

DOUBLE SCALE
PUEENTE BLDG. DIST. NO. 2

PROFILE ALIGNMENT AND GRADE OF **P.C. 5898**

FORCE MAINS PAGE 1
AND **J.N. 0356.C4**

SEWAGE PUMPING STATION
TO BE CONSTRUCTED IN
SANITARY SEWER RIGHTS OF WAY
FOR TRACT NO. 25991
PRIVATE CONTRACT NO. 5898

W.S. 39

17 SHEETS, 18 PAGES

SCALE: VERT. - AS SHOWN **SEPTEMBER, 1961**

PREPARED IN THE OFFICES OF
QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIF.

By: *John F. Quinton*
REG. C. E. NO. 12507

FOR LEGEND SEE PLAN NO. S-A-64

- NOTES**
1. "VOID" STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
 2. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
 3. THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL FURNISH THE COUNTY ENGINEER WITH GRASS SHEETS AND STAKING FOR ALL HOUSE LOTS AND T-SEWERAGE AND SHALL PROVIDE GRADES FOR THEM AT THEIR PROPER LOCATIONS WITH STAKING PLAINLY MARKED AND CHANGES IN LOCATION SHALL BE REQUESTED BY WRITING IN THE OWNER'S OR HIS REPRESENTATIVE'S HANDS.
 4. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LOTS WITH STAKING AT THE PROPER LINE BETWEEN THE TOP OF CURB ELEVATION AND EACH HOUSE LATERAL ON THE GRADE LINES.
 5. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
 6. USE STANDARD MANHOLE FRAMES AND COVERS, S-117, 24" DIA. 45° BEND.
 7. USE EXTRA STRENGTH PIPE 48" DIA. 14" C.I.P.
 8. USE SERRATED "WEDGE LOCK" OR "SPEED SEAL" FOR ALL V.C.P. JOINTS PER SPECS., SECT. 26 & 41.
 9. RESURFACE ALL TRENCH WITHIN PAVED AREA TO MEET L.A. COUNTY ROAD DEPT. OF CALIF. STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
 10. ENCASE FOUR FEET OF SEWER AT POINTS OF INTERFERENCE WITH POLES, CASE III, S-172.
 11. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPER LINE - 14" BELOW CURB GRADE EXCEPT AS NOTED.
 12. ALL STRUCTURES SHALL BE BRICK SEWER STRUCTURES, S-184, 24" DIA. 45° BEND.
 13. FOR ALLOWABLE LEAKAGE & PRESS. TESTS, SEE SPECS. USE FORMULA 2 FOR V.C.P. ON PAGE 4 & PAGE 11 WITH A.S.A. SPECIFICATIONS A21, A21.6, & A21.8 WITH "TYTON" JOINTS. CEMENT LINING 1/2" THICKNESS.
 14. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
 15. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, MADISON 9-470, EXT. 8151 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 16. FOR BORING LOGS OF TEST HOLES SEE SPECS.
 17. STANDARD SPECIFICATIONS DATED OCTOBER 26, 1961, AND THE SPECIAL SPECIFICATIONS FOR P.C. 5898 APPLY IN THE CONSTRUCTION OF THIS PROJECT.
 18. MINIMUM COVER OVER FORCE MAIN TO BE 4 FEET.
 19. FORCE MAINS TO BE CEMENT LINED CAST IRON PIPE OF CLASS SHOWN IN ACCORDANCE WITH A.S.A. SPECIFICATIONS A21, A21.6, & A21.8 WITH "TYTON" JOINTS. CEMENT LINING 1/2" THICKNESS.
 20. FORCE MAIN TO BE BEDDED ACCORDING TO LAYING CONDITION "F" OF ASA 211.
 21. USE "EVERDUN" BOLTS FOR EXPOSED FLANGED JOINTS OUTSIDE PUMP STATION.

NOTES
GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS.
WORK SHALL BE CONSTRUCTED ACCORDING TO SPECIFICATIONS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE L.A. COUNTY ROAD DEPT., DISTRICT OFFICE NO. 2, AND 2007 W. PALM ST., THE COUNTY ENGINEER, ROOM 210, COUNTY COURSE BLDG., 208 W. 10TH ST., SUPERVISOR TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPES, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET.

COUNTY OF LOS ANGELES, CALIFORNIA

APPROVED, JOHN A. LAMBE, COUNTY ENGINEER

APPROVED, J. R. PIRANNA, CHIEF ENGINEER

By: *John F. Quinton* 2557 SANITATION ENGINEER

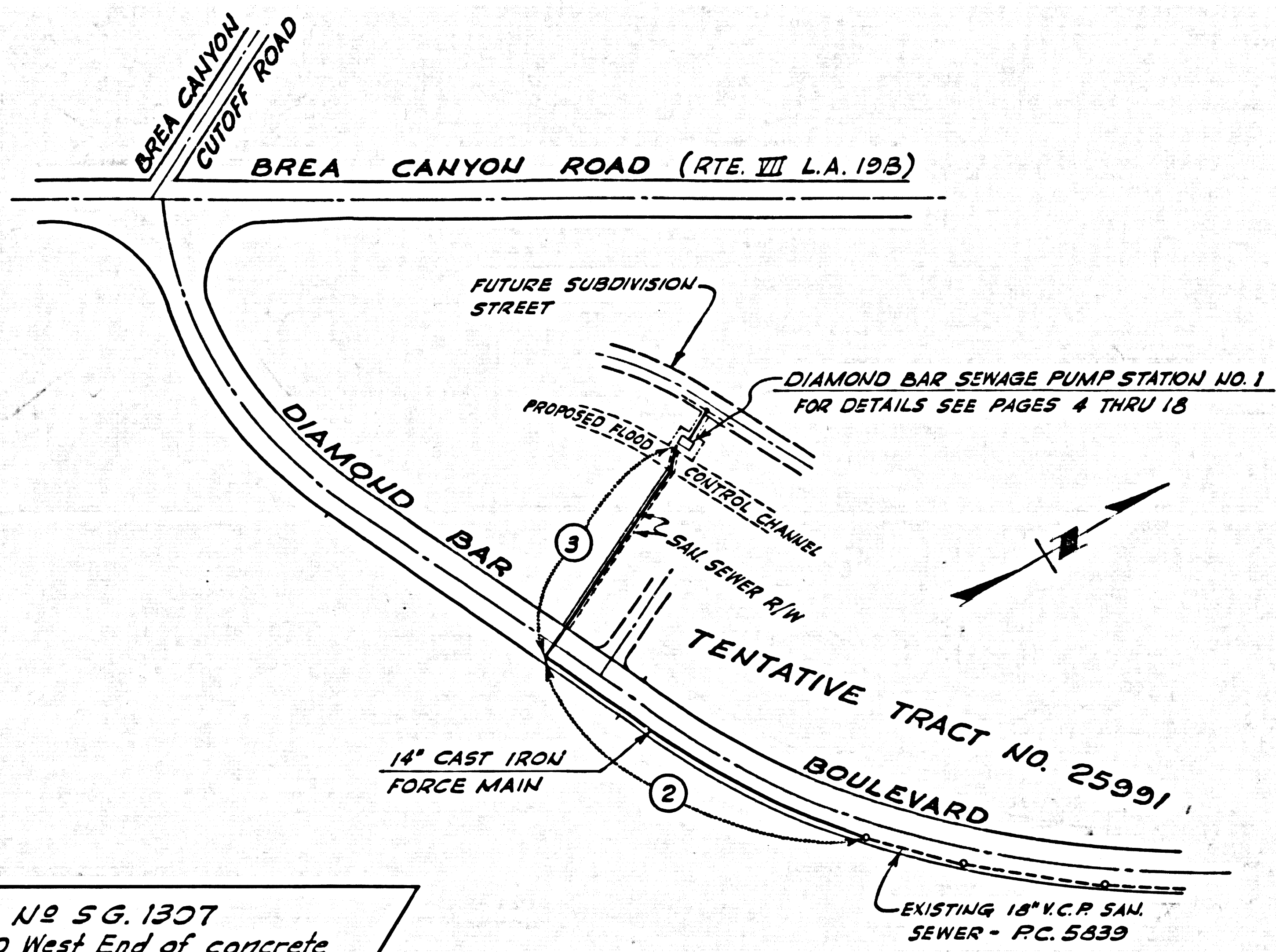
By: *J. R. Piranna* CHIEF ENGINEER

CHECKED BY *John F. Quinton* 1-25-62
OFFICE OF COUNTY ENGINEER, REG. C. E. NO. 11636

NO CONNECTIONS
ALLOWED
John F. Quinton 1-25-62

REVISIONS

Symbol	Date	Description	By	Chkd	App.
1	1-19-62	Revised Notes as shown	G.C. P.F.P.		
2	1-19-62	General Revision - Plan & Profile	J.B.F.F.P.		



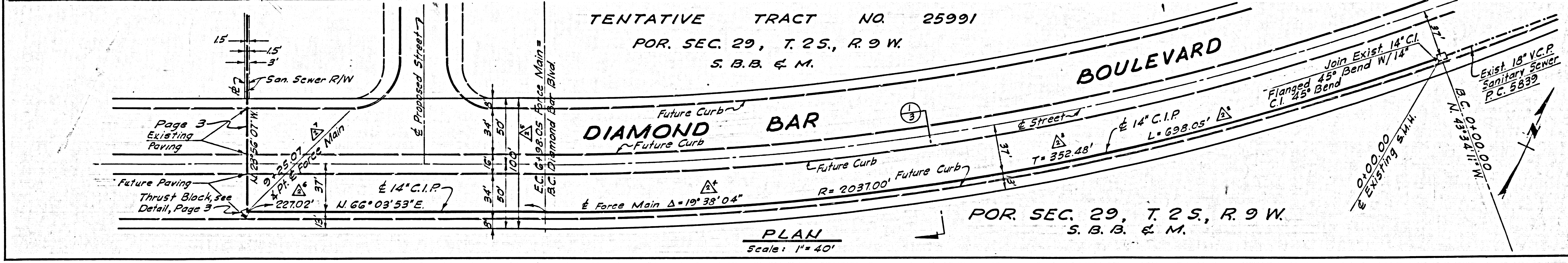
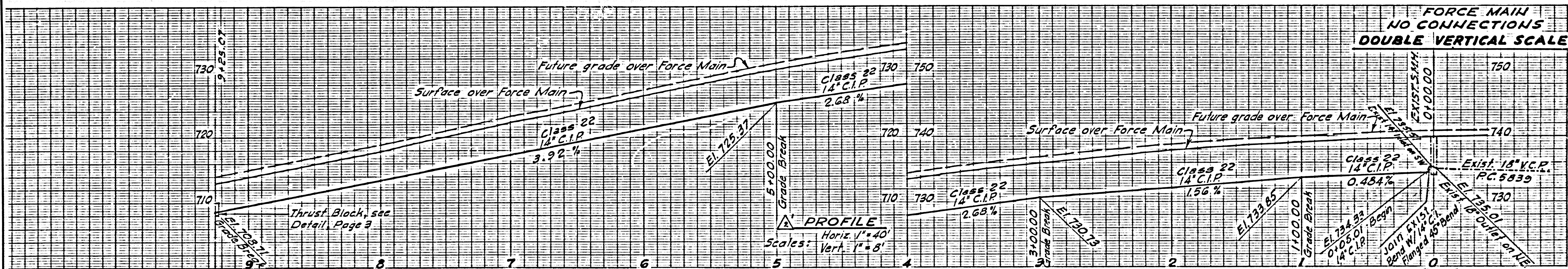
Bench Mark No 5G.1307
L. & T. 6' E/O West End of concrete
Retaining wall, 70' W/O Power pole
No 47129E. & 23' N/O E. of Walnut
Drive (Otterbein Quad. 1955 Adj.)
Elev. 502.453

INDEX MAP
SCALE: 1" = 300'

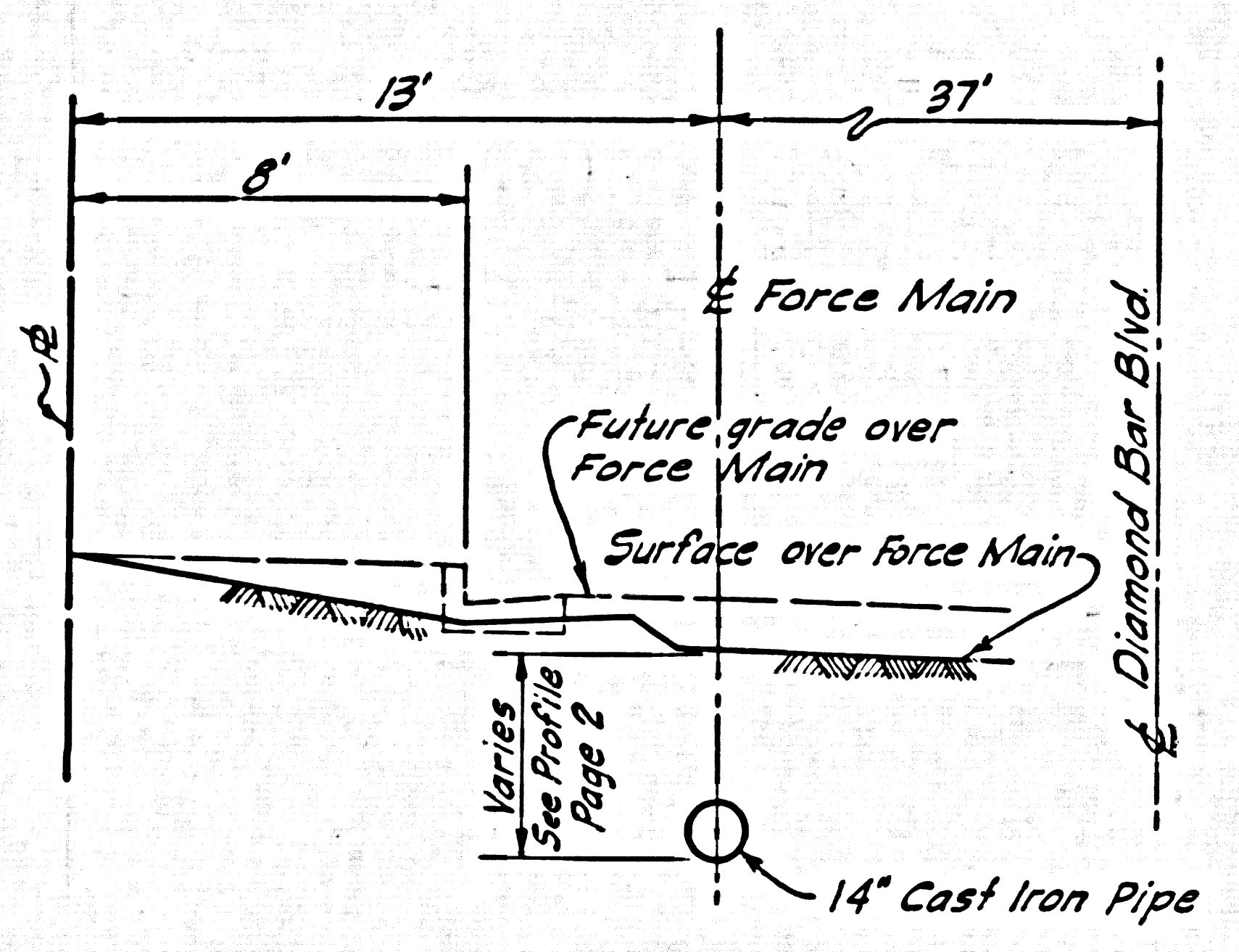
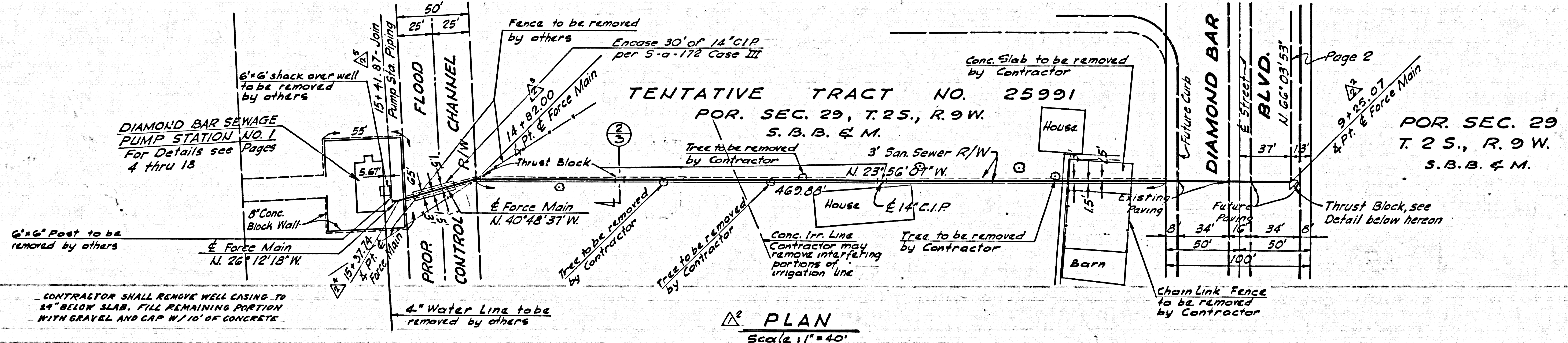
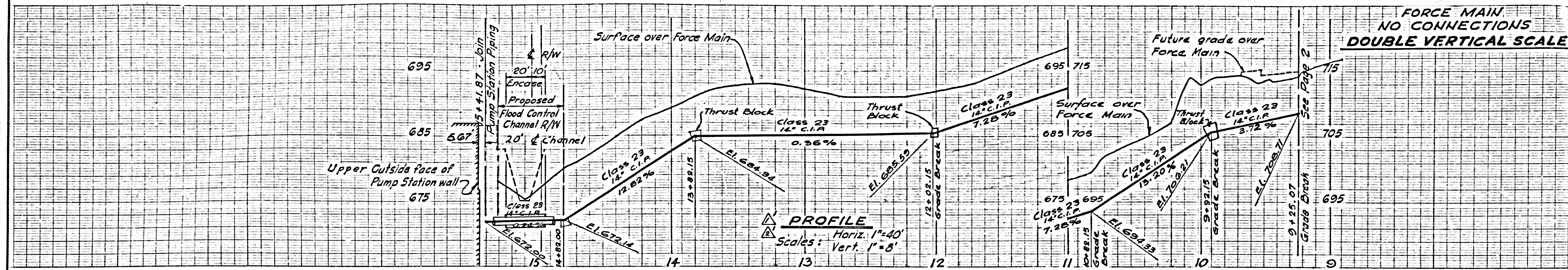
BASES OF BEARING:
THE BEARINGS FOR DIAMOND BAR BLVD AS SHOWN ON P.M. 20108
WERE USED AS A BASIS OF BEARING FOR THIS PROJECT.

P.C. 5898 PAGE 2

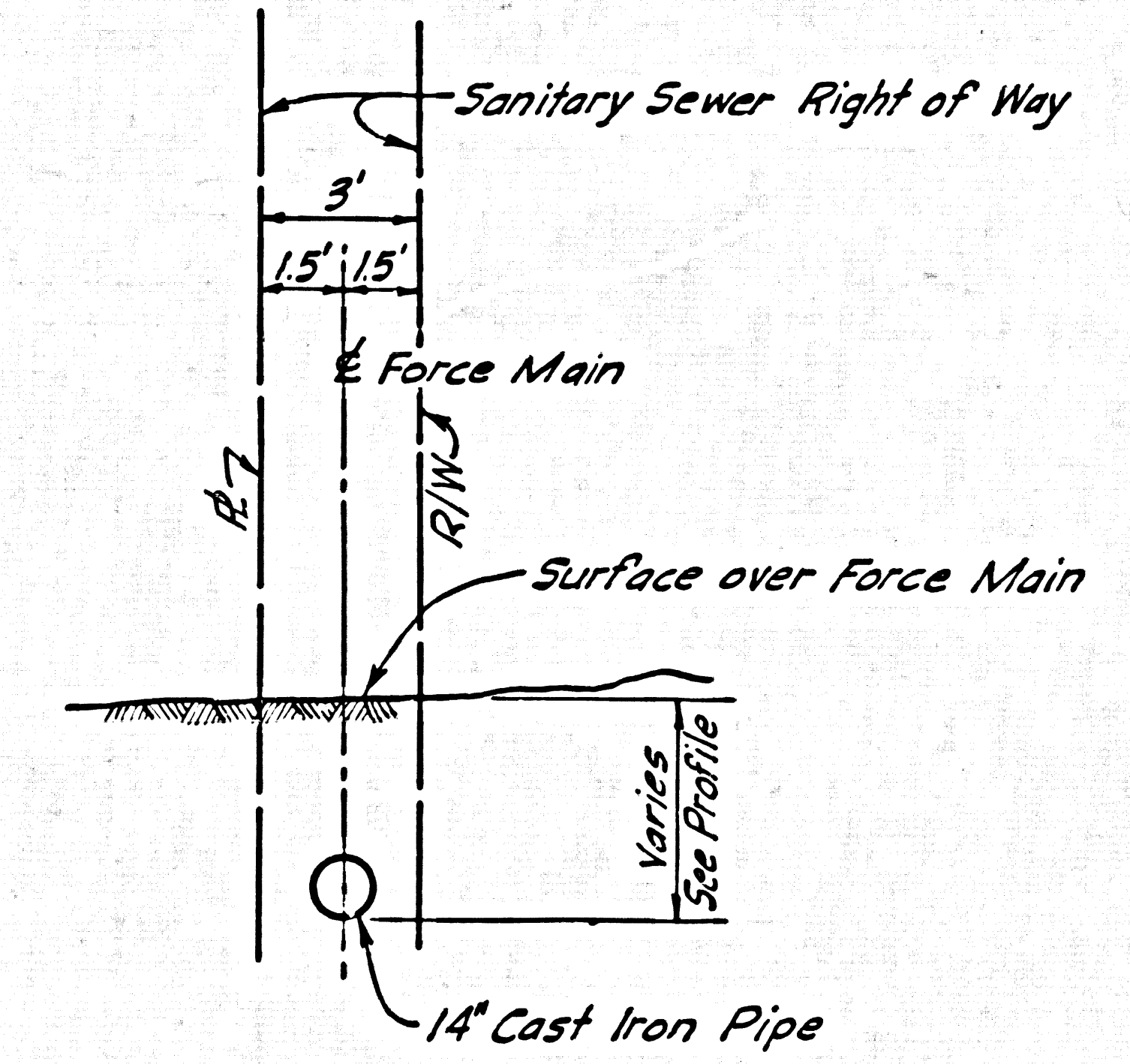
FORCE MAIN
NO CONNECTIONS
DOUBLE VERTICAL SCALE



FORCE MAIN
NO CONNECTIONS
DOUBLE VERTICAL SCALE

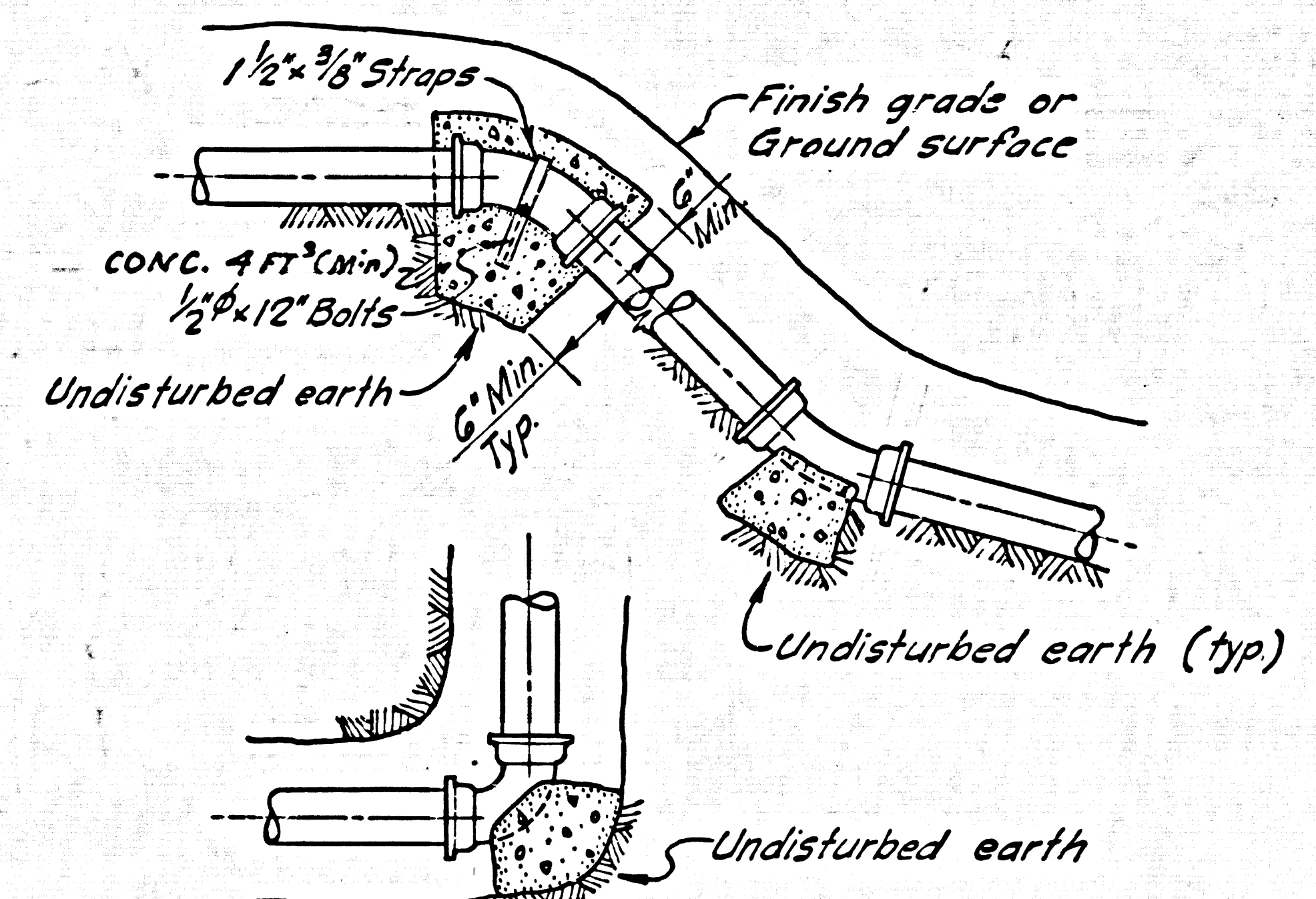


TYPICAL SECTION 1
Scale: 1" = 4'



TYPICAL SECTION 2
Scale: 1" = 4'

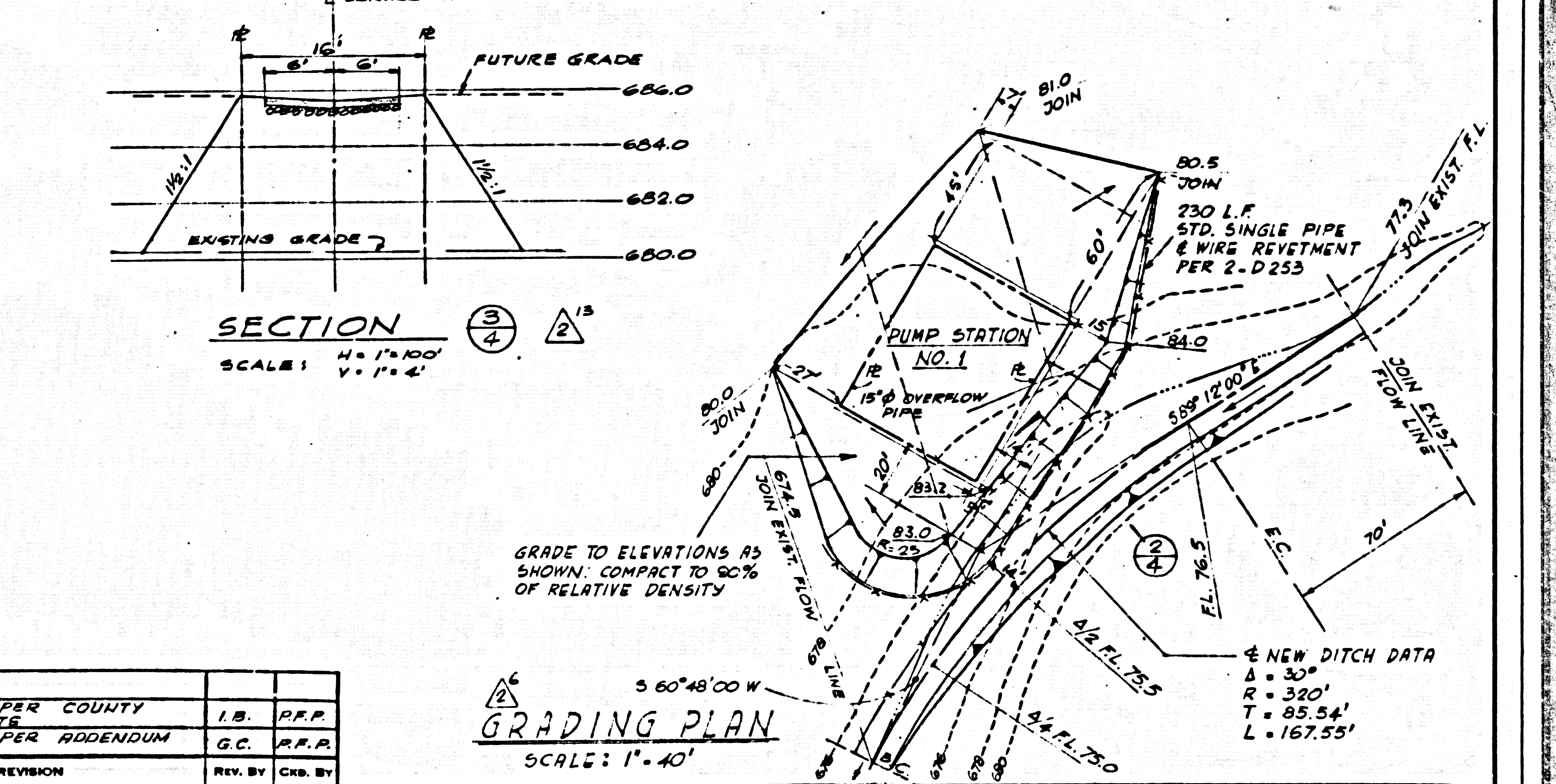
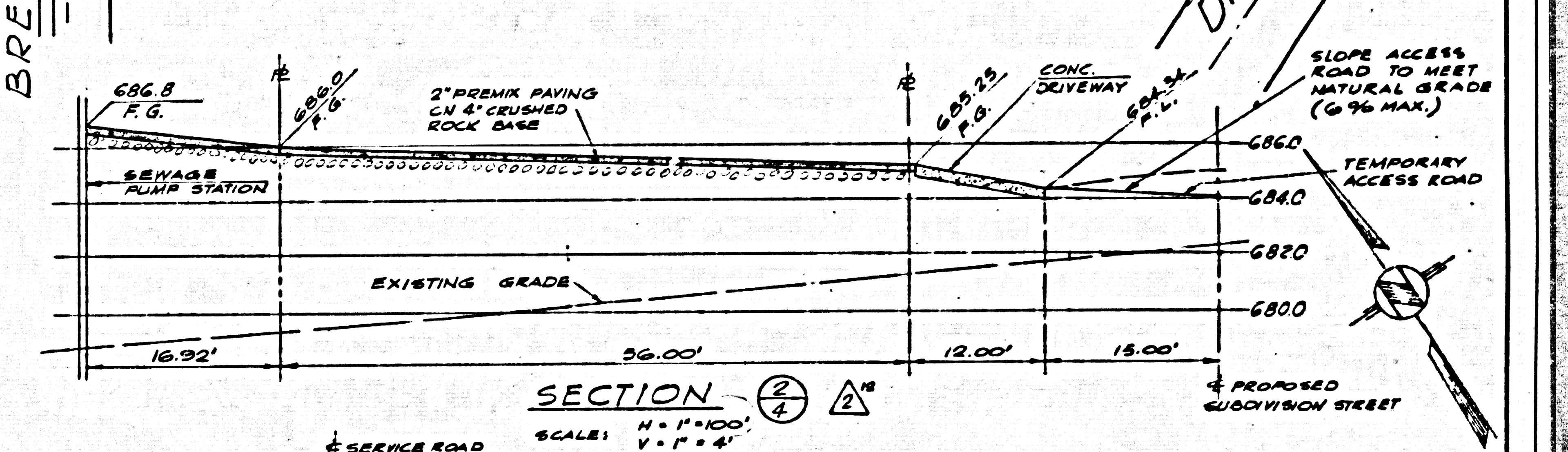
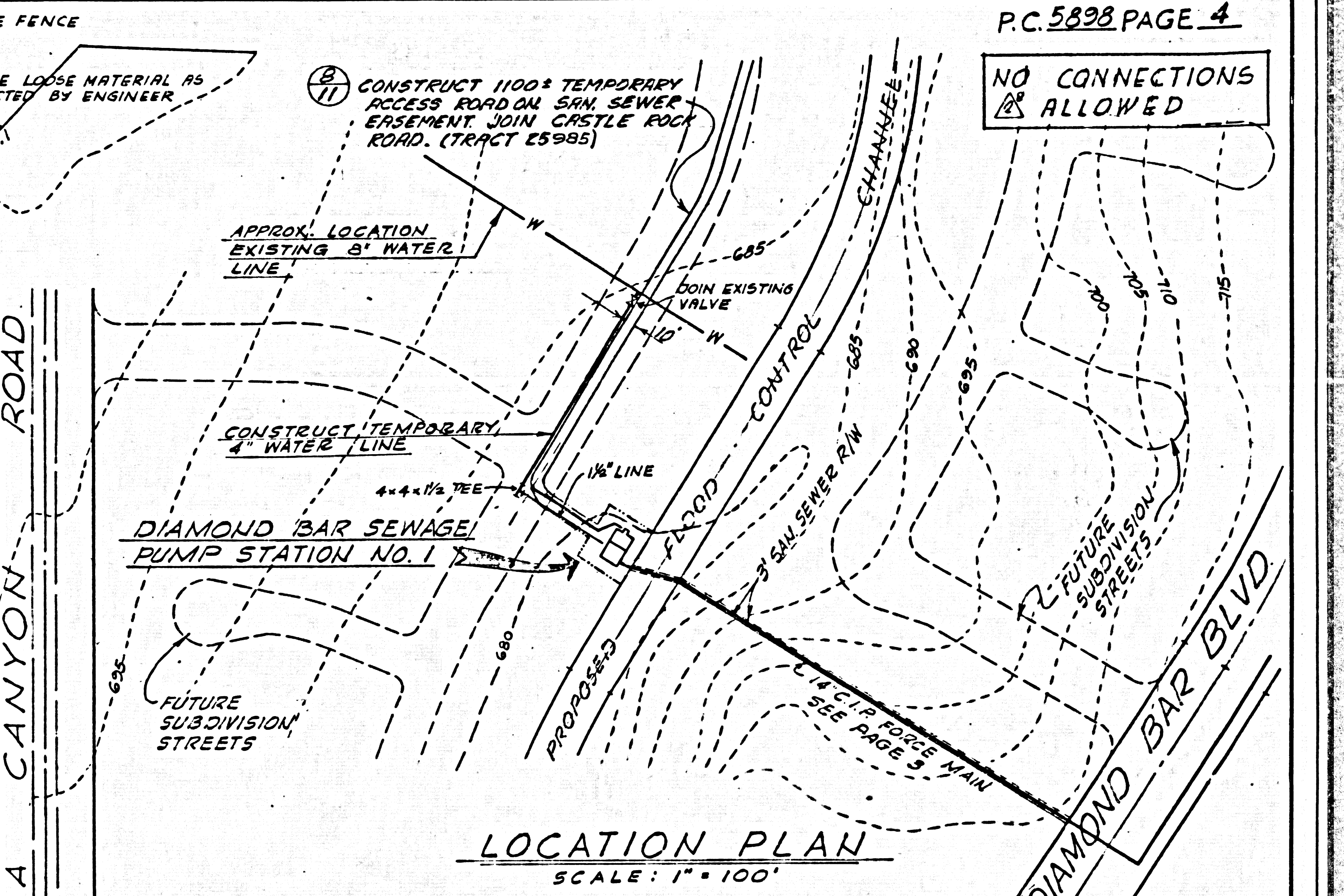
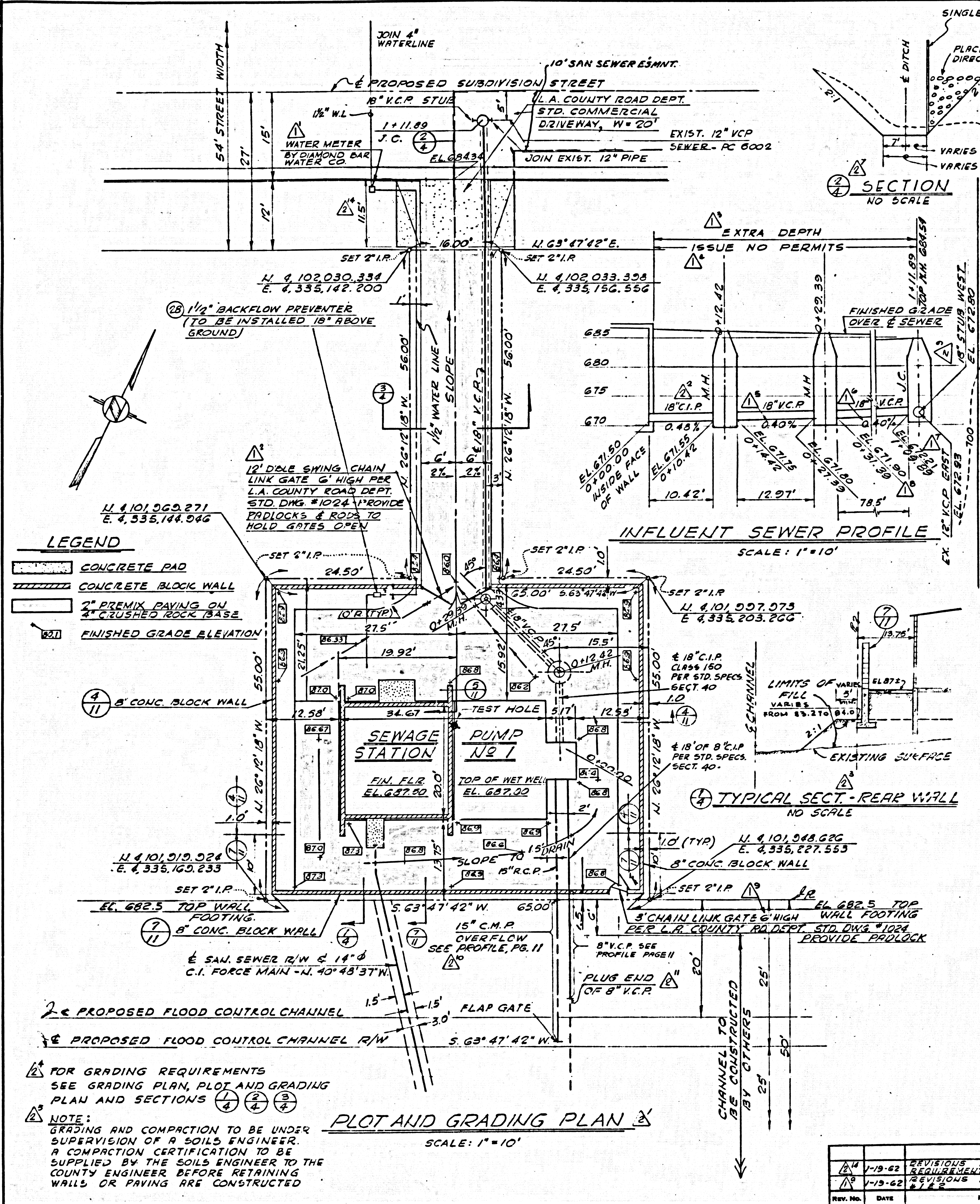
PIPE SIZE	1/4 BEND	1/8 BEND	1/16 BEND
14" C.I.	15 SQ. FT.	7 SQ. FT.	4 SQ. FT.



TYPICAL THRUST BLOCK DETAILS
No Scale:

REVISIONS				
Symbol	Date	Description	By	Chk'd
1/8	12-8-61	General Revision - Plan and Profile	G.C.	P.F.
1/8	1-19-62	Revised Stations	I.B.	

NO CONNECTIONS ALLOWED



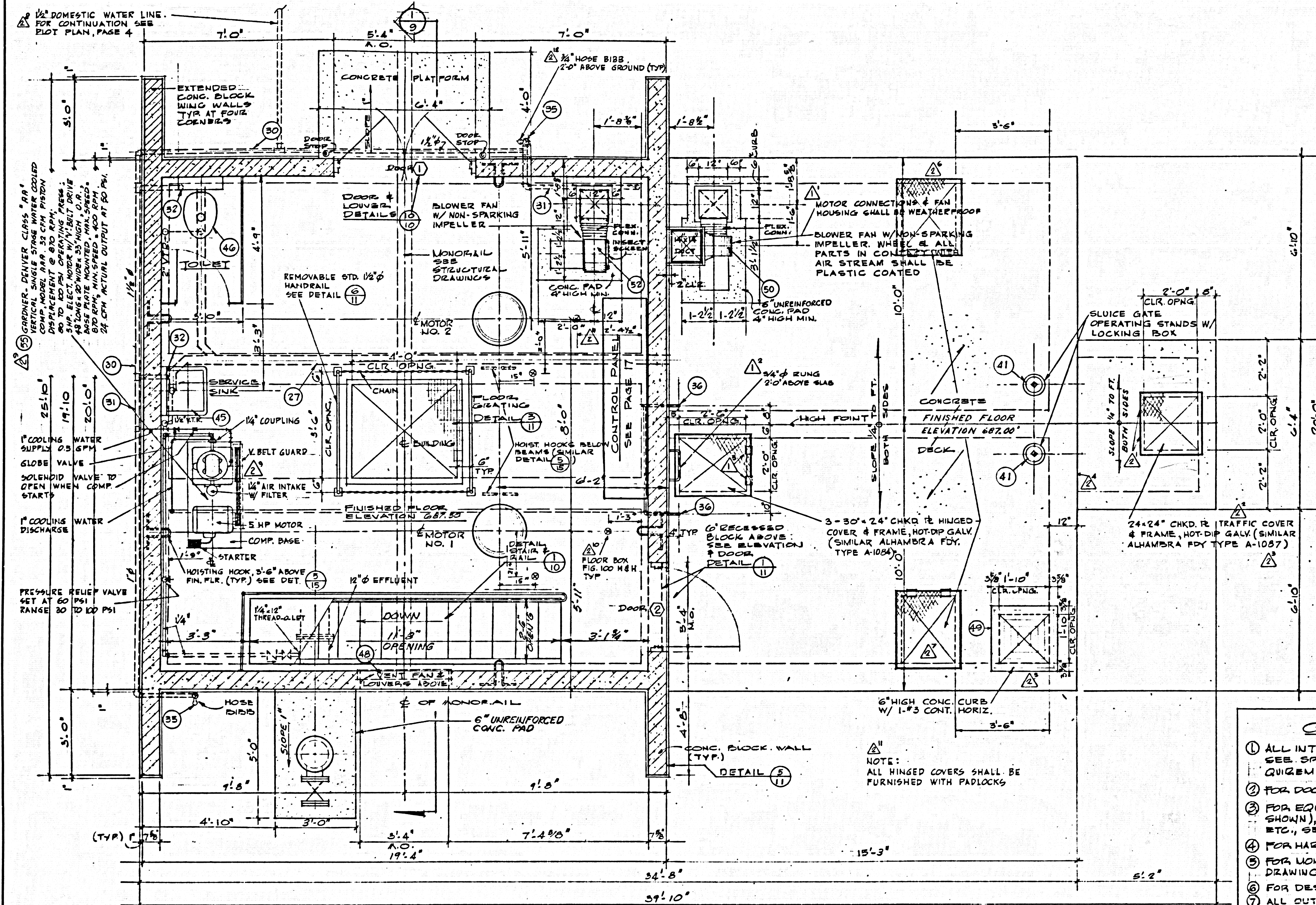
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1	1-19-62	REVISIONS PER COUNTY REQUIREMENTS	I.B.	P.P.F.
2	1-13-62	REVISIONS PER ADDENDUM #1 & #2	G.C.	P.P.F.

QUINTON ENGINEERS, LTD.
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Los Angeles, California

CAPITAL COMPANY
Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
PLOT & LOCATION PLANS

DESIGNED BY I. BUBOW	APPROVED BY H. W. Lauer	PROJECT NO. 59509B
DRAWN BY C. KURTZ	DATE NOV 8 - 1961	SHEET NO. C-1
CHECKED BY P. F. FEILER		



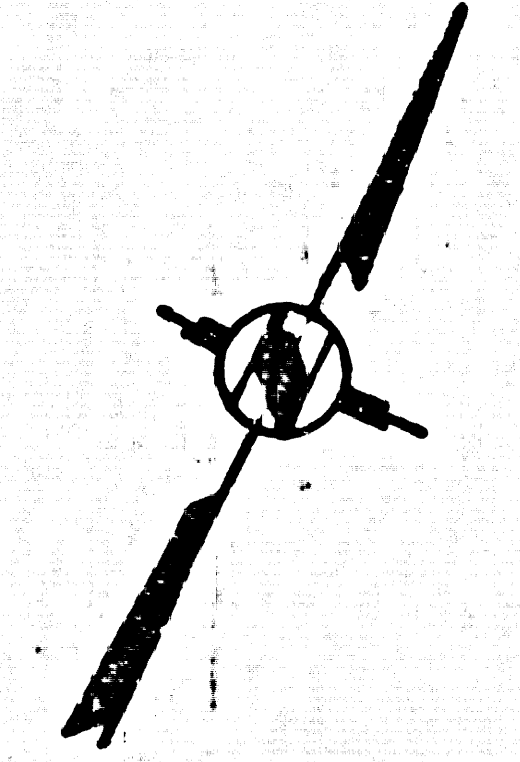
FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTE: FOR PLAN AT VELL AREAS SEE SECTIONAL PLAN (1)

BUBBLE REFERENCE KEY:

(4) NUMBER OF DETAIL OR SECTION

(6) PAGE NUMBER ON WHICH DETAIL APPEARS



- GENERAL NOTES**
- 1 ALL INTERIOR FINISHES ARE EXPOSED - SEE SPECIFICATIONS FOR PAINTING REQUIREMENTS.
 - 2 FOR DOOR TYPES & SIZES; SEE DOOR DETAILS.
 - 3 FOR EQUIPMENT POSITIONS, (OTHER THAN THOSE SHOWN), AND THEIR SUPPORTING PADS, ATTACHMENTS, ETC., SEE MECH, STRUCTURAL, & ELEC. DWGS.
 - 4 FOR HARDWARE FOR DOORS. SEE SPECS.
 - 5 FOR MONORAIL & ATTACHMENTS; SEE STRUCTURAL DRAWINGS.
 - 6 FOR DESCRIPTION OF EQUIPMENT SEE PAGE 8.
 - 7 ALL OUTSIDE HINGED COVERS SHALL BE PADLOCKED.
 - 8 PROVIDE & INSTALL PROPER HAND FIRE EXTINGUISHERS AT ALL FLOOR LEVELS, TO SUIT CONDITIONS.

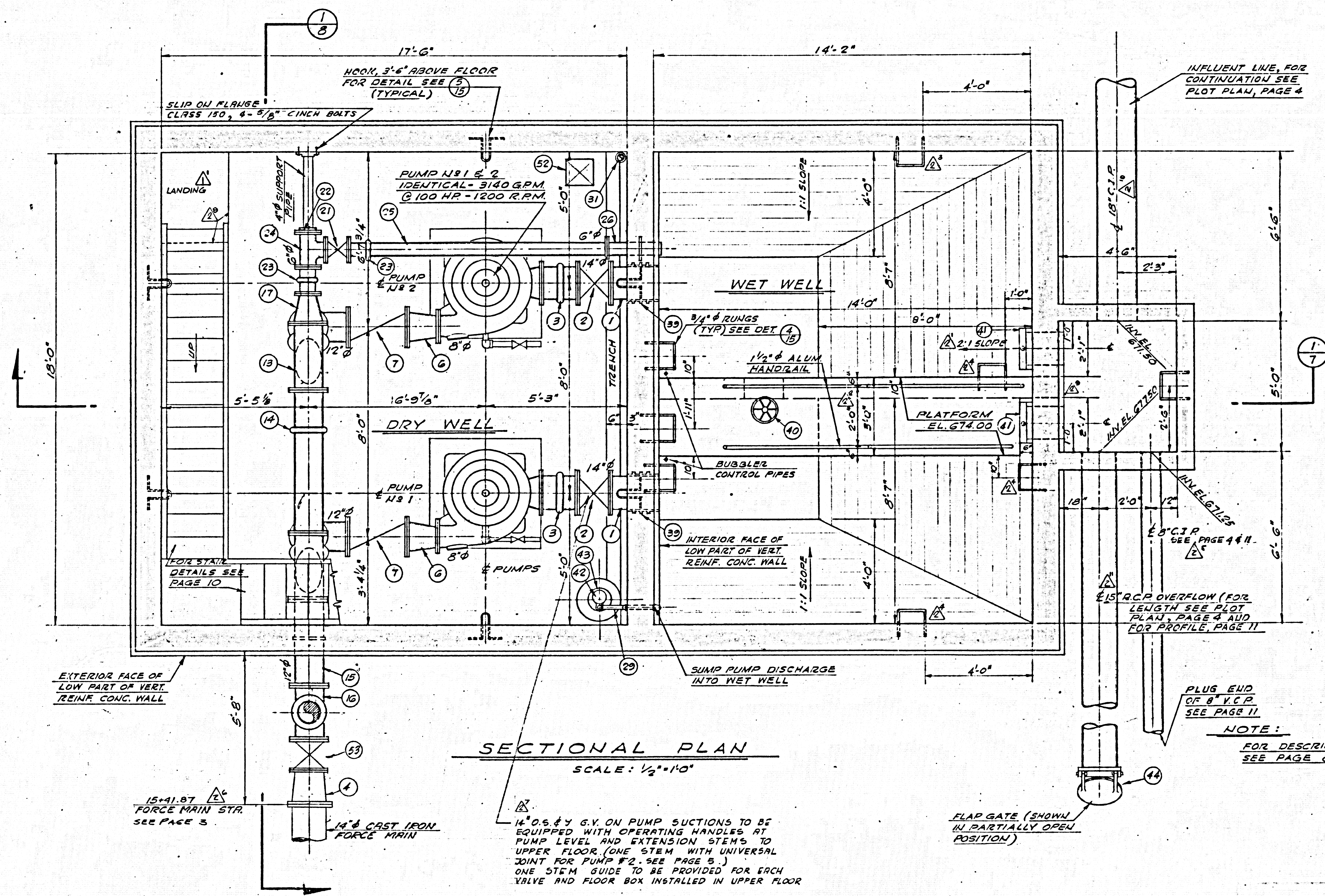
1-19-62	REVISIONS PER COUNTY REQUIREMENTS	I.B. P.F.R.
1-19-62	REVISIONS PER ALHAMBRA CITY	G.C. P.F.R.

REV. NO.	DATE	REVISION	REV. BY	CHK. BY
DESIGNED BY	CHAPMAN	APPROVED	<i>W. L. ...</i>	595095
DRAWN BY	MONTELEONE	DATE	NOV 8 - 1961	M-1

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Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
FLOOR PLAN

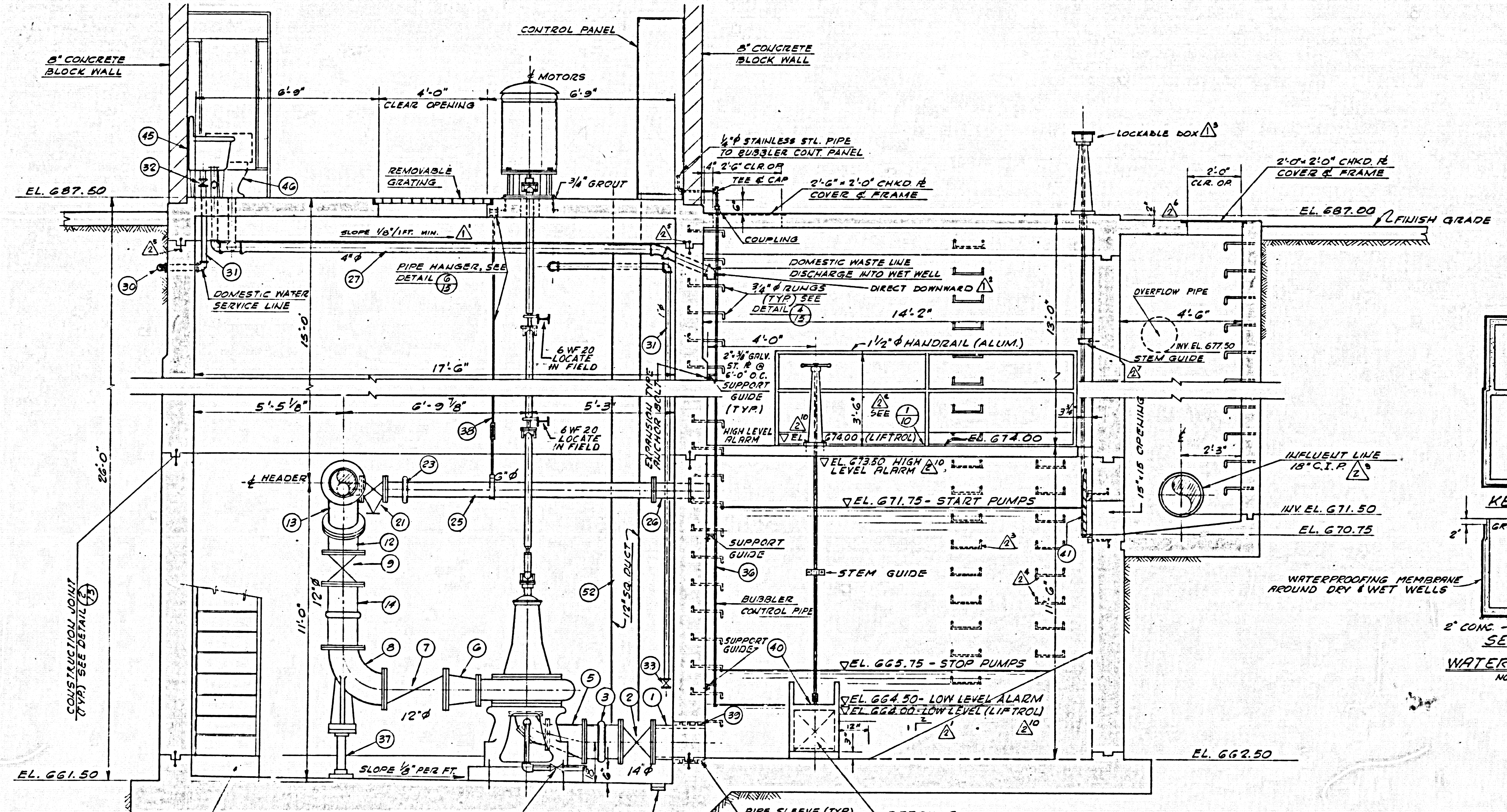


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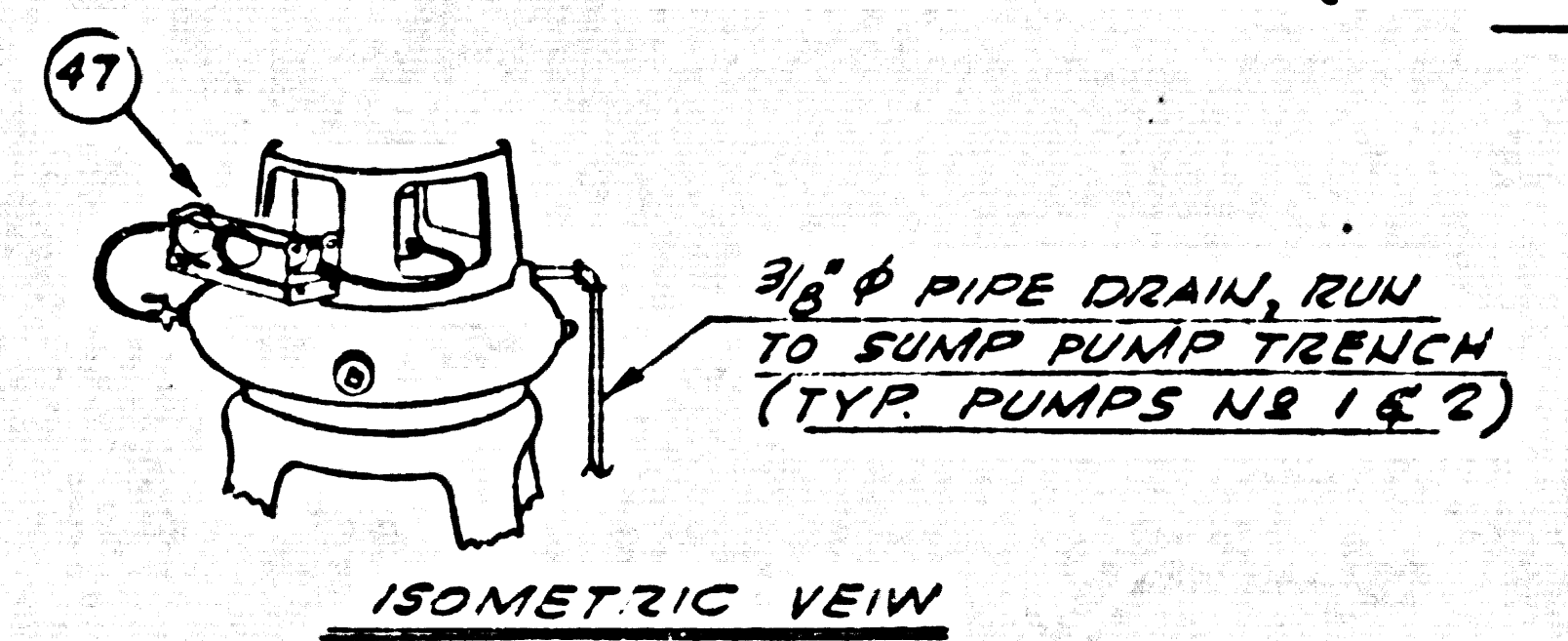
CAPITAL COMPANY
Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
MECHANICAL
SECTIONAL PLAN

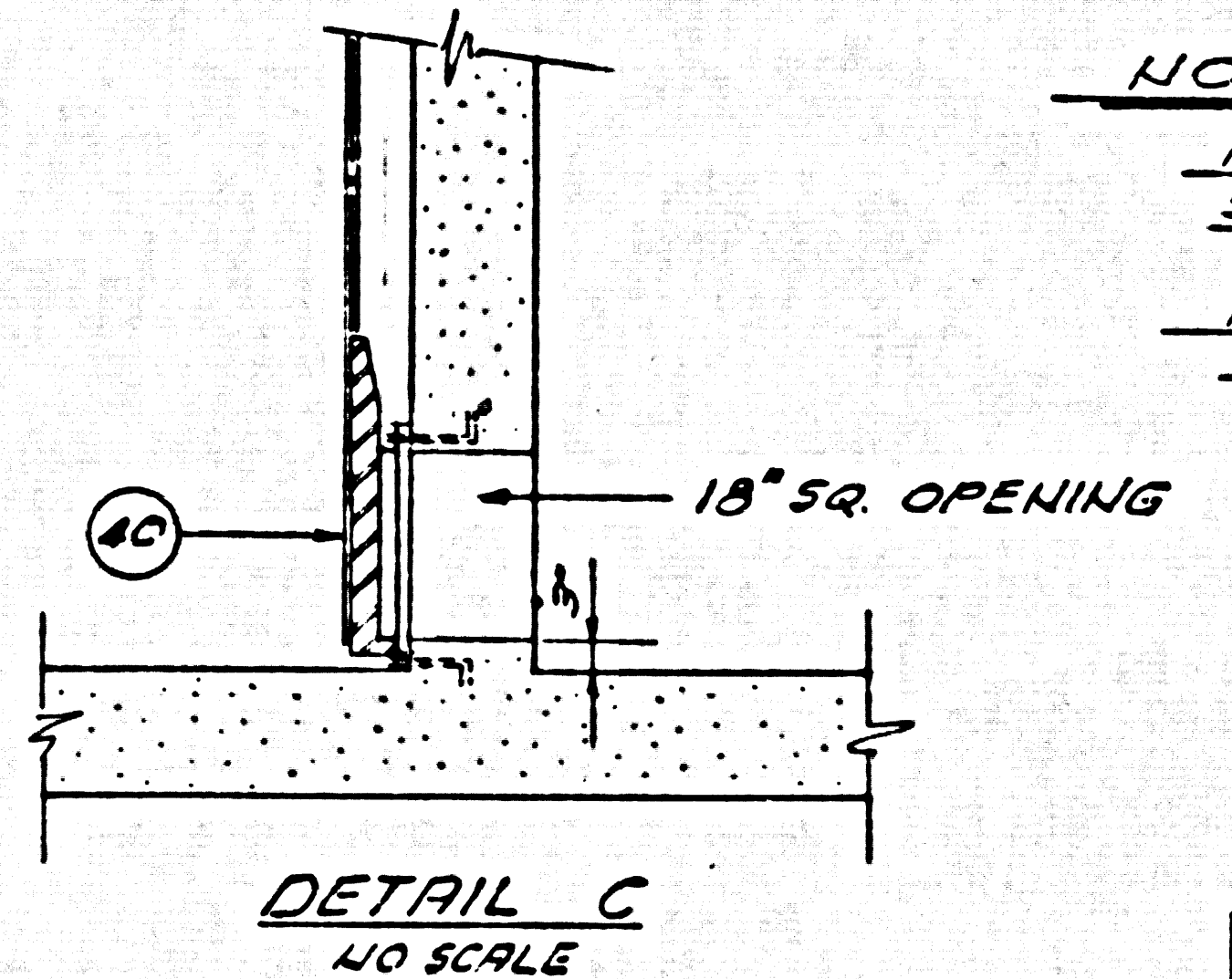
REV. NO.	DATE	REVISION	REV. BY	CHK. BY
1	1-13-62	REVISIONS PER COUNTY REQUIREMENTS	I.B.	RRR
2	1-13-62	REVISIONS PER ADDENDUM #1 & 2	G.C.	RRR
DESIGNED BY	DATE	DRAWN	CHECKED	APP. NO.
I. BUBOW	NOV 8 - 1961	C. KURTZ	R. F. FEILER	395098
				REV. NO. M-2



LONGITUDINAL SECTION (1)
 SCALE: 1/2" = 1'-0"

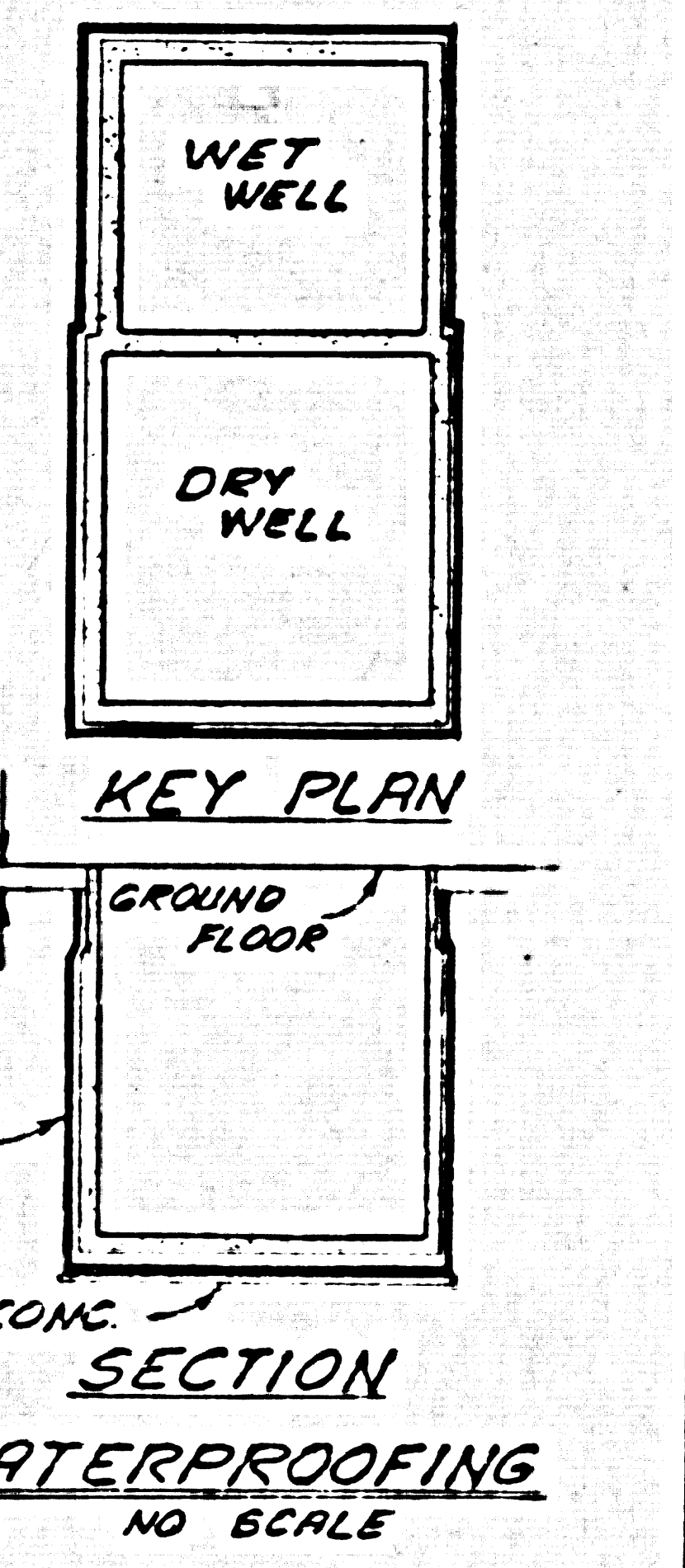


GREASE SEAL FOR PUMPS (2)
 NO SCALE



DETAIL C
 NO SCALE

NOTE:
 FOR DESCRIPTION OF EQUIPMENT
 SEE PAGE 6
 PROVIDE APPROVED PRIMING DEVICE
 FOR EACH PUMP



KEY PLAN
 SECTION
WATERPROOFING
 NO SCALE

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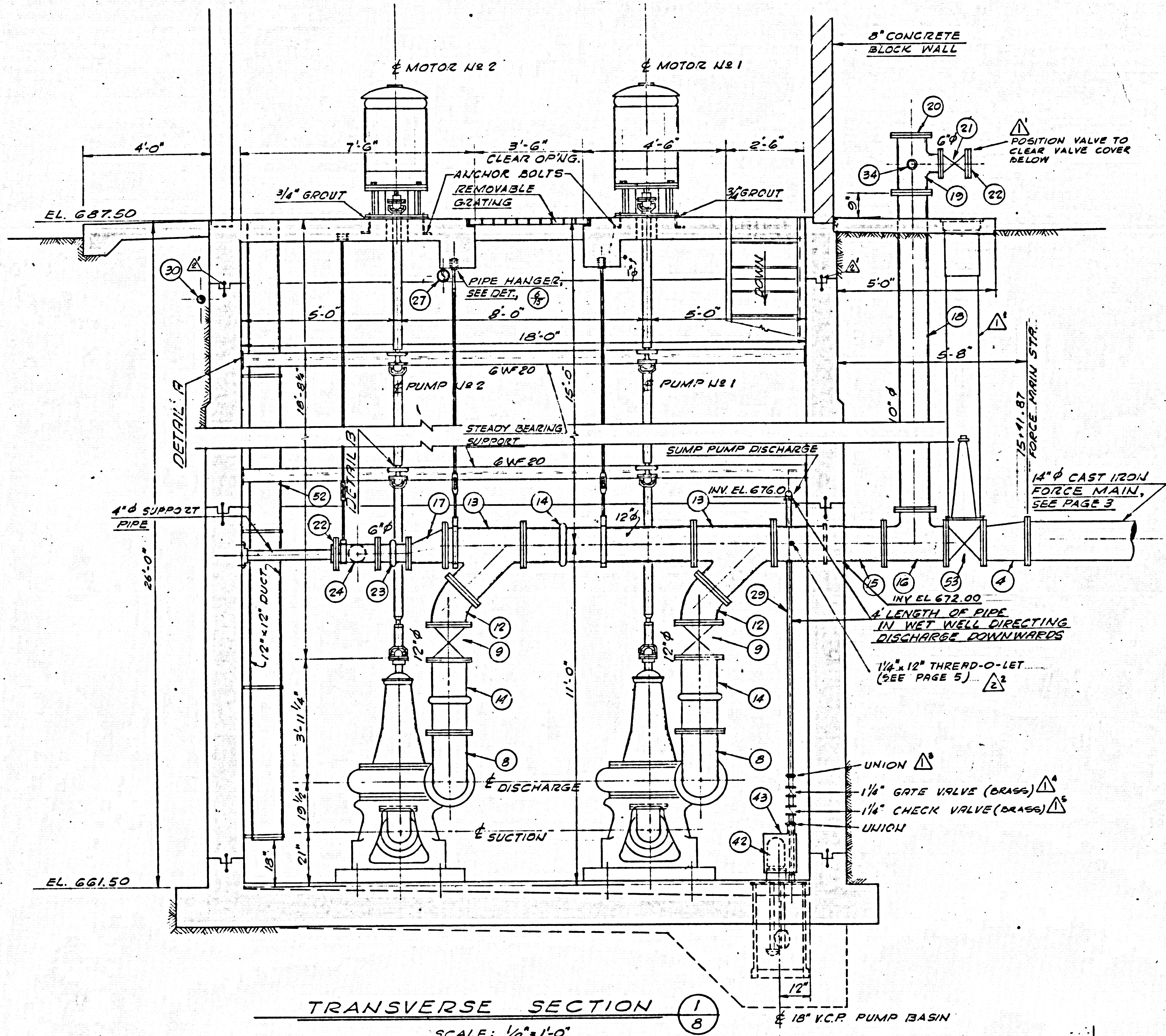
CAPITAL COMPANY
 Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
MECHANICAL
LONGITUDINAL SECTION

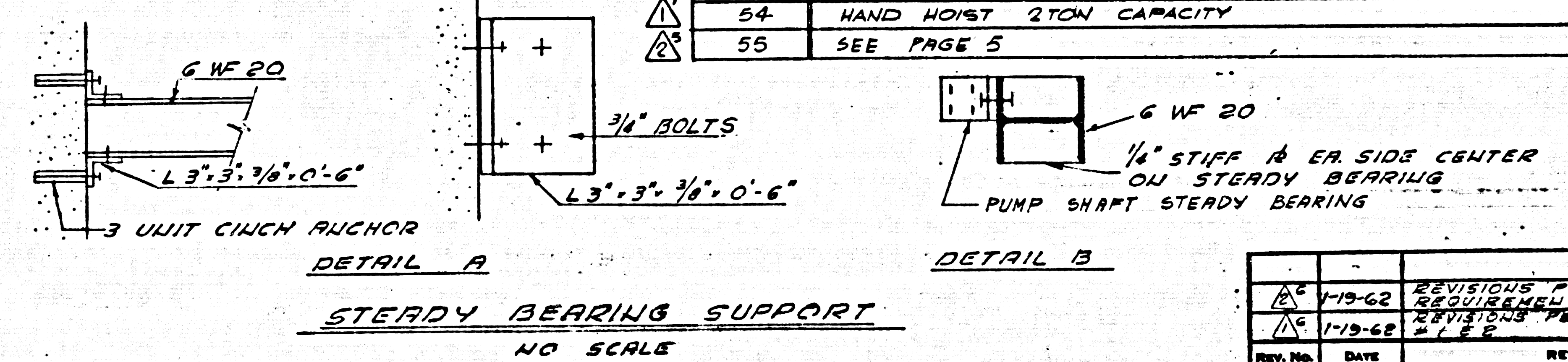
REV. NO.	DATE	REVISION	REV. BY	CHK. BY
1	1-19-62	REVISIONS PER COUNTY REQUIREMENTS	I.B. RRR	
2	1-19-62	REVISIONS PER ADDENDUM #1 & 2	G.C. RRR	
3				
4				

DESIGNED BY I. BUBOW	CHECKED BY G. KURZE	DATE NOV 8 - 1961	PROJECT NO. 59509B
DRAWN BY P.F. PFEILER		SCALE M-3	REV. NO. 3

441 A-2



DESCRIPTION OF EQUIPMENT	
ITEM NO.	EQUIPMENT
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2	14\"/>
3	14\"/>
4	14\"/>
5	14\"/>
6	12\"/>
7	12\"/>
8	12\"/>
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26	6\"/>
27	4\"/>
28	1 1/2\"/>
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30	1 1/2\"/>
31	1\"/>
32	1\"/>
33	1\"/>
34	1\"/>
35	3/4\"/>
36	1/4\"/>
37	BASE ELBOW PIPE SUPPORT
38	PIPE HANGER ASSEMBLY
39	NICKEL ALLOY C.I. WALL SLEEVES
40	18\"/>
41	15\"/>
42	SUMP PUMP (YEOMAN'S 'DRAIN-DRI', 1/2 HP, 1750 R.P.M.)
43	SUMP PUMP DIVING BELL - SEE SPECIFICATIONS
44	16\"/>
45	SERVICE SINK - 22\"/>
46	WATERCLOSET, FLOOR STANDING - SEE SPECIFICATIONS
47	PUMP GREASE SEAL (COVER IN SPECIFICATIONS)
48	VENT FAN (BUFFALO NO. 24-DG5-1150 HEAVY DUTY NY PROPELLER FAN 5050 CFM, 1/4\"/>
49	FRESH AIR INTAKE HOOD (PENN DOMEK 'AIRETTE' 22\"/>
50	EXHAUSTER (BUFFALO BELTED VENT SET. NO. 175E 1350 CFM, 3/8\"/>
51	EXHAUSTER (BREIDERT TYPE F AIR X-HAUSTER SIZE 14)
52	BLOWER (BUFFALO BELTED VENT SET. NO. 175E 1350 CFM, 3/8\"/>
53	12\"/>
54	HAND HOIST 2TON CAPACITY
55	SEE PAGE 5



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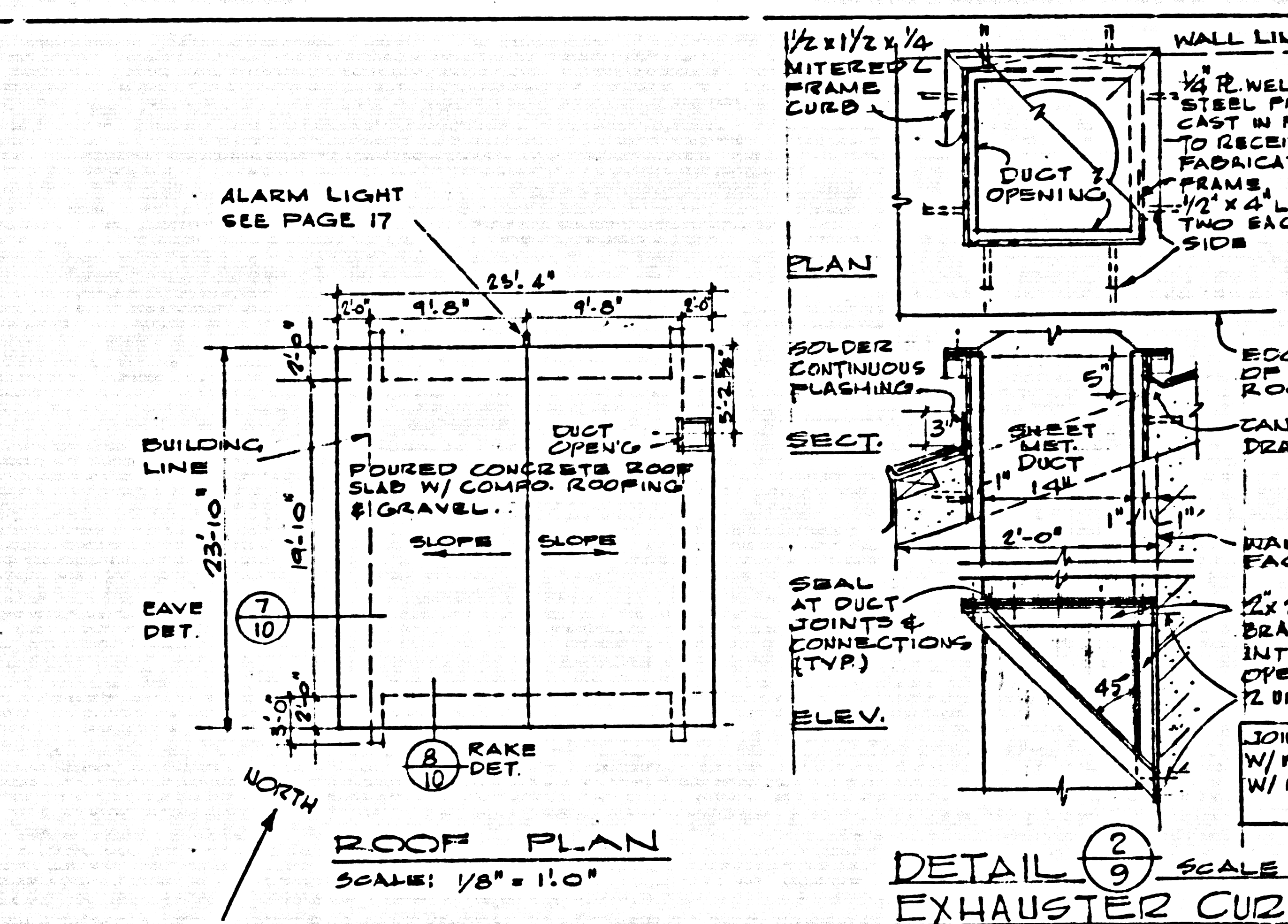
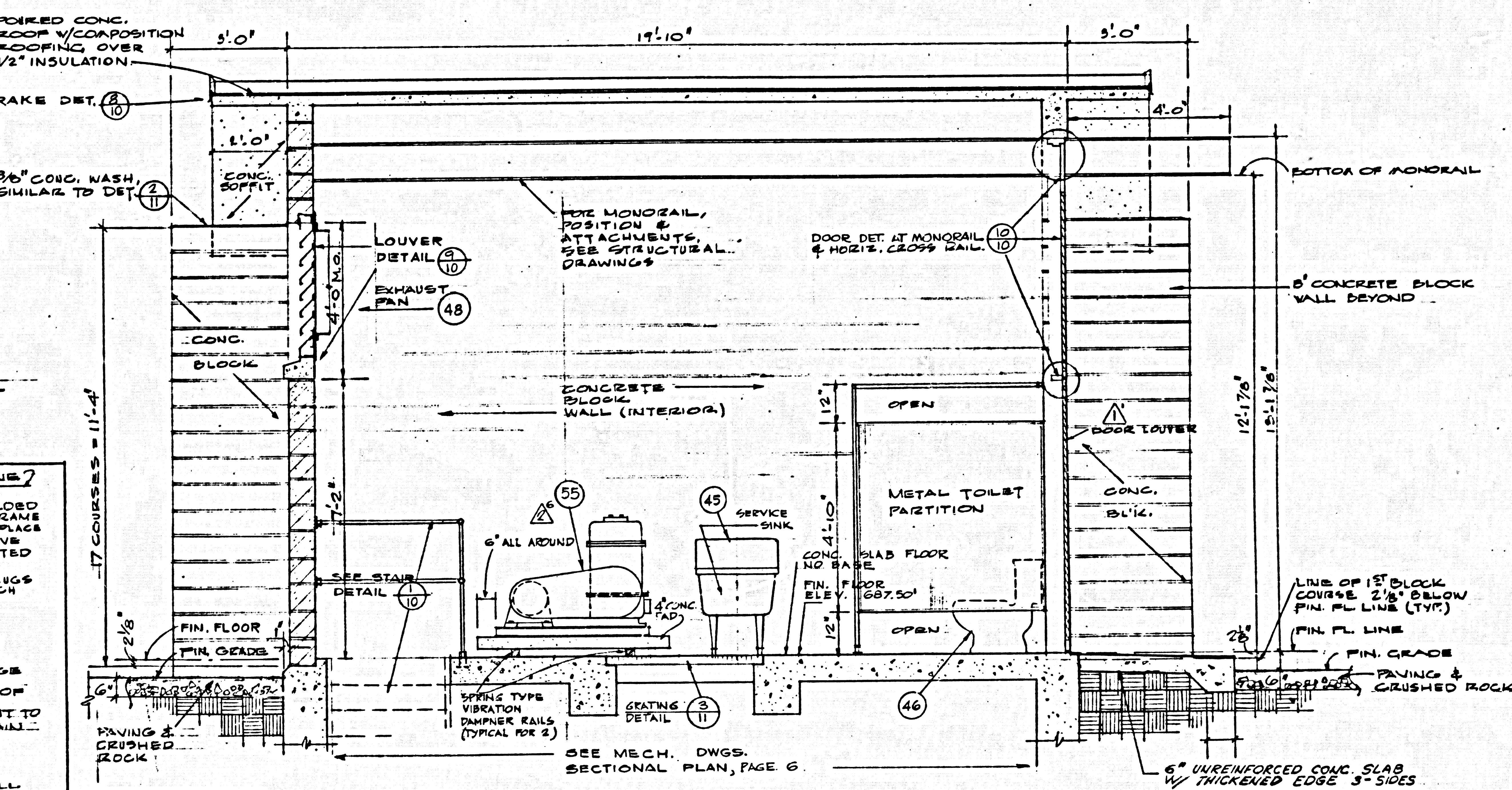
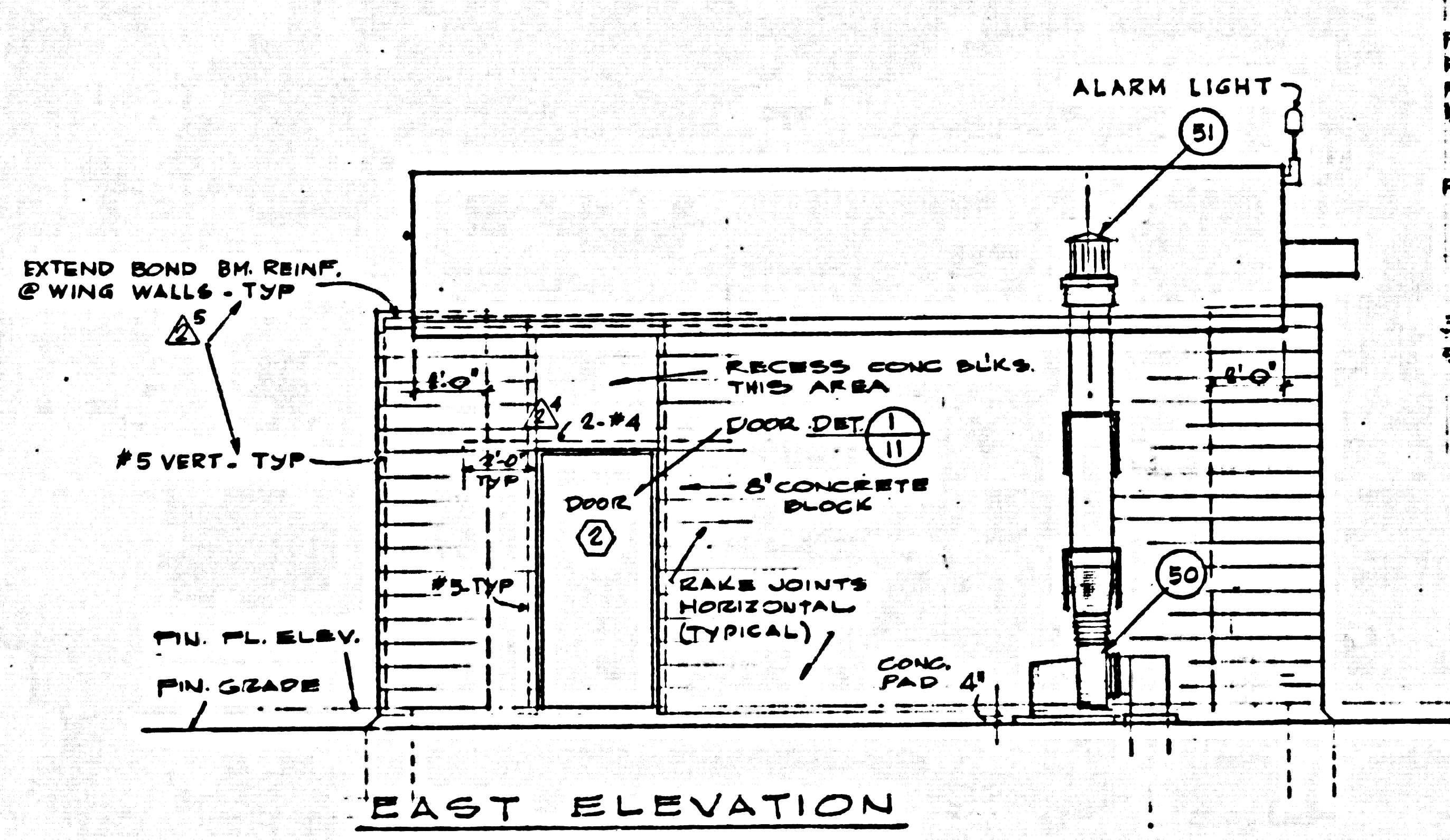
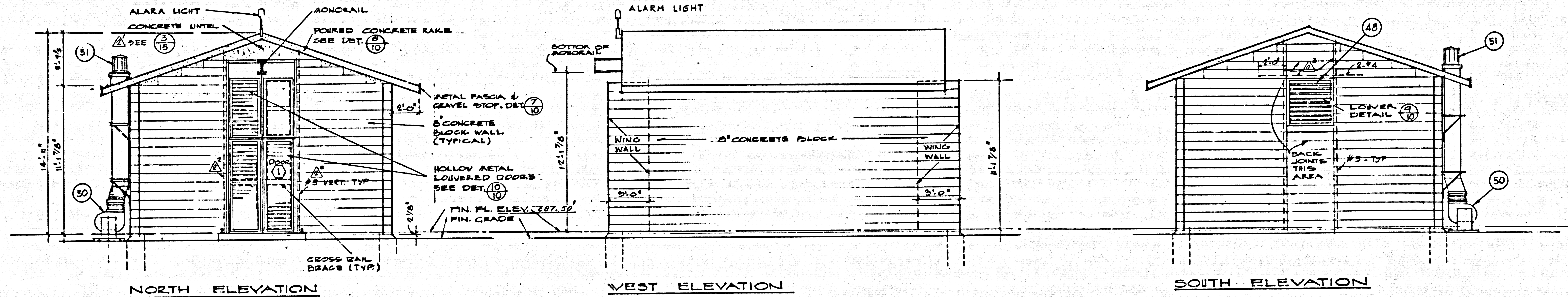
CAPITAL COMPANY
 Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
MECHANICAL
TRANSVERSE SECTION
& DESCRIPTION OF EQUIPMENT

REV. NO.	DATE	REVISION	REV. BY	CHK. BY
1	1-13-62	REVISIONS PER COUNTY	I.B.	R.P.F.
2	1-13-62	REVISIONS PER ADDENDUM #1 & 2	G.C.	R.P.F.

DESIGNED BY I. SUBON	APPROVED BY <i>[Signature]</i>	NO. 505098
DRAWN BY C. KURTZ	DATE NOV 8 - 1961	REV. NO. M - A
CHECKED BY R.F. FEILER		

Was 117



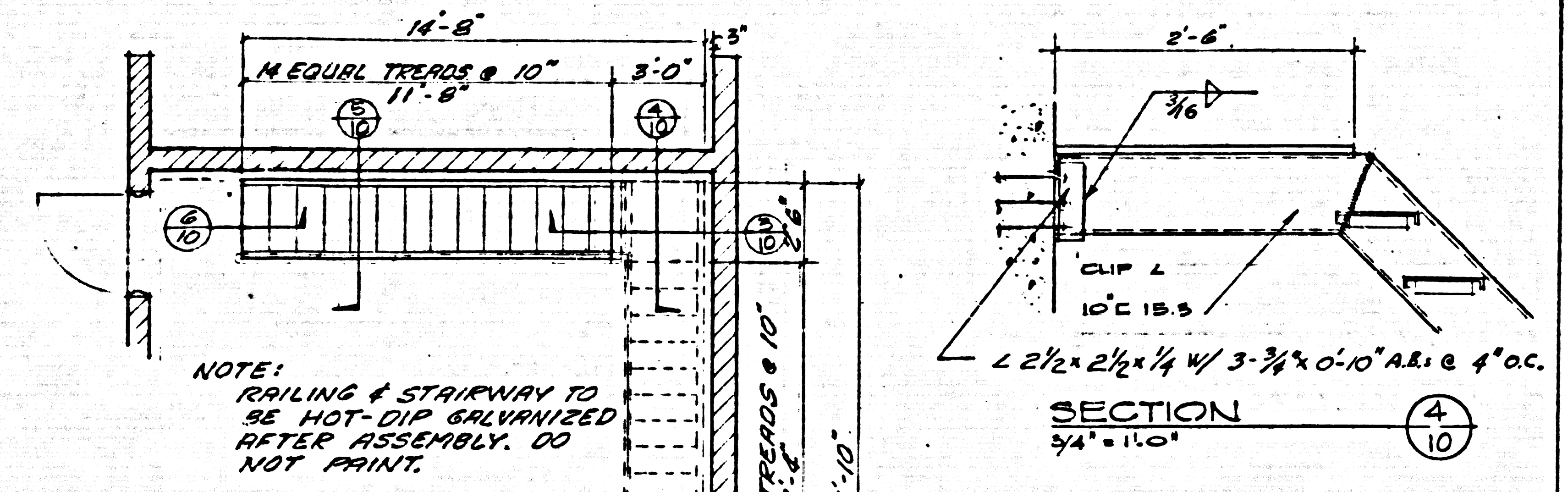
SECTION 1
SCALE 1/2" = 1'-0"

1-19-62	REVISIONS PER COUNTY REQUIREMENTS	LB	RRR
1-19-62	REVISIONS PER ADDENDUM 2, 1, 2	GC	RRR
REV. NO.	DATE	REVISION	REV. BY
DESIGNED	CHAPMAN	APPROVED	H.W. Lohman
DRAWN	LOHMAN	DATE	NOV 8 - 1961
PROJECT	DIAMOND BAR SEWAGE PUMP STATION NO. 1		
	ARCHITECTURAL		
	EXTERIOR ELEVATIONS & SECTION		
JOB NO.	595095		
REV. NO.	A-1		

ONE QUINTON ENGINEERS, LTD.
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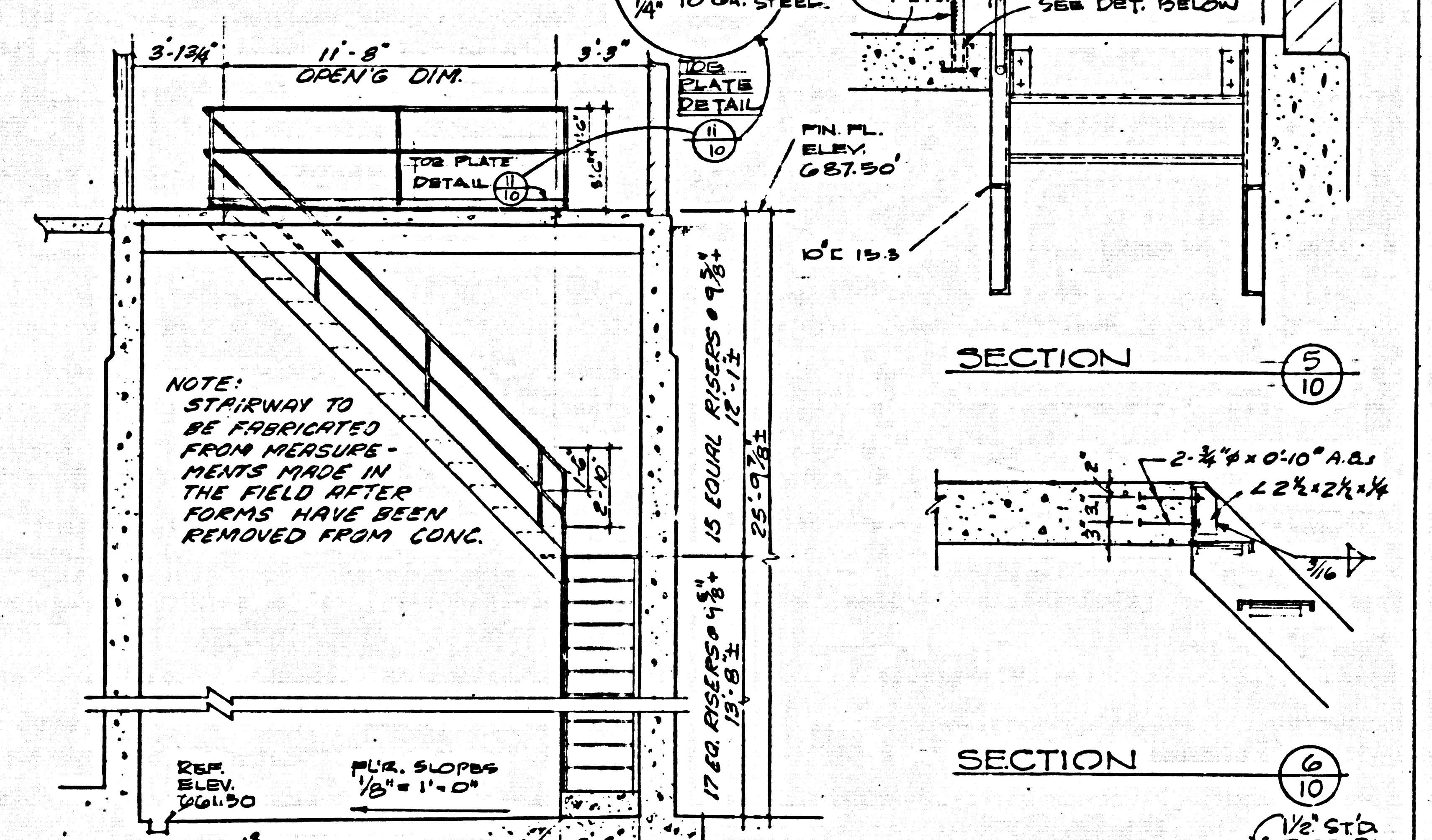
CAPITAL COMPANY
Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
ARCHITECTURAL
EXTERIOR ELEVATIONS & SECTION



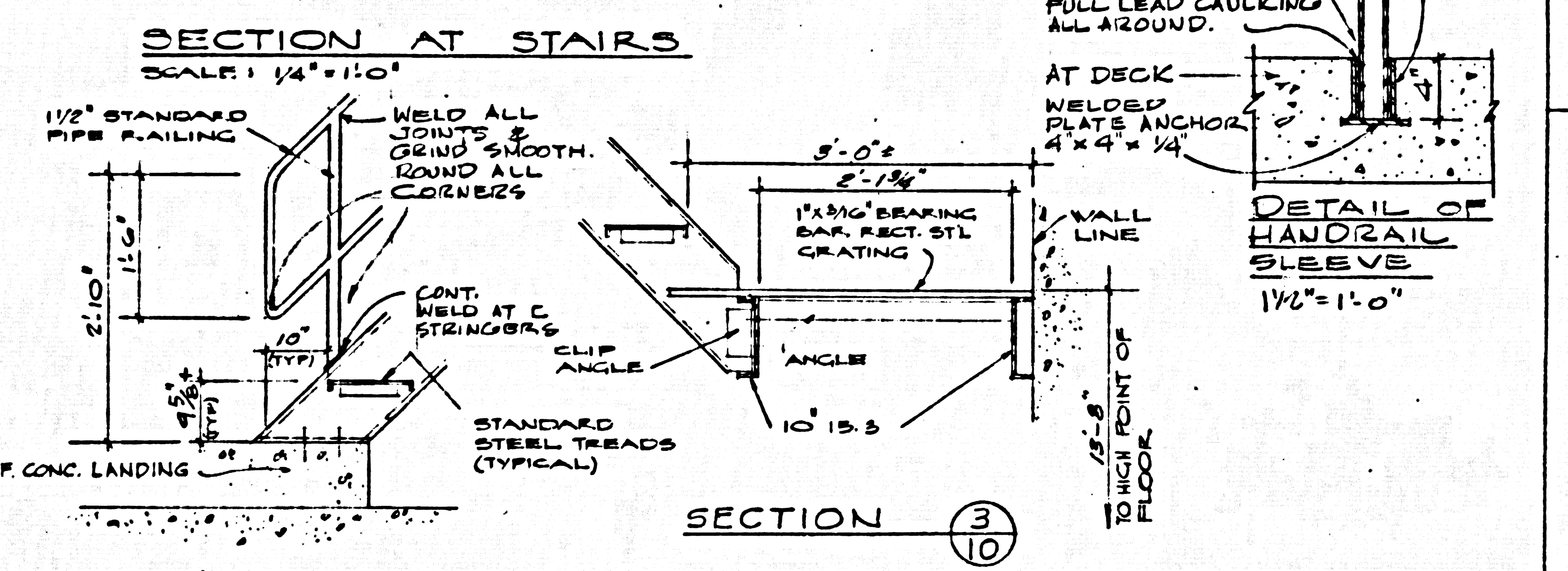
NOTE: RAILING & STAIRWAY TO BE HOT-DIP GALVANIZED AFTER ASSEMBLY. DO NOT PAINT.

PLAN AT STAIRS
SCALE: 1/4" = 1'-0"



SECTION 5
SCALE: 3/4" = 1'-0"

SECTION 6
SCALE: 3/4" = 1'-0"



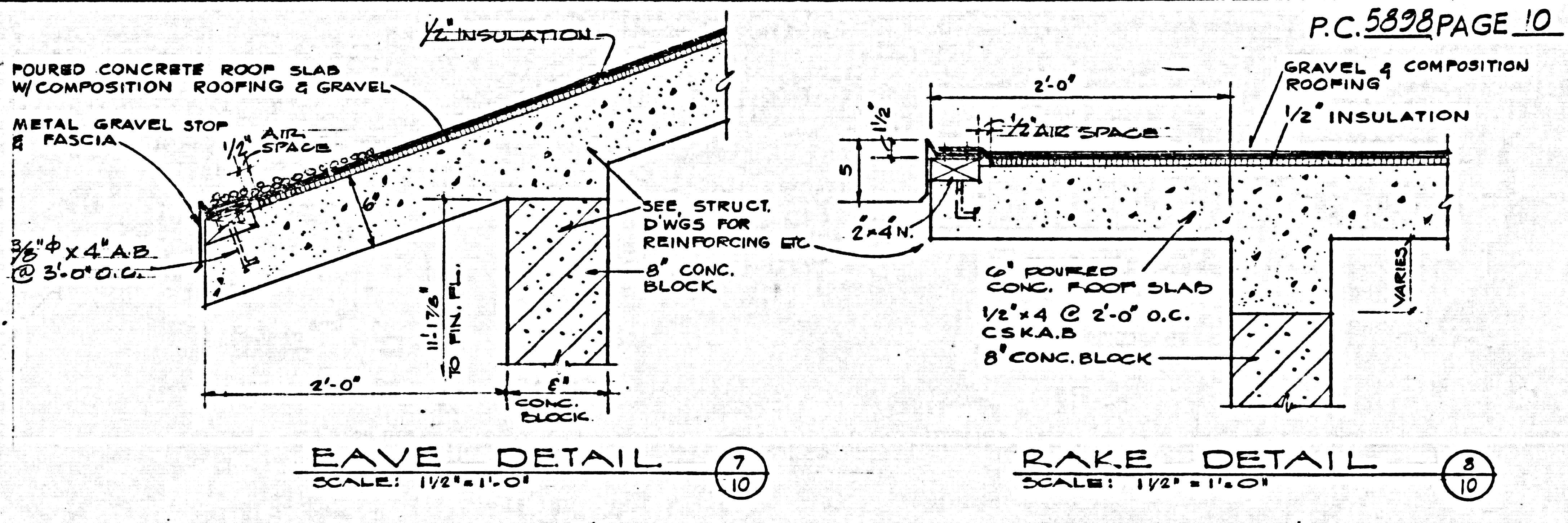
SECTION 2
SCALE: 1/4" = 1'-0"

SECTION 3
SCALE: 1/4" = 1'-0"

DETAIL OF HANDRAIL SLEEVE
1 1/2" x 1'-0"

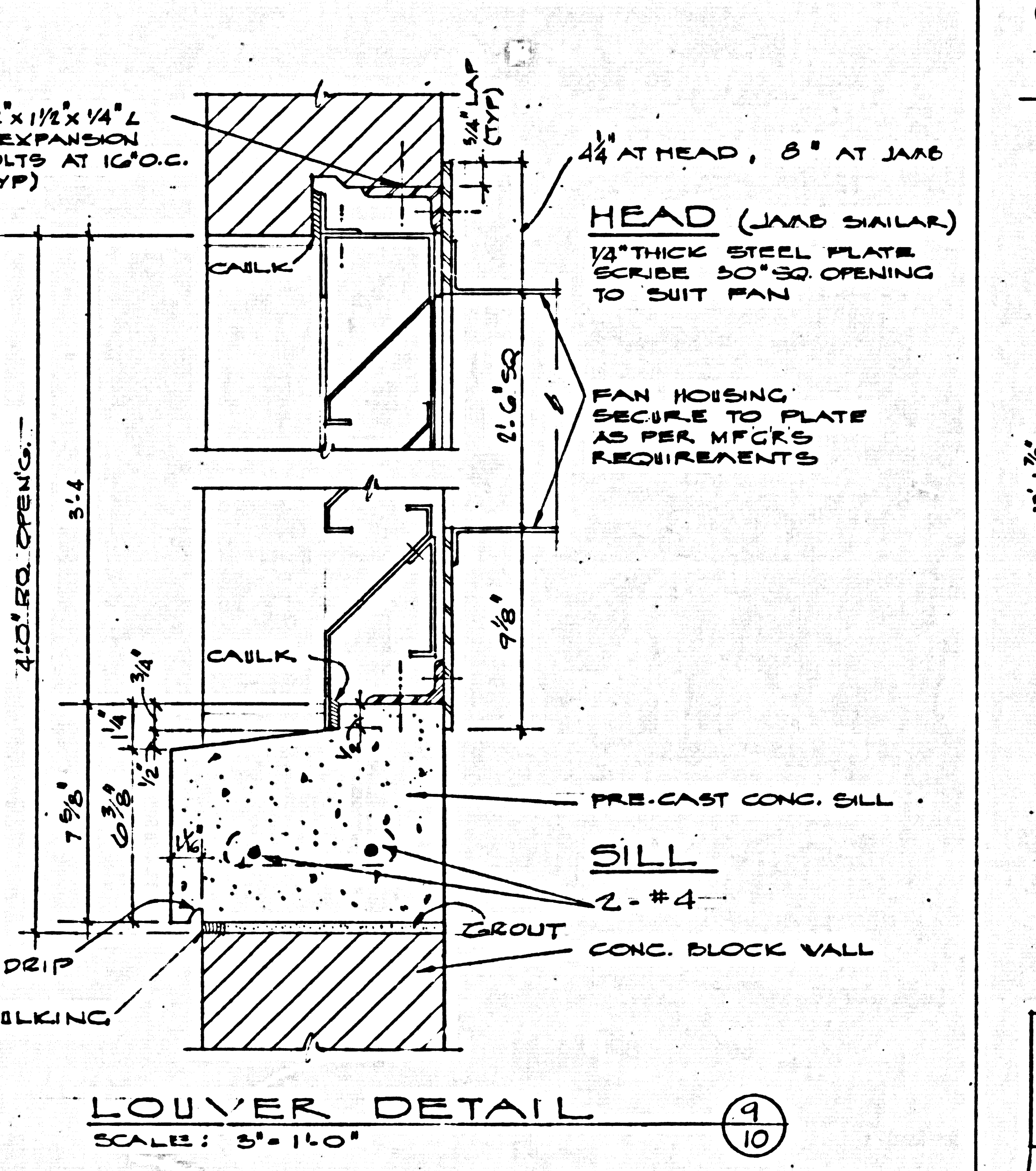
STAIR DETAILS
SCALE: NOTED

REV. NO.	DATE	REVISION	REV. BY	CHK. BY
1	1-19-62	REVISIONS PER COUNTY REQUIREMENTS	I.B.	R.R.
2	1-19-62	REVISIONS PER ADDENDUM 5/12/62	G.C.	R.R.

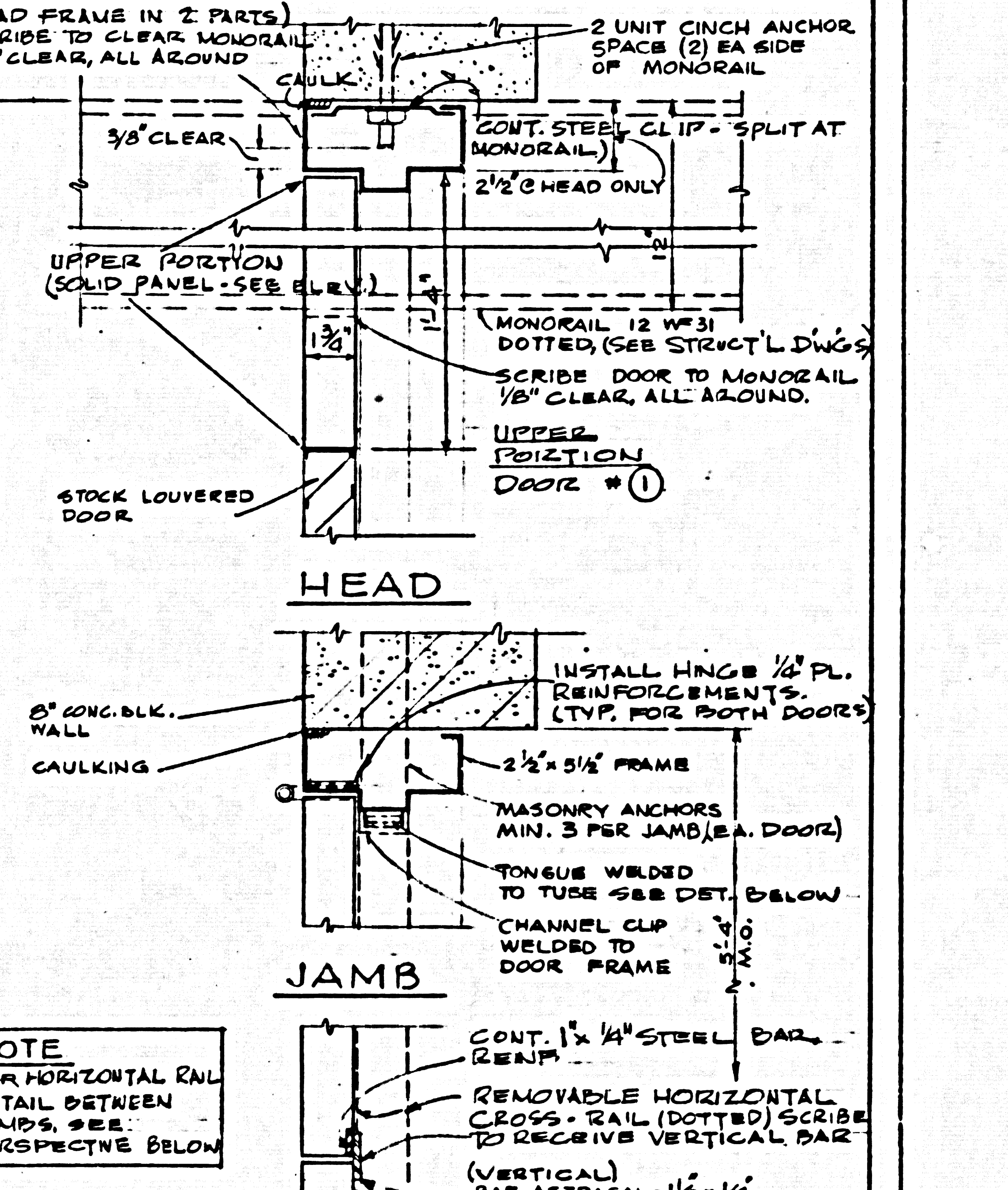


EAVE DETAIL
SCALE: 1/2" = 1'-0"

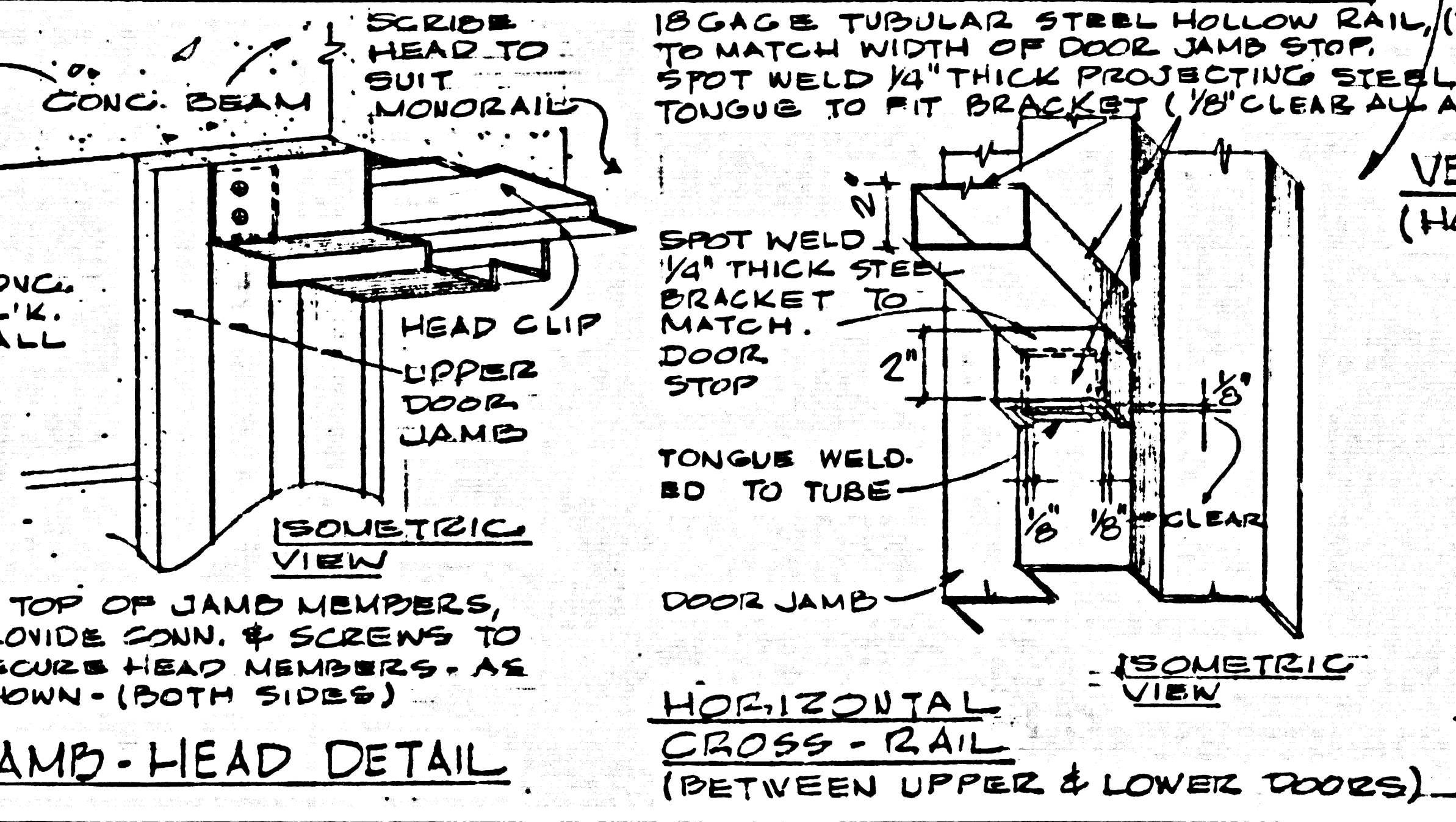
RAKE DETAIL
SCALE: 1/2" = 1'-0"



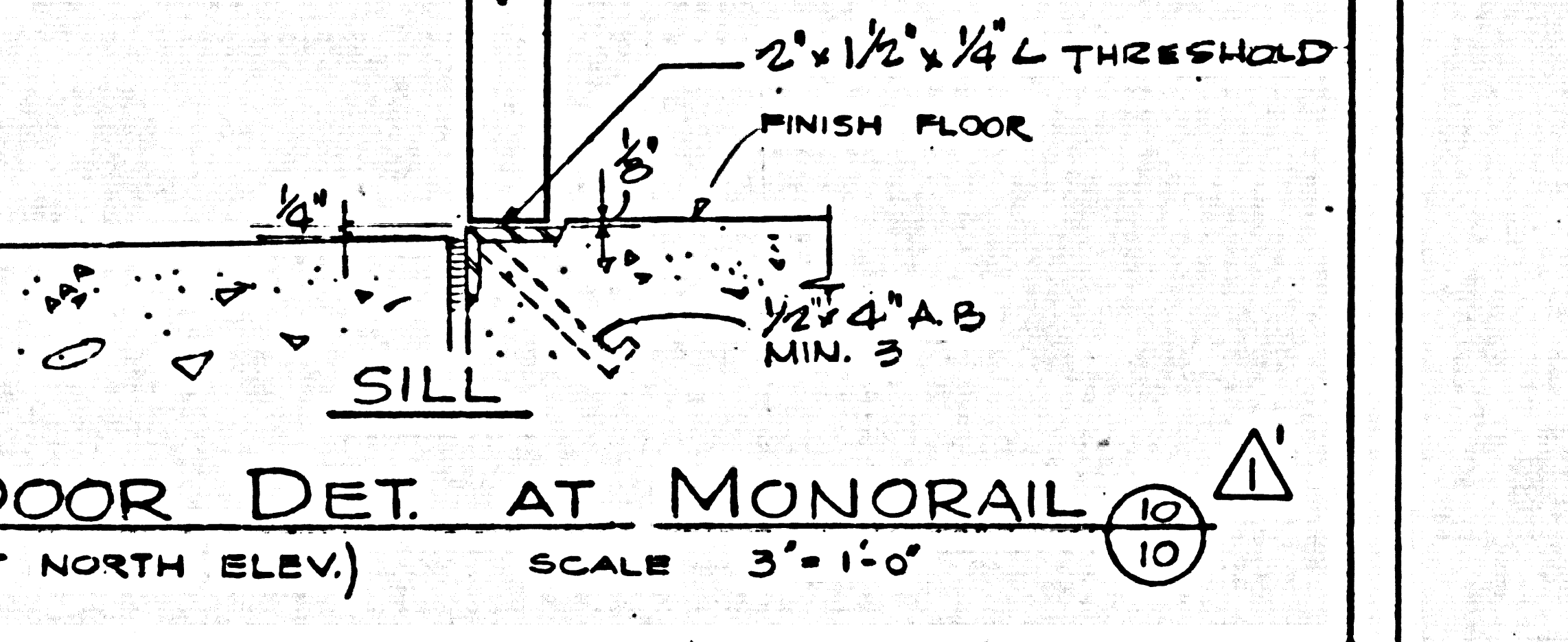
LOUVER DETAIL
SCALE: 3" = 1'-0"



DOOR DET. AT MONORAIL
SCALE 3" = 1'-0"



JAMB-HEAD DETAIL



VERTICAL MEETING STILE (HORIZONTAL STILE SIMILAR)

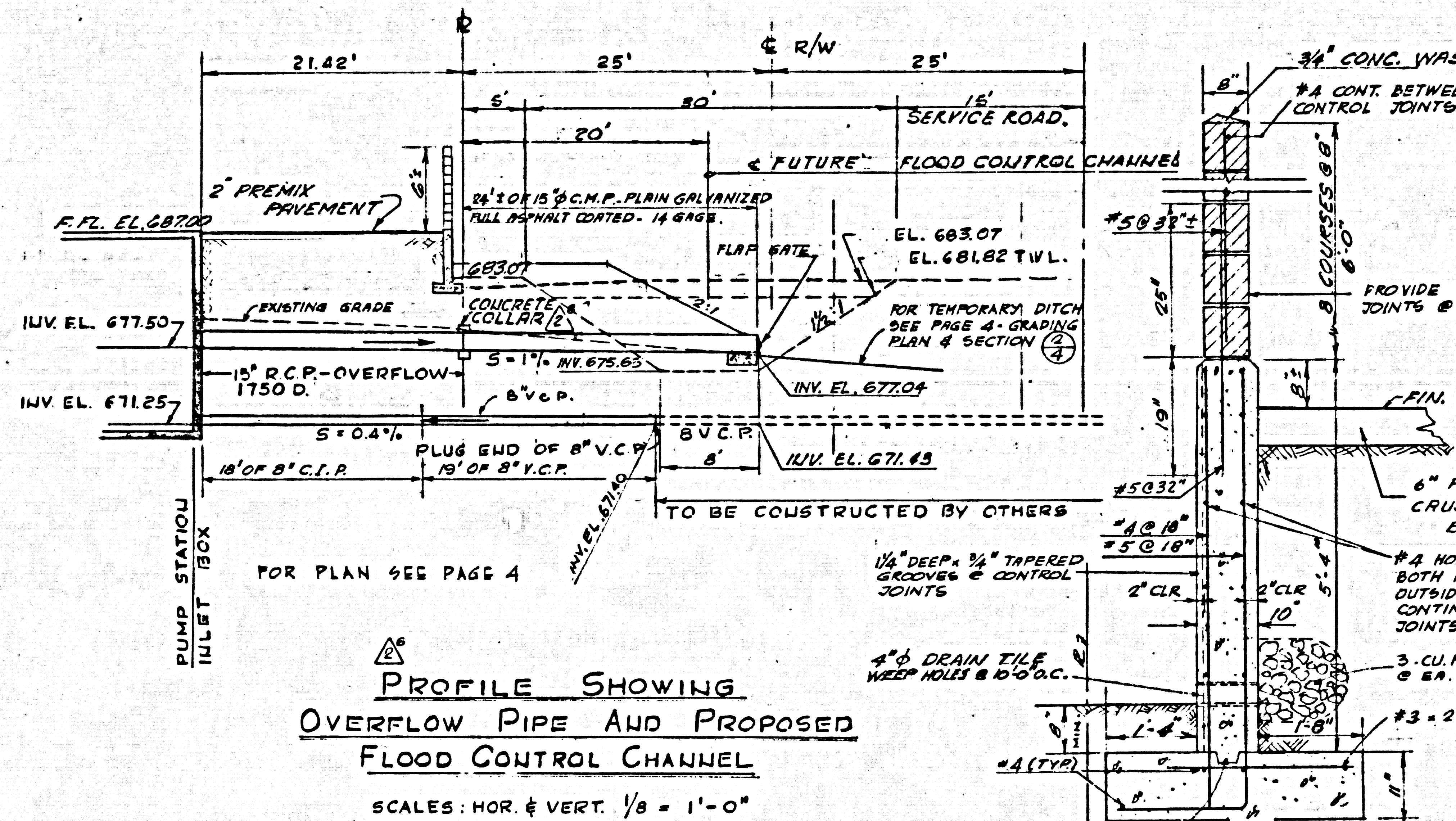
HORIZONTAL CROSS-RAIL (BETWEEN UPPER & LOWER DOORS)

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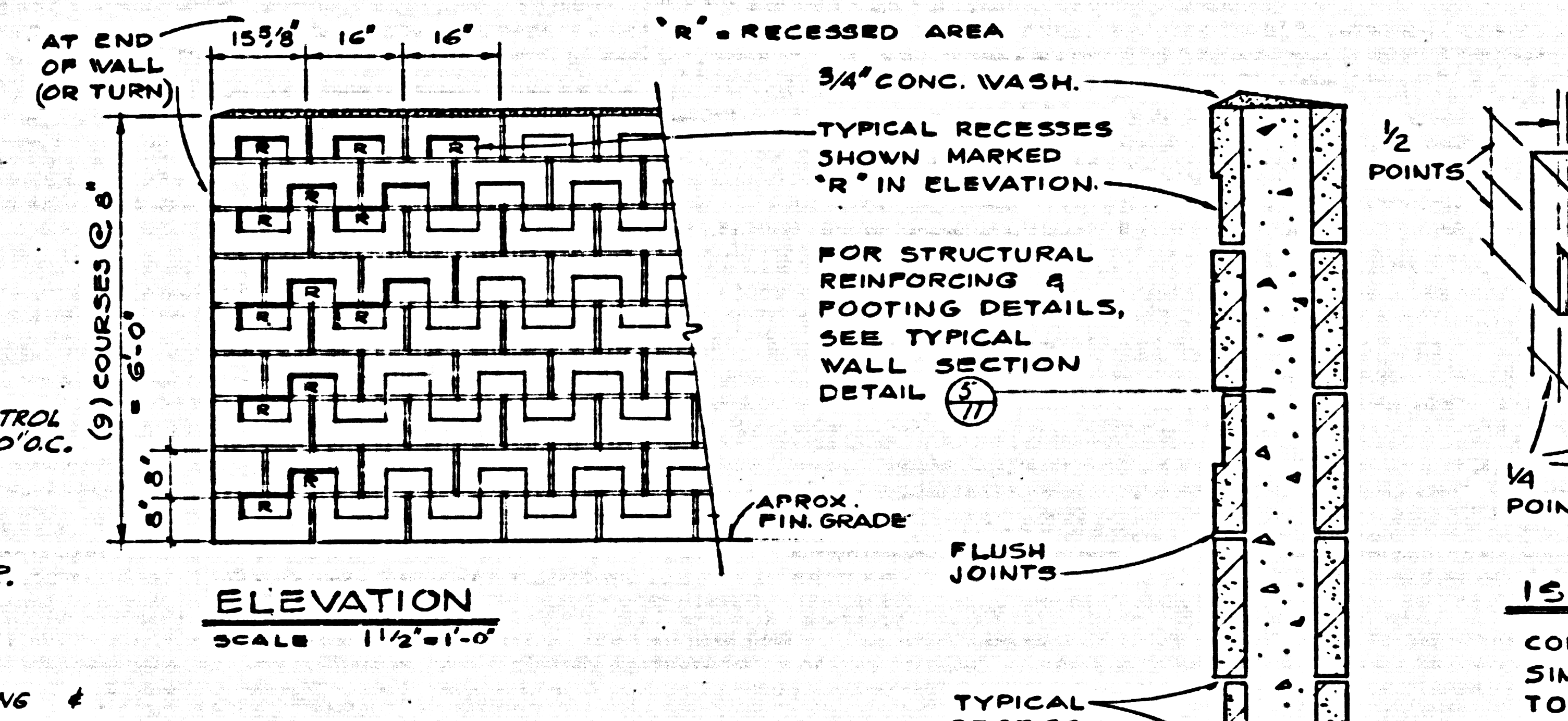
CAPITAL COMPANY
Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
ARCHITECTURAL
MISCELLANEOUS DETAILS

DESIGNED BY CHAPMAN	APPROVED BY <i>W. Lohman</i>	NO. 59509B
DRAWN BY LOHMAN	DATE NOV 8 - 1961	REV. NO. A-2
CHECKED BY <i>W. Lohman</i>		REV. NO. 2

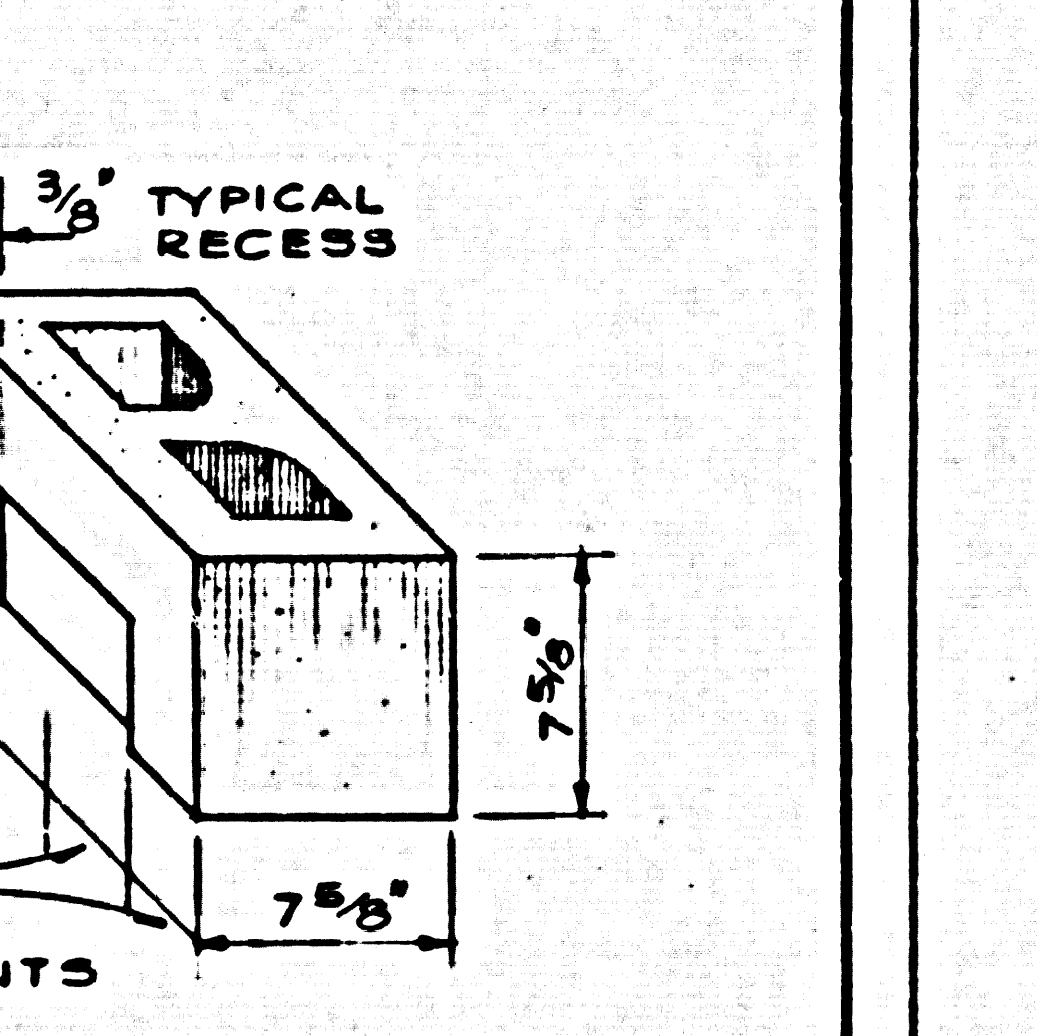


**PROFILE SHOWING
OVERFLOW PIPE AND PROPOSED
FLOOD CONTROL CHANNEL**
SCALE: HOR. & VERT. 1/8" = 1'-0"

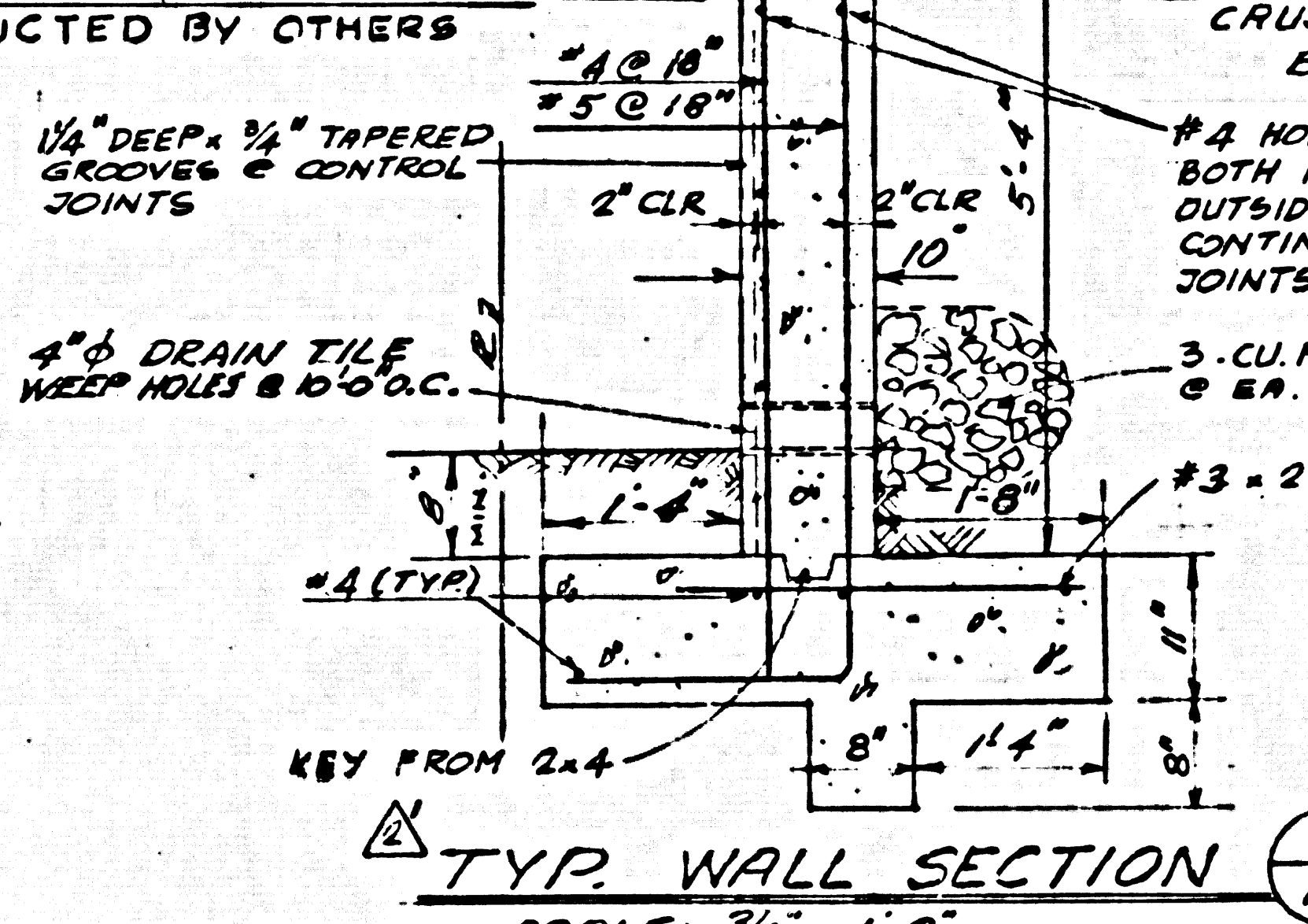


ELEVATION
SCALE 1 1/2" = 1'-0"

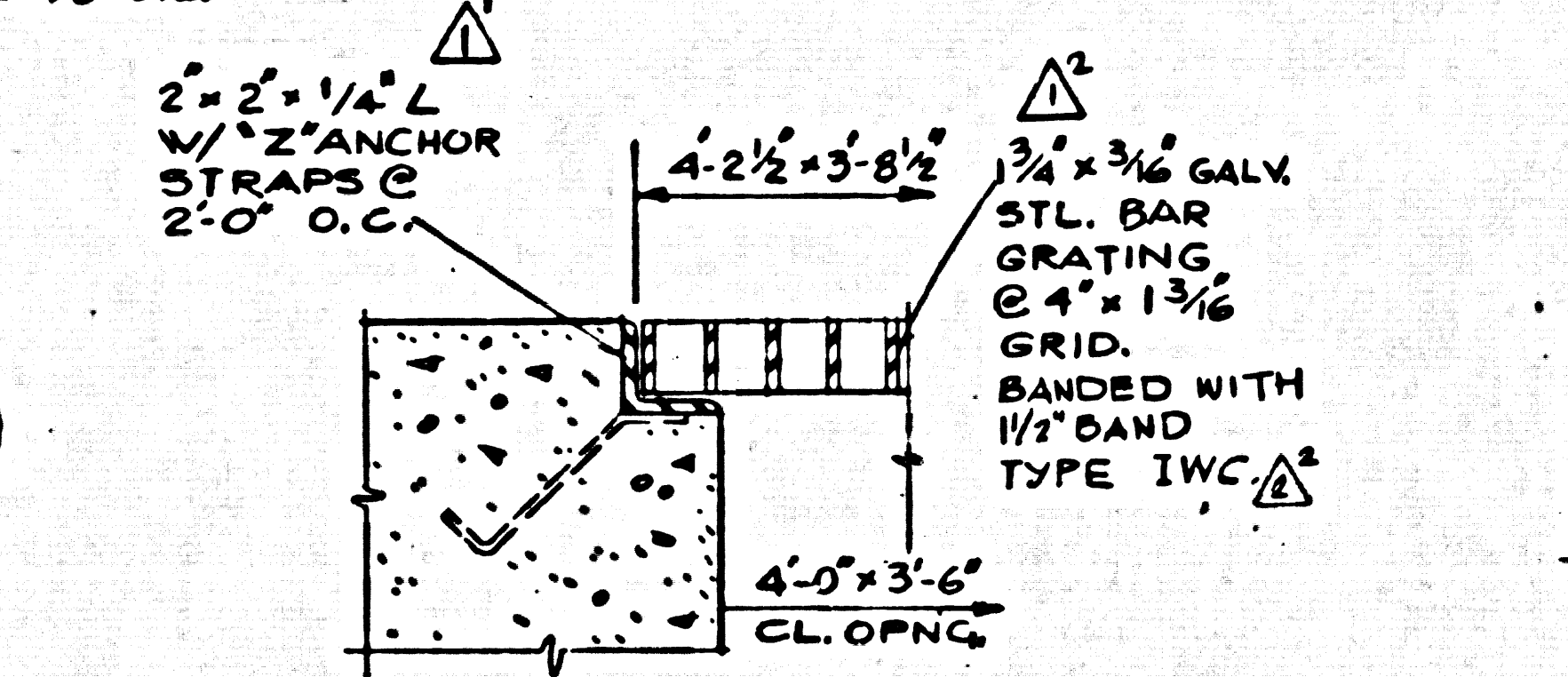
**DECORATIVE WALL
PATTERN DETAIL (2)**
(FOR FRONT GATE WALL ONLY)



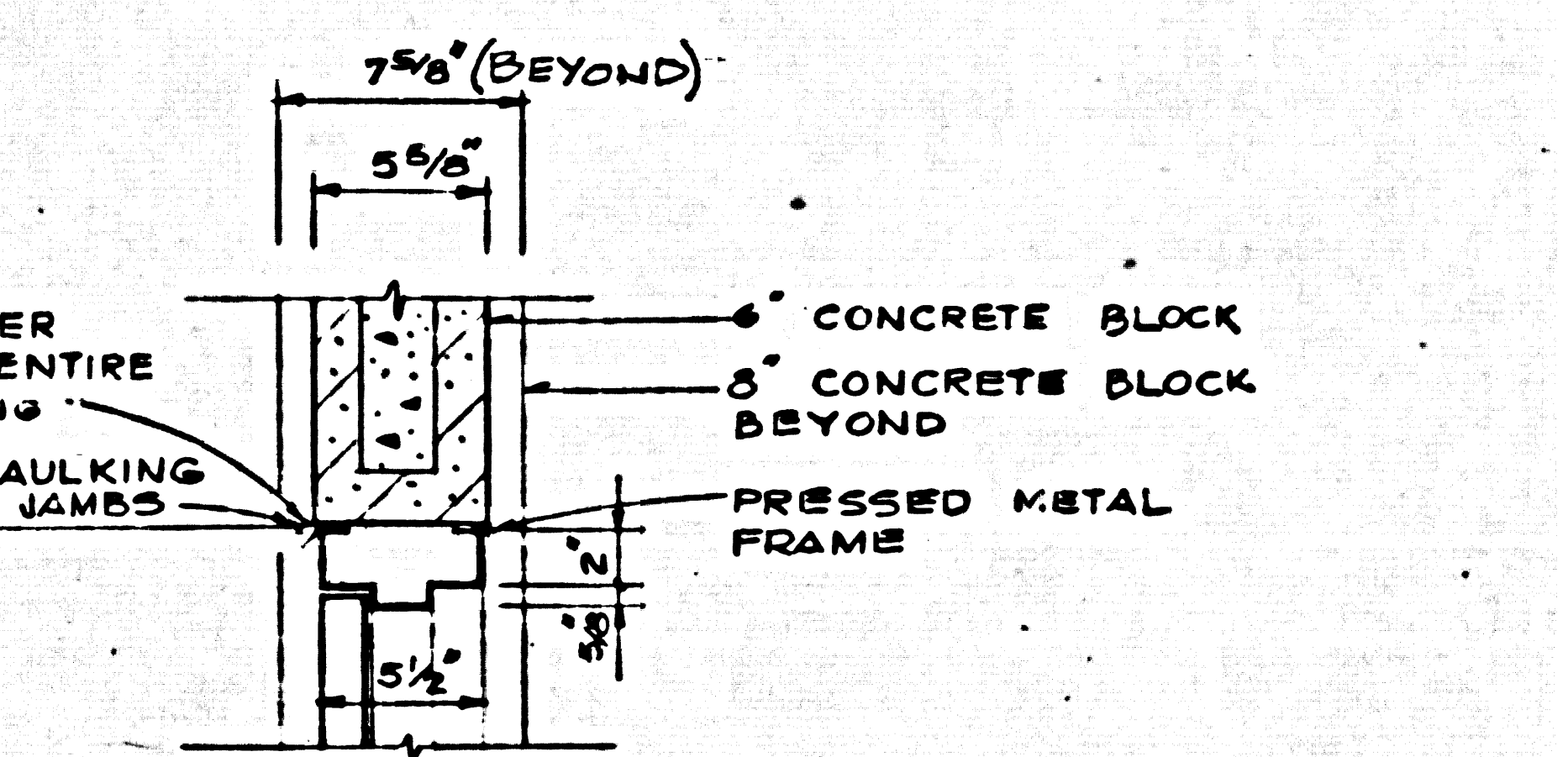
ISOMETRIC DWG.
CONCRETE BLOCK
SIMILAR, OR EQUAL
TO "HALF-SQUARE"
BLOCK PATTERN
NO. 202 AS MANUFACTURED
BY O'KELLEY-
ECCLES CO.,
IRVINDALE, CALIF.
COLOR: "SUNTAN"



TYP. WALL SECTION (7)
SCALE: 3/4" = 1'-0"



**FLOOR GRATING
DETAIL (3)** SCALE 3" = 1'-0"

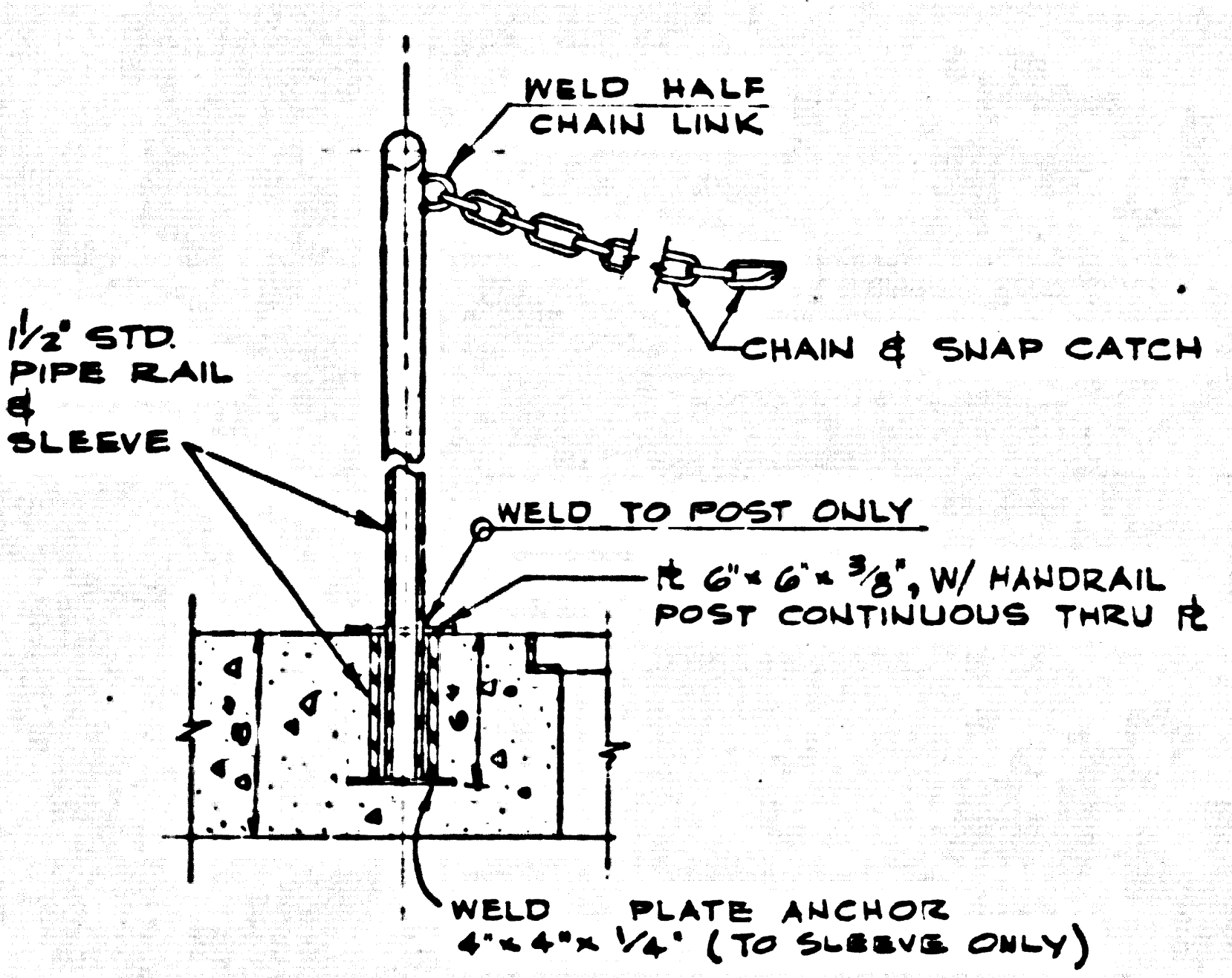


HEAD

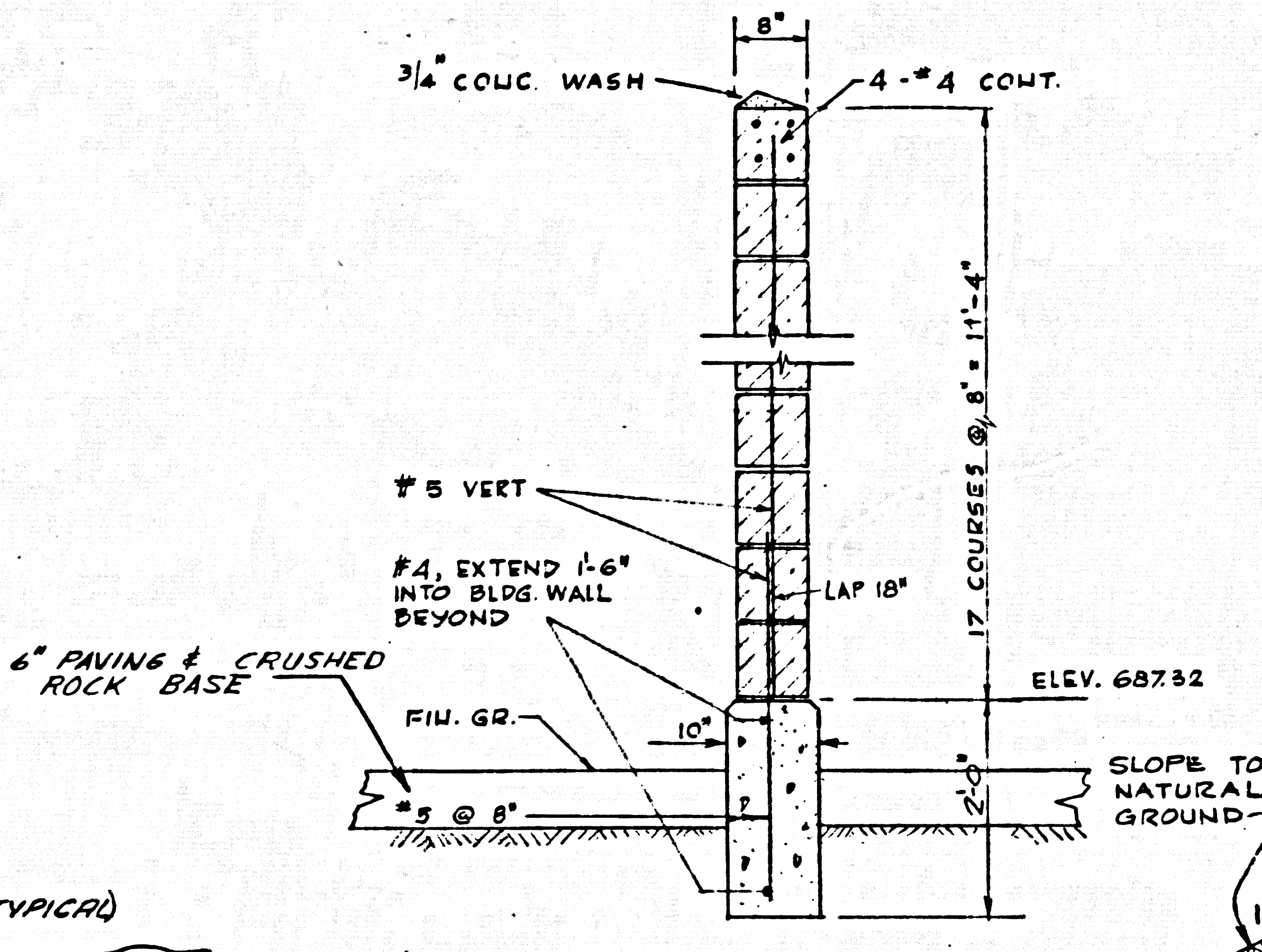
JAMB

SILL

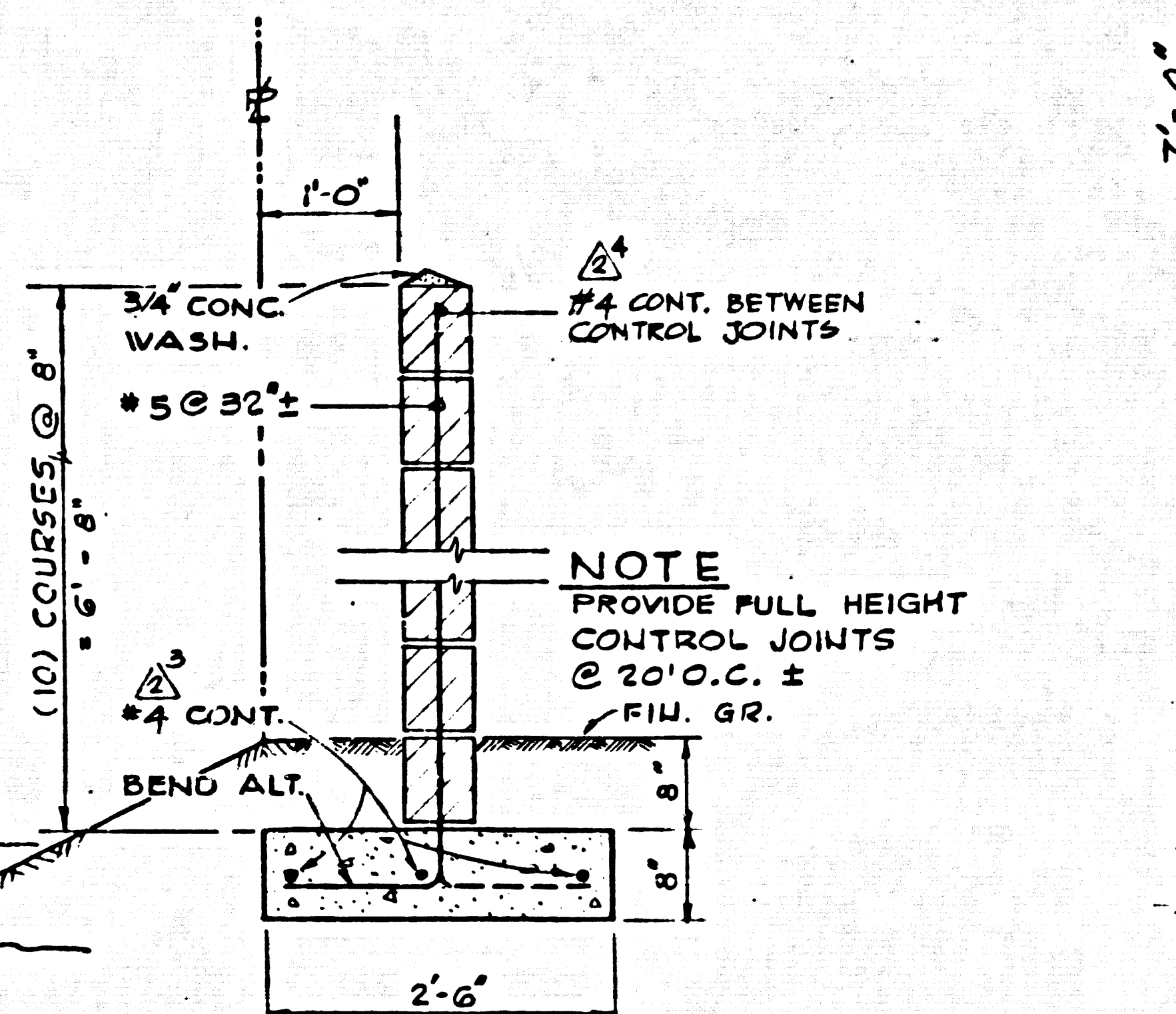
DOOR DETAIL (1)
SCALE 1 1/2" = 1'-0"



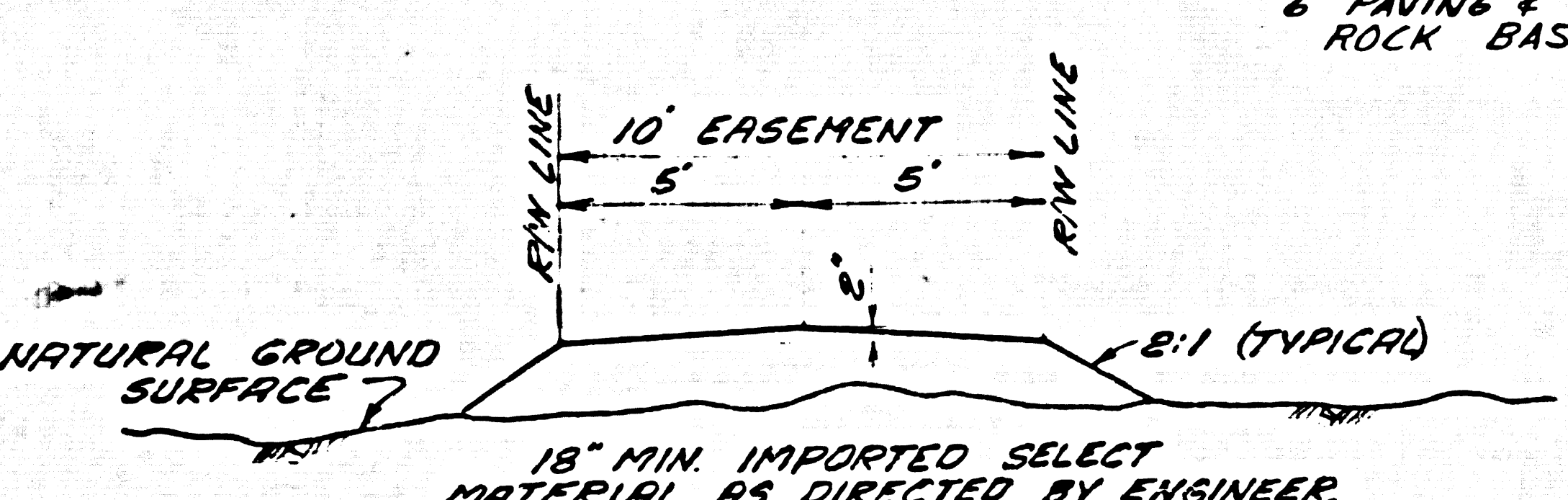
**REMOVABLE SAFETY HANDRAIL
DETAIL (6)**
NO SCALE



TYP. WALL SECT. (5)
SCALE 3/4" = 1'-0"



TYP. WALL SECT. (4)
SCALE 3/4" = 1'-0"



TYP. SECTION - ACCESS ROAD (2)
NO SCALE

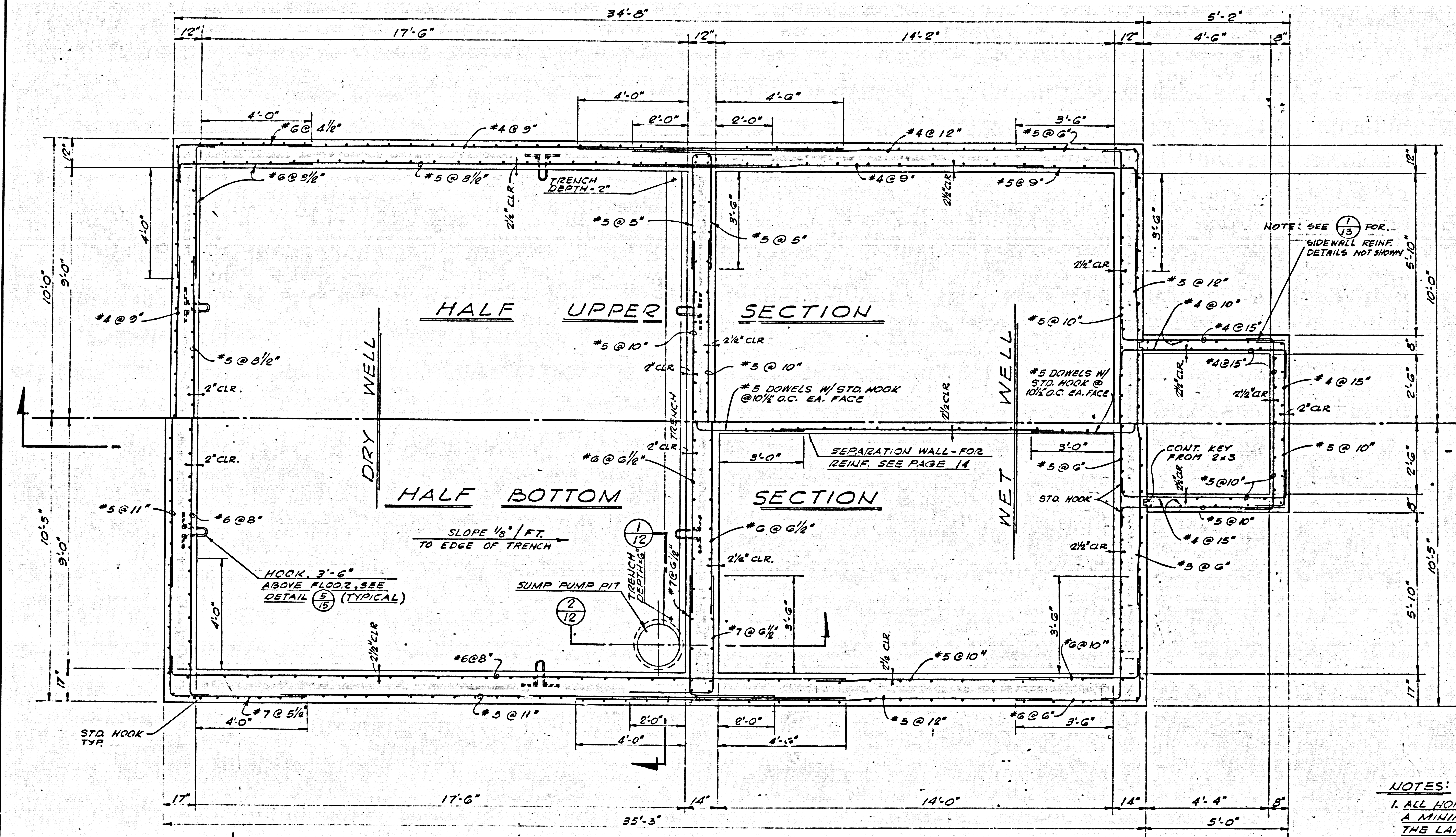
REV. NO.	DATE	REVISION	REV. BY	CR. BY
1	1-19-62	REVISIONS PER COUNTY REQUIREMENTS	I.B.	R.P.P.
2	1-19-62	REVISIONS PER ADDENDUM	G.C.	R.P.P.

OE **QUINTON ENGINEERS, LTD.**
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Los Angeles, California

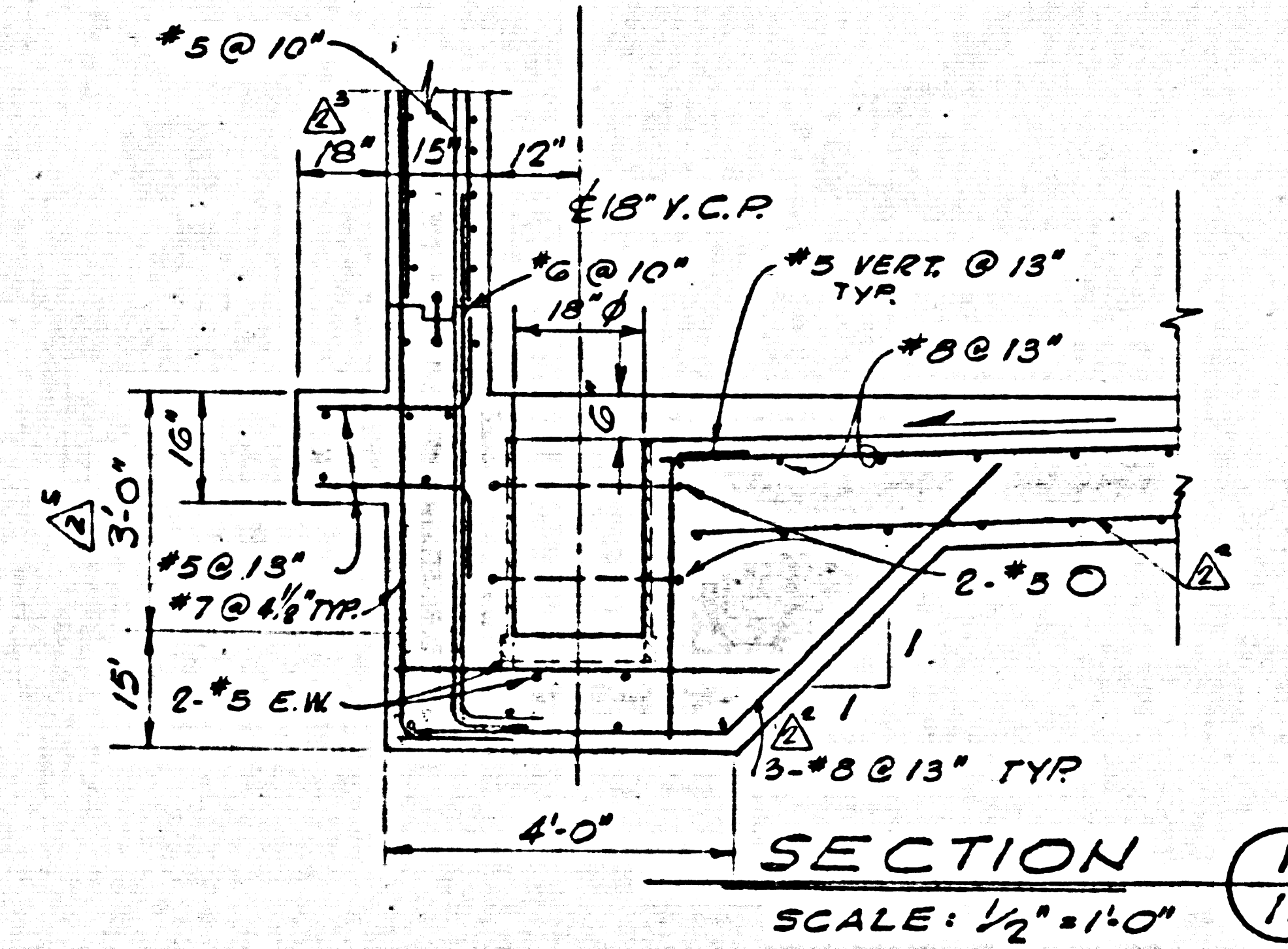
CAPITAL COMPANY
Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
ARCHITECTURAL
MISCELLANEOUS DETAILS

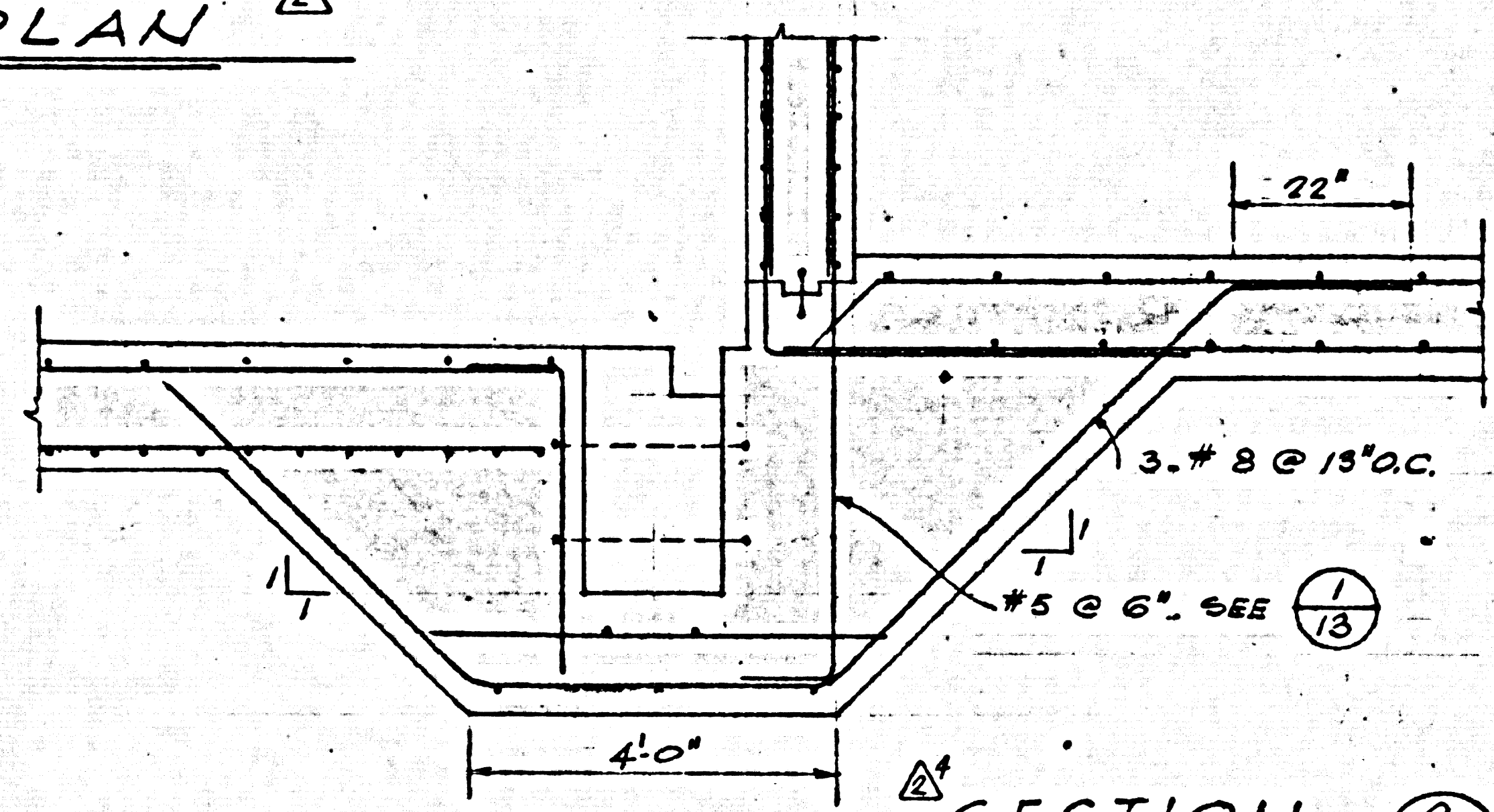
DESIGNED BY: CHAPMAN
DRAWN BY: LOHMAN
DATE: NOV 8 - 1961
JOB NO.: 59509B
REV. NO.: A-3
REV. BY: [Signature]
CR. BY: [Signature]



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



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



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

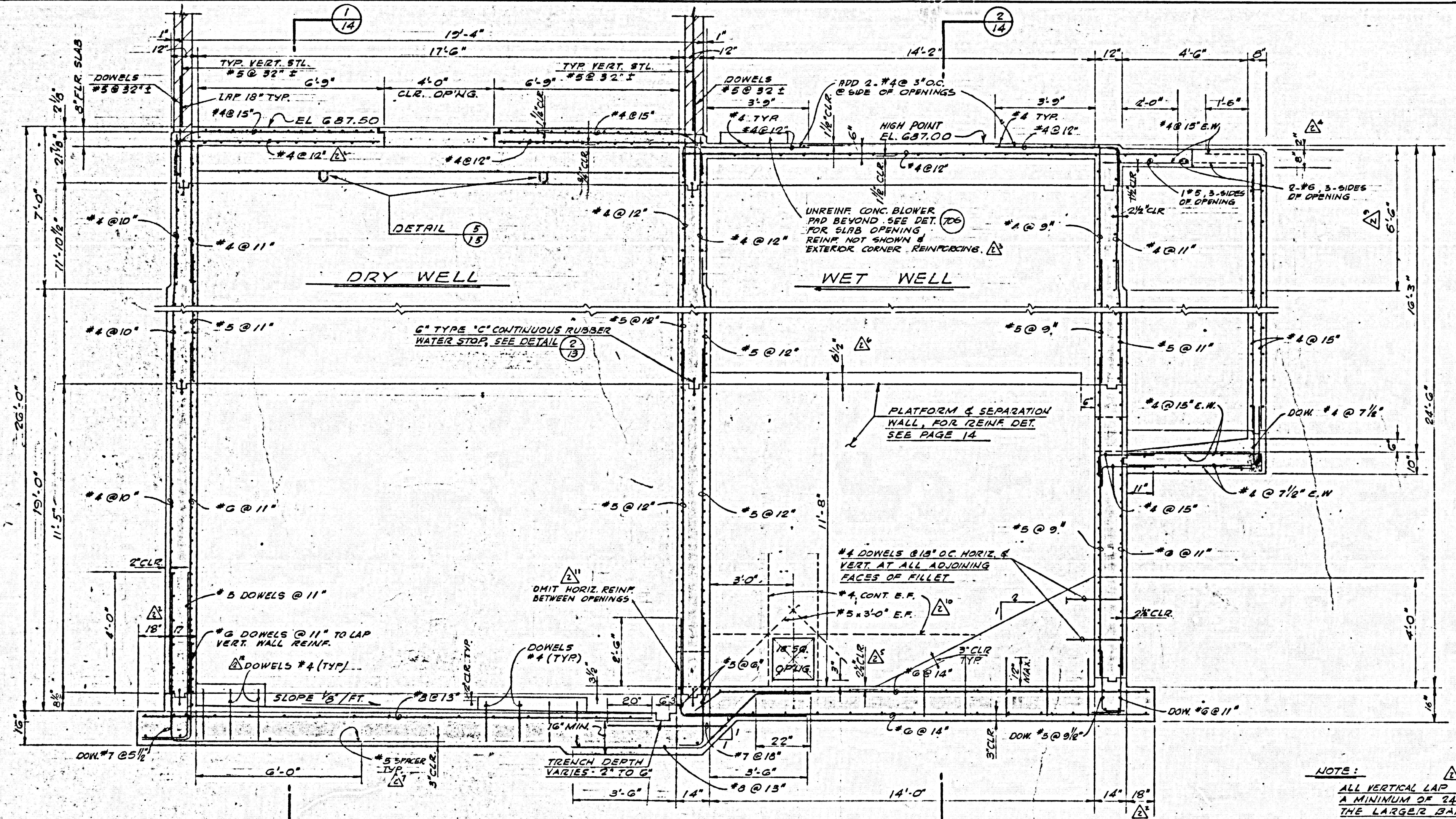
- NOTES:
1. ALL HORIZ. LAP SPLICES SHALL BE A MINIMUM OF 30 DIAMETERS OF THE LARGER BAR UNLESS OTHERWISE INDICATED.
 2. WALL REINF. PLACED 2" CLR. UNLESS OTHERWISE NOTED.

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Los Angeles, California

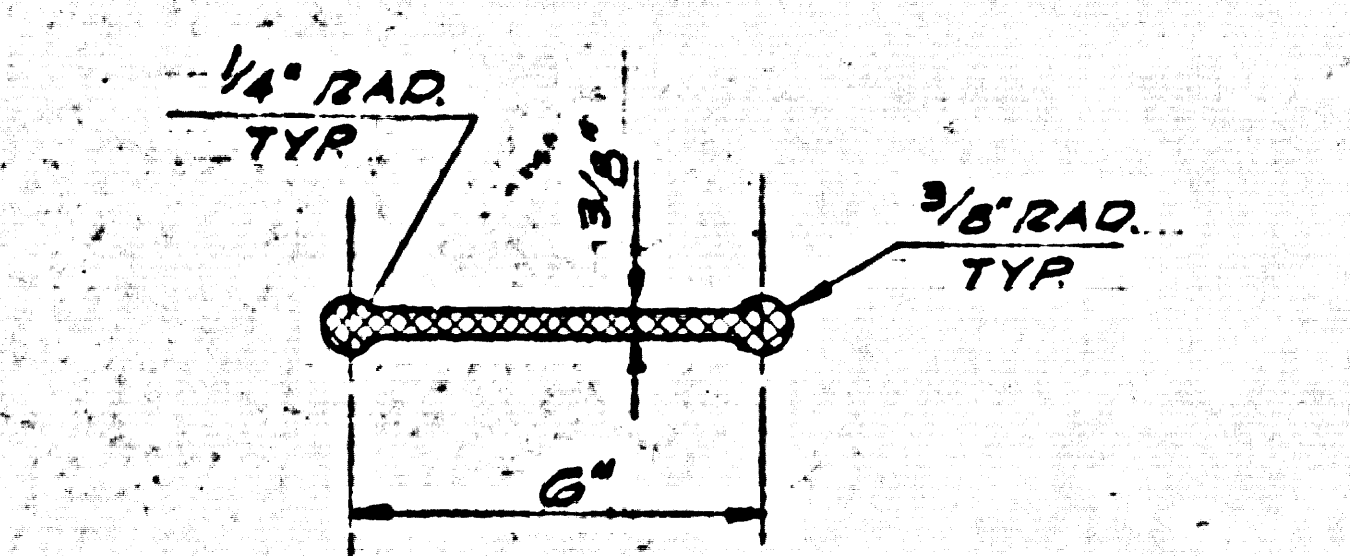
CAPITAL COMPANY
Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
STRUCTURAL
SECTIONAL PLAN

REV. NO.	DATE	REVISION	REV. BY	CHK. BY	
1-19-62		REVISIONS PER COUNTY REQUIREMENTS		I.B. P.R.P.	
DESIGNED BY	I. BUBOW	APPROVED BY	<i>[Signature]</i>	JOB NO.	59509B
DRAWN BY	C. KURTZ	DATE	NOV 8 - 1961	SCALE	5-1
CHECKED BY	D. J. Moran				

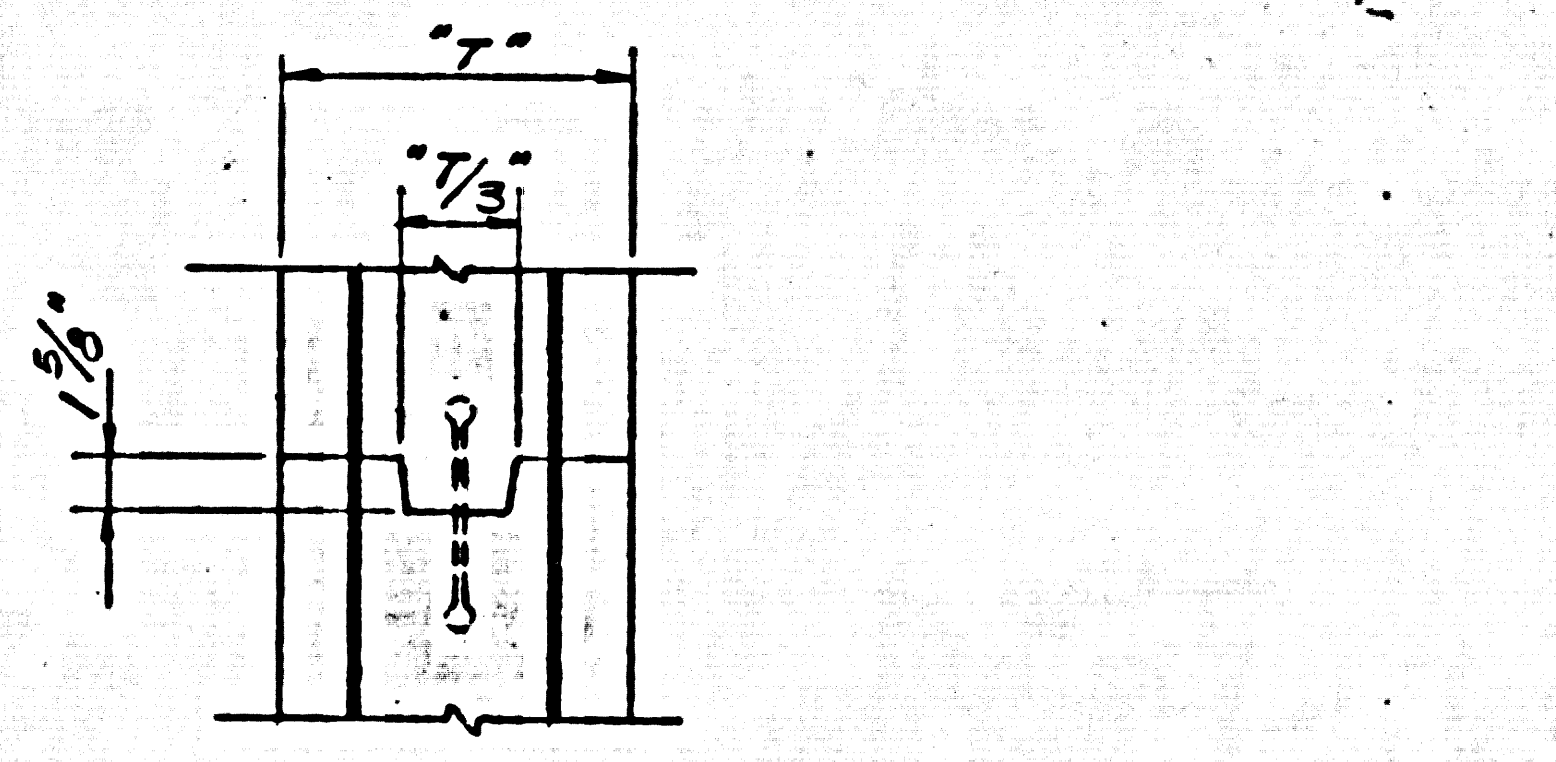


LONGITUDINAL SECTION (1) SEE PAGE 12
SCALE: 1/2" = 1'-0" (13)



NOTE: PROVIDE RUBBER WATER STOP AT CONSTRUCTION JOINTS WHERE INDICATED. SEE SPECIFICATIONS.

RUBBER WATER STOP
DETAIL (2)
SCALE: 3" = 1'-0" (13)



TYP. HORIZ. CONST. JT. (3)
NO SCALE

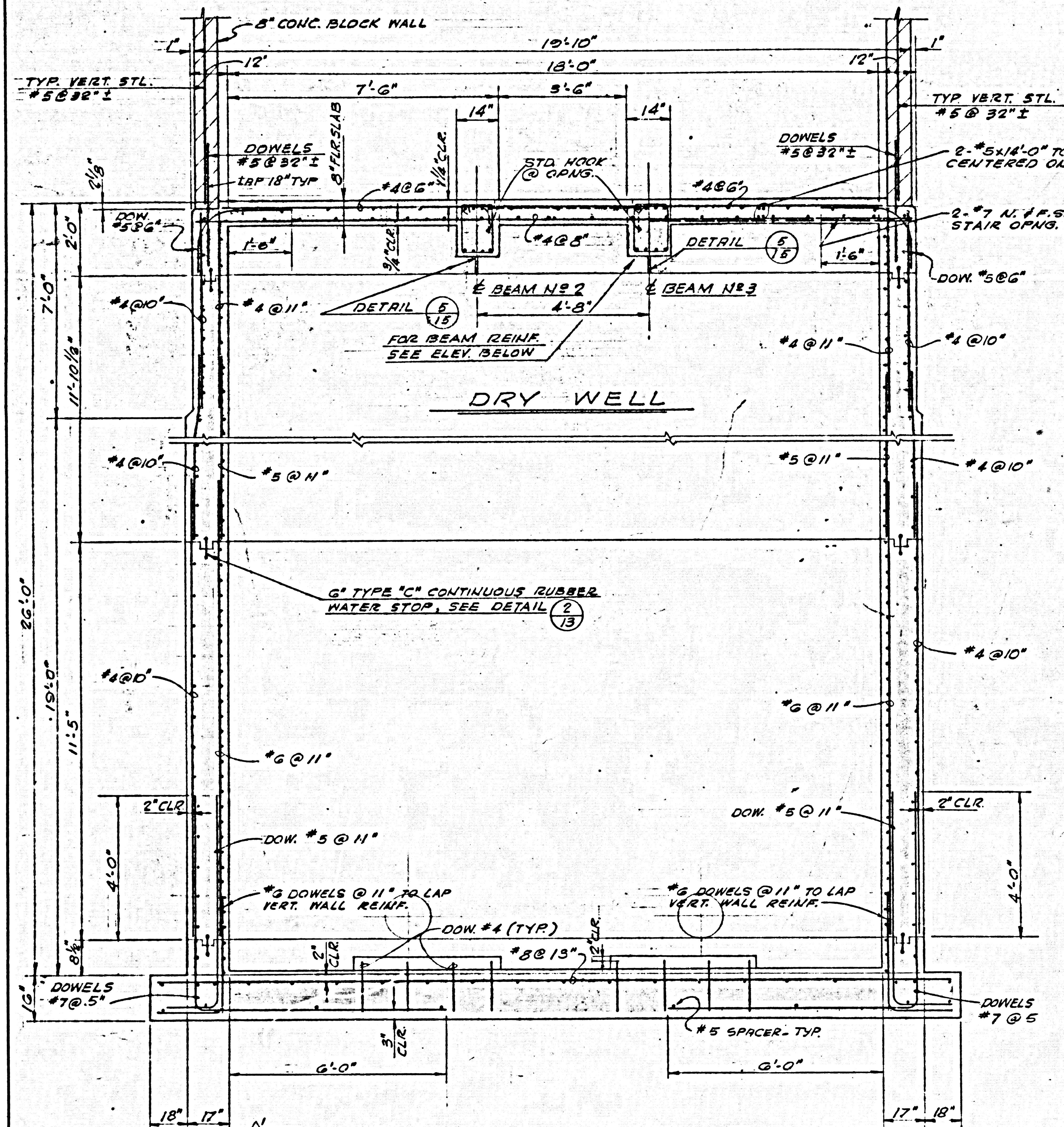
NOTE: ALL VERTICAL LAP SPLICES SHALL BE A MINIMUM OF 24 DIAMETERS OF THE LARGER BAR UNLESS OTHERWISE INDICATED.

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Los Angeles, California

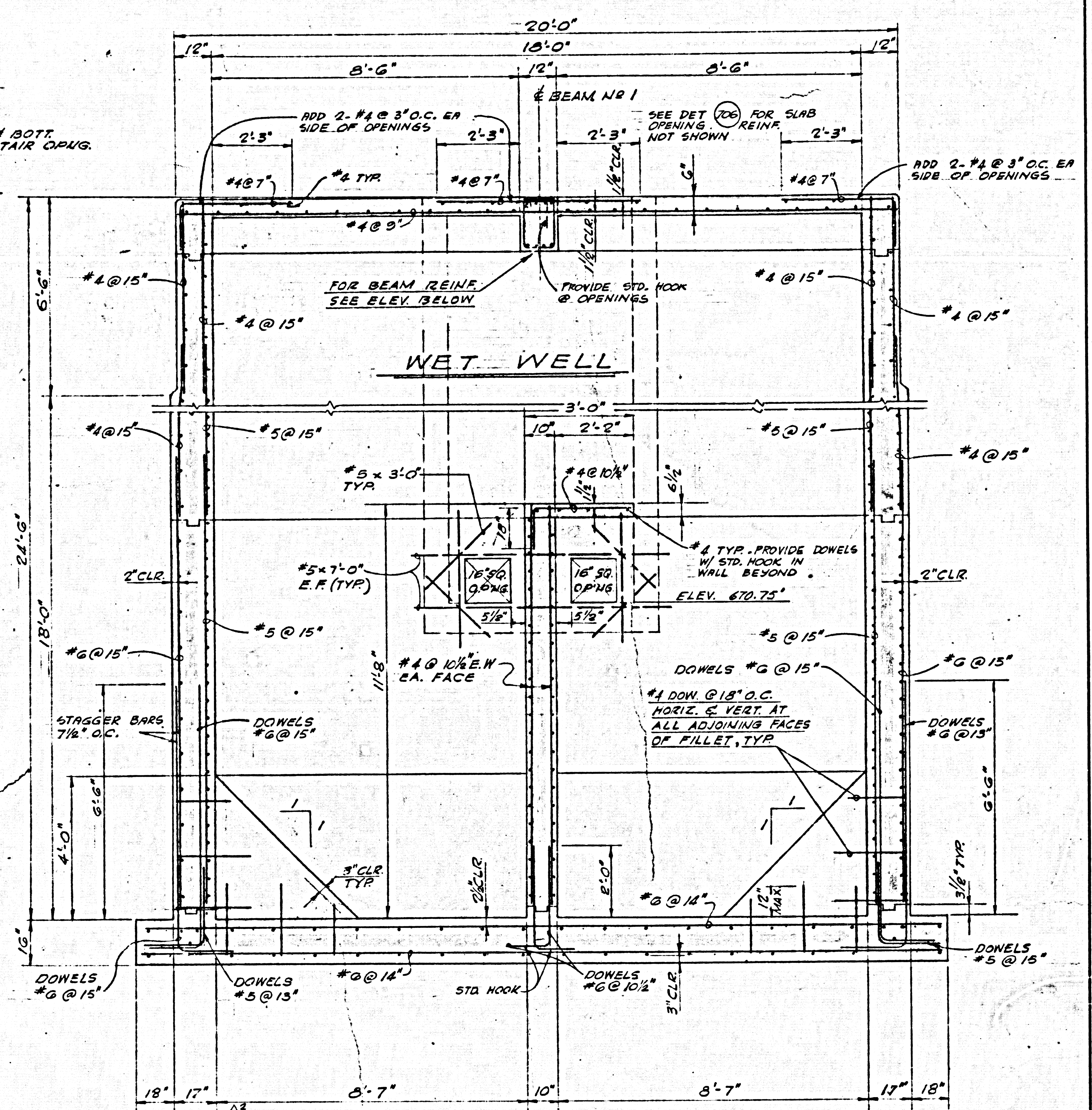
CAPITAL COMPANY
Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION, NO. 1
STRUCTURAL
LONGITUDINAL SECTION

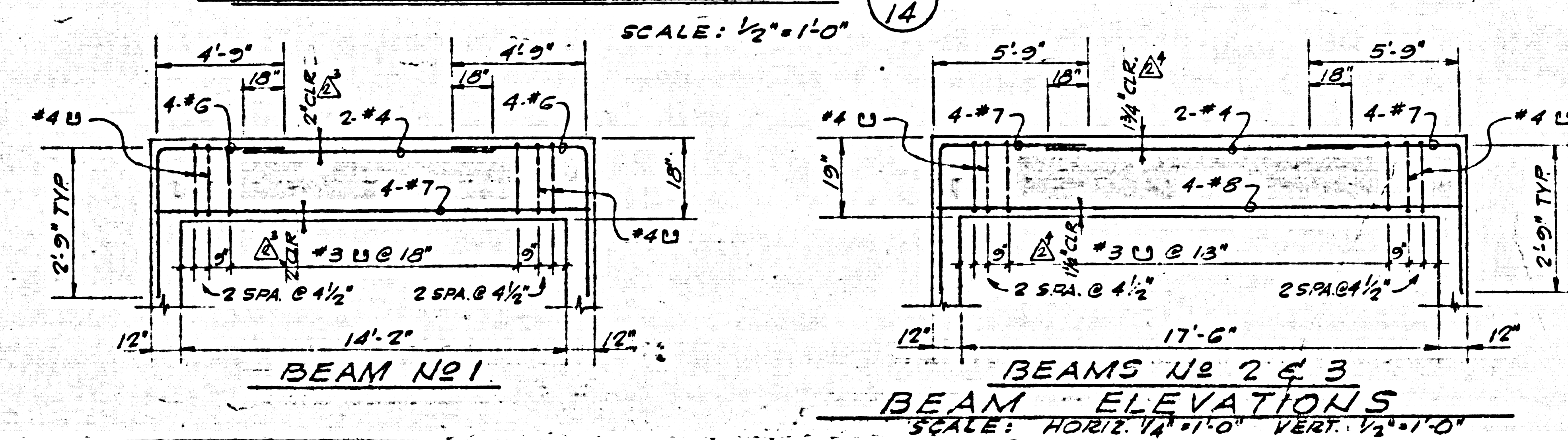
REV. NO.	DATE	REVISION	REV. BY	CHK. BY
1-13-62		REVISIONS PER COUNTY REQUIREMENTS	I.B.	R.R.
DESIGNED BY	APPROVED BY	PROJECT NO.		
C. KURTZ	<i>H.W. Loren</i>	59509 B		
CHECKED BY	DATE	REV. NO.		
D.F. Mow	NOV 8 - 1961	5-2		
		REV. NO.		
		(A)		



TRANSVERSE SECTION 1 SEE PAGE 13
SCALE: 1/2" = 1'-0"



TRANSVERSE SECTION 2 SEE PAGE 13
SCALE: 1/2" = 1'-0"



NOTE:
ALL VERTICAL LAP SPICES SHALL BE A MINIMUM OF 24 DIAMETERS OF THE LARGER BAR UNLESS OTHERWISE INDICATED.

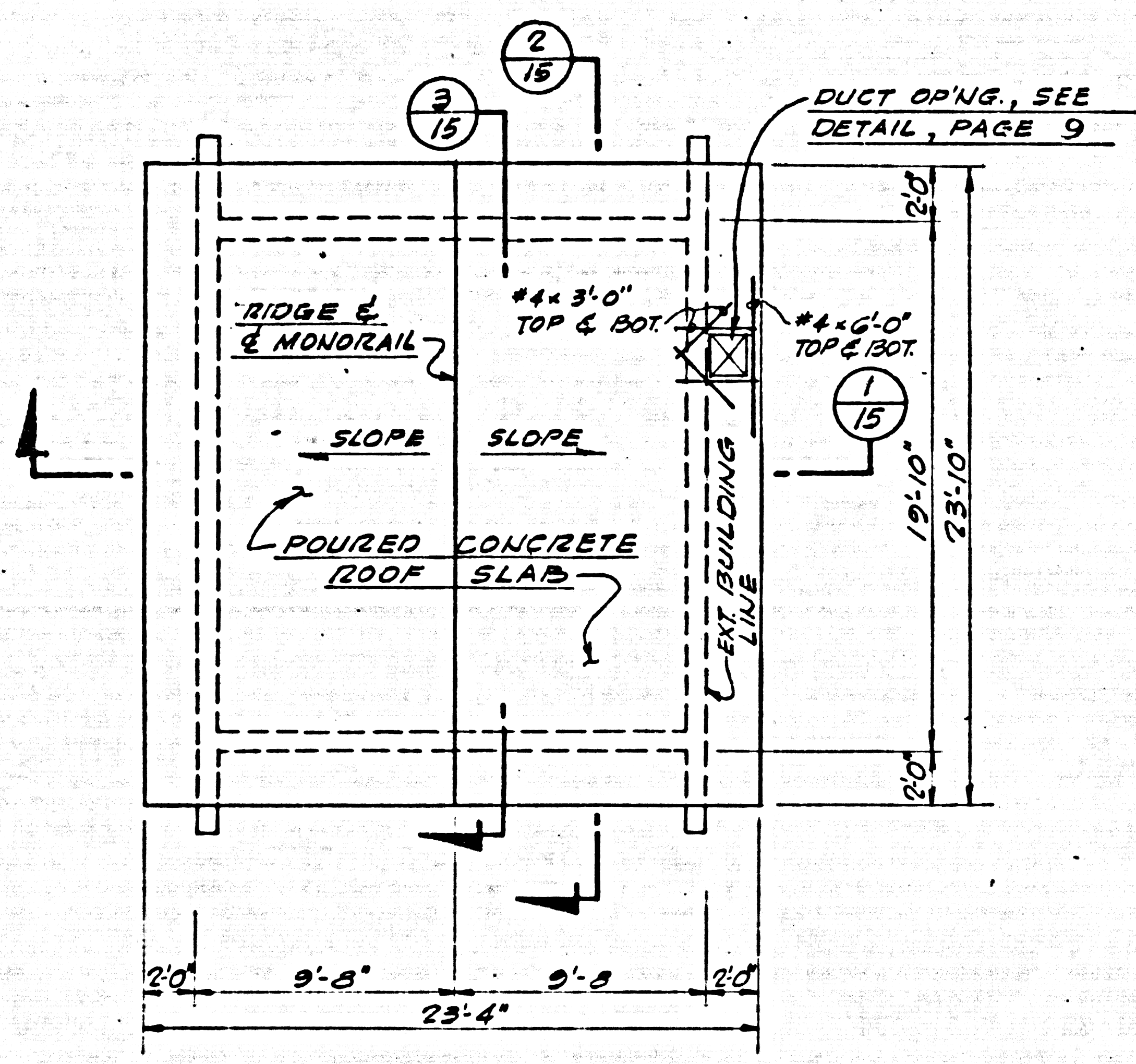
REV. NO.	DATE	REVISION	REV. BY	CHK. BY
1	1-19-62	REVISIONS PER COUNTY REQUIREMENTS	I.B. PRR	

DESIGNED BY	APPROVED BY	DRAWN BY	DATE	PROJECT NO.
I. RUBIN	H. W. Lerner	C. KURTZ	NOV 8 - 1961	59509 B
REVISIONS				
D. J. Moran				5-3

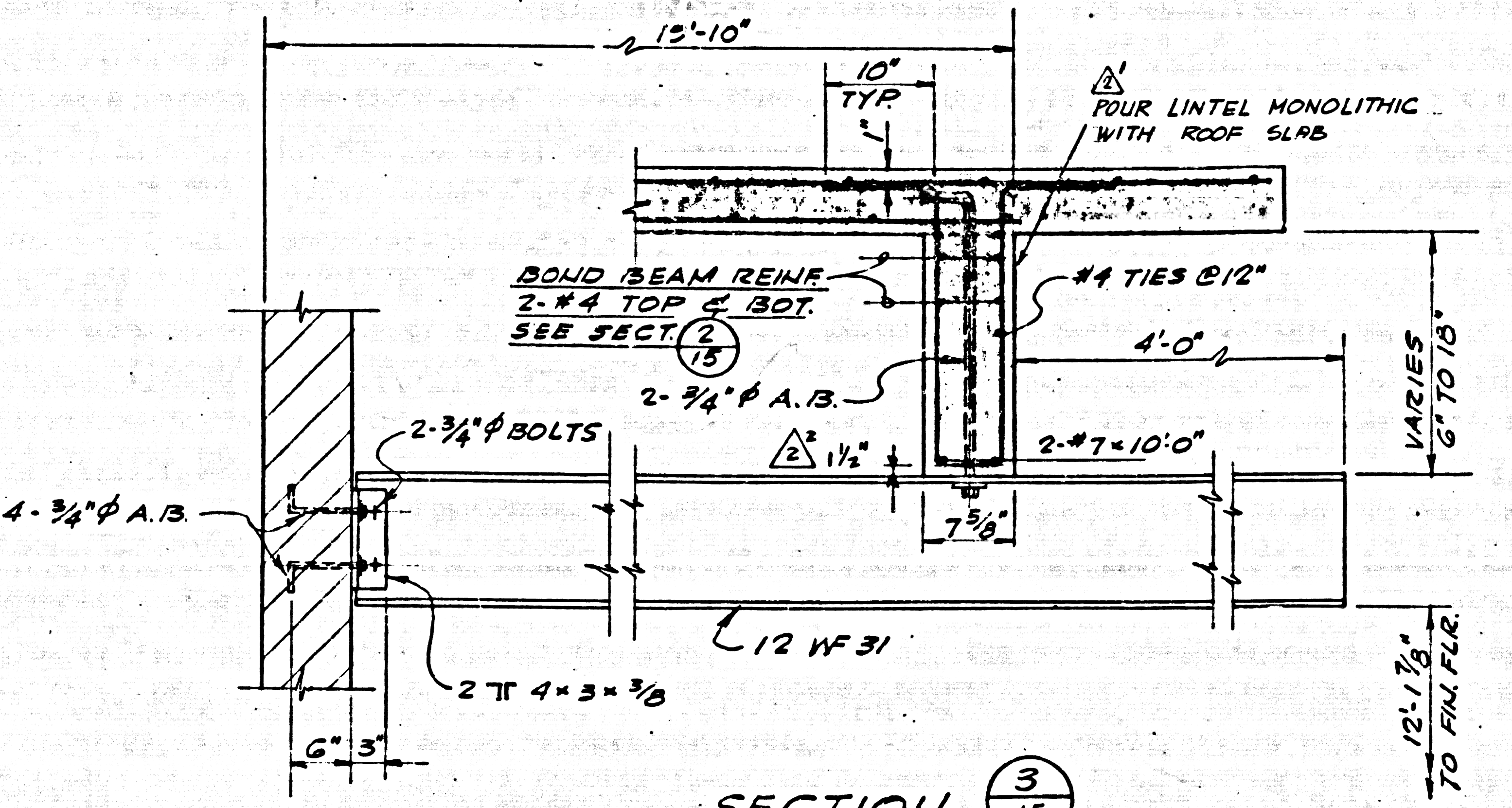
Q E **QUINTON ENGINEERS, LTD.**
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Los Angeles, California

CAPITAL COMPANY
Diamond Bar, California

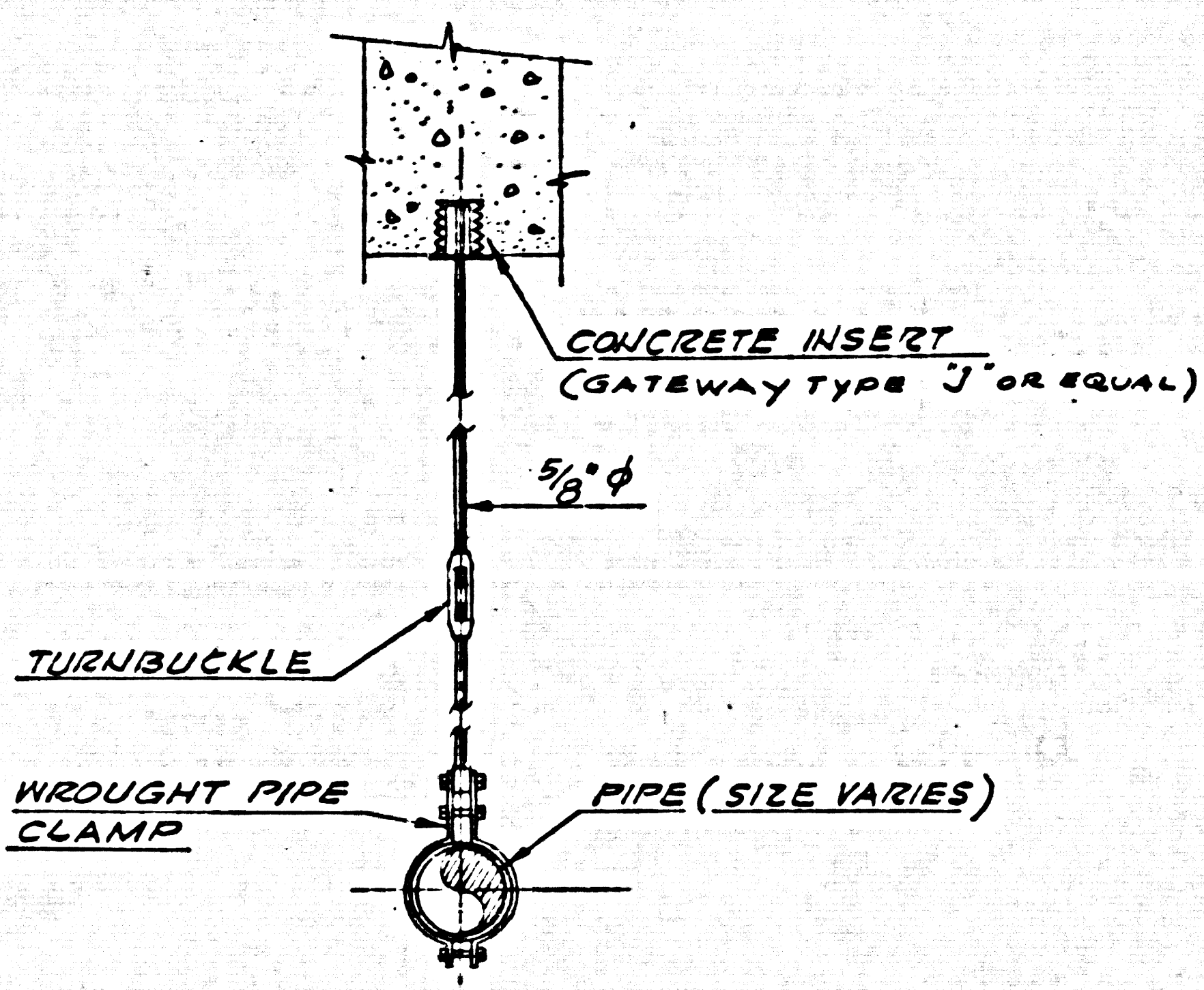
DIAMOND BAR SEWAGE PUMP STATION NO. 1
STRUCTURAL
TRANSVERSE SECTIONS



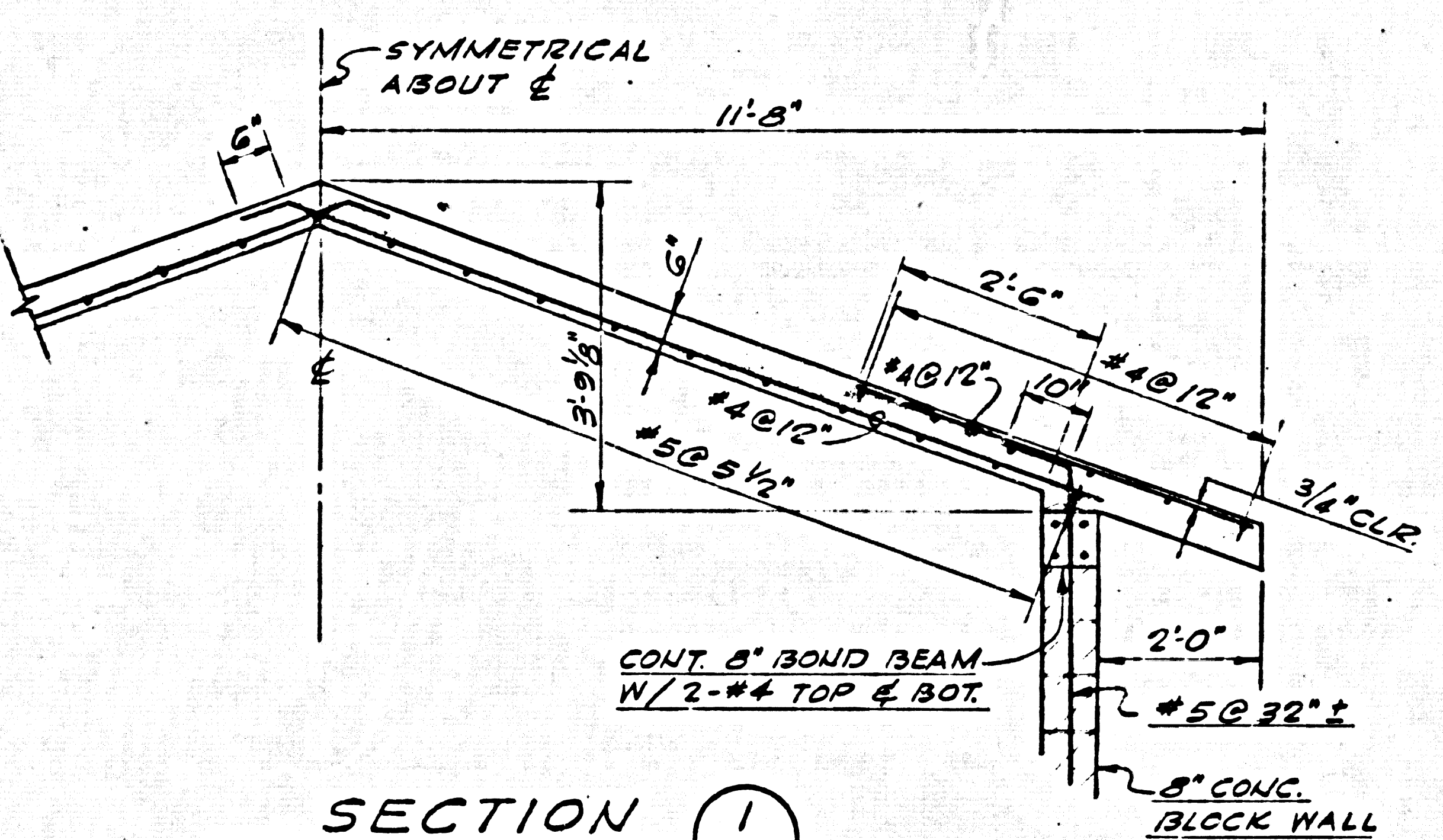
ROOF PLAN
SCALE: 3/16" = 1'-0"



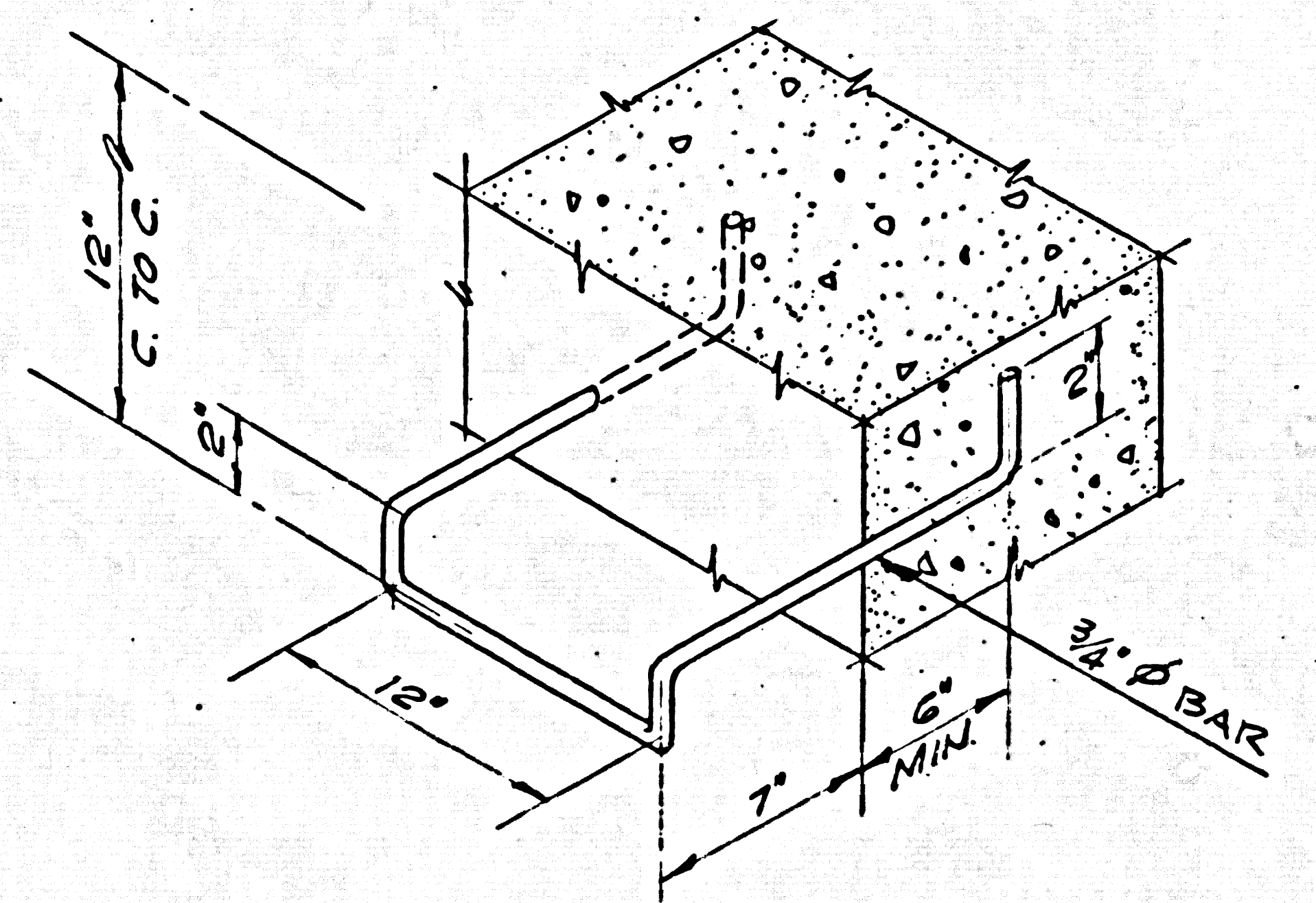
SECTION 3/15
MONORAIL BEAM DETAILS
SCALE: 1" = 1'-0"



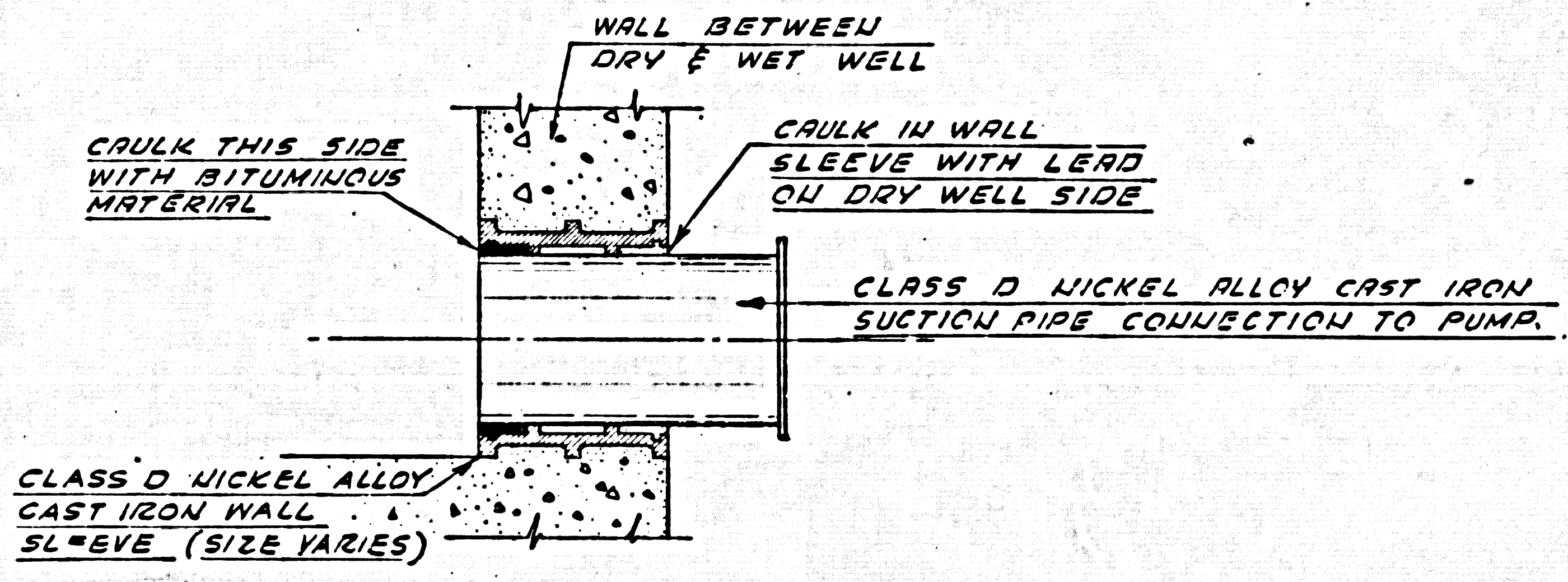
PIPE HANGER ASSEMBLY 6/15
NO SCALE



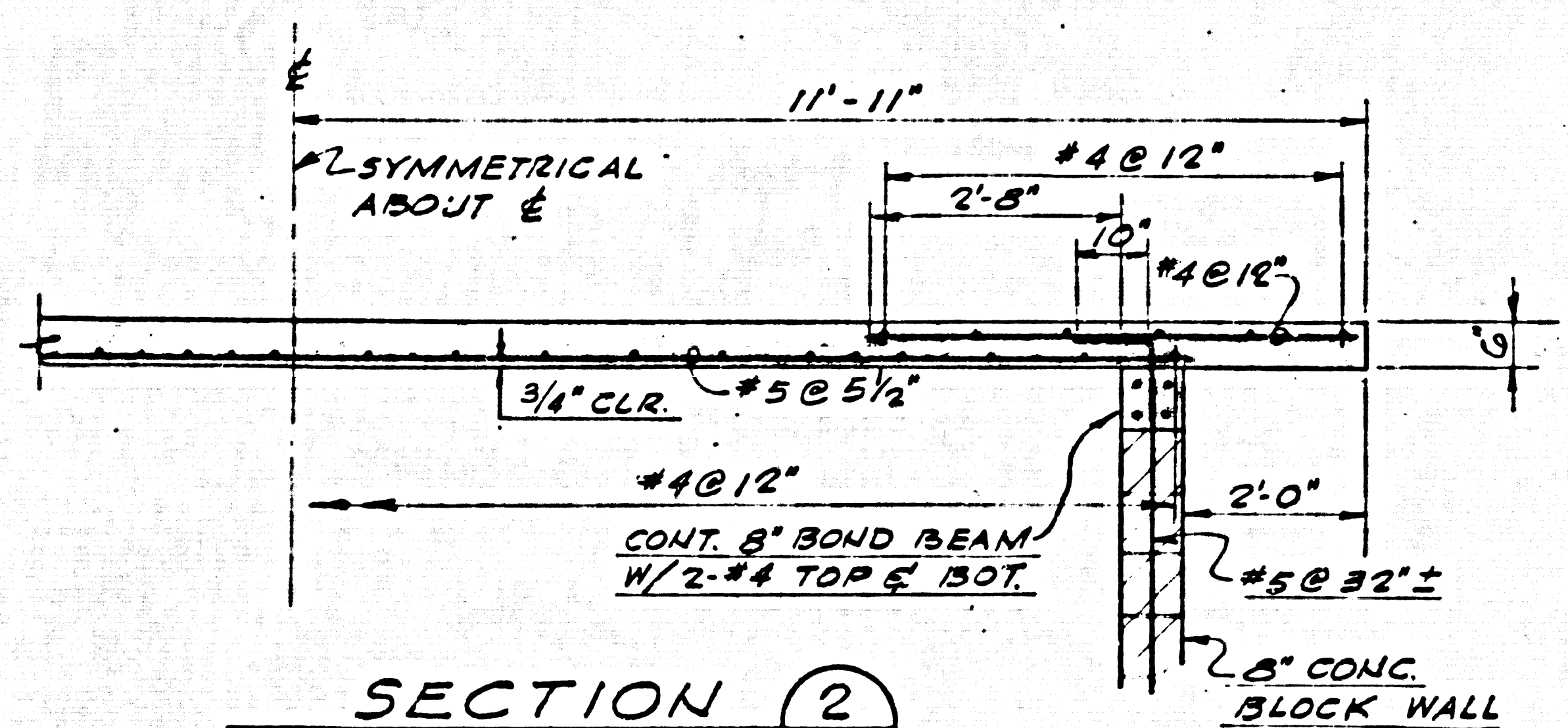
SECTION 1/15
SCALE: 1/2" = 1'-0"



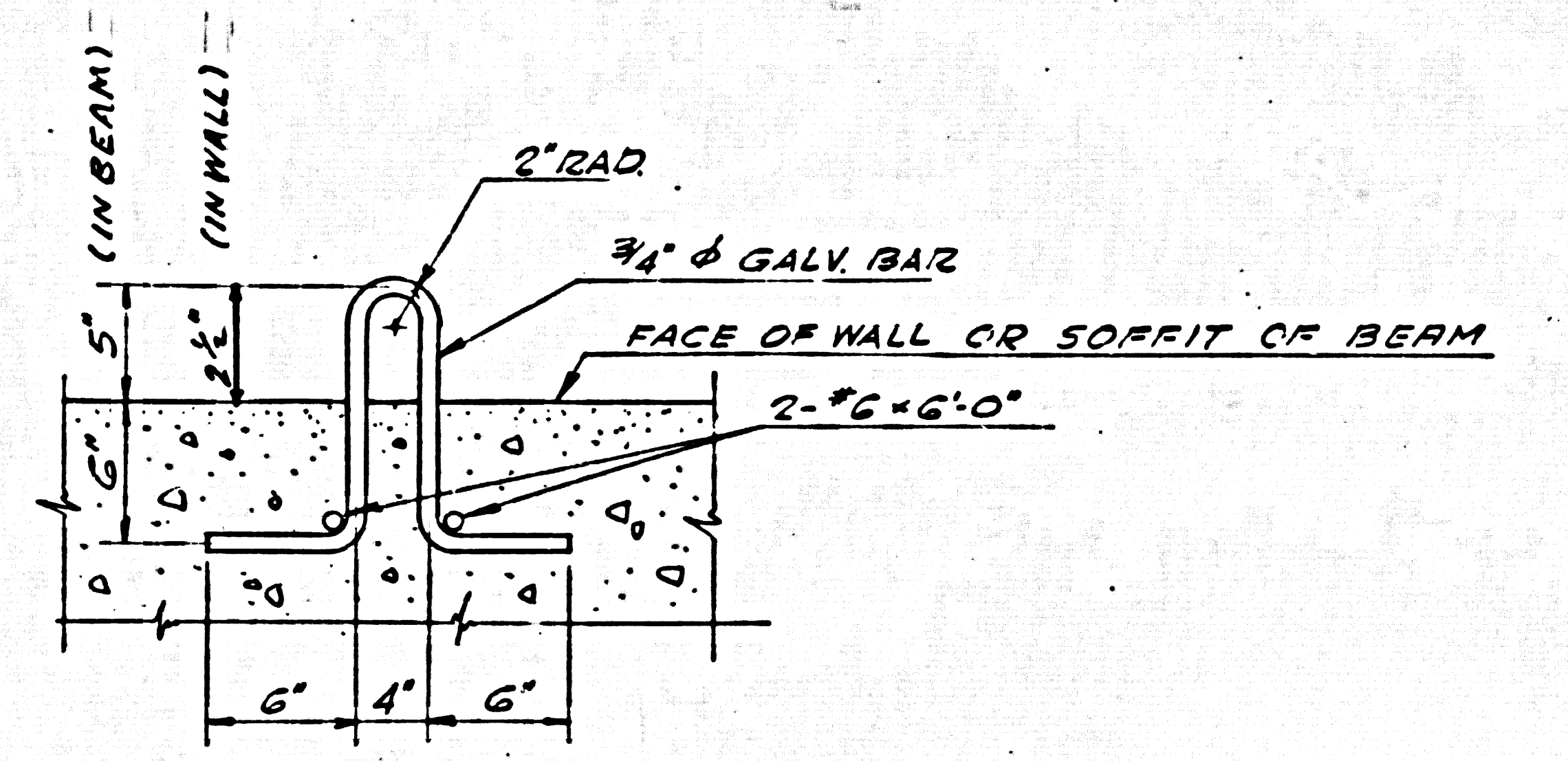
TYPICAL RING DETAIL 4/15
NO SCALE



WALL SLEEVE DETAIL 7/15
NO SCALE



SECTION 2/15
SCALE: 1/2" = 1'-0"



TYPICAL HOOK DETAIL 5/15
SCALE: 1/2" = 1'-0"

REV. NO.	DATE	REVISION	REV. BY	CRD. BY
03	1-19-62	REVISIONS PER COUNTY REQUIREMENTS	I.B.	M.R.
DESIGNED BY	DATE	APPROVED BY	JOB NO.	
I. BUBOW		<i>Alvin Lerner</i>	59509 B	
DRAWN BY	DATE	SCALE		
C. KURTZ	NOV 8 - 1961	5-4		
CHECKED BY				
<i>W. J. Moraw</i>				

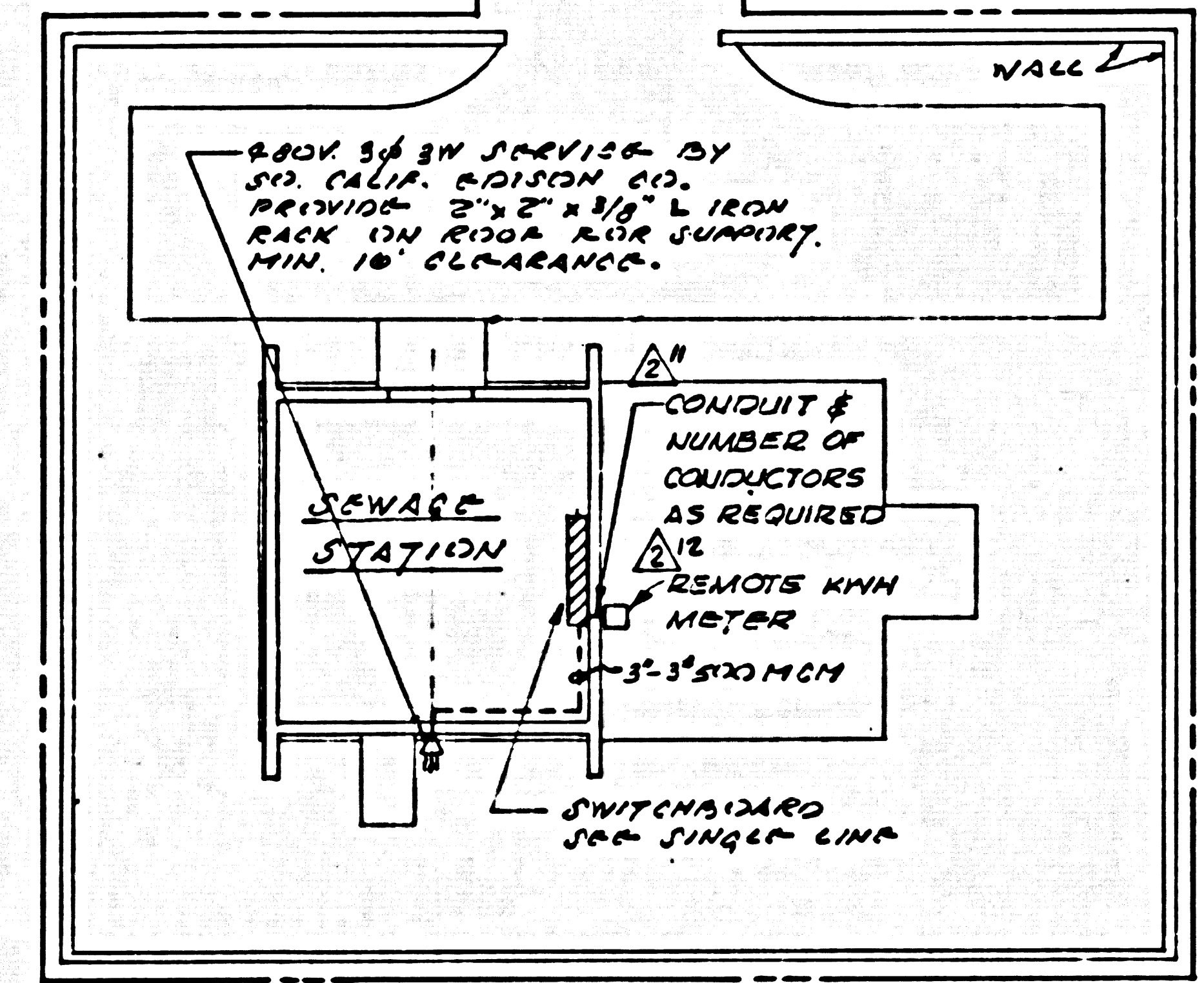
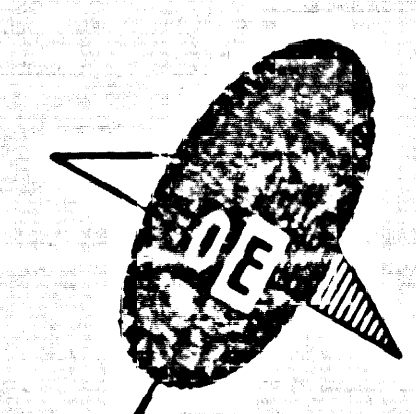
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CAPITAL COMPANY
Diamond Bar, California

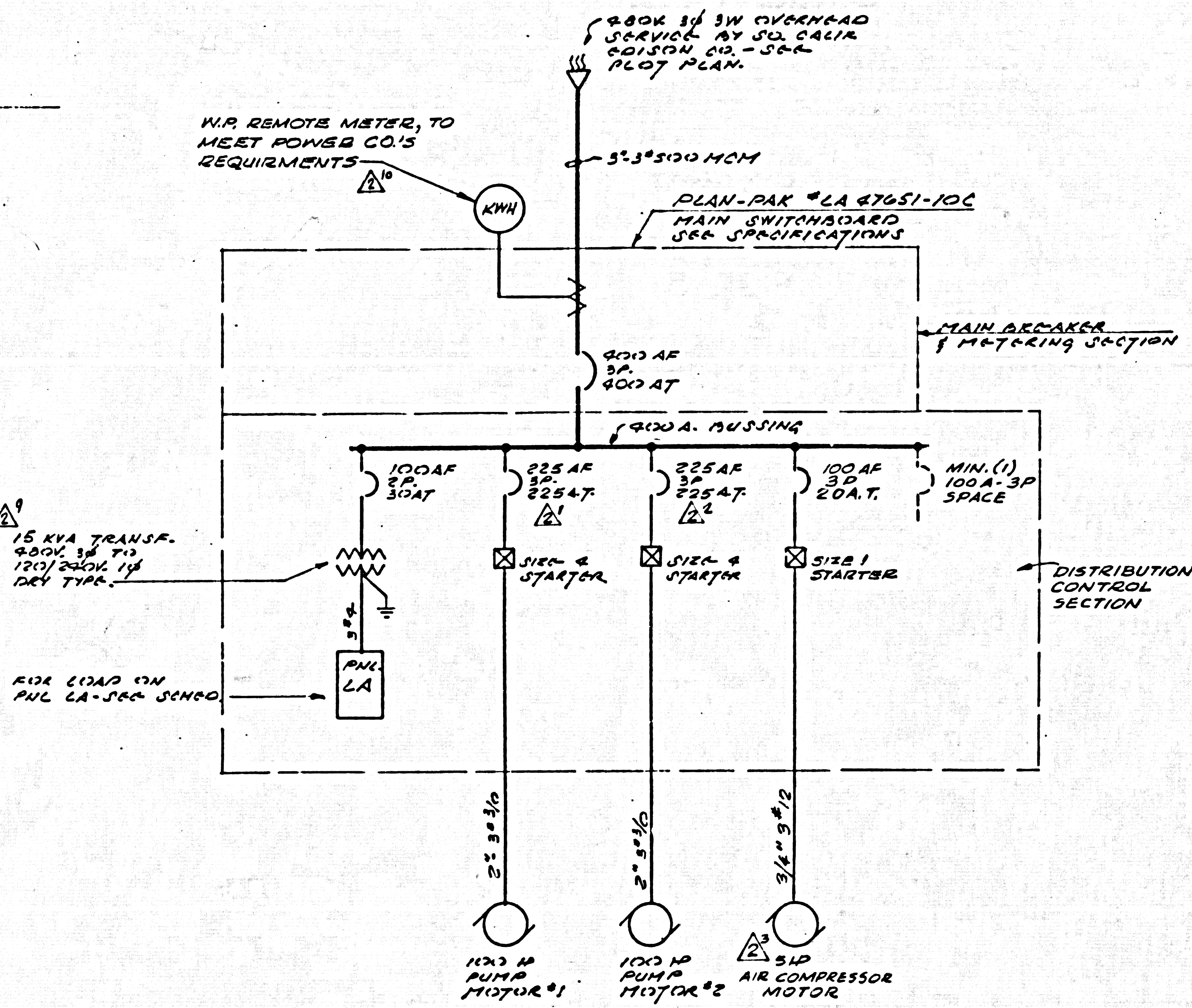
DIAMOND BAR SEWAGE PUMP STATION NO. 1
STRUCTURAL
ROOF & MISCELLANEOUS DETAILS

ELECTRICAL SYMBOLS

- BRANCH CIRCUIT CONCEALED IN CEILING OR WALL.
 - - - BRANCH CIRCUIT EXPOSED.
 - - - BRANCH CIRCUIT IN OR BELOW FLOOR.
 - + HOME RUN TO PANEL. LETTER DENOTES PANEL, NUMBER DENOTES CIRCUIT.
- CROSSMARKS DENOTE THE FOLLOWING, UNLESS OTHERWISE SHOWN.
- | | | | |
|----------|----------|-----|-------------------|
| * 1/2" | 2 NO. 12 | "10 | 3/4" - 2 NO. 10 |
| * 1/2" | 3 NO. 12 | "10 | 3/4" - 3 NO. 10 |
| * 3/4" | 4 NO. 12 | "10 | 3/4" - 4 NO. 10 |
| * 3/4" | 5 NO. 12 | "10 | 1" - 5 NO. 10 |
| * 1" | 6 NO. 12 | "10 | 1" - 6 NO. 10 |
| * 1" | 7 NO. 12 | "10 | 1" - 7 NO. 10 |
| * 1" | 8 NO. 12 | "10 | 1 1/4" - 8 NO. 10 |
| * 1 1/4" | 9 NO. 12 | "10 | 1 1/4" - 9 NO. 10 |
- ⊙ CEILING OUTLET, INCANDESCENT. NUMBER DENOTES CIRCUIT, LETTER DENOTES CONTROLLING SWITCH.
 - ⊙ WALL OUTLET, INCANDESCENT.
 - ⊙ LIGHTING FIXTURE SYMBOL. LETTER DENOTES FIXTURE TYPE, NUMBER DENOTES FIXTURE WATTAGE INCLUDING ANY BALLAST LOSSES.
 - ⊙ JUNCTION BOX
 - ⊙ DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE. HUBBEL #750-G & 7418 COVER, 1/2" EXCEPT WHERE NOTED. SWITCH SENS. "C" DENOTES ITEMS CONTROLLED. + 48" EXCEPT WHERE OTHERWISE NOTED. DOUBLE POLE SWITCH MOTOR, SIZE AS NOTED.
 - ⊙ MAGNETIC STARTER - SIEE AS NOTED.
 - W.P. WEATHERPROOF.
 - T.C. TIME CLOCK.
 - ⊙ THERMOSTAT, MOUNTED AT 5'-0"
 - * INDICATES MIN. 5/16" WHEN IN SLAB. SEE SPAC'G.



PLOT PLAN
SCALE: 1"=10'



SINGLE LINE DIAGRAM

GROUND MAIN SWITCHBOARD W/ 1/2" BTW TO NEAREST COLD WATER PIPE.

GENERAL NOTES

1. ALL CONDUIT RUNS SHALL BE RIGID STEEL.
2. ALL EXPOSED CONDUIT SHALL BE RUN IN A NEAT & ORDERLY MANNER CLEARING ALL OBSTACLES AS REQ'D.
3. VERIFY EXACT DIMENSIONS OF MAIN SWBD. W/ SHOP DWGS TO DETERMINE EXACT LOCATION OF ALL STUD UPS.

FIXTURE SCHEDULE

TYPE	WATTAGE	DESCRIPTION	MANUFACTURER
A	300	INCANDESCENT ELM STANDARD PENDANT MOUNTED	SMOOT-HOLMAN #10B18
B	200	INCANDESCENT EXPLOSION RESIST W/METAL SHROUD CEILING MOUNTED	GEORGE-HINGS CYCX115
C	150	INCANDESCENT W.P. WALL MOUNTED	HOLDSPHANG #915 W/OUTLET BOX #0230
D	100	INCANDESCENT W.P. W/SCREEN TYPE RGD 90066	GEORGE-HINGS VDA 175 W/RGD GLOBE #YNBS
E	300	INCANDESCENT DOME REFLECTOR PENDANT MOUNTED	SMOOT-HOLMAN 3818-V50

PANEL "LA" 120/240 V - 1Ø-3W-5/N 75 AMPERE MAIN LUGS ONLY

CIR NO.	BREAKER AMP	POLES	LTG.	REC.	OTHER	LOAD (WATTS)	REMARKS
1	200	1	7			1650	
3			6			1600	
2				3		600	
4						500	SPARE
5					1/2 HP FAN	612	DRY WELL
7						612	EXX. TIME SWITCHED
6						612	WET WELL
8						612	EXX. TIME SWITCHED
9						612	SWBD RTR. EXX.
11						612	THERMOSTAT CONTROLLED
10		1			1/2 HP	850	SUMP PUMP
12		1				850	COMPRESSOR
13						500	QUIBBLER SYSTEM
14							SPARE
15							SPACE ONLY
16							
TOTAL 5						5456	52%
TOTAL = 10722 W. @ 200V = 44.6 AMPS							

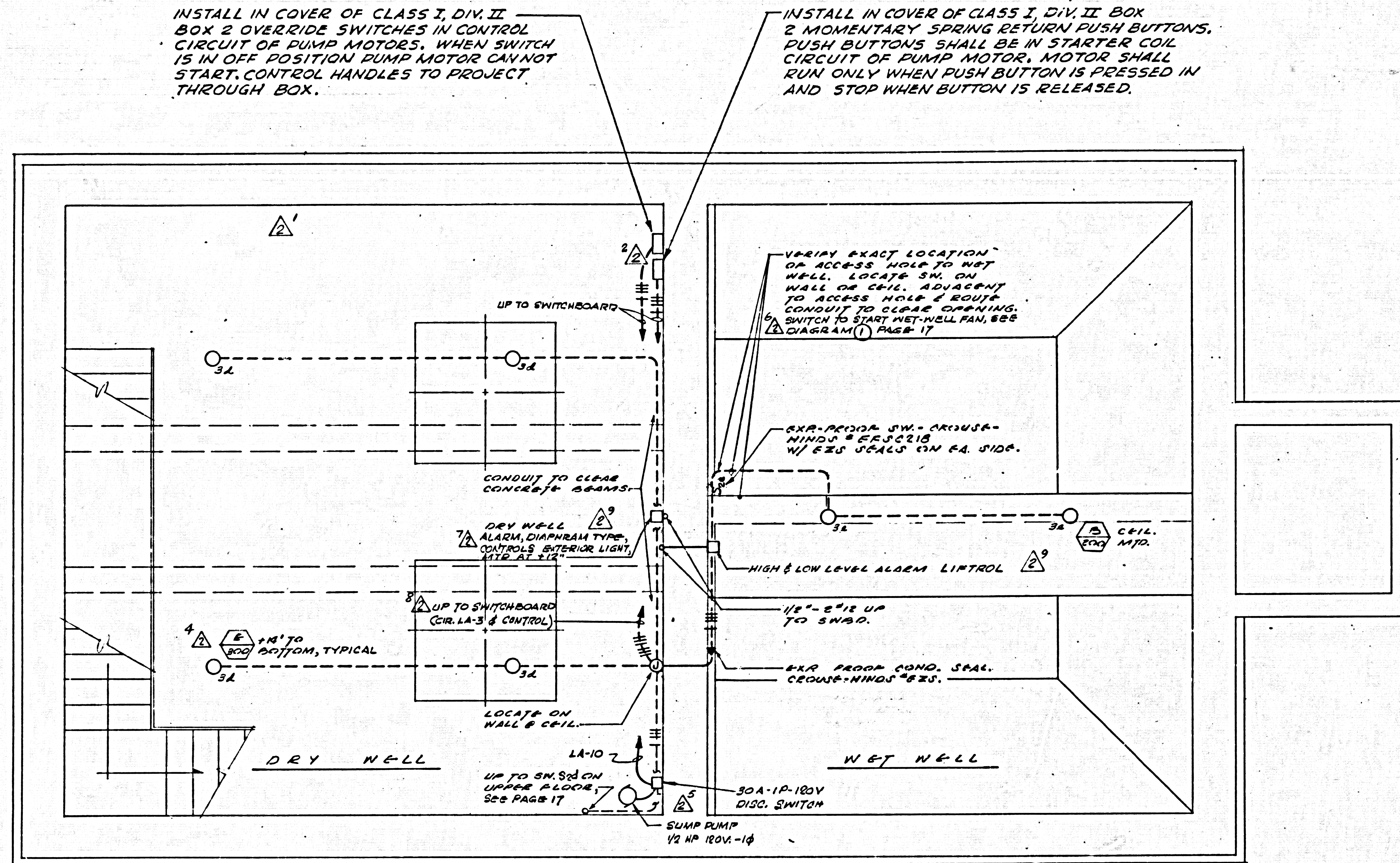
REV. NO.	DATE	REVISION	REV. BY	CHK. BY
1	1-19-62	REVISIONS PER COUNTY REQUIREMENTS	I.B.	P.F.A.

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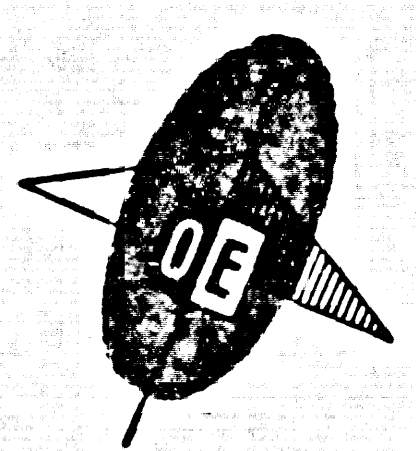
CAPITAL COMPANY
Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION NO. 1
ELECTRICAL
PLOT PLAN & SINGLE LINE DIAGRAM

DESIGNED: V.A.D.
DRAWN: V.A.D.
CHECKED: J. K. ...
APPROVED: *Allen ...*
DATE: NOV 8 - 1961
JOB NO.: 59509B
REV. NO.: 5-1



- NOTES**
- ELECTRICAL WORK IN WET WELL SHALL CONFORM TO THE STATE OF CALIFORNIA CODE FOR HAZARDOUS AREA, CLASS I DIVISION I.
 - ELECTRICAL WORK IN DRY WELL SHALL CONFORM TO THE STATE OF CALIFORNIA CODE FOR HAZARDOUS AREA, CLASS I DIVISION II.



LOWER FLOOR PLAN
SCALE: 1/8" = 1'-0"

REV. NO.	DATE	REVISION	REV. BY	CHK. BY
1	1-19-62	REVISIONS PER COUNTY REQUIREMENTS	J.B. PRR	

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Los Angeles, California

CAPITAL COMPANY
Diamond Bar, California

DIAMOND BAR SEWAGE PUMP STATION, NO. 1
ELECTRICAL
LOWER FLOOR PLAN

DESIGNED BY V.A.D.	APPROVED BY <i>H. W. ...</i>	JOB NO. 52509B
DRAWN BY V.A.D.	DATE NOV 8 - 1961	REV. NO. E-3
CHECKED BY <i>H. W. ...</i>		REV. NO. 2