

CONSTRUCTION PLANS FOR

6 MG CELESTIAL ROAD GROUND STORAGE TANK

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2	PLAN AND SECTIONS
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7	TYPE "A" HEADWALL DETAILS
8	TYPE "B" HEADWALL DETAILS

MAYOR:
JERRY REDDING

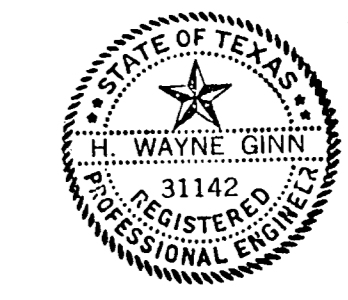
CITY MANAGER:
RON WHITEHEAD

COUNCIL MEMBERS:
STEWART BEATTY
GREG COLE
BARRY FINKELSTEIN
RICHARD RODER
LYNN SPRULL

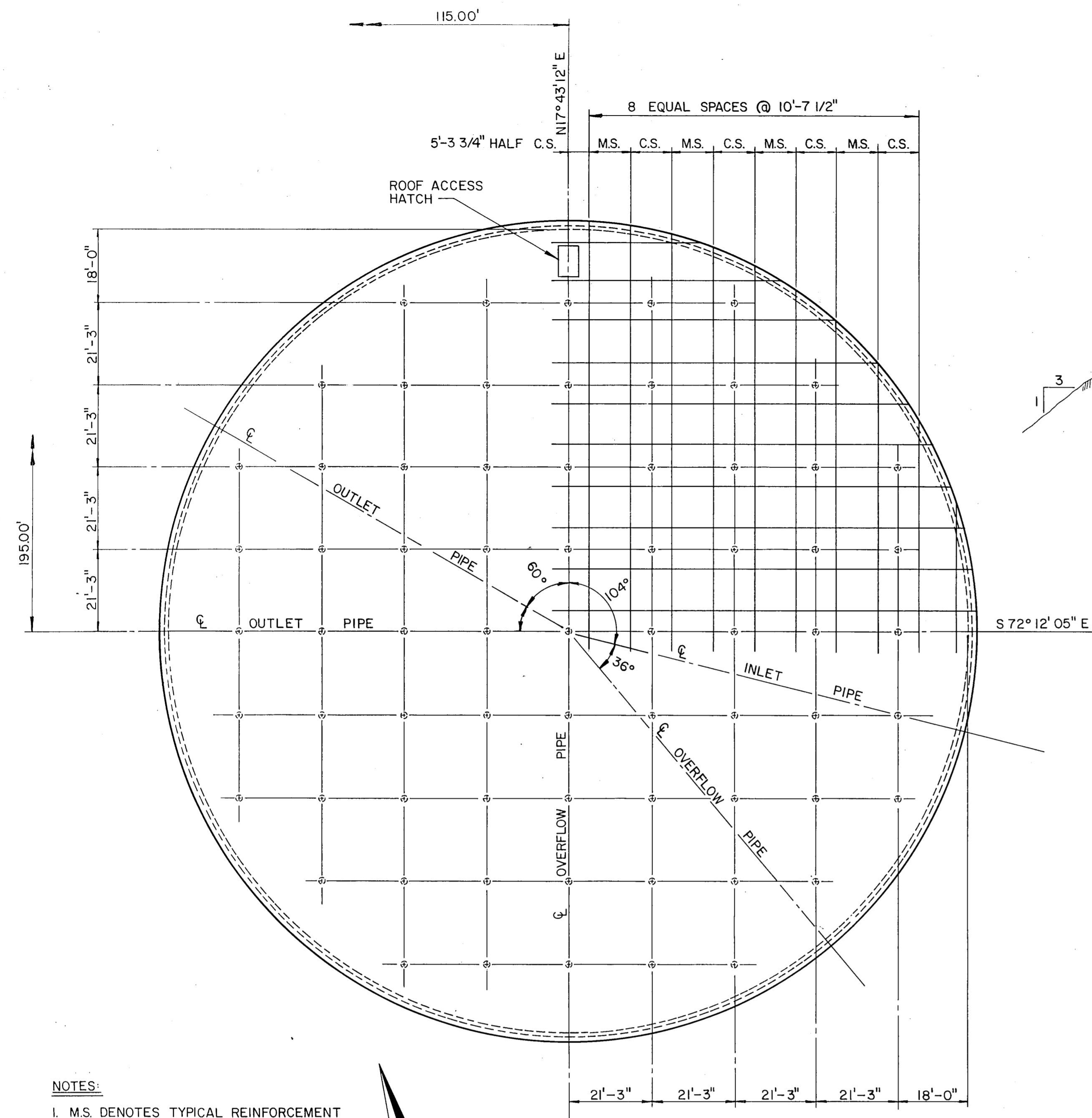
PROJECT LOCATION

RECORD COPY

Appr ved by: Jerry Redding Date: 5-8-86
Jerry Redding, Mayor of Addison

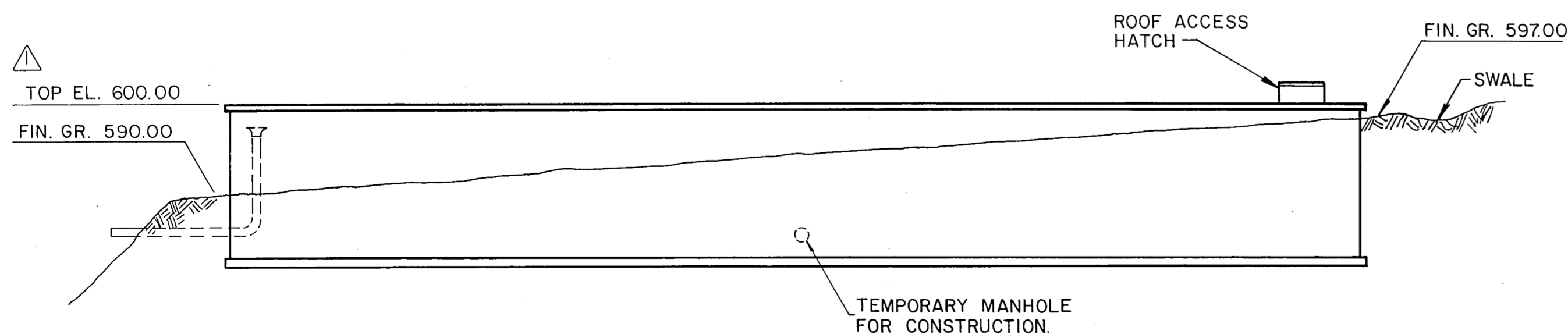


GINN, INC.
Consulting Engineers Dallas, Texas

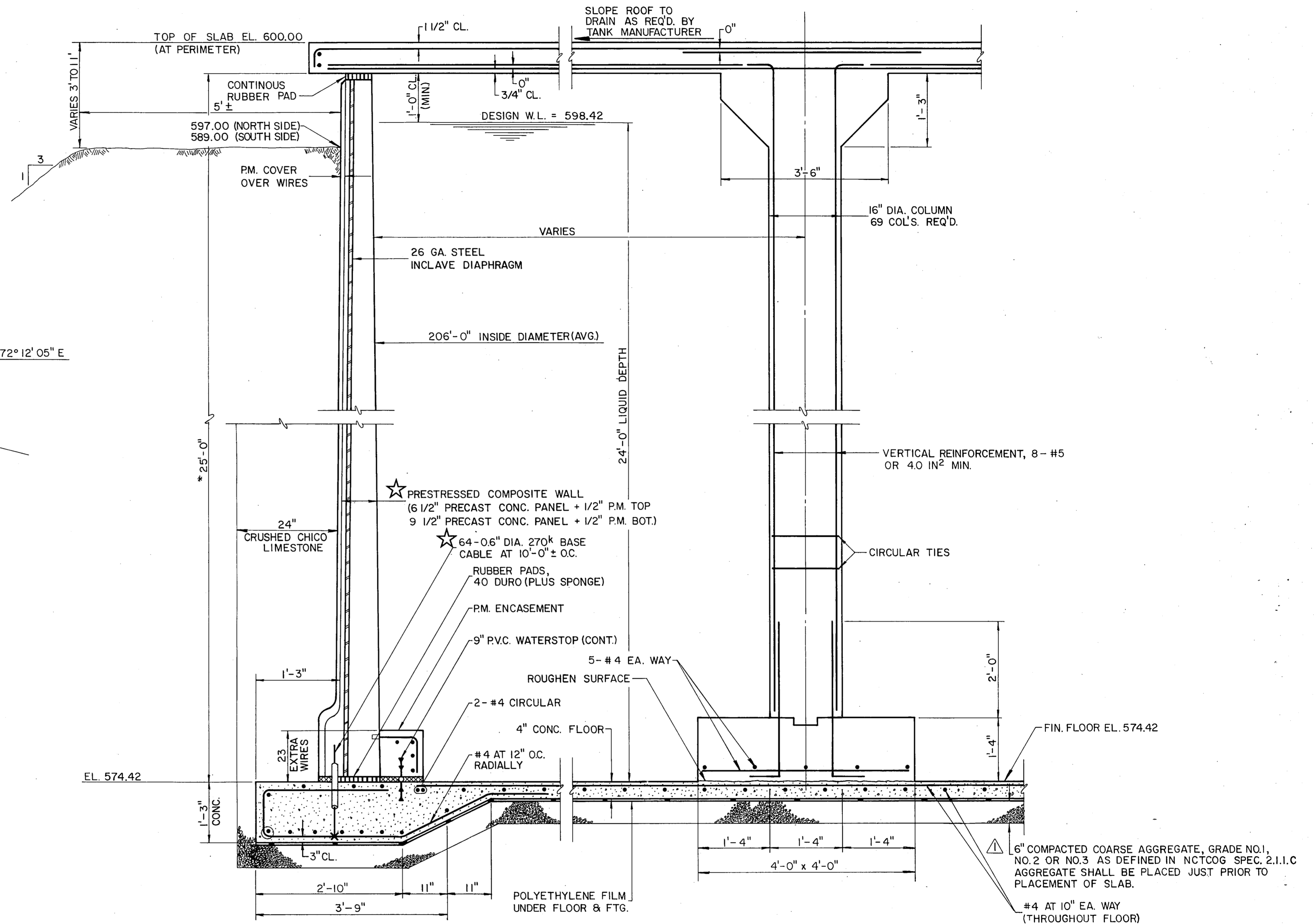


- NOTES:
1. M.S. DENOTES TYPICAL REINFORCEMENT THRU MIDDLE STRIP.
 2. C.S. DENOTES TYPICAL REINFORCEMENT THRU COLUMN STRIP.

★ ROOF PLAN
N.T.S.



ELEVATION (LOOKING WEST)
N.T.S.



★ SECTION THRU COLUMN STRIP
N.T.S.

NOTE: MAXIMUM SOIL PRESSURE = 10,000 P.S.F.

- ★ HORIZONTAL PRESTRESSING WIRES AT 150,000 P.S.I. INITIAL AND 120,000 P.S.I. DESIGN STRESS WITH 61 WIRES/FT. AT BOTTOM TO 14 WIRES/FT. AT 6'-0" FROM TOP OF WALL AND 14 WIRES/FT. TO TOP OF WALL.
WIRE DIAMETER BEFORE PRESTRESSING = 0.192"
DIE DIAMETER = 0.164"

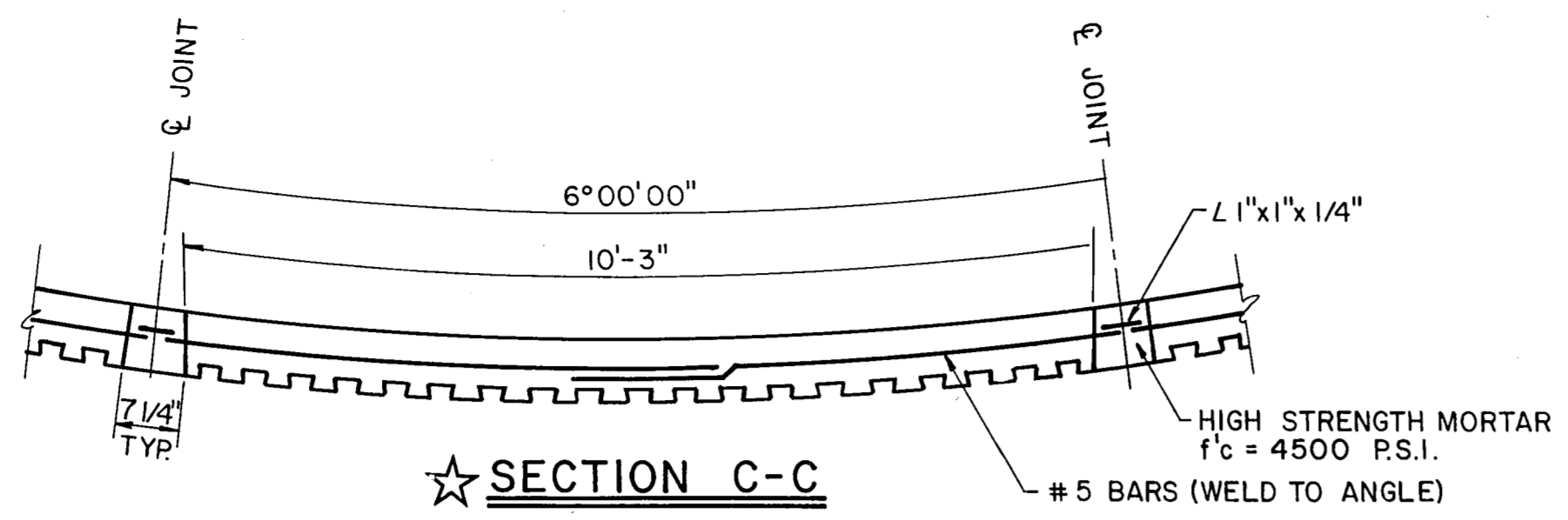
NOTES:

1. P.M. = PNEUMATIC MORTAR
2. MINIMUM 28 DAY CONCRETE CYLINDER STRENGTHS:
FLOOR, FOOTING & COLUMN FOOTING 3000 P.S.I.
ROOF SLAB 4000 P.S.I.
COLUMN CONCRETE 4000 P.S.I.
★ WALL CONCRETE 4500 P.S.I.
PNEUMATIC MORTAR 4500 P.S.I.
3. ROOF LIVE LOAD = 100 PSF.
4. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GR-60.

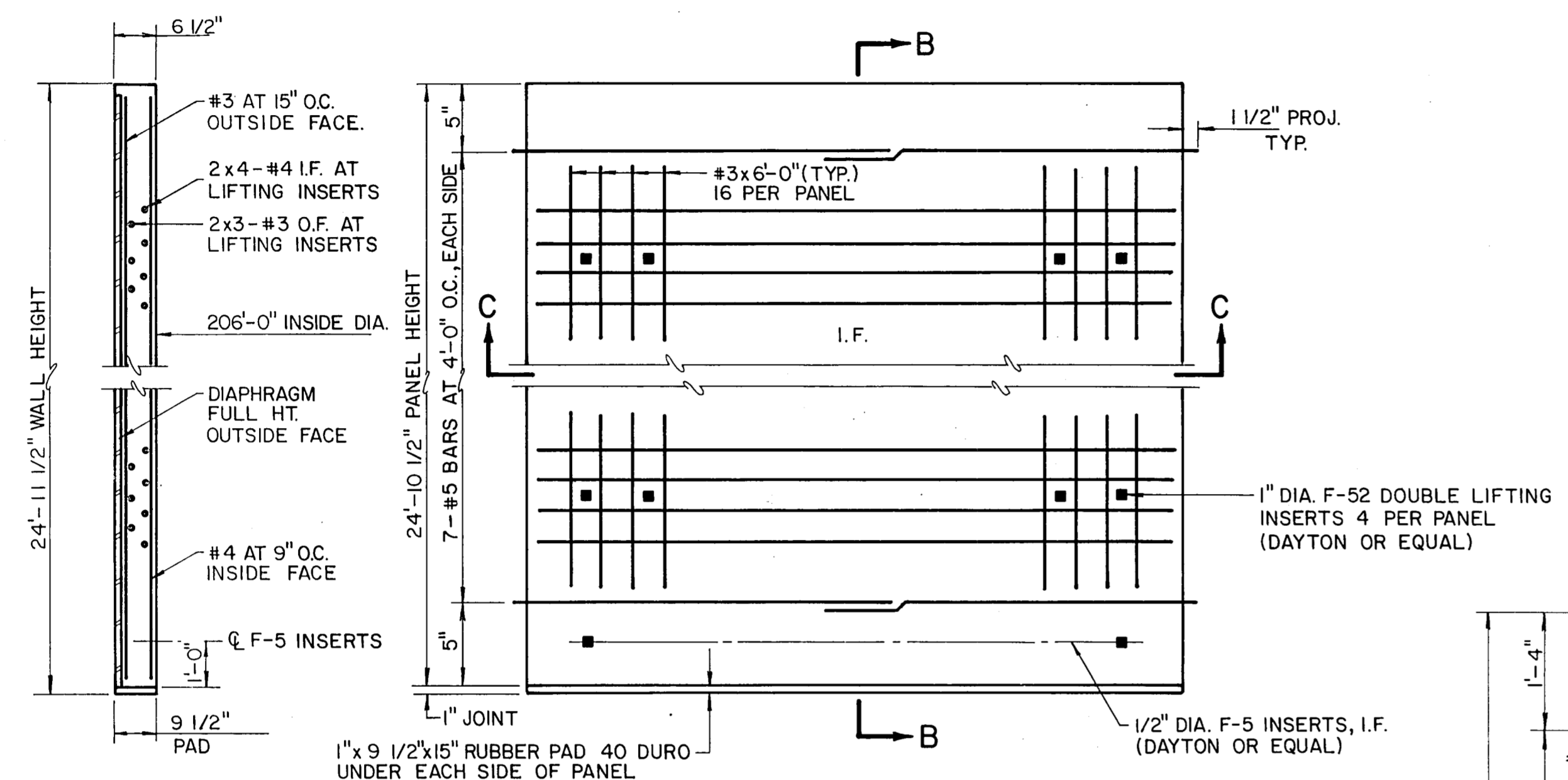
RECORD COPY



REVISION TOP OF TANK ELEVATIONS		RCH	5-7-86
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
6 MG CELESTIAL ROAD STORAGE TANK			
PLAN AND SECTIONS			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - ALA	Date - FEB., 1986	Job No. - 215
Approved - HWG	Checked - GF	Scale - AS SHOWN	Sheet 2 of 8

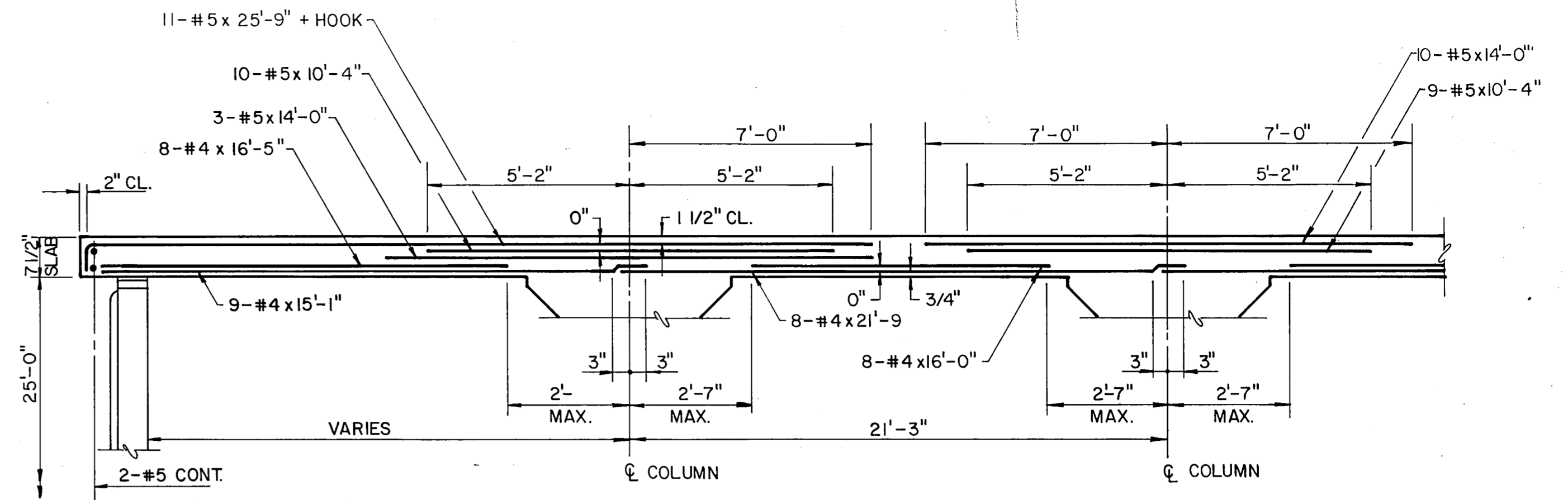


★ SECTION C-C

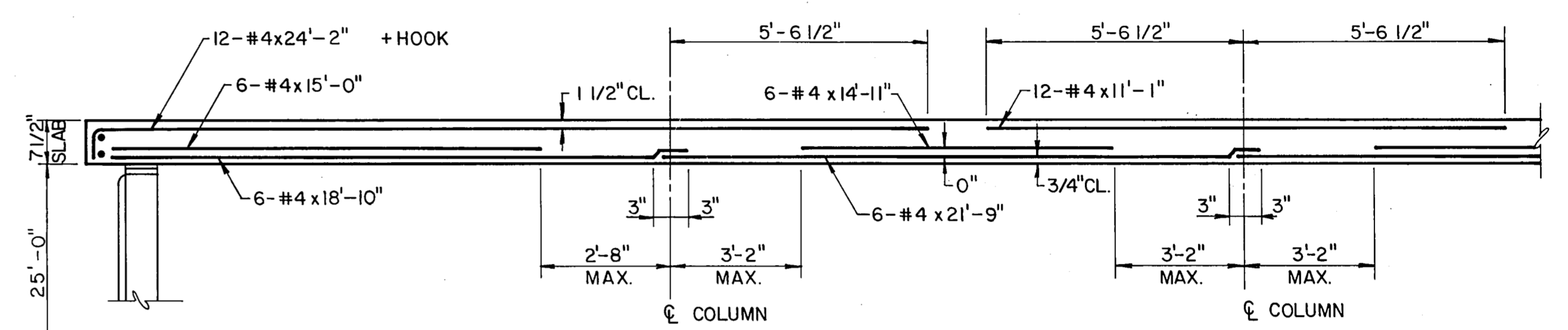


★ SECTION B-B

★ PANEL ELEVATION
★ (60 REQ'D.)

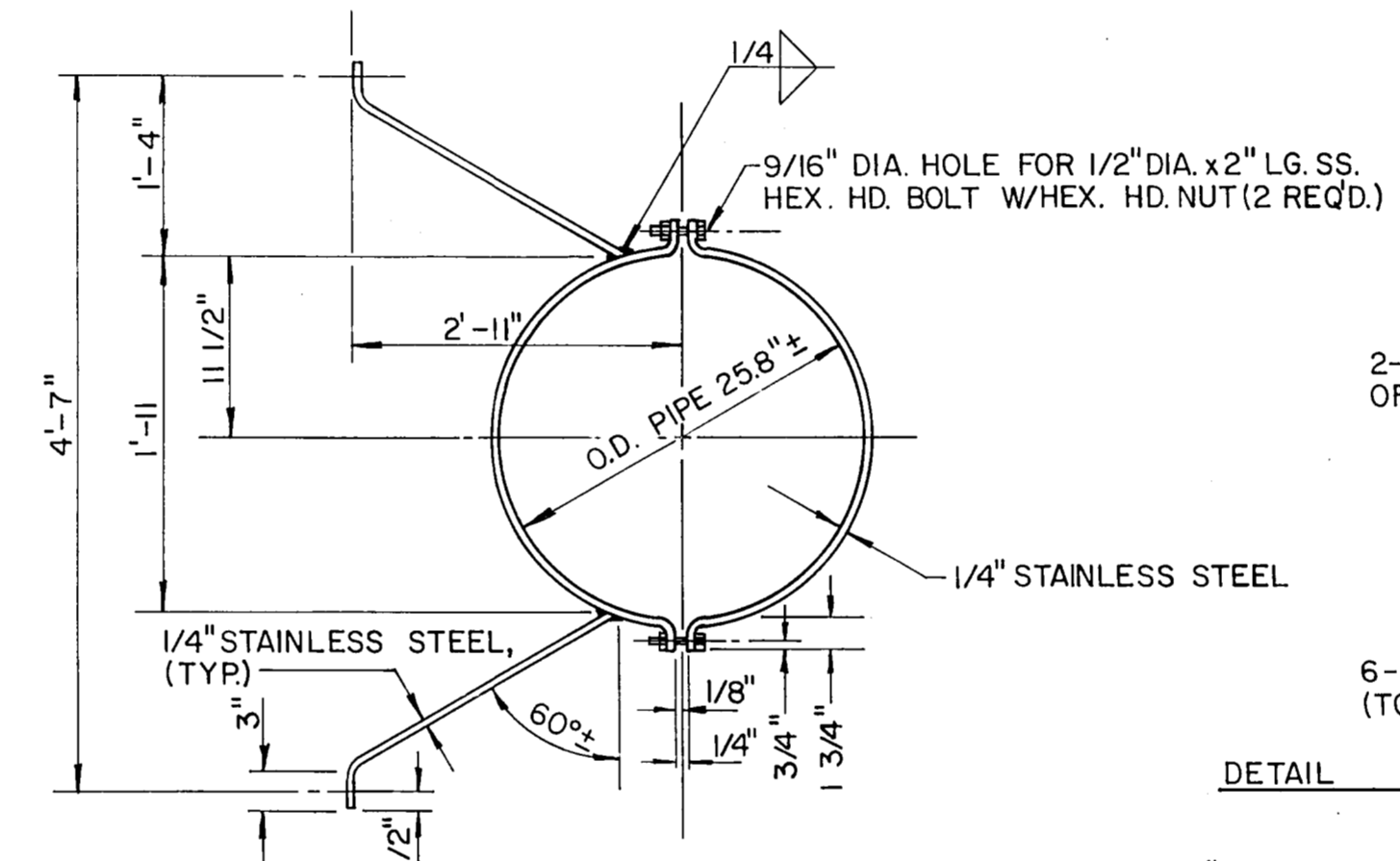


★ REINFORCEMENT THRU COLUMN STRIP

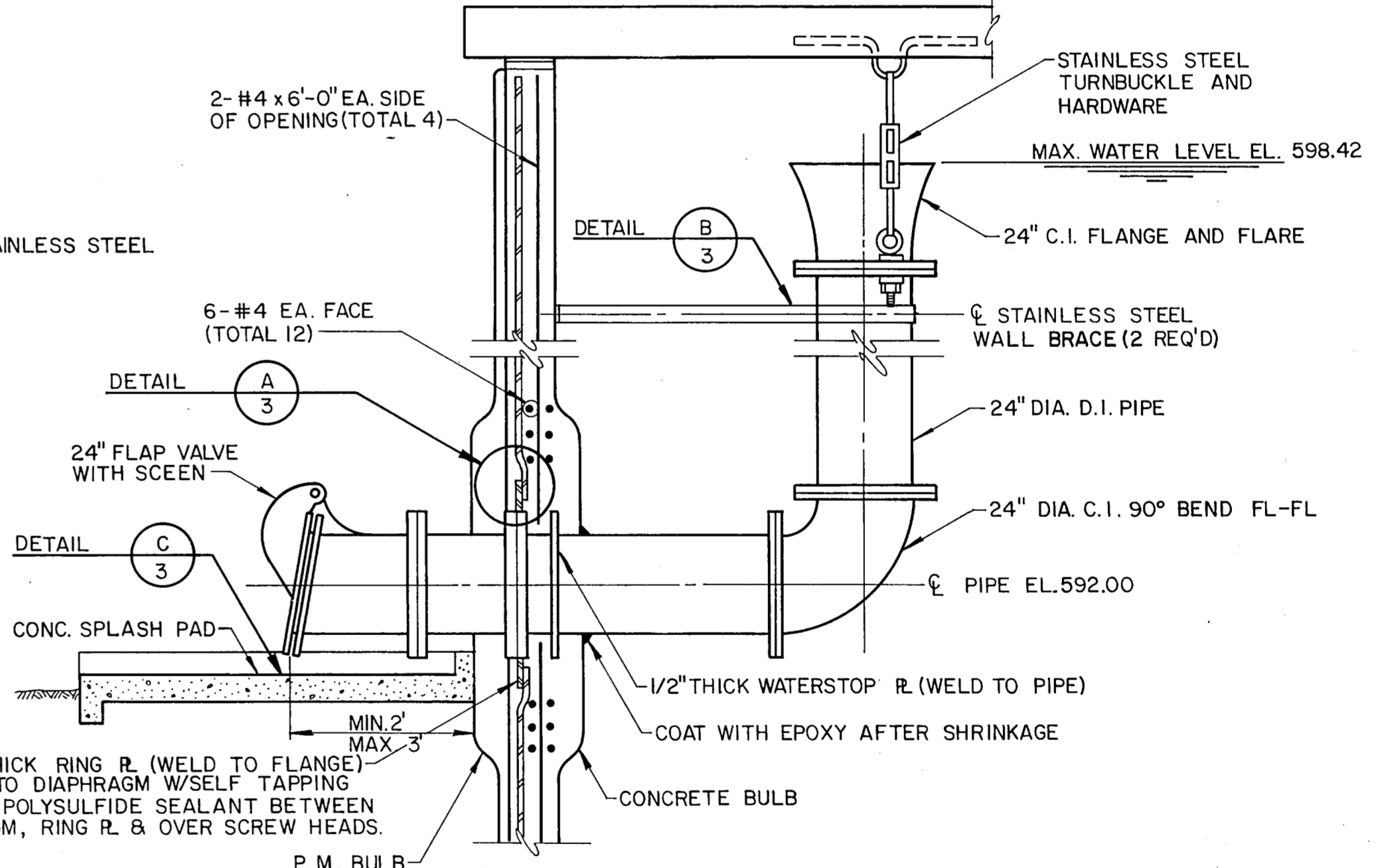


★ REINFORCEMENT THRU MIDDLE STRIP

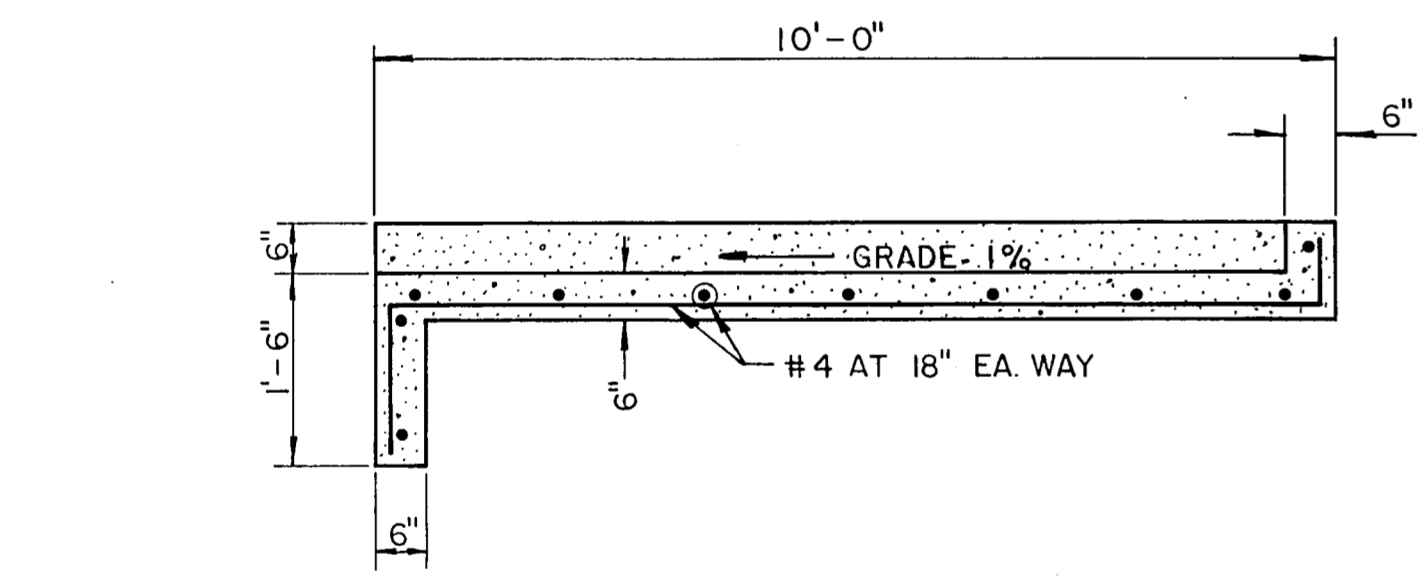
REINFORCEMENT SHOWN IN ONE DIRECTION ONLY FOR CLARITY



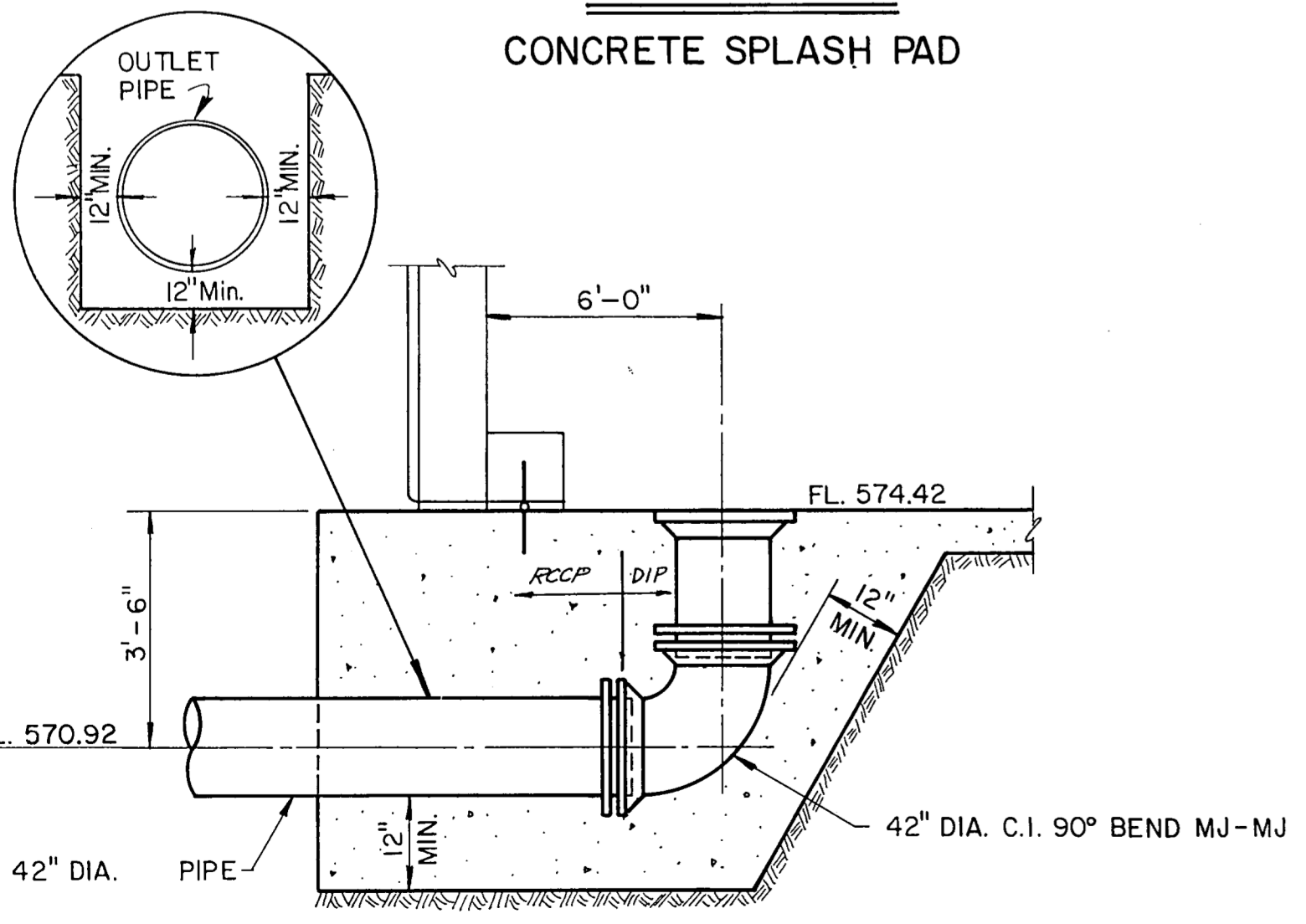
DETAIL B



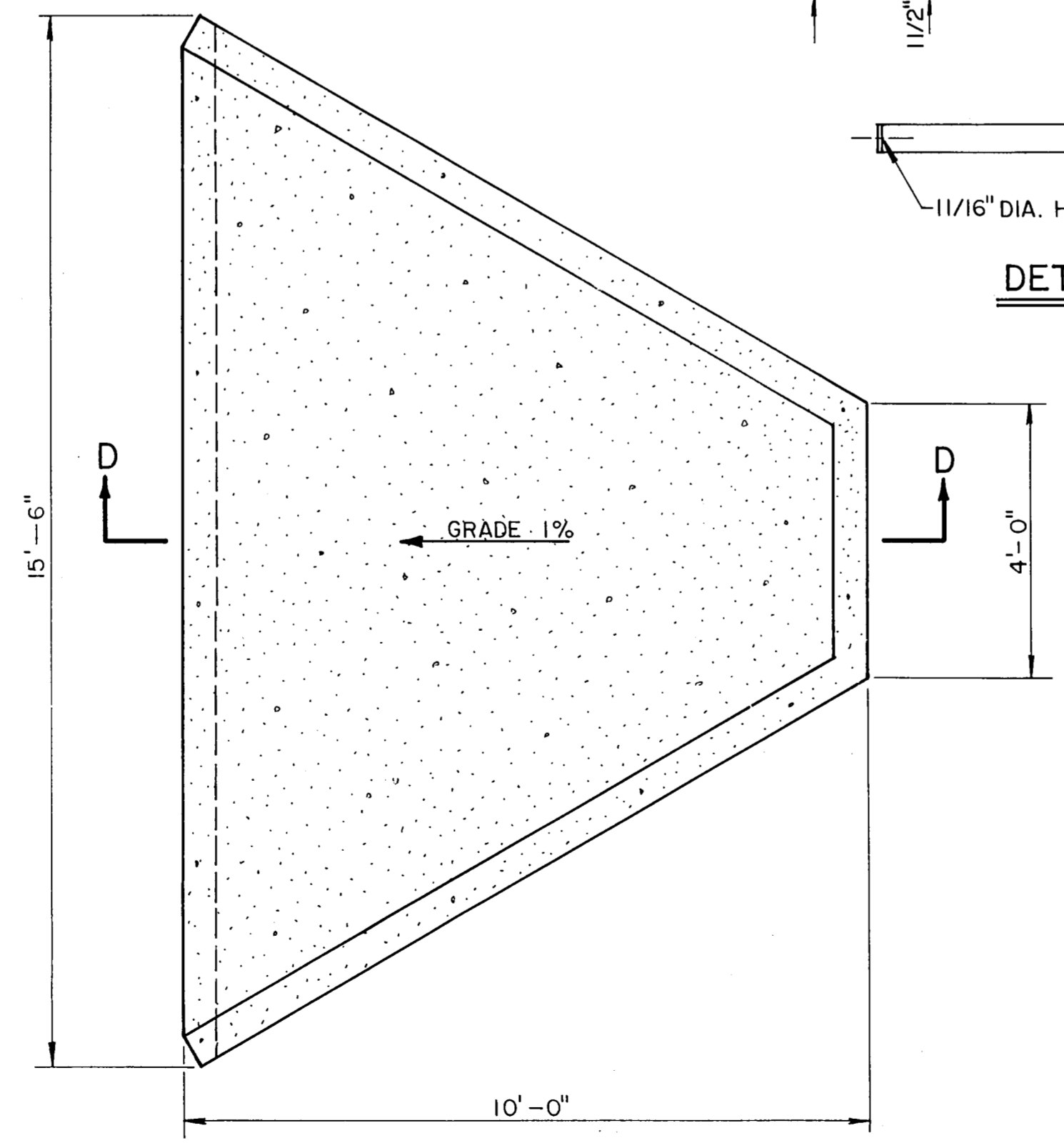
OVERFLOW DETAIL



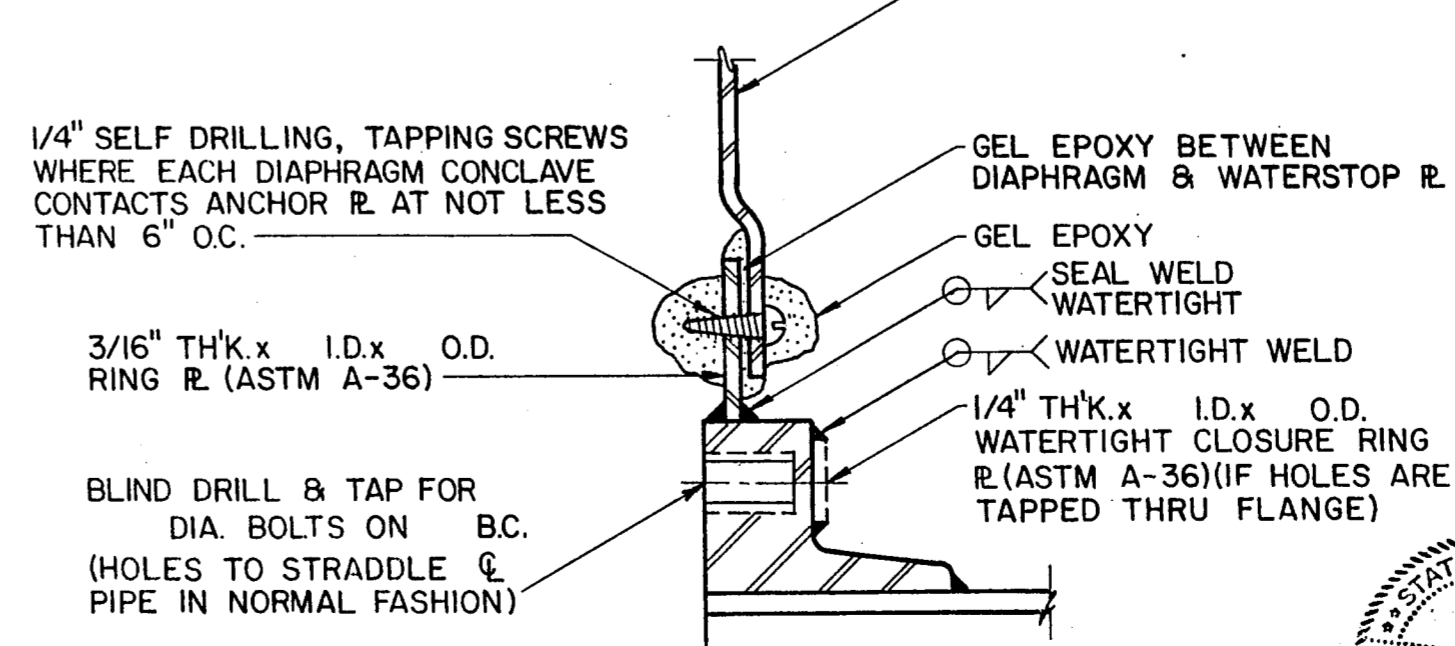
SECTION D-D
CONCRETE SPLASH PAD



OUTLET PIPE DETAIL



DETAIL C

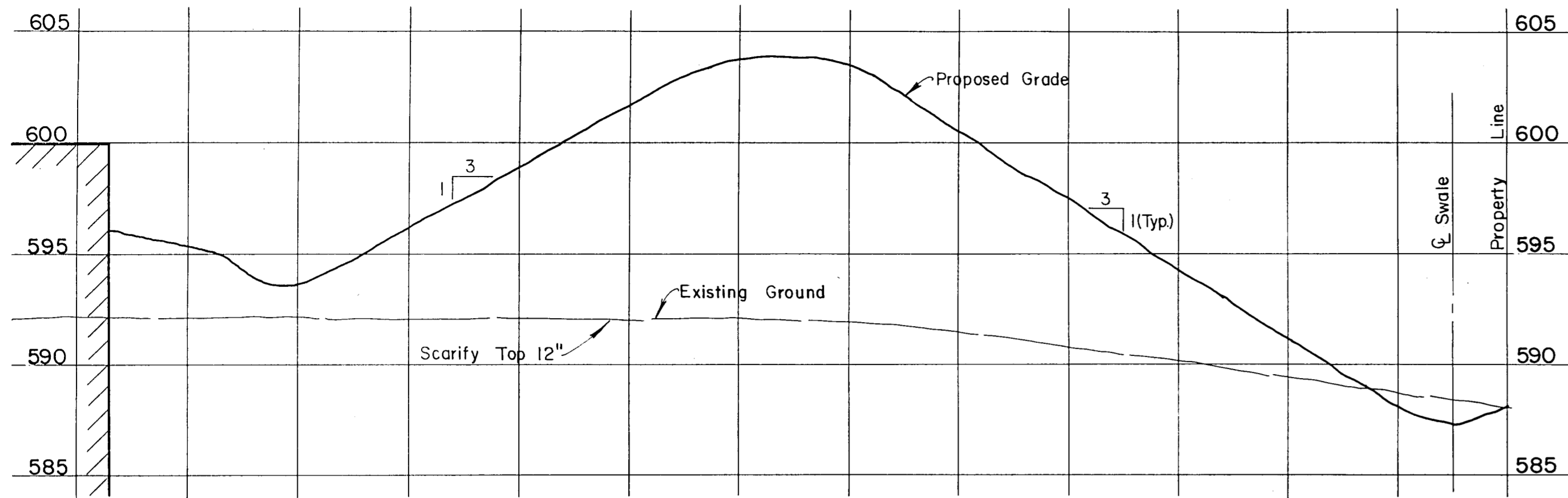


DETAIL A

RECORD COPY

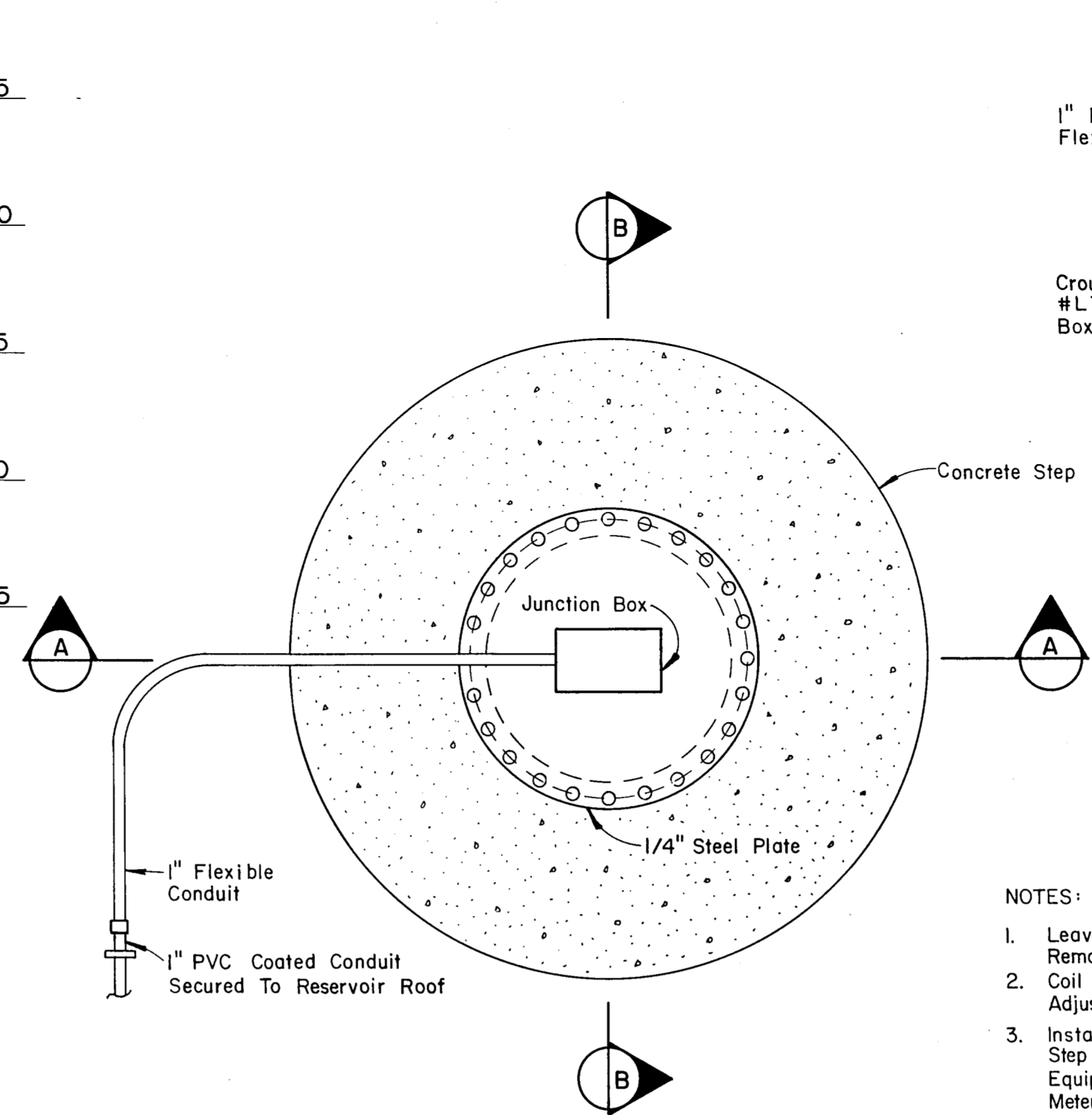
CLARIFY OUTLET PIPE DETAIL		1/27/86	5-7-86
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
6 MG CELESTIAL ROAD STORAGE TANK			
MISCELLANEOUS TANK DETAILS			
GINN, INC.			
Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - ALA	Date - FEB. 1986	Job No. - 215
Approved - HWG	Checked - GF	Scale - NOT TO SCALE	Sheet 3 of 8





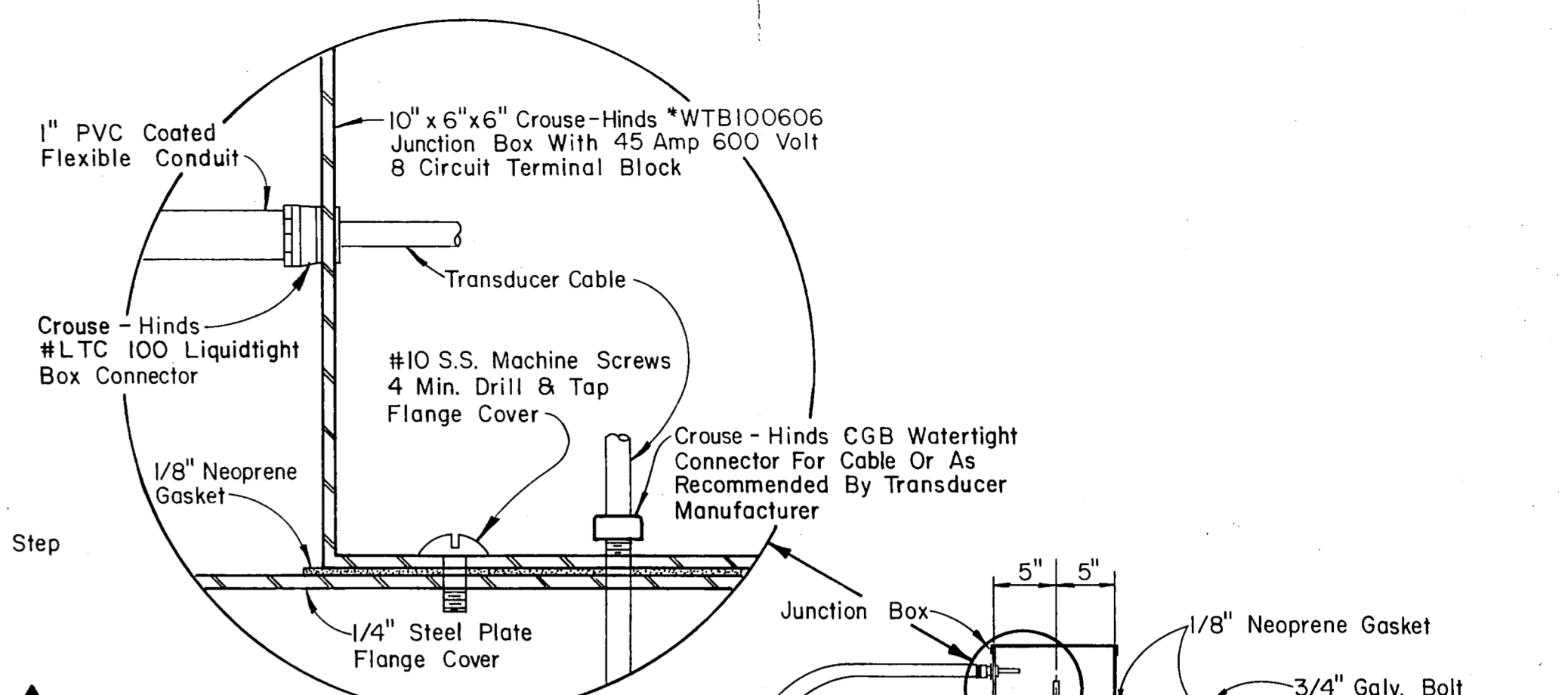
BERM SECTION

Scale: H: 1" = 10'
V: 1" = 5'



PLAN SONIC LEVEL TRANSMITTER

Scale: 1" = 1'-0"

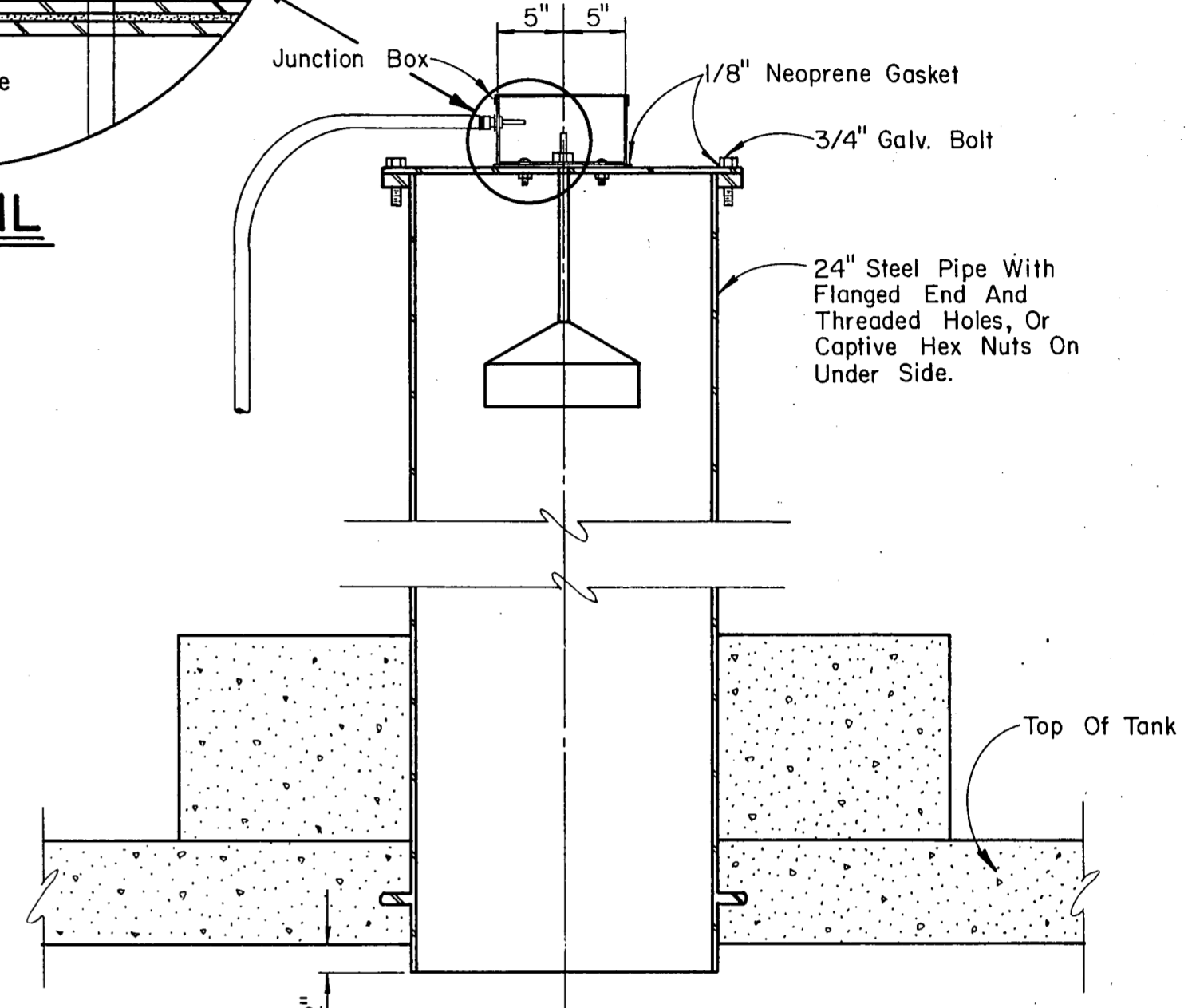


DETAIL

N.T.S.

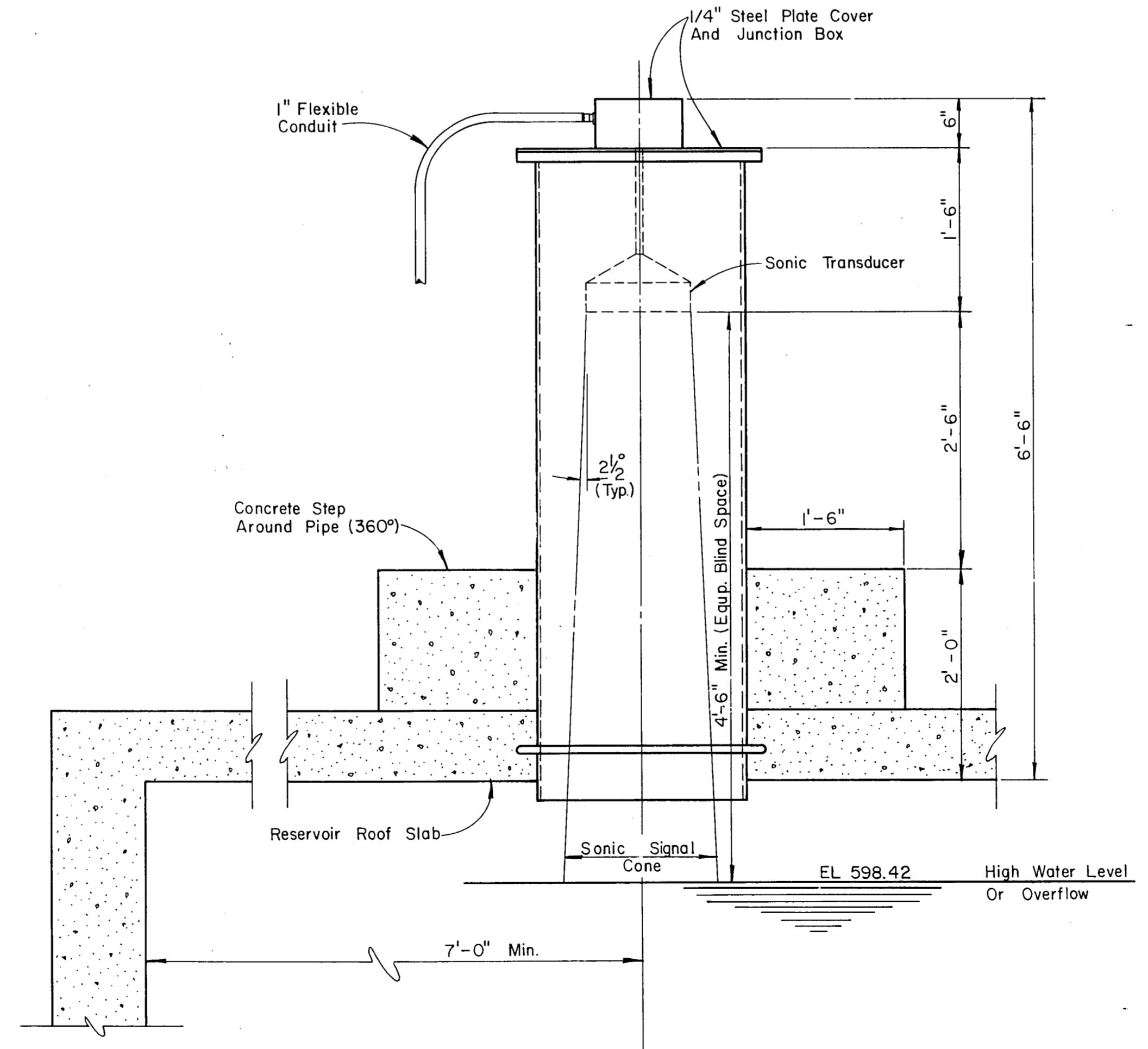
NOTES:

1. Leave Slack In Flexible Conduit For Removal Of Cover Plate.
2. Coil Excess Cable In Box For Future Adjustments.
3. Installation Of 24" Steel Pipe And Step Will Be By Reservoir Contractor. Equipment Will Be Installed By Meter Vault Contractor.
4. Install Transducer On A Radius Line A Minimum Of 90° From The Inlet And Overflow.



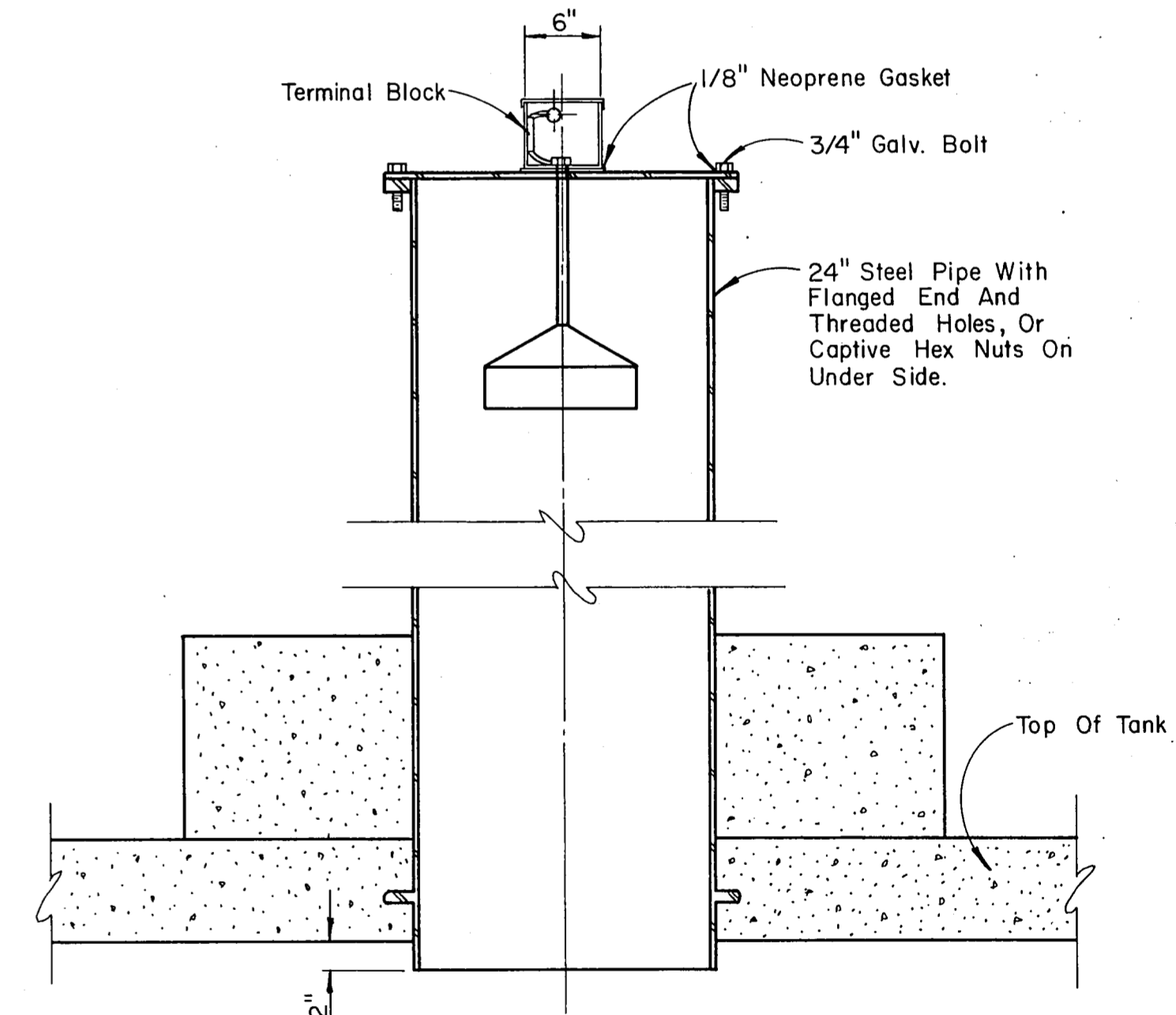
SECTION A-A

Scale: 1" = 1'-0"



ELEVATION

Scale: 1" = 1'-0"



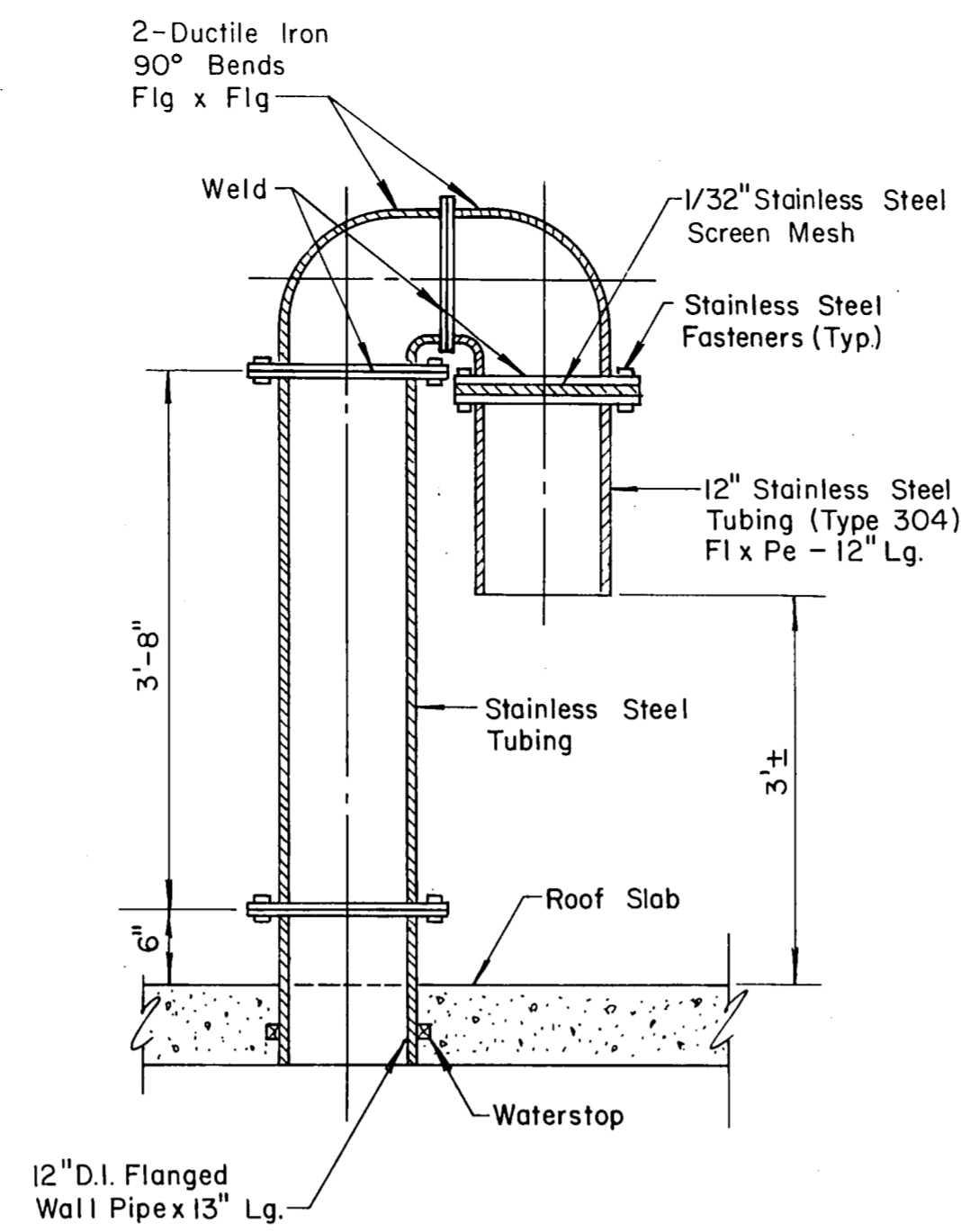
SECTION B-B

Scale: 1" = 1'-0"

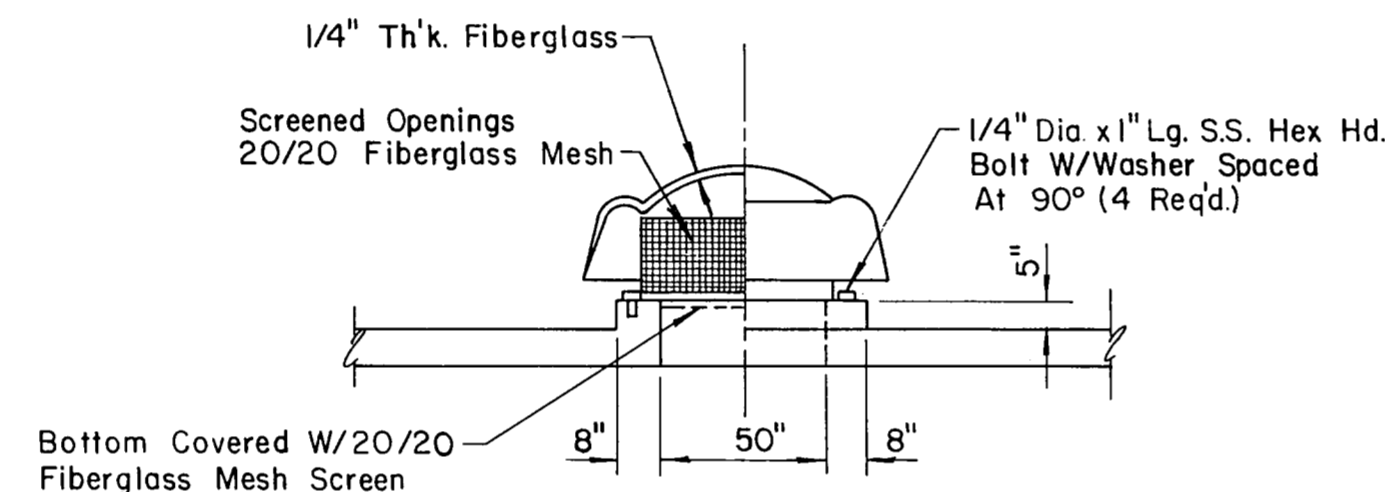
RECORD COPY

SONIC LEVEL TRANSMITTER ADDENDUM #1		RCH	5-7-86
No.	Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS			
6 MG CELESTIAL ROAD STORAGE TANK			
MISCELLANEOUS TANK DETAILS			
GINN, INC. Consulting Engineers Dallas, Texas			
Designed - RCH	Drawn - ALA	Date - FEB. 1986	Job No. - 215
Approved - HWG	Checked - GF	Scale - AS SHOWN	Sheet 4 of 8

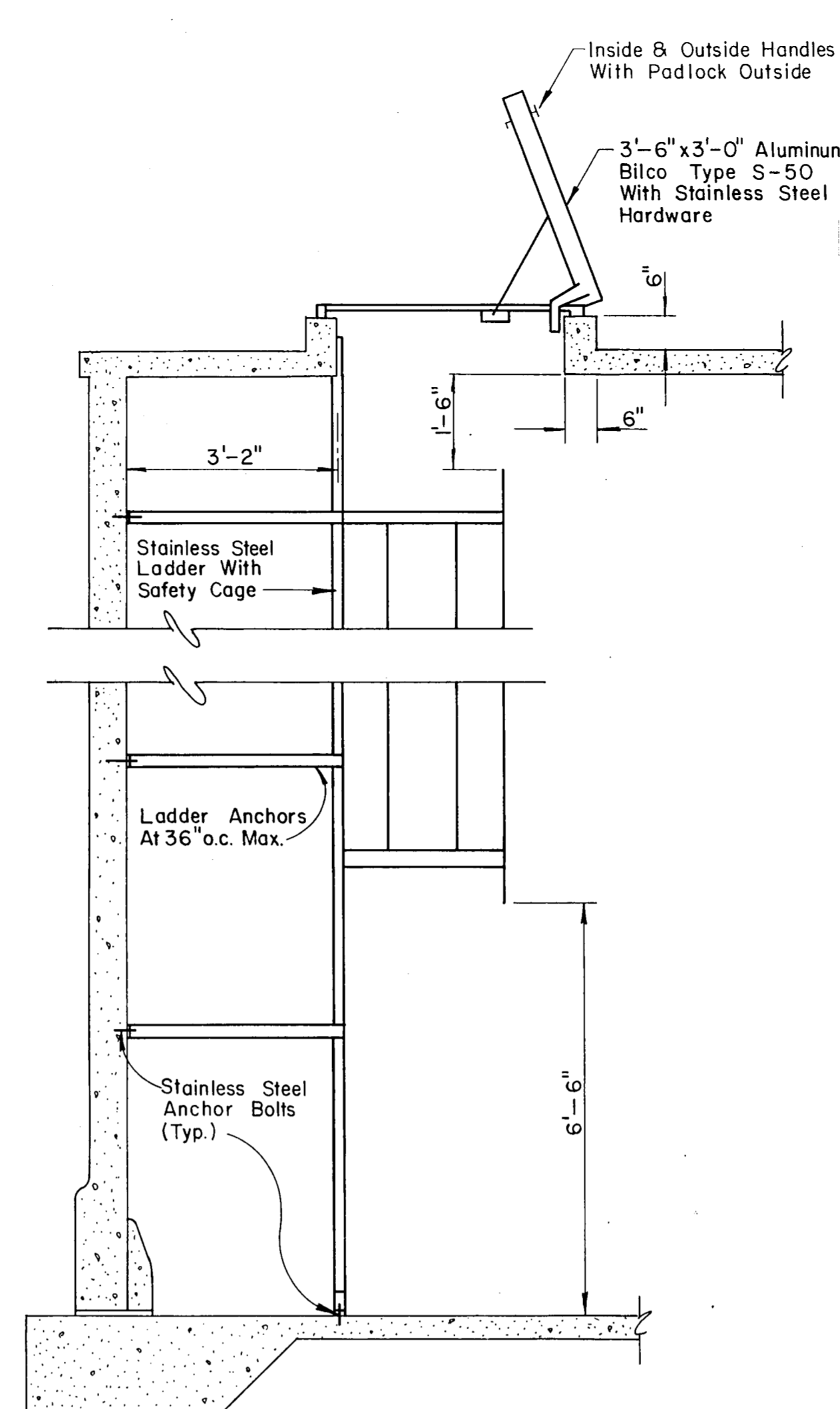




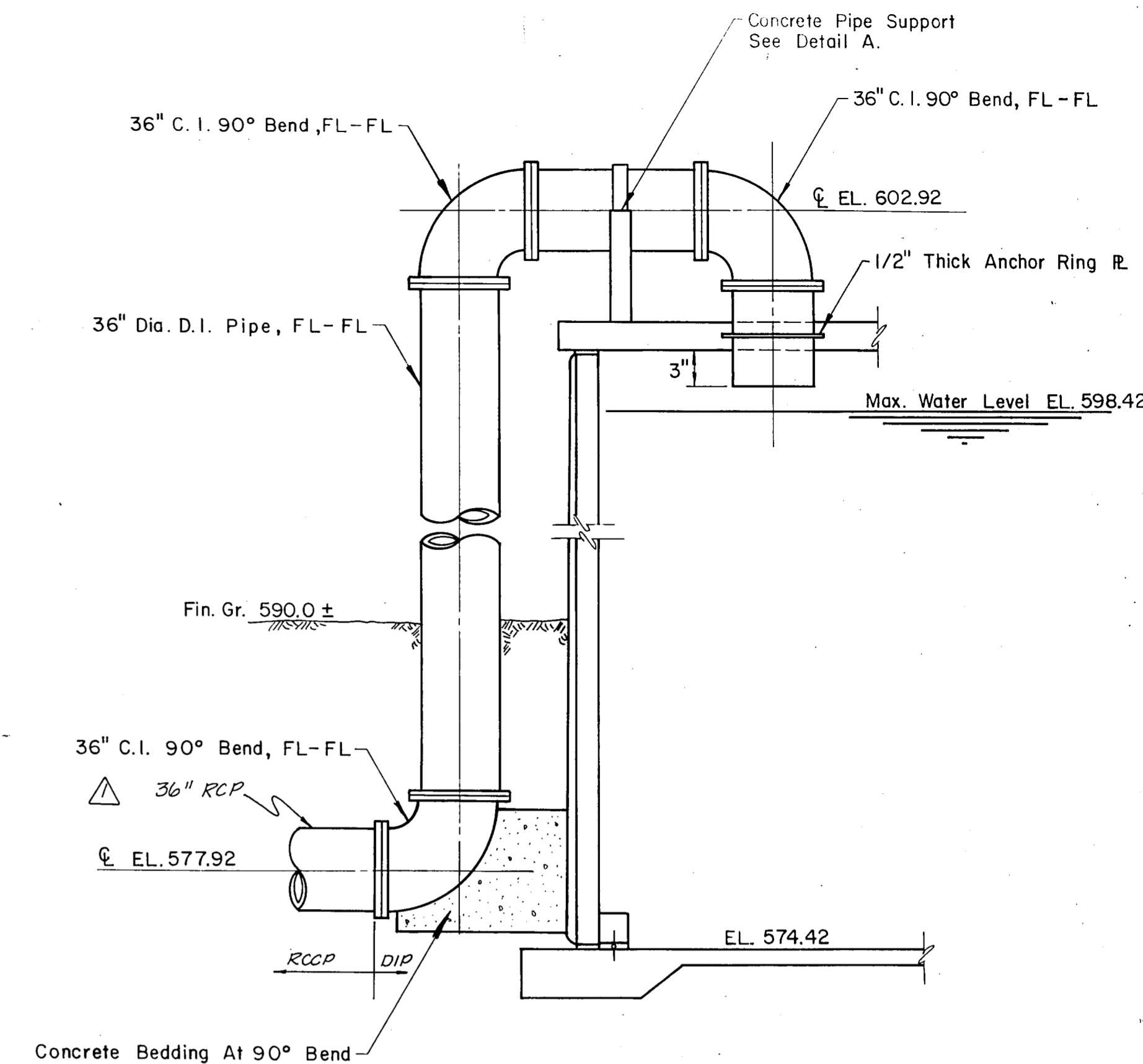
**ROOF VENT
ALTERNATIVE I**



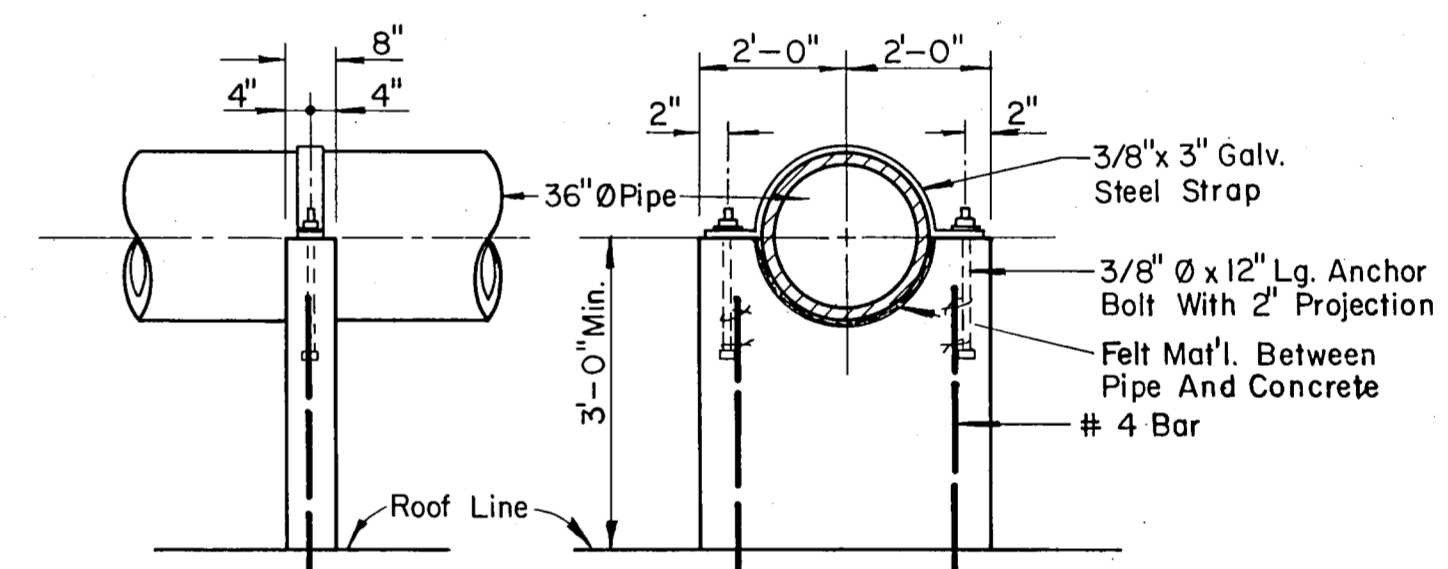
**ROOF VENT
ALTERNATIVE II**



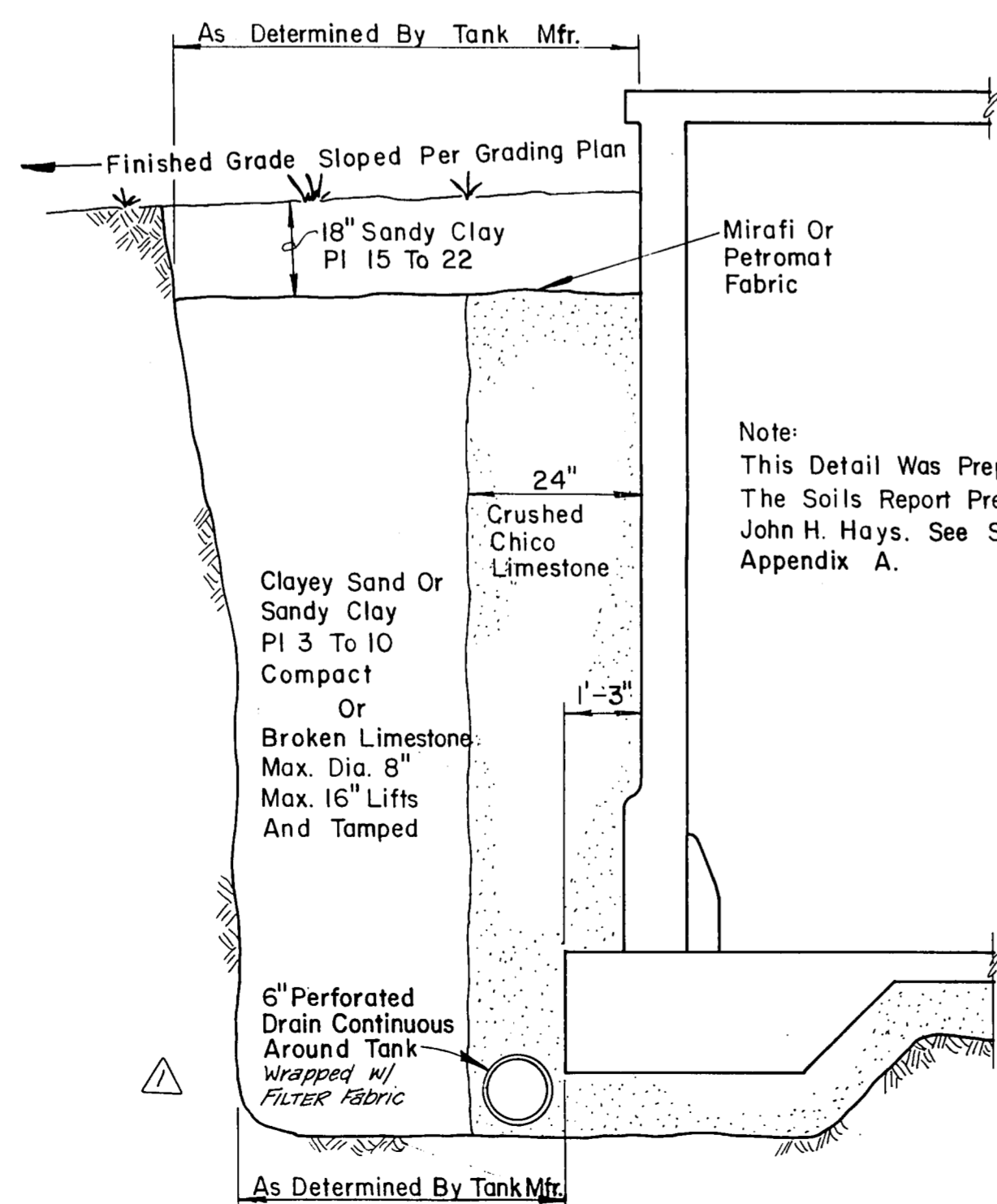
**ACCESS LADDER
AND HATCH DETAIL**



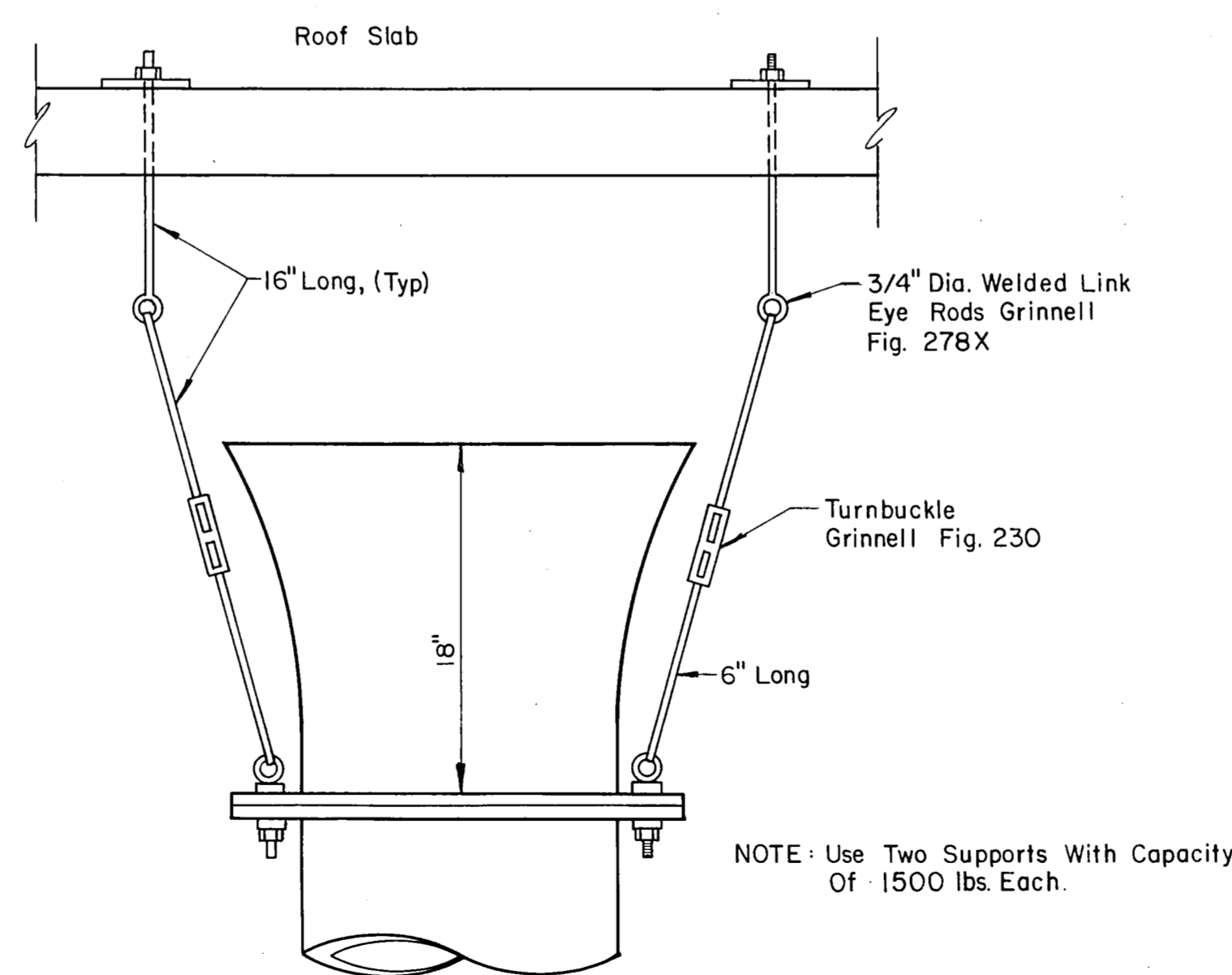
INLET PIPE



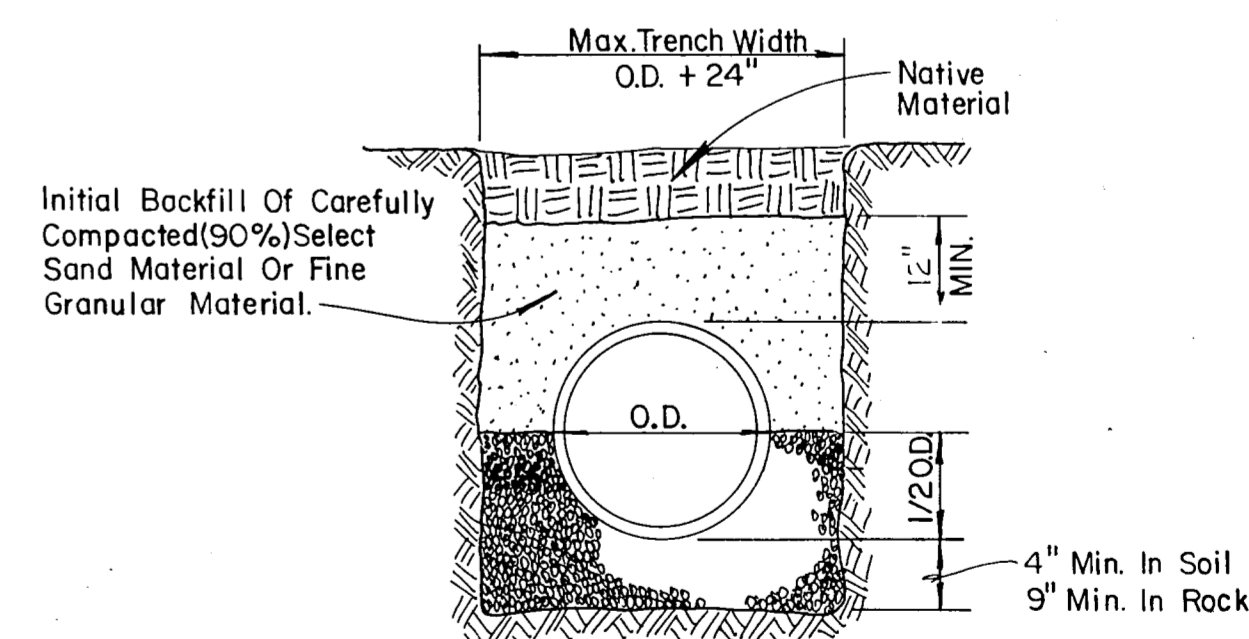
DETAIL A



TANK BACKFILL DETAIL



PIPE SUPPORT



**EMBEDMENT DETAIL
FOR WATERLINES**

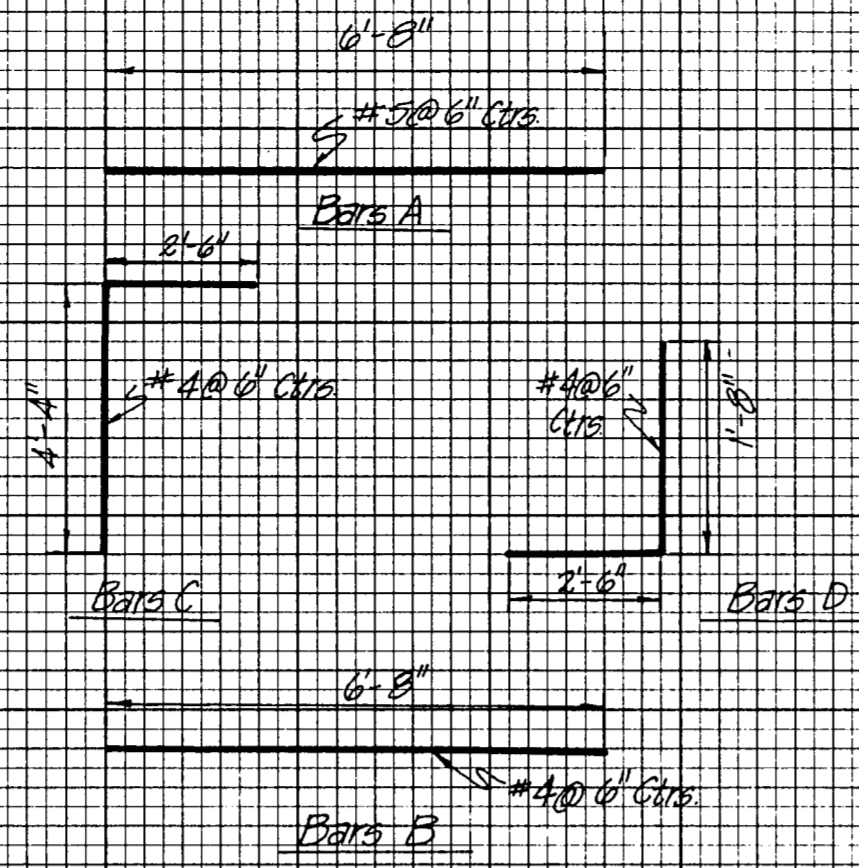
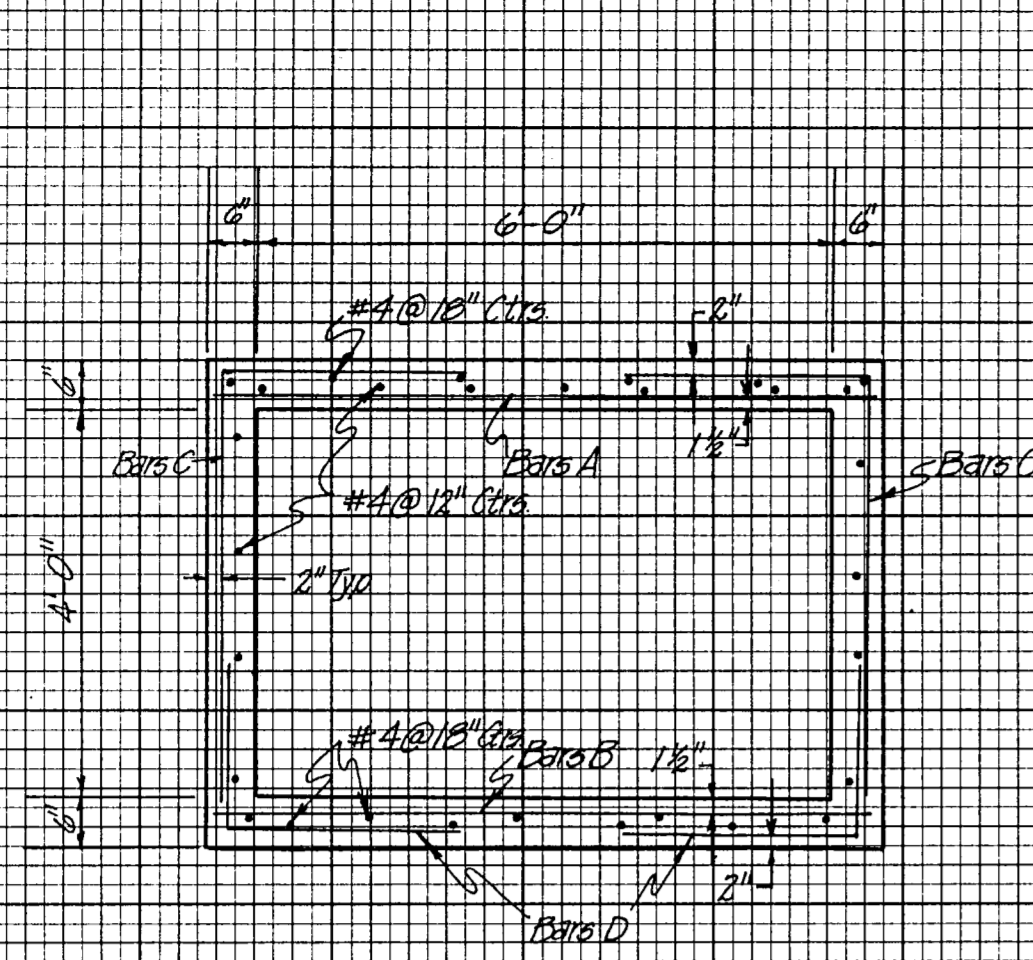
RECORD COPY



ADDENDUM # 1		Revision	By	Date
No.				
TOWN OF ADDISON DALLAS COUNTY, TEXAS 6 MG CELESTIAL ROAD STORAGE TANK MISCELLANEOUS TANK DETAILS GINN, INC. Consulting Engineers Dallas, Texas				
Designed - RCH	Drawn - ALA	Date - FEB. 1986	Job No. - 215	
Approved - HWG	Checked - GF	Scale - NOT TO SCALE	Sheet 5 of 8	

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 FINAL SURVEY _____
 NOTE BOOK _____
 TEMPLATE _____
 NO. _____
 AREAS CHECKED _____

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 ORIGINAL SURVEY _____
 NOTE BOOK _____
 AREAS CHECKED _____



BAR DETAILS

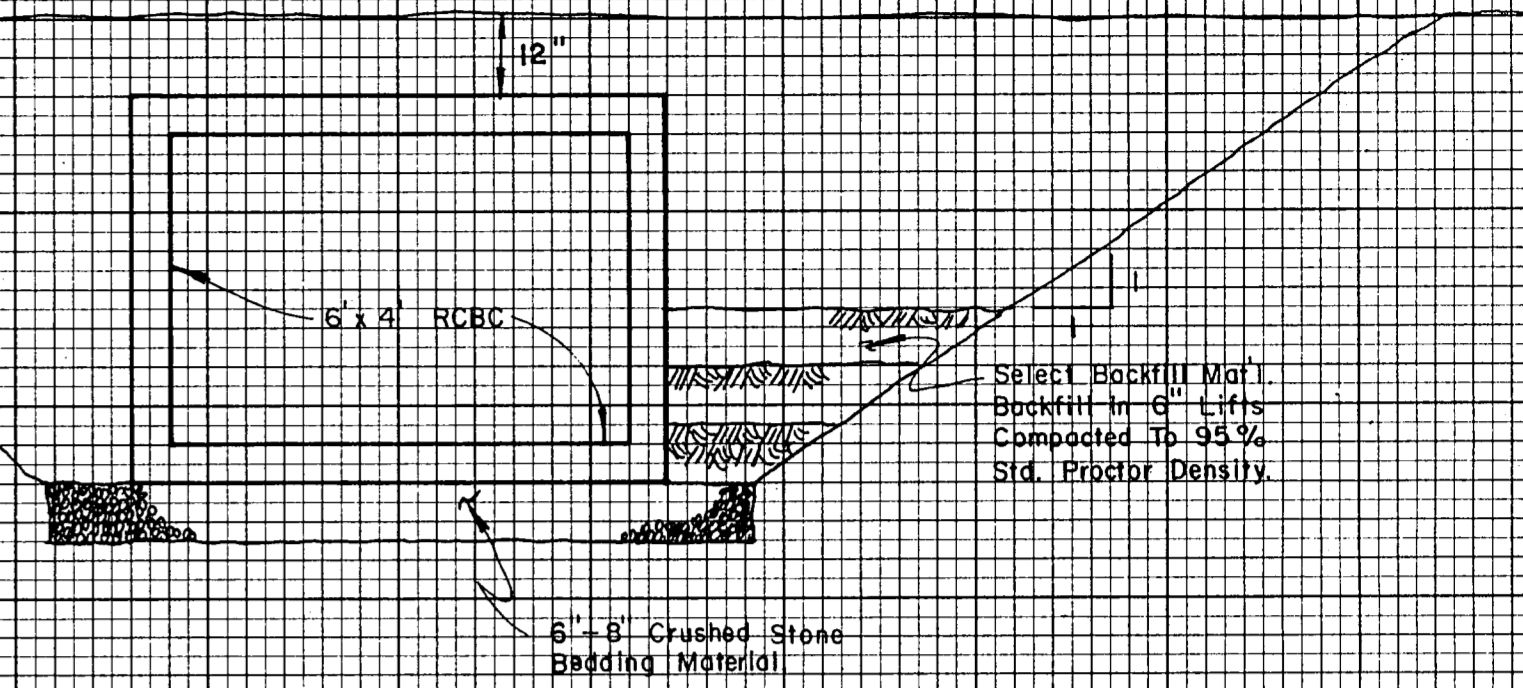
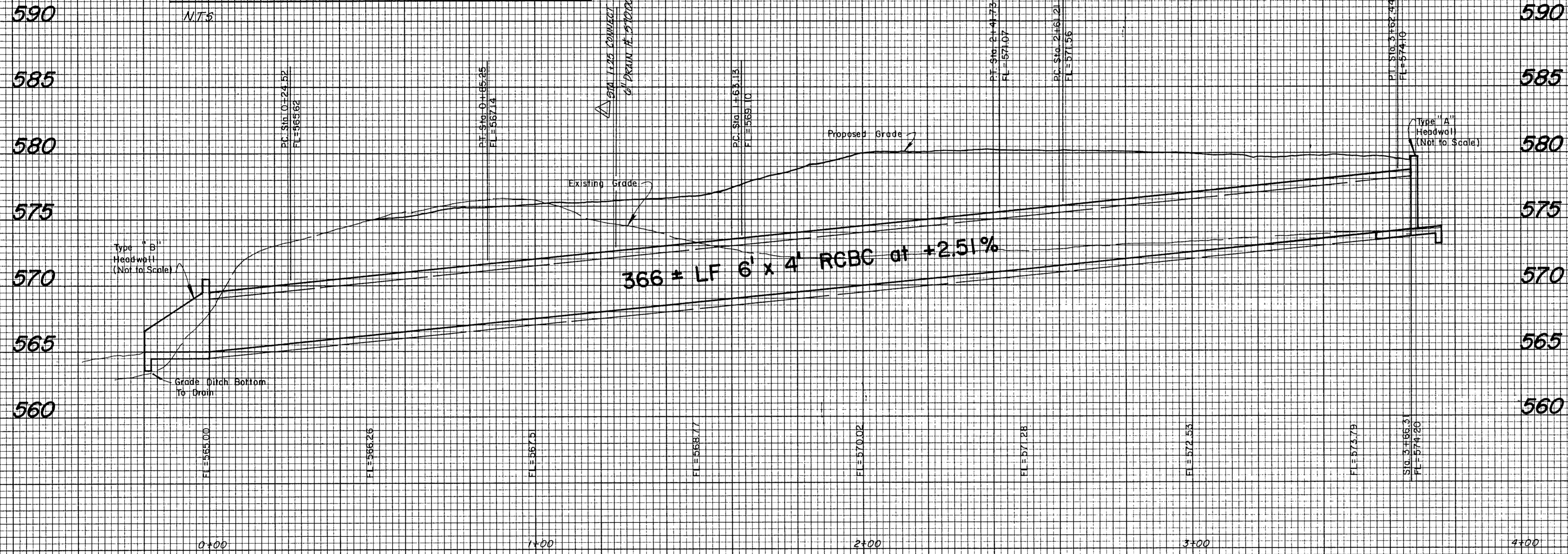
NTS

Notes:

1. Concrete Box Culvert Construction shall conform to Section 03100 of the Contract Documents.
2. Dimensions Relating to Reinforcing Steel are to Centers of Bars.
3. Splices for Longitudinal Steel shall be 21" for #4 Bars.

6' x 4' CAST-IN-PLACE CULVERT

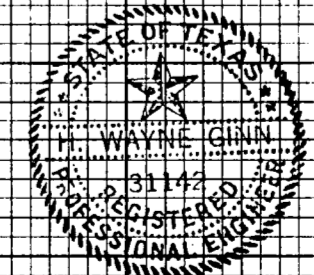
NTS



BACKFILL DETAIL

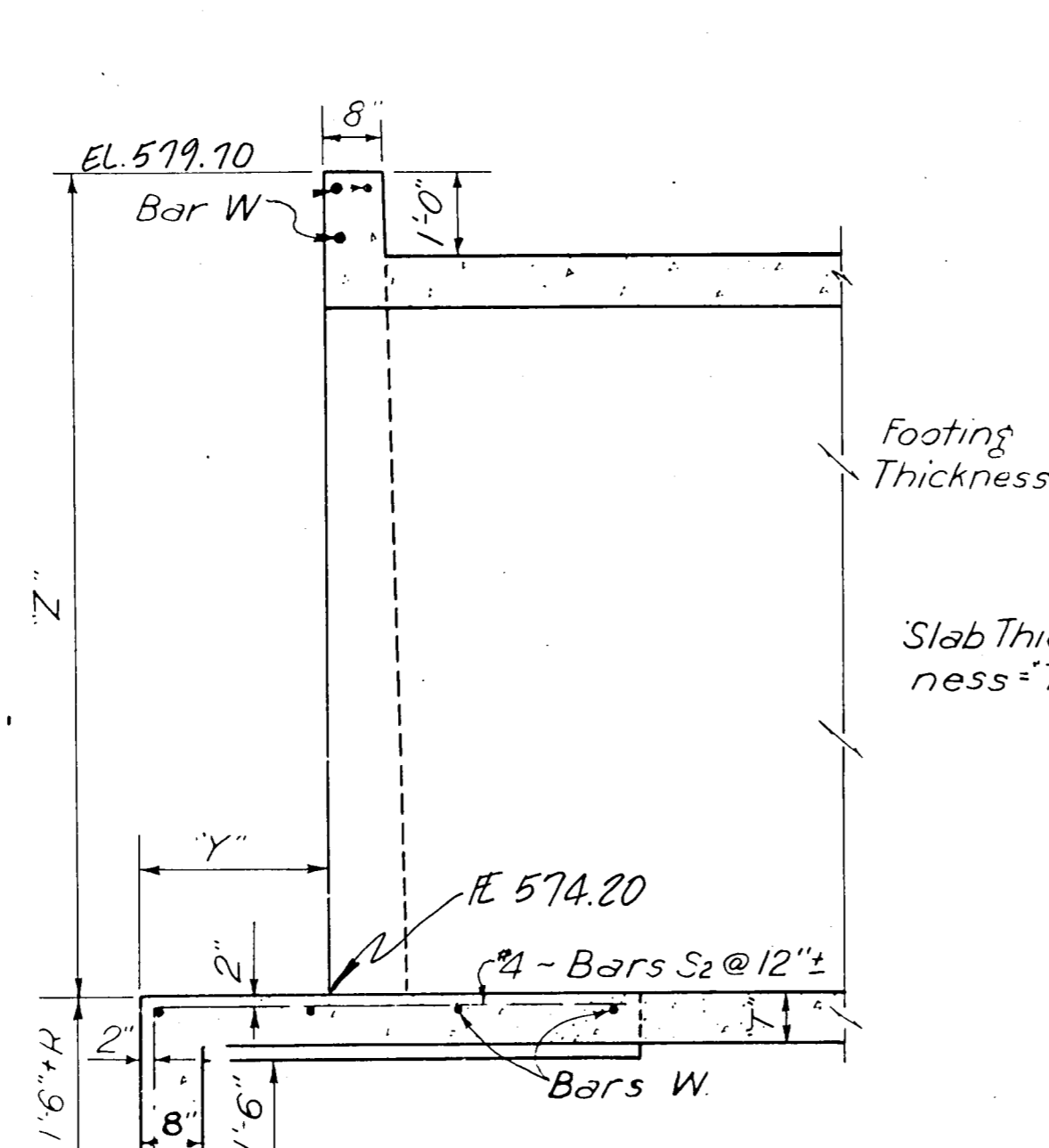
NTS

RECORD COPY

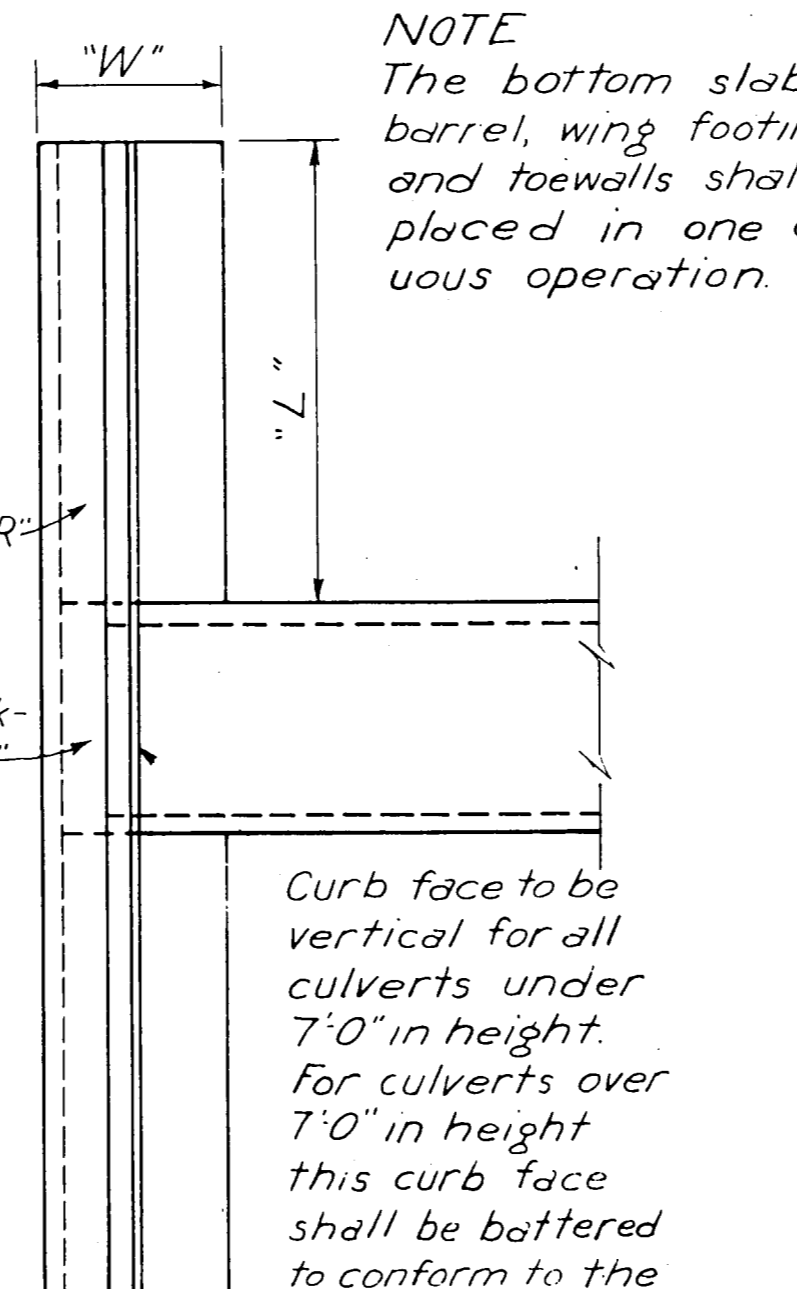


ADD 5' PVC CONNECTION		Revision	By	Date
TOWN OF ADDISON DALLAS COUNTY, TEXAS				
6 MG CELESTIAL ROAD STORAGE TANK				
BOX CULVERT PROFILE				
GINN, INC. Consulting Engineers Dallas, Texas				
Designed - RCH	Drawn - ALA	Date	Job No. - 215	
Approved - HWG	Checked - RCH	Scale - 1/8" = 1'-0"	Sheet 6	of 8

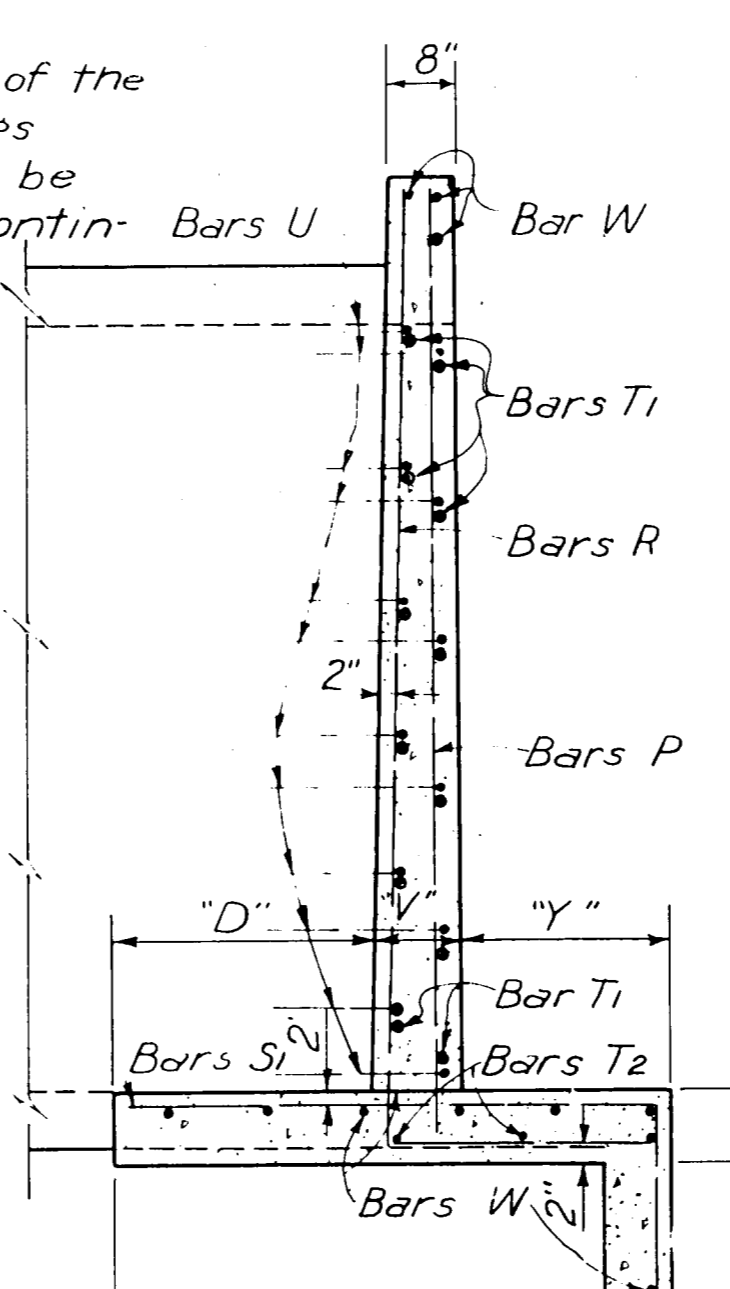
CULVERT SIZE	SLAB DEPTH	MAX WING	WING HEIGHT	WING LENGTH	TOTAL QUANT. 4 WING WALLS		TABLE OF DIMENSIONS		TABLE OF REINFORCING STEEL FOR 4 WING WALLS																														
					CONC. CY	REINF. LB	"R"	"W"	"V"	"D"	"Y"	BARS R		BARS S1		#4 BARS T1 @ 18"		#4 BARS T2 @ 12"		BARS U		#4 BARS P @ 18"		#4 BARS W @ 12"		TOTAL WEIGHT													
S	H	T	FT	Z	L"																																		
3' x 2'	6"	14'	3'-6"	5'-3"	4.10	558	6 1/2"	2'-6"	8"	10'	1'-0"	3'-6"	5'-3"	24 #4	12"	5'-1"	63	24 #4	12"	3'-11"	63	16	5'-0"	53	8	5'-0"	27	16	#5	18"	6'-0"	168	20	3'-9"	50	28	8'-9"	164	538
3' x 3'	6"	14'	4'-6"	6'-9"	6.11	818	7"	2'-10"	8"	12'	1'-0"	4'-6"	6'-9"	32 #4	11"	6'-1"	130	32 #4	11"	4'-3"	91	24	6'-6"	104	8	6'-6"	35	24	#5	18"	6'-0"	170	24	4'-9"	76	28	11'-3"	210	796
4' x 2'	6"	12'	3'-6"	5'-3"	4.21	564	6 1/2"	2'-6"	8"	10'	1'-0"	5'-6"	8'-3"	60 #4	7"	7'-3"	291	60 #4	7"	4'-10"	194	32	8'-0"	171	8	8'-0"	43	32	#5	18"	6'-0"	200	28	5'-9"	108	32	13'-3"	283	1290
4' x 3'	6"	12'	4'-6"	6'-9"	6.23	824	7"	2'-10"	8"	12'	1'-0"	6'-8"	9'-9"	56 #5	8"	8'-3"	492	60 #5	8"	5'-3"	339	32	9'-6"	203	12	9'-6"	76	32	#5	18"	6'-0"	200	32	6'-9"	144	36	15'-9"	375	1333
4' x 4'	6"	12'	5'-6"	8'-3"	8.25	1322	7"	3'-5"	8"	17'	1'-2"	7'-6"	11'-3"	80 #5	7"	9'-10"	820	80 #5	7"	6'-1"	507	40	11'-0"	294	12	11'-0"	88	40	#5	18"	6'-0"	260	36	7'-9"	186	36	17'-3"	415	2560
5' x 2'	6"	8'	3'-6"	5'-3"	4.33	569	7"	2'-6"	8"	10'	1'-0"	8'-6 1/2"	12'-10"	112 #5	5 1/2"	11'-4"	1324	104 #5	6"	6'-7"	774	48	12'-7"	403	12	12'-7"	101	48	#5	18"	6'-0"	300	40	8'-9"	234	40	18'-11"	505	3581
5' x 3'	6"	8'	4'-6"	6'-9"	6.34	829	7"	2'-10"	8"	17'	1'-0"	9'-6 1/2"	14'-4"	108 #6	6 1/2"	12'-9"	2068	116 #6	6"	7'-4"	1277	48	14'-7"	452	16	14'-7"	150	48	#5	18"	6'-0"	300	44	9'-9"	287	44	20'-6"	603	5137
5' x 4'	6"	8'	5'-6"	8'-3"	8.87	1328	7"	3'-5"	8"	17'	1'-2"	10'-7"	15'-10"	140 #6	5 1/2"	14'-4"	3013	140 #6	5 1/2"	7'-11"	1665	56	15'-7"	583	16	15'-7"	167	56	#5	18"	6'-0"	300	48	10'-10"	347	44	22'-0"	647	6772
5' x 5'	6"	8'	6'-6"	9'-9"	11.86	1876	7"	4'-0"	8"	20'	1'-4"	11'-7"	17'-4"	168 #6	5"	15'-9"	3974	168 #6	5"	8'-7"	2165	64	17'-1"	730	16	17'-1"	183	64	#5	18"	6'-0"	401	52	11'-10"	471	48	23'-6"	754	8618



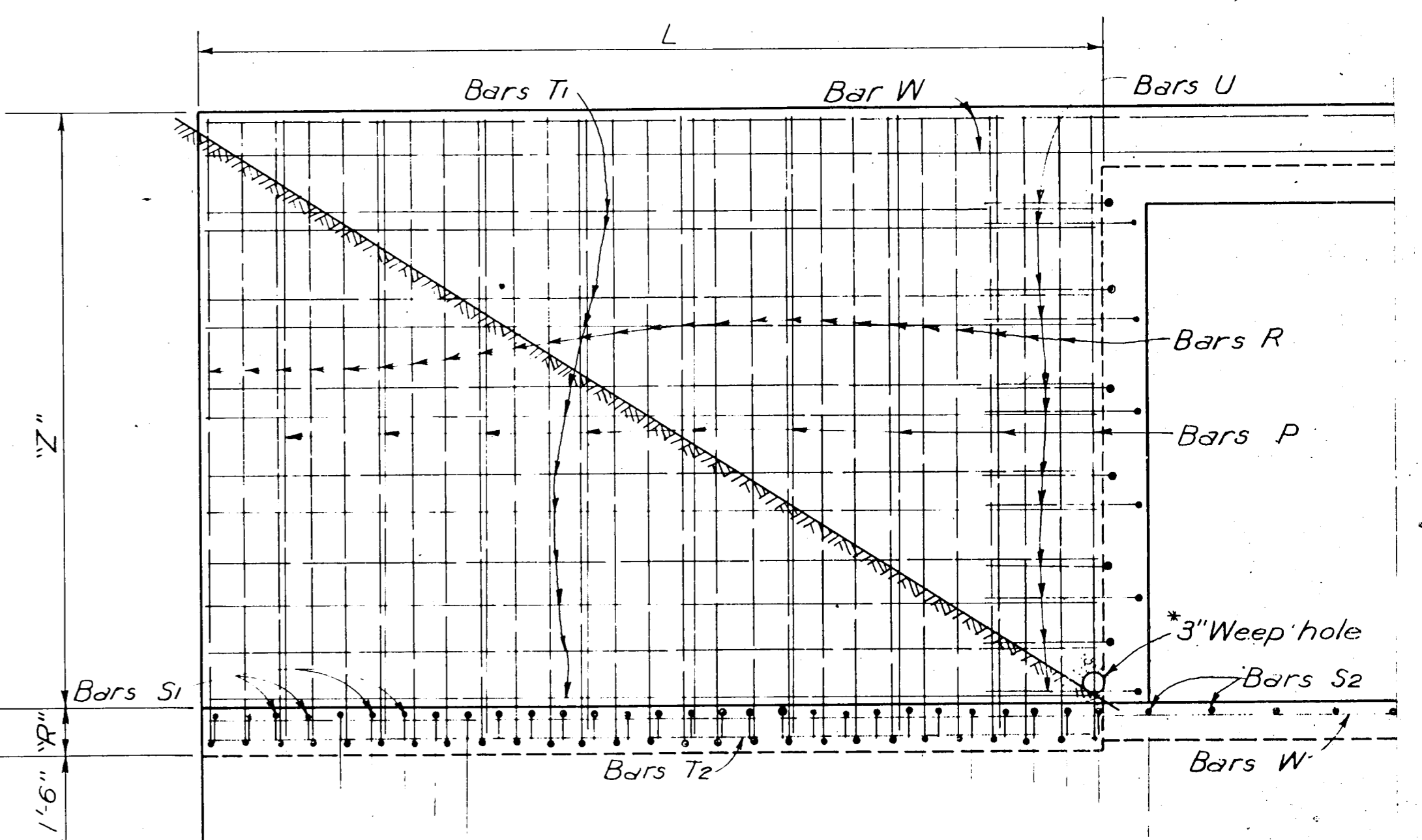
TYPICAL LONGITUDINAL SECTION THRU BOX SHOWING DETAIL OF APRON



PLAN VIEW OF WING WALL



SECTION



DETAIL OF WING WALL HALF ELEVATION

PLAN NOTE BOOK NO.

PROFILE NOTE BOOK NO.

BILL OF #4 BARS S2 @ 12" FOR 2 CULVERT APRONS			
"Z"	SPAN	NO	LGTH WEIGHT
3'-0"	8'	310	20
3'-6"	10'	310	26
4'-0"	12'	310	31
4'-6"	14'	310	36
5'-0"	16'	310	41
5'-6"	18'	310	46
6'-0"	20'	310	51
6'-6"	22'	310	56
7'-0"	24'	310	61
7'-6"	26'	310	66
8'-0"	28'	310	71
8'-6"	30'	310	76
9'-0"	32'	310	81
9'-6"	34'	310	86
10'-0"	36'	310	91
10'-6"	38'	310	96
11'-0"	40'	310	101
11'-6"	42'	310	106
12'-0"	44'	310	111
12'-6"	46'	310	116
13'-0"	48'	310	121
13'-6"	50'	310	126
14'-0"	52'	310	131
14'-6"	54'	310	136
15'-0"	56'	310	141
15'-6"	58'	310	146
16'-0"	60'	310	151
16'-6"	62'	310	156
17'-0"	64'	310	161
17'-6"	66'	310	166
18'-0"	68'	310	171
18'-6"	70'	310	176
19'-0"	72'	310	181
19'-6"	74'	310	186
20'-0"	76'	310	191
20'-6"	78'	310	196
21'-0"	80'	310	201
21'-6"	82'	310	206
22'-0"	84'	310	211
22'-6"	86'	310	216
23'-0"	88'	310	221
23'-6"	90'	310	226
24'-0"	92'	310	231
24'-6"	94'	310	236
25'-0"	96'	310	241
25'-6"	98'	310	246
26'-0"	100'	310	251
26'-6"	102'	310	256
27'-0"	104'	310	261
27'-6"	106'	310	266
28'-0"	108'	310	271
28'-6"	110'	310	276
29'-0"	112'	310	281
29'-6"	114'	310	286
30'-0"	116'	310	291
30'-6"	118'	310	296
31'-0"	120'	310	301
31'-6"	122'	310	306
32'-0"	124'	310	311
32'-6"	126'	310	316
33'-0"	128'	310	321
33'-6"	130'	310	326
34'-0"	132'	310	331
34'-6"	134'	310	336
35'-0"	136'	310	341
35'-6"	138'	310	346
36'-0"	140'	310	351
36'-6"	142'	310	356
37'-0"	144'	310	361
37'-6"	146'	310	366
38'-0"	148'	310	371
38'-6"	150'	310	376
39'-0"	152'	310	381
39'-6"	154'	310	386
40'-0"	156'	310	391
40'-6"	158'	310	396
41'-0"	160'	310	401
41'-6"	162'	310	406
42'-0"	164'	310	411
42'-6"	166'	310	416
43'-0"	168'	310	421
43'-6"	170'	310	426
44'-0"	172'	310	431
44'-6"	174'	310	436
45'-0"	176'	310	441
45'-6"	178'	310	446
46'-0"	180'	310	451
46'-6"	182'	310	456
47'-0"	184'	310	461
47'-6"	186'	310	466
48'-0"	188'	310	471
48'-6"	190'	310	476
49'-0"	192'	310	481
49'-6"	194'	310	486
50'-0"	196'	310	491
50'-6"	198'	310	496
51'-0"	200'	310	501
51'-6"	202'	310	506
52'-0"	204'	310	511
52'-6"	206'	310	516
53'-0"	208'	310	521
53'-6"	210'	310	526
54'-0"	212'	310	531
54'-6"	214'	310	536
55'-0"	216'	310	541
55'-6"	218'	310	546
56'-0"	220'	310	551
56'-6"	222'	310	556
57'-0"	224'	310	561
57'-6"	226'	310	566
58'-0"	228'	310	571
58'-6"	230'	310	576
59'-0"	232'	310	581
59'-6"	234'	310	586
60'-0"	236'	310	591
60'-6"	238'	310	596
61'-0"	240'	310	601
61'-6"	242'	310	606
62'-0"	244'	310	611
62'-6"	246'	310	616
63'-0"	248'	310	621
63'-6"	250'	310	626
64'-0"	252'	310	631
64'-6"	254'	310	636
65'-0"	256'	310	641
65'-6"	258'	310	646
66'-0"	260'	310	651
66'-6"	262'	310	656
67'-0"	264'	310	661
67'-6"	266'	310	666
68'-0"	268'	310	671
68'-6"	270'	310	676
69'-0"	272'	310	681
69'-6"	274'	310	686
70'-0"	276'	310	691
70'-6"	278'	310	696
71'-0"	280'	310	701
71'-6"	282'	310	706
72'-0"	284'	310	711
72'-6"	286'	310	716
73'-0"	288'	310	721
73'-6"	290'	310	726
74'-0"	292'	310	731
74'-6"	294'	310	736
75'-0"	296'	310	741
75'-6"	298'	310	746
76'-0"	300'	310	751
76'-6"	302'	310	756
77'-0"	304'	310	761
77'-6"	306'	310	766
78'-0"	308'	310	771
78'-6"	310'	310	776
79'-0"	312'	310	781
79'-6"	314'	310	786
80'-0"	316'	310	791
80'-6"	318'	310	796
81'-0"	320'	310	801
81'-6"	322'	310	806
82'-0"	324'	310	811
82'-6"	326'	310	816
83'-0"	328'	310	821
83'-6"	330'	310	826
84'-0"	332'	310	831
84'-6"	334'	310	836
85'-0"	336'	310	841
85'-6"	338'	310	846
86'-0"	340'	310	851
86'-6"	342'	310	856
87'-0"	344'	310	861
87'-6"	346'	310	866
88'-0"	348'	310	871
88'-6"	350'	310	876
89'-0"	352'	310	881
89'-6"	354'	310	886
90'-0"	356'	310	891
90'-6"	358'	310	896
91'-0"	360'	310	901
91'-6"	362'	310	906
92'-0"	364'	310	911

CULVERT SIZE	TABLE OF DIMENSIONS										TOTAL QUANTITIES		TABLE OF REINFORCING STEEL FOR 2 WINGS																		CULVERT SIZE																		
	S	H	MAX. FILL							Conc	Steel	Bars H-#4 2'-6" Long @ 12"	Bars J-#6 4'-0" Long	Bars O #4 @ 12"	Bars O ₁ -O _x #4 @ 12"		Bars P #4 @ 12"		Bars P ₁ -P _x #4 @ 12"		Bars Q ₁ -Q _x #4 @ 12"		Bars R 4-#4		Bars S 8-#4		Bars U #4		Bars V ₁ -V _x				8 Bars W																
			L	M	V	W	C	D	T _A						K	6"	8"	No.	Lgth.	Wt.	No.	Av Lgth.	Wt.	No.	Lgth.	Wt.	No.	Av Lgth.	Wt.	No.		Lgth.	Wt.	No.	Lgth.	Wt.	No.	Size	Spac.	Av Lgth.	Wt.	Size	Lgth.	Wt.					
3 x 2	3'-6"	3'-8"	6"	6'-5 1/2"	1'-0"	2'-8"	6"	-	-	10"	1.73	241	12	20	8	48	3	5'-11"	12	4	3'-6"	9	3	6'-5"	13	4	4'-0"	11	6	5'-0"	20	6	6'-6"	17	3	5"	18	8	3'-1"	16	16	#4	12"	3'-6"	37	#4	3'-9"	20	3 x 2
3 x 3	5'-6"	5'-11"	6"	8'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	3.03	371	16	27	8	48	3	7'-11"	16	6	4'-6"	18	3	8'-5"	17	6	5'-0"	20	10	6'-0"	40	8	6'-6"	23	5	5'-8"	30	12	4'-4"	35	24	#4	12"	4'-0"	64	#4	6'-3"	33	3 x 3
4 x 2	3'-6"	3'-8"	6"	7'-5 1/2"	1'-0"	2'-8"	6"	-	-	10"	1.93	256	12	20	8	48	4	5'-11"	16	4	3'-6"	9	4	6'-5"	17	4	4'-0"	11	6	6'-0"	24	7	6'-6"	20	3	5'-8"	18	8	3'-1"	16	16	#4	12"	3'-6"	37	#4	3'-9"	20	4 x 2
4 x 3	5'-6"	5'-11"	6"	9'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	3.29	390	16	27	8	48	4	7'-11"	21	6	4'-6"	18	4	8'-5"	22	6	5'-0"	20	10	7'-0"	47	9	6'-6"	25	5	5'-8"	30	12	4'-4"	35	24	#4	12"	4'-0"	64	#4	6'-3"	33	4 x 3
4 x 4	7'-6"	8'-2"	6"	11'-5 1/2"	1'-0"	4'-8"	6"	-	-	10"	4.98	558	20	33	8	48	4	9'-11"	26	8	5'-6"	20	4	10'-5"	28	8	8'-0"	32	14	8'-0"	75	11	6'-6"	31	7	7'-10"	42	16	5'-7"	60	36	#4	12"	4'-6"	108	#4	8'-7"	46	4 x 4
5 x 2	3'-6"	3'-8"	6"	8'-5 1/2"	1'-0"	2'-8"	6"	-	-	10"	2.12	271	12	20	8	48	5	5'-11"	20	4	3'-6"	9	5	6'-5"	21	4	4'-0"	11	6	7'-0"	28	8	6'-6"	23	3	5'-8"	18	8	3'-1"	16	16	#4	12"	3'-6"	37	#4	3'-9"	20	5 x 2
5 x 3	5'-6"	5'-11"	6"	10'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	3.56	410	16	27	8	48	5	7'-11"	26	6	4'-6"	18	5	8'-5"	28	6	5'-0"	20	10	8'-0"	55	10	6'-6"	28	5	5'-8"	30	12	4'-4"	35	24	#4	12"	4'-0"	64	#4	6'-3"	33	5 x 3
5 x 4	7'-6"	8'-2"	6"	12'-5 1/2"	1'-0"	4'-8"	6"	-	-	10"	5.32	583	20	33	8	48	5	9'-11"	33	8	5'-6"	29	5	10'-5"	35	8	6'-0"	32	14	9'-0"	84	12	6'-6"	33	7	7'-10"	42	16	5'-7"	60	36	#4	12"	4'-6"	108	#4	8'-7"	46	5 x 4
5 x 5	8'-7"	9'-3"	7"	13'-5 1/2"	1'-6"	5'-9"	6"	-	-	10"	7.17	723	24	40	8	48	5	10'-11"	36	8	6'-6"	35	5	11'-5"	38	8	7'-0"	37	16	9'-6"	102	13	6'-6"	36	9	8'-0"	48	20	6'-6"	87	40	#4	12"	5'-3"	140	#5	9'-8"	81	5 x 5
6 x 3	5'-6"	5'-11"	6"	11'-5 1/2"	1'-0"	3'-8"	6"	-	-	10"	3.83	432	16	27	8	48	6	7'-11"	32	6	4'-6"	18	6	8'-5"	34	6	5'-0"	20	10	9'-6"	60	11	6'-6"	31	5	5'-8"	30	12	4'-4"	35	24	#4	12"	4'-0"	64	#4	6'-3"	33	6 x 3
6 x 4	7'-6"	8'-2"	6"	13'-5 1/2"	1'-0"	4'-8"	6"	-	-	10"	5.66	610	20	33	8	48	6	9'-11"	40	8	5'-6"	29	6	10'-5"	42	8	6'-0"	32	14	10'-0"	94	13	6'-6"	36	7	7'-10"	42	16	5'-7"	60	36	#4	12"	4'-6"	108	#4	8'-7"	46	6 x 4
6 x 5	8'-7"	9'-3"	7"	14'-5 1/2"	1'-6"	5'-9"	6"	-	-	10"	7.55	757	24	40	8	48	6	10'-11"	44	8	6'-6"	35	6	11'-5"	46	8	7'-0"	37	16	10'-6"	112	14	6'-6"	39	9	8'-0"	48	20	6'-6"	87	40	#4	12"	5'-3"	140	#5	9'-8"	81	6 x 5
6 x 6	10'-7"	11'-6"	7"	16'-5 1/2"	1'-6"	6'-8"	6"	-	-	10"	10.13	972	28	47	8	48	6	12'-11"	52	10	7'-6"	50	6	13'-5"	54	10	8'-0"	53	20	11'-6"	154	16	6'-6"	44	11	8'-0"	60	24	7'-8"	123	48	#4	12"	5'-9"	184	#5	12'-4"	103	6 x 6
7 x 3	5'-7"	6'-0"	6"	12'-6 1/2"	1'-0"	3'-8"	6 1/2"	10"	10"	10"	4.36	465	16	27	8	48	7	8'-0"	37	6	4'-7"	18	7	8'-6"	40	6	5'-1"	20	10	10'-0"	67	12	7'-6"	34	5	5'-8"	30	12	4'-4"	35	28	#4	12"	4'-1"	76	#4	6'-3"	33	7 x 3
7 x 4	7'-7"	8'-3"	6"	14'-6 1/2"	1'-0"	4'-8"	6 1/2"	10"	10"	10"	6.37	642	20	33	8	48	7	10'-0"	47	8	5'-7"	30	7	10'-6"	49	8	6'-1"	33	14	11'-0"	103	14	7'-6"	39	8	8'-0"	43	16	5'-7"	60	36	#4	12"	4'-7"	110	#4	8'-9"	47	7 x 4
7 x 5	8'-8"	9'-4"	7"	15'-6 1/2"	1'-6"	5'-9"	6 1/2"	10"	10"	10"	8.37	792	24	40	8	48	7	11'-0"	51	8	6'-7"	35	7	11'-6"	54	8	7'-1"	38	16	11'-6"	123	15	7'-6"	42	9	9'-1"	49	20	6'-6"	87	40	#4	12"	5'-4"	142	#5	9'-11"	83	7 x 5
7 x 6	10'-8"	11'-7"	7"	17'-6 1/2"	1'-6"	6'-8"	6 1/2"	10"	10"	10"	11.15	1014	28	47	8	48	7	13'-0"	61	10	7'-7"	51	7	13'-6"	63	10	8'-1"	54	20	12'-6"	167	17	7'-4"	47	11	8'-1"	61	24	7'-9"	124	48	#4	12"	5'-10"	187	#5	12'-5"	104	7 x 6
7 x 7	12'-8"	13'-10"	7"	19'-6 1/2"	1'-6"	7'-8"	6 1/2"	10"	10"	10"	14.28	1372	32	53	8	48	7	15'-0"	70	12	8'-7"	69	7	15'-6"	72	12	9'-1"	73	24	13'-6"	216	19	7'-7"	52	13	9'-1"	73	28	8'-11"	167	84	#4	12"	6'-4"	355	#5	14'-1"	124	7 x 7
8 x 4	7'-8"	8'-4"	6"	15'-7 1/2"	1'-0"	4'-9"	7"	9 1/2"	10"	10 1/2"	7.14	671	20	33	8	48	8	10'-1"	54	8	5'-8"	30	8	10'-7"	57	8	6'-2"	33	14	12'-0"	112	15	8'-8"	42	8	8'-1"	43	16	5'-7"	60	36	#4	12"	4'-8"	112	#4	8'-10"	47	8 x 4
8 x 5	8'-9"	9'-6"	7"	16'-7 1/2"	1'-6"	5'-9"	7"	9 1/2"	10"	10 1/2"	9.26	828	24	40	8	48	8	11'-1"	59	8	6'-8"	36	8	11'-7"	62	8	7'-2"	38	16	12'-6"	134	16	8'-8"	45	9	9'-2"	49	20	6'-7"	88	40	#4	12"	5'-5"	145	#5	10'-1"	84	8 x 5
8 x 6	10'-9"	11'-8"	7"	18'-7 1/2"	1'-6"	6'-9"	7"	9 1/2"	10"	10 1/2"	12.25	1053	28	47	8	48	8	13'-1"	70	10	7'-8"	51	8	13'-7"	73	10	8'-2"	55	20	13'-6"	180	18	8'-8"	50	11	9'-5"	61	24	7'-9"	124	48	#4	12"	5'-11"	190	#5	12'-6"	104	8 x 6
8 x 7	12'-9"	13'-11"	7"	20'-7 1/2"	1'-6"	7'-9"	7"	9 1/2"	10"	10 1/2"	15.60	1385	32	53	8	48	8	15'-1"	81	12	8'-8"	60	8	15'-7"	83	12	9'-2"	73	24	14'-6"	232	20	8'-8"	55	13	8'-8"	73	28	8'-11"	167	76	#4	12"	6'-5"	326	#5	15'-0"	125	8 x 7
8 x 8	13'-9"	15'-1"	8"	21'-7 1/2"	2'-0"	8'-9"	7"	9 1/2"	10"	10 1/2"	19.25	1818	36	60	8	48	8	16'-2"	86	12	9'-9"	78	8	16'-8"	89	12	10'-3"	82	26	15'-0"	261	21	8'-8"	58	14	9'-9"	79	32	9'-9"	208	120	#4	12"	7'-2"	575	#6	16'-2"	194	8 x 8
9 x 5	8'-10"	9'-7"	7"	17'-8 1/2"	1'-6"	5'-9"	7"	9 1/2"	10"	10 1/2"	9.82	858	24	40	8	48	9	11'-2"	67	8	6'-9"	38	9	11'-8"	70	8	7'-3"	39	16	13'-6"	144	17	9'-9"	47	9	9'-3"	49	20	6'-7"	88	40	#4	12"	5'-5"	145	#5	10'-2"	85	9 x 5
9 x 6	10'-10"	11'-10"	7"	19'-8 1/2"	1'-6"	6'-9"	7"	9 1/2"	10"	10 1/2"	12.91	1106	28	47	8	48	9	13'-2"	79	10	7'-9"	52	9	13'-8"	82	10	8'-3"	55	20	14'-6"	194	19	9'-9"	53	11	9'-6"	61	24	7'-9"	124	52	#4	12"	5'-11"	206	#5	12'-7"	105	9 x 6
9 x 7	12'-10"	14'-0"	7"	21'-8 1/2"	1'-6"	7'-9"	7"	9 1/2"	10"	10 1/2"	16.36	1428	32	53	8	48	9	15'-2"	91	12	8'-9"	70	9	15'-8"	94	12	9'-3"	74	24	15'-8"	248	21	9'-9"	58	13	9'-9"	73	28	8'-11"	167	76	#4	12"	6'-5"	326	#5	15'-1"	126	9 x 7
9 x 8	13'-10"	15'-2"	8"	22'-8 1/2"	2'-0"	8'-9"	7"	9 1/2"	10"	10 1/2"	20.09	1894	36	60	8	48	9	16'-3"	98	14	8'-10"	83	9	16'-9"	101	14	9'-4"	87	26	16'-0"	278	22	9'-9"	61	14	10'-0"	79	32	9'-10"	210	124	#4	12"	7'-2"	594	#6	16'-3"		