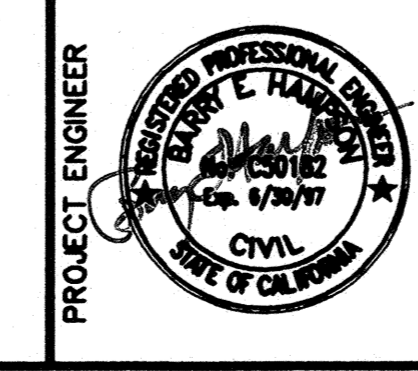


1 CUT OFF WALL DETAIL
WSSW303 (NTS)

- NOTE:
- BRACE CUT-OFF WALL UNTIL BACKFILL IS PLACED.
 - IMPERMEABLE MATERIAL SHALL BE CLAY SOIL WITH GRAIN SIZE 50 PERCENT PASSING SIEVE NO. 200 AND THE PLASTICITY INDEX SHALL NOT BE LESS THAN 8. THE IMPERMEABLE SOIL SHALL BE PLACED 2'-0" ALL THE WAY AROUND THE CUT-OFF WALL AND TO EXISTING GROUND LEVEL AT TOP OF TRENCH.

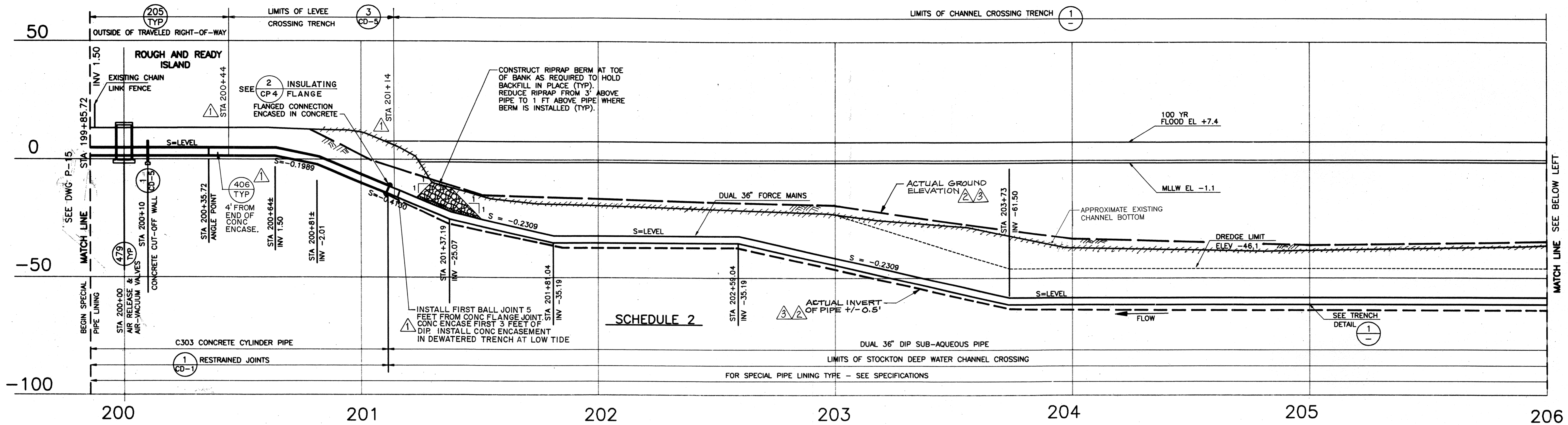
REV.	DATE	BY	DESCRIPTION
Δ	4/4/00	BEH	ATTACHED HYDROGRAPHIC SURVEY
Δ	3/16/00	BEH	RECORD DRAWING PER SURVEY DATA
Δ	3/6/97	BEH	CHANGES REQUIRED BY RECLAMATION BOARD

DISCIPLINE ENGINEER



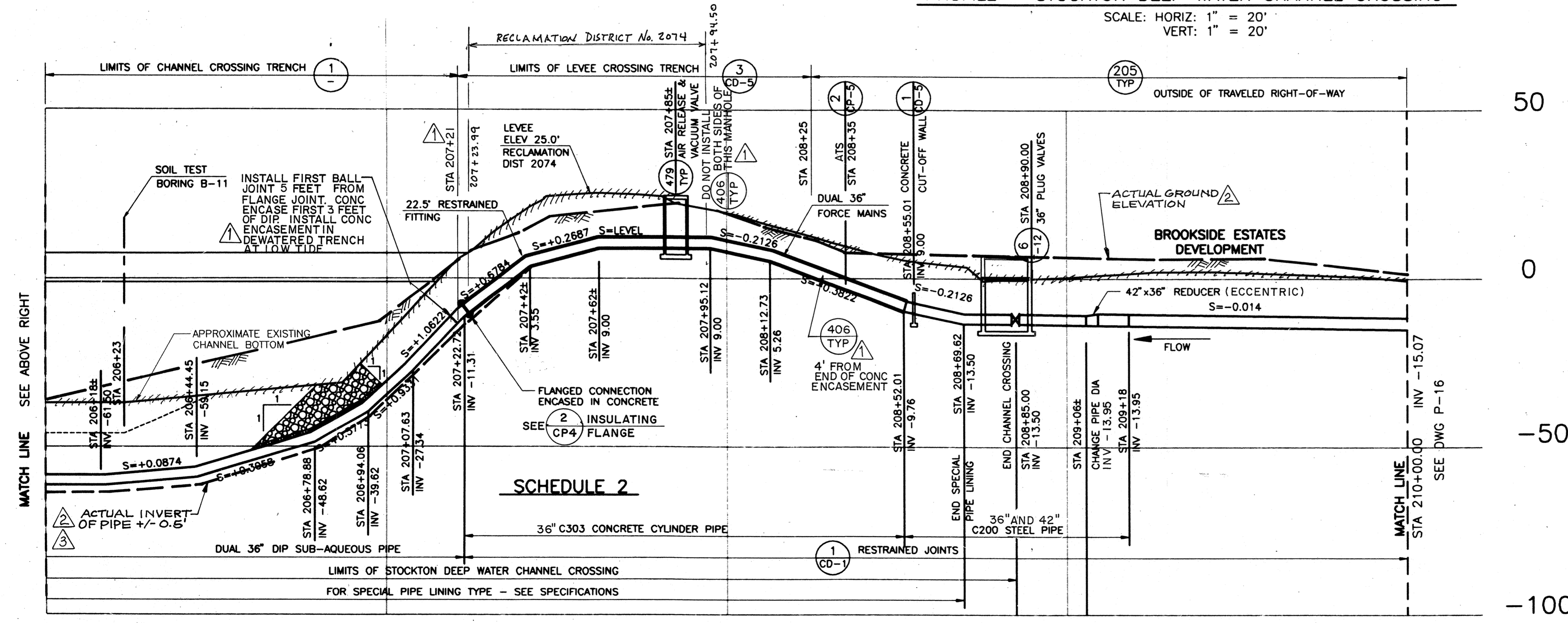
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4006.84 Ca



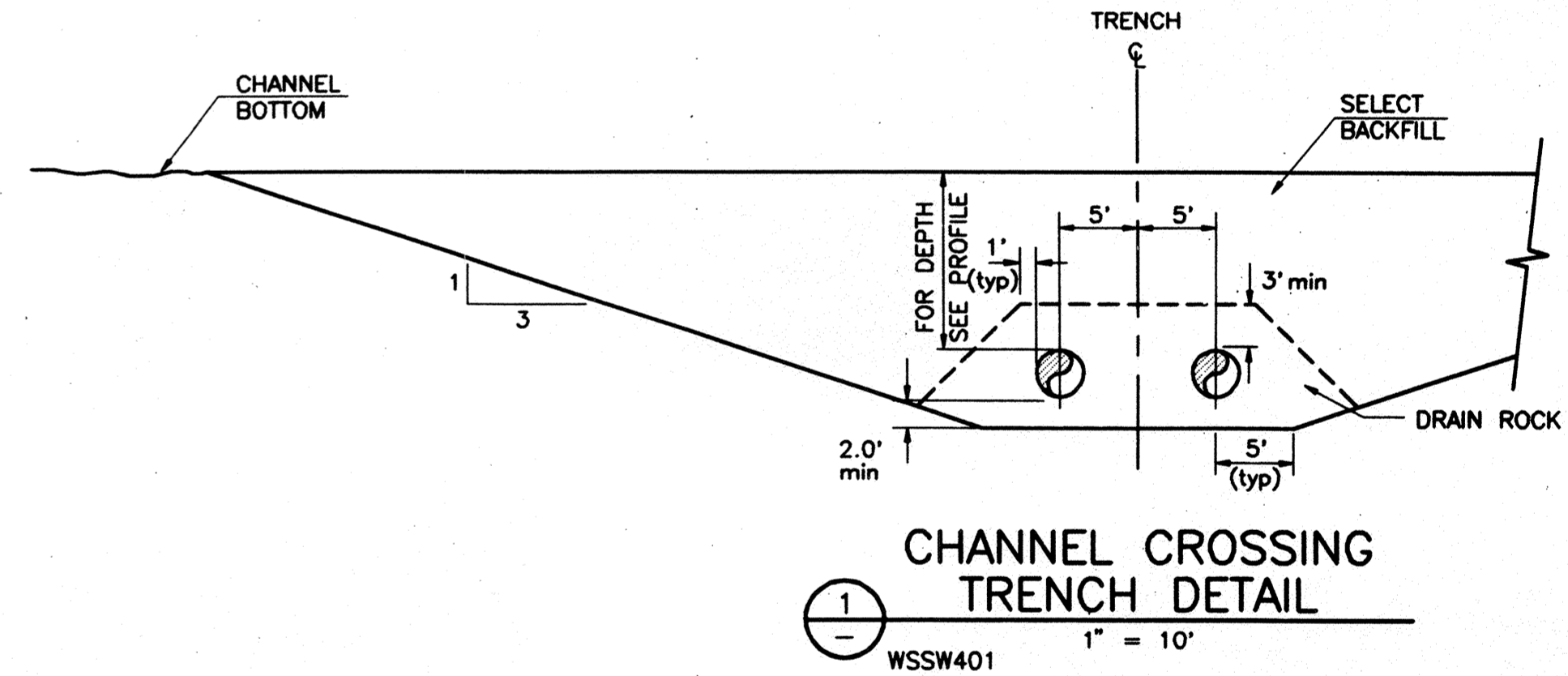
PROFILE - STOCKTON DEEP WATER CHANNEL CROSSING

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



PROFILE - STOCKTON DEEP WATER CHANNEL CROSSING

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



NOTE:
FOR TOP OF DRAIN
ROCK BEDDING SEE
ATTACHED
HYDROGRAPHIC SURVEY
DATED 10-3-98

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED
IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER
INTERCEPTOR IMPROVEMENTS

CIVIL
STOCKTON DEEP WATER CHANNEL
CROSSING DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

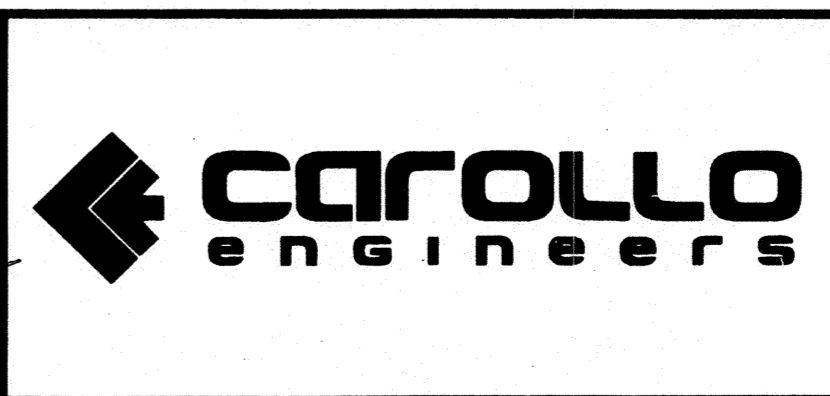
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DESIGNED BY: TFT/BEH	DRAWN BY: TFT/ALA/ELF		SHEET NO. 86 OF 100
CHECKED BY: DJ	AS BUILT BY: PG		JOB NO. 3385D.10

REV.	DATE	BY	DESCRIPTION
1	4/4/00	BEH	ATTACHED HYDROGRAPHIC SURVEY
2	3/16/00	BEH	RECORD DRAWING PER SURVEY DATA
3	3/6/97	BEH	CHANGES REQUIRED BY RECLAMATION BOARD

DISCIPLINE ENGINEER

PROJECT ENGINEER

PARTNER



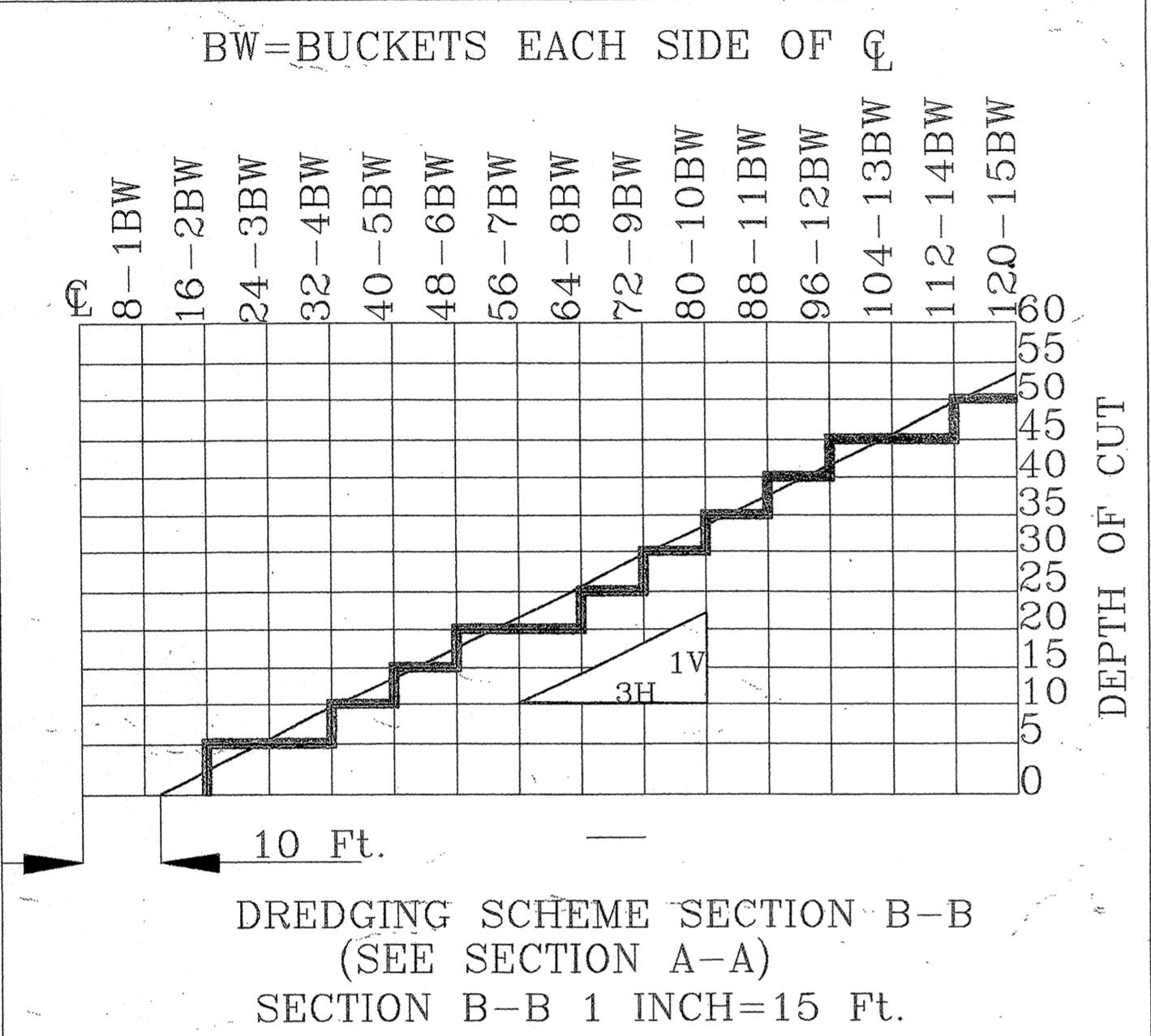
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 XREFS: BDR | CD-6 | WSSW401 | CH | WAB | BEH |

4006.85Ca

REVISIONS	DATE
SOUNDINGS REF'D TO NGVD 29	7-24-98
DIG GRADE DEEPER BY 2' TO ALLOW ROOM FOR BEDDING	7-28-98



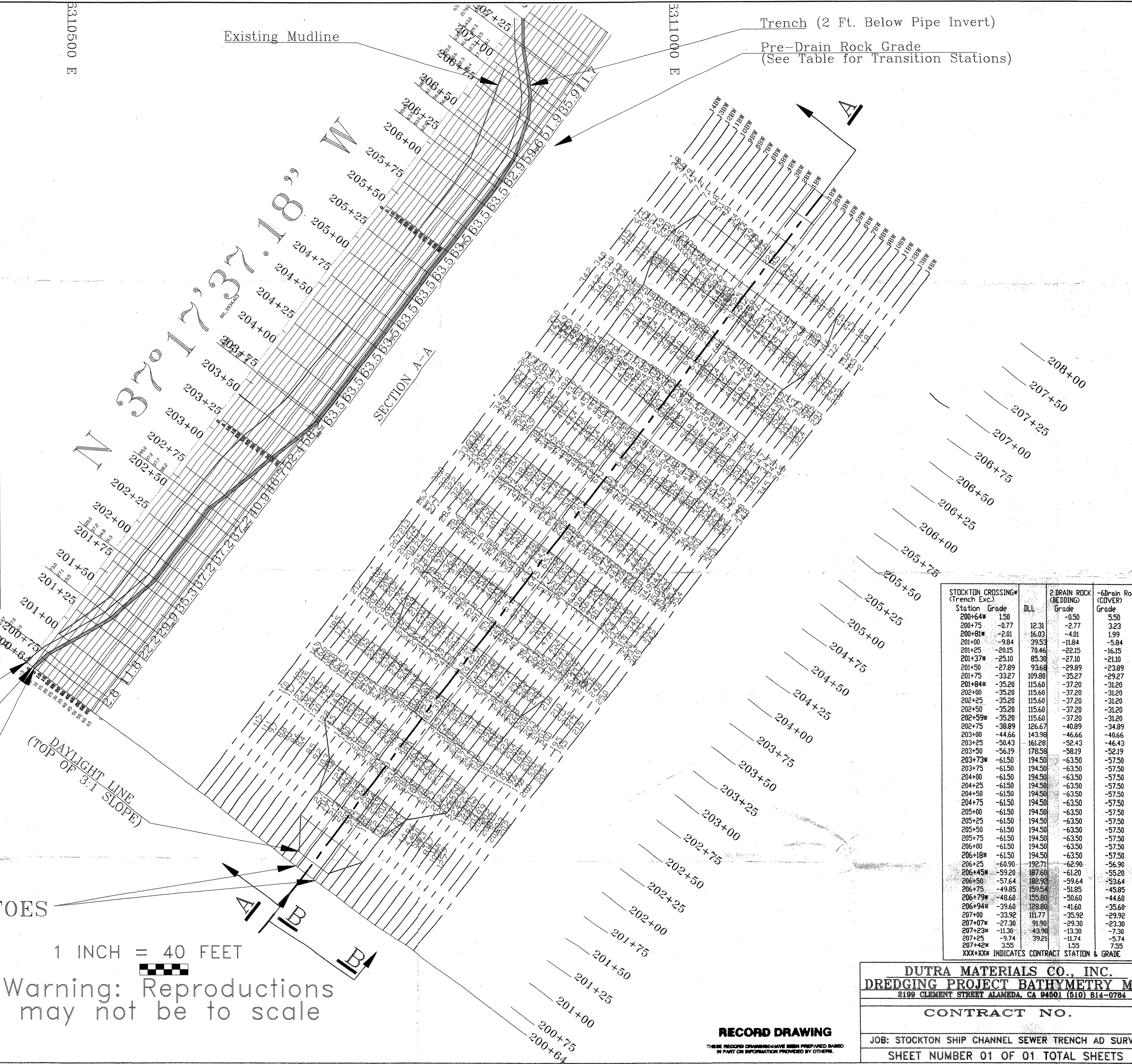
2176000 N



3310500 E

Existing Mudline

Trench (2 Ft. Below Pipe Invert)
Pre-Drain Rock Grade
(See Table for Transition Stations)



2175500 N

NOTES:
 *ELEVATIONS (DEPTHS) CORRECTED TO NGVD 1929 (ZERO ELEVATION ON CAROLLO PLANS) DATUM. VERTICAL CONTROL TRANSFERRED FROM CAROLLO ENGINEERS POINT SET NEAR LEVEL CROWN @ 13.285 FT. NGVD 1929. TIDAL REFERENCE POINT SET ON WHARF @ 10.515 FT. NGVD 1929 (LOCATED ON DOWNSTREAM DOLPHIN AT OLD LANDING IN SIDECAST AREA)
 *PLANE AND GRID COORDINATES ARE BASED ON N.A.D. 1983 CA, STATE PLANE ZONE III CALIFORNIA, AS DESCRIBED IN SPECIAL PUBLICATION NO. 235 OF THE NATIONAL OCEAN SURVEY
 *SOUNDINGS TAKEN BY FATHOMETER ARE SHOWN TO THE NEAREST FOOT AND TENTH OF A FOOT.
 *THE INFORMATION DEPICTED ON THIS MAP REPRESENTS RESULTS OF HYDROGRAPHIC SURVEYS MADE ON THE DATES INDICATED, AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.
 *UNLESS OTHERWISE NOTED: SOUNDINGS TAKEN USING AN INERSPACE 448 FATHOMETER (3"); HORIZONTAL LOCATION BY TRIMBLE 4000RS DOPS PAIR (SUB-METER); AUTOMATED DATA COLLECTION/REDUCTION USING HYPACK V5.9; TIDAL ELEVATIONS BY TELEMETRY LINK FROM HAZEN TIDE GAUGE, OR BY MANUAL WATER SURFACE MEASUREMENTS FROM A KNOWN POINT.

TRENCH TOES

1 INCH = 40 FEET

Warning: Reproductions may not be to scale

STOCKTON CROSSING* (Trench Exc.)	Station	Grade	DLL	2' DRAIN ROCK (BEDDING) Grade	6" Drain Rock (COVER) Grade
200+64	1.50	-0.50			5.50
200+75	-0.77	-2.77	12.31		3.23
200+81	-2.01	-4.01	16.03		1.99
201+00	-9.84	-11.84	39.53		-5.84
201+25	-20.15	-22.15	70.46		-16.15
201+37	-25.10	-27.10	85.30		-21.10
201+50	-27.89	-29.89	93.68		-23.89
201+75	-33.27	-35.27	109.80		-29.27
201+84	-35.20	-37.20	115.60		-31.20
202+00	-35.20	-37.20	115.60		-31.20
202+25	-35.20	-37.20	115.60		-31.20
202+50	-35.20	-37.20	115.60		-31.20
202+59	-35.20	-37.20	115.60		-31.20
202+75	-38.89	-40.89	126.67		-34.89
203+00	-44.66	-46.66	143.98		-40.66
203+25	-50.43	-52.43	161.28		-46.43
203+50	-56.19	-58.19	178.58		-52.19
203+73	-61.50	-63.50	194.50		-57.50
204+00	-61.50	-63.50	194.50		-57.50
204+25	-61.50	-63.50	194.50		-57.50
204+50	-61.50	-63.50	194.50		-57.50
204+75	-61.50	-63.50	194.50		-57.50
205+00	-61.50	-63.50	194.50		-57.50
205+25	-61.50	-63.50	194.50		-57.50
205+50	-61.50	-63.50	194.50		-57.50
205+75	-61.50	-63.50	194.50		-57.50
206+00	-61.50	-63.50	194.50		-57.50
206+18	-61.50	-63.50	194.50		-57.50
206+25	-60.90	-62.90	192.71		-56.90
206+45	-59.20	-61.20	187.60		-55.20
206+50	-57.64	-59.64	182.92		-53.64
206+75	-49.85	-51.85	159.54		-45.85
206+79	-48.60	-50.60	155.80		-44.60
206+94	-39.60	-41.60	128.80		-35.60
207+00	-33.92	-35.92	111.77		-29.92
207+07	-27.30	-29.30	91.90		-23.30
207+23	-11.30	-13.30	43.90		-7.30
207+25	-9.74	-11.74	39.21		-5.74
207+42	3.55	1.55			7.55

DUTRA MATERIALS CO., INC.
DREDGING PROJECT BATHYMETRY MAP
 2199 CLEMENT STREET ALAMEDA, CA 94601 (510) 814-0784
 CONTRACT NO.
 JOB: STOCKTON SHIP CHANNEL SEWER TRENCH AD SURVEY
 SHEET NUMBER 01 OF 01 TOTAL SHEETS

RECORD DRAWING
 THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

DRAWN BY:	ENGR.:	DATE(S) OF DREDGING:	DREDGE:	HYDROGRAPHIC SURVEY DATE(S):	10-03-98
CHECKED BY:				SURVEY VESSEL:	POSITIONING: DGPS

GENERAL NOTES:

- TYPICAL DETAILS SHOWN ON DRAWINGS E-2 AND E-3 SHALL APPLY TO ALL LOCATIONS WHETHER SPECIFICALLY REFERENCED OR NOT ON ANY DRAWING.
- ALL LIGHTING SWITCHES, MANUAL STARTERS, CONTROL STATIONS, DISCONNECT SWITCHES, THERMOSTATS SHALL BE MOUNTED AT 52" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- CONVENIENCE OUTLETS SHALL BE MOUNTED AT 18" ABOVE FLOOR OR GRADE UNLESS OTHERWISE NOTED. OUTDOOR OUTLETS SHALL BE PER TYPICAL DETAIL.
- PENDANT MOUNTED FIXTURES SHALL BE MOUNTED AT 11'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- A NEMA 12 OR NEMA 4 SAFETY DISCONNECT SWITCH SHALL BE PROVIDED AS REQUIRED BY LATEST NATIONAL ELECTRICAL CODE FOR ANY EQUIPMENT FURNISHED OR SUPPLIED WITHOUT A DISCONNECT.
- EQUIPMENT SUCH AS ALARM PANEL, ETC. SHOWN WALL MOUNTED, SHALL BE STRUCTURALLY SUPPORTED BY PREFORMED GALVANIZED VERTICAL CHANNELS.
- ALL OUTDOOR ENCLOSURES SHALL BE NEMA 4 UNLESS SPECIFICALLY NOTED OTHERWISE.
- NOT ALL EQUIPMENT INTERCONNECTIONS ARE SHOWN ON FLOOR PLANS. REFER TO ALL SCHEMATIC DIAGRAMS, CONTROL DIAGRAMS, ETC. FOR ADDITIONAL FIELD WIRING REQUIRED.
- FOR MOTORS SPECIFIED WITH SPACE HEATERS, THE CONTROL POWER TRANSFORMERS SHALL HAVE ADEQUATE CAPACITY TO HANDLE THE EXTRA RESISTIVE LOAD AS REQUIRED.
- PROVIDE 20% SPARE CONDUCTORS FOR ALARM OR CONTROL CIRCUIT FROM EQUIPMENT LOCATED IN FIELD TO PUMP STATION. SPARE CONDUCTORS SHALL BE TAGGED AT BOTH ENDS INDICATING LOCATION OF TERMINATION. (NOT SHOWN ON DRAWINGS)
- ALL 120V AND 480V CIRCUIT CONDUIT RUNS SHALL CONTAIN A SEPARATE GROUND CONDUCTOR WHETHER OR NOT SHOWN ON THE PLANS.
- ALL DEVICES SUCH AS PUSHBUTTON STATIONS, ETC. IN ADDITION TO SPECIFIC REQUIREMENTS OUTLINED HEREIN, SHALL HAVE EXTRA CORROSION PROTECTION HYPALON PROTECTION BOOTS HAVING 316 STAINLESS STEEL INSERT RING OR EQUAL.
- ALL CONDUITS ENCASED IN CONCRETE SLABS, FLOORS, CEILINGS OR WALLS SHALL BE SPACED IN CONFORMANCE TO DETAIL 843 & 844.
- CONDUITS ENTERING ANY AREA WHERE CORROSIVE GASSES ARE BEING HANDLED OR STORED AND ANY NEC ARTICLE 500 HAZARDOUS AREA SHALL BE SEALED. USE APPLETON, CROUSE-HINDS "EYS" OR EQUAL.

ABBREVIATIONS

ACB	AIR CIRCUIT BREAKER
BKR	BREAKER
C	CONDUIT
CO	CONDUIT ONLY
CU	CONDENSING UNIT
CPT	CONTROL POWER TRANSFORMER
EF	EXHAUST FAN
FE	FLOW ELEMENT
FIT	FLOW INDICATOR TRANSMITTER
FL	FLOOR
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
IPP	INSTRUMENT POWER PANEL
KW	KILOWATT
LP	LIGHTING PANEL
LS	LIMIT SWITCH
LTG	LIGHTING
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MOT	MOTOR
NTS	NOT TO SCALE
OL	OVERLOAD
PNL	PANEL
PMP	PUMP
PR	INSTRUMENT CABLE PAIR (#18 SH.)
RTU	RADIO TRANSMITTER UNIT
SF	SUPPLY FAN
SP	SPARE
SS	SELECTOR SWITCH
T	TELEPHONE
TYP	TYPICAL
SPD	SURGE PROTECTIVE DEVICE
UH	UNIT HEATER
U.O.N.	UNLESS OTHERWISE NOTED
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
XFMR	TRANSFORMER

LEGEND

	CONDUIT HOME RUN TO MCC-B EXPOSED		GENERATOR
	CONDUIT HOME RUN TO MCC-B IN SLAB OR DUCTBANK		MOTOR
	SUBMERSIBLE CABLE		SURGE PROTECTIVE DEVICE
	CONDUIT EXPOSED UNLESS OTHERWISE NOTED		HEATER
	CONDUIT ENCASED IN DUCTBANK OR SLAB UNLESS OTHERWISE NOTED		BIMETALLIC OVERLOAD
	EXISTING CONDUIT ENCASED IN DUCTBANK OR SLAB		FUSE
	EXISTING CONDUIT OR EQUIPMENT TO BE REMOVED		GROUND CONNECTION
*	INDICATES DEVICE LOCATED IN MCC OR PANEL BOARD		TELEPHONE OUTLET
E	INDICATES DEVICE LOCATED IN PANEL "P"		DUPLEX RECEPTACLE OUTLET 20A, 125V GROUNDING TYPE
Δ	INDICATES DEVICE LOCATED AT OR NEAR LOAD		SPECIAL RECEPTACLE WITH RATING AS NOTED WHERE SHOWN
	INCANDESCENT LIGHTING FIXTURE		CEILING MOUNTED "J" BOX
	POLE MOUNTED LIGHTING FIXTURE		DUAL HEAD BATTERY PACK EMERGENCY LIGHTING UNIT
	WALL MOUNTED LIGHTING FIXTURE		VOLTMETER SWITCH
	FLUORESCENT LIGHTING FIXTURE		VOLTMETER
	CONTROL RELAY		AMMETER SWITCH
	TIME DELAY RELAY		AMMETER
	SOLENOID VALVE		GROUND ROD
	TIME DELAY RELAY CONTACT (NORMALLY OPEN WITH TIME DELAY, OPENING AFTER COIL IS DE-ENERGIZED)		BURIED OR EMBEDDED GROUND CABLE
	FLOW SWITCH		EXOTHERMIC WELDED CONNECTION
	LIMIT SWITCH		LOCALLY MTD STARTER OR CONTROLLER
	LEVEL SWITCH		INDICATES ALL MATERIALS, EQUIPMENT AND INSTALLATION SHALL BE SUITABLE FOR OUTDOOR CORROSIVE ENVIRONMENT. NEMA 7 INDICATES FOR CLASS I, DIV. 1 HAZARDOUS LOCATION
	PRESSURE SWITCH		CONDUIT TURNED UP
	START PUSHBUTTON		CONDUIT TURNED DOWN
	STOP PUSHBUTTON		POWER POLE
	STOP PUSHBUTTON WITH LOCK OUT		MOTOR STARTER COIL
	SELECTOR SWITCH		MOTOR STARTER - NUMBER INDICATES NEMA SIZE, R = REVERSING
	INDICATING LIGHT - LETTER DENOTES COLOR (SCHEMATIC OR ELEVATION ONLY) A=AMBER, R=RED, W=WHITE, G=GREEN		CIRCUIT BREAKER WITH TRIP RATING AND NUMBER OF POLES
	SINGLE POLE SWITCH		TRANSFORMER
	THREE WAY SWITCH		DOOR LIMIT SWITCH
	MANUAL STARTER WITH OVERLOAD PROTECTION AND PILOT LIGHT		POTENTIAL TRANSFORMER
	RUNNING TIME METER		FIXTURE TYPE NO. OF FIXTURES NO. OF LAMPS/LAMP WATTAGE MOUNTING ELEVATION
	THERMOSTAT		4XX 480 VAC CIRCUIT
	TEMPERATURE SWITCH		3XX 277 VAC CIRCUIT
	PHOTOCELL		2XX 208 OR 240 VAC CIRCUIT
	TIMER		1XX 120 VAC CIRCUIT
	DISCONNECT SWITCH		
	PUSHBUTTON STATION		
	MOTOR - NUMBER INDICATES HP		
	CURRENT TRANSFORMER, NUMBER INDICATED		
	VARIABLE FREQUENCY DRIVE		

DWG LAST EDITED BY: EPM USER LOGIN TIME: MAY 22, 1997 6:54 AM DWG LAST EDITED ON: 05/22/97 16:28:51
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REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

DISCIPLINE ENGINEER		PROJECT ENGINEER		PARTNER	
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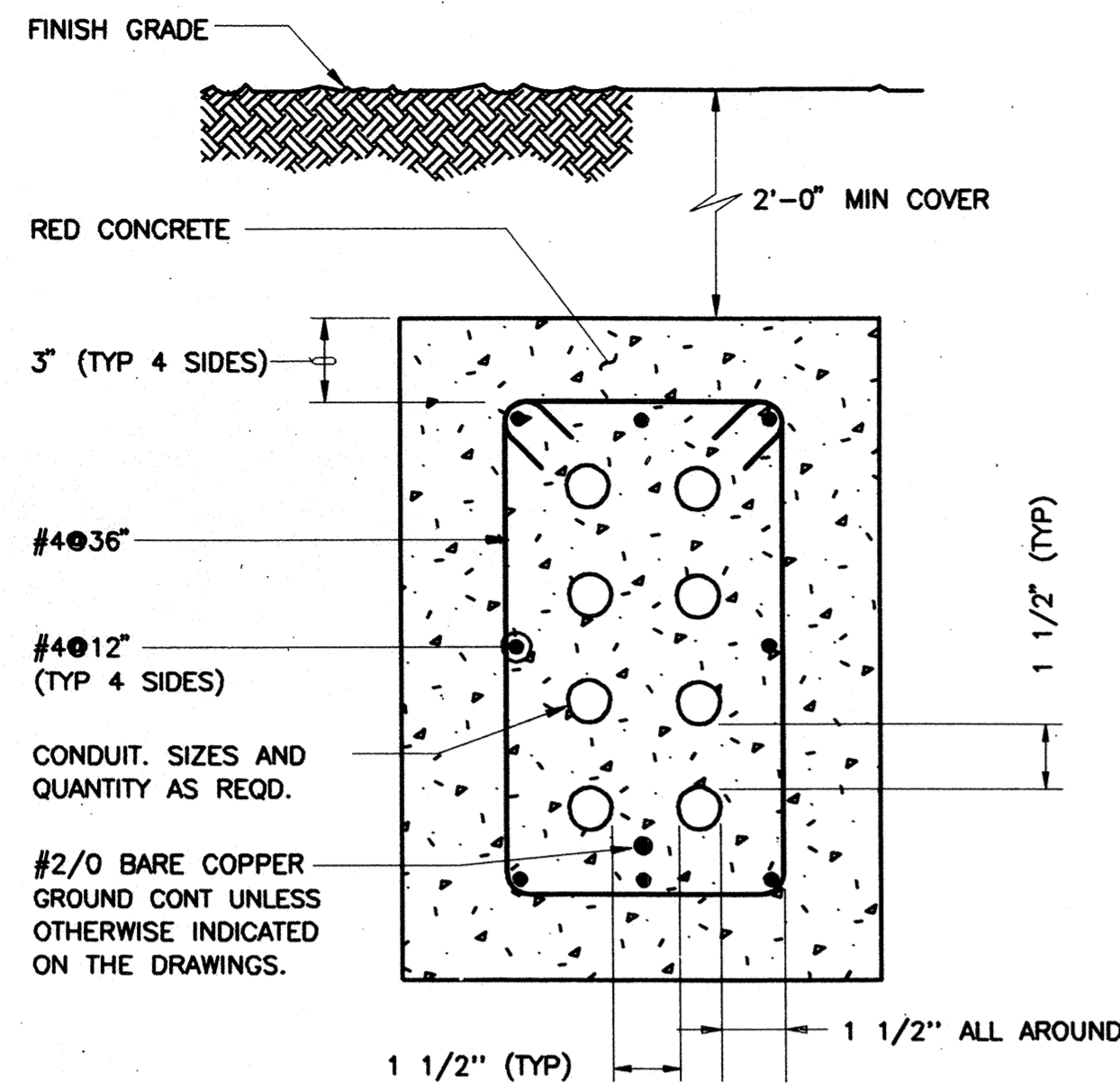


RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

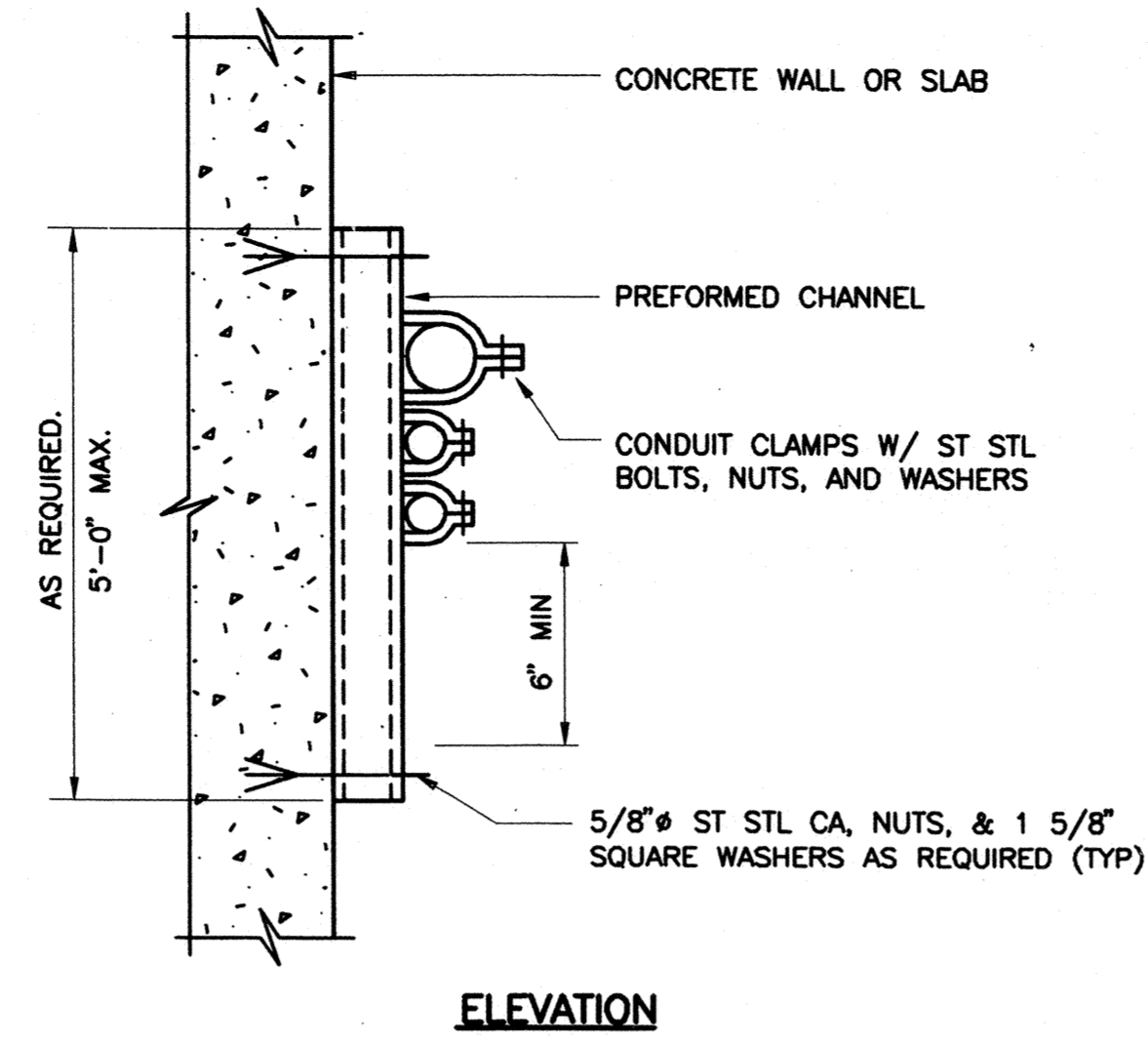
WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
ELECTRICAL		
NOTES AND LEGEND		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: NONE	APPROVED BY: <i>RW</i> DATE: <i>5/22/97</i>	DRAWING NO. E-1
DESIGNED: PK		SHEET NO. 87 OF 100
DRAWN: WB		JOB NO. 33850.10
CHECKED: JA	<i>Robert A. Hampton</i> CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: PG		

4006.86Ca



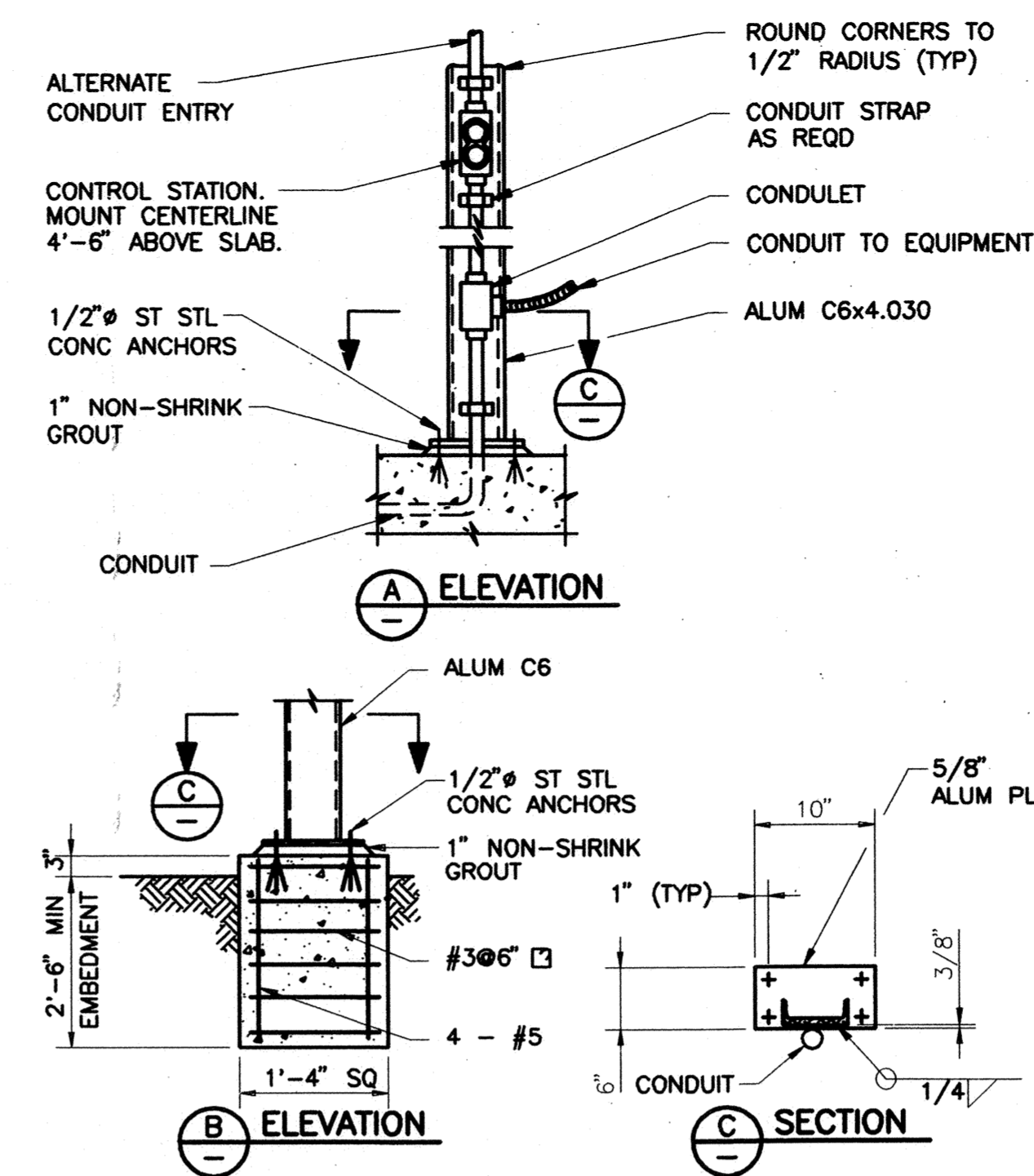
NOTE:
1. DIMENSIONS ARE MINIMUM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

800 TYP REINFORCED ENCASEMENT FOR ELECTRICAL CONDUITS



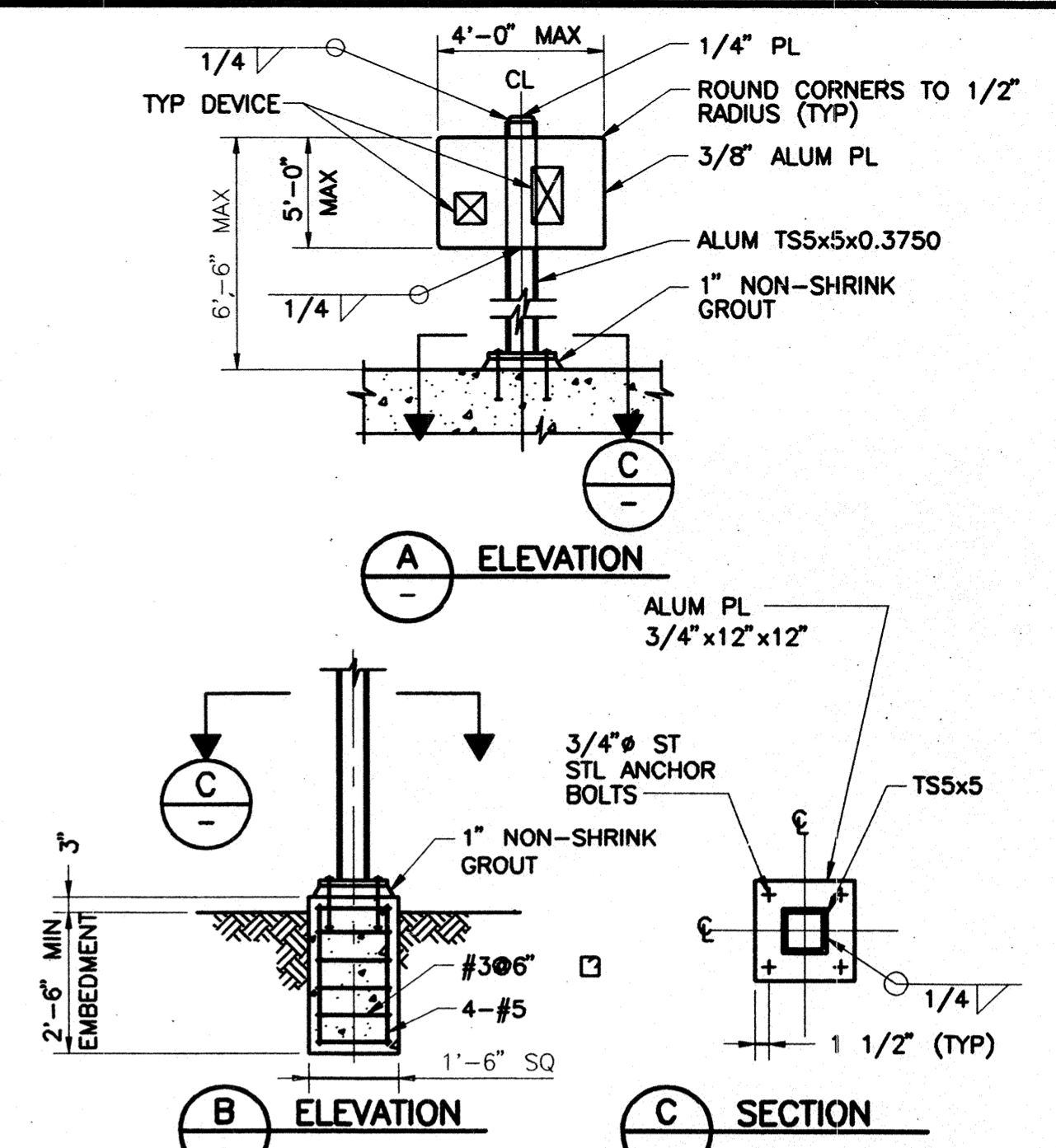
NOTES:
1. THIS DETAIL TYPICAL FOR BOTH VERTICAL AND HORIZONTAL MOUNTING.
2. PREFORMED CHANNEL, FITTINGS, AND CLAMPS SHALL BE HOT-DIP GALVANIZED STEEL. FIELD COAT ALL CUTS PER SPECIFICATIONS.
3. CHANNELS TO BE SPACED AT 5'-0\"/>

813 TYP CONDUIT SUPPORT



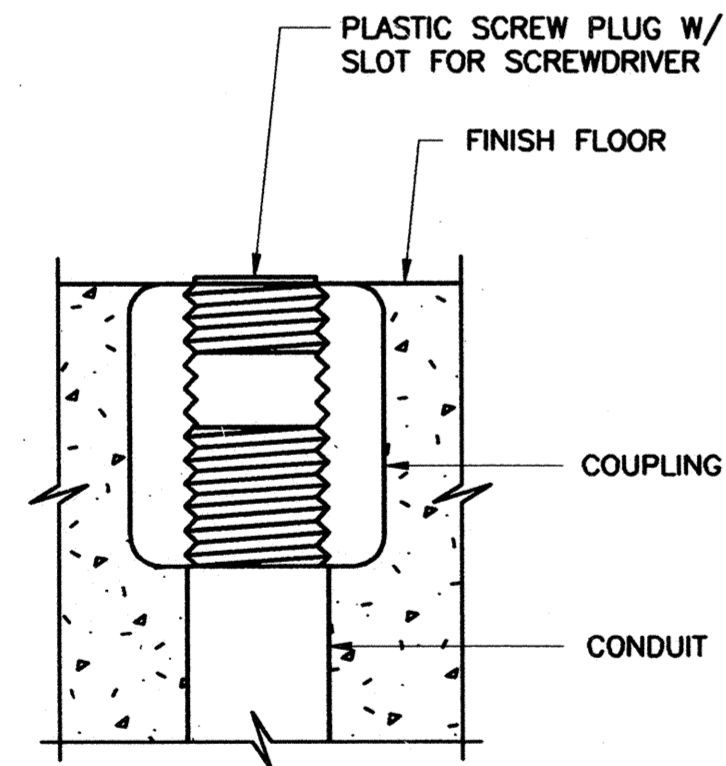
NOTES:
1. WHERE SEPARATE FOUNDATION IS REQD, SEE (B).
2. COAT ALUMINUM SURFACES IN CONTACT W/ CONCRETE PER SPECS.
3. USE ST STL FASTENERS FOR MOUNTING DEVICES.

818 TYP PUSHBUTTON STATION

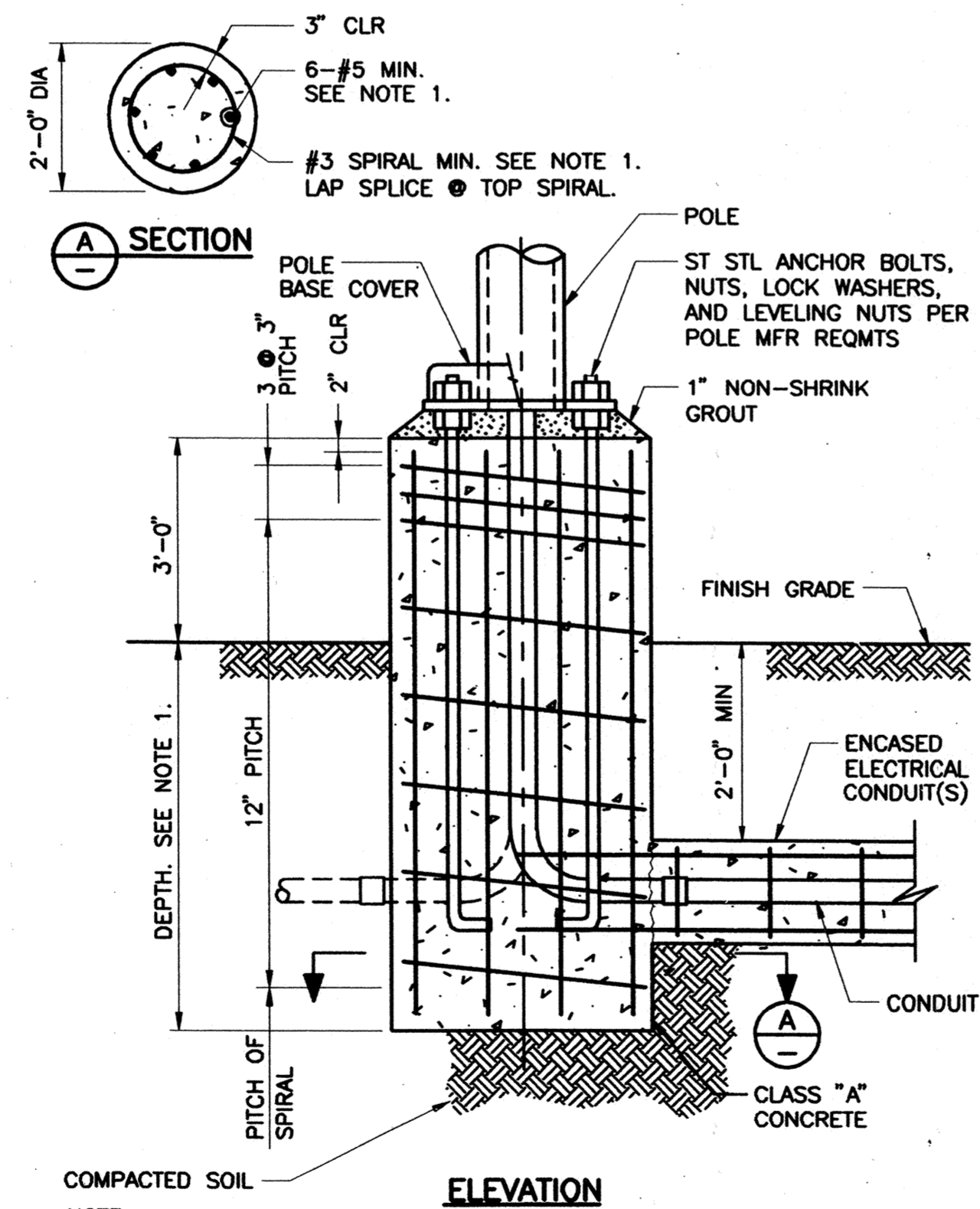


NOTES:
1. WHERE SEPARATE FOUNDATION IS REQD, SEE (B).
2. COAT ALUMINUM SURFACES IN CONTACT W/ CONCRETE PER SPECS.
3. USE ST STL FASTENERS FOR MOUNTING DEVICES.
4. WEIGHT OF DEVICE(S) SHALL NOT EXCEED 300 POUNDS.

823 TYP DEVICE SUPPORT AND MOUNTING

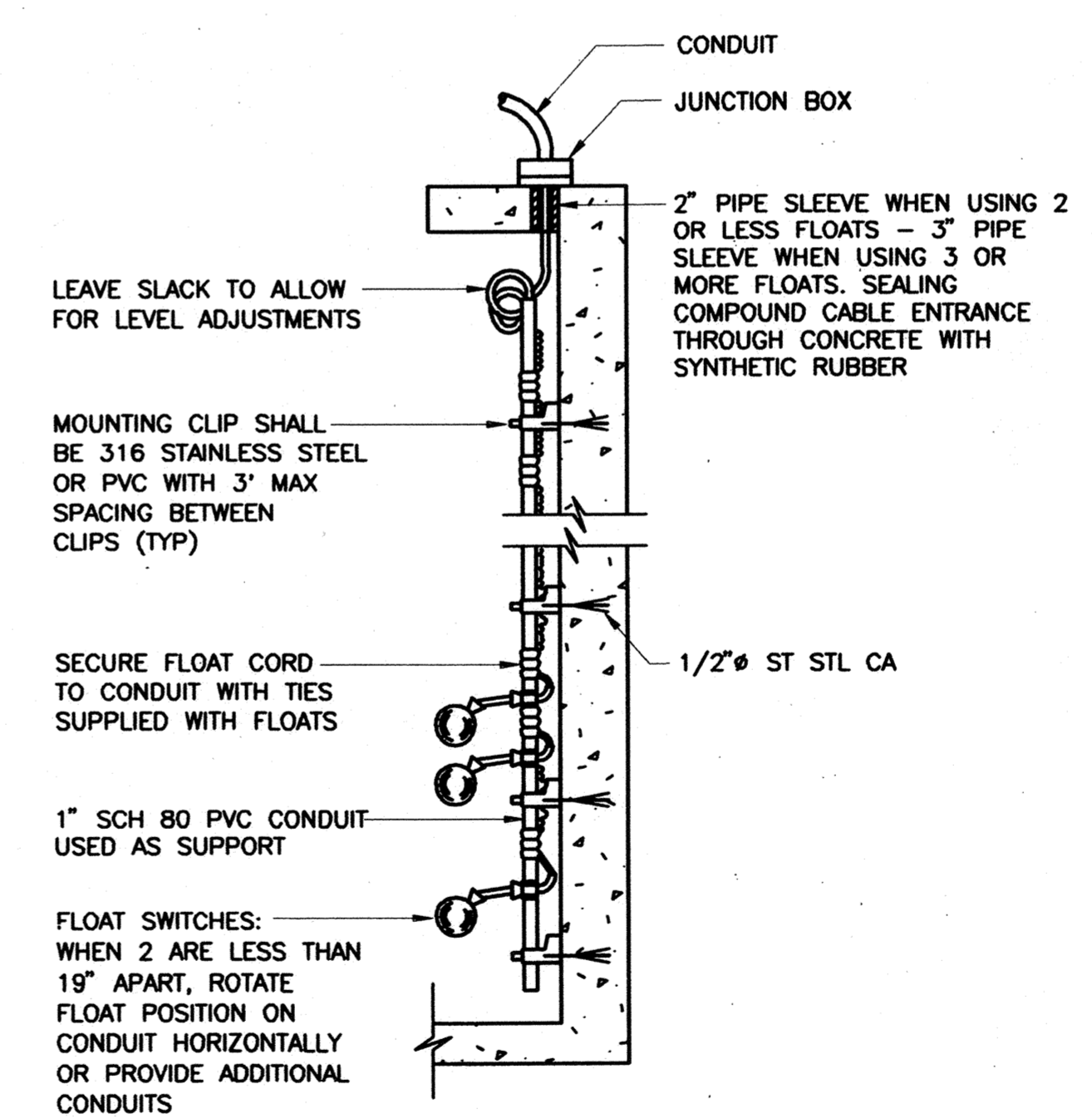


825 TYP CONDUIT FLOOR STUB-UP



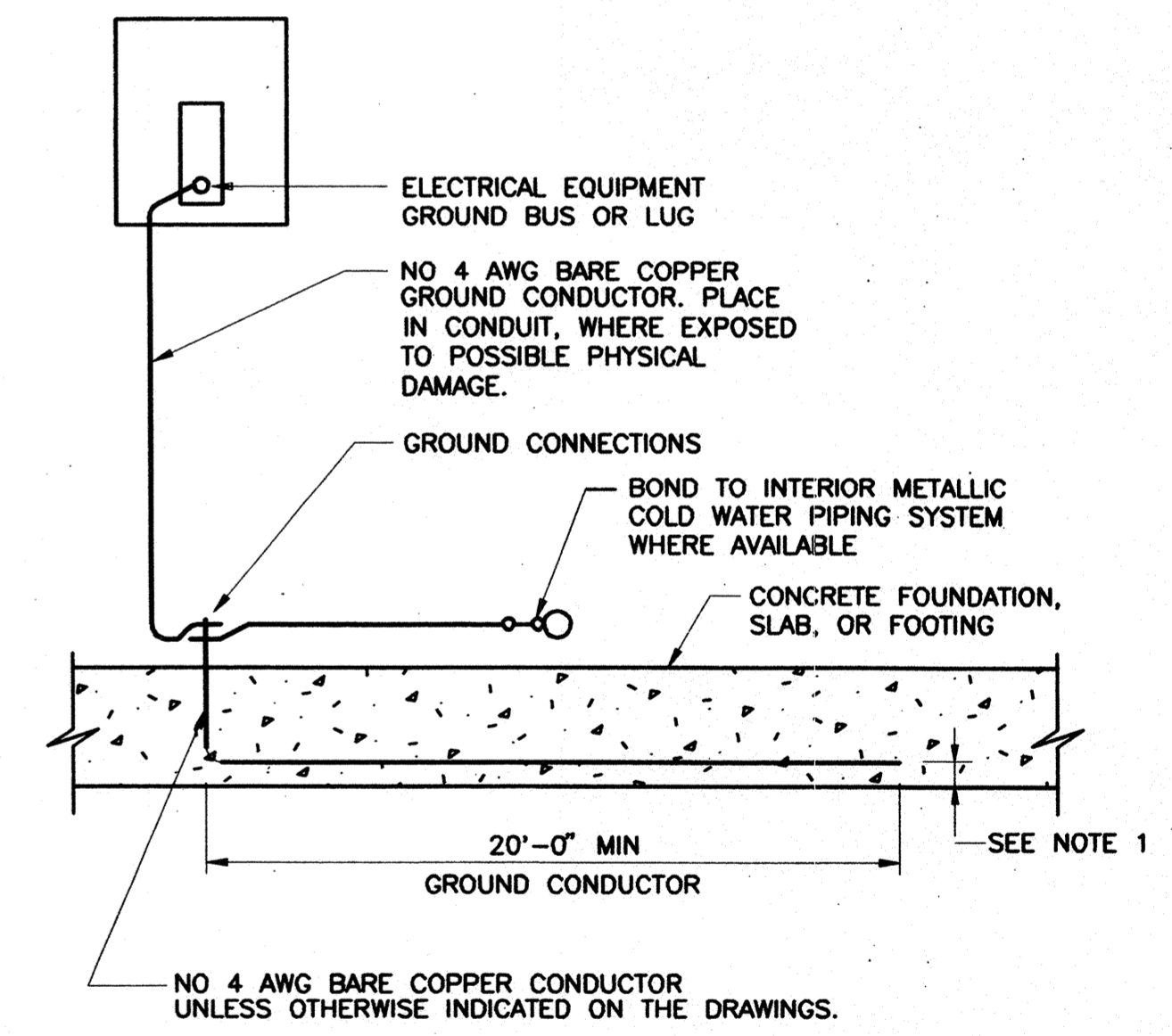
NOTE:
1. IF NOT SPECIFIED OR INDICATED ON THE DRAWINGS, DEPTH AND REINFORCEMENT SHALL BE DETERMINED BY POLE MANUFACTURER.

831 TYP AREA LIGHTING POLE MOUNTING



NOTE:
1. ATTACH CABLE TO JUNCTION BOX WITH NYLON FITTING, STAINLESS STEEL CORD GRIP; HUBBELL/KELLEMS SERIES 74 OR EQUAL.

840 TYP FLOAT SWITCH MOUNTING



NOTE:
1. 1\"/>

842 TYP CONCRETE ENCASED GROUND

REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

DISCIPLINE ENGINEER
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C20240
Exp. 6/30/00

PROJECT ENGINEER
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C50182
Exp. 6/30/01

PARTNER
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C20240
Exp. 6/30/00



WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
ELECTRICAL
TYPICAL DETAILS
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

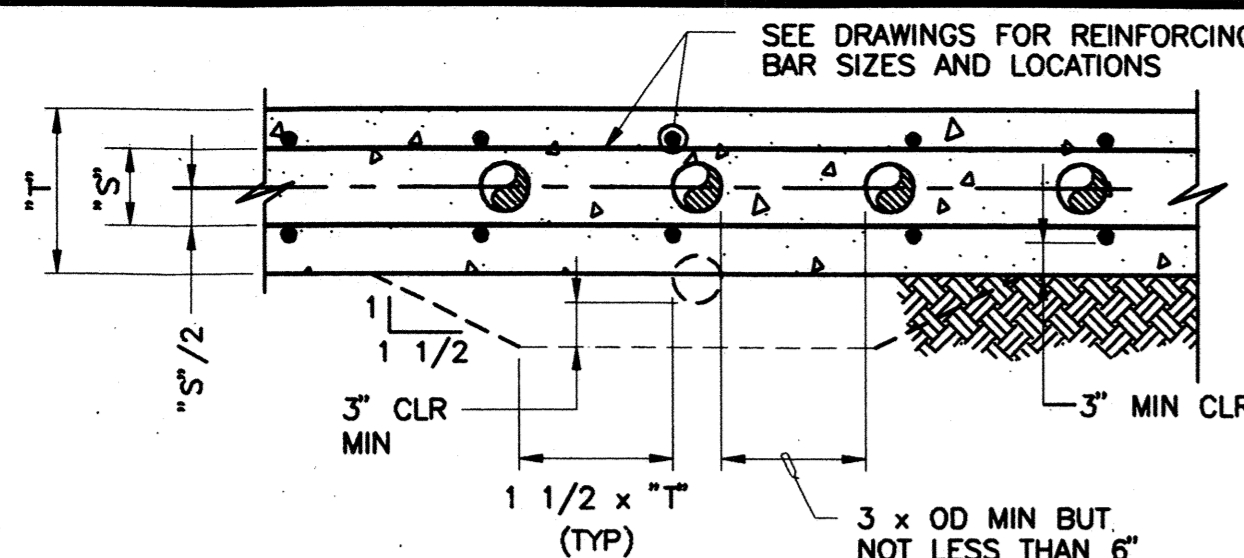
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DESIGNED: JCE
DRAWN: JCE
CHECKED: JCE
AS BUILT BY: PG

APPROVED BY: [Signature]
DATE: 8/1/07
CITY ENGINEER
STOCKTON, CALIF.

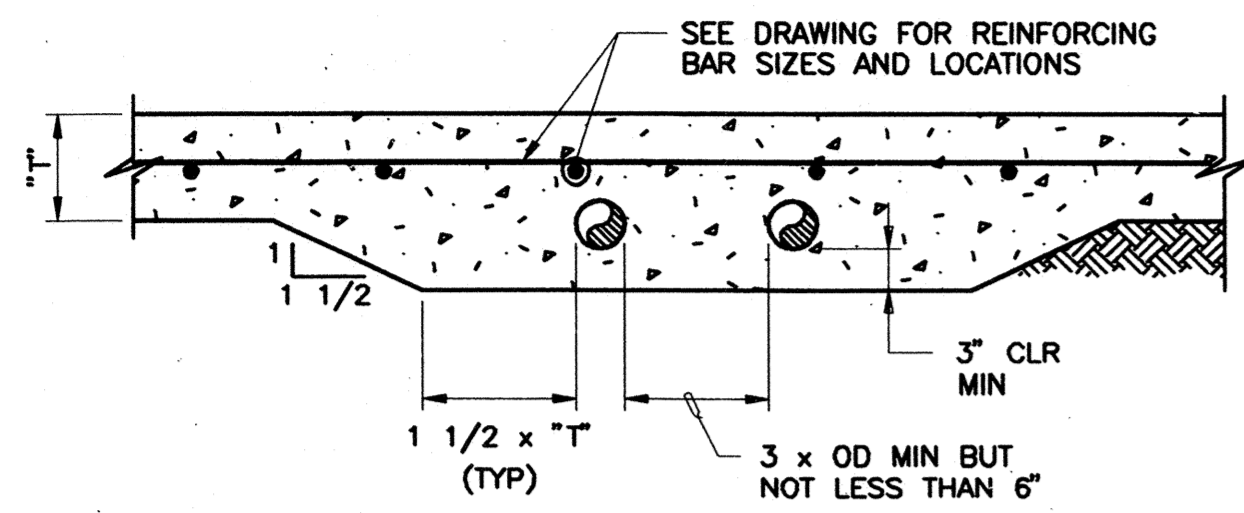
DRAWING NO. E-2
SHEET NO. 88 OF 100
JOB NO. 33850.10

4006.B7C a

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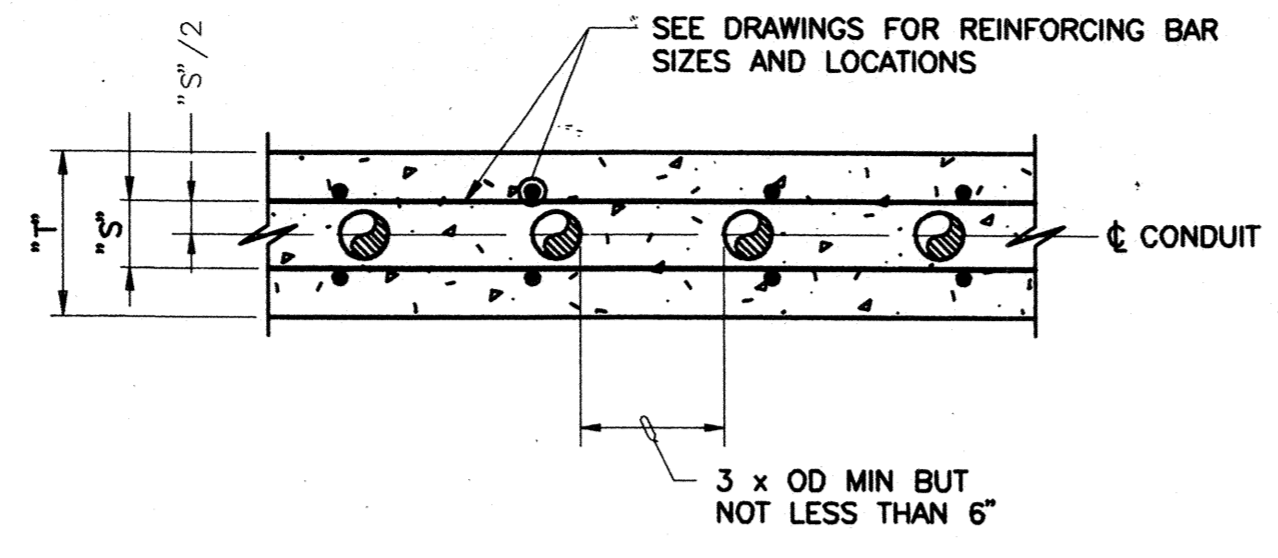
DOUBLE MAT REINFORCEMENT



SINGLE MAT REINFORCEMENT

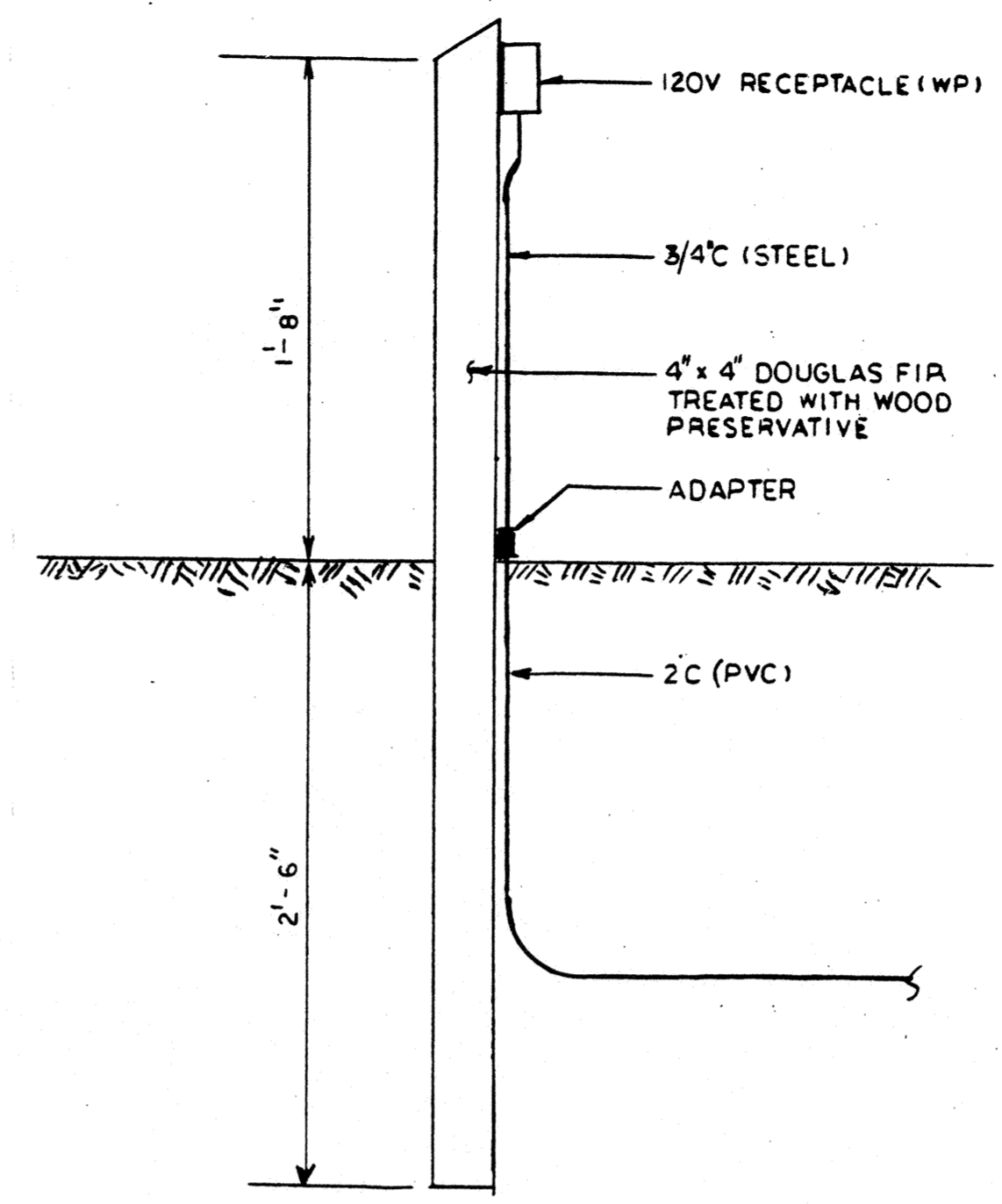
- NOTES:**
1. OD = OUTSIDE DIAMETER OF CONDUIT
 2. "S" = CLEAR SPACE BETWEEN REINFORCING
 3. MAX OD = SMALLER OF "T"/4 OR "S"-1/2"
 4. FOR OD GREATER THAN "T"/4 OR "S"-1/2", PLACE CONDUIT UNDER SLAB.
 5. METAL CONDUITS SHALL BE ISOLATED WITH 3 WRAPS OF 10 MIL PVC TAPE AT THE POINT OF CONTACT WITH REINFORCING.

843 CONDUITS AND PIPES EMBEDDED IN CONCRETE SLAB ON GRADE

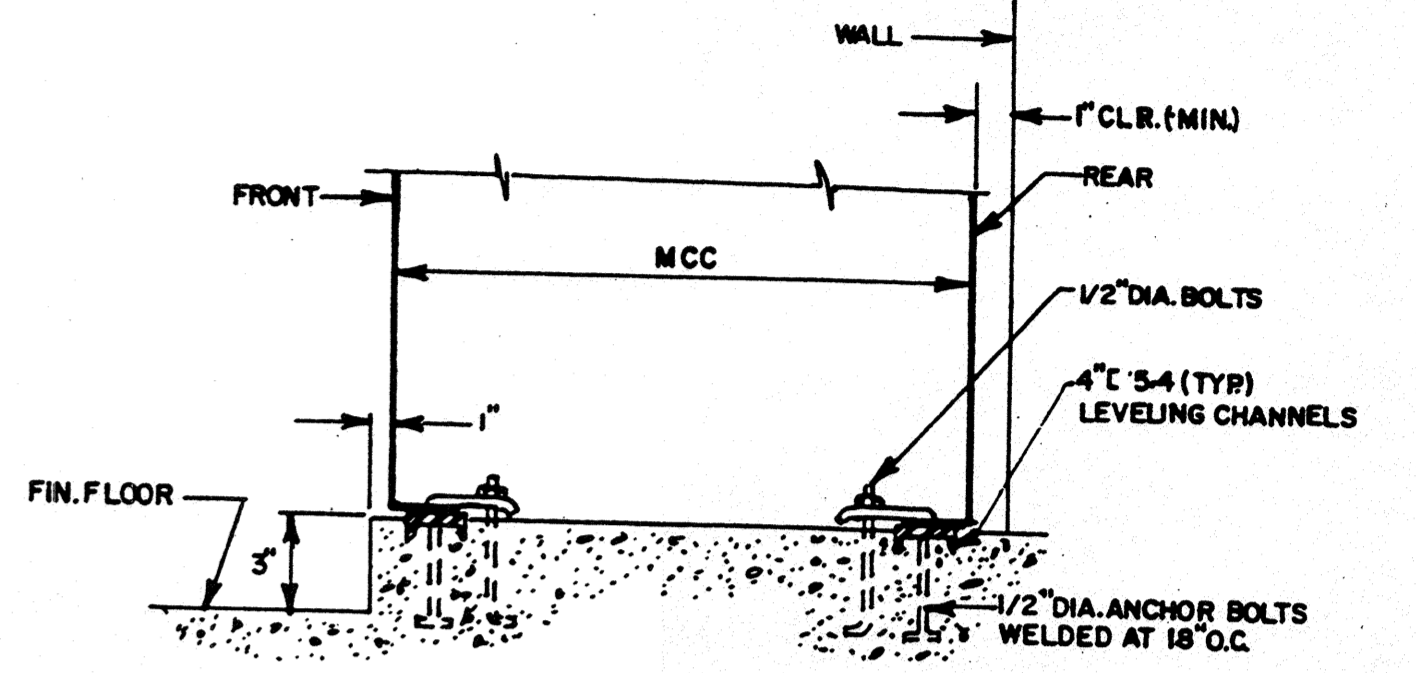


- NOTES:**
1. OD = OUTSIDE DIAMETER OF CONDUIT
 2. "S" = CLEAR SPACE BETWEEN REINFORCING
 3. MAX OD = SMALLER OF "T"/4 OR "S"-1/2"
 4. CONDUITS PARALLEL TO BEAMS AND WALLS SUPPORTING THE SLAB SHALL NOT BE PLACED CLOSER THAN 4 x "T" FROM THE FACE OF THE BEAMS OR WALLS.
 5. CONDUITS CROSSING SUPPORTING BEAMS SHALL BE INSTALLED PERPENDICULAR TO THE BEAM.
 6. METAL CONDUITS SHALL BE ISOLATED WITH 3 WRAPS OF 10 MIL PVC TAPE AT THE POINT OF CONTACT WITH REINFORCING.

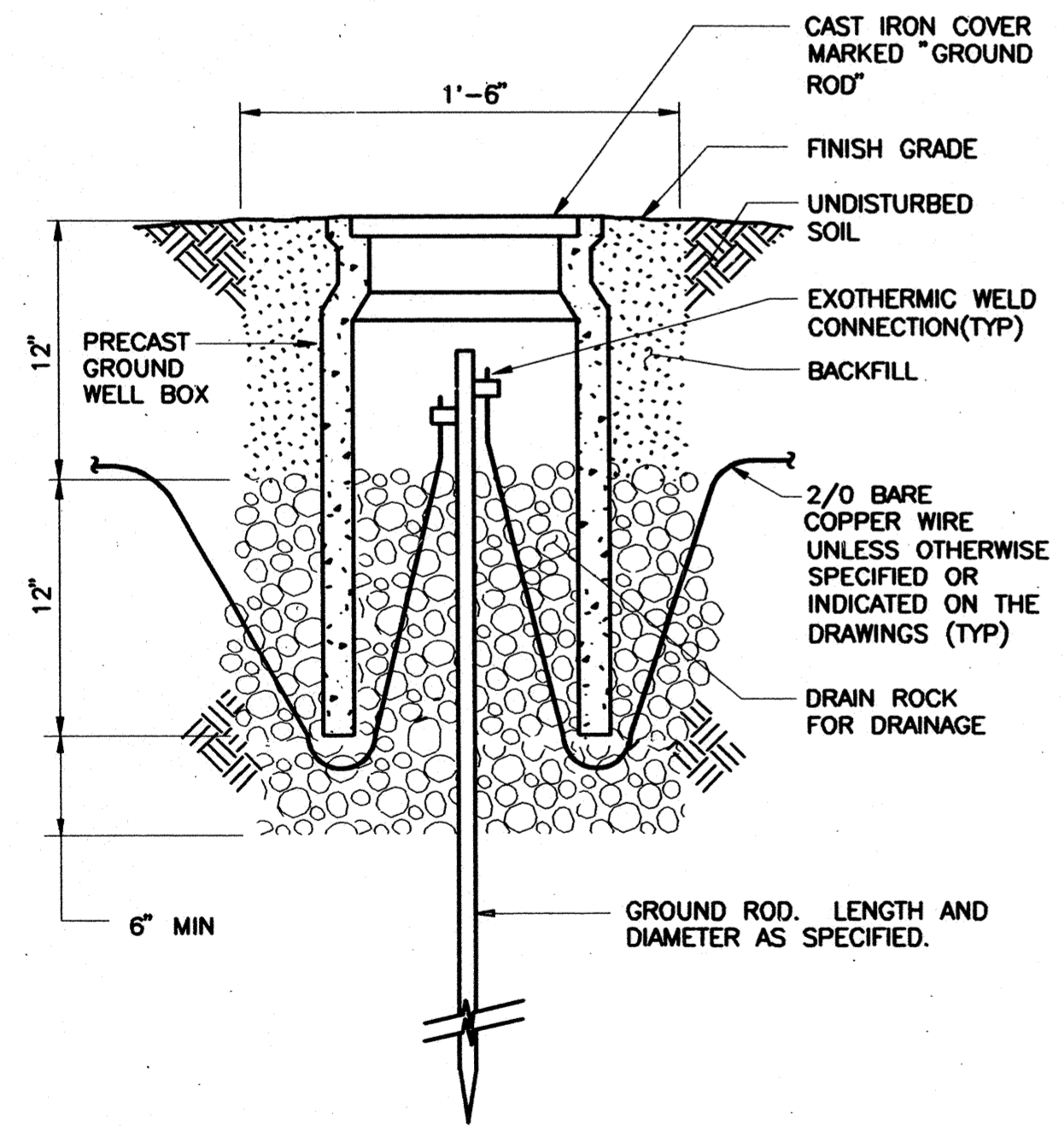
844 CONDUITS EMBEDDED IN SUSPENDED CONCRETE SLAB



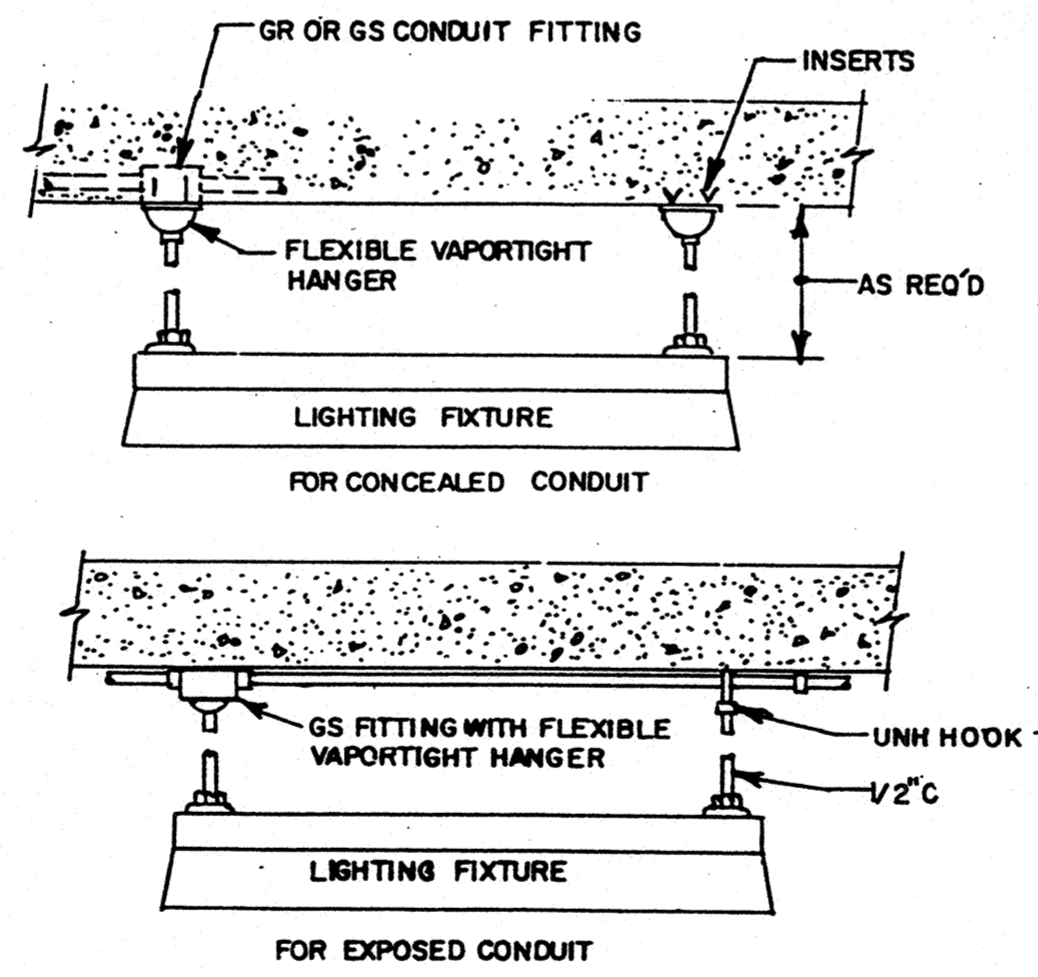
B RECEPTACLE MOUNTING



C MCC OR SWITCHBOARD MOUNTING

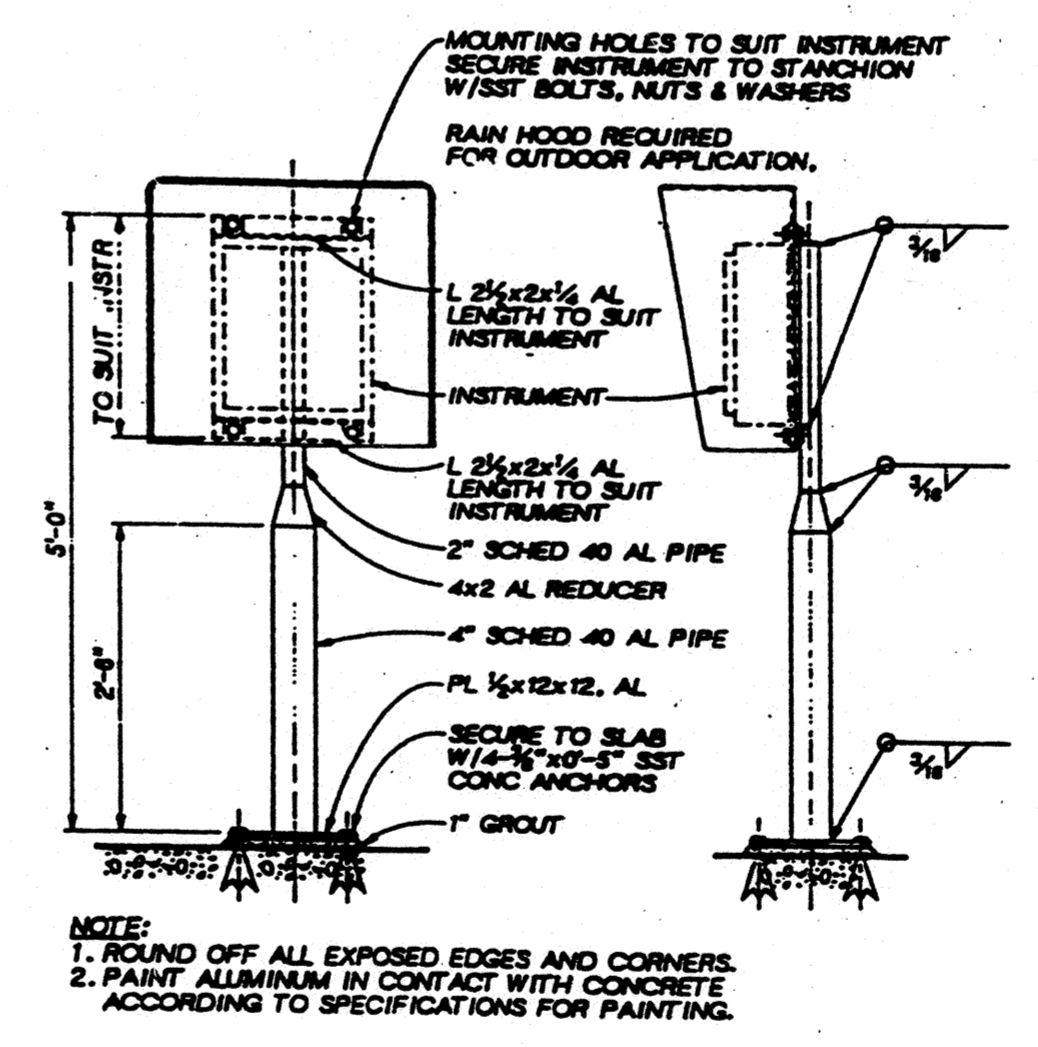


X GROUND ROD INSTALLATION



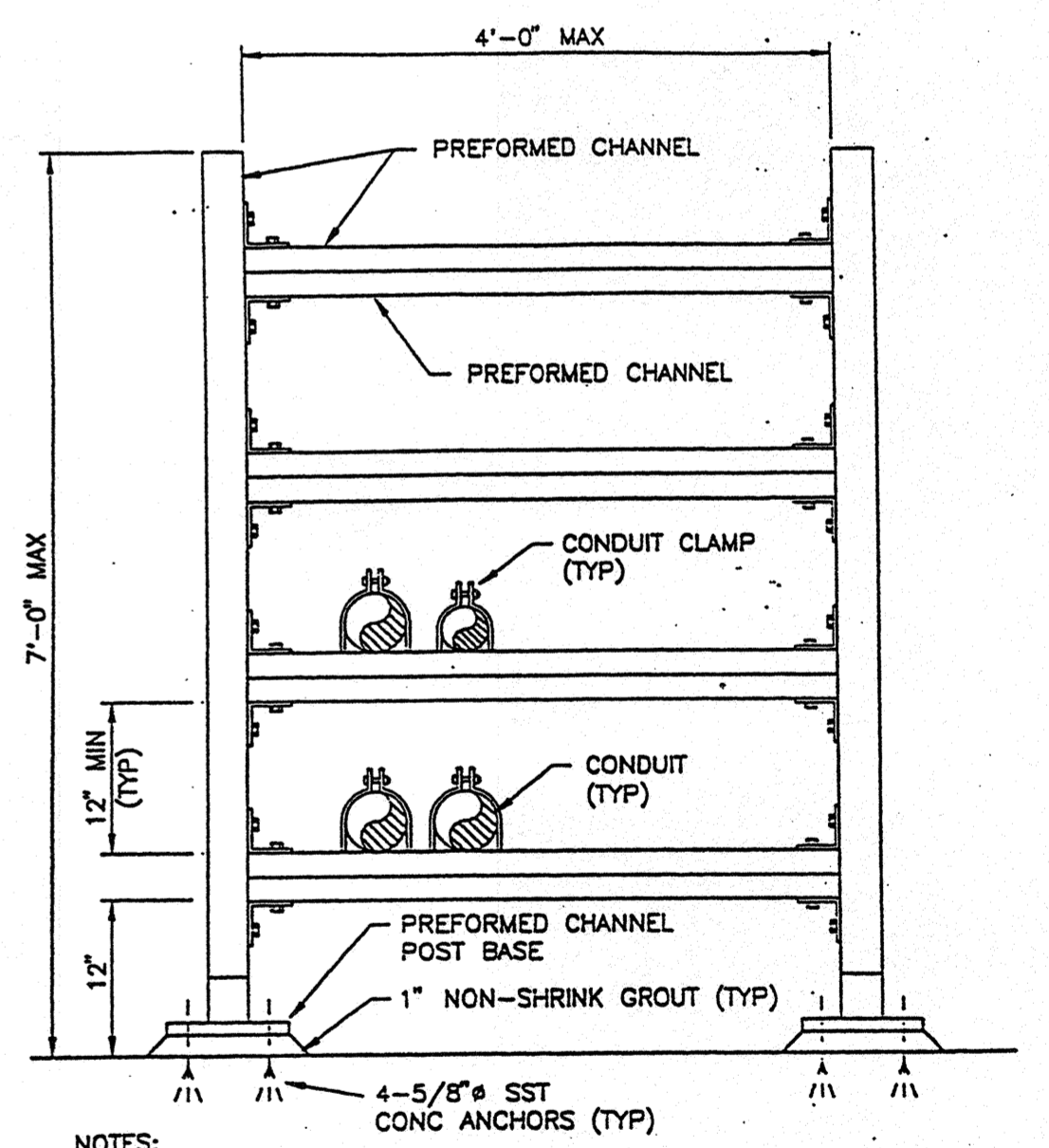
* TYPE UNH HOOK SHALL BE USED ONLY IF CONDUITS ARE ROUTED AGAINST CEILING AS SHOWN.

Y FIXTURE MOUNTING



- NOTE:**
1. ROUND OFF ALL EXPOSED EDGES AND CORNERS.
 2. PAINT ALUMINUM IN CONTACT WITH CONCRETE ACCORDING TO SPECIFICATIONS FOR PAINTING.

ZZ STANCHION SUPPORT FOR CASE MOUNTED INSTRUMENTS



- NOTES:**
1. CONDUIT SUPPORT RACK SPACING SHALL BE BASED ON MAXIMUM SPAN ALLOWABLE FOR ANY INDIVIDUAL PIPE AND FOR MAXIMUM LOAD.
 2. SEISMIC X-BRACING REQUIRED AT 30'-0\"/>

E310 CONDUIT SUPPORT RACK

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
ELECTRICAL
TYPICAL DETAILS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: AS NOTED
DESIGNED: JCE
DRAWN: JCE
CHECKED: JCE
AS BUILT BY: PG

APPROVED BY: [Signature]
DATE: [Date]
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. E-3
SHEET NO. 89 OF 100
JOB NO. 33850.10

REV.	DATE	BY	DESCRIPTION
1	1/2000	PG	RECORD DRAWING

DISCIPLINE ENGINEER: [Signature]

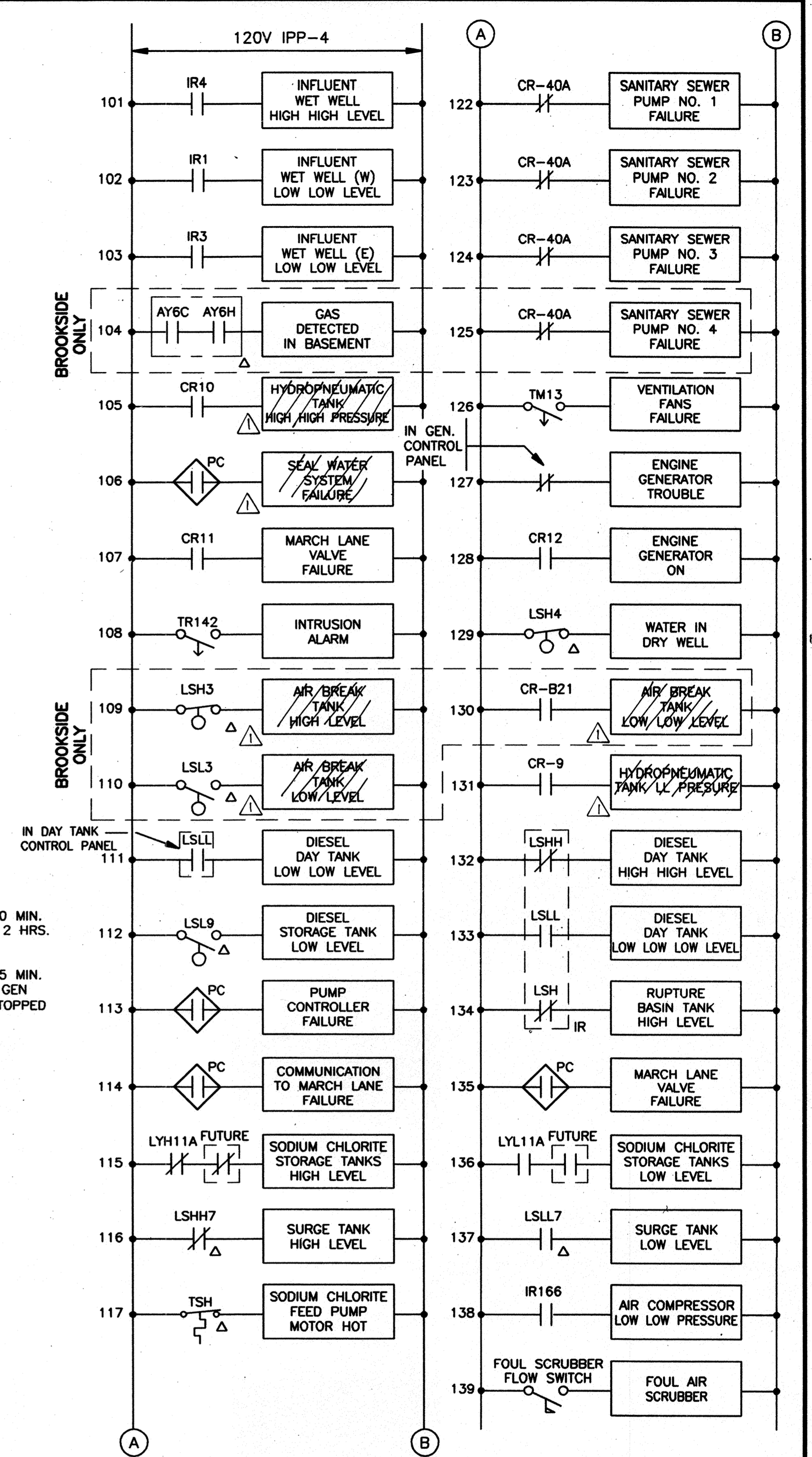
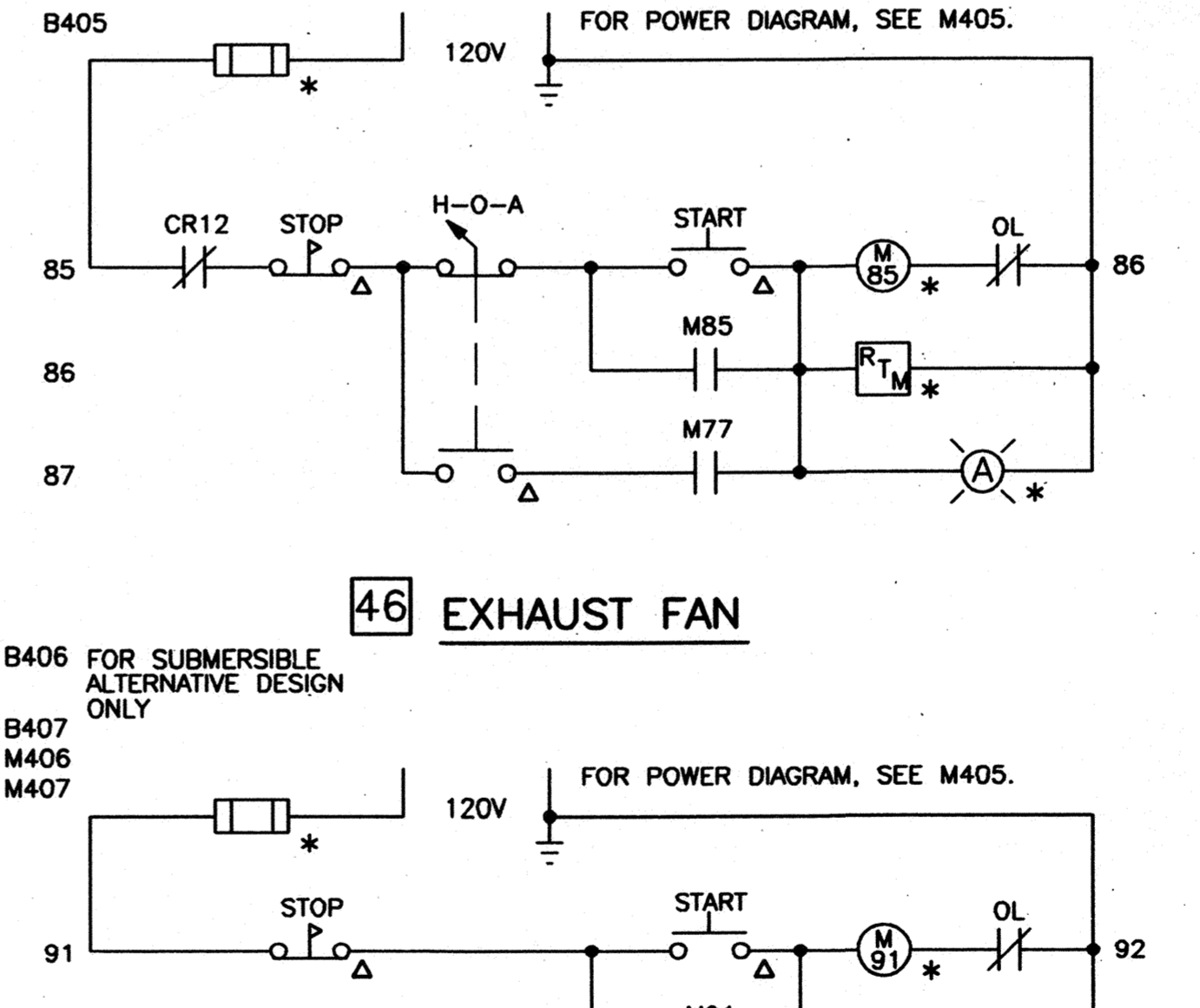
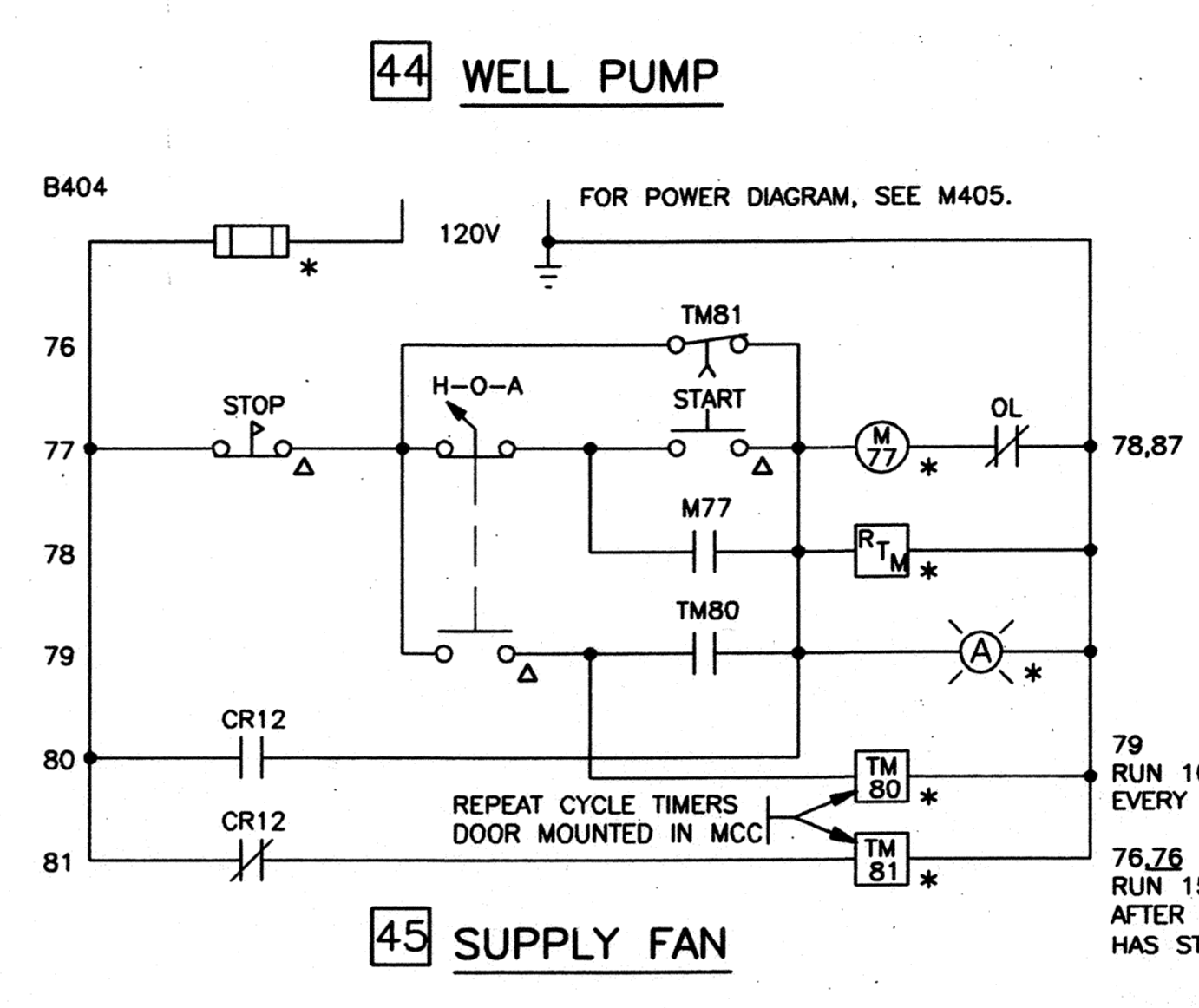
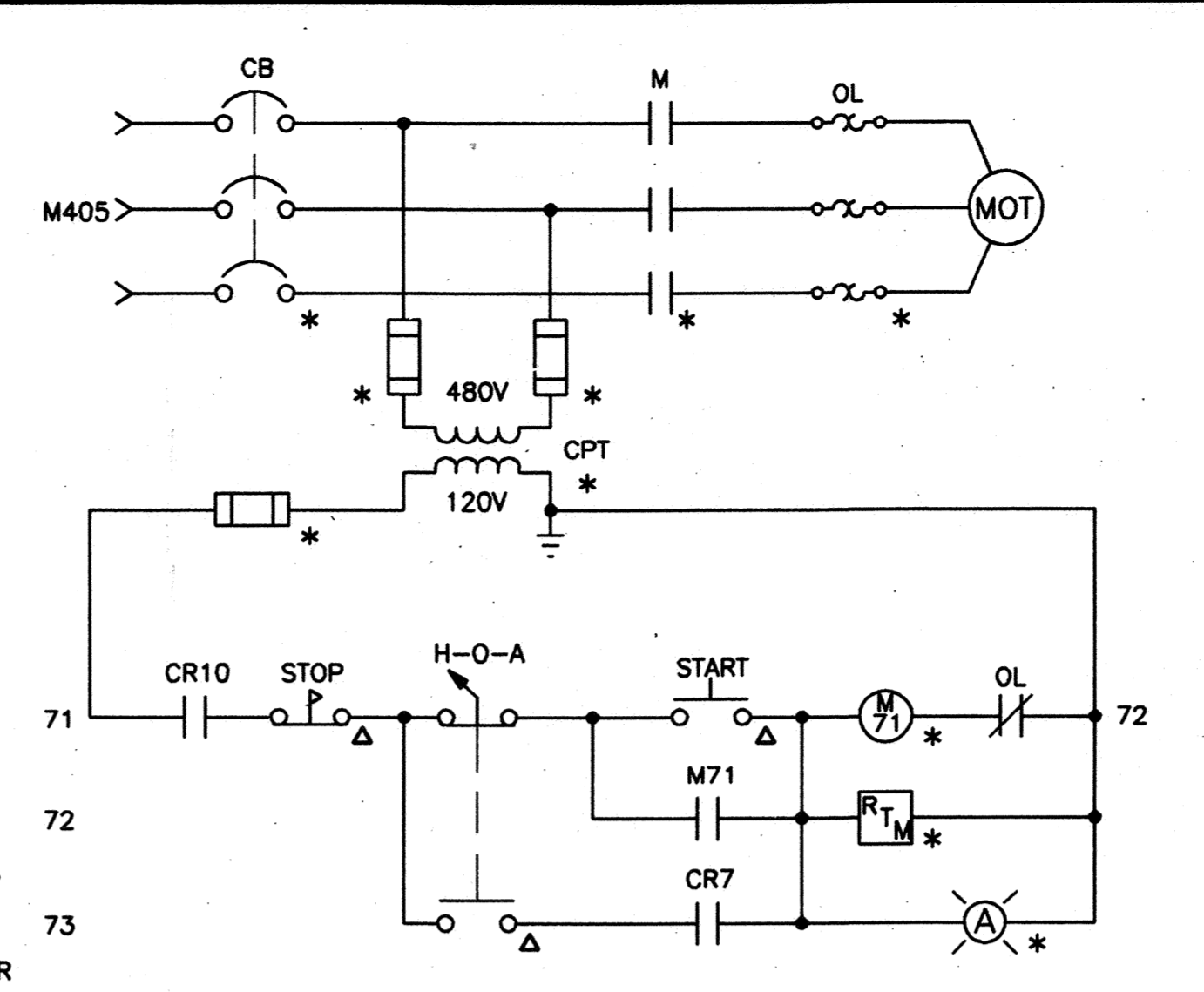
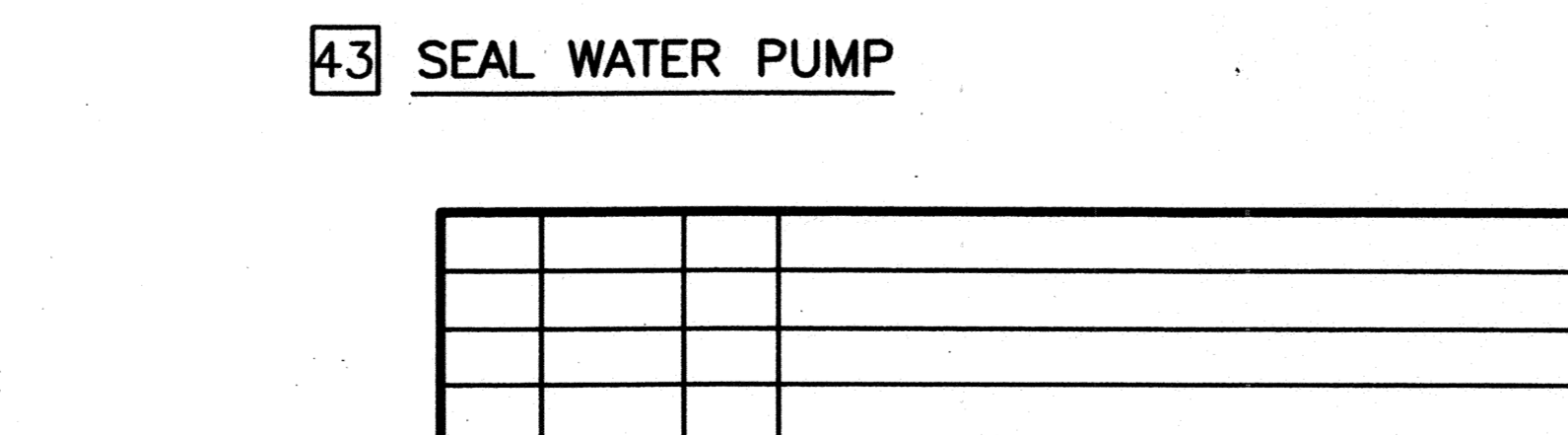
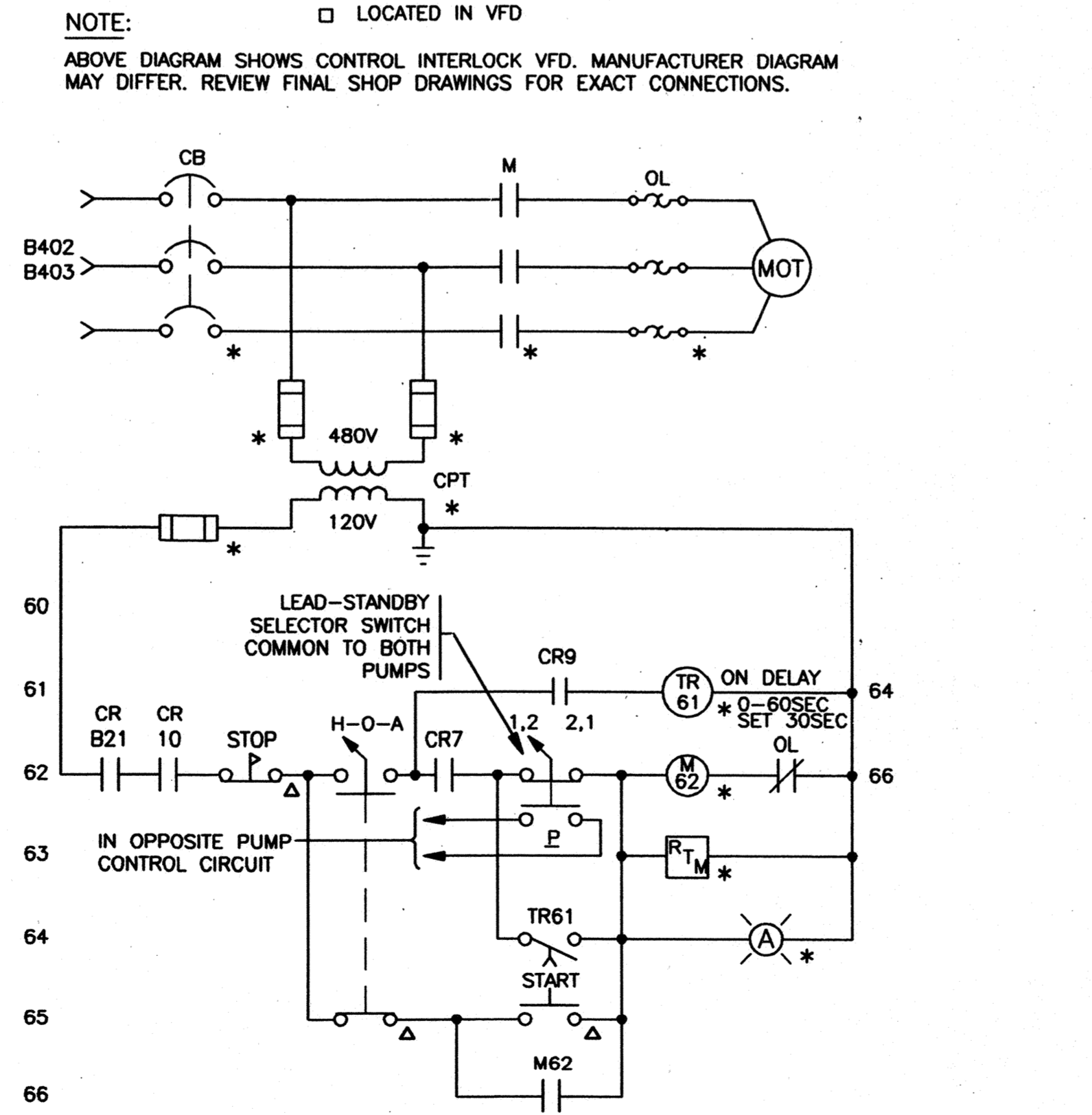
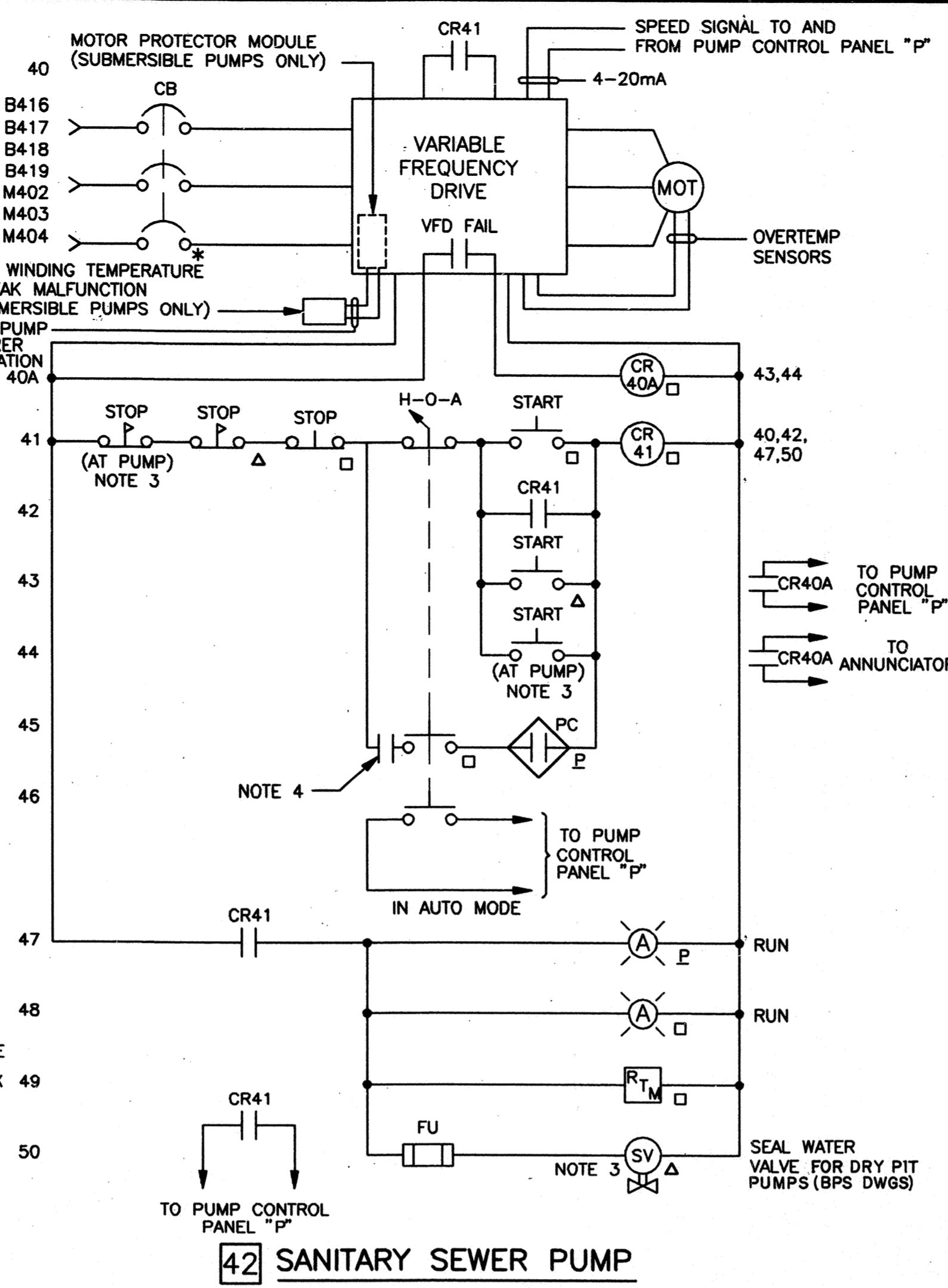
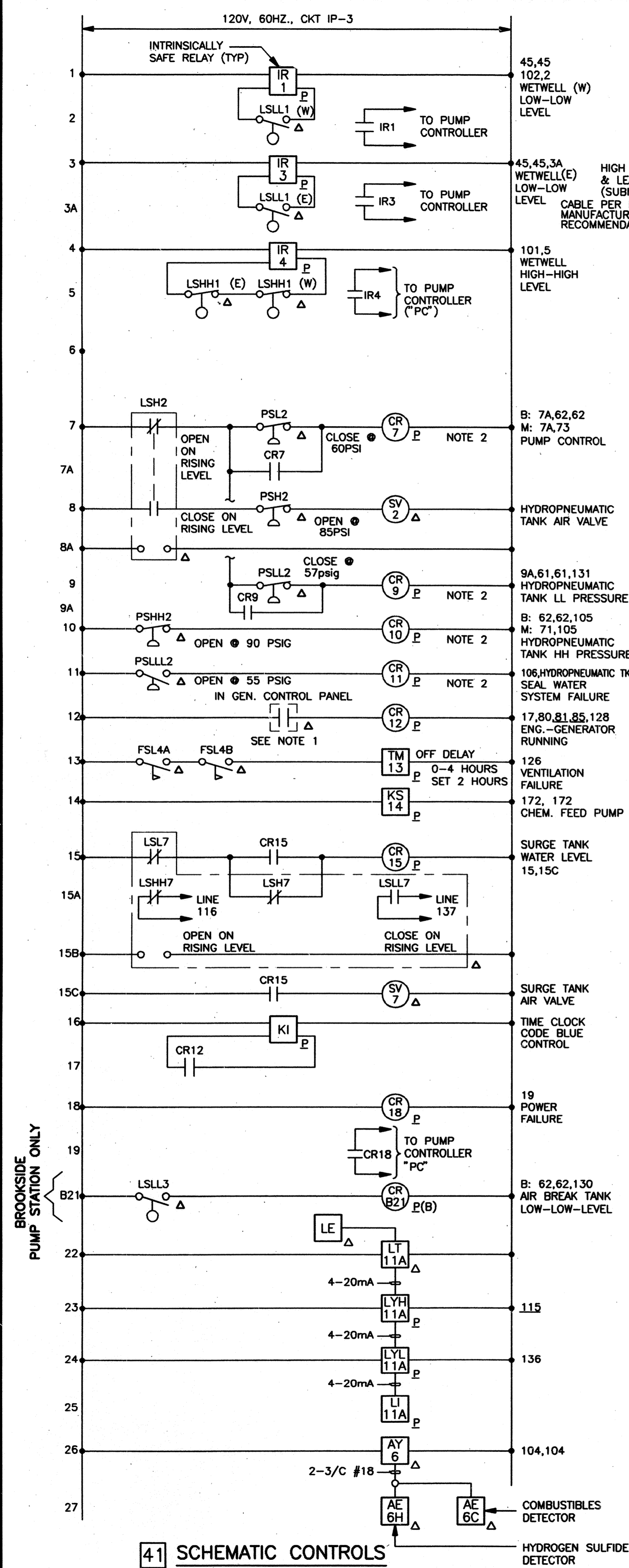
PROJECT ENGINEER: [Signature]

PARTNER: [Signature]



DWG LAST EDITED BY: LML USER LOGIN TIME: APRIL 1, 1997 6:17 AM
 DWG LAST EDITED ON: 04/01/97 07:43:28
 DWG NAME: C:\STOCKTON\33850\01\WESTSIDE.DWG
 XREFS: BRN | CHP | WAB | BEH |

4006.88ca



NOTE:

1. PROVIDE NAME PLATE ON GENERATOR CONTROL PANEL TO READ "WARNING THIS PANEL CONTAINS MULTIPLE POWER SOURCES".
2. PROVIDE INTRINSICALLY SAFE RELAYS FOR BROOKSIDE P.S.
3. PROVIDE ONLY IF ALTERNATE IA IS SELECTED.
4. IR1 FOR PUMPS 1 & 2; IR3 FOR PUMPS 3 & 4.

DWG LAST EDITED BY: LHM USER LOGIN TIME: JULY 7, 1997 7:23 AM DWG LAST EDITED ON: 07/09/97 11:42:39
 DWG NAME: C:\STOCKTON\SS55010\WESTR\48-55-001.dwg | SHEET 19 OF 19

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

ELECTRICAL SCHEMATIC DIAGRAMS

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: NONE APPROVED BY: DATE: 8/2/97 DRAWING NO. E-4

DESIGNED: OT/PK SHEET NO. 90 of 100

DRAWN: WB

CHECKED: JA

RECORD DRAWING

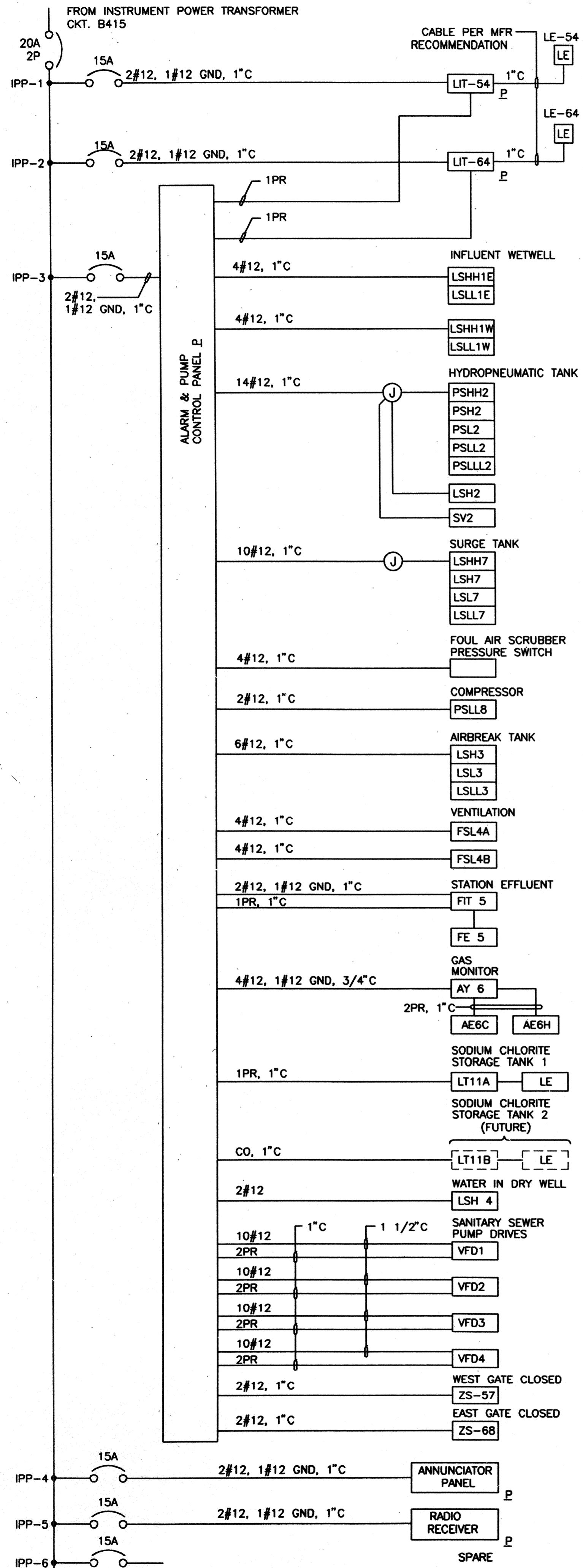
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
NO. E8757
EXP. 6/30/00

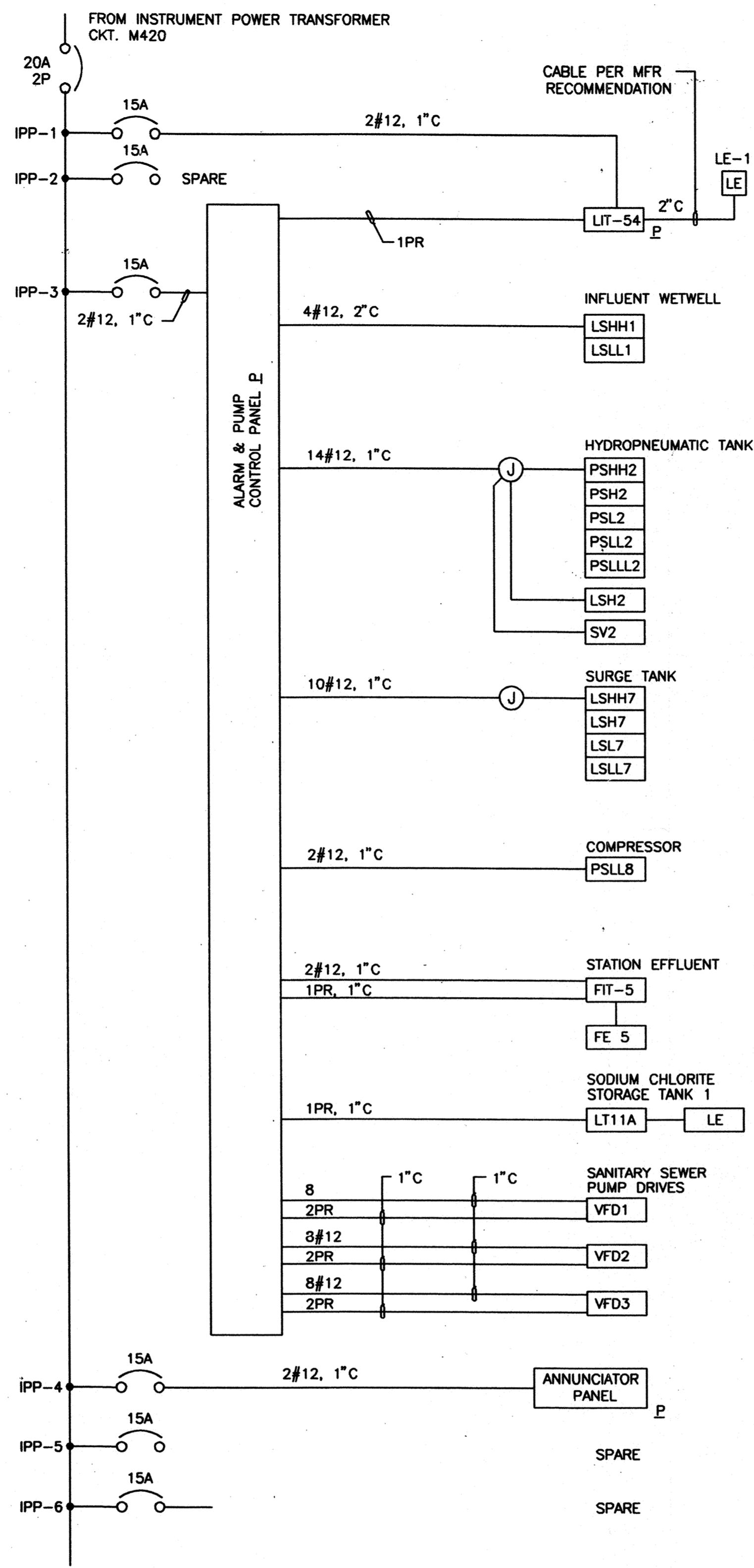
REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
NO. C50162
EXP. 6/30/01

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
NO. C20240
EXP. 3/31/00

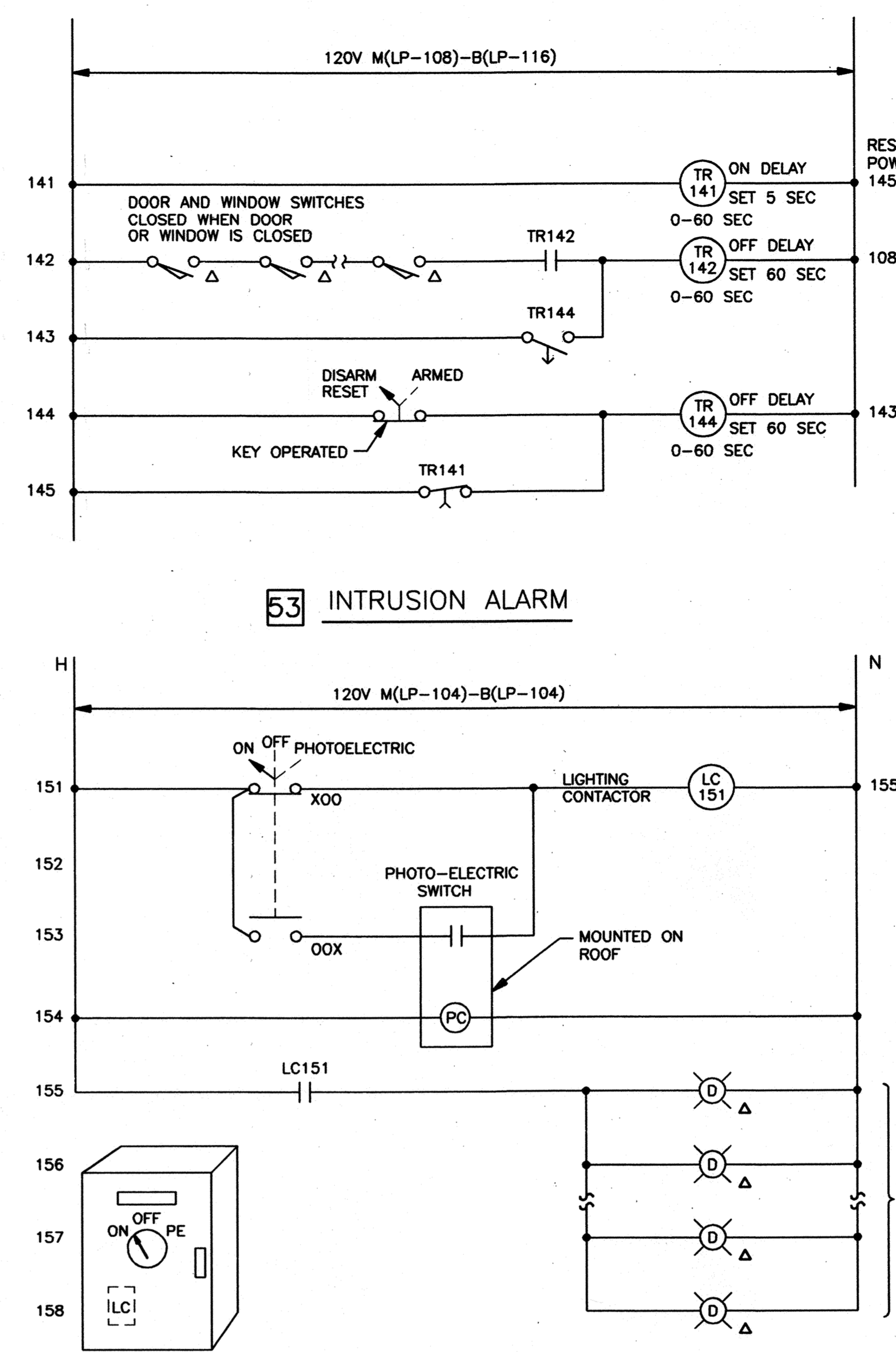
carollo engineers



51 BROOKSIDE INSTRUMENTATION PANEL "IPP"

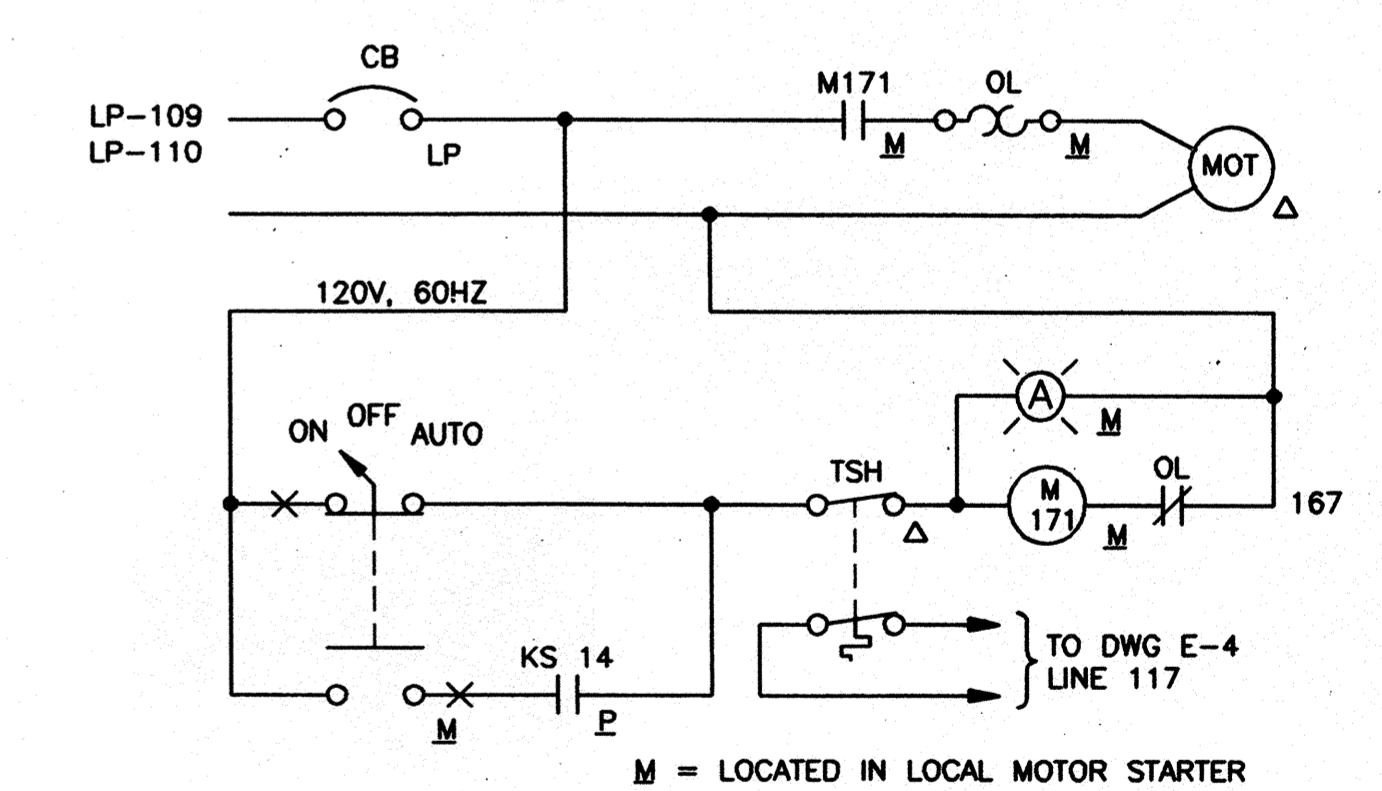
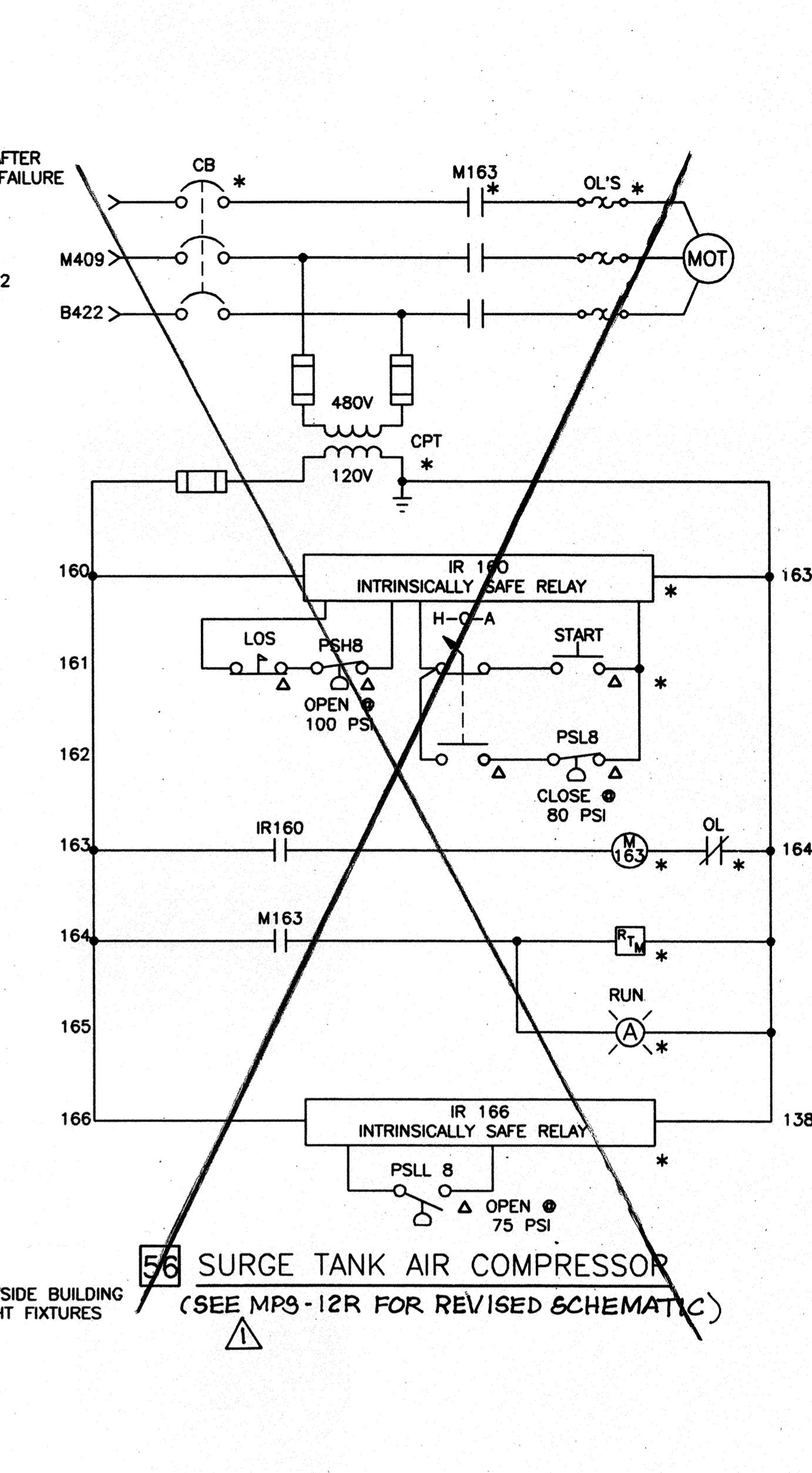


52 FOURTEENMILE INSTRUMENTATION PANEL "IPP"



54 LIGHTING CONTROL SCHEMATIC

55 DUPLEX SUMP PUMPS



57 CHEMICAL FEED PUMP

REV.	DATE	BY	DESCRIPTION
	1/2000	PG	RECORD DRAWING

DISCIPLINE ENGINEER

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. E8757
Exp. 6/30/00

PROJECT ENGINEER

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C50182
Exp. 6/30/01

PARTNER

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
STATE OF CALIFORNIA
No. C20240
Exp. 7/30/00

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

carollo engineers

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

ELECTRICAL SCHEMATIC DIAGRAMS

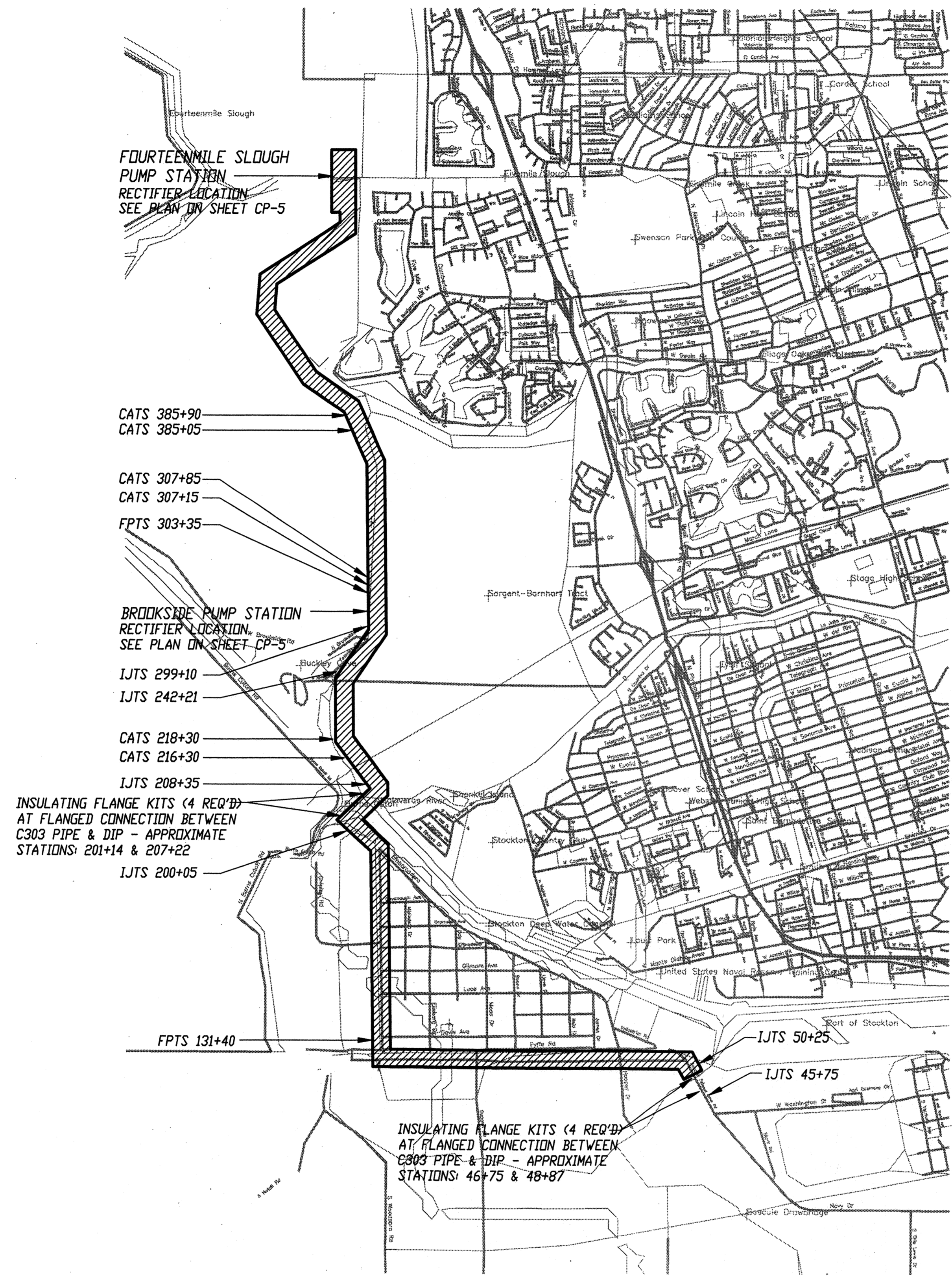
DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE: NONE
DESIGNED: PK/OT
DRAWN: WB
CHECKED: JA
AS BUILT BY: PG

APPROVED BY: DATE: 3/1/97
CITY ENGINEER
STOCKTON, CALIF.

DRAWING NO. E-5
SHEET NO. 91 OF 100
JOB NO. 33850.10

DWG LAST EDITED BY: ENAT USER LOGIN TIME: MAY 16, 1997 6:54 AM DWG LAST EDITED ON: 05/16/97 08:21:32
 DWG NAME: C:\STOCKTON\33850\1\INTERCEPTOR IMPROVEMENTS.DWG
 XREFS: 898 | CHG | 1 | 05/16/97



ANODE TEST STATION (ATS) SCHEDULE
ROUGH AND READY ISLAND

TEST STATION NUMBER	TEST STATION LOCATION	ANODE QUANTITY	TEST STATION PIPELINE DIAMETER SIZE
1A	45+75	7	36"
1B	45+75	7	36"
2A	50+25	7	36"
2B	50+25	7	36"
3	53+70	10	* 36" 30"
4	59+70	10	36" 30"
5	65+70	10	36" 30"
6	71+70	10	* 36" 30"
7	77+70	10	36" 30"
8	83+70	10	36" 30"
9	89+70	10	* 36" 30"
10	95+70	10	36" 30"
11	99+40	5	36" 30"
12	101+00	5	* 36" 30"
13	107+70	10	36" 30"
14	113+70	10	36" 36"
15	119+70	10	* 36" 36"
16	126+10	10	36" 36"
17	129+60	10	36" 36"
18	133+40	4	* 36" 36"
19	135+80	8	36" 36"
20	138+80	5	36" 36"
21	143+80	10	* 36" 36"
22	150+00	10	36" 36"
23	156+00	10	36" 36"
24	162+80	8	* 36" 36"
25	164+00	4	36" 36"
26	168+00	10	36" 36"
27	174+00	6	* 36" 36"
28	177+00	10	36" 36"
29	183+30	10	36" 36"
30	189+80	10	* 36" 36"
31	192+80	6	36" 36"
31	195+80	10	36" 36"
32A	200+05	12	36"
32B	200+05	12	36"
33A	208+35	12	36"
33B	208+35	12	36"

* PERMANENT REFERENCE CELL LOCATIONS.

TEST STATION (CTS) SCHEDULE
NORTH OF ROUGH AND READY ISLAND

TEST STATION NUMBER	TEST STATION LOCATION	TEST STATION PIPELINE DIAMETER SIZE
34	212+00	42"
35	230+00	42"
36	240+00	42"
37	310+00	30"
38	320+00	30"
39	330+00	30"
40	340+00	30"
41	350+00	30"
42	360+00	30"
43	370+00	30"
44	380+00	30"
45	407+00	30"
46	415+40	30"
47	436+00	30"

GENERAL NOTES:

- THE CATHODIC PROTECTION SYSTEM FOR THE SECTION OF PIPELINE CROSSING ROUGH AND READY ISLAND INCLUDING THE TWO RIVER CROSSINGS WILL CONSIST OF GALVANIC ANODES INSTALLED ALONG THE PIPELINE AS SPECIFIED IN THE TEST STATION SCHEDULE THIS SHEET. 60-POUND ANODES SHALL BE USED FOR THESE SECTIONS OF PIPELINE. NO ANODES SHALL BE INSTALLED WITHIN THE LIMITS OF THE LEVEE, HOWEVER.
- THE ANODES SHALL BE INSTALLED BENEATH THE PIPELINE MAINTAINING A 2-FOOT MINIMUM CLEARANCE BETWEEN THE BOTTOM OF THE PIPE AND THE TOP OF THE ANODE AS SHOWN IN THE DRAWINGS.
- ARC WELDING IS NOT ALLOWED ON ROUGH AND READY ISLAND, THEREFORE ALL JOINT BONDING AND ATTACHMENT OF TEST CABLES WILL BE ACCOMPLISHED USING THE EXOTHERMIC WELDING PROCESS.
- THE CATHODIC PROTECTION FOR THE FORCE MAIN LOCATED NORTH OF ROUGH AND READY ISLAND WILL CONSIST OF TWO IMPRESSED CURRENT SYSTEMS. ONE SYSTEM SHALL BE INSTALLED AT THE FOURTEENMILE PUMP STATION AND THE OTHER AT BROOKSIDE PUMP STATION. EACH SYSTEM WILL CONSIST OF A PAD MOUNTED, AIR-COOLED RECTIFIER AND AN ASSOCIATED DEEP ANODE BED CONSISTING OF HIGH SILICON CAST IRON ANODES. THE SIZE AND RATING OF EACH SYSTEM SHALL BE AS INDICATED IN THE TABLE ON SHEET CP-6.
- JOINT BONDING FOR MORTAR COATED STEEL PIPE AND CONCRETE CYLINDER PIPE OPTIONS LOCATED NORTH OF ROUGH AND READY ISLAND SHALL BE ACCOMPLISHED USING ARC WELDING AS SHOWN IN THE DETAILS. ALL DUCTILE IRON PIPE ON THE ENTIRE PROJECT SHALL BE BONDED USING EXOTHERMIC WELDING.
- ALL TEST STATIONS ON ROUGH & READY ISLAND SHALL BE INSTALLED FLUSH WITH GRADE PER THE DETAILS. TEST STATIONS LOCATED IN UNIMPROVED AREAS NORTH OF ROUGH AND READY ISLAND SHALL BE INSTALLED ABOVE GRADE ON POSTS AS SHOWN IN THE DETAILS.
- ALL PIPE JOINTS AND FITTINGS FOR ALL PIPE OPTIONS SHALL BE BONDED TO PROVIDE ELECTRICAL CONTINUITY OF THE ENTIRE FORCE MAIN. ALL IN-LINE MECHANICAL JOINTS ON THE FORCE MAIN THAT ARE LOCATED IN VAULTS SHALL BE BONDED TO PROVIDE ELECTRICAL CONTINUITY EXCEPT FOR FLANGES THAT ARE SPECIFIED AS INSULATING FLANGES SHALL NOT BE BONDED. IN-LINE INSULATING FLANGES SHALL BE INSTALLED AT THE FLANGED CONNECTIONS BETWEEN C303 PIPE AND DIP AT THE SAN JOAQUIN RIVER CROSSING AT STATIONS 46+75 & 48+87 AND AT THE STOCKTON DEEP WATER CHANNEL CROSSING AT STATIONS 201+14 & 207+22.
- INSULATING JOINT TEST STATIONS (IJTS) ARE REQUIRED FOR THE INSULATING FLANGES AT THE TWO RIVER CROSSINGS. IJTS LOCATIONS ARE 47+75, 50+25, 200+05 & 208+35 RESPECTIVELY. NO.2 AWG/HMWPE CABLE SHALL BE RUN FROM THE INSULATING FLANGES TO THE RESPECTIVE IJTS VIA TRENCHING AT A MINIMUM DEPTH OF 30-INCHES. ALL CABLES SHALL BE PLACED IN APPROXIMATELY SIZED SCHEDULE 80 PVC CONDUIT. ALL IJTS'S ARE TO BE INSTALLED ABOVE GRADE PER DETAIL 2, SHEET CP-3. HOWEVER, THE HEIGHT ABOVE GRADE MAY BE VARIED TO SUIT FIELD CONDITIONS.
- INSULATING FLANGES AND INSULATING JOINT TEST STATIONS (IJTS) ARE REQUIRED AT STA. 242+21 & 299+10 IF THE PIPE TYPE CHANGES FROM EITHER MORTAR COATED STEEL PIPE (AWWA C-200) OR CONCRETE CYLINDER PIPE (AWWA C303) TO DUCTILE IRON PIPE. INSULATING FLANGES ARE NOT REQUIRED BETWEEN MORTAR COATED STEEL PIPE AND CONCRETE CYLINDER PIPE, AND IN THIS CASE CTS'S SHALL BE USED IN LIEU OF IJTS'S.
- IF PIPE FROM BROOKSIDE PUMP STATION IS C200 OR C303, INSTALL INSULATING FLANGE KITS INTO FLANGES LOCATED IN THE VALVE BOX LOCATED AT STATION 208+90. IF THIS PIPING IS DIP, INSTALL AN INSULATING FLANGE AND IJTS AT STATION 209+18.
- TWENTY (20) 60-LB. ANODES SHALL BE INSTALLED AT EACH CATS (CASING TEST STATION) AT STA. 385+90 & 385+05. TEN (10) 60-LB. ANODES SHALL BE INSTALLED AT CATS STA. 307+15 & 307+85. ANODES SHALL BE INSTALLED EITHER VERTICALLY OR HORIZONTALLY AT THE CASING DEPTH.
- FOR CATS REQUIRING TEN (10) OR MORE ANODES, AN ANODE JUNCTION BOX SHALL BE SUBSTITUTED FOR THE "TESTOX" TERMINAL BOX TO PROVIDE ROOM FOR THE ANODE LEADS, SEE DETAIL 5/CP-6. "TESTOX" TERMINAL BOXES TO BE UTILIZED ON CATS REQUIRING ONLY ONE (1) ANODE AT STA. 216+30 & 218+30.

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
CATHODIC PROTECTION SYSTEM LOCATION PLAN AND NOTES		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i> DATE: 5/12/97	DRAWING NO. CP-1
DESIGNED: JDH		SHEET NO. 92 OF 100
DRAWN: WDC		
CHECKED: KAP		
AS BUILT BY: PG	CITY ENGINEER STOCKTON, CALIF.	JOB NO. 33850.10

JDH CORROSION CONSULTANTS INCORPORATED

96016

REV.	DATE	BY	DESCRIPTION
1	5/12/97	JDH	REVISED RIVER CROSSING

DISCIPLINE ENGINEER

REGISTERED PROFESSIONAL ENGINEER
CORROSION
STATE OF CALIFORNIA

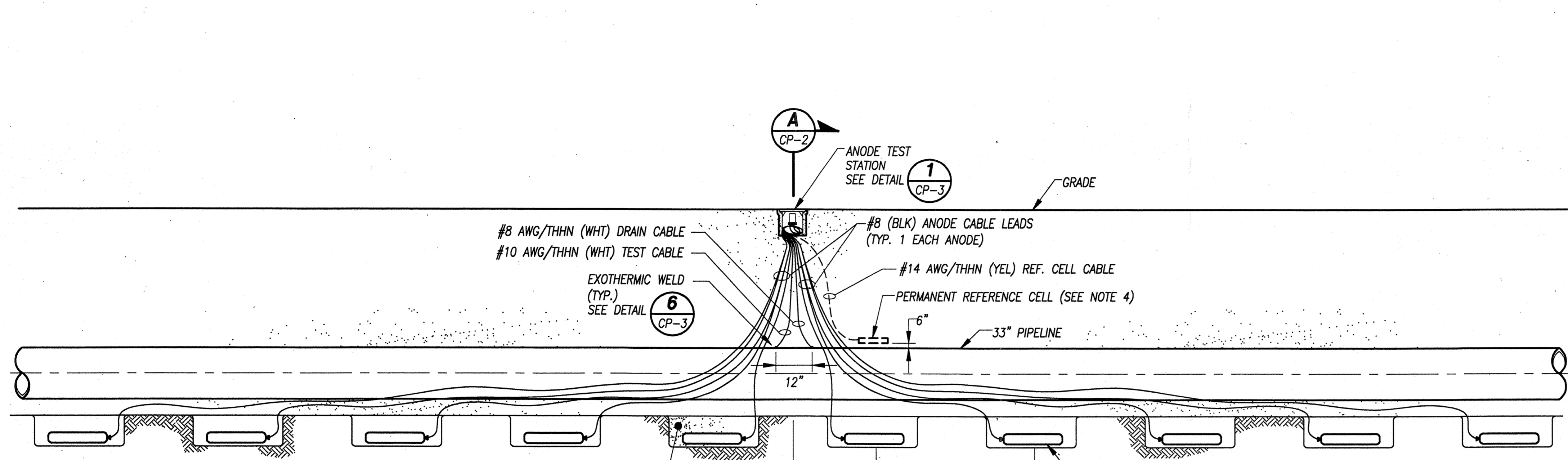
PROJECT ENGINEER

REGISTERED PROFESSIONAL ENGINEER
E. HARRINGTON
No. C50182
Exp. June 30, 1997
CORROSION
STATE OF CALIFORNIA

PARTNER

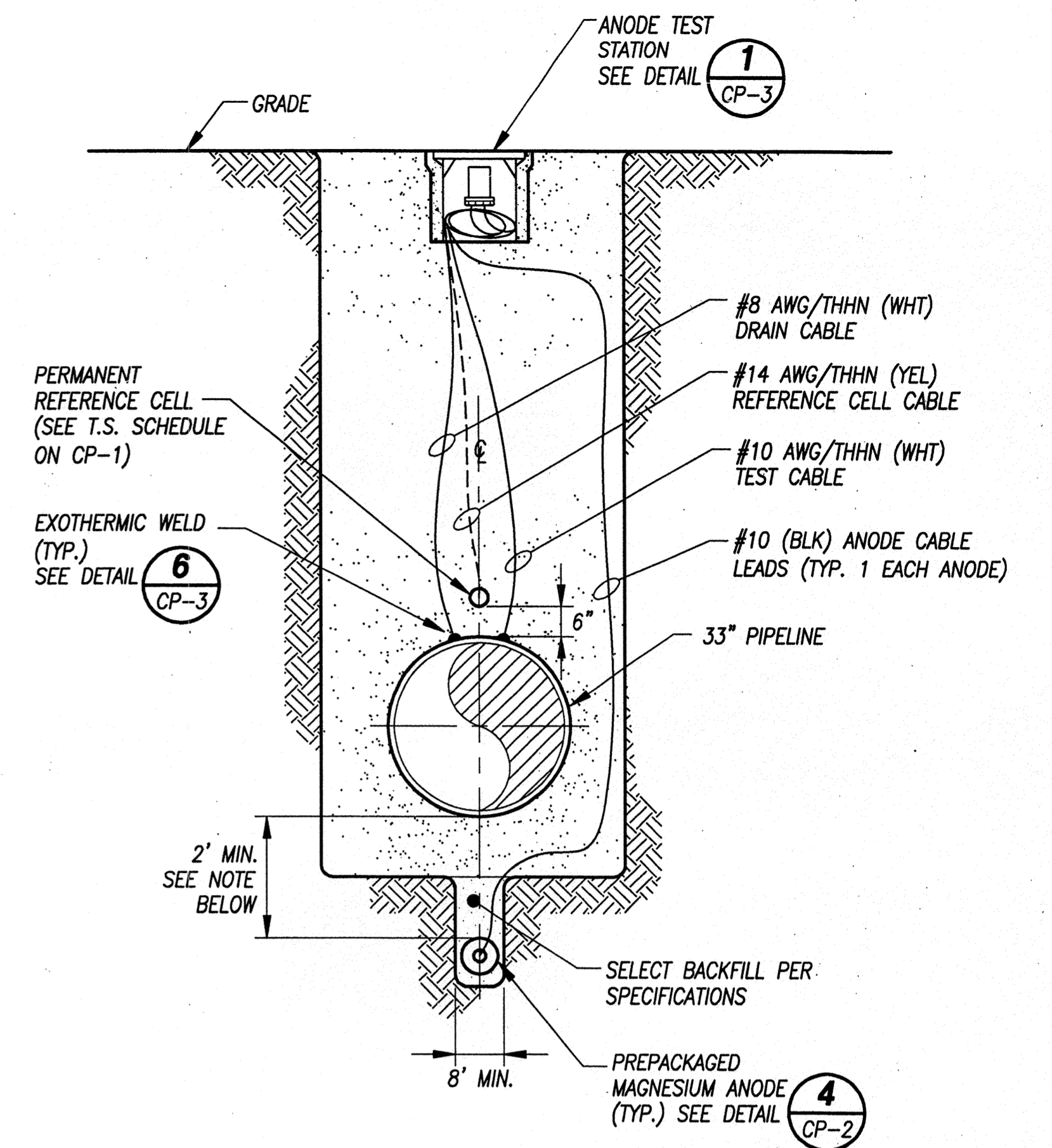
REGISTERED PROFESSIONAL ENGINEER
ANTHONY A. BISHOP
No. C20240
Exp. 5/31/97
CORROSION
STATE OF CALIFORNIA

carollo engineers



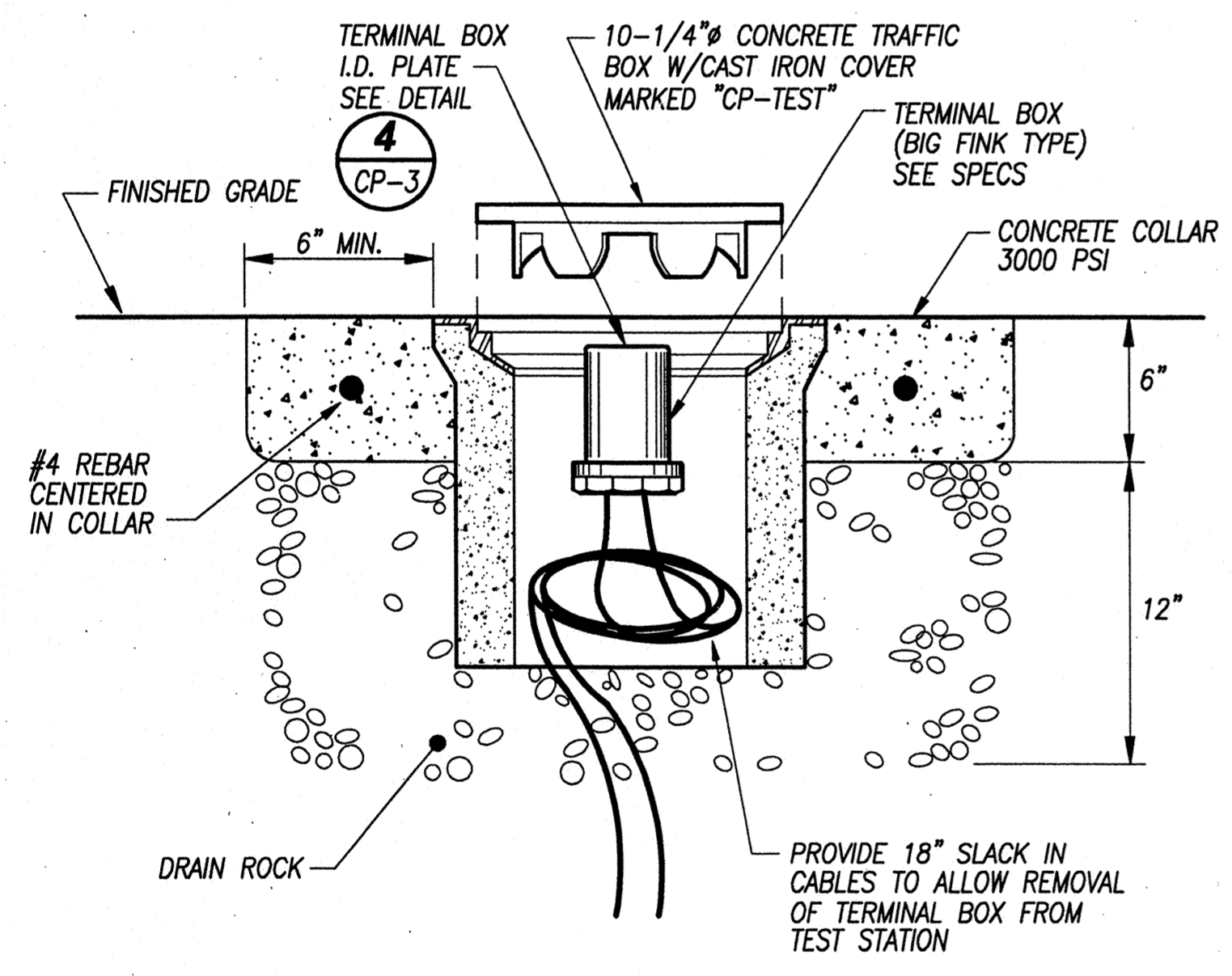
- NOTES:
1. ALL ANODE BEDS ARE TO BE INSTALLED IN THIS MANNER.
 2. SEE TEST STATION SCHEDULE ON CP-1 FOR THE NUMBER OF ANODES TO BE INSTALLED AT EACH LOCATION.
 3. ANODE SPACING MAY BE MODIFIED IN THE FIELD TO AVOID CONFLICTS WITH OTHER STRUCTURES WITH THE ENGINEERS APPROVAL.
 4. INSTALL PERMANENT REFERENCE CELL 6" ABOVE TOP OF PIPE AT LOCATIONS INDICATED IN THE TEST STATION SCHEDULE ON CP-1.

1 ELEVATION - TYPICAL ANODE BED INSTALLATION
CP-2 NOT TO SCALE



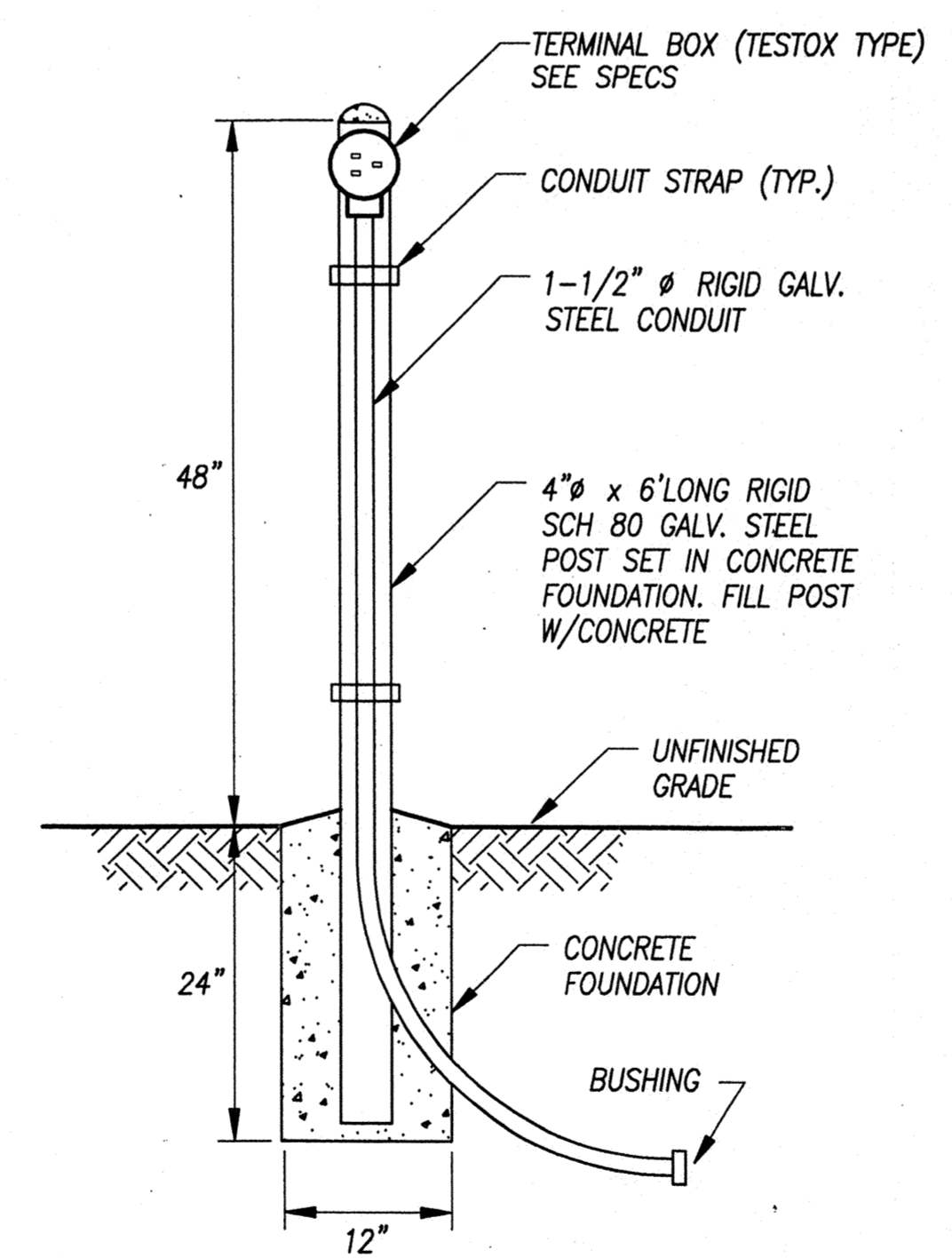
NOTE:
INSTALL TOP OF ANODE A MINIMUM OF 2'-FEET FROM BOTTOM OF PIPELINE.

A SECTION A-A - ANODE INSTALLATION
CP-2 NOT TO SCALE

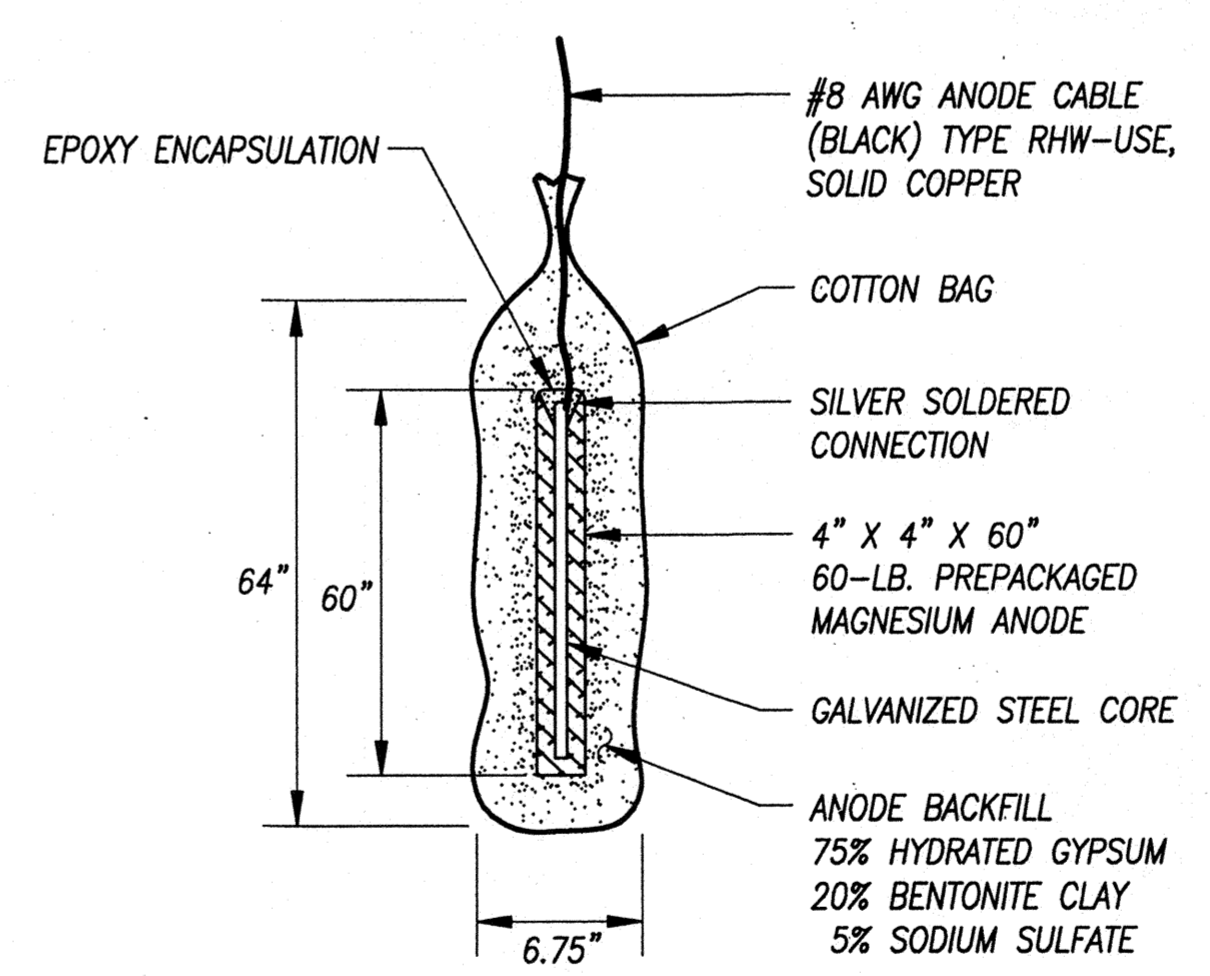


- NOTES:
1. FLUSH MOUNTED TEST STATIONS SHALL BE USED FOR ALL TEST STATIONS ON ROUGH & READY ISLAND AND AT ALL FINISHED GRADE LOCATIONS ELSEWHERE.
 2. POST MOUNTED TEST STATIONS REQUIRED IN UNFINISHED GRADE LOCATIONS NOT ON ROUGH & READY ISLAND. SEE DETAIL 3, THIS SHEET.

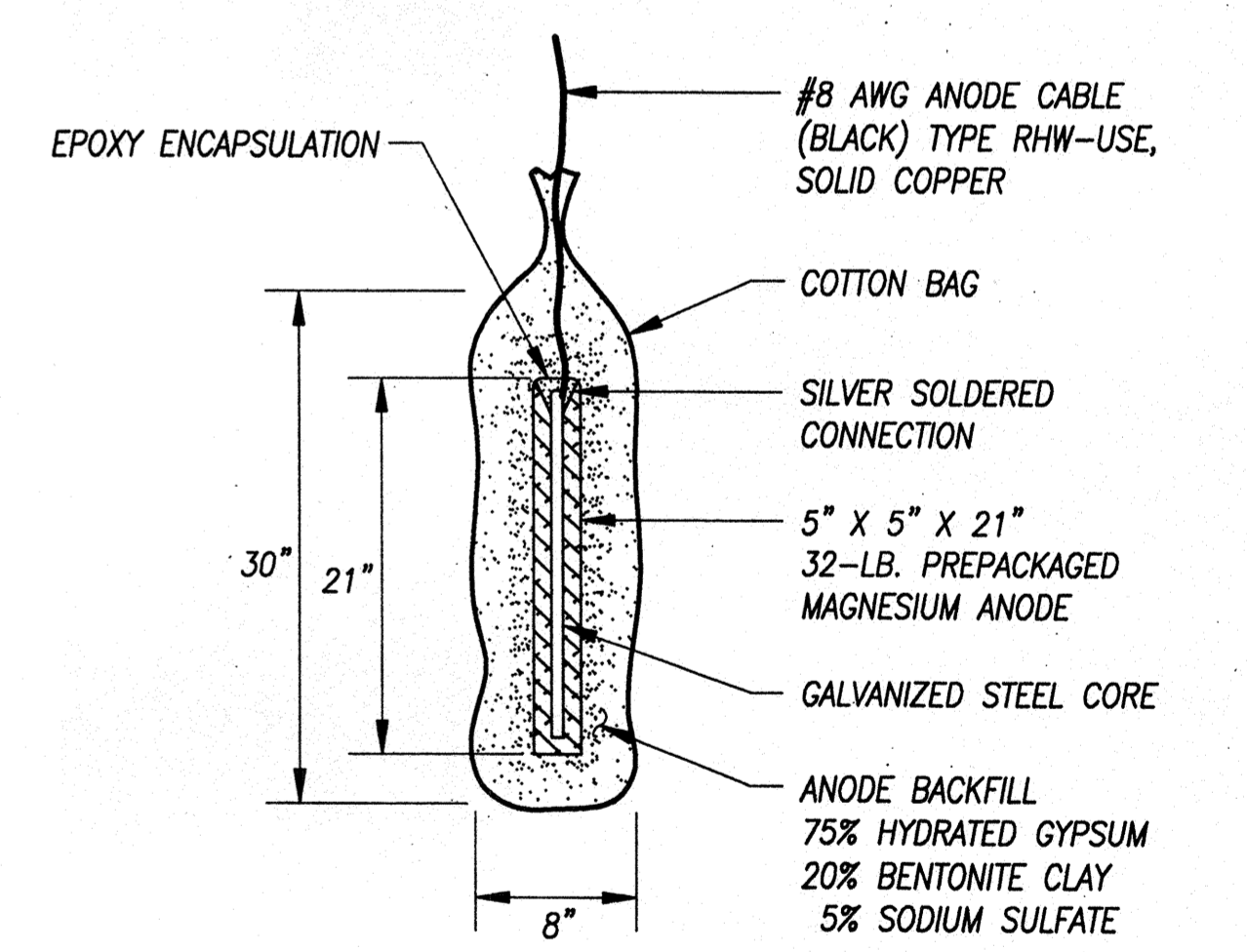
2 FLUSH MOUNTED TEST STATION CONCRETE BOX
CP-2 NOT TO SCALE



3 POST MOUNTED TEST STATION
CP-2 NOT TO SCALE



4 60-LB. PREPACKAGED MAGNESIUM ANODE
CP-2 NOT TO SCALE



NOTE:
FOR USE AT PUMP STATIONS. SEE PUMP STATION PLANS ON SHEET CP-5 FOR DETAILS.

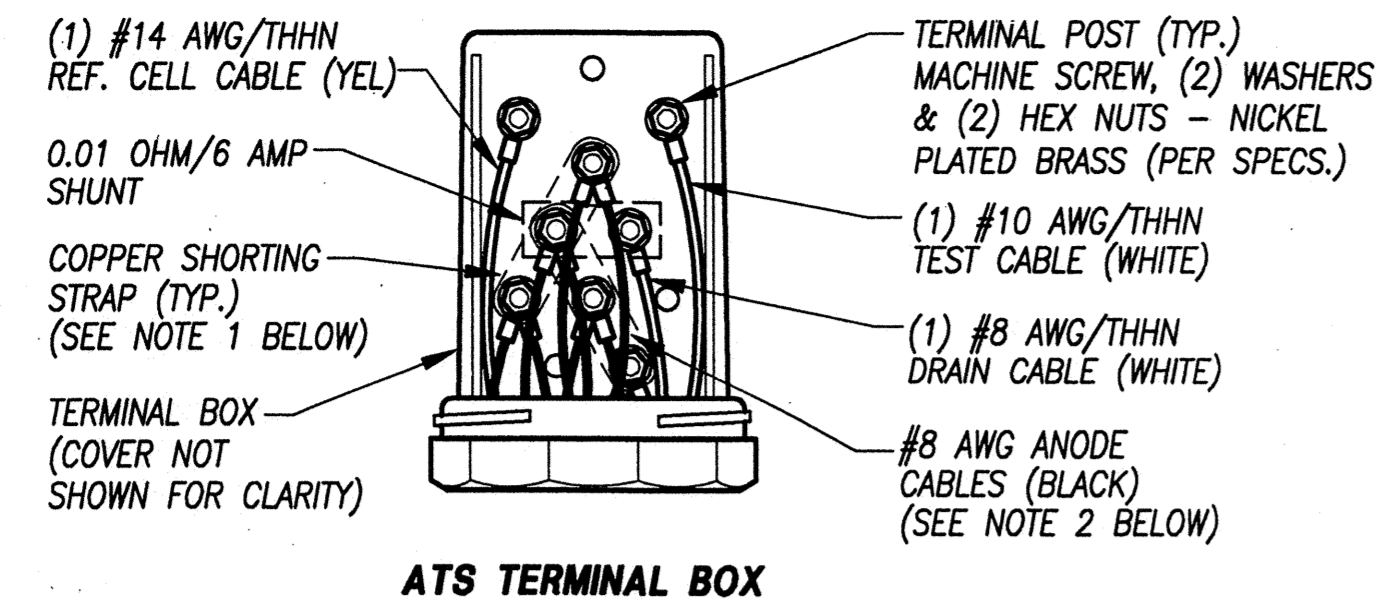
5 32-LB. PREPACKAGED MAGNESIUM ANODE
CP-2 NOT TO SCALE

RECORD DRAWING
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

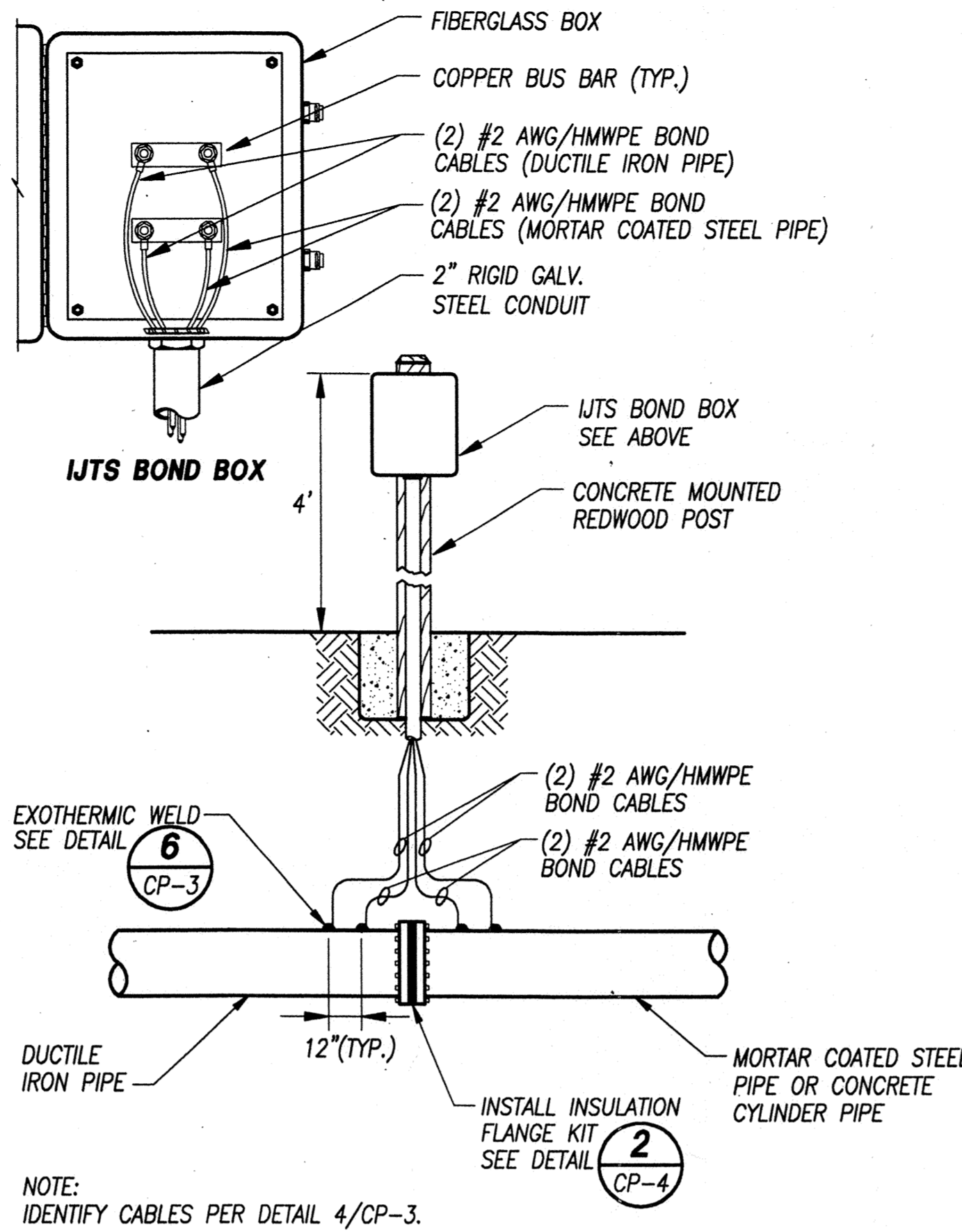
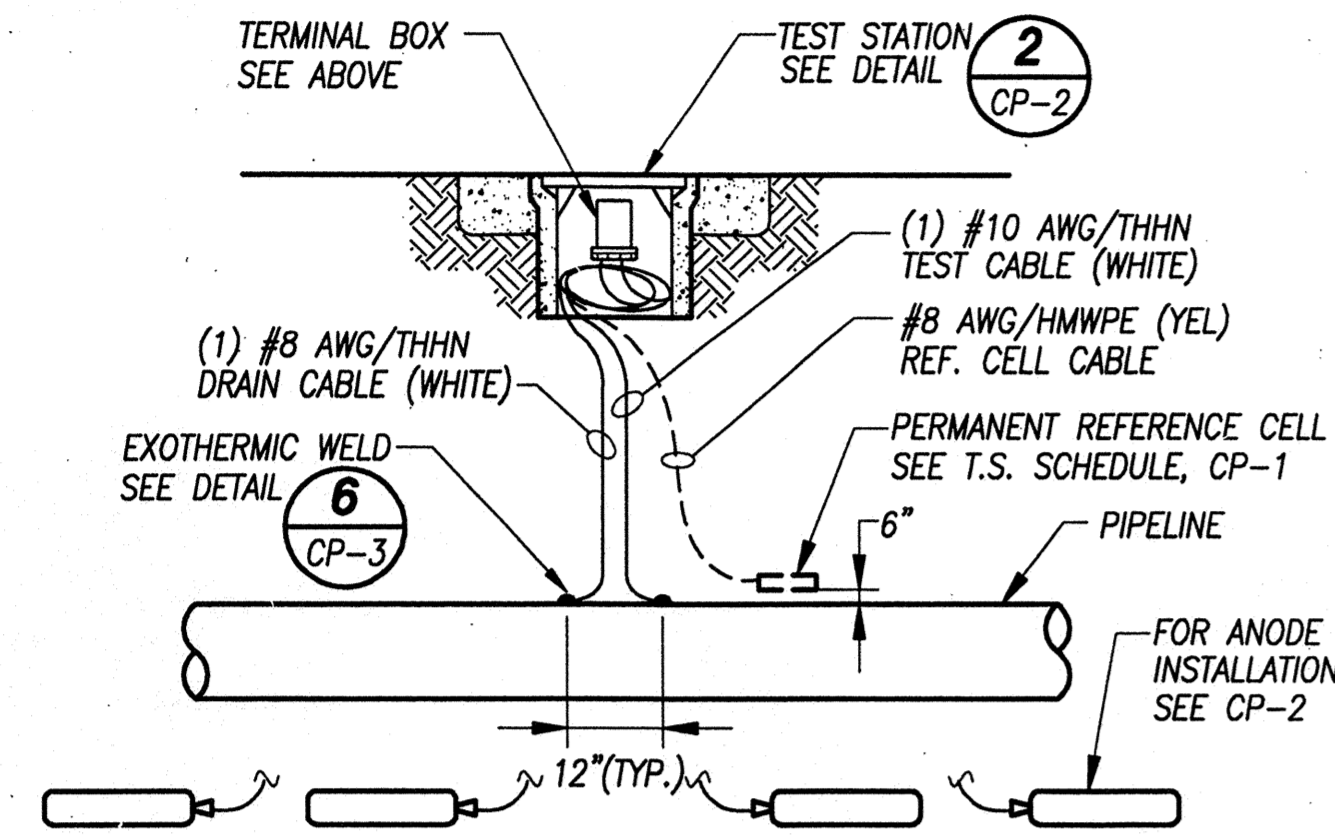
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CATHODIC PROTECTION SYSTEM DETAILS		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS SHOWN	APPROVED BY: <i>[Signature]</i>	DRAWING NO. CP-2
DESIGNED: JDH	DATE: <i>[Date]</i>	SHEET NO. 93 OF 100
DRAWN: WDC	<i>[Signature]</i> CITY ENGINEER STOCKTON, CALIF.	JOB NO. 3385D.10
CHECKED: KAP		AS BUILT BY: PG

	DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER	
96016	REV.	DATE	BY	DESCRIPTION
1/2000	PG			RECORD DRAWING

4006.92Ca

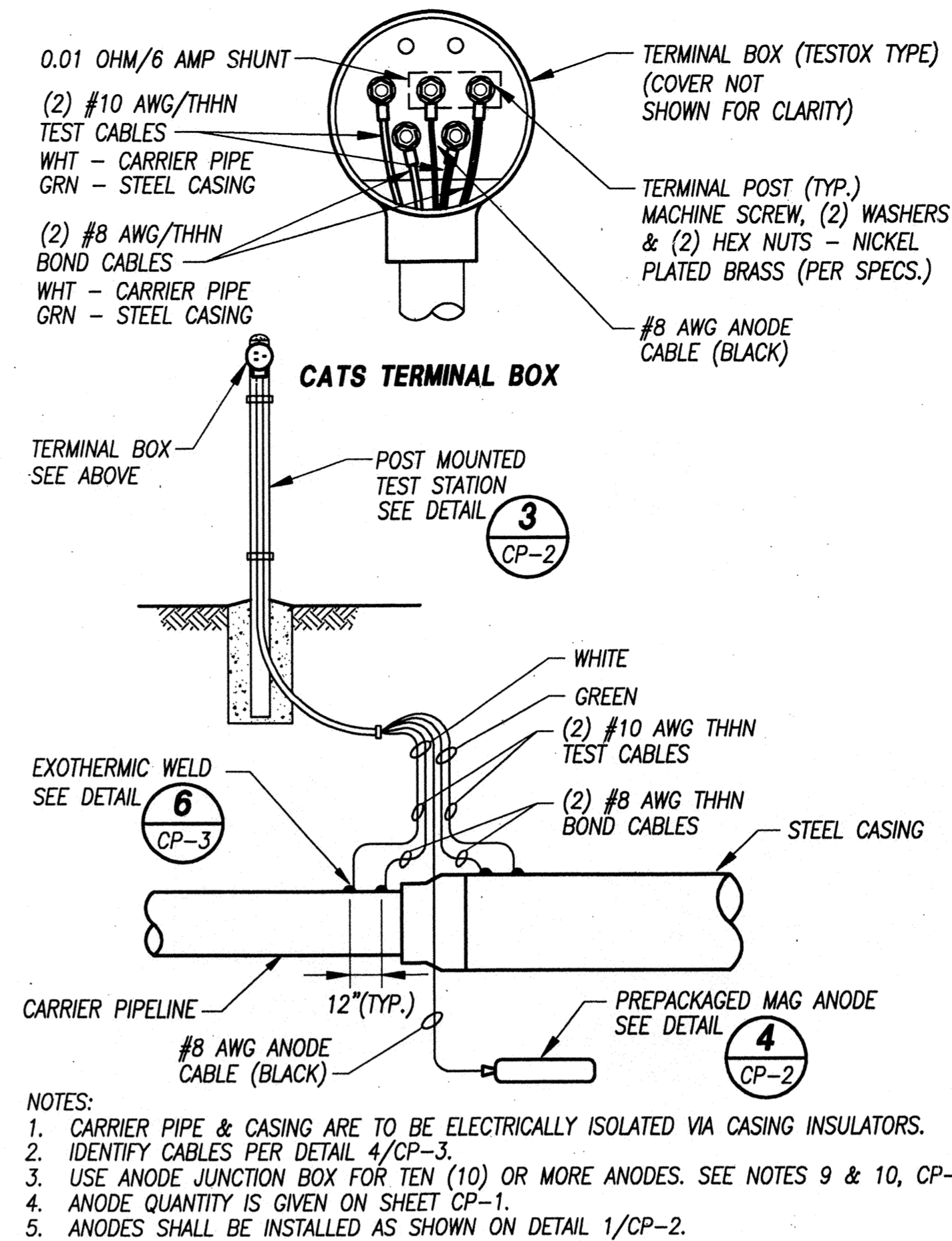


ATS TERMINAL BOX

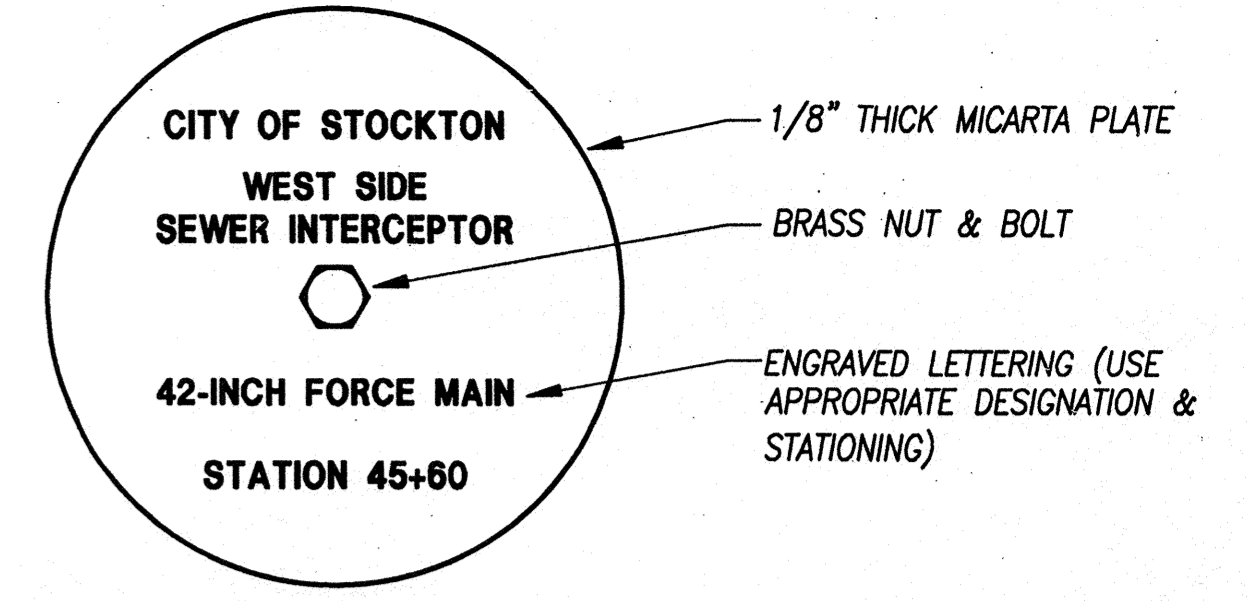


IJTS BOND BOX

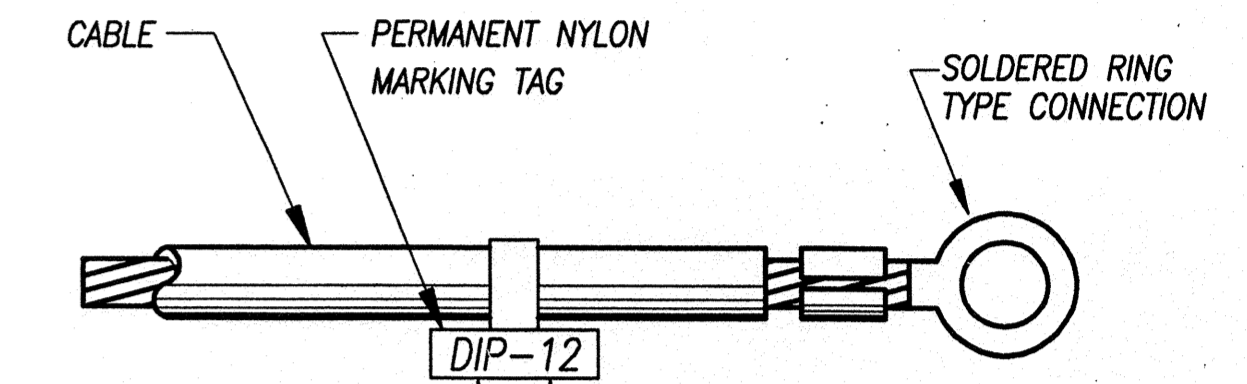
1 IJTS - INSULATING JOINT TEST STATION
CP-3 NOT TO SCALE



3 CATS - CASING ANODE TEST STATION
CP-3 NOT TO SCALE



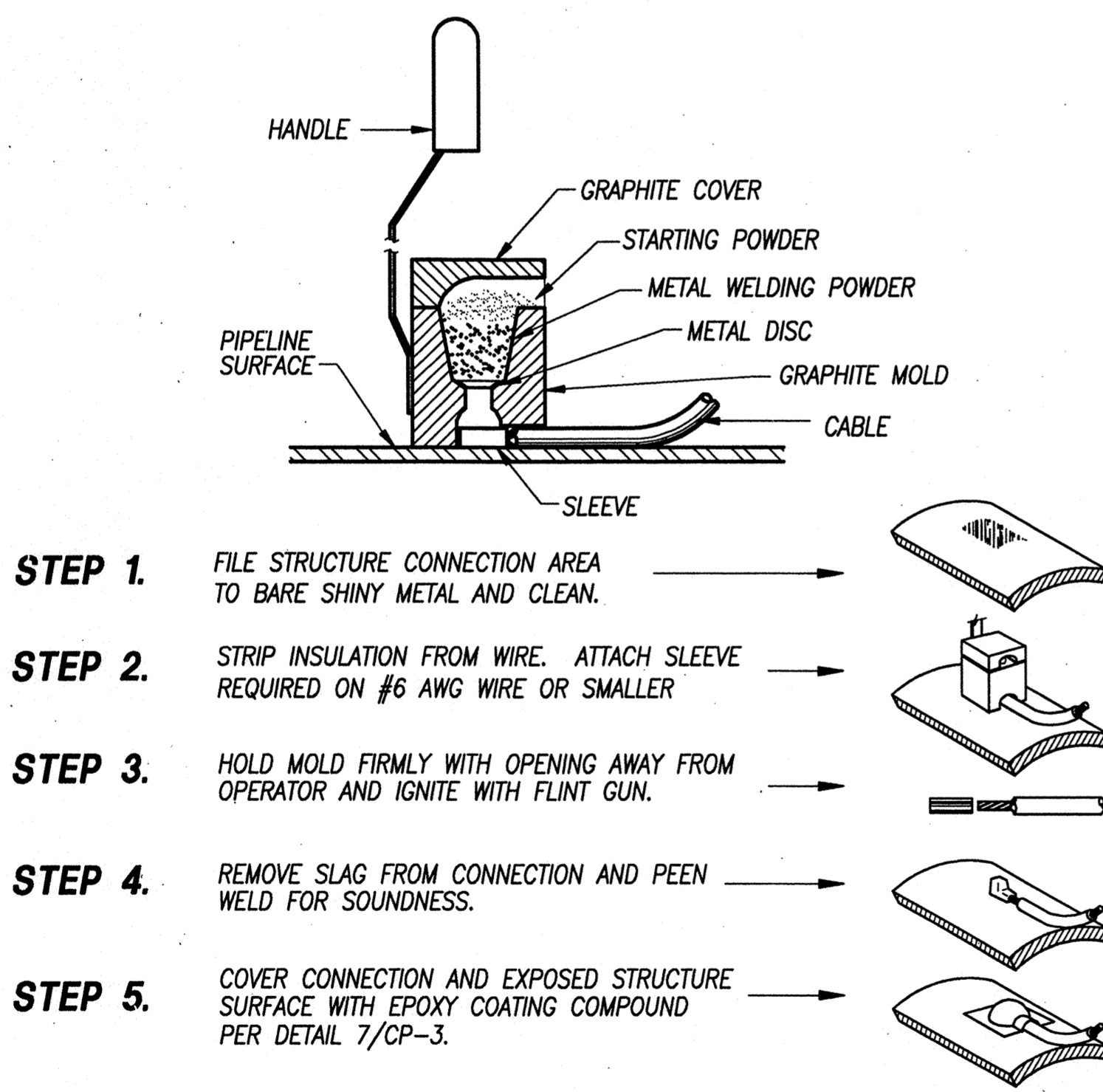
4 I.D. PLATE FOR TERMINAL BOXES
CP-3 NOT TO SCALE



ABBREVIATIONS	NUMBER
DIP - DUCTILE IRON	PIPE DIA. (INCHES) OR ANODE QUANTITY
MC - MORTAR COATED	
AN - ANODE	
CA - CASING	
RE - REFERENCE ELECTRODE	

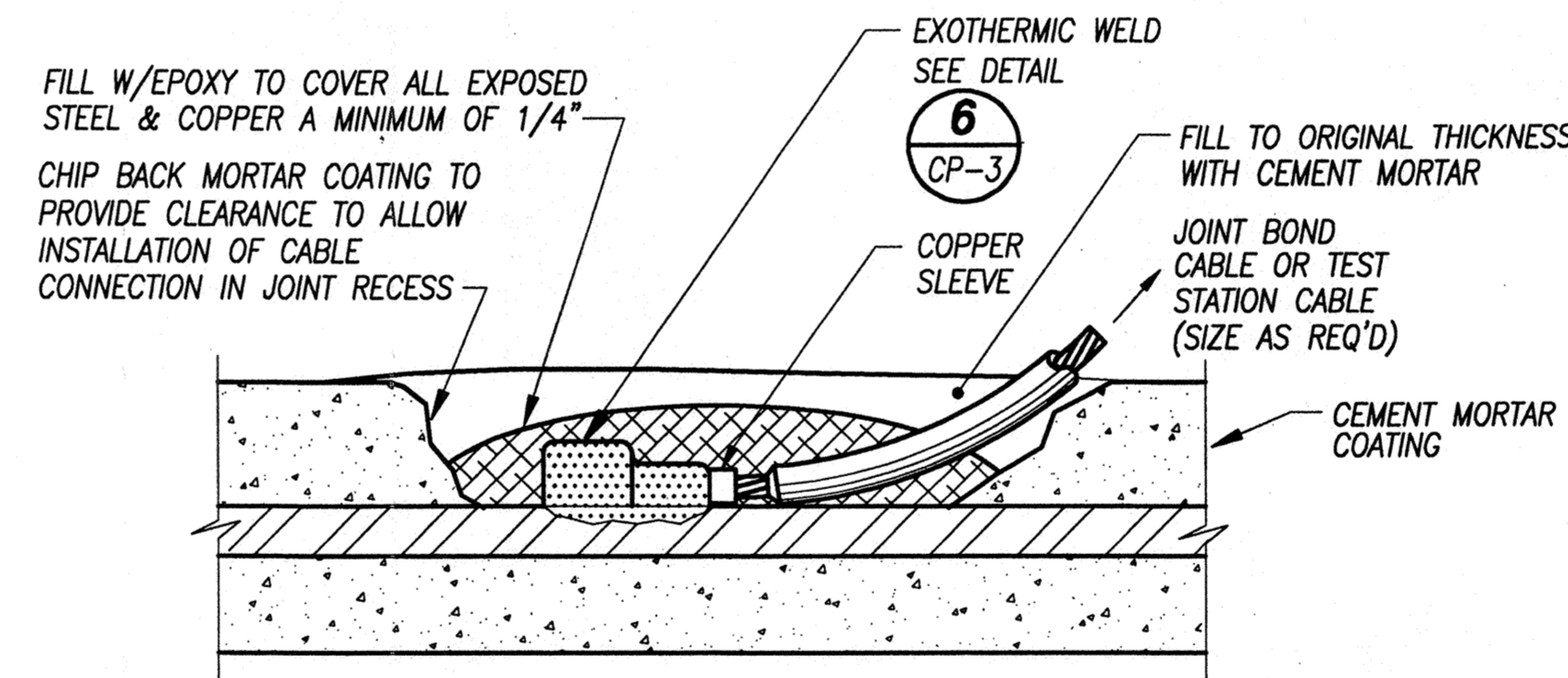
5 CABLE IDENTIFICATION
CP-3 NOT TO SCALE

1 ATS - ANODE TEST STATION
CP-3 NOT TO SCALE

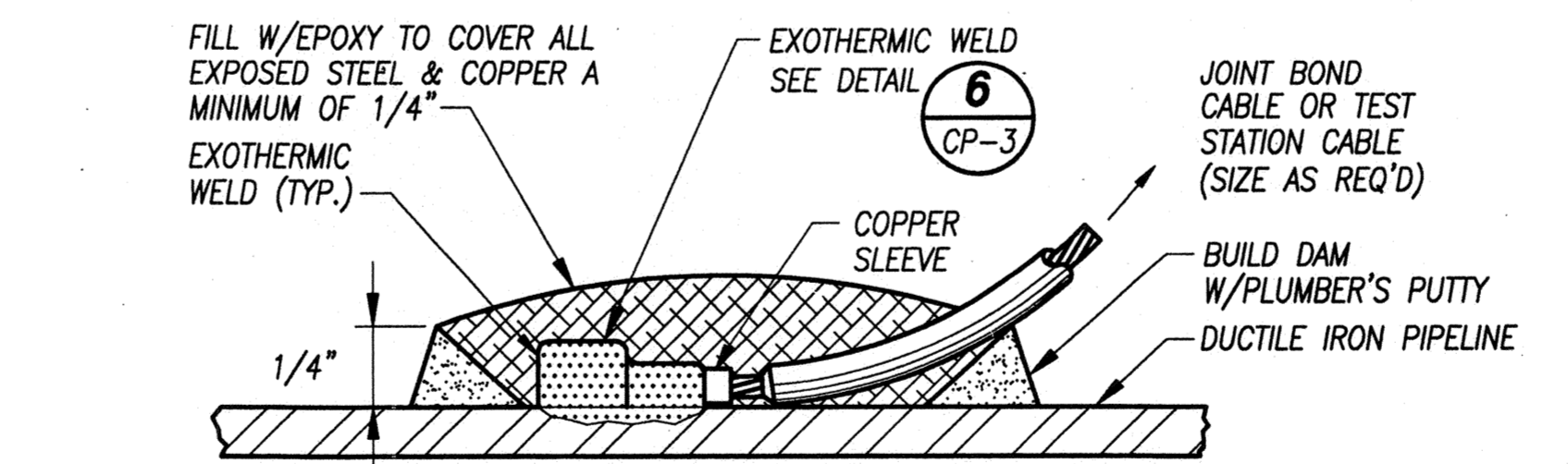


NOTE: PROCEDURE SHOWN ABOVE IS TO BE USED AS A GENERAL GUIDE ONLY. CONSULT MANUFACTURER'S LITERATURE FOR SPECIFIC INSTALLATION INSTRUCTIONS.

6 EXOTHERMIC WELD PROCEDURE
CP-3 NOT TO SCALE



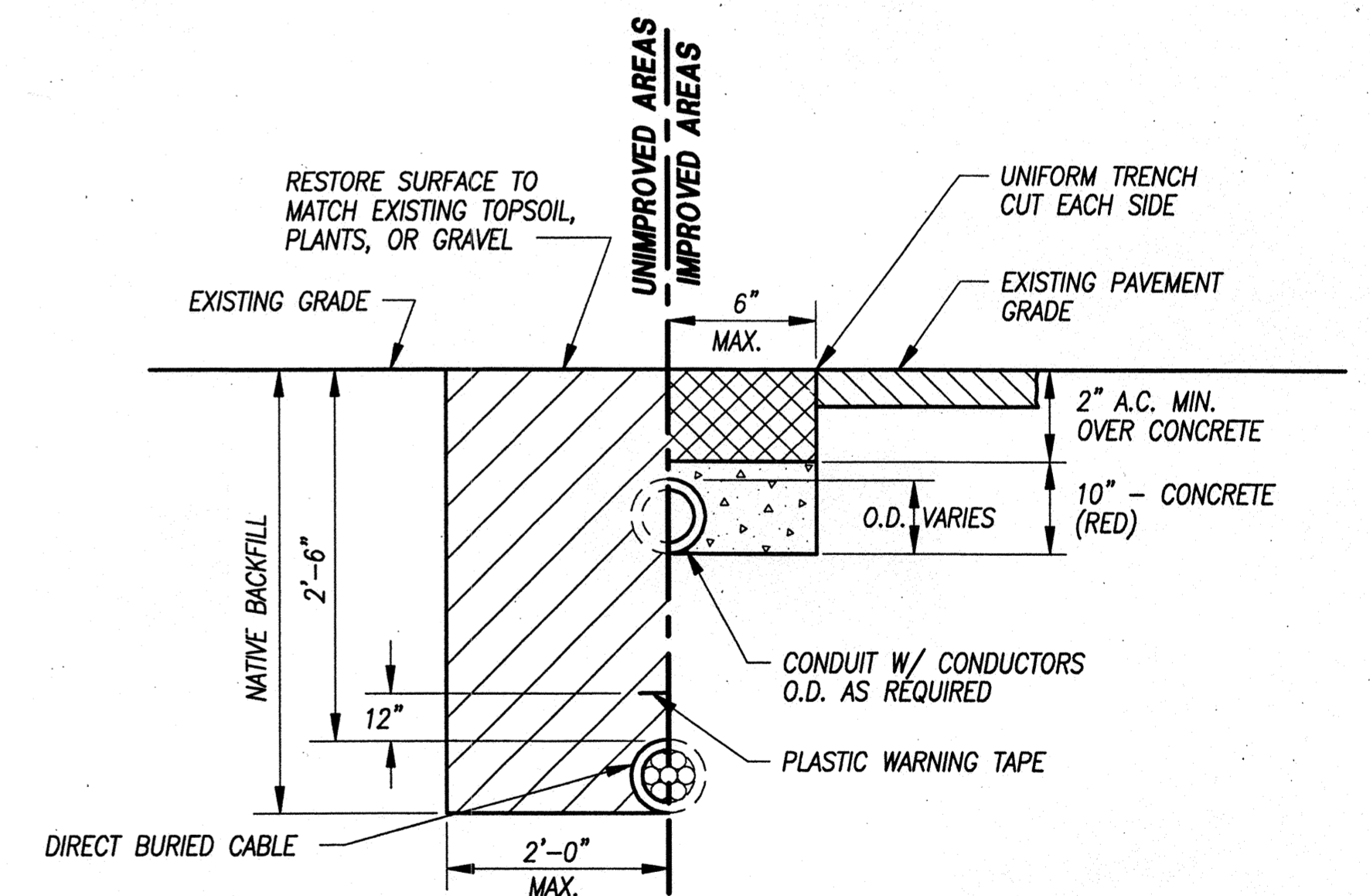
MORTAR COATED PIPE



DUCTILE IRON PIPE

NOTE: 1. FOR TYPE AWWA C-303 PIPE, CABLE-TO-PIPE CONNECTIONS SHALL BE MADE ON THE THICKENED STEEL PORTION OF THE STEEL CYLINDER AT PIPE JOINTS ONLY. 2. JOINT BONDING CABLE FOR ROUGH & READY ISLAND ONLY. 3. FOR JOINT BONDS ON PIPE NORTH OF ROUGH & READY ISLAND, USE WELDED CONNECTION PER DETAIL 3/CP-5.

7 CABLE TO PIPE CONNECTIONS
CP-3 NOT TO SCALE



8 TYPICAL TRENCH SECTION
CP-3 NOT TO SCALE

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

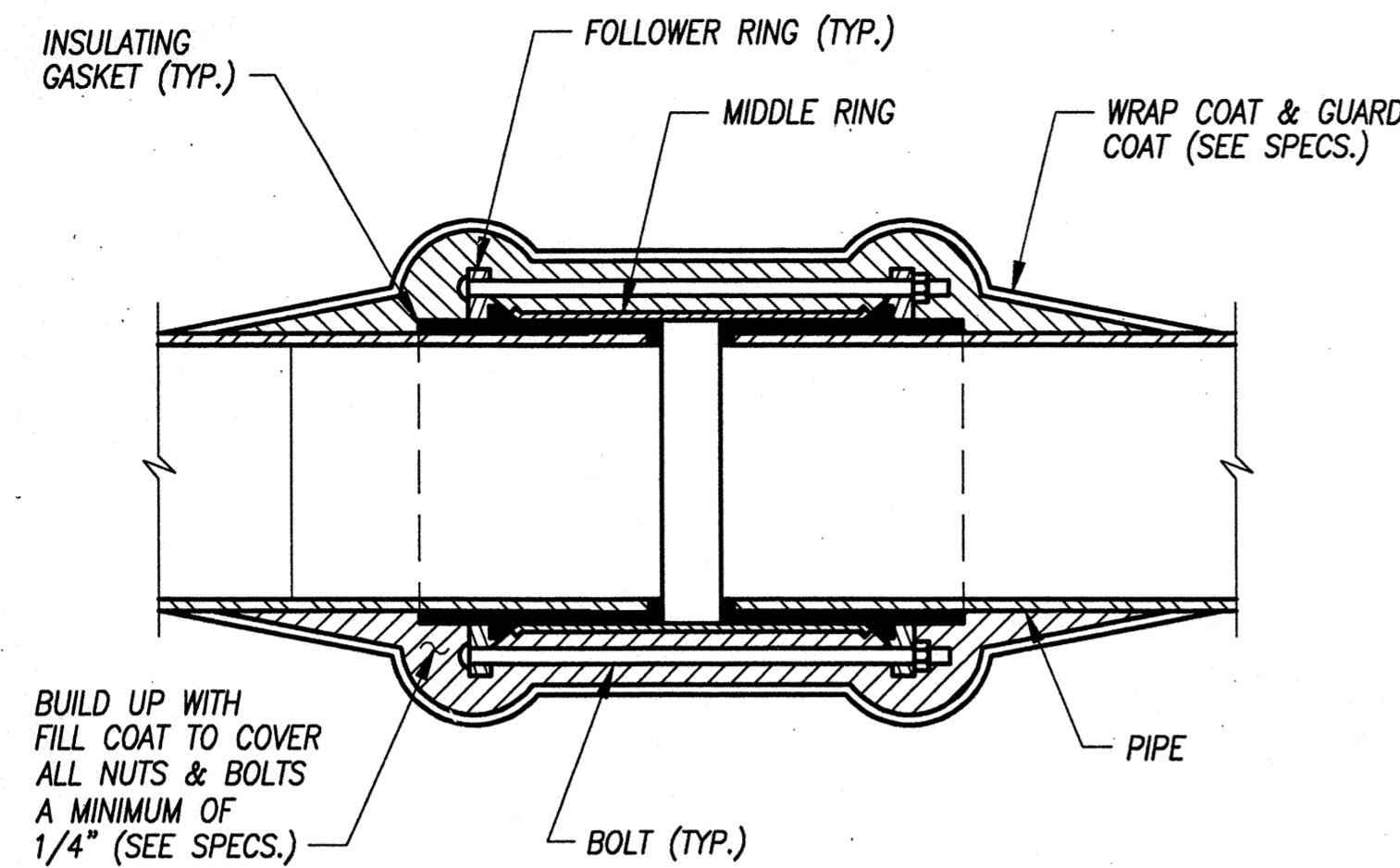
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CATHODIC PROTECTION SYSTEM DETAILS		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS SHOWN	APPROVED BY: RFW	DRAWING NO. CP-3
DESIGNED: JDH	DATE: 11/17	SHEET NO. 94 OF 100
DRAWN: WDC	CITY ENGINEER: Paul M. Sosa	JOB NO. 3385D.10
CHECKED: KAP	STOCKTON, CALIF.	
AS BUILT BY: PG		

JDH CORROSION CONSULTANTS INCORPORATED

96016 REV. DATE BY DESCRIPTION

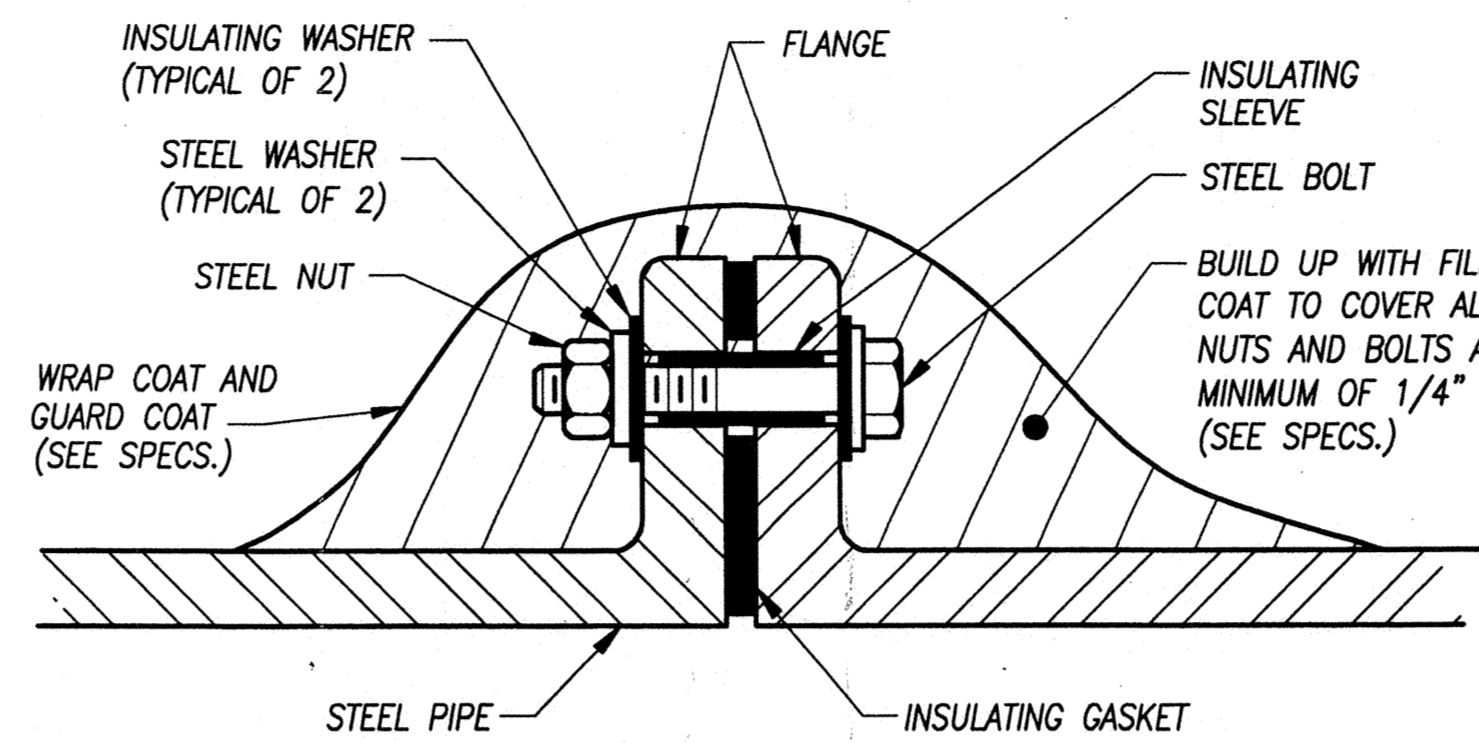
DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER

carollo engineers



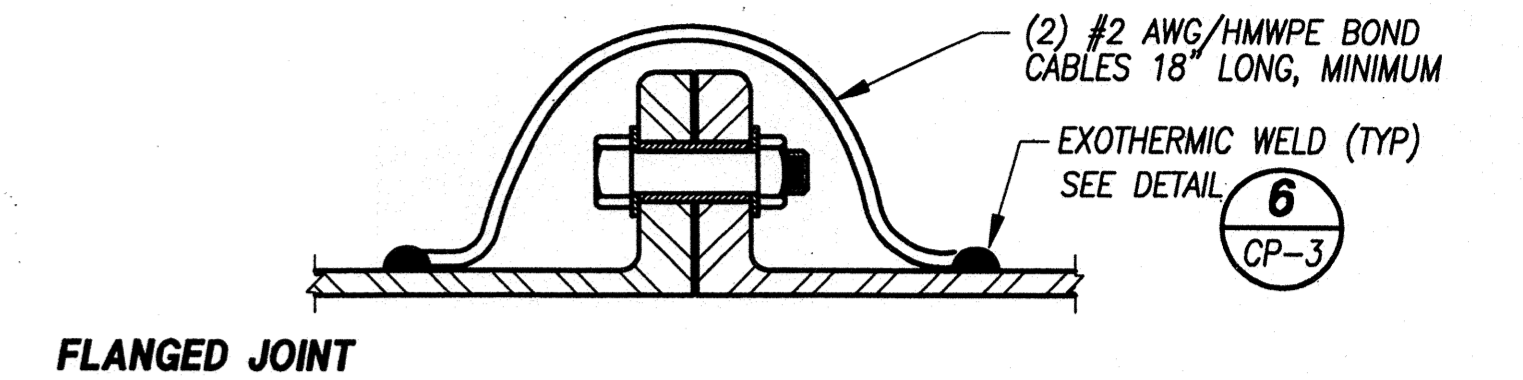
BELOW GRADE INSULATING JOINT COATING

1 INSULATING FLEXIBLE COUPLING
CP-4 NOT TO SCALE

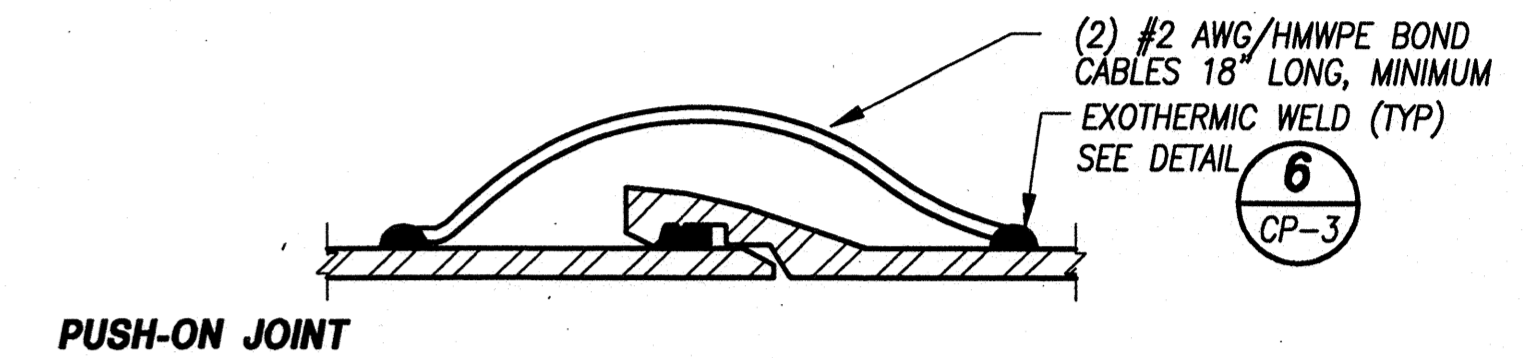


- NOTES:
 1. GASKET SHALL BE FOR WATER SERVICE AND BE OF SAME PRESSURE RATING AS THE FLANGE.
 2. DELETE COATING IF FLANGE IS LOCATED ABOVE GRADE OR IN VAULTS.
 3. DIELECTRIC UNION MAY BE USED ON SMALL DIAMETER LINES.

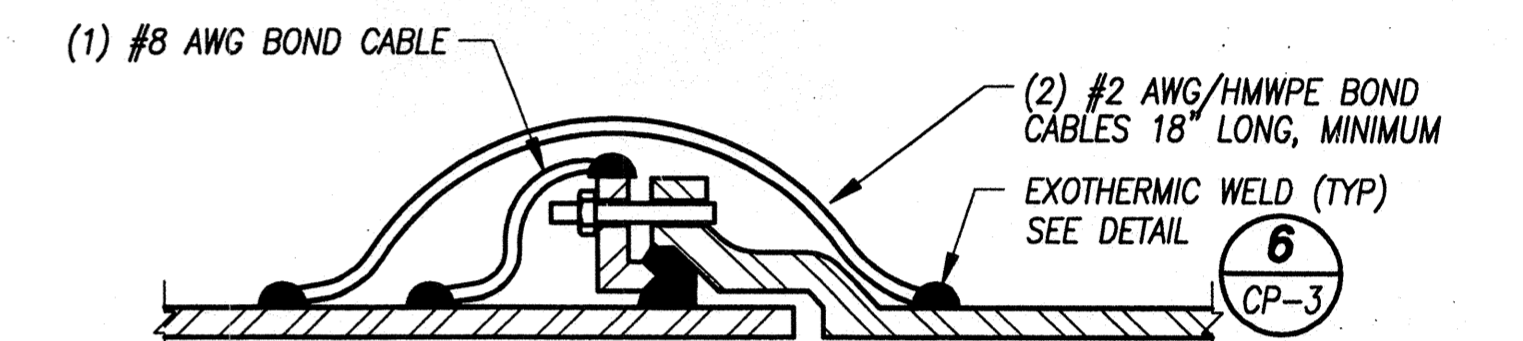
2 INSULATING FLANGE KIT - BELOW GRADE
CP-4 NOT TO SCALE



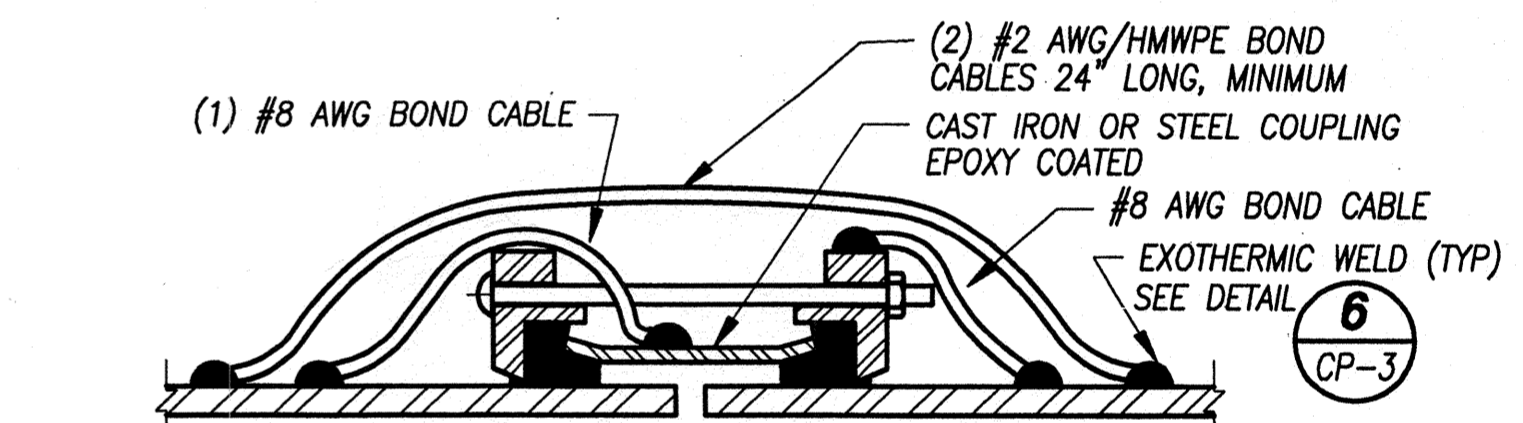
FLANGED JOINT



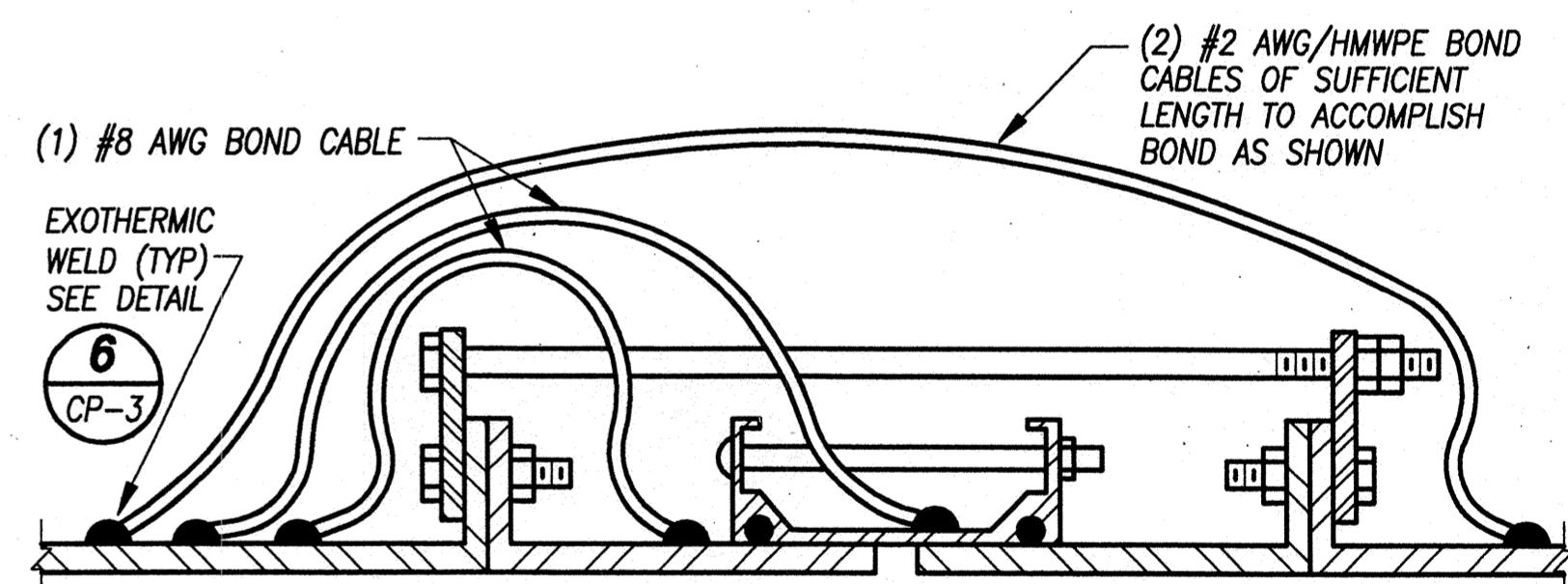
PUSH-ON JOINT



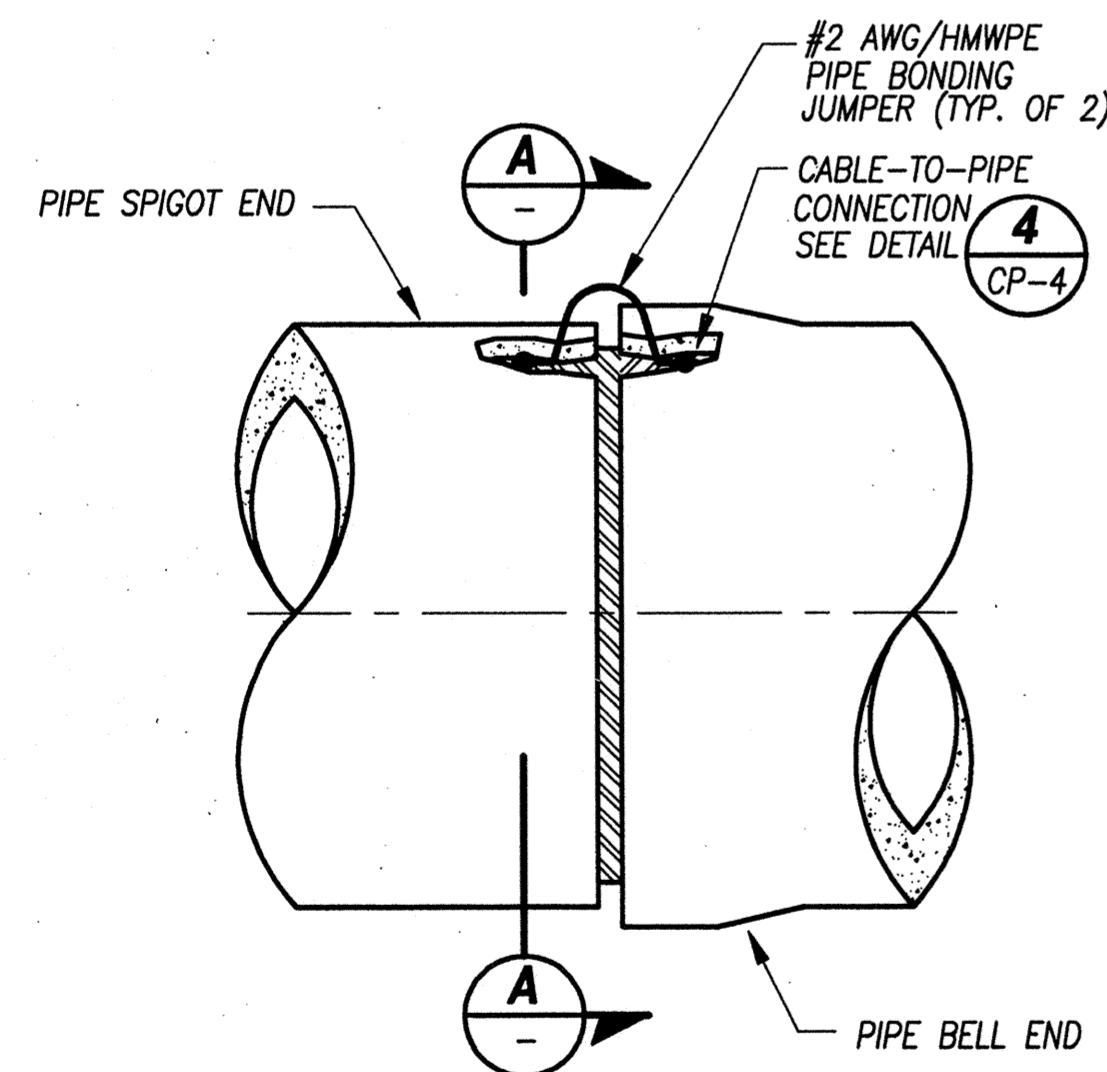
MECHANICAL JOINT



FLEXIBLE COUPLING

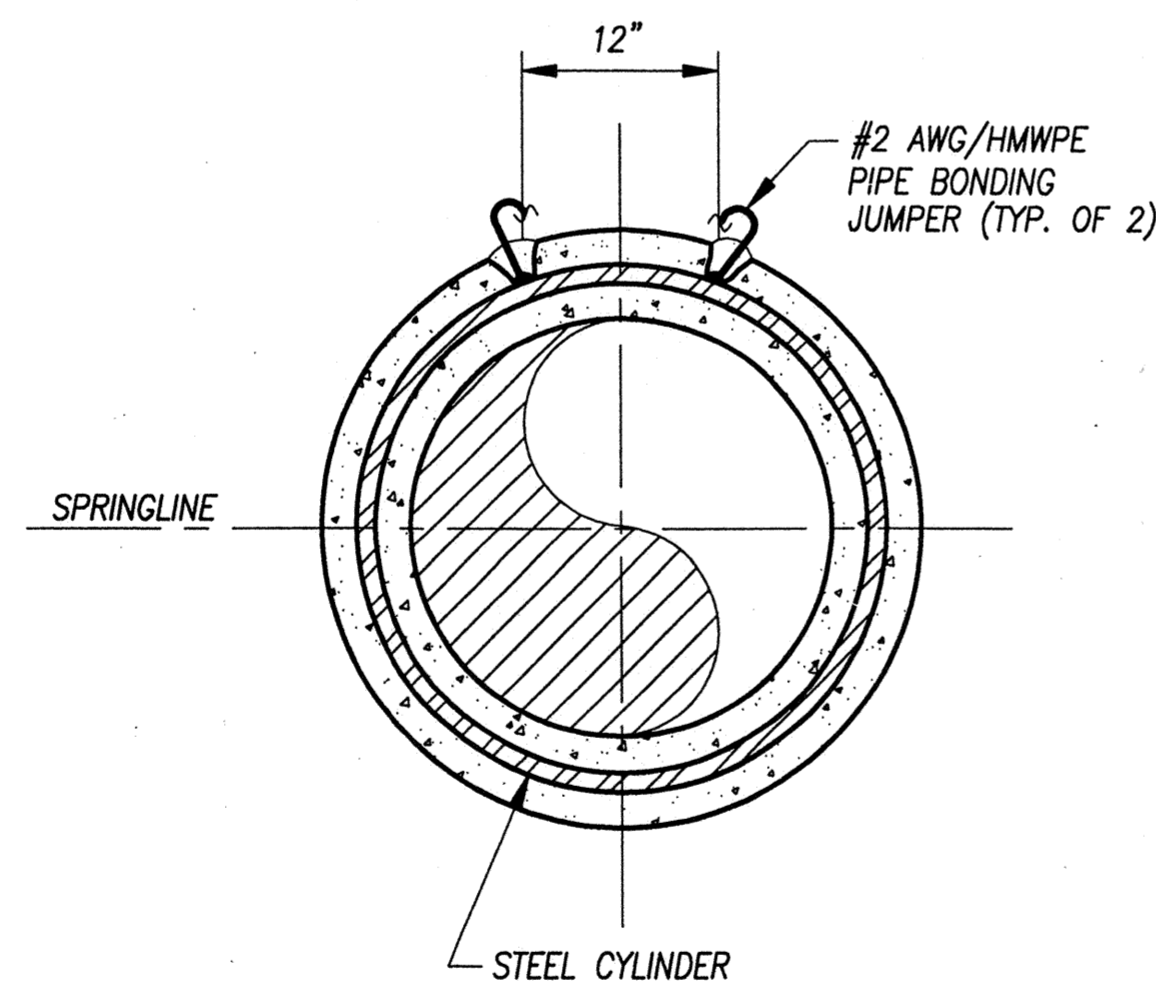


DUCTILE IRON PIPE FLEXIBLE COUPLING TIE DOWN

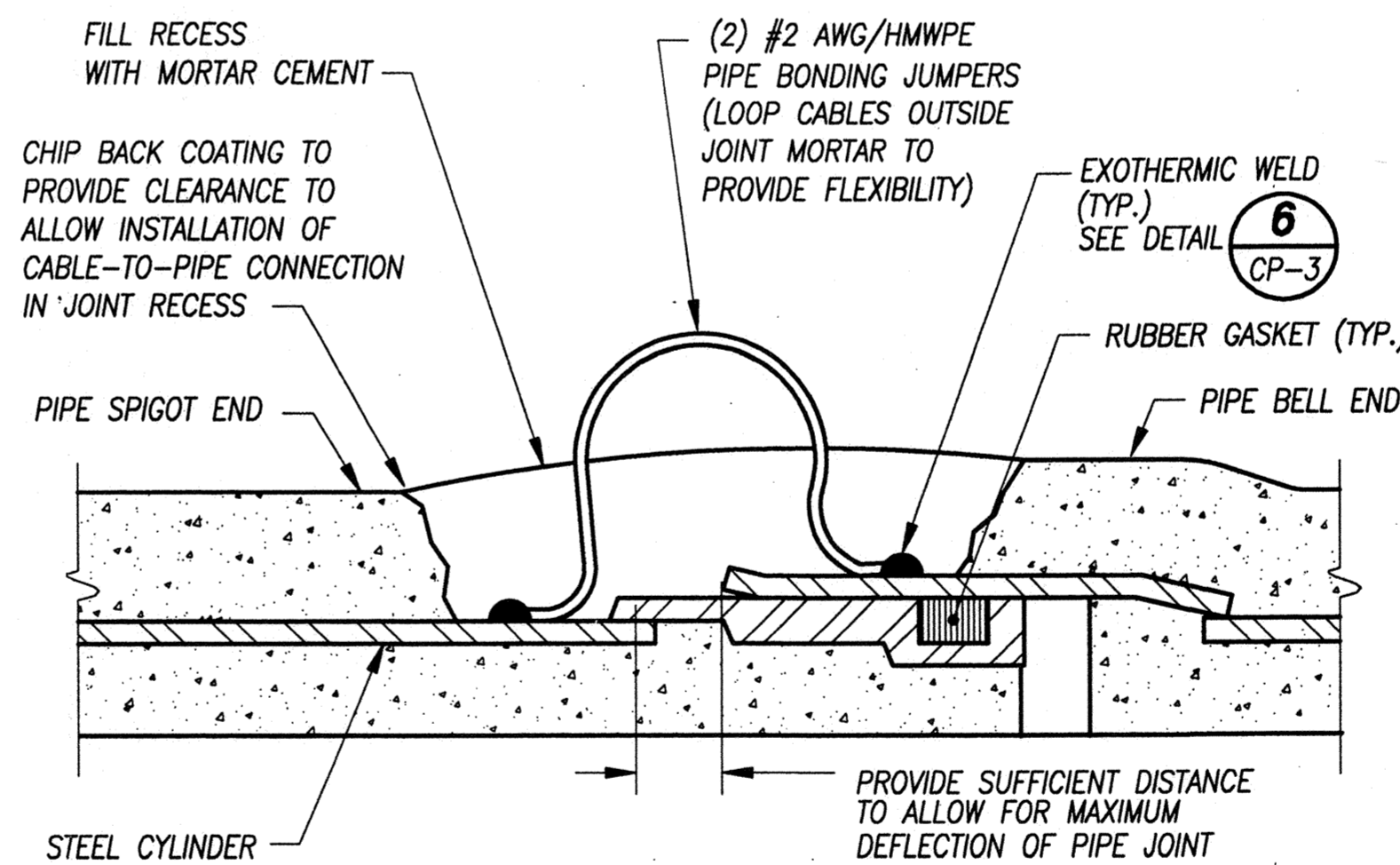


DUCTILE IRON PIPE & MORTAR COATED PIPE

3 PIPE JOINT BONDING LOCATIONS
CP-4 NOT TO SCALE



SECTION A-A



- NOTE:
 FOR JOINT BOND CABLES ON STEEL PIPE NORTH OF ROUGH & READY ISLAND USE WELDED CONNECTION PER DETAIL 3, SHEET CP-5.

4 PIPE JOINT BONDING JUMPERS
CP-4 NOT TO SCALE ROUGH & READY ISLAND

5 BOND CABLES - METALLIC PIPE JOINTS
CP-4 NOT TO SCALE

RECORD DRAWING

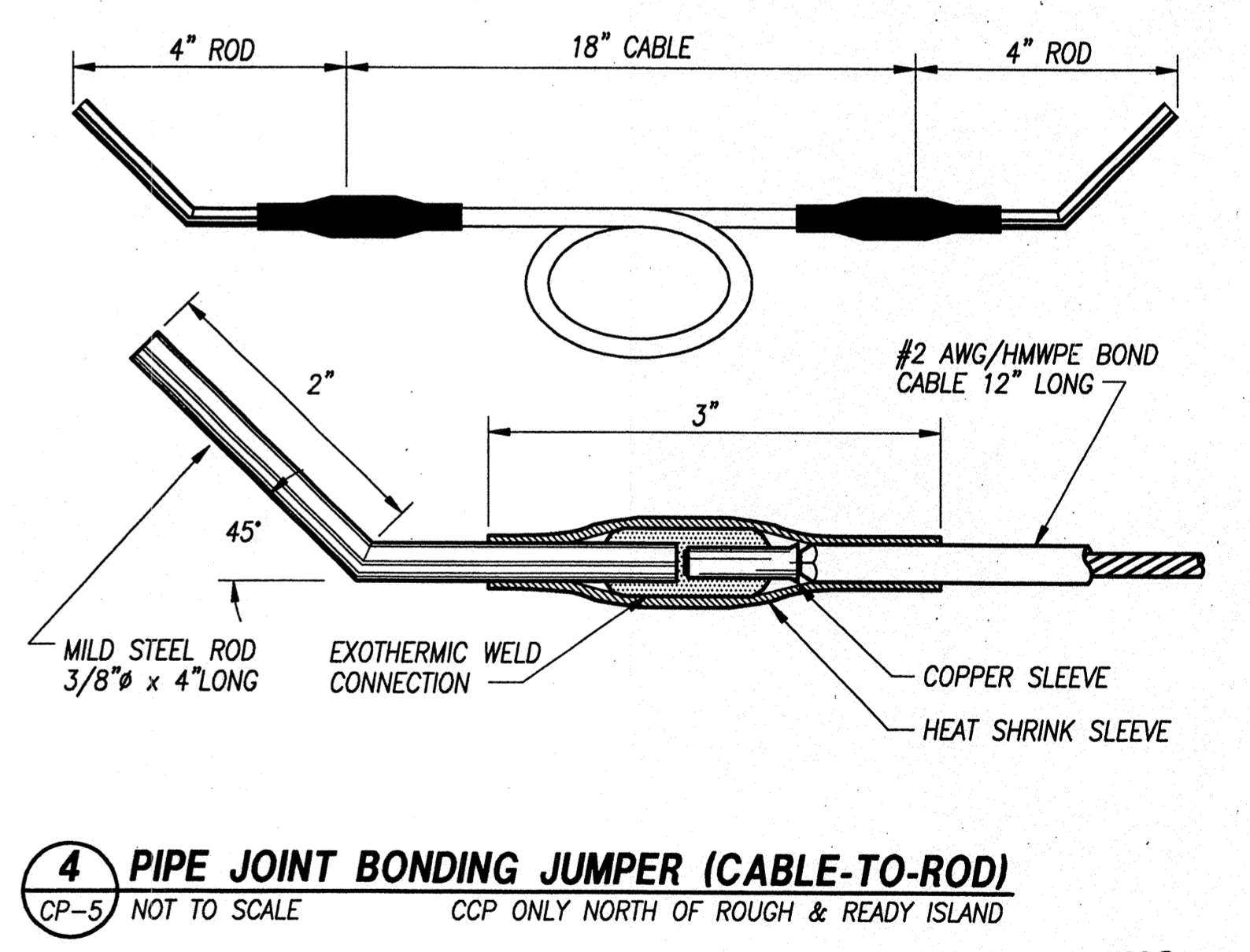
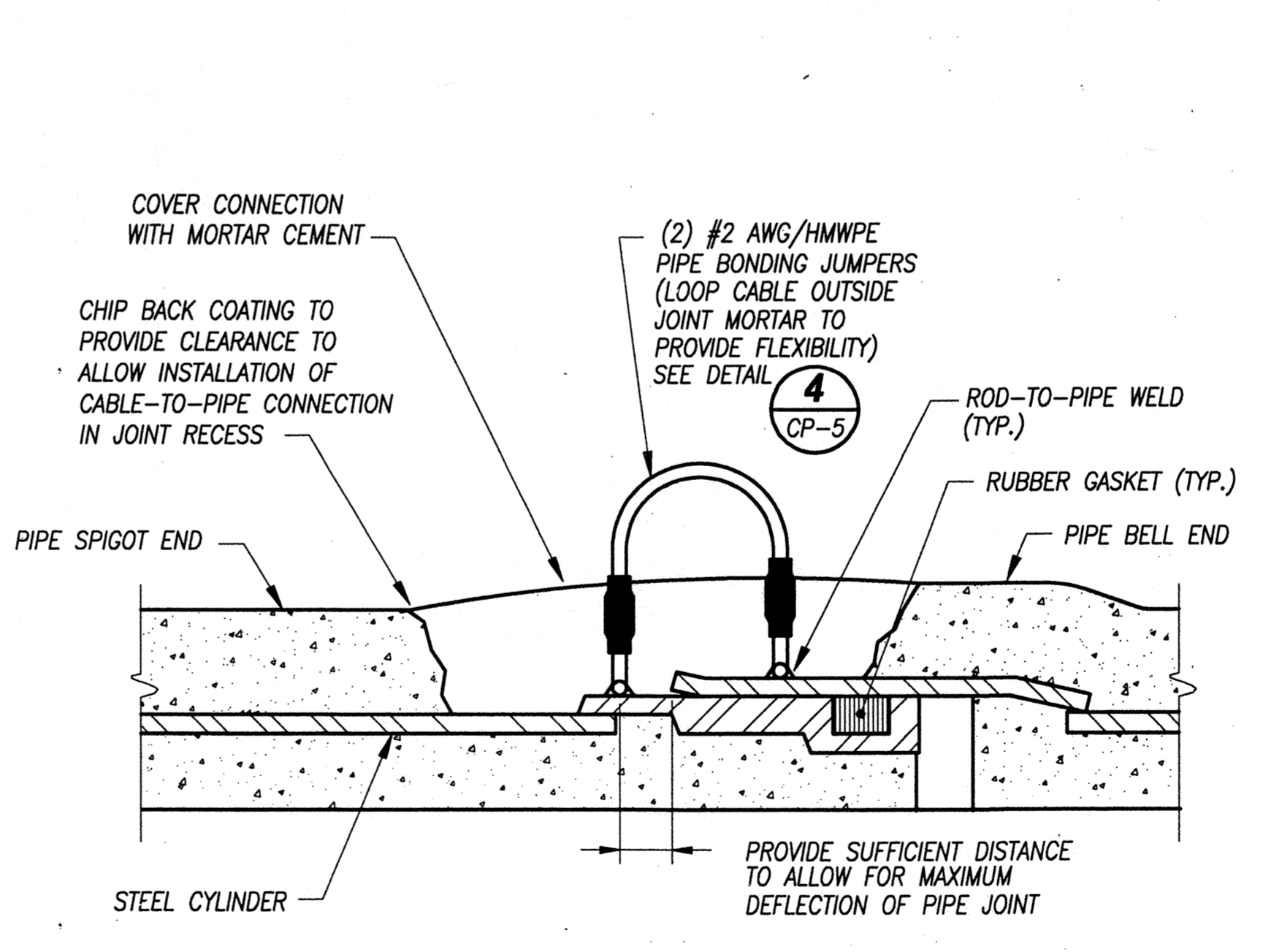
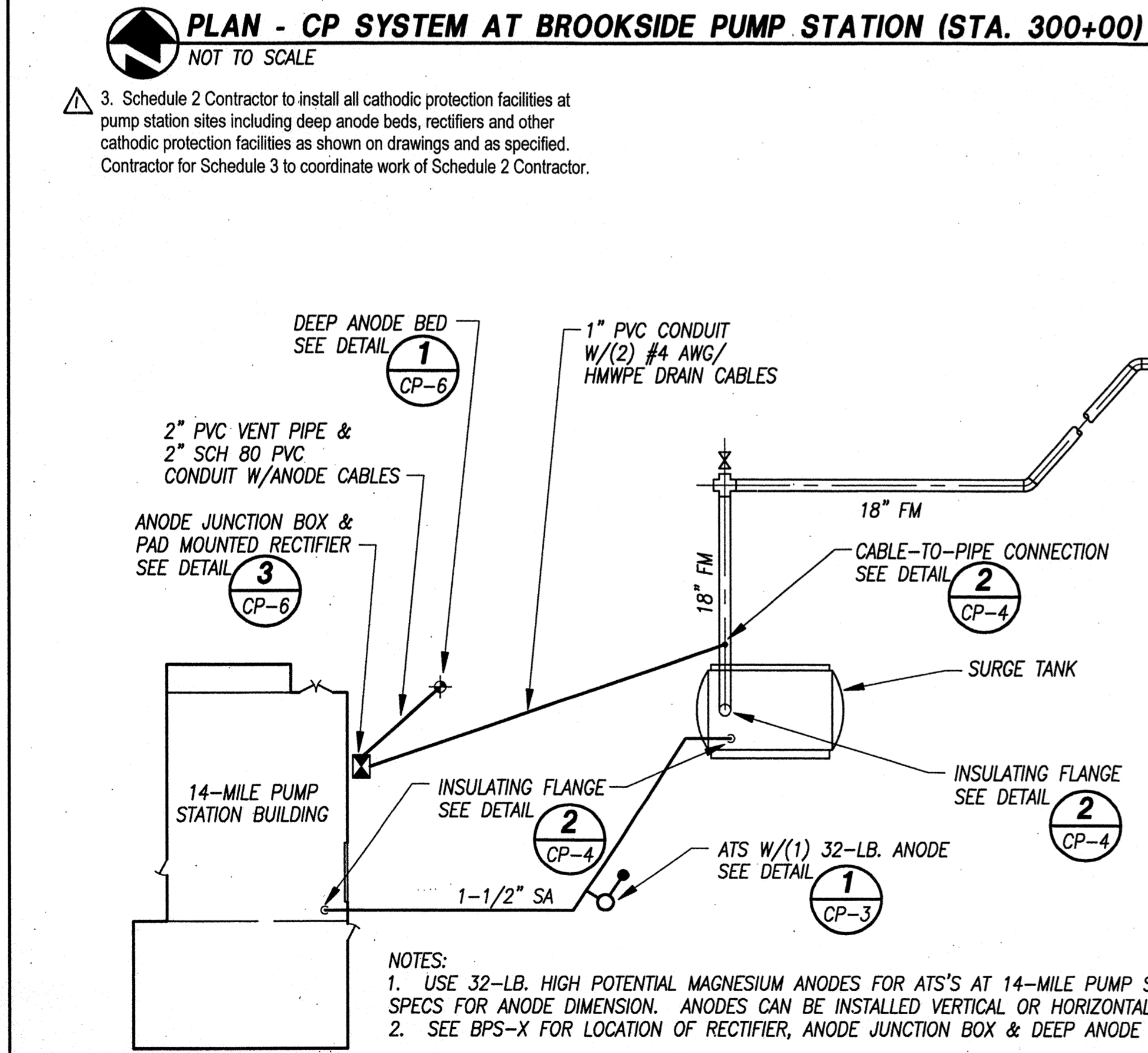
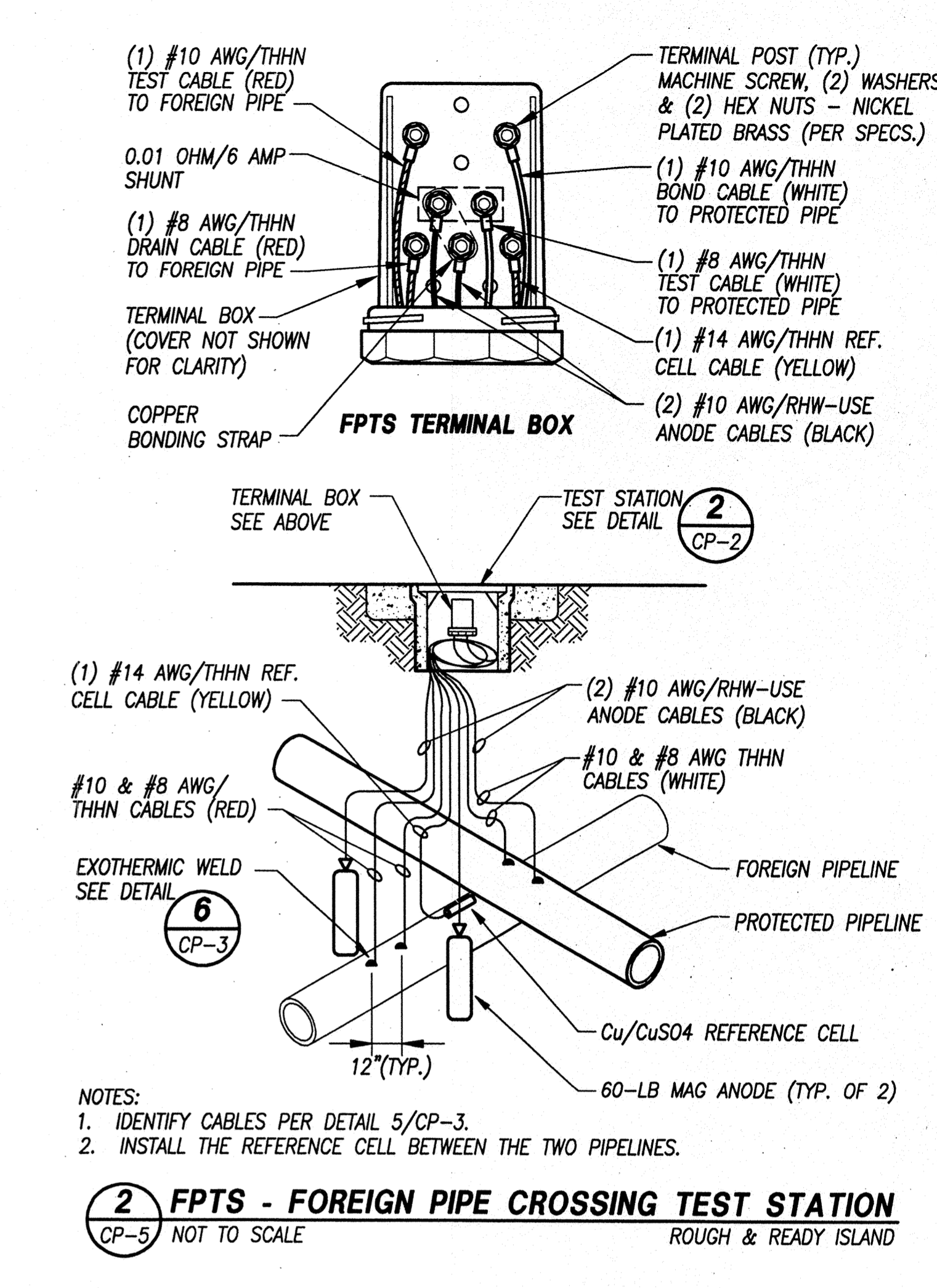
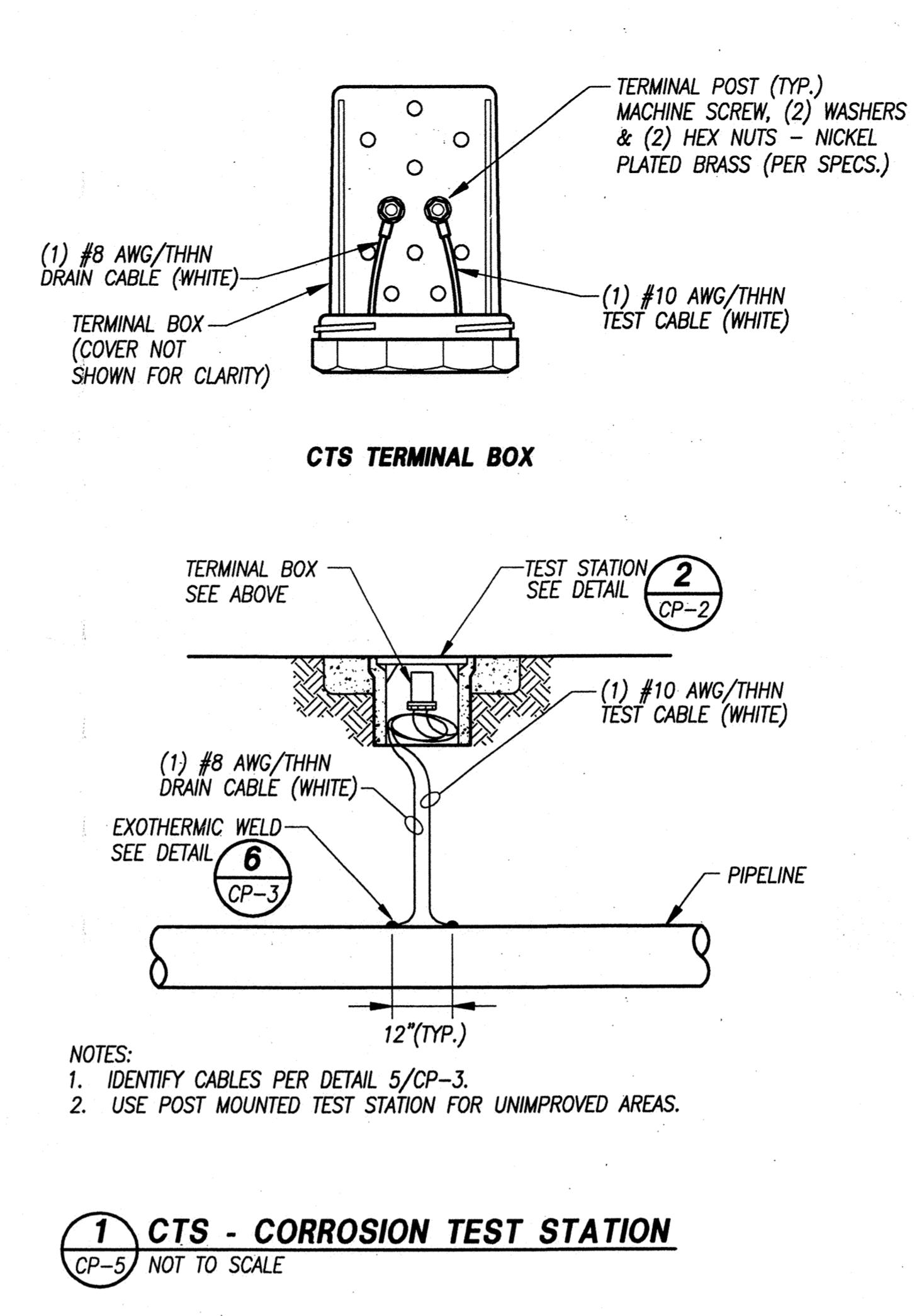
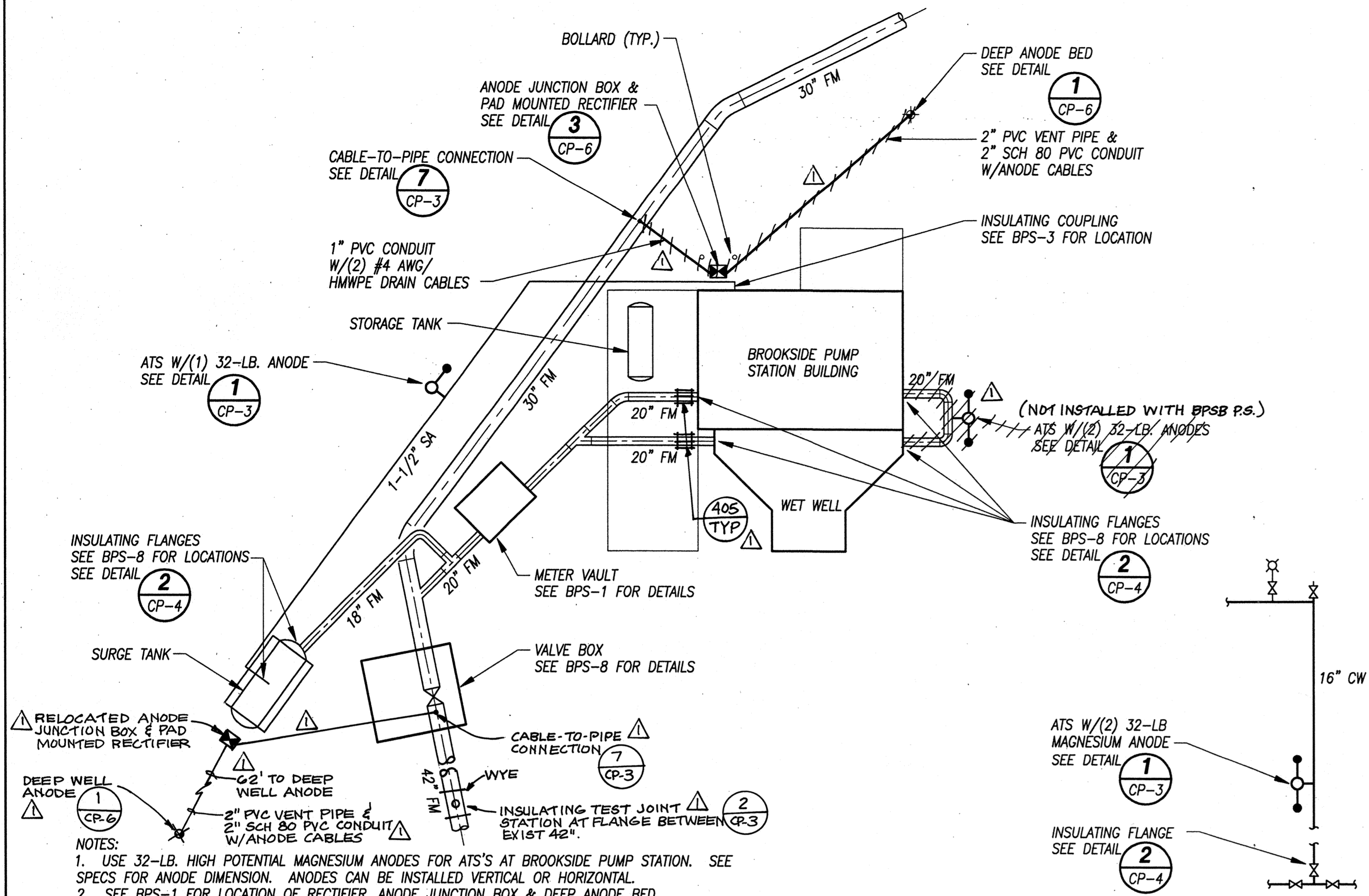
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
CATHODIC PROTECTION SYSTEM DETAILS		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: AS SHOWN	APPROVED BY: <i>RW</i> DATE: <i>1/16/00</i>	DRAWING NO. CP-4
DESIGNED: JDH		SHEET NO. 95 OF 100
DRAWN: WDC		JOB NO. 3385D.10
CHECKED: KAP	<i>Paul M. Smith</i> CITY ENGINEER STOCKTON, CALIF.	
AS BUILT BY: PG		

	DISCIPLINE ENGINEER PROJECT ENGINEER PARTNER	PROJECT ENGINEER PARTNER	PROJECT ENGINEER PARTNER	PROJECT ENGINEER PARTNER

REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

4006.94Ca



RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS

CATHODIC PROTECTION SYSTEM DETAILS

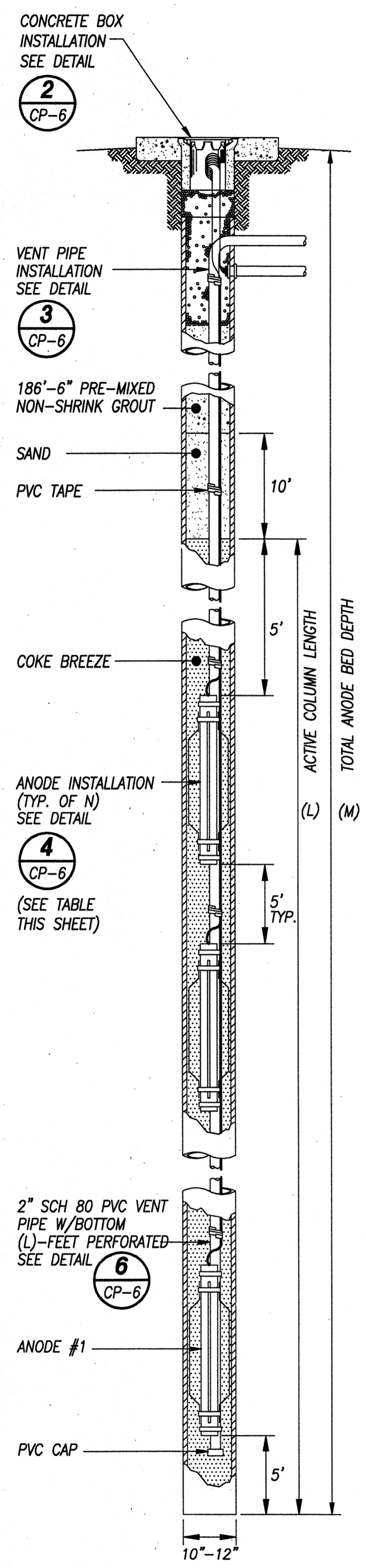
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: [Signature]	DRAWING NO. CP-5
DESIGNED: JDH	DATE: 11/17	SHEET NO. 96 OF 100
DRAWN: WDC	CITY ENGINEER [Signature]	JOB NO. 3385D.10
CHECKED: KAP	STOCKTON, CALIF.	
AS BUILT BY: PG		

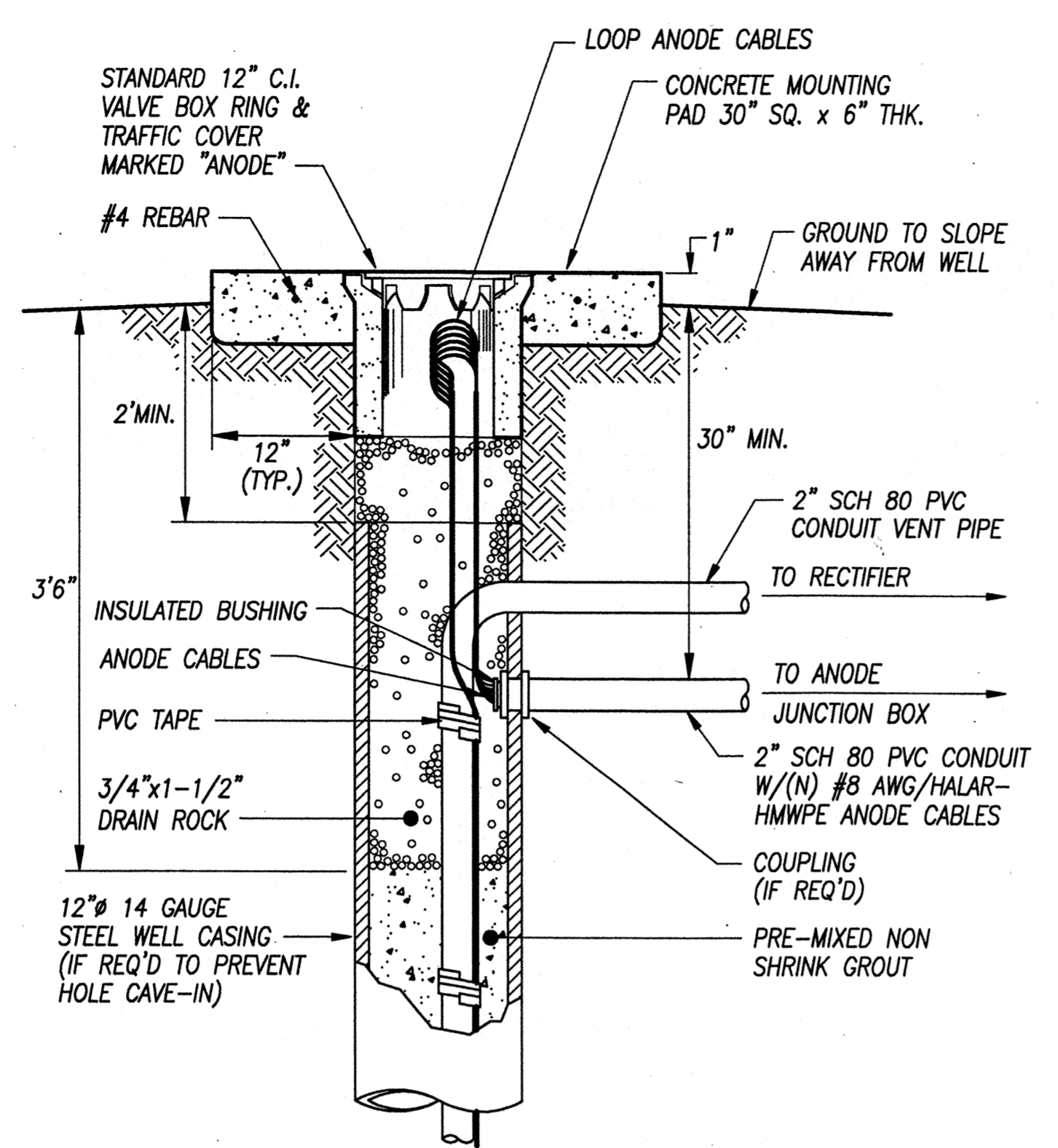
	DISCIPLINE ENGINEER	PROJECT ENGINEER	PARTNER		

REV.	DATE	BY	DESCRIPTION
1/2000	PG		RECORD DRAWING

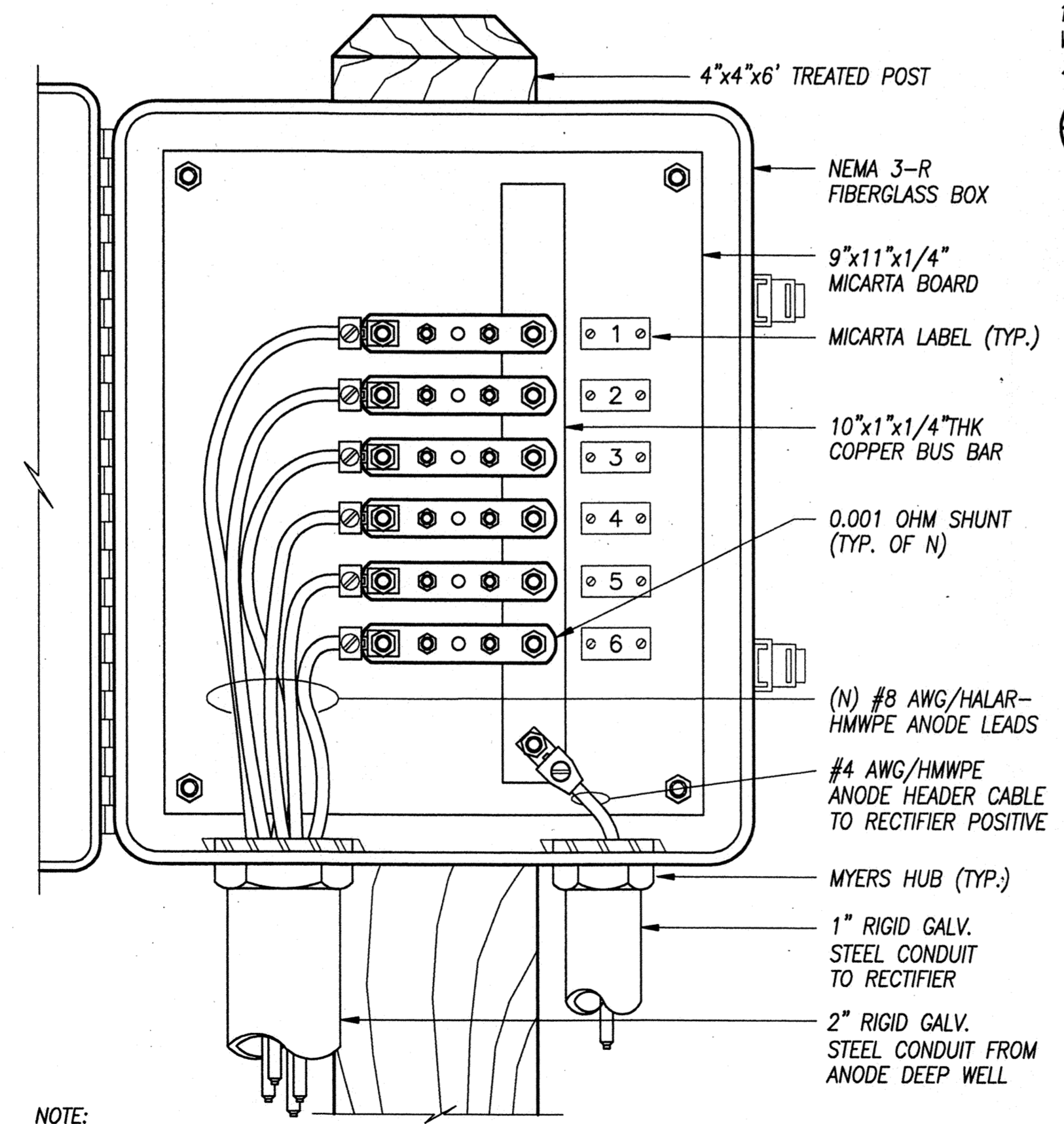
96016



1 DEEP ANODE BED INSTALLATION
CP-6 NOT TO SCALE

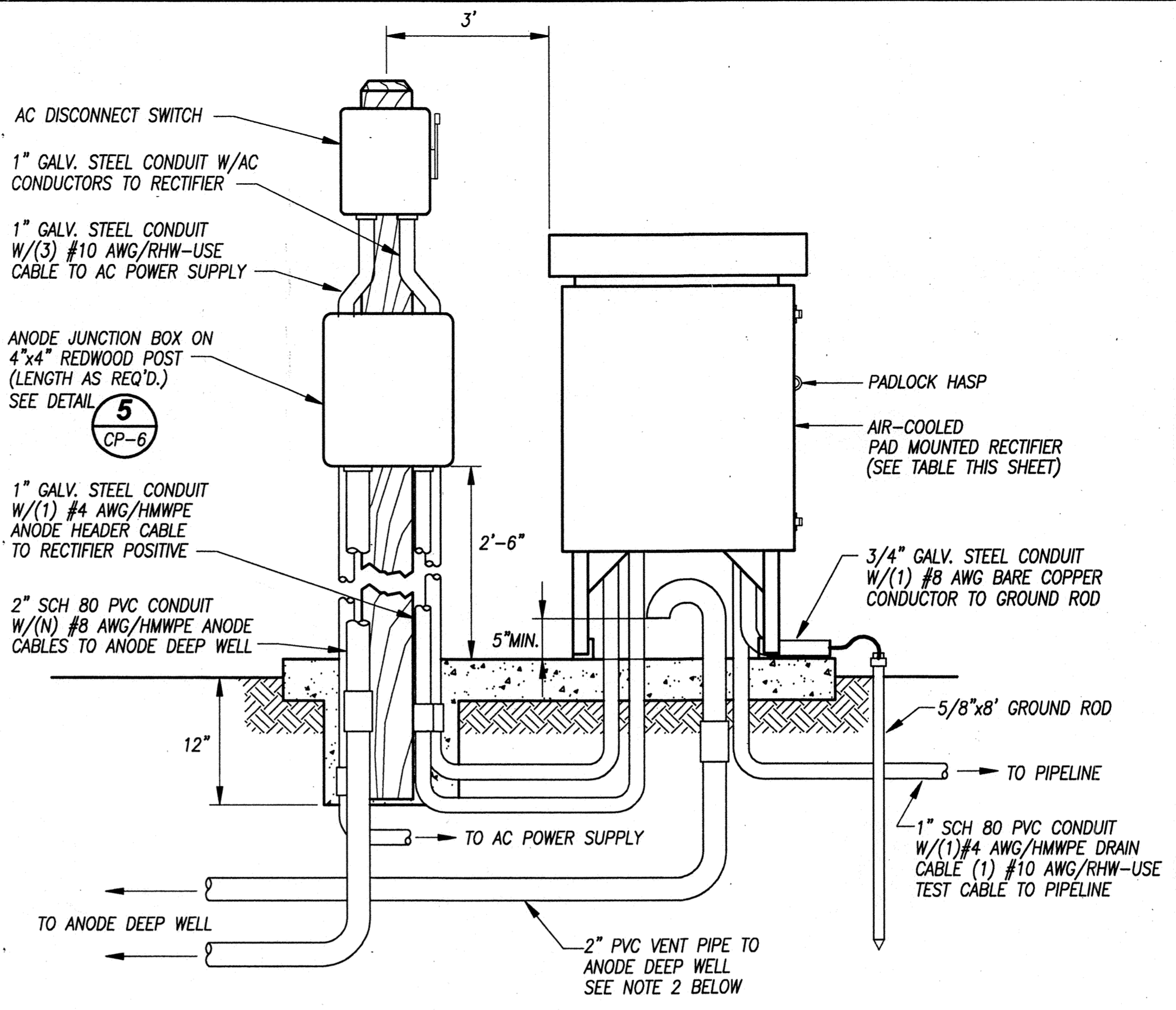


2 CONCRETE BOX INSTALLATION
CP-6 NOT TO SCALE



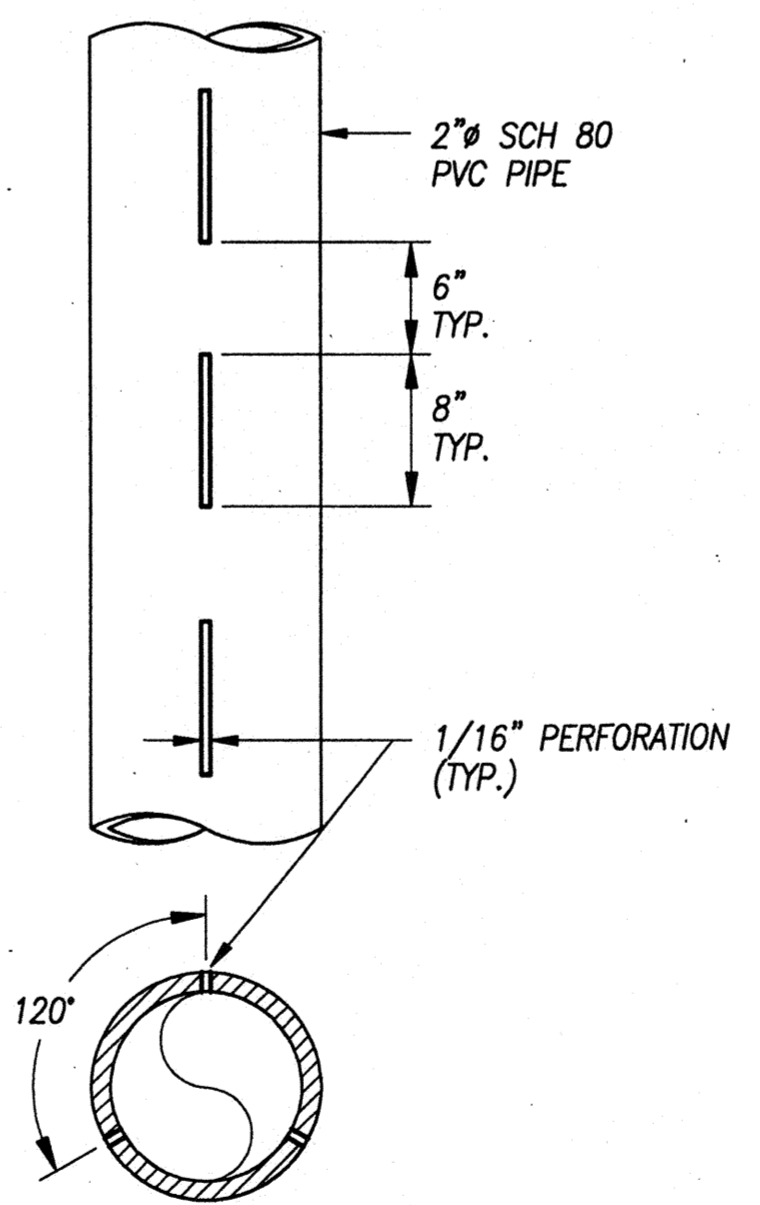
NOTE:
(A/B) TO BE USED IN LIEU OF "TESTOX" AT CASING TEST STATION REQUIRING (10) OR MORE ANODES. SEE DETAIL 3/CP3.

3 RECTIFIER & ANODE JUNCTION BOX INSTALLATION
CP-6 NOT TO SCALE



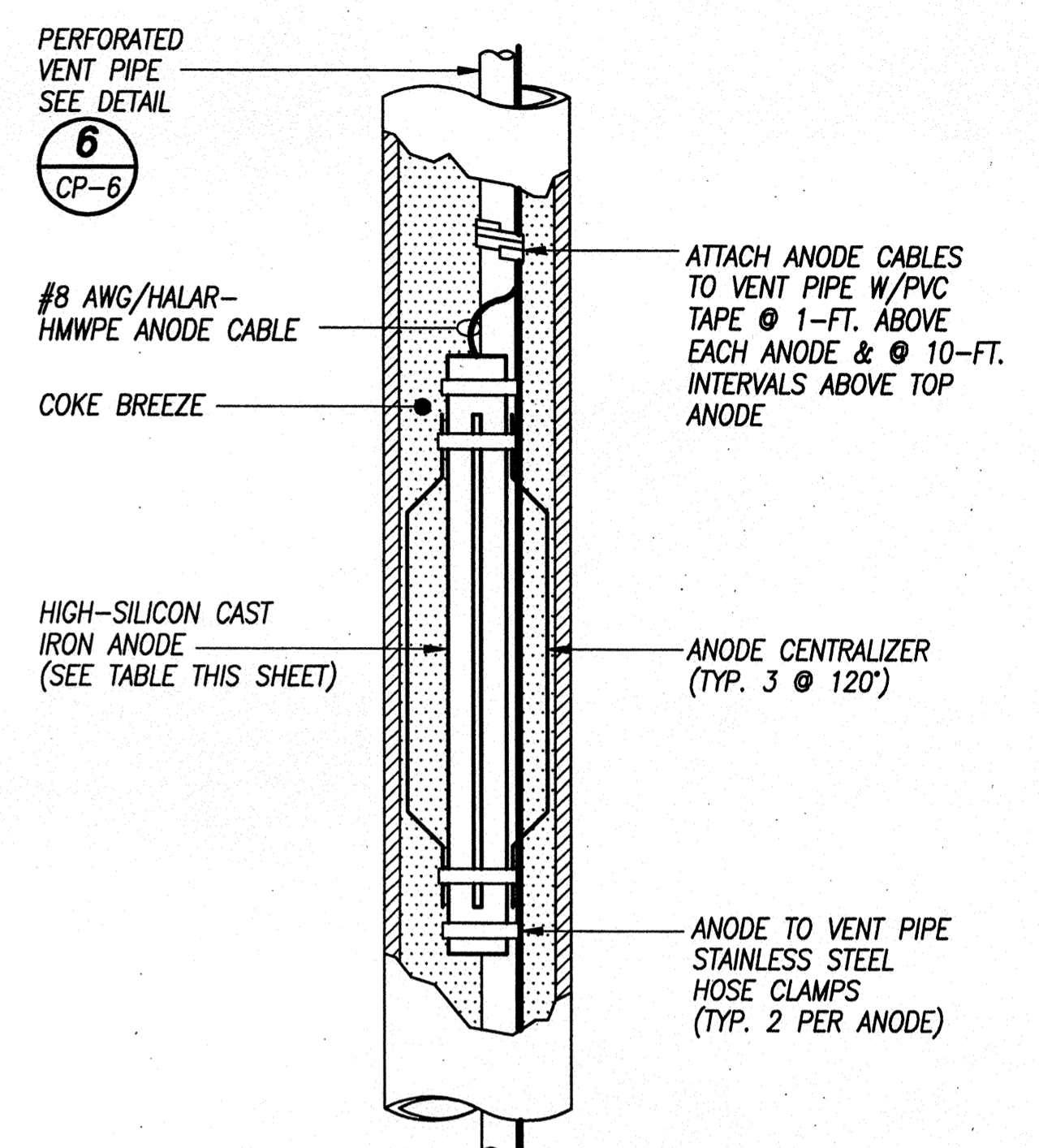
NOTES:
1. ALL UNDERGROUND GALVANIZED STEEL CONDUIT SHALL BE PRIMED & TAPE WRAPPED ALONG ENTIRE LENGTH WITH HALF-LAP 10-MIL POLYETHYLENE TAPE.
2. THE VENT PIPE SHALL BE SLOPED DOWNWARDS TO THE DEEP ANODE BED.

4 ANODE INSTALLATION
CP-6 NOT TO SCALE



NOTES:
1. PERFORATE BOTTOM (L)-FT. OF VENT PIPE.
2. GLUE PVC JOINTS AND SECURE W/(3) 3/4\"/>

5 VENT PERFORATION
CP-6 NOT TO SCALE



6 ANODE INSTALLATION
CP-6 NOT TO SCALE

RECTIFIER RATINGS & ANODE BED DIMENSIONS

RECTIFIER LOCATION @PUMP STATION	RECTIFIER RATING VOLTS:AMPS		DEPTH OF ACTIVE ANODE BED (L)-FT.		TOTAL DEPTH ANODE BED (M)-FT.		TOTAL NUMBER OF ANODES (N)	
	OPT. A	OPT. B	OPT. A	OPT. B	OPT. A	OPT. B	OPT. A	OPT. B
14-MILE SLOUGH	30:18	16:8	65	47.5	265	247.5	5**	5*
BROOKSIDE P.S.	50:32	40:24	101	77	301	277	8**	6**

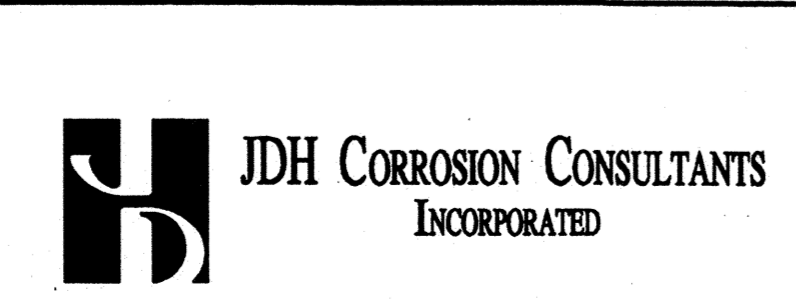
* ANODE TYPE: TA-1 31-LBS. 42"x2-21/32 O.D.
** ANODE TYPE: TA-2 63-LBS. 84"x2-21/32 O.D.

NOTES:
1. OPTION A - MORTAR COATED STEEL PIPE OR CONCRETE CYLINDER PIPE BETWEEN 14-MILE PUMP STATION & BROOKSIDE PUMP STATION.
2. OPTION B - DUCTILE IRON PIPE BETWEEN 14-MILE PUMP STATION & BROOKSIDE PUMP STATION.

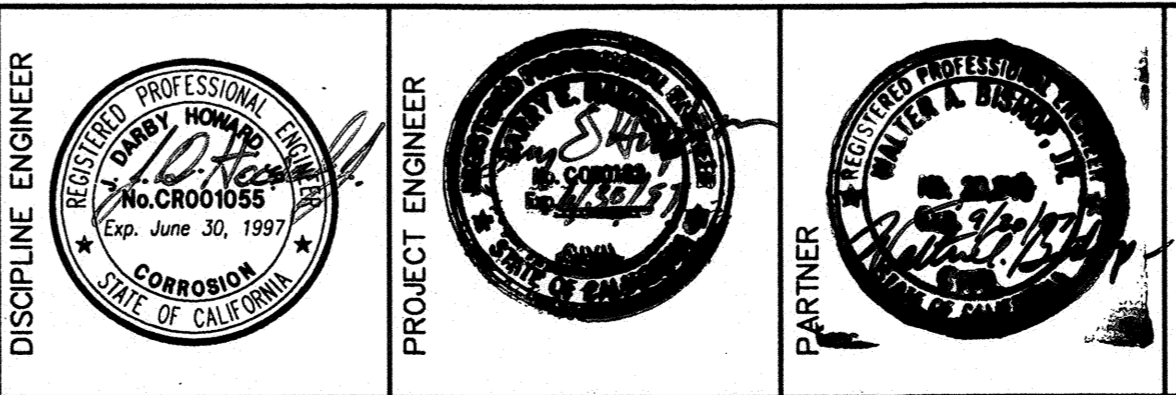
RECORD DRAWING

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS
CATHODIC PROTECTION SYSTEM DETAILS
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA

SCALE: AS SHOWN	APPROVED BY: DATE: 1/6/00	DRAWING NO. CP-6
DESIGNED: JDH	CITY ENGINEER	SHEET NO. 97 OF 100
DRAWN: WDC	STOCKTON, CALIF.	JOB NO. 3385D.10
CHECKED: KAP		
AS BUILT BY: PG		



1/2000	RECORD DRAWING
96016	REV. DATE BY DESCRIPTION



INDEX OF DRAWINGS

SHEET No.	DRAWING No.	TITLE/LOCATION
98	TP-1	Traffic Control Plan Title Sheet Index of Drawings, Work Zones, General Notes, Legend
99	TP-2	Traffic Control Plan A Navy Drive
100	TP-3	Traffic Control Plans B & C Navy Drive/Washington Street

WORK ZONES

THE TRAFFIC CONTROL PLANS SHOW TYPICAL IMPLEMENTATION OF TRAFFIC CONTROL MEASURES FOR THE FOLLOWING WORK ZONES.

STATION No.	TRAFFIC CONTROL PLAN
NAVY DRIVE ALIGNMENT:	
0+00 to 0+60	PLAN A & PLAN C
0+60 to 5+90	NO ON-STREET CONSTRUCTION
5+90 to 35+05	PLAN A & PLAN C
35+05 to 37+50	PLAN B
37+50 to 43+82	PLAN C
43+82 to --	NO ON-STREET CONSTRUCTION

GENERAL NOTES

- REMOVE ALL CONFLICTING PAVEMENT MARKING BY SAND BLASTING.
- TRAFFIC CONES SHALL BE SECURED ONTO PAVEMENT BY NAILS DURING NON-CONSTRUCTION HOURS.
- DETAILS ON PLANS REFER TO CALTRANS STANDARD PLANS, JANUARY 1992, SHEETS A20-A, A20-B, A20-C, A24-B, A24-D.
- ALL TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR INSTALLATION AND REMOVAL.
- ANY CONFLICTING SIGNS WITHIN THE CONSTRUCTION ZONE SHALL BE BAGGED/REMOVED DURING CONSTRUCTION AND REPLACED PRIOR TO FINAL ACCEPTANCE.

LEGEND

	FLAGGER		SEWER LINE
	BARRICADE		MANHOLE (BY OTHERS)
	K-RAILING		INSTALL CONES W/ REFLECTIVE SLEEVES @ 20' OC.
	CONES		INSTALL TYPE II BARRICADES W/ WARNING LIGHTS @ 50' OC.
	INSTALL PORTABLE SIGN		INSTALL CONES W/ REFLECTIVE SLEEVES @ 30' OC.
	DIRECTION OF TRAFFIC		INSTALL 100 FEET OF CONES W/ REFLECTIVE SLEEVES @ 20' OC.
	INSTALL TEMPORARY PAVEMENT MARKING		INSTALL TYPE II BARRICADES W/ WARNING LIGHTS @ 100' OC, EVERY SECOND BARRICADE TO HAVE C30 ATTACHED.
	FLASHING ARROW SIGN		
	ELIMINATE ROADSIDE PARKING - INSTALL PLASTIC R26 AT 40' OC.		
	SPECIAL SIGN REFERENCE		



RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION SUPPLIED BY OTHERS.

WESTSIDE SEWER INTERCEPTOR IMPROVEMENTS		
TRAFFIC CONTROL PLAN TITLE SHEET INDEX OF DRAWINGS, WORK ZONES, NOTES, LEGEND		
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA		
SCALE: NTS	APPROVED BY: <i>PLC</i>	DRAWING NO. TP-1
DESIGNED: PLC	DATE: 8/21/97	SHEET NO. 98 OF 100
DRAWN: ECS/ELP	CITY ENGINEER	JOB NO. 3385D.10
CHECKED: RSM	AS BUILT BY: PG	

REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING

DISCIPLINE ENGINEER: *[Signature]*

PROJECT ENGINEER: *[Signature]*

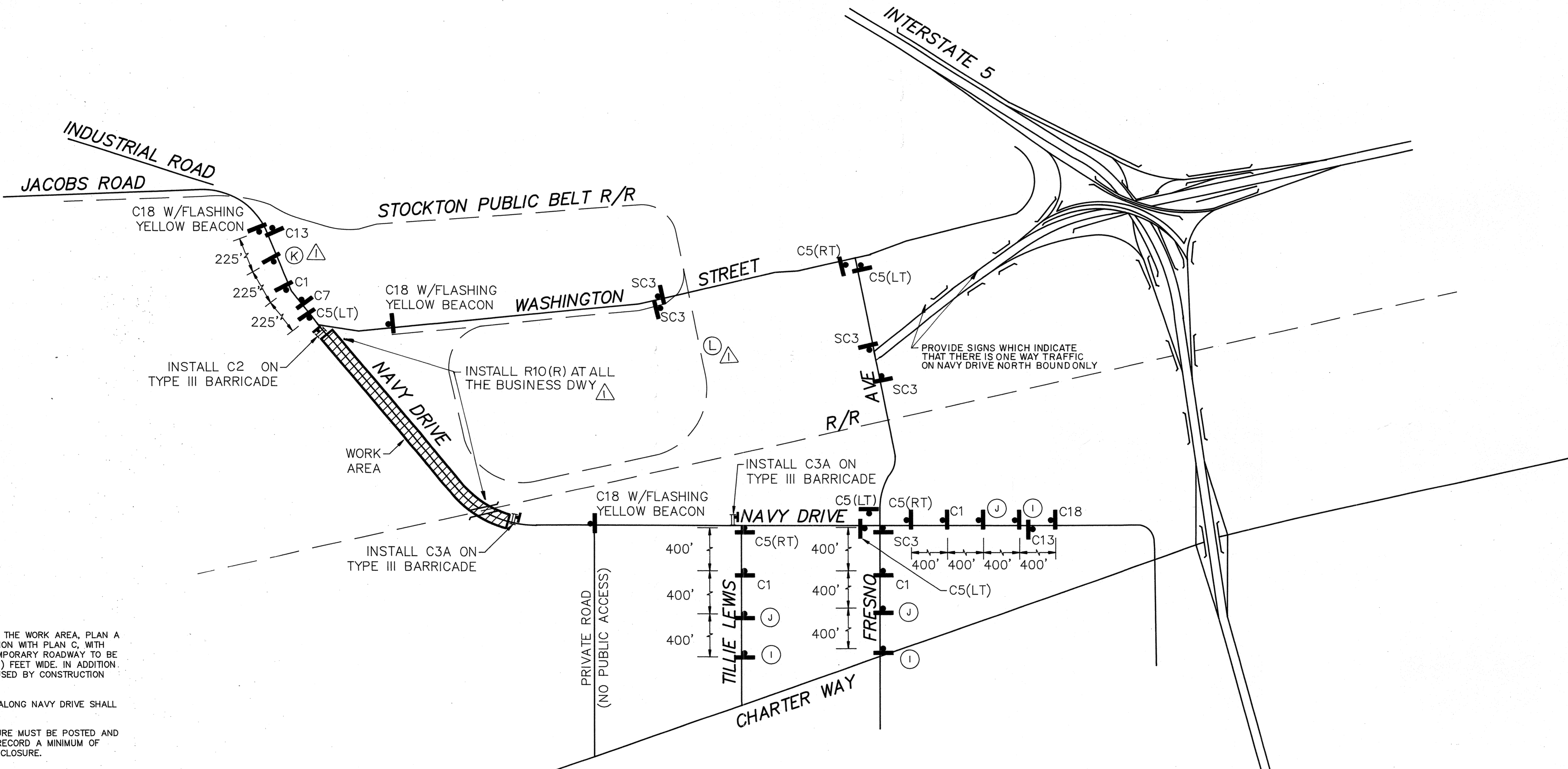
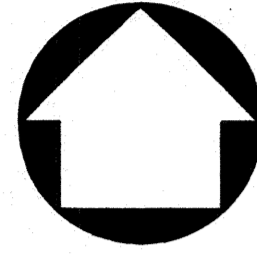
PARTNER: *[Signature]*

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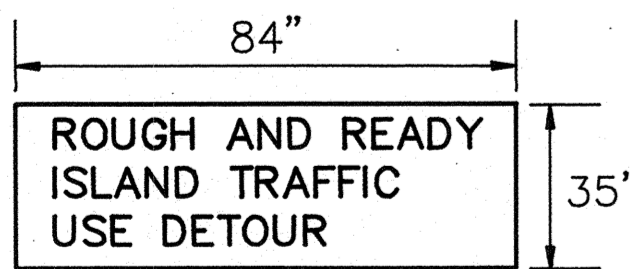
4-006.97Ca

DWG LAST EDITED BY: ENAT USER LOGIN TIME: JANUARY 31, 1997 7:10 AM DWG LAST EDITED ON: 01/31/97 16:34:31
 DWG NAME: Q:\STOCKTON\3385D\01\WSPM01.DWG XREFS: WSPM101 | CHP |



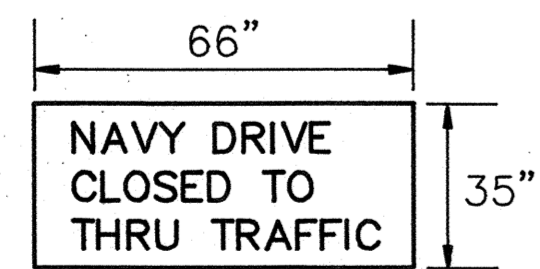
NOTES

1. FOR TRAFFIC CONTROL WITHIN THE WORK AREA, PLAN A SHALL BE USED IN CONJUNCTION WITH PLAN C, WITH THE EXCEPTION THAT THE TEMPORARY ROADWAY TO BE PROVIDED MAY BE ELEVEN (11) FEET WIDE. IN ADDITION THE STAGING AREA MAY BE USED BY CONSTRUCTION EQUIPMENT.
2. ACCESS TO ALL BUSINESSES ALONG NAVY DRIVE SHALL BE MAINTAINED AT ALL TIMES.
3. NOTIFICATION SIGN FOR CLOSURE MUST BE POSTED AND INCLUDED IN THE STOCKTON RECORD A MINIMUM OF SEVEN DAYS IN ADVANCE OF CLOSURE.



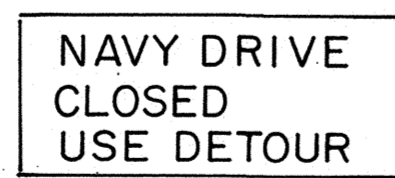
5" SERIES "D" LETTERS
BLACK ON ORANGE

SPECIAL SIGN (I)

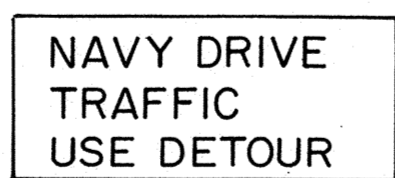


5" SERIES "D" LETTERS
BLACK ON ORANGE

SPECIAL SIGN (J)



SPECIAL SIGN (K)
NOTE: SIGN SIZES SAME AS (J)



SPECIAL SIGN (L)

PLAN A

USE PLAN A BETWEEN
STA 0+00 AND STA 0+60
AND BETWEEN
STA 5+90 AND STA 35+05
SEE NOTES 1 AND 2

RECORD DRAWING

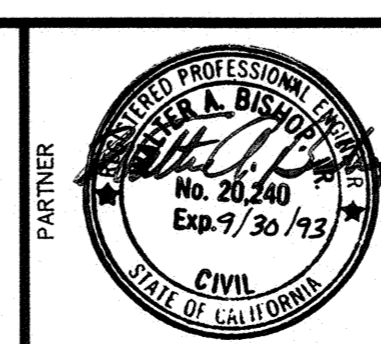
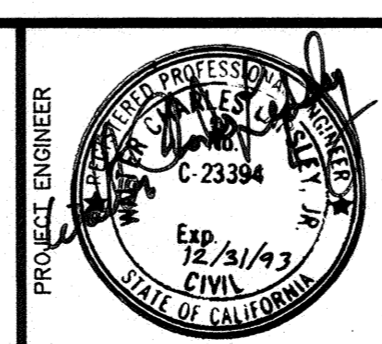
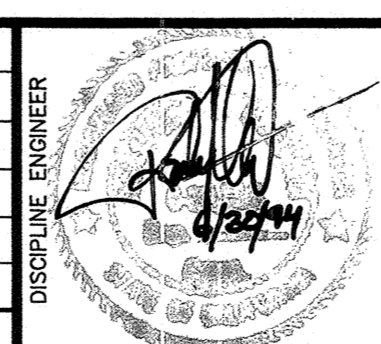
THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED
ON PART OR INFORMATION PROVIDED BY OTHERS.

WESTSIDE STOCKTON
INTERIM SEWER IMPROVEMENTS

TRAFFIC CONTROL PLAN A
NAVY DRIVE

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

REV.	DATE	BY	DESCRIPTION
1/2000			RECORD DRAWING
7-7-97	BEH		ADDED NOTES REQUESTED BY CITY



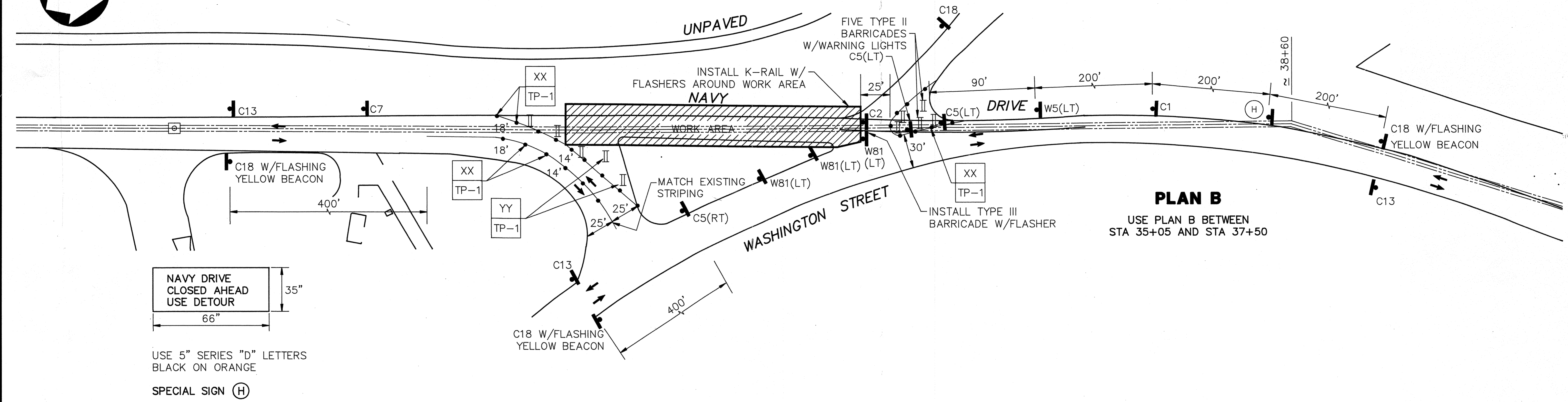
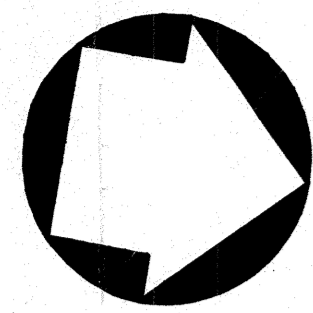
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SCALE:	N.T.S.	APPROVED BY: DATE	8/21/97	DRAWING NO.	TP-2
DESIGNED BY:	PLC	<i>[Signature]</i> CITY ENGINEER STOCKTON, CALIF.		SHEET NO.	99 of 100
DRAWN BY:	MCI			JOB NO.	3385D.10
CHECKED BY:	RSM	AS BUILT BY:	PG		

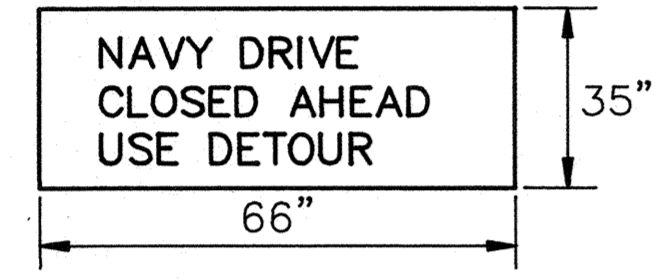
4006.98Ca

FILE NAME: 90253P02 PROJECT NUMBER: 99025300 LAST UPDATE BY: AXE

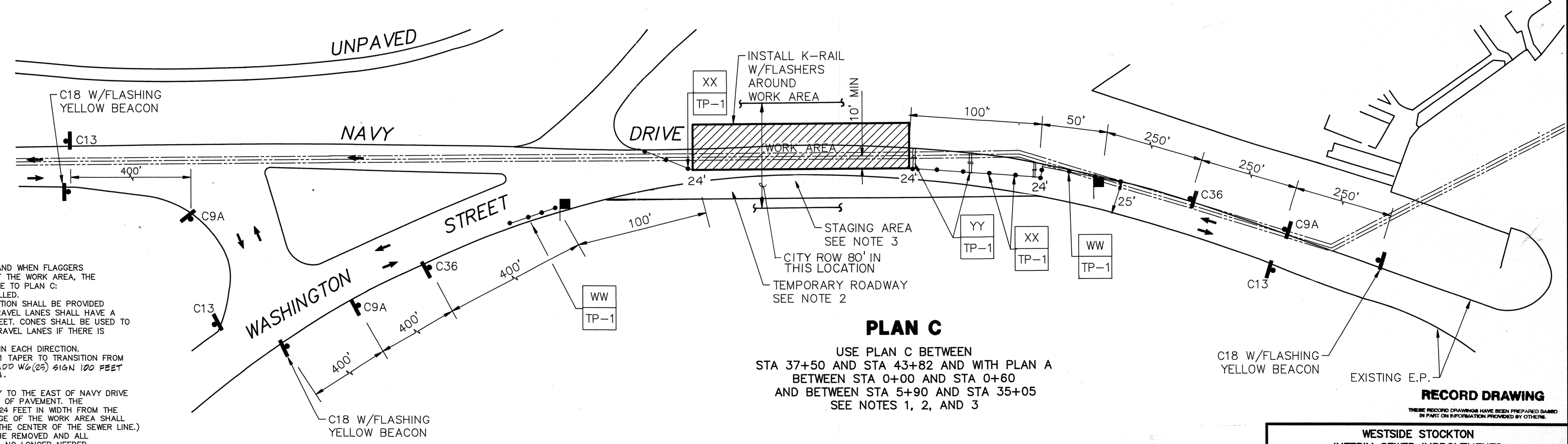
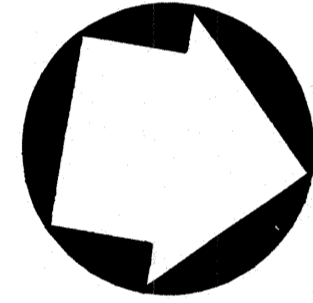


PLAN B

USE PLAN B BETWEEN
STA 35+05 AND STA 37+50



USE 5" SERIES "D" LETTERS
BLACK ON ORANGE
SPECIAL SIGN (H)



PLAN C
USE PLAN C BETWEEN
STA 37+50 AND STA 43+82 AND WITH PLAN A
BETWEEN STA 0+00 AND STA 0+60
AND BETWEEN STA 5+90 AND STA 35+05
SEE NOTES 1, 2, AND 3

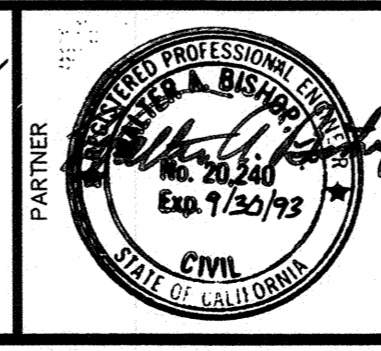
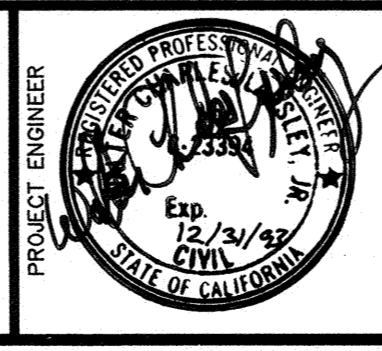
NOTES

- DURING NONCONSTRUCTION HOURS AND WHEN FLAGGERS ARE NOT PRESENT AT EACH END OF THE WORK AREA, THE FOLLOWING CHANGES SHALL BE MADE TO PLAN C:
 - TRENCH MUST BE COVERED OR FILLED.
 - ONE TRAVEL LANE IN EACH DIRECTION SHALL BE PROVIDED AROUND THE WORK AREA. THE TRAVEL LANES SHALL HAVE A MINIMUM WIDTH OF ELEVEN (11) FEET. CONES SHALL BE USED TO DISTINGUISH BETWEEN THE TWO TRAVEL LANES IF THERE IS NO CENTER LINE STRIPING.
 - COVER THE C36 AND C9A SIGNS IN EACH DIRECTION.
 - CONES SHALL BE USED AT A 25:1 TAPER TO TRANSITION FROM THE EXISTING ROADWAY WIDTH. ADD W6(2S) SIGN 100 FEET IN ADVANCE OF TRANSITION.
- CONSTRUCT A TEMPORARY ROADWAY TO THE EAST OF NAVY DRIVE WHICH MATCHES THE EXISTING EDGE OF PAVEMENT. THE ROADWAY SHALL VARY FROM 0 TO 24 FEET IN WIDTH FROM THE EDGE OF THE WORK AREA. (THE EDGE OF THE WORK AREA SHALL BE APPROXIMATELY 10 FEET FROM THE CENTER OF THE SEWER LINE.) THIS TEMPORARY ROADWAY SHALL BE REMOVED AND ALL MATERIALS REPLACED IN KIND WHEN NO LONGER NEEDED.
- THE STAGING AREA WILL PROVIDE ACCESS THROUGH THE CONSTRUCTION AREA WITH A MINIMUM OF TWELVE (12) FOOT TRAVEL LANES. THE STAGING AREA SHALL BE KEPT CLEAR OF ALL CONSTRUCTION EQUIPMENT. CONTRACTOR TO CONSTRUCT TEMPORARY ROADWAY. SEE NOTE 2.

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED DURING THE CONSTRUCTION OF THIS PROJECT AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.

REV.	DATE	BY	DESCRIPTION
	1/2000		RECORD DRAWING
	5/97	BEH	REVISED PLAN C AND NOTES 2 AND 3
	12-3-92	AK	NOTE (1) REVISED



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WESTSIDE STOCKTON INTERIM SEWER IMPROVEMENTS			
TRAFFIC CONTROL PLANS B AND C NAVY DRIVE/WASHINGTON STREET			
DEPARTMENT OF PUBLIC WORKS CITY OF STOCKTON, CALIFORNIA			
SCALE:	APPROVED BY: DATE	DRAWING NO.	
DESIGNED BY: PLC	<i>[Signature]</i> 8/21/97	TP-3	
DRAWN BY: MCI,RAH		SHEET NO.	100 OF 100
CHECKED BY: RSM		JOB NO.	3385D.10
AS BUILT BY: PG	CITY ENGINEER STOCKTON, CALIF.		

4006.99Ca

FILE NAME: 90253P03 PROJECT NUMBER: 90253X0 LAST UPDATE BY: ABE