

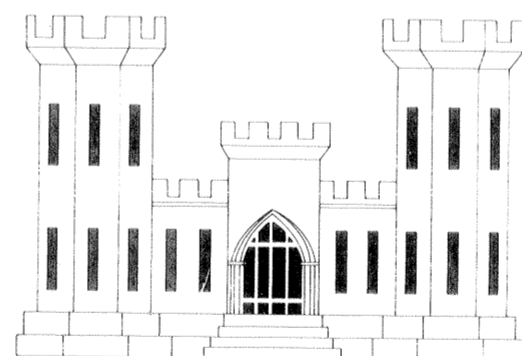
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY
LAKE PONTCHARTRAIN BARRIER PLAN
ORLEANS PARISH, LA.

INNER HARBOR NAVIGATION CANAL EAST LEVEE

GATE 1E (STA. 61+16), GATE 2E (STA. 67+11) AND
DWYER ROAD TO U.S. HWY. 90 (STA. 82+94 TO STA. 121+78)

PLANS FOR

LEVEE AND FLOODWALL



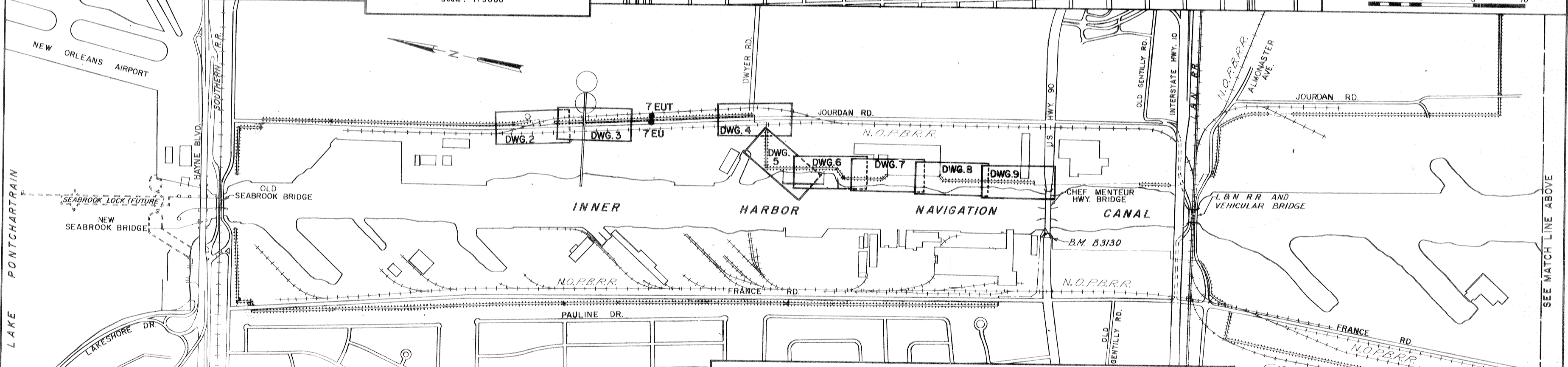
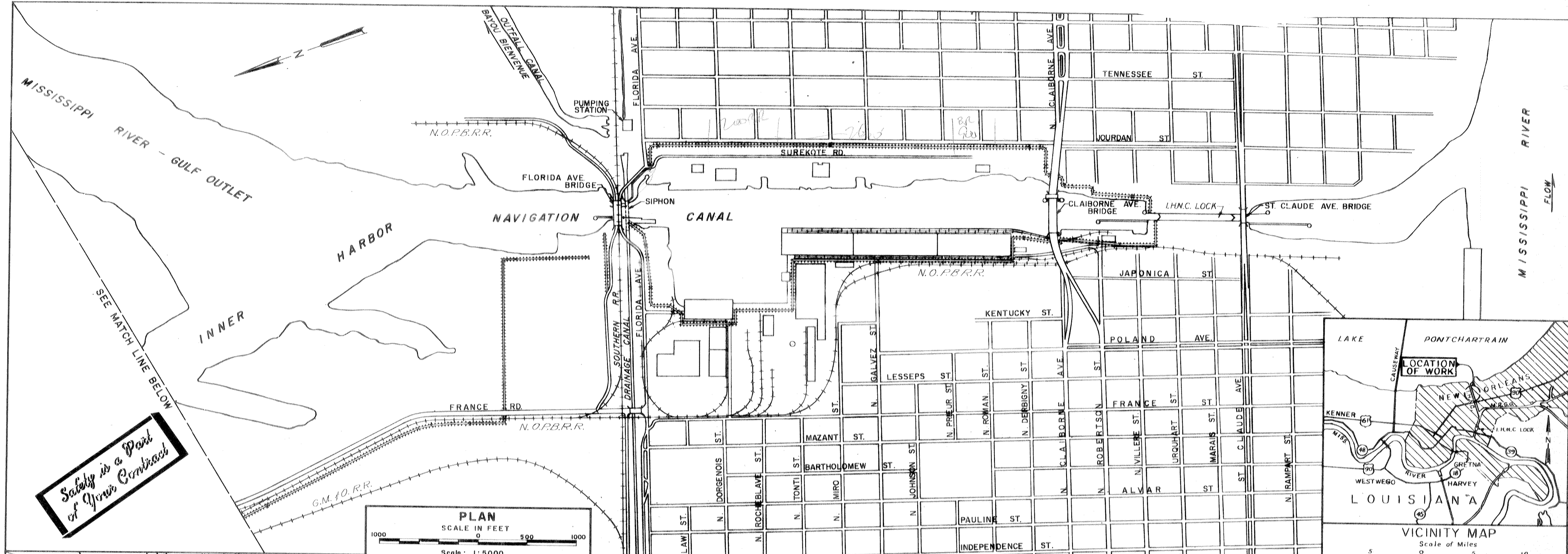
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS, LA.

CORPS OF ENGINEERS

1970

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of Your Contract*

DRAWINGS IN THIS FOLIO
HAVE BEEN REDUCED ONE
HALF THE ORIGINAL SCALE

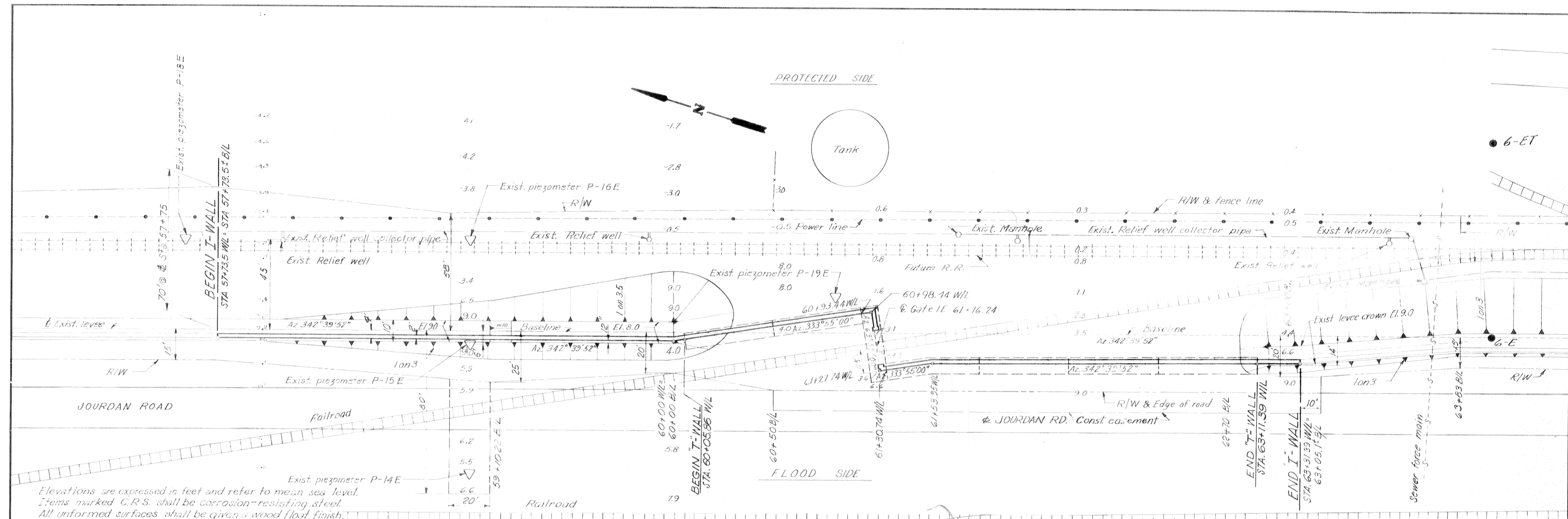


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		47	SWING GATE - HINGE DETAILS
		48	SWING GATE - SEALS
		49	MISCELLANEOUS
		50	MISCELLANEOUS - DETAILS
		51	GUARDRAIL - DETAILS
			BORROW AREA LOCATION - BONNET CARRE SPILLWAY
			BORROW AREA LOCATION - HOWZE BEACH
			PLATE A - SOIL BORING LEGEND FILE NO H-2-21800

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NOTE:
Soil boring locations not shown on plan dwgs. For description of B.H. 5.9.130, see dwg. 9.

DESIGNED BY	DATE	CHECKED BY	DESCRIPTION
DRAWN BY		DRAWN BY	
DATE		DATE	
U.S. ARMY ENGINEER DISTRICT NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LA.			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY LAKE PONTCHARTRAIN BARRIER PLAN INNER HARBOR NAVIGATION CANAL - EAST LEVEE GATE 1E, 2E AND DWYER RD. TO U.S. HWY 90 LEVEE AND FLOODWALL			
H-4-24822			
SCALE SHOWN SPEC. NO. D-162970-B-0137 DWG. NO. 1 OF 51			



Elevations are expressed in feet and refer to mean sea level.
 Items marked C.R.S. shall be corrosion-resisting steel.
 All unformed surfaces shall be given a wood float finish.
 Unless otherwise indicated, all exterior formed surfaces not to be covered by backfill shall be class "A" finish. All exterior formed surfaces to be covered by backfill shall be class "D" finish.

GENERAL NOTES

The exposed surface of all floodwalls and gate monoliths shall have a sack-rubbed finish both sides except the floodwall between sta. 4+39.52 W/L and sta. 38+55.67 W/L which shall be sack-rubbed on the protected side only.
 All exposed joints, edges, external corners, vertical expansion joints and horizontal construction joints shall be chamfered 3/4 inch and dunnings chamfers and false joints shall be used to provide a neat and uniform appearance.
 All primary reinforcements shall have a minimum cover of 2 1/2 inches with a tolerance of plus 1/4 inch unless otherwise indicated.
 Reinforcing tie spacing in columns shall be reduced where necessary to miss 4" recesses for gate latches.
 Unless otherwise indicated all "I"-wall monoliths shall be 30 feet ± and each "I"-wall joint shall begin and end at sheet pile interlocks.

Reinforcing bar designation numbers conform to the current numbering system of the "Concrete Reinforcing Steel Institute."
 All reinforcing splices shall be lapped according to the following table:

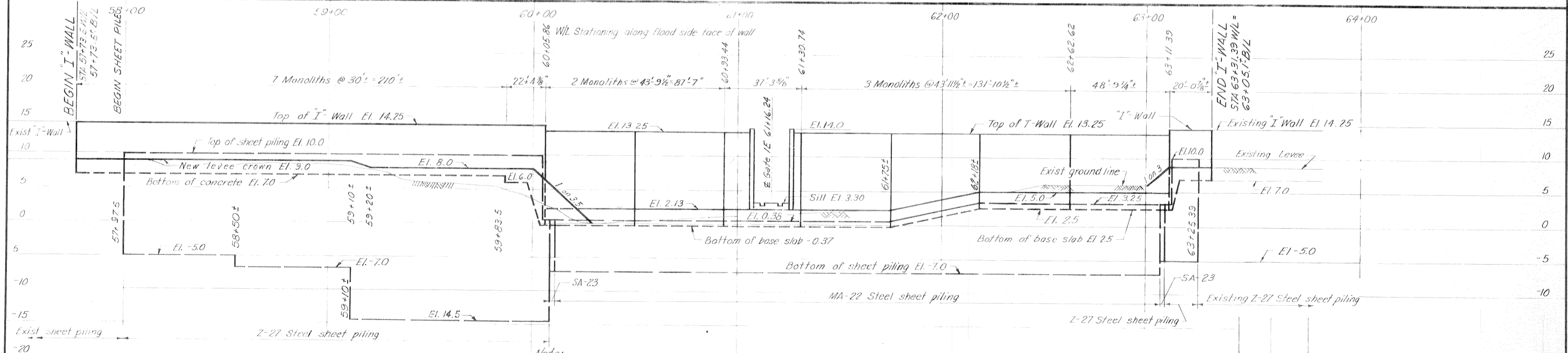
BAR SIZE NO.	MINIMUM LAP LENGTH, INCHES	BAR SIZE NO.	MINIMUM LAP LENGTH, INCHES
3	12	7	25
4	14	8	30
5	18	9	39
6	22	10	49

PLAN
 Scale: 1"=20'

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WALL-LINE LAYOUT DATA			
BASILINE STATION	AZIMUTH B/L TO W/L	DISTANCE B/L TO W/L	WALL-LINE P.I. STATION
57+76.00	72°39'52"	4.0	57+76.00
60+00.00	72°39'52"	4.0	60+00.00
60+98.82	252°39'52"	10.97	60+98.44
61+02.29	72°39'52"	17.99	61+27.71
61+28.20	72°39'52"	14.00	61+53.95
63+06.54	72°35'52"	14.00	63+32.29

Note: Wall line is flood side face of wall.



Note:
 Steel sheet piling shall be coated with coal tar epoxy on both sides from sta. 59+20 ± to sta. 60+00 ± from elevation 1.0 to 1.25.

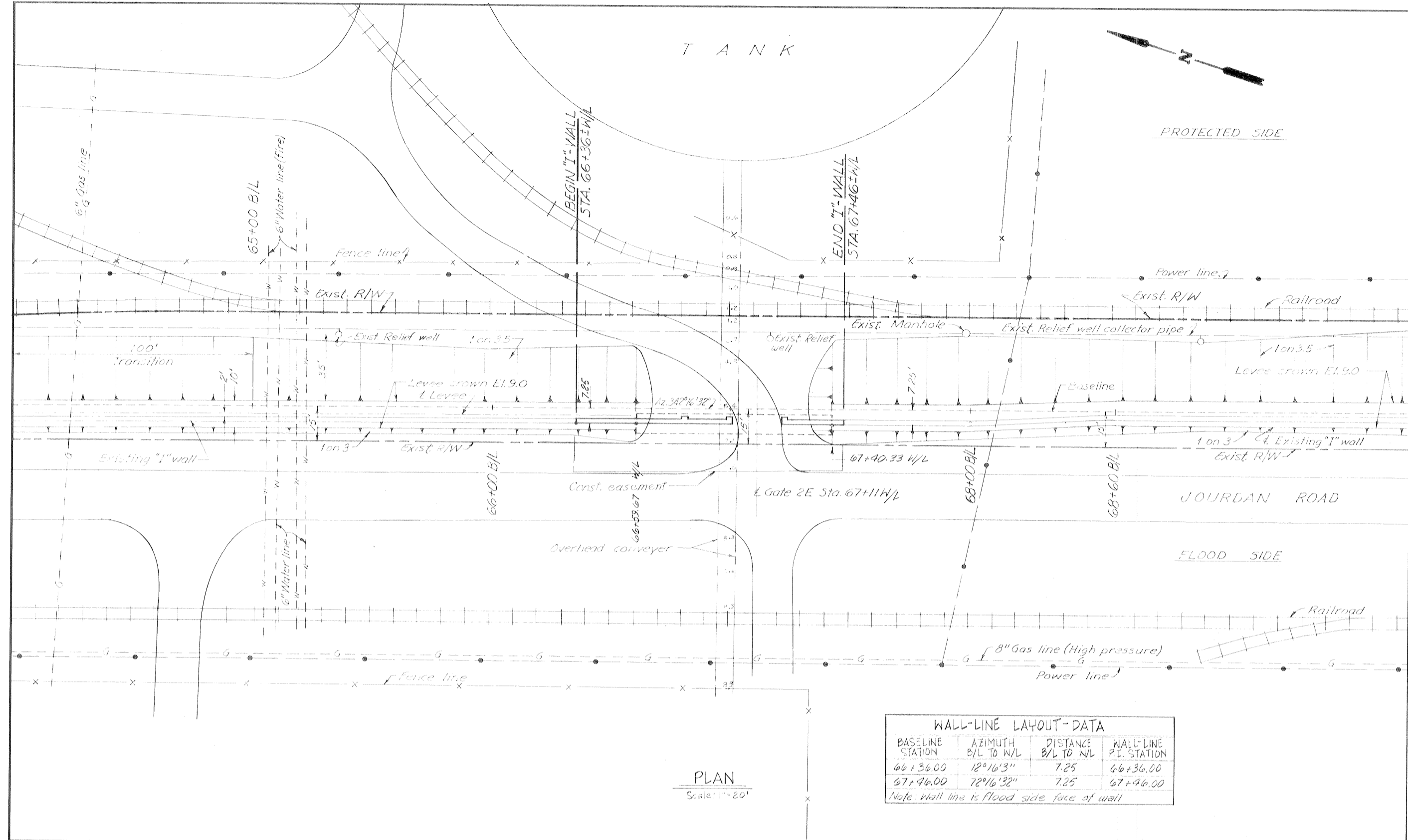
PROFILE
 Scale: Hor. 1"=20'
 Vert. 1"=6'

PLAN AND PROFILE

REVISION	DATE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: J.E.B.	CHECKED: H.L.B.	CODE IDENT. NO. SIZE FILE NO.

DATE: MARCH 1970 SCALE: SHOWN SPEC. NO. DACW29-70-B-0137 DWG. NO. 2 OF 51

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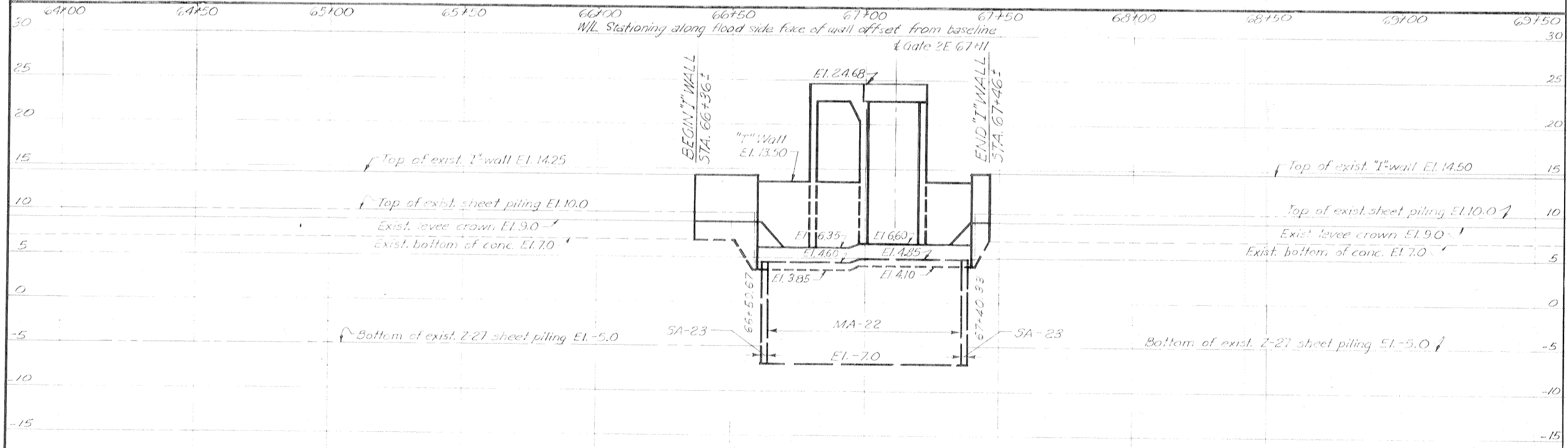


PLAN
Scale: 1" = 20'

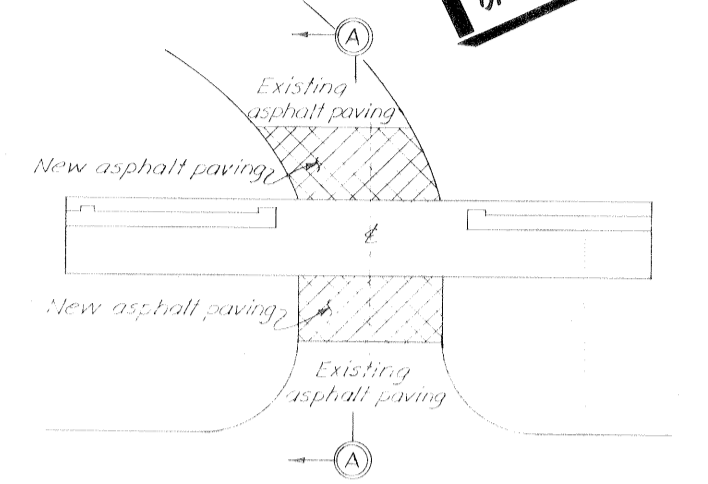
WALL-LINE LAYOUT-DATA

BASILINE STATION	AZIMUTH B/L TO W/L	DISTANCE B/L TO W/L	WALL-LINE P.I. STATION
66+36.00	12°16'32"	7.25	66+36.00
67+46.00	72°16'32"	7.25	67+46.00

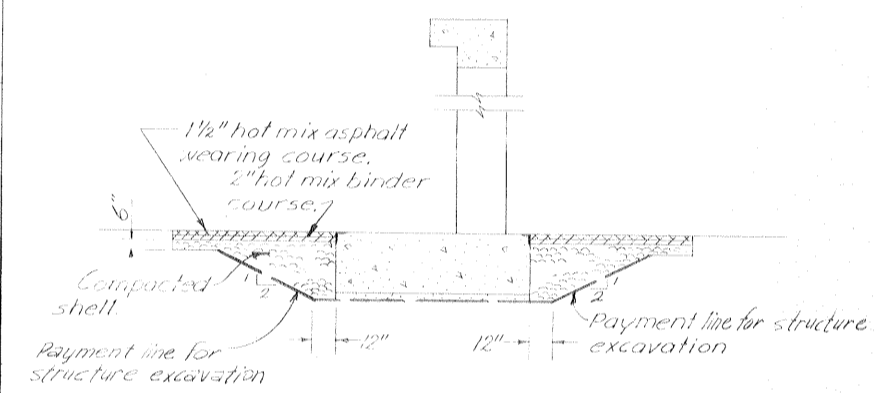
Note: Wall line is flood side face of wall



PROFILE
Scale: Hor. 1" = 20'
Vert. 1" = 6'



PLAN-GATE 2E
Scale: 1" = 10'



SECTION A-A
Scale: 1" = 4'

Note:
For general notes, see dwg. 2

REVISION	DATE	DESCRIPTION	BY
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
D.A.M.	C.E.M.	H.L.B.	
H-4-24822			
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW2970-B-0137 DWG. NO. 3 OF 51

PLAN AND PROFILE

PROTECTED SIDE

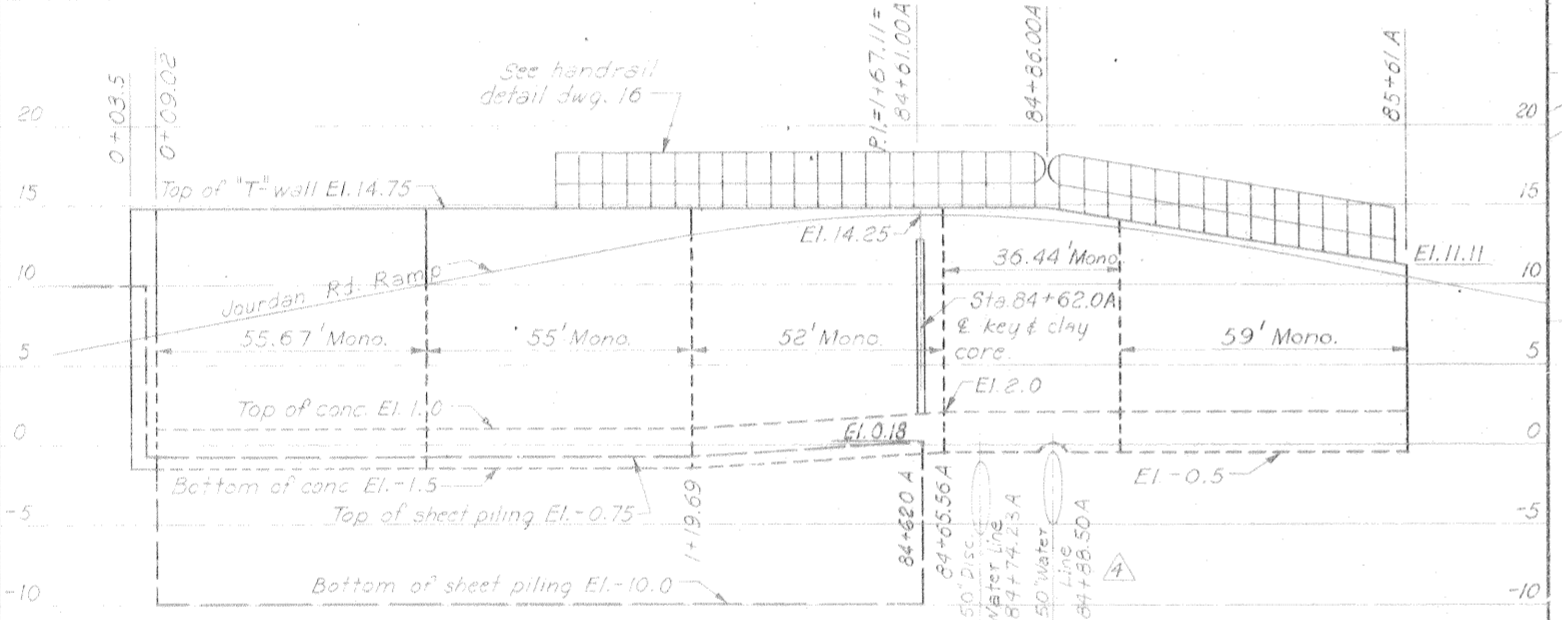
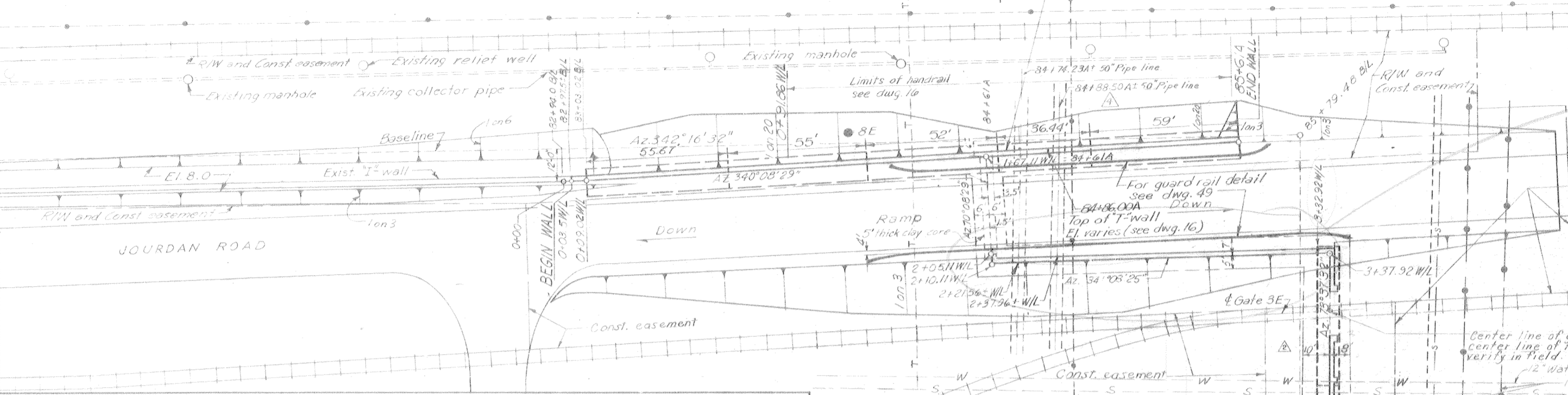
8ET

DWYER ROAD

For details of ramp retaining wall see dwgs. 10 and 14

HINC EAST & WEST LEVEL
AND CITRUS BACK LEVEL
See H-4-29518
dwg. 3 of 11
COPPING Job.
STICK #27

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FLOODWALL BETWEEN STA. 0+03.5 W/L & STA. 85+61.1

PROFILE

Scale: Hor. 1" = 20' ; Vert. 1" = 6'

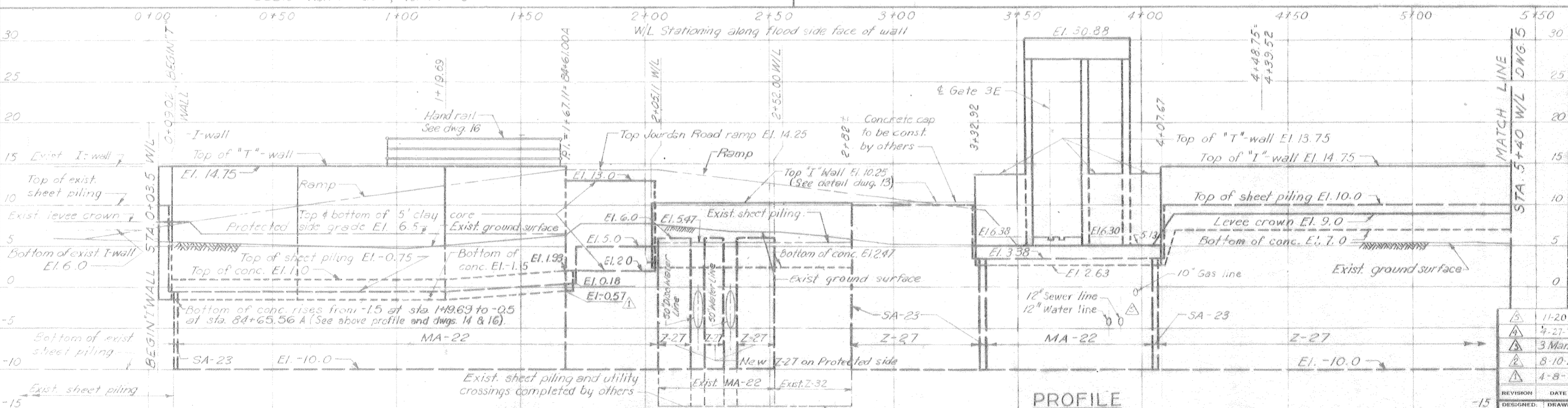
PLAN

Scale: 1" = 20'

WALL-LINE LAYOUT DATA			
BASELINE STATION	AZIMUTH B/L TO W/L	DISTANCE B/L TO W/L	WALL-LINE STATION
82+99.67	72°16'32"	12.0'	0+05.67
84+61.00	72°16'32"	6.0'	84+61.1
84+62.60	72°16'32"	48.97'	2+10.11
85+60.93	72°16'32"	2.28'	85+61.1
86+26.00	343°37'32"	12.0'	3+37.92
87+00.00	343°37'32"	12.0'	4+09.92
87+28.00	163°37'32"	28.0'	4+39.52

Note: Wall line is flood side face of wall.

THIS PLAN ACCOMPANIES
MODIFICATION PO13 TO
CONTRACT NO. DACW29-
70-C-0206



PROFILE

Scale: Hor. 1" = 20' ; Vert. 1" = 6'

Note:
For general notes, see dwg. 2
For handrail details, see dwg. 16
For Jourdan ramp profile, see dwg. 16
For utility crossing details, see dwg. 26
For guardrail details, see dwg. 49

REVISION	DATE	DESCRIPTION
1	11-20-71	Revised utilities Mod # 13
2	4-27-71	Revised pipe line sta. & added pipe lines in profile, Mod # 10
3	3-Mar-71	Revised utility crossings Mod # 8
4	8-10-70	Revised floodwall alignment mod # 4
5	4-8-70	Changed EI from -0.5 to -0.57 in profile, Amend # 1

Note: Steel sheet piling shall be coated with coal tar epoxy on both sides from Sta. 3+97± to Sta. 8+70± from elevation 3.0 to elevation 7.25.

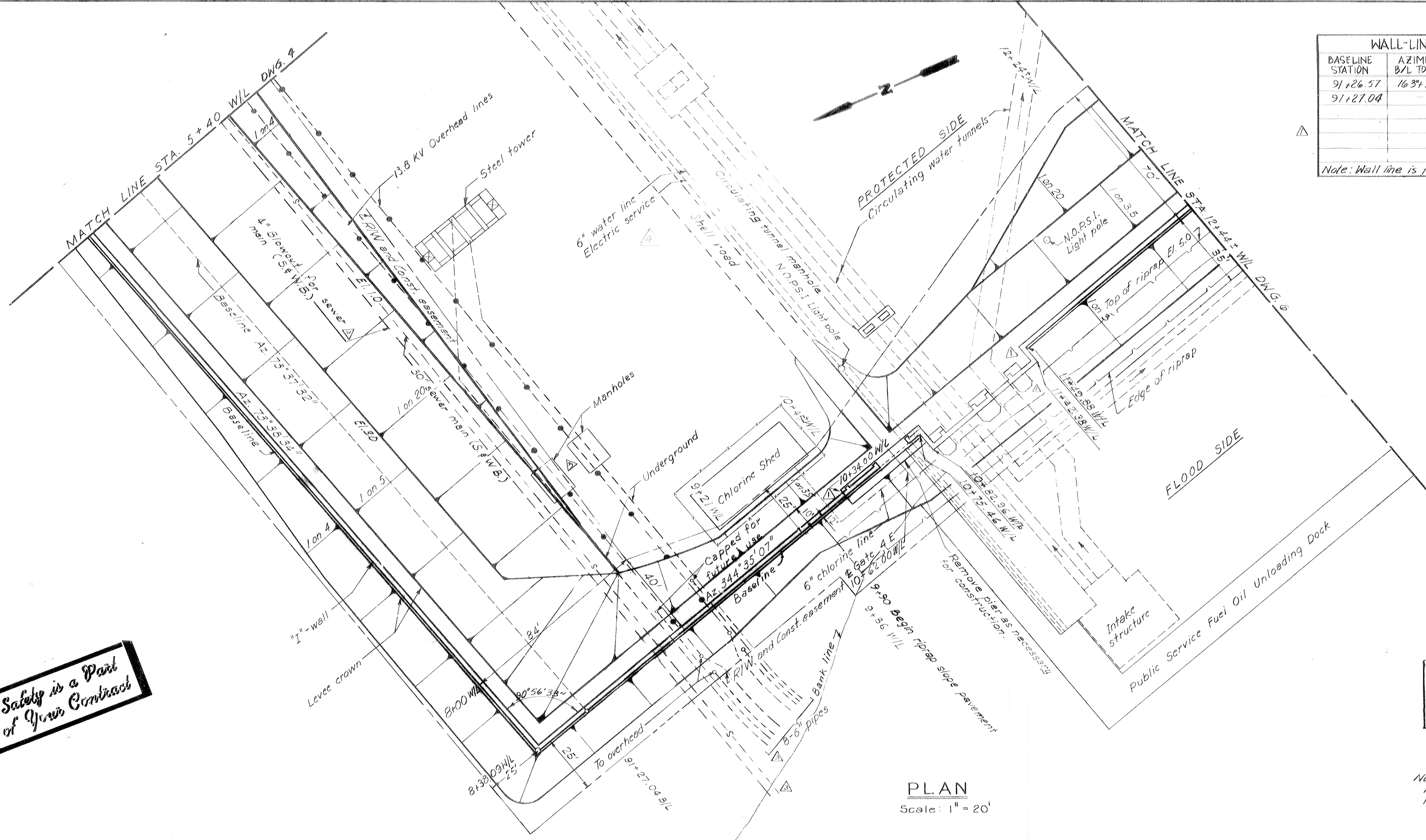
PLAN AND PROFILE

DESIGNED: E.J.M. DRAWN: J.J.R. CHECKED: D.A.M. CODE IDENT. NO. SIZE FILE NO. H-4-24822
DATE: MARCH 1970 SCALE: SHOWN SPEC. NO. DACW29-70-8-0137 DWG. NO. 4 OF 51

WALL-LINE LAYOUT DATA			
BASELINE STATION	AZIMUTH B/L TO W/L	DISTANCE B/L TO W/L	WALL-LINE PT. STATION
91+26.57	163° 37' 32"	20.12	8+38.09
91+27.04		0.00	8+66.21

Note: Wall line is flood side face of wall.

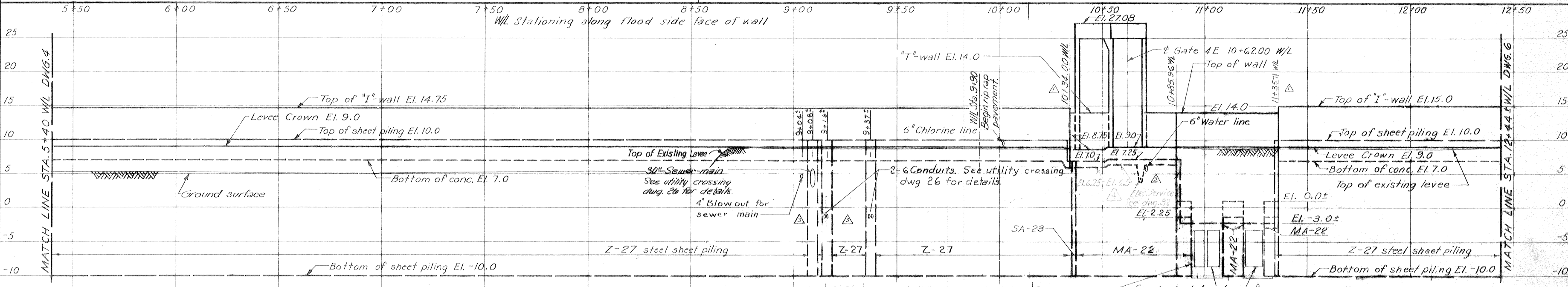
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PLAN
Scale: 1" = 20'

THIS PLAN ACCOMPANIES MODIFICATION PG# 1 TO CONTRACT NO. DACW29-70-C-0206

Note:
For general notes, see dwg. 2
For utility crossing details, see dwg. 26



Note:
Steel sheet piling shall be coated with coal tar epoxy on both sides from Sta. 3+97± to Sta. 8+70± from El. 3.0 to El. 7.25.

PROFILE
Scale: Hor. 1" = 20'
Vert. 1" = 6'

REVISION	DATE	DESCRIPTION	BY
1	4/13/71	Deleted 1/2" air line (Mod. # 1)	MM
2	3 Mar 71	Revised utility crossings Mod. No. 8	MM
3	1-15-71	Revised monolith & w/l sta's. Mod No. 7	GPM
4	10-19-70	Revised wall alignment Mod No. 6	GOC

See sheet pile layout dwg. 20
New Orleans Public Service circulating water tunnel.
See dwgs. 34 & 35

DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.	SIZE	FILE NO.
D.A.M.	J.J.P.	E.J.M.			

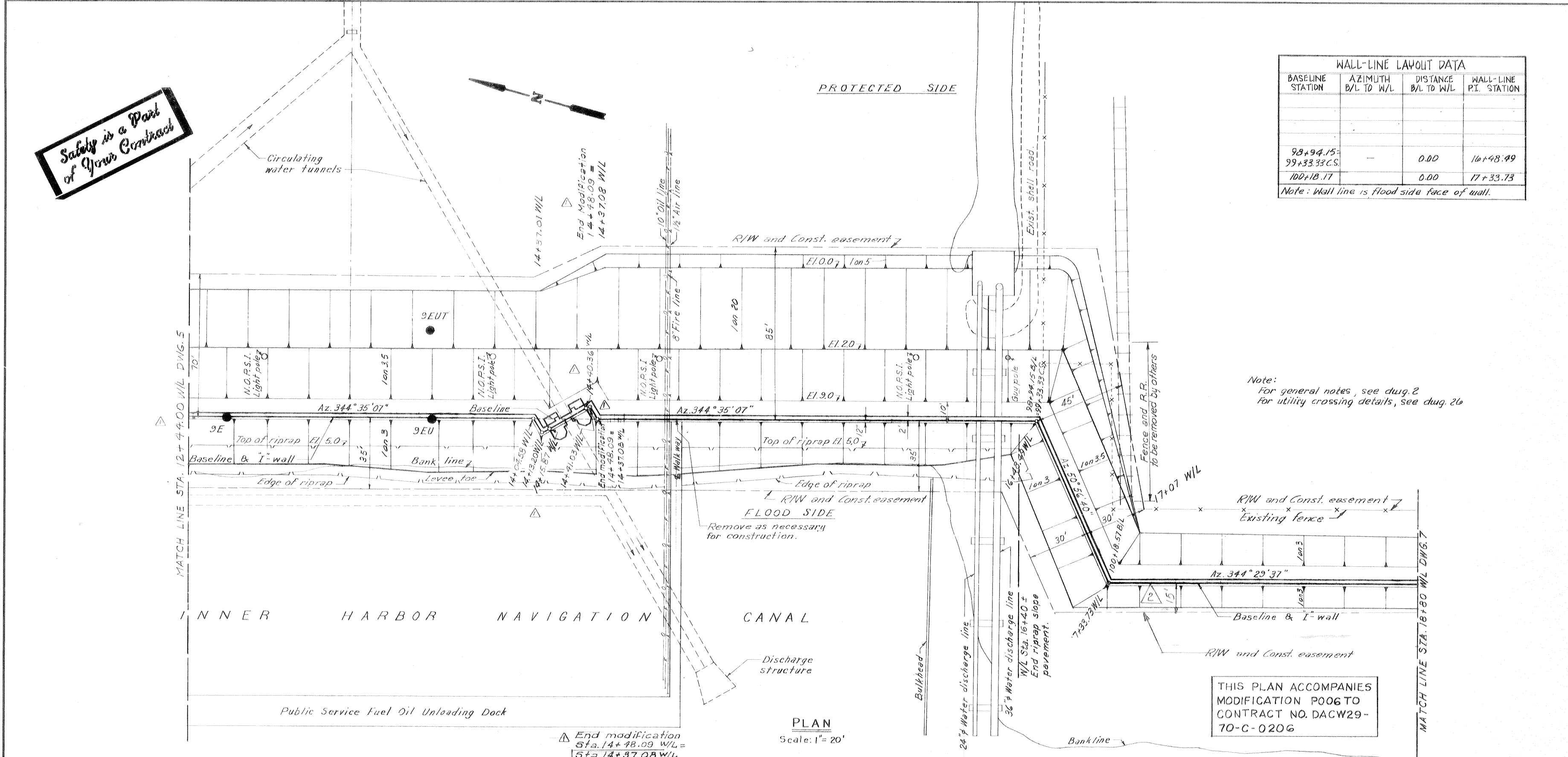
H-4-24822

DATE: MARCH 1970 SCALE: SHOWN SPEC. NO. DACW29-70-B-0137 DWG. NO. 5 OF 51

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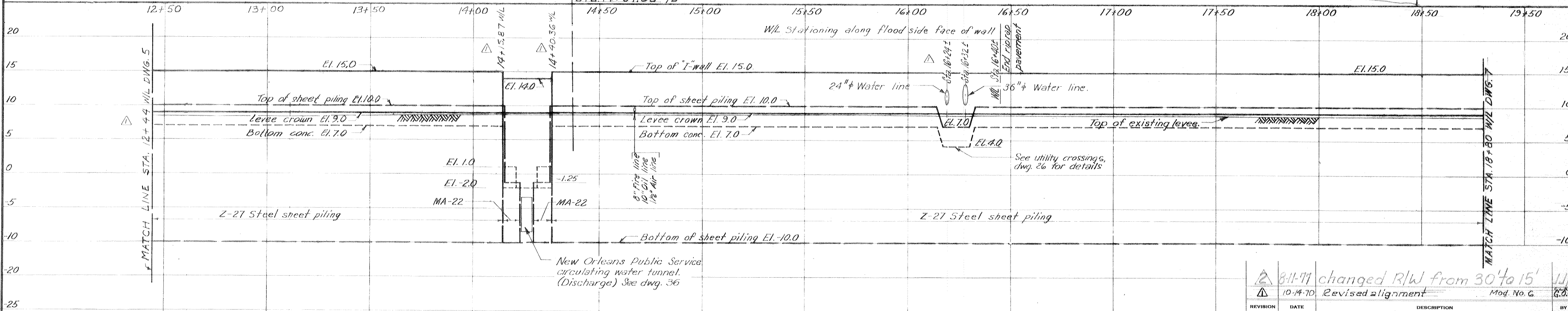
WALL-LINE LAYOUT DATA			
BASELINE STATION	AZIMUTH B/L TO W/L	DISTANCE B/L TO W/L	WALL-LINE P.I. STATION
98+94.15 = 99+33.33 C.S.	-	0.00	16+48.49
100+18.17	-	0.00	17+33.73

Note: Wall line is flood side face of wall.



Note:
For general notes, see dwg. 2
For utility crossing details, see dwg. 26

THIS PLAN ACCOMPANIES
MODIFICATION P006 TO
CONTRACT NO. DACW29-
70-C-0206



PROFILE
Scale: Vert. 1" = 6'
Hor. 1" = 20'

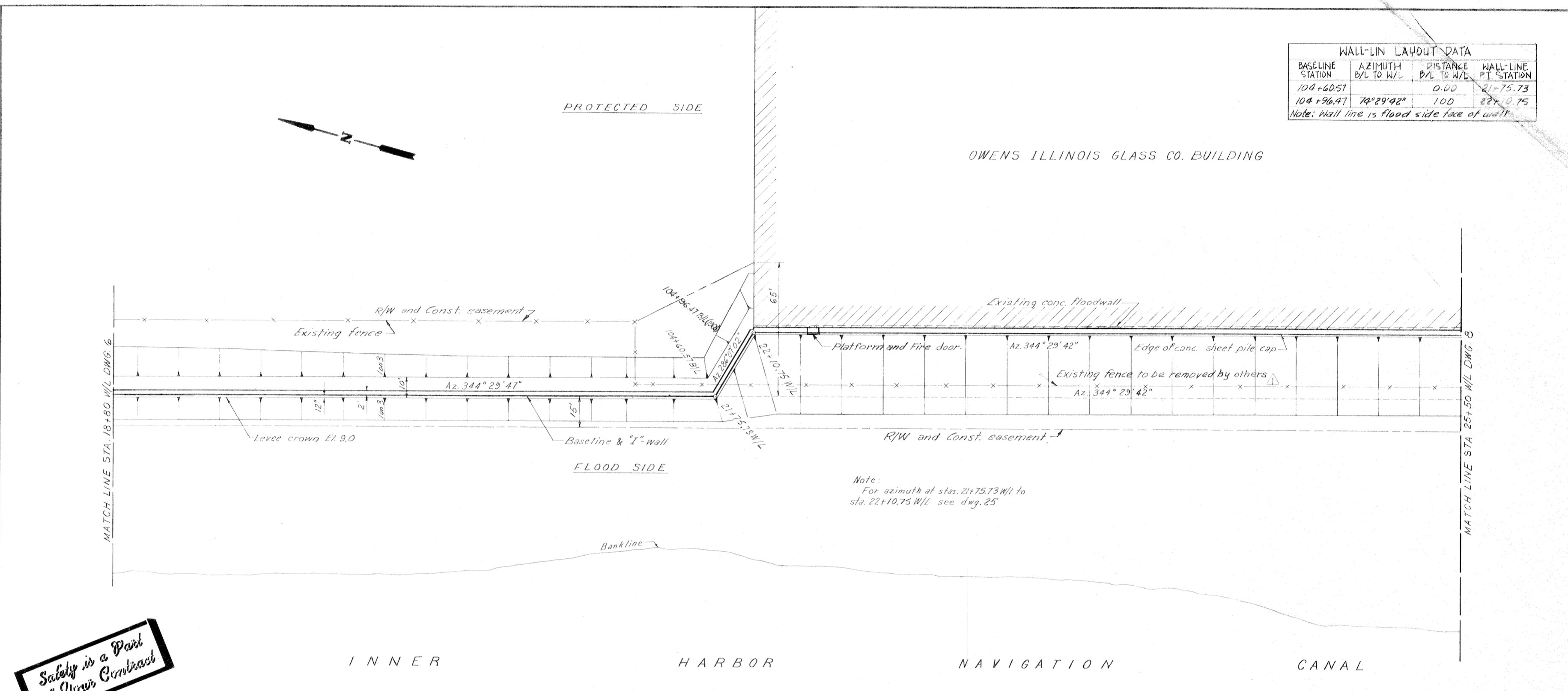
PLAN AND PROFILE

DESIGNED: D.A.M.	DRAWN: G.P.M.	CHECKED: E.J.M.	CODE IDENT. NO.:	SIZE:	FILE NO.:
DATE: MARCH 1970			SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137	DWG. NO. 6 OF 51

8-11-77 changed R/W from 30' to 15' W/L
10-14-70 Revised alignment Mod. No. G
H-4-24822

WALL-LIN LAYOUT DATA			
BASILINE STATION	AZIMUTH D/L TO W/L	DISTANCE D/L TO W/L	WALL-LINE PT. STATION
104+60.51		0.00	21+75.73
104+96.47	74°29'42"	100	22+10.75

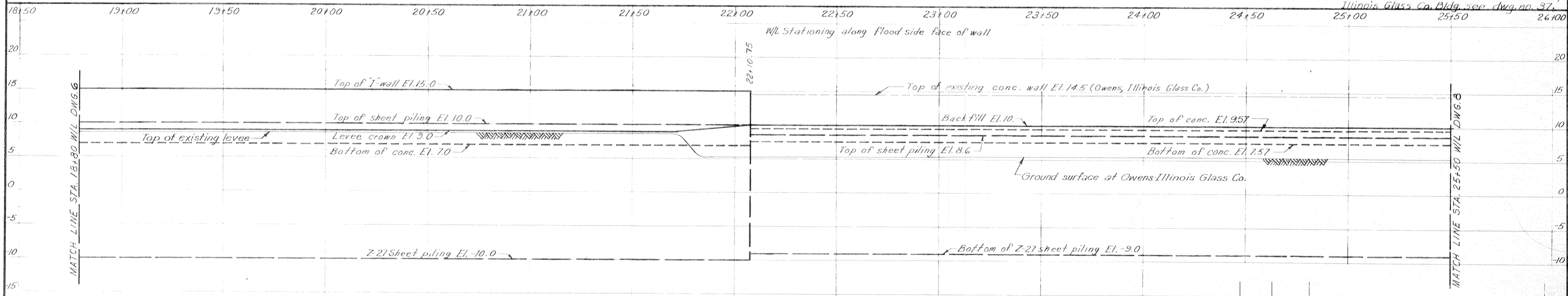
Note: Wall line is flood side face of wall.



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PLAN
Scale: 1" = 20'

Note:
For general notes, see *dwg. 2*
For detail of "I" wall at corner of Owens, Illinois Glass Co. Bldg. see *dwg. no. 37*.



Note:
Steel sheet piling shall be coated with coal tar epoxy on both sides from sta. 21+70± to sta. 22+10.75 from elevation 3.0 to elevation 7.25.

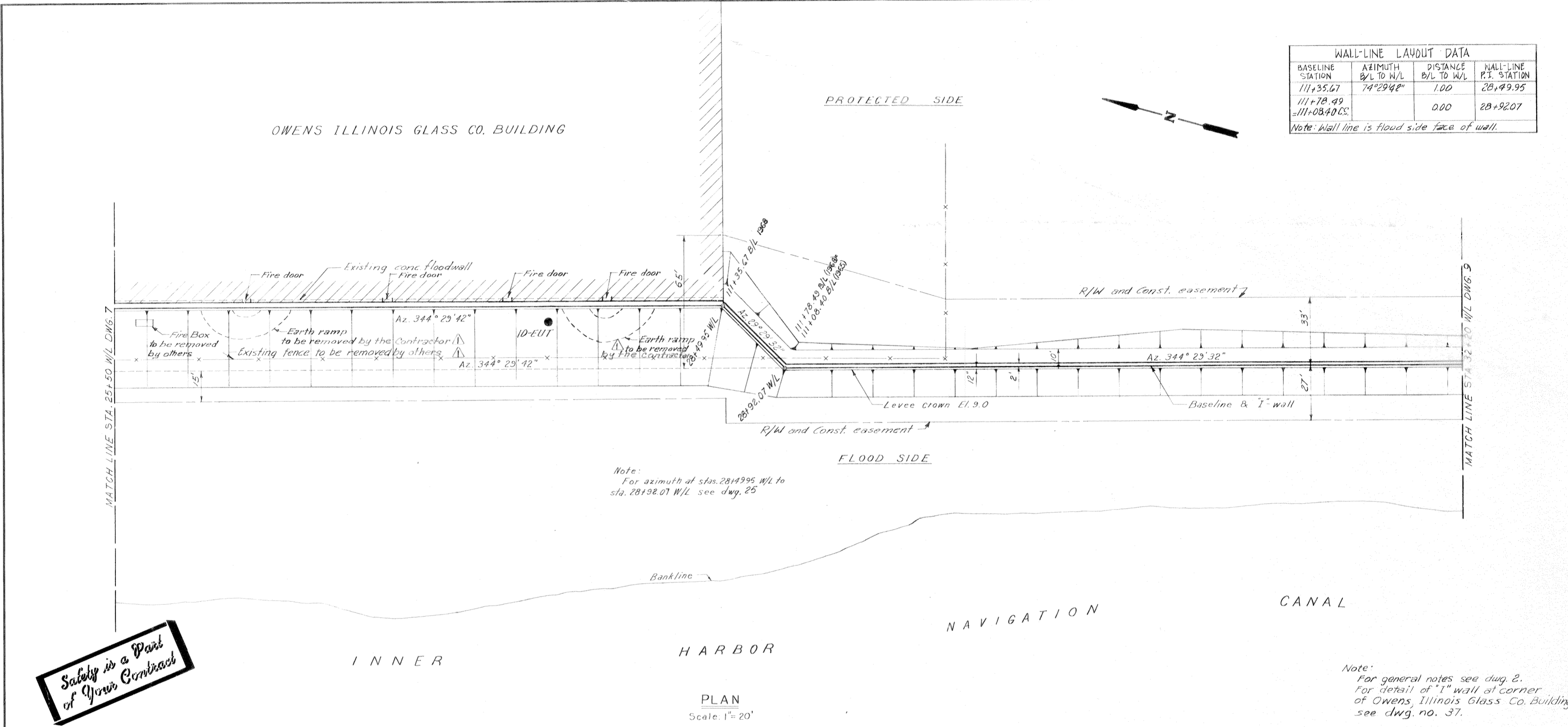
PROFILE
Scale: Vert. 1" = 6'
Hor. 1" = 20'

PLAN AND PROFILE

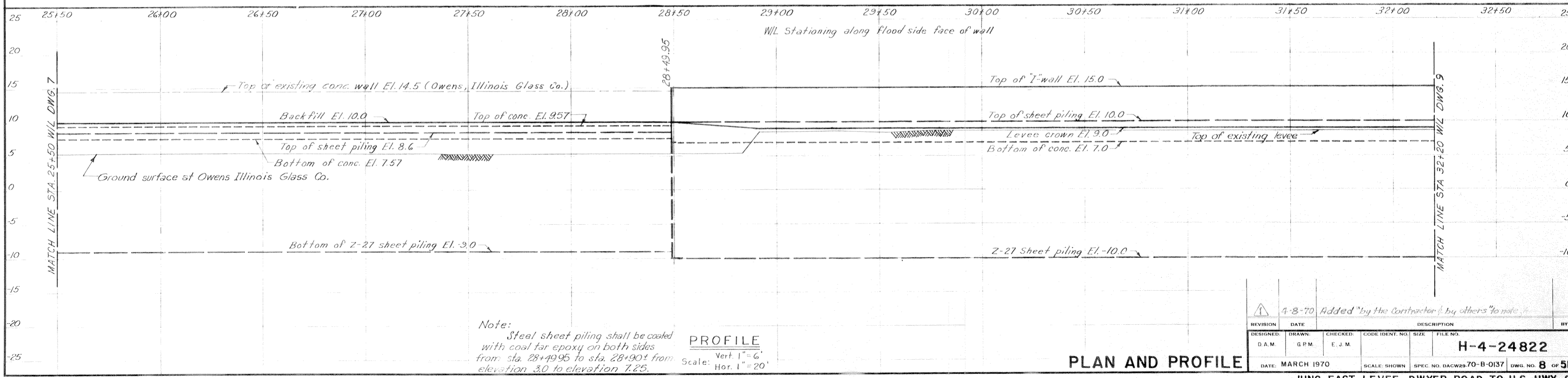
DESIGNED: D.A.M.	DRAWN: G.P.M.	CHECKED: E.J.M.	CODE IDENT. NO.	SIZE	FILE NO.	BY
DATE: MARCH 1970						SCALE: SHOWN
SPEC. NO. DACW28-70-B-0137						DWG. NO. 7 OF 51

WALL-LINE LAYOUT DATA			
BASELINE STATION	AZIMUTH B/L TO W/L	DISTANCE B/L TO W/L	WALL-LINE P.I. STATION
111+35.67	74°29'42"	1.00	28+49.95
111+78.49		0.00	28+92.07
111+08.40 CS.			

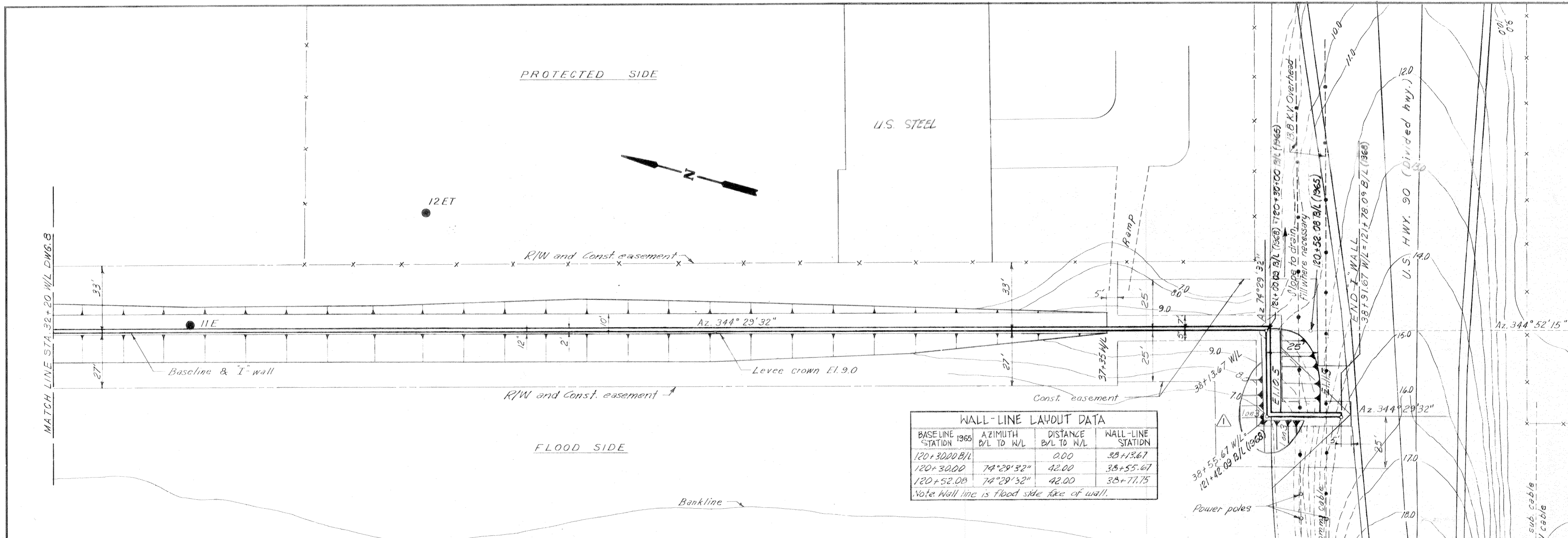
Note: Wall line is flood side face of wall.



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DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.:	SIZE:	FILE NO.:
D.A.M.	G.P.M.	E.J.M.			H-4-24822
DATE:	MARCH 1970	SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137	DWG. NO. 8	OF 51



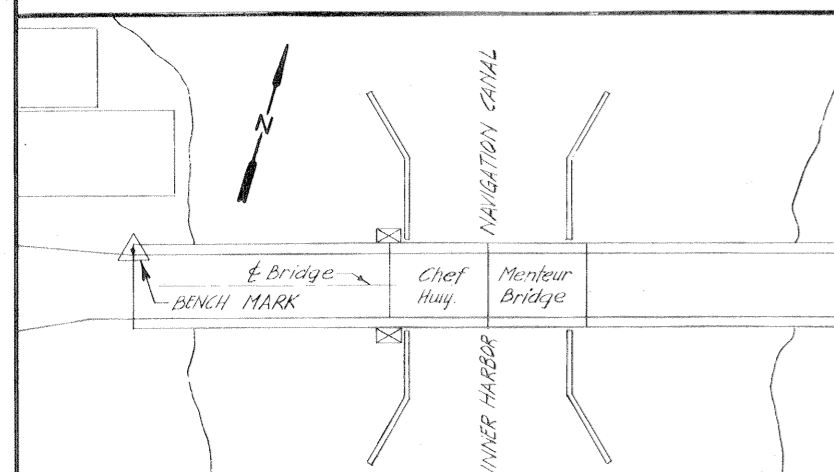
WALL-LINE LAYOUT DATA

BASELINE STATION 1965	AZIMUTH B/L TO W/L	DISTANCE B/L TO W/L	WALL-LINE STATION
120+30.00 B/L		0.00	38+13.67
120+30.00	74°29'32"	42.00	38+55.67
120+52.00	74°29'32"	42.00	38+77.75

Note: Wall line is flood side face of wall.

TABULATION OF BENCH MARK

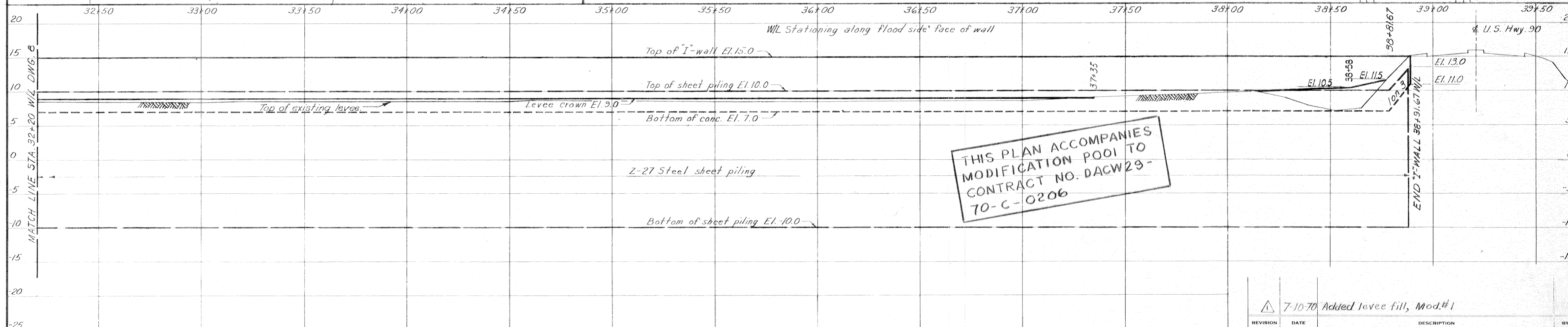
B.M.	EL. M.S.L.	LOCATION OF DESCRIPTION
B 3130	18.953	Top of walk northwest end of bridge 1 ft east of west end of walk, 1 ft south of south edge of west concrete guard post, 4 ft north of the north curb of Hwy. 90, 1 ft above Hwy.



PLAN
Scale: 1" = 20'

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Note: For general notes, see dwg. 2

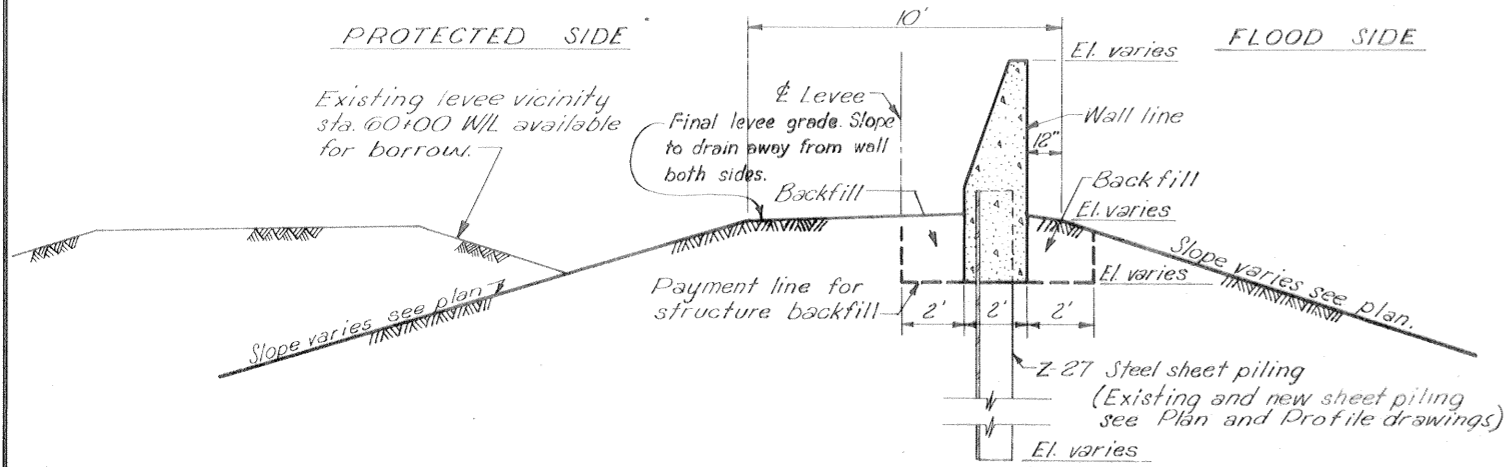


PROFILE
Vert. 1" = 6'
Scale: Hor. 1" = 20'

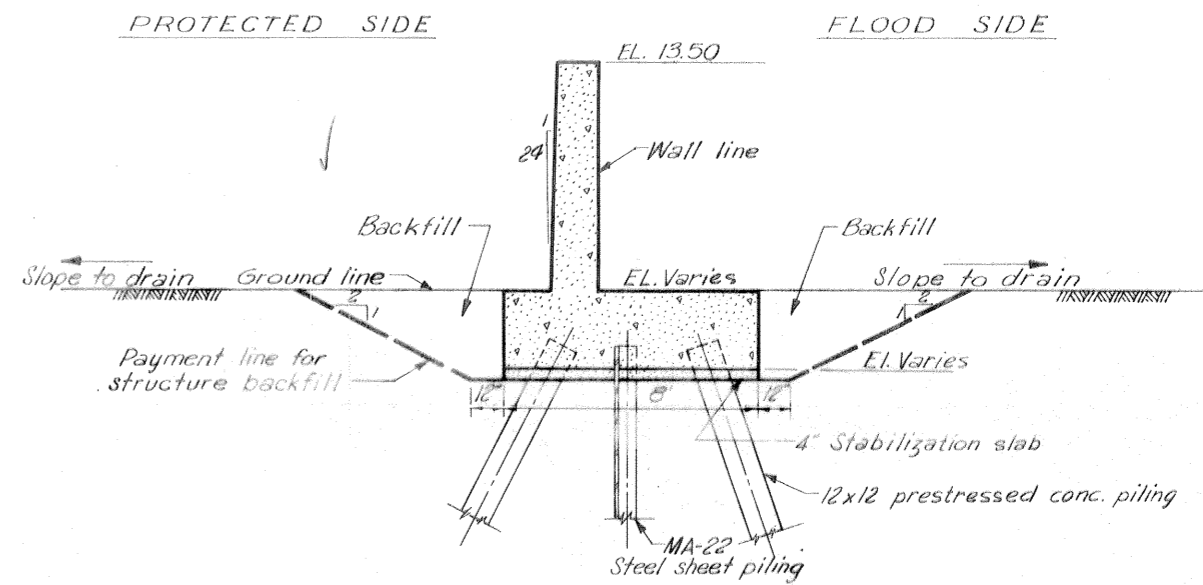
THIS PLAN ACCOMPANIES MODIFICATION POOL TO CONTRACT NO. DACW29-70-C-0206

7-10-70 Added levee fill, Mod.#1		BY	
DESIGNED: D.A.M.	DRAWN: G.P.M.	CHECKED: E.J.M.	FILE NO. H-4-24822
DATE: MARCH 1970	SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137	DWG. NO. 9 OF 51

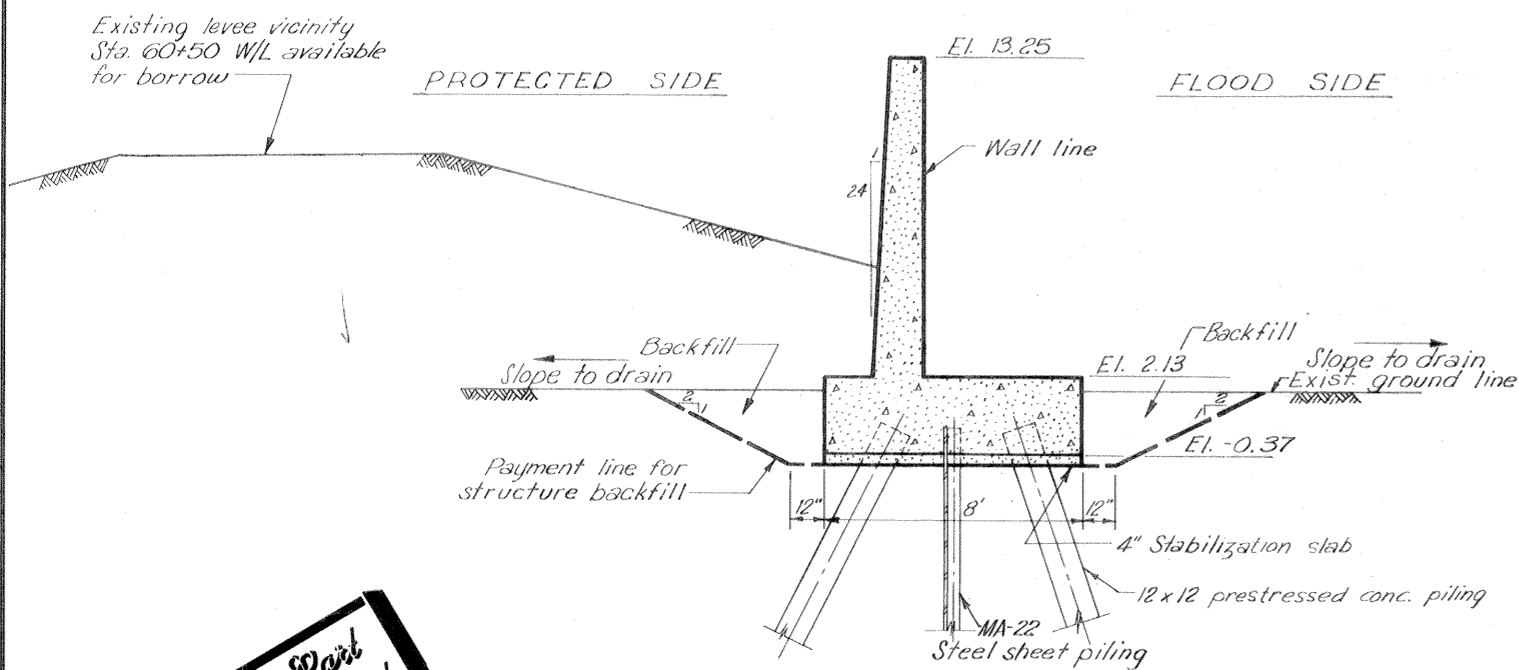
PLAN AND PROFILE



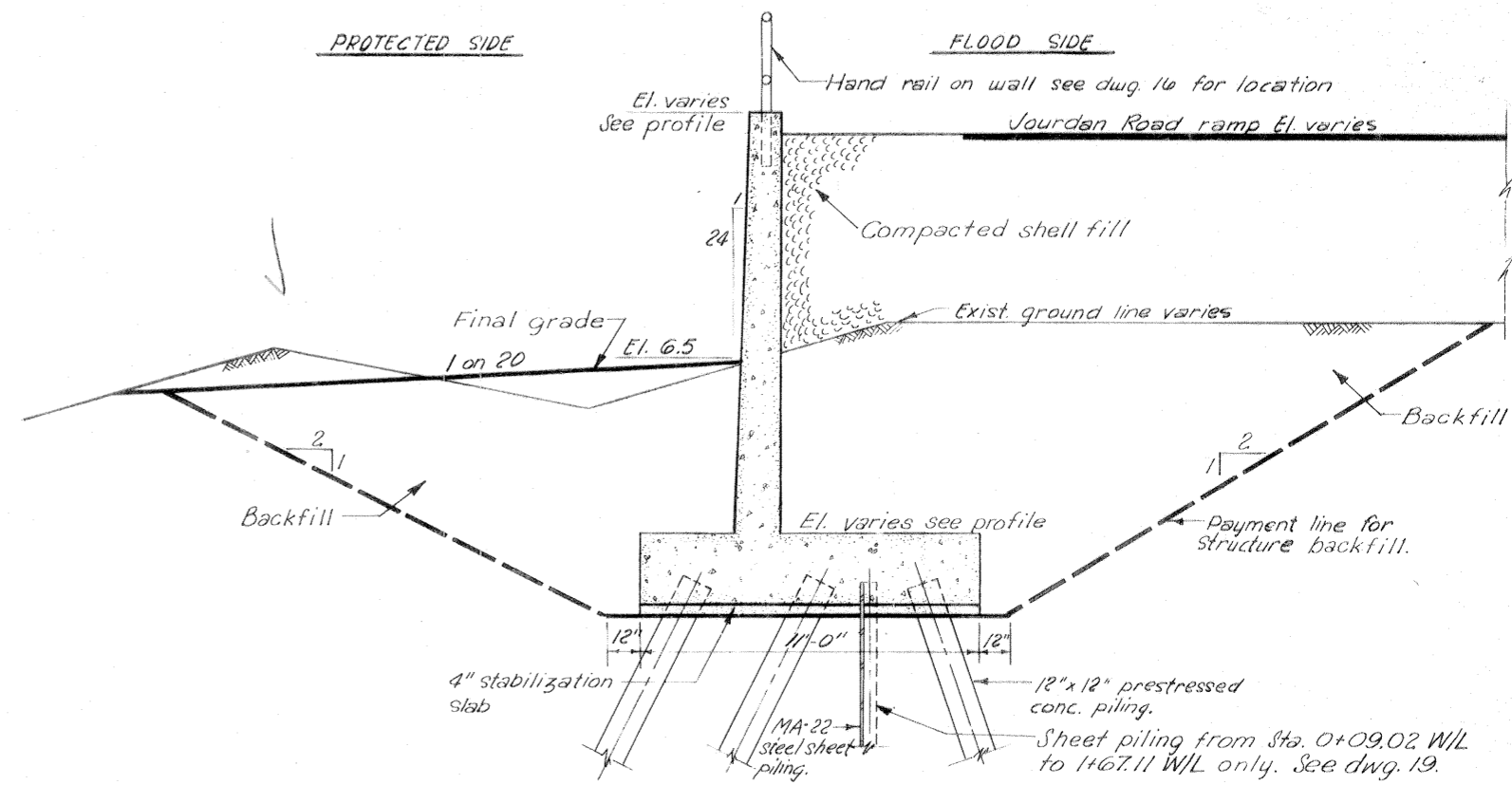
57+73.5 W/L TO 60+05.86 W/L (See dwg. 2)
 63+11.39 W/L TO 63+31.39 W/L (See dwg. 2)
 66+36± W/L TO 66+59.67 W/L (See dwg. 3)
 67+40.33 W/L TO 67+46± W/L (See dwg. 3)
 0+03.5 W/L TO 0+09.02 W/L (See dwg. 4)



66+59.67 W/L TO 67+40.33 W/L (See dwg. 3)
 See dwg. 28429 for Gate 2E details.

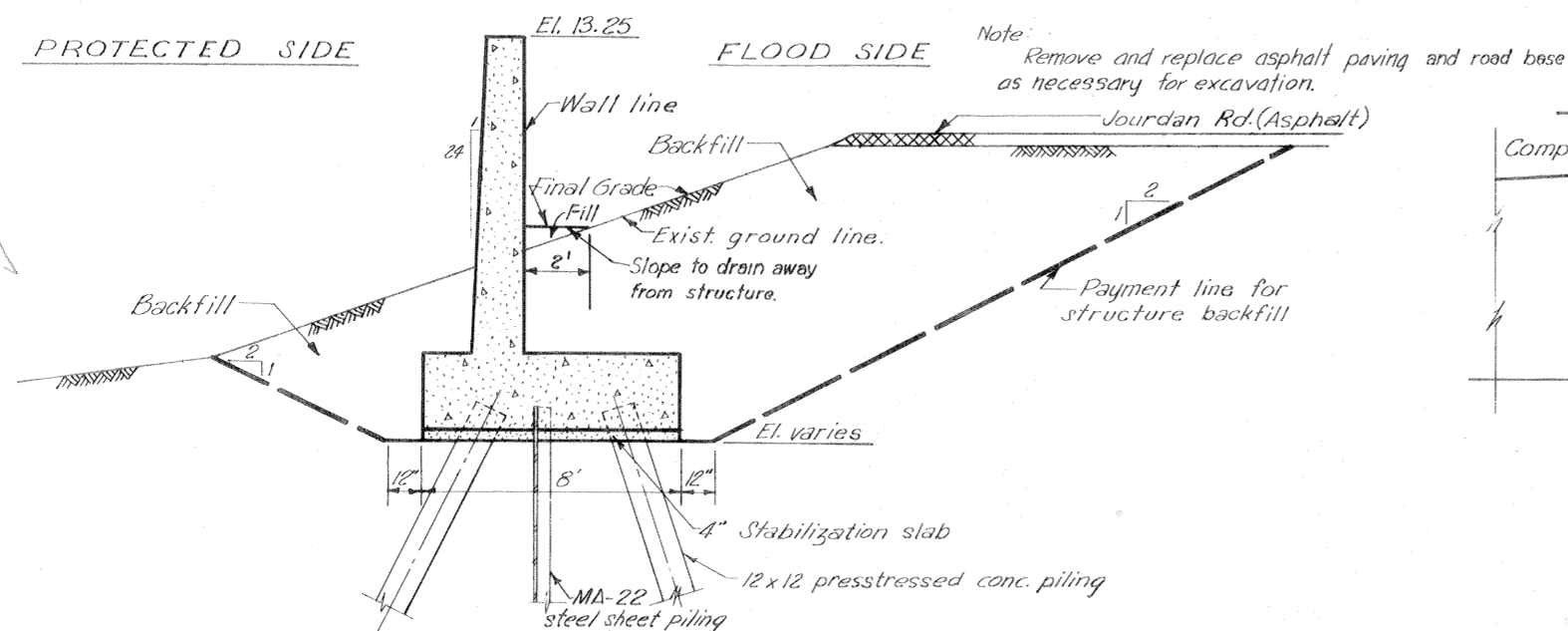


60+05.86 W/L TO 61+30.74 W/L
 Sta. 60+93.44 W/L to 61+30.74 W/L
 See dwg. 27 for Gate 1E details.

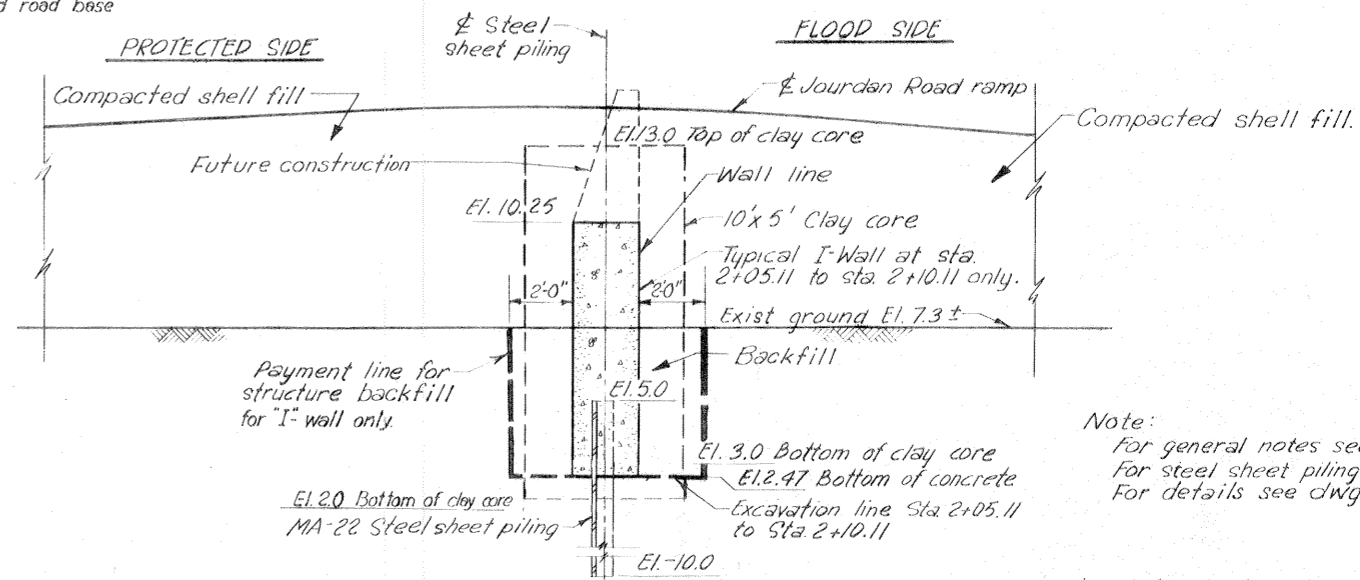


0+09.02 W/L TO 1+67.11 W/L = 84+61A
 84+61A TO 85+61A

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61+30.74 W/L TO 63+11.39 W/L



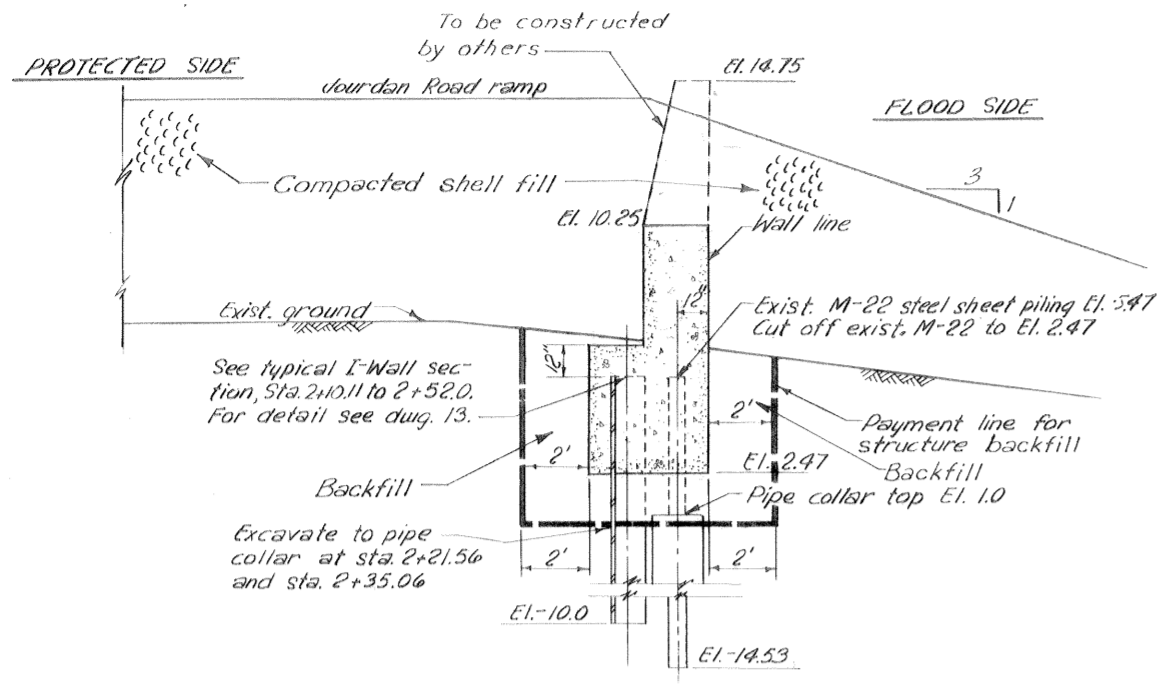
1+67.11 W/L TO 2+10.11 W/L

TYPICAL SECTIONS
 Scale 1"=3'

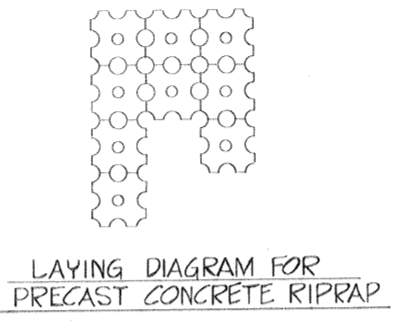
TYPICAL SECTIONS

REVISION	DATE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: B.H.D.	CHECKED: E.J.M.	FILE NO.
DATE: MARCH 1970			SCALE: SHOWN
SPEC. NO. DAC#29-70-B-037			DWG. NO. 10 OF 51

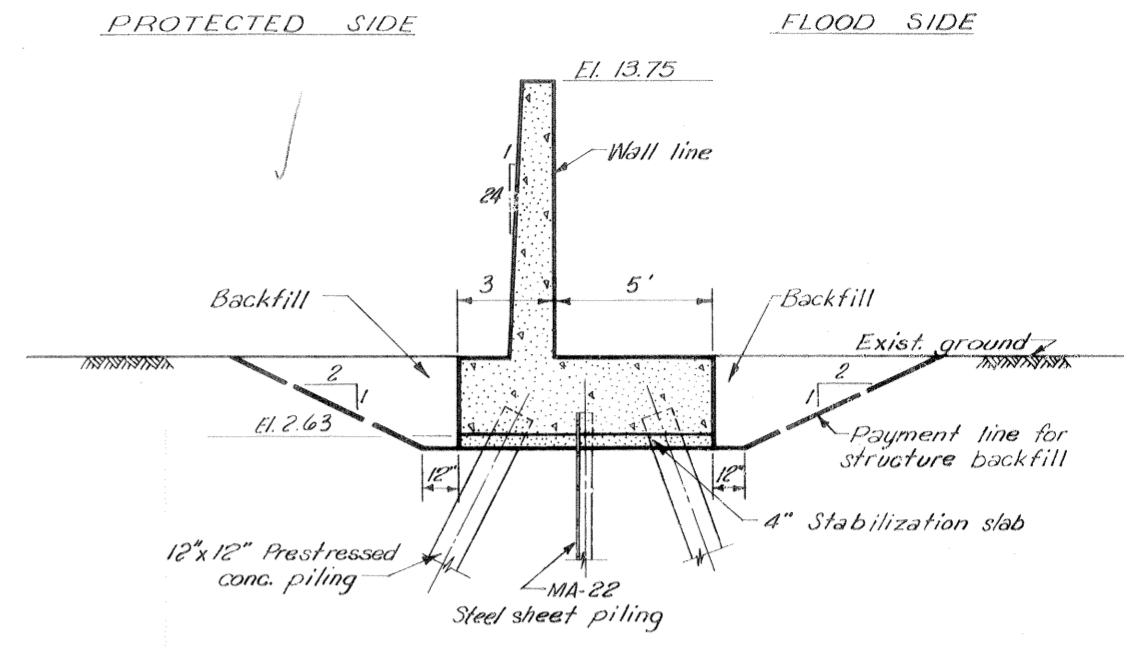
H-4-24822



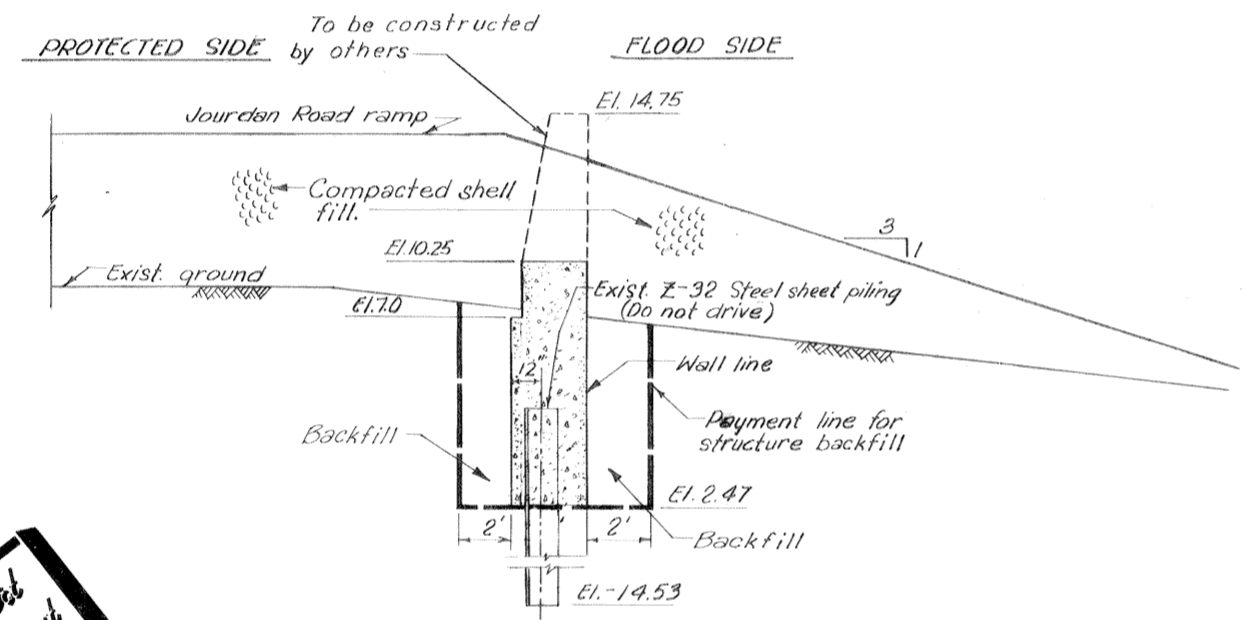
2+10.11 W/L TO 2+52± W/L



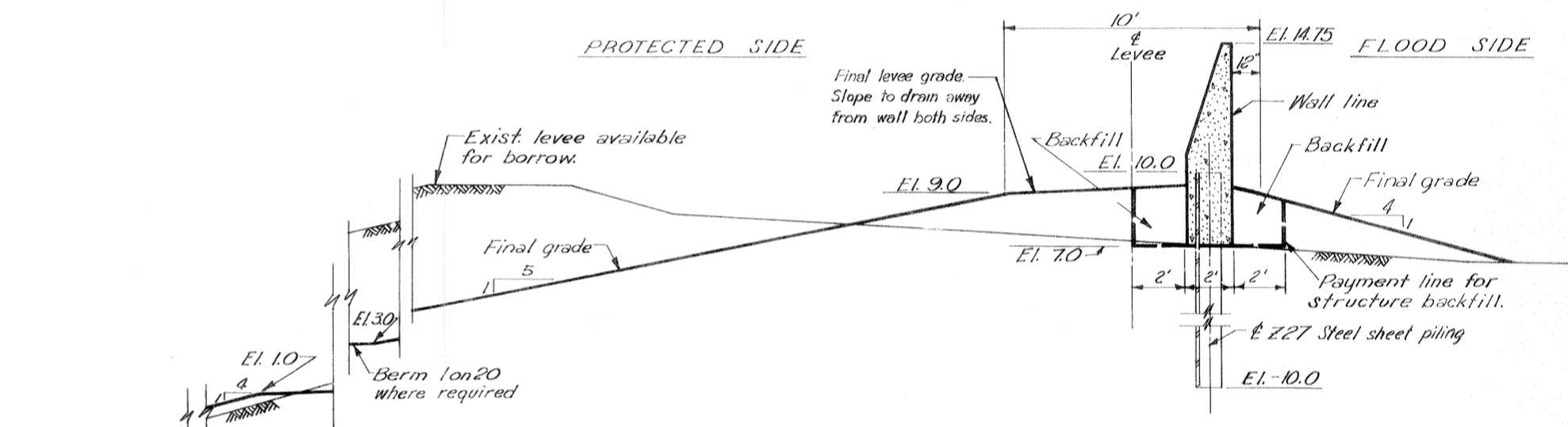
LAYING DIAGRAM FOR PRECAST CONCRETE RIPRAP



3+20.92 W/L TO 3+95.67 W/L
For Gate 3E details see dugs 30 & 31

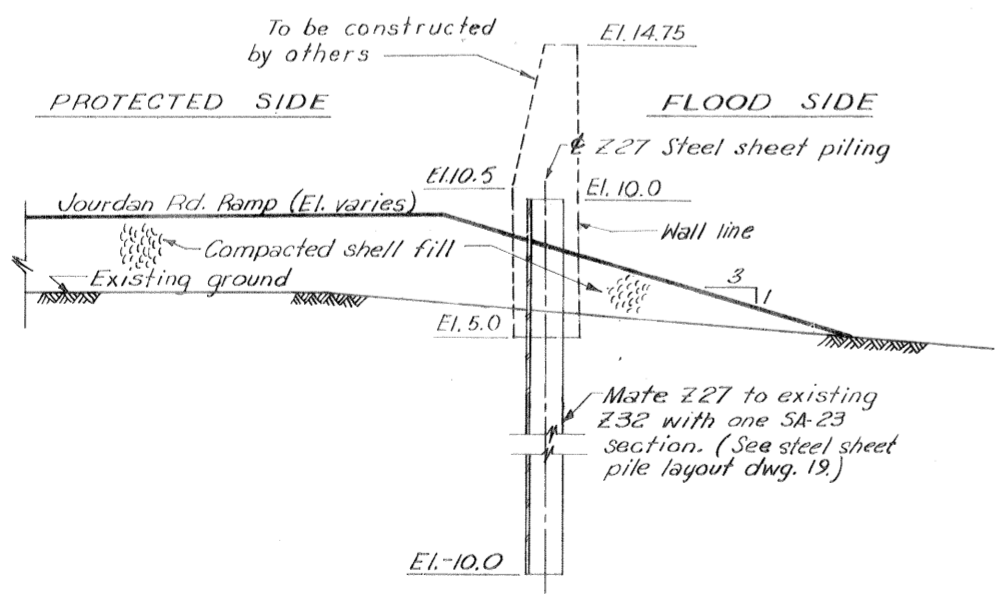


2+52± W/L TO 2+82± W/L

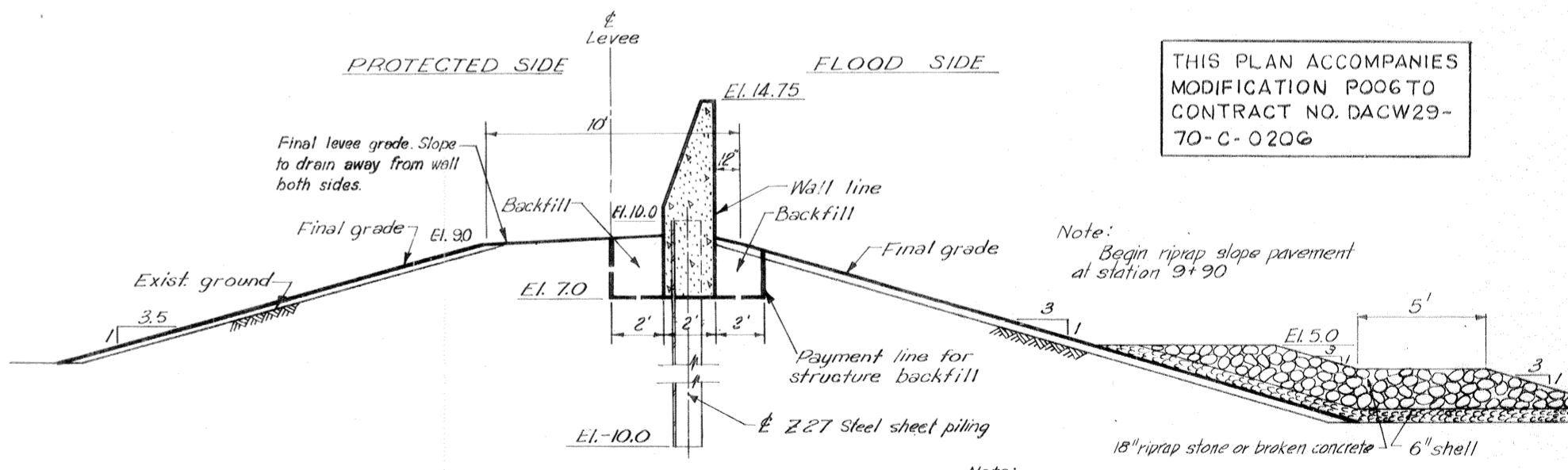


3+95.67 W/L TO 8+38.09 W/L

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2+82± W/L TO 3+20.92 W/L



8+38.09 W/L TO 10+34.00 W/L

THIS PLAN ACCOMPANIES MODIFICATION P006 TO CONTRACT NO. DACW29-70-C-0206

Note:
Begin riprap slope pavement at station 9+90

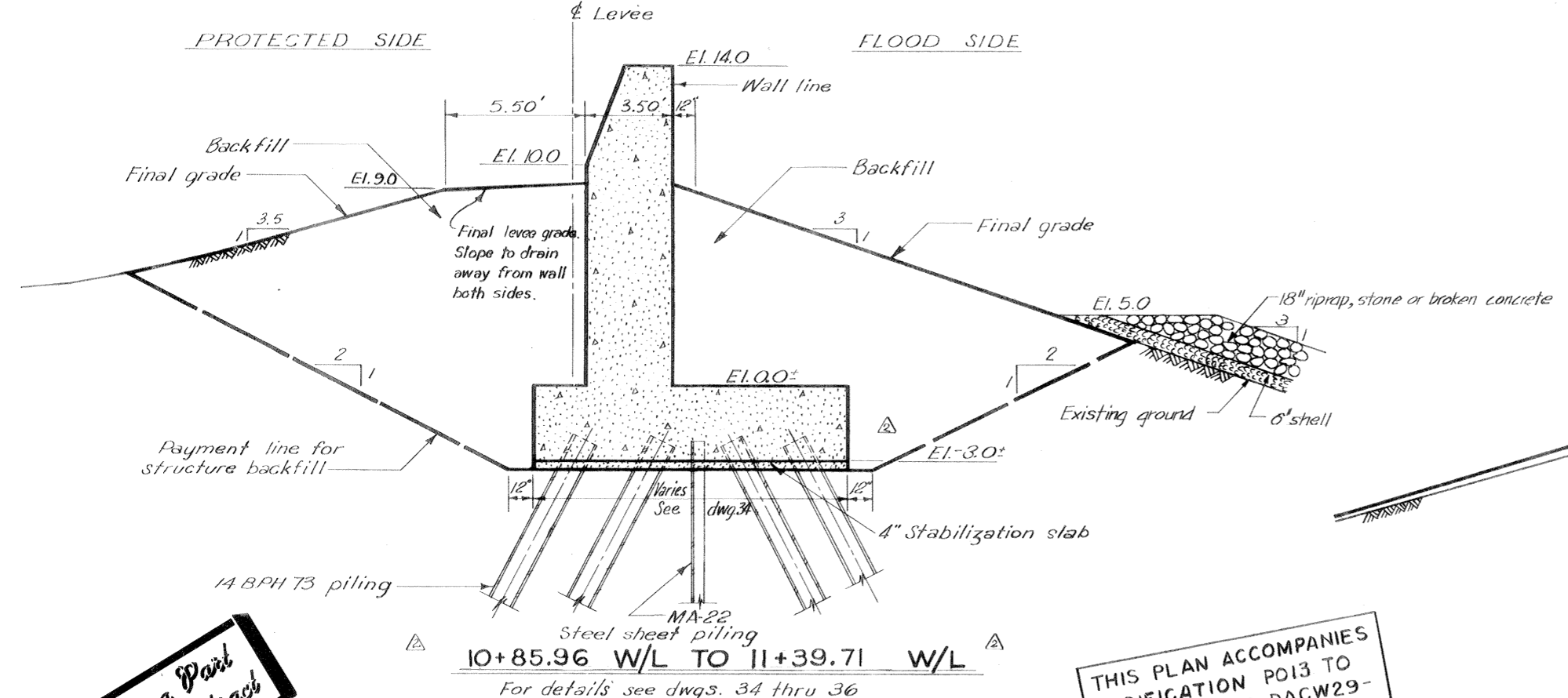
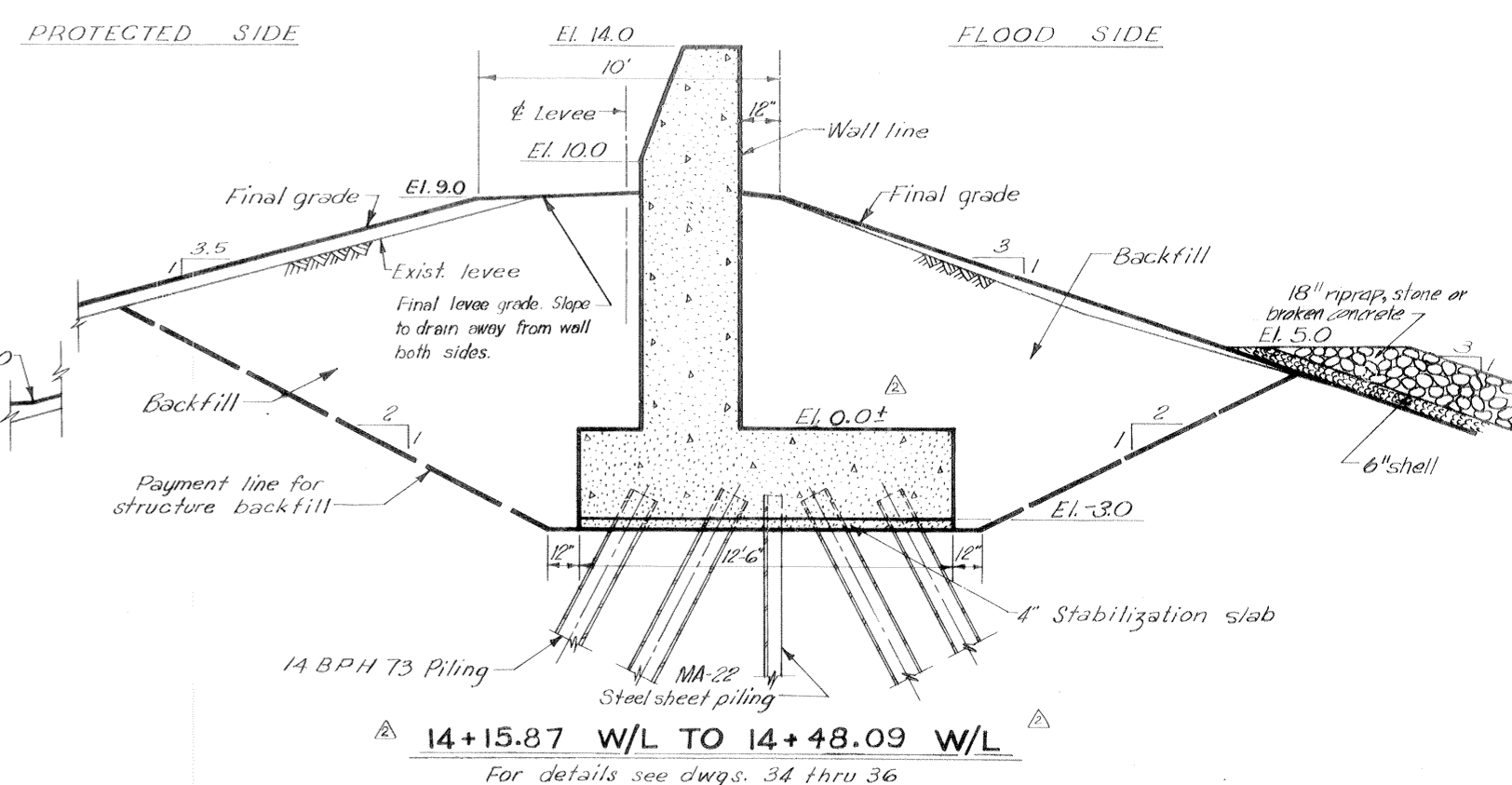
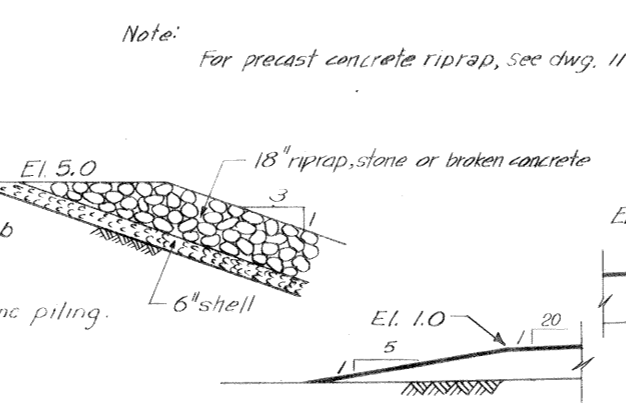
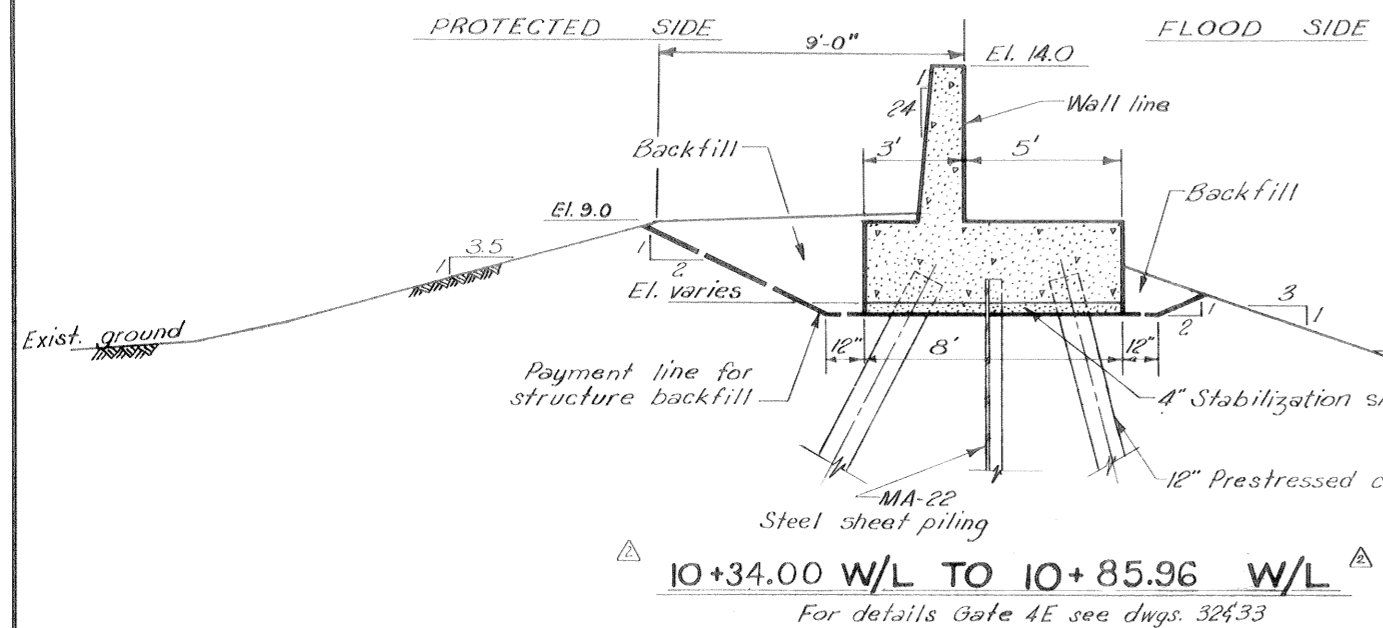
Note:
For general notes, see dwg. 2
For guardrail details, see dwg. 16
For steel sheet piling plan, see dwg. 18 thru 22.
One layer of precast concrete riprap may be used in lieu of broken concrete or stone riprap.

TYPICAL SECTIONS

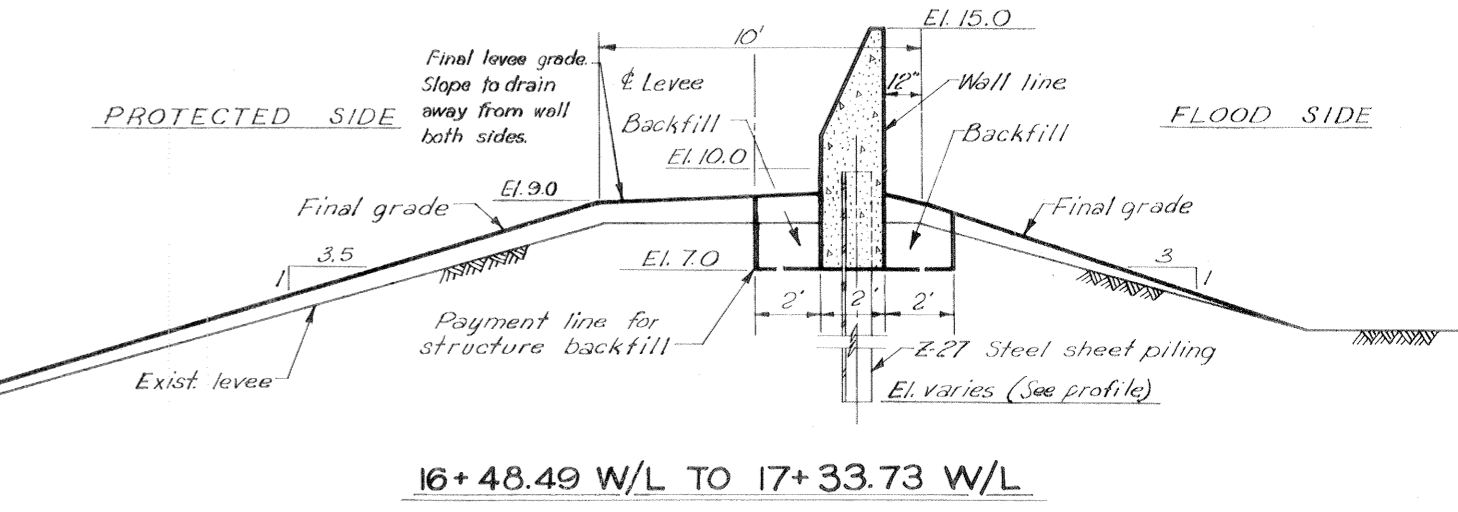
Scale: 1" = 3'

TYPICAL SECTIONS

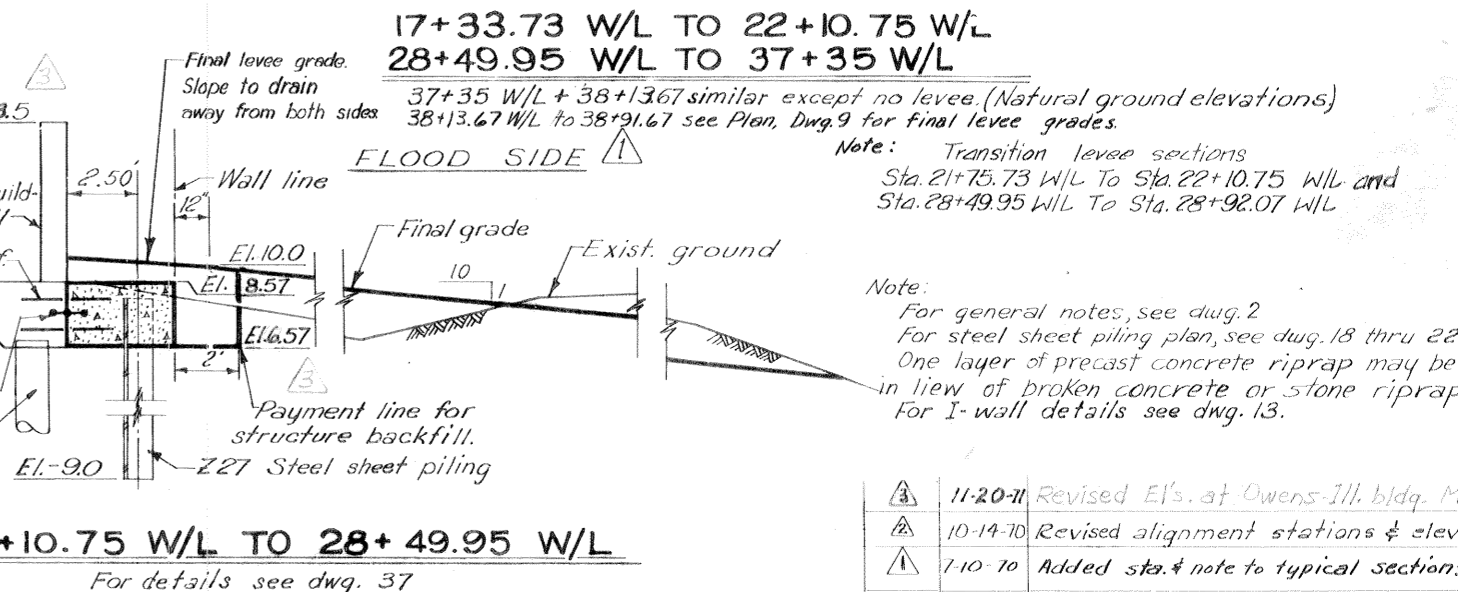
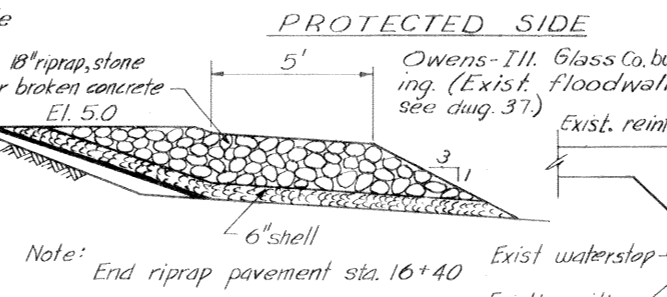
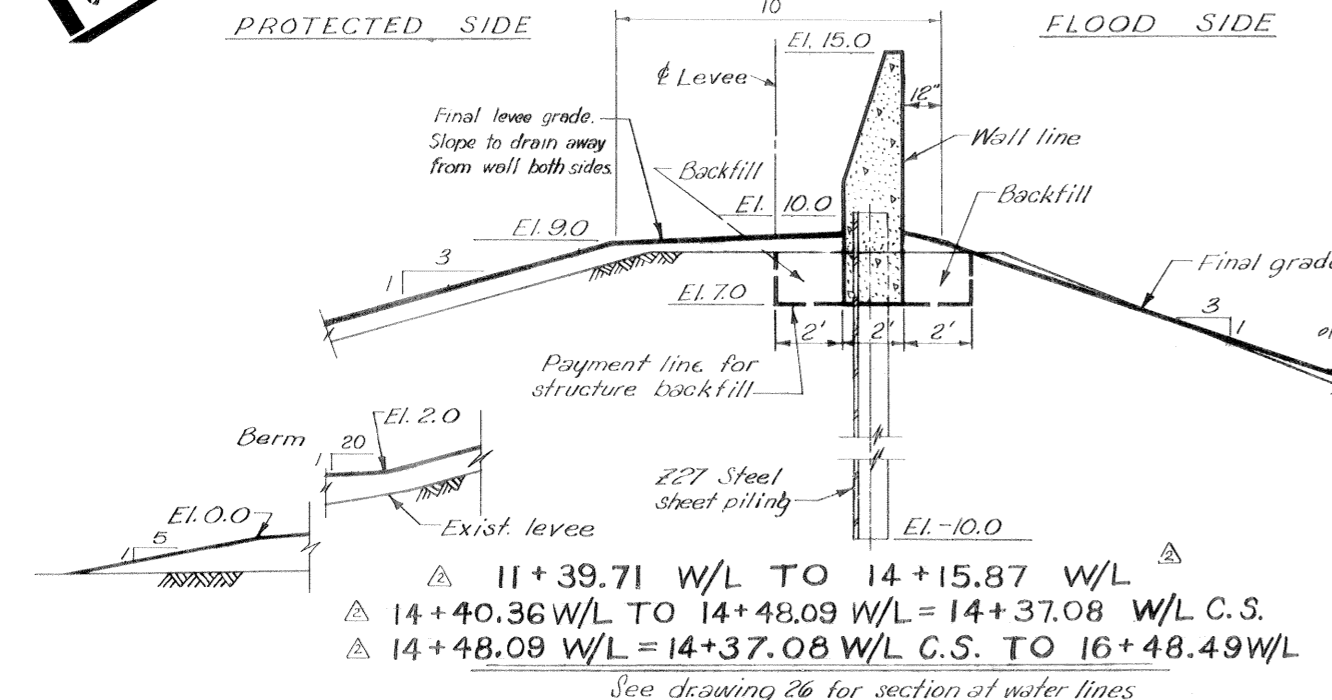
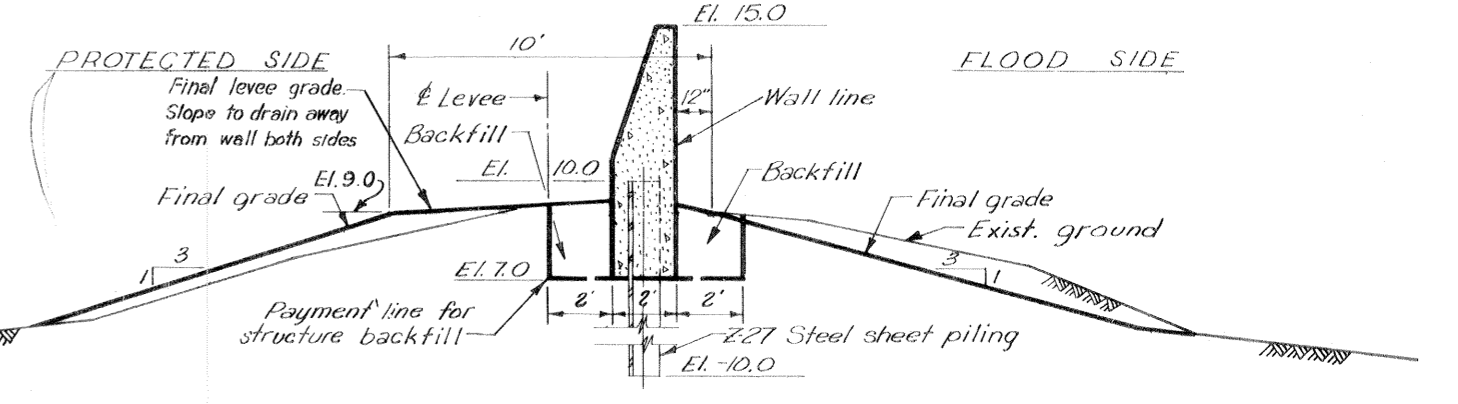
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.:	SIZE:	FILE NO.:	BY:
D.A.M.	B.H.D.	E.J.M.			H-4-24822	
DATE:	MARCH 1970	SCALE:	SHOWN	SPEC. NO. DACW29-70-B-0137	DWG. NO. 11	OF 51



THIS PLAN ACCOMPANIES MODIFICATION P013 TO CONTRACT NO. DACW29-70-C-0206



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37+35 W/L + 38+1367 similar except no levee (Natural ground elevations)
38+13.67 W/L to 38+91.67 see Plan, Dwg. 9 for final levee grades.

Note: Transition levee sections Sta. 21+75.73 W/L To Sta. 22+10.75 W/L and Sta. 28+49.95 W/L To Sta. 28+92.07 W/L

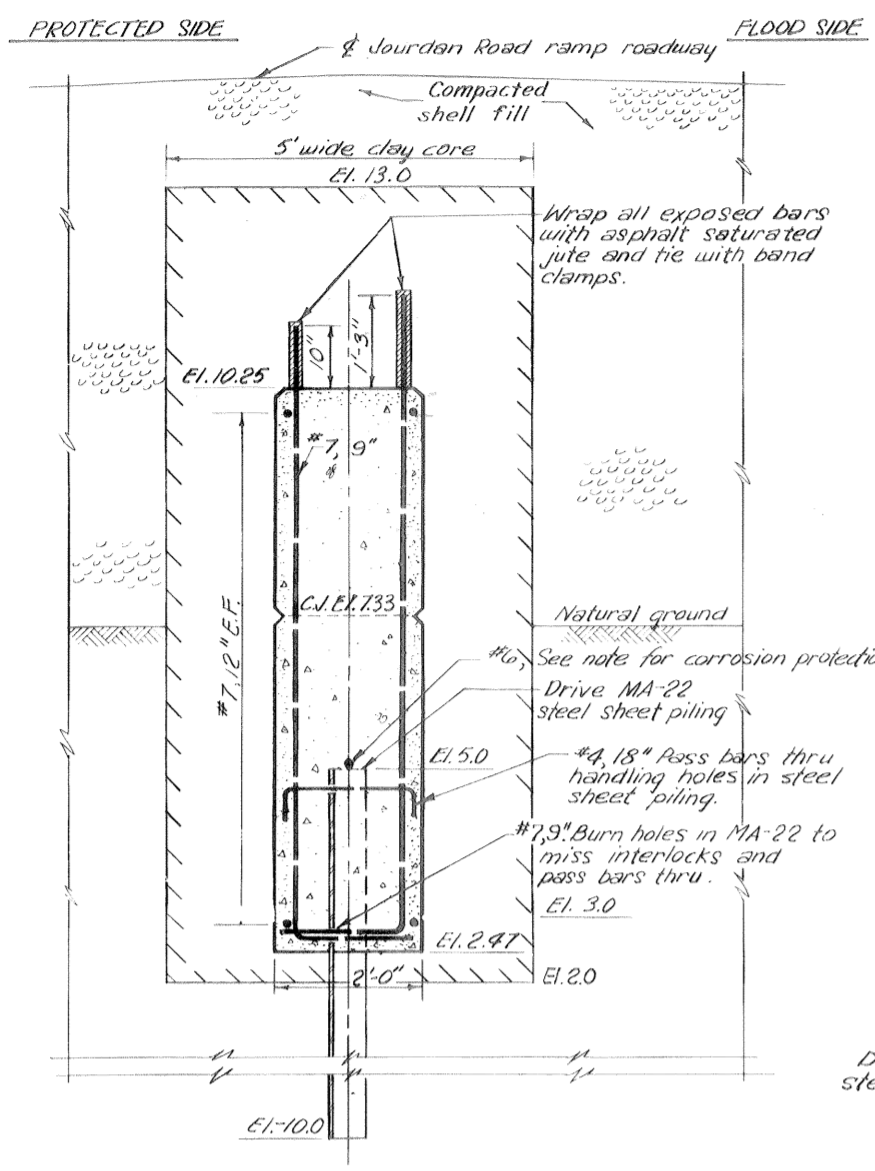
Note: For general notes, see dwg. 2
For steel sheet piling plan, see dwg. 18 thru 22.
One layer of precast concrete riprap may be used in lieu of broken concrete or stone riprap.
For I-wall details see dwg. 13.

TYPICAL SECTIONS

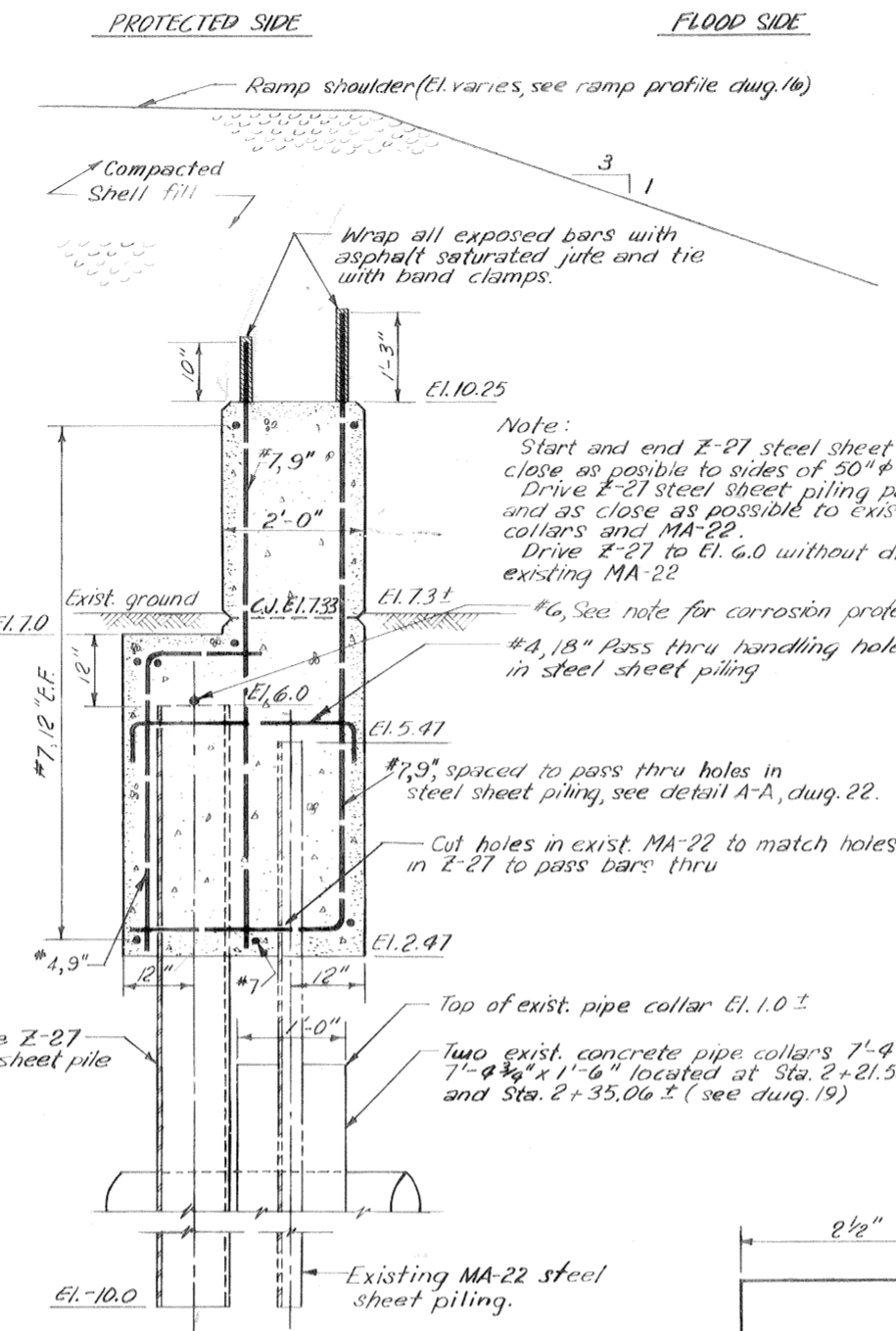
Scale 1"=3'

TYPICAL SECTIONS

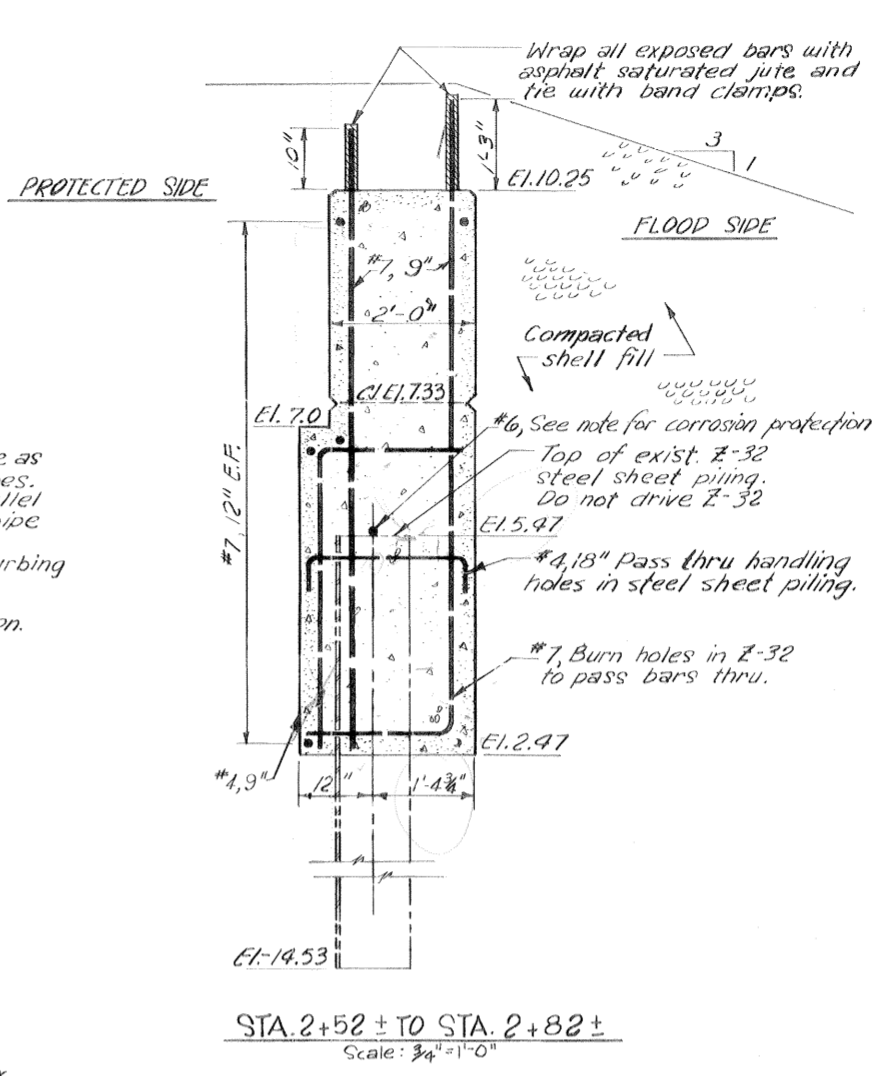
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY
D.A.M.	B.H.D.	E.J.M.				
H-4-24822						
DATE: MARCH 1970		SCALE: SHOWN		SPEC. NO. DACW29-70-B-0137		DMR 12 OF 51



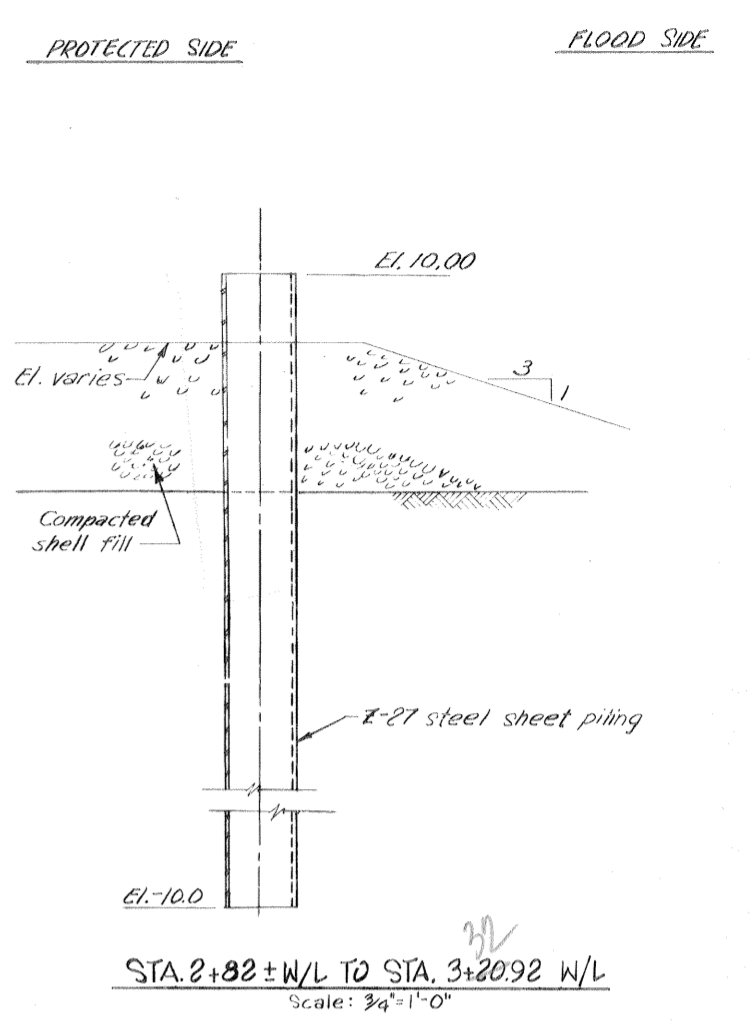
STA. 2+05.11 TO STA. 2+10.11
Scale: 3/4"=1'-0"



STA. 2+10.11 TO STA. 2+52±
Scale: 3/4"=1'-0"



STA. 2+52± TO STA. 2+82±
Scale: 3/4"=1'-0"



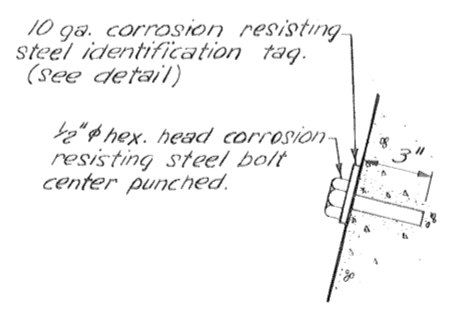
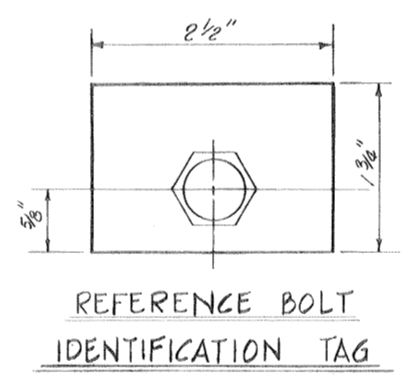
STA. 2+82± TO STA. 3+20.92 W/L
Scale: 3/4"=1'-0"

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SETTLEMENT REFERENCE BOLT SCHEDULE					
W/L STATION	DISTANCE BELOW TOP OF WALL	W/L STATION	DISTANCE BELOW TOP OF WALL	W/L STATION	DISTANCE BELOW TOP OF WALL
57+75	0.5	3+20	0.5	17+32	0.5
57+77		3+22		17+34	
59+85		3+94		19+42	
59+87		3+97		19+44	
60+60		4+39		21+74	
61+62	0.5	4+41		21+76	
61+35	4.0	6+18		22+10	
61+37		6+20		22+12	
61+93		8+36		24+20	
61+95	4.0	8+38		24+22	
63+50	0.5	8+98		26+39	
63+52		9+00		26+41	
66+37		10+39		28+49	
66+59		10+41		28+51	
66+61		10+90		28+92	
67+39		10+92		28+92	
67+41		11+4.5		31+62	
67+45		11+46		31+64	
67+47		12+65		34+65	
†82+95 B/L-0+00		12+67		38+67	
0+89		14+24		37+35	
0+91		14+26		37+37	
†84+60A B/L-1+66		14+68 †		38+14	
†84+62A B/L		14+38 †		38+16	
†85+60 B/L		16+17		38+56	
2+09		16+19		38+58	0.5
3+25		16+47			
3+27	0.5	16+49	0.5		

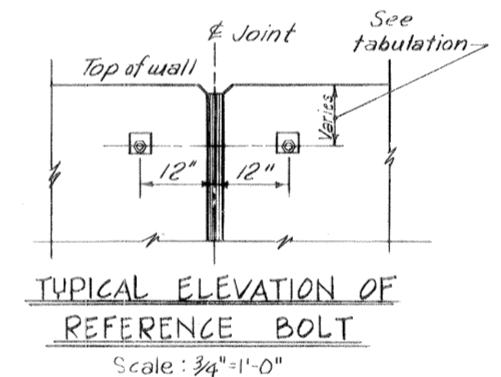
* B/L denotes baseline † 14+48.09 = 14+37.08 C.S.

NOTE: Monolith joints fall at steel sheet pile interlocks, W/L stations are approximate. Locate reference bolts at nearest W/L station to those shown.

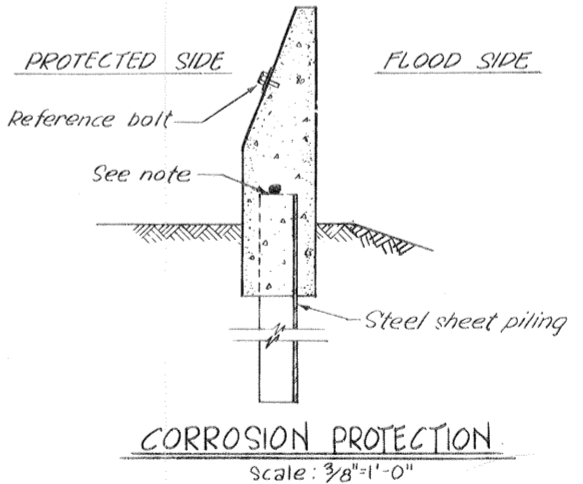


REFERENCE BOLT IDENTIFICATION TAG

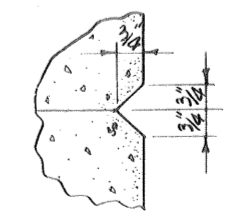
Note:
No. 6 reinf. rod to be welded to the top of each steel sheet pile. Install flexible jumper at all monolith joints. Jumpers shall be insulated No. 10 AWG copper insulated with cross linked polyethylene in a 8" dia. loop. Jumper shall be welded as specified to adjacent steel sheet piles 3 inches below the bottom of the concrete cap. Welded connections shall be coated with splicing epoxy to obtain moisture proof joints. All steel bearing piling shall be electrically bonded to steel sheet piling with a #6 reinforcing bar.



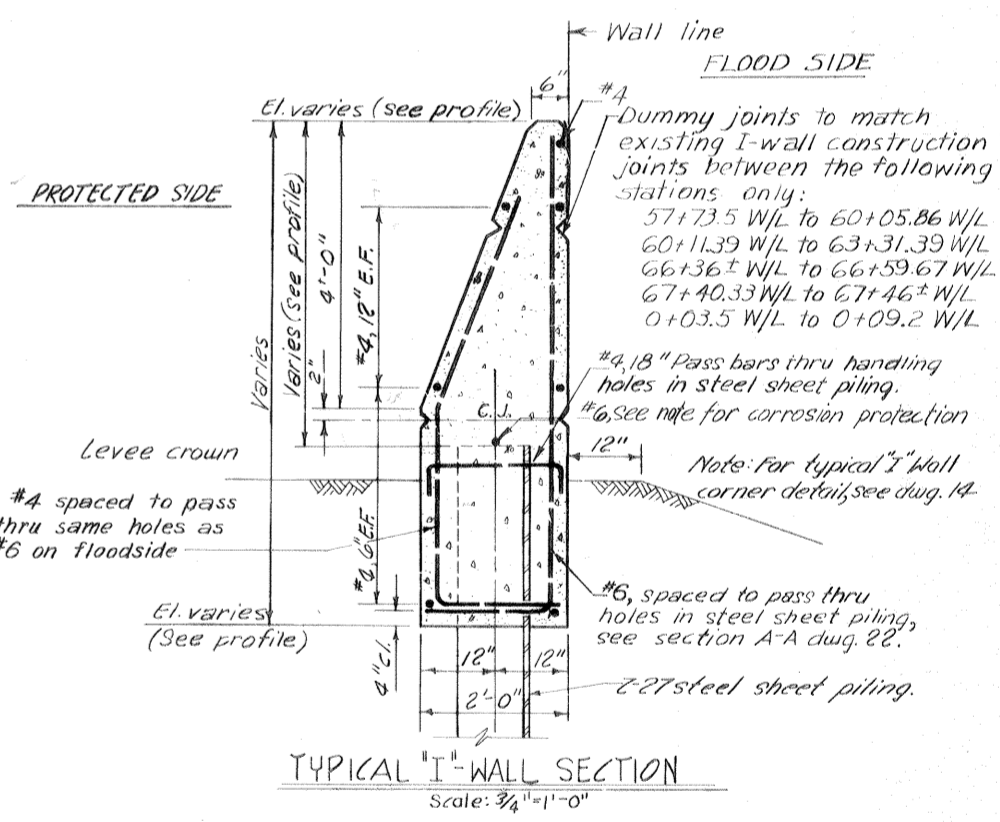
TYPICAL ELEVATION OF REFERENCE BOLT
Scale: 3/4"=1'-0"



CORROSION PROTECTION
Scale: 3/8"=1'-0"



HORIZONTAL CONSTRUCTION JOINT CHAMFER DETAIL



TYPICAL I-WALL SECTION
Scale: 3/4"=1'-0"

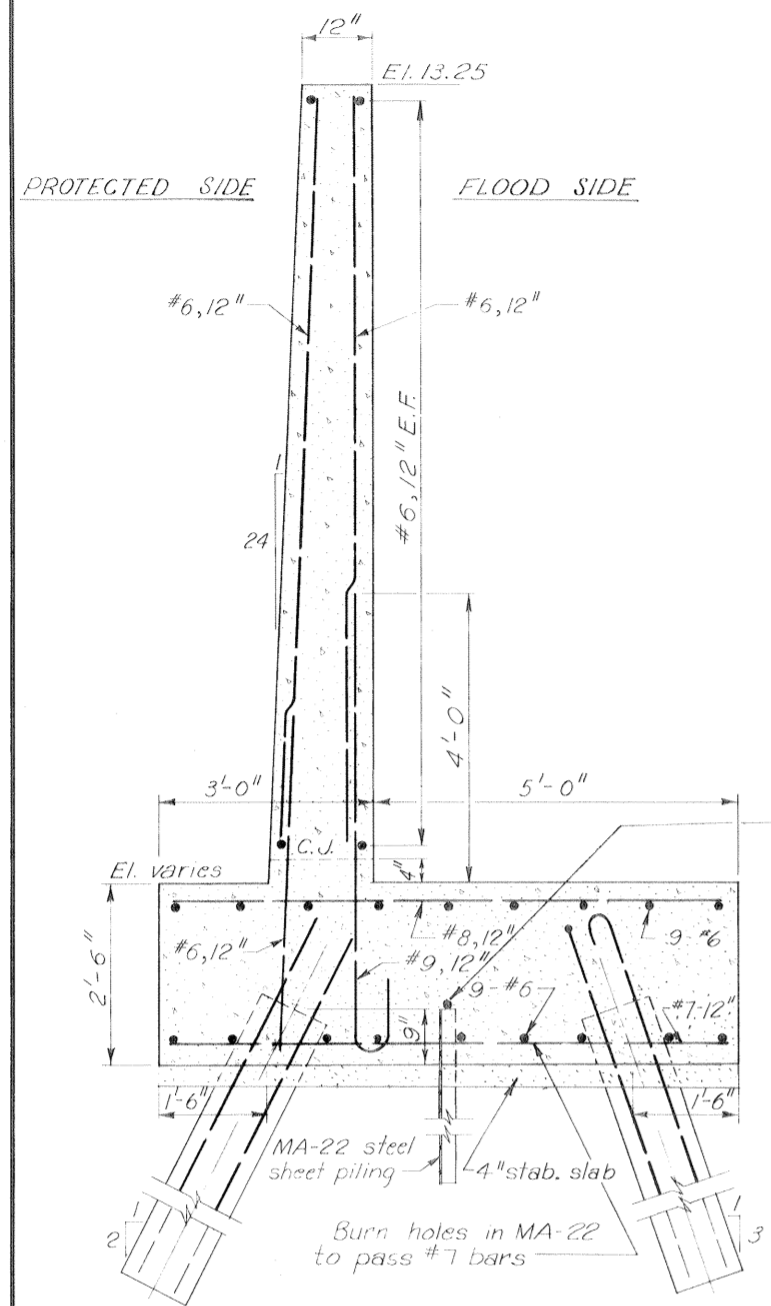
THIS PLAN ACCOMPANIES MODIFICATION P006 TO CONTRACT NO. DACW29-70-C-0206

Note:
For general notes, see dug. 2.
All holes cut in steel sheet piling for reinforcing bar shall not exceed 2"φ.
C.R.S. used for identification tags shall meet the requirements ASTM A 24-67 type 304 or ASTM A 276-67 type 304.

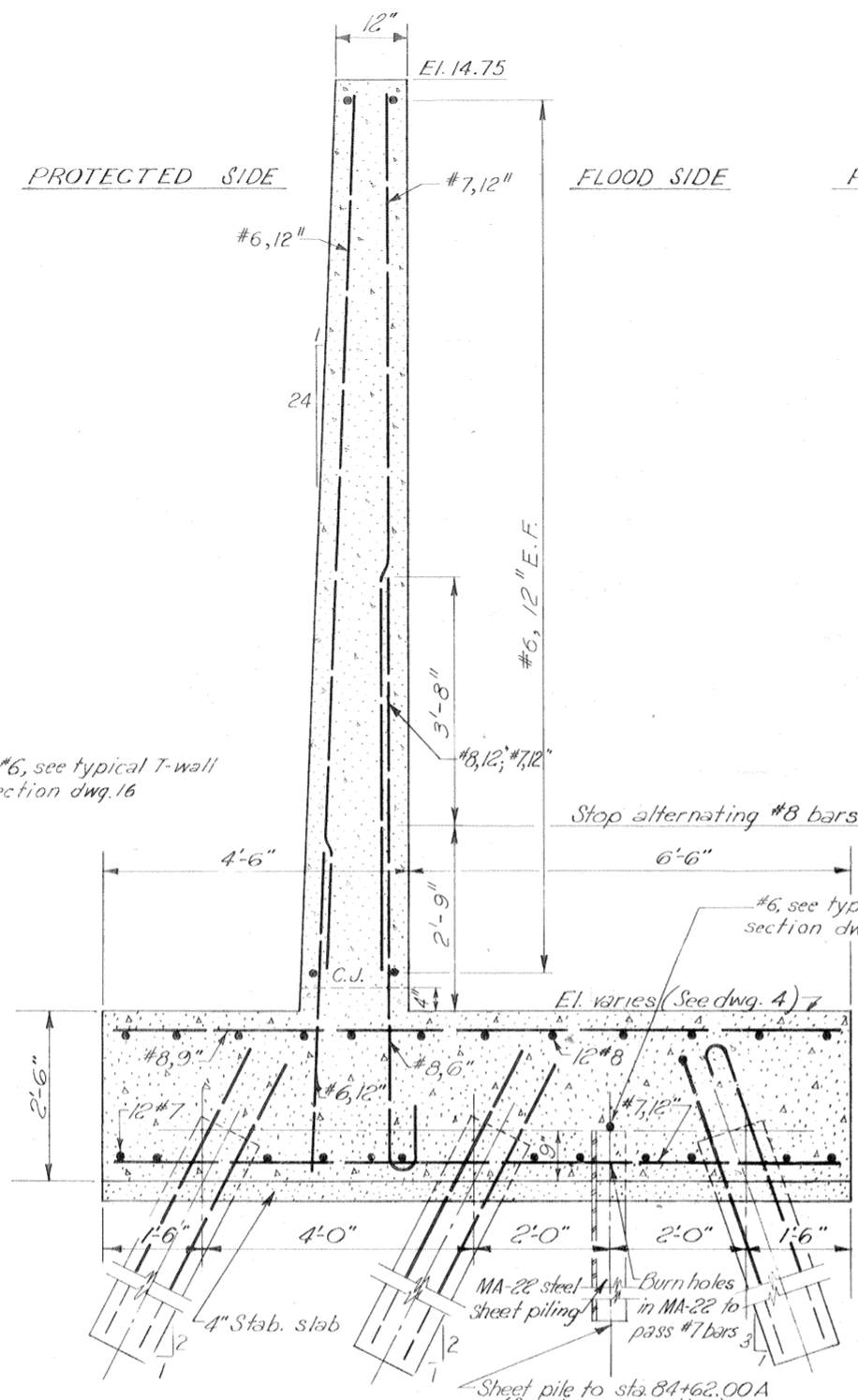
TYPICAL WALL SECTIONS
REFERENCE BOLTS AND CORROSION PROTECTION

REVISION	DATE	DESCRIPTION	BY
10-14-70	Revised	Ref. Bolt Schedule & Baseline Sta.	Mod No. 6
E.J.M.	A.M.	D.A.M.	H-4-24822
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137 DWG. NO. 13 OF 51

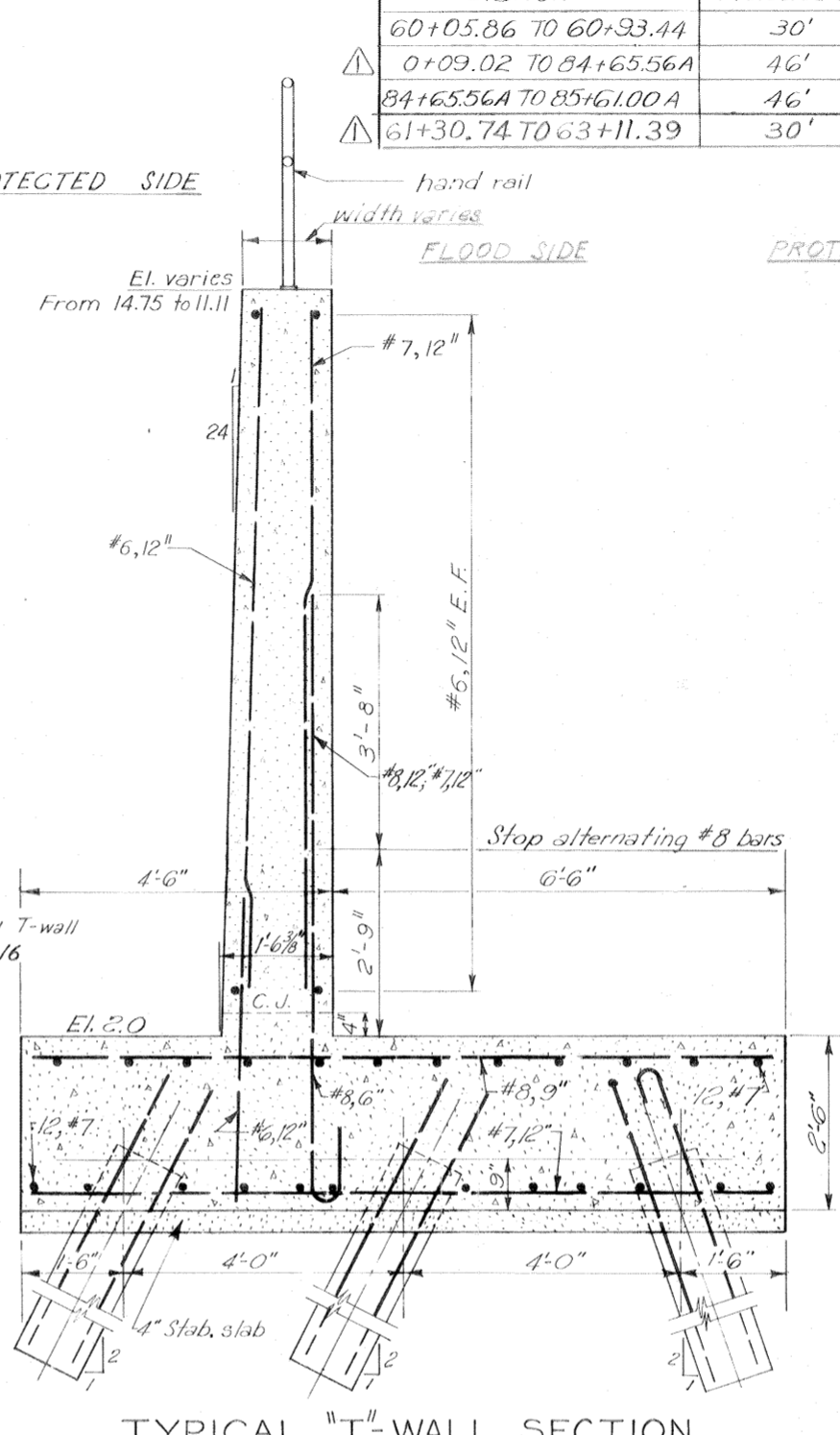
CONCRETE PILE LENGTHS		
Station	Protected Side	Flood Side
60+05.86 TO 60+93.44	30'	35'
0+09.02 TO 84+65.56A	46'	43'
84+65.56A TO 85+61.00A	46'	46'
61+30.74 TO 63+11.39	30'	35'



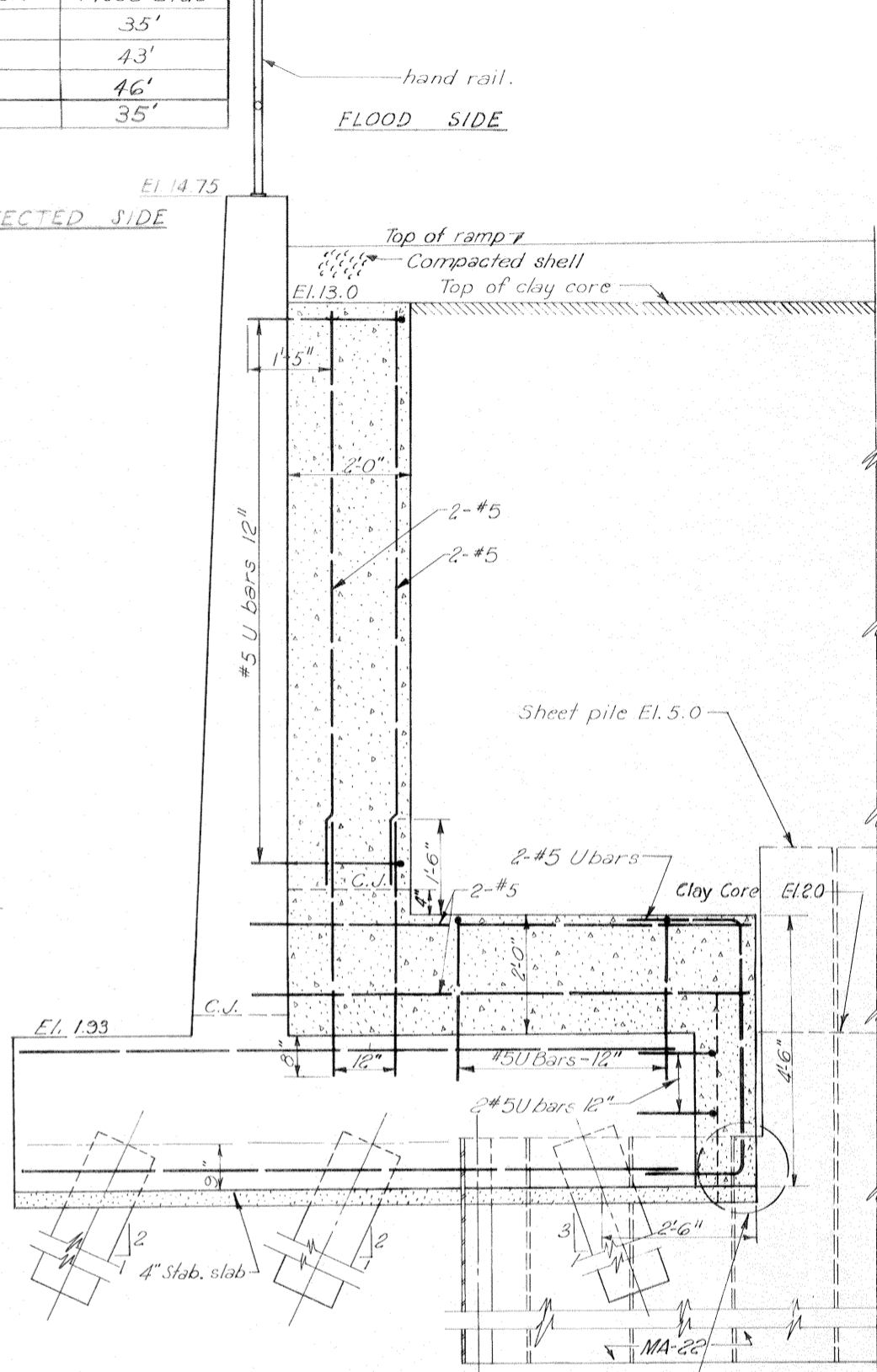
TYPICAL "T"-WALL SECTION
 60+05.86 W/L TO 60+93.44 W/L
 61+30.74 W/L TO 63+11.39 W/L
 Scale: 3/4" = 1'-0"



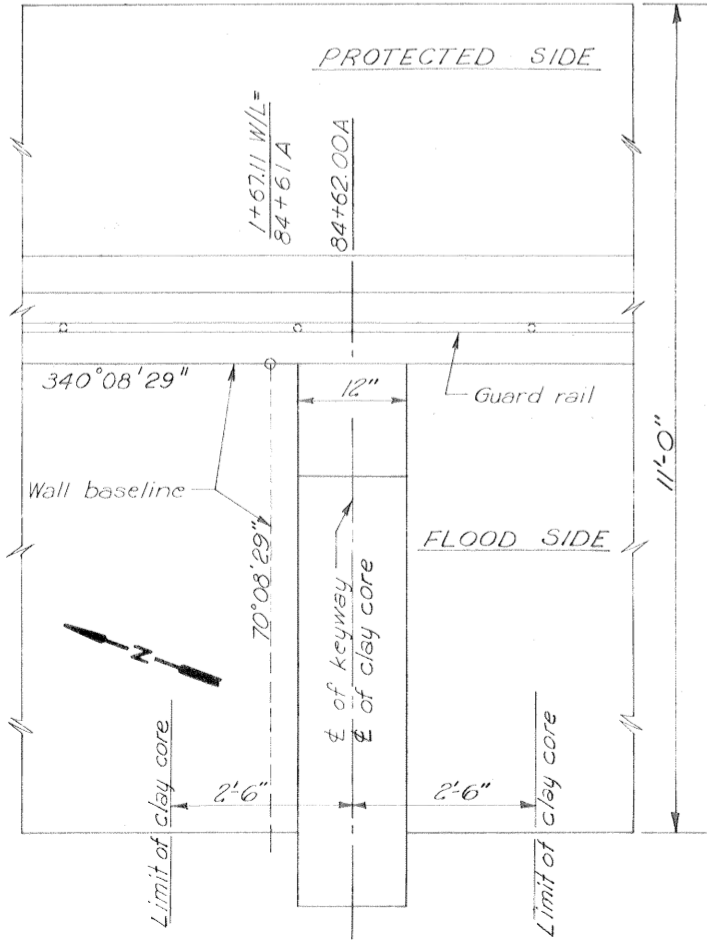
TYPICAL "T"-WALL SECTION
 0+09.02 W/L TO 84+61A
 84+61A TO 84+65.56A
 Scale: 3/4" = 1'-0"



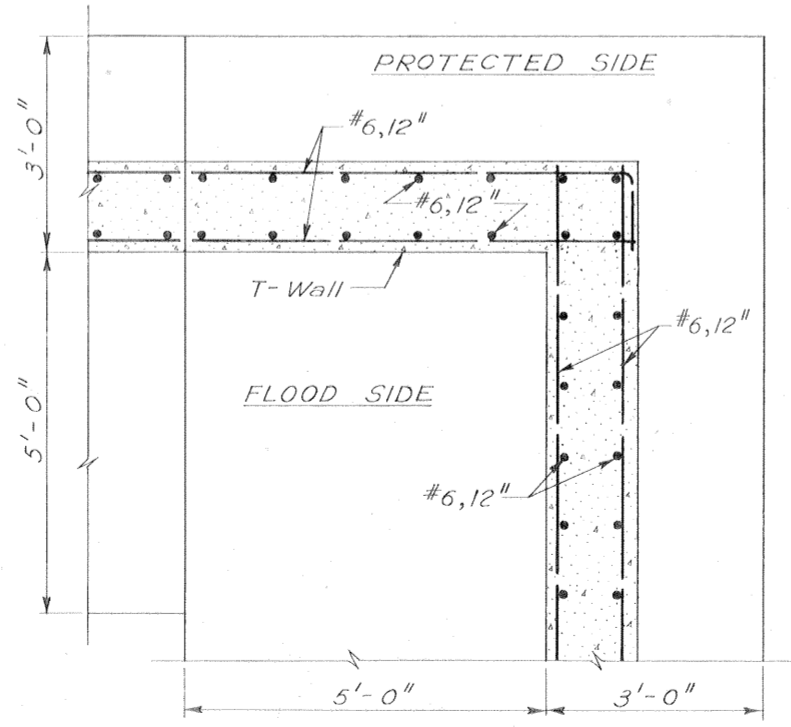
TYPICAL "T"-WALL SECTION
 84+65.56A TO 85+61.00A
 Scale: 3/4" = 1'-0"



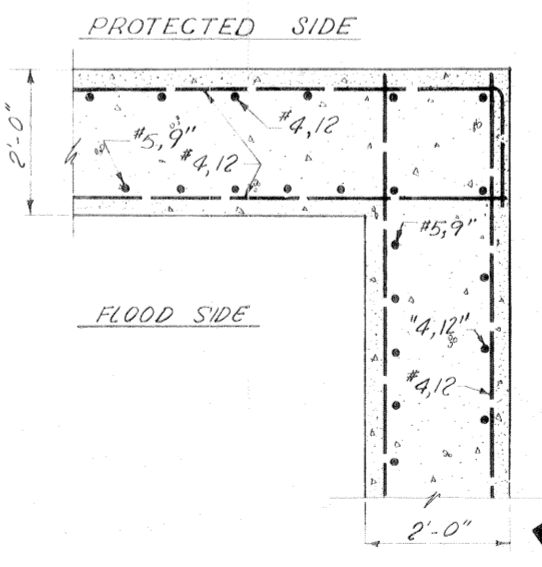
KEY-WAY SECTION
 84+62.0A
 Scale: 3/4" = 1'-0"



PLAN OF KEY WAY
 Scale: 3/4" = 1'-0"



TYPICAL "T"-WALL CORNER DETAIL
 Scale: 3/4" = 1'-0"



TYPICAL "I"-WALL CORNER DETAIL
 Scale: 3/4" = 1'-0"

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Note:
 For general notes, see *dwg. 2*
 For hand rail details, see *dwg. 16*
 For piling details, see *dwg. 48*
 All holes cut in steel sheet piling for reinforcing bars shall not exceed 2" ϕ

TYPICAL WALL SECTIONS

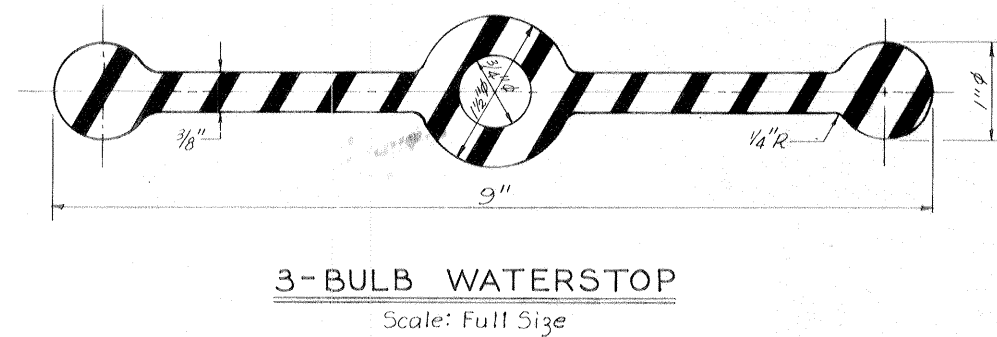
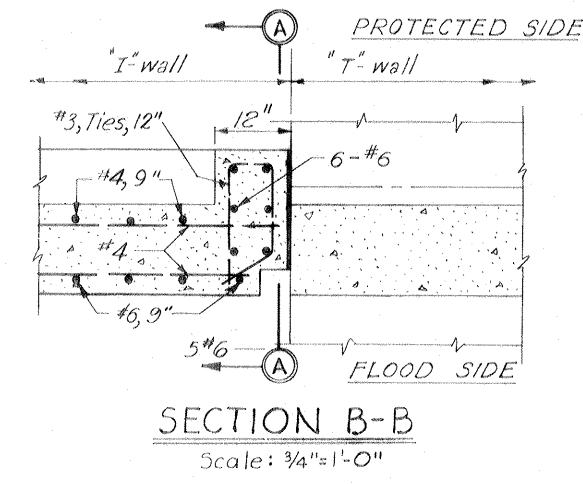
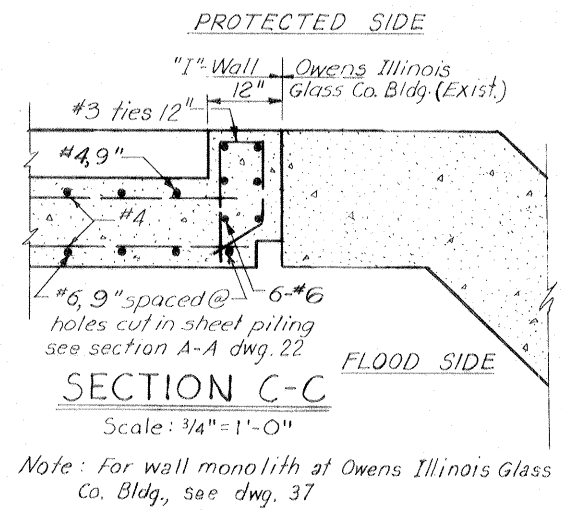
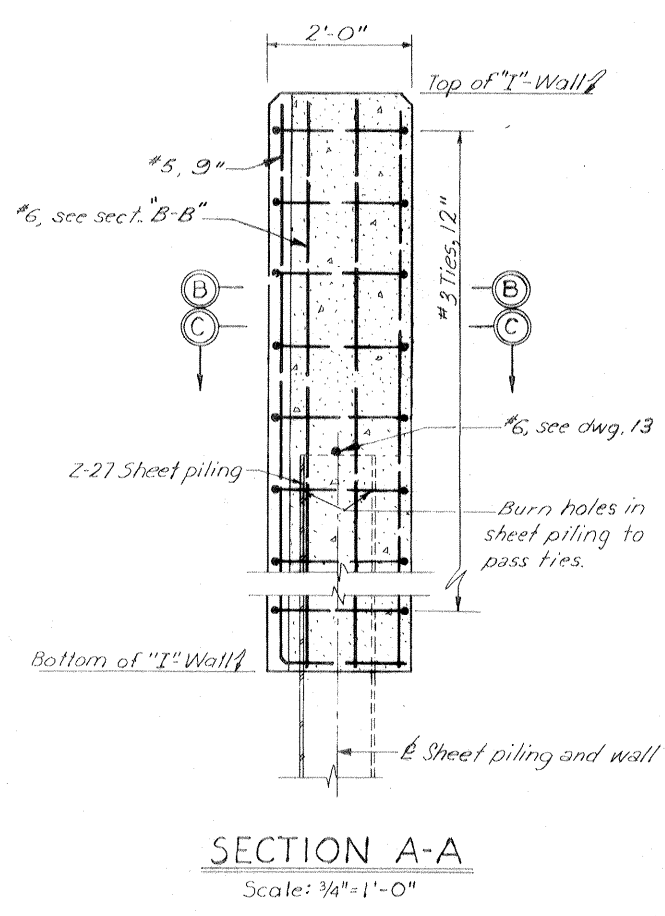
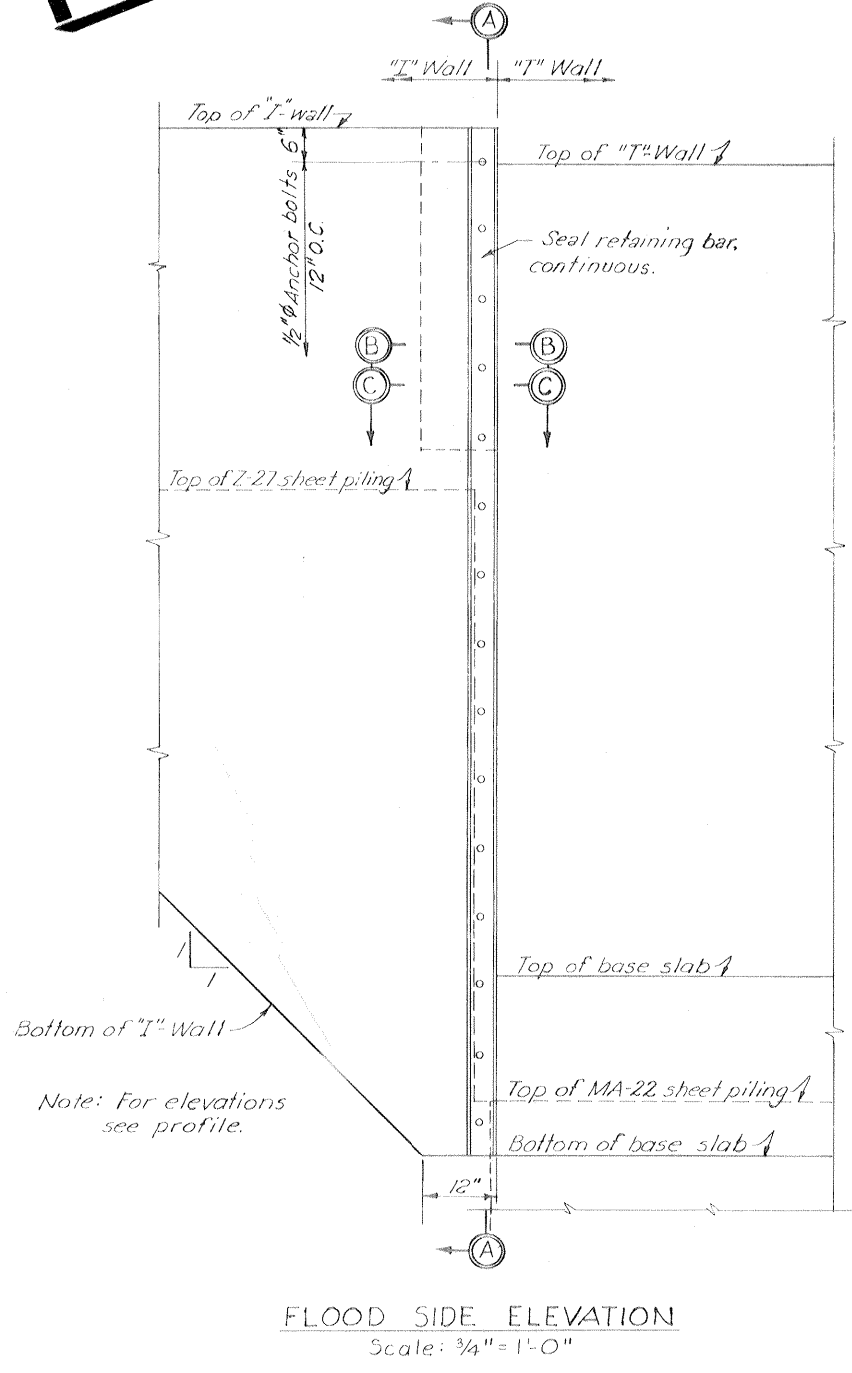
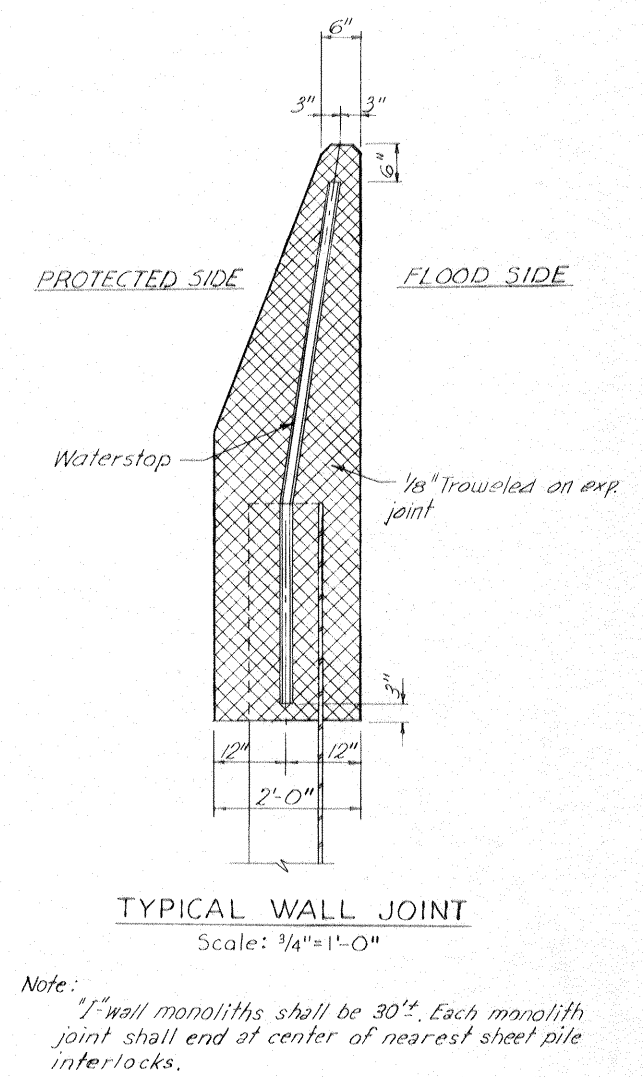
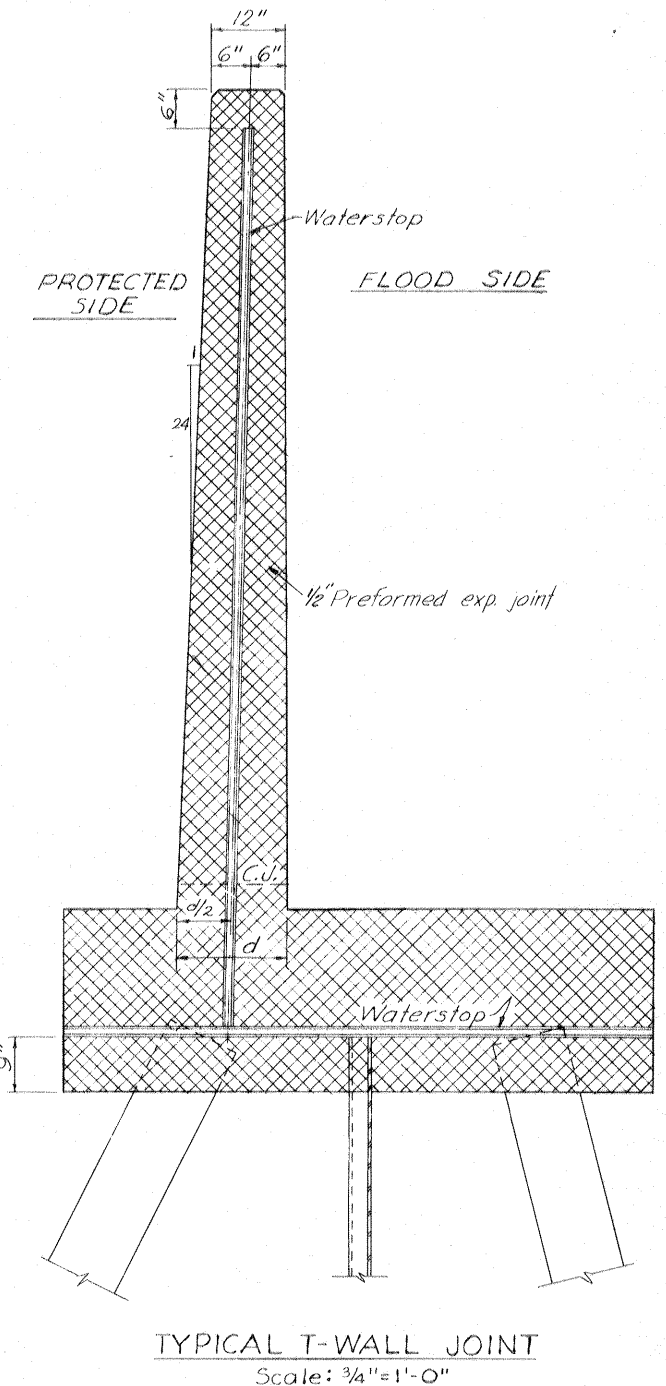
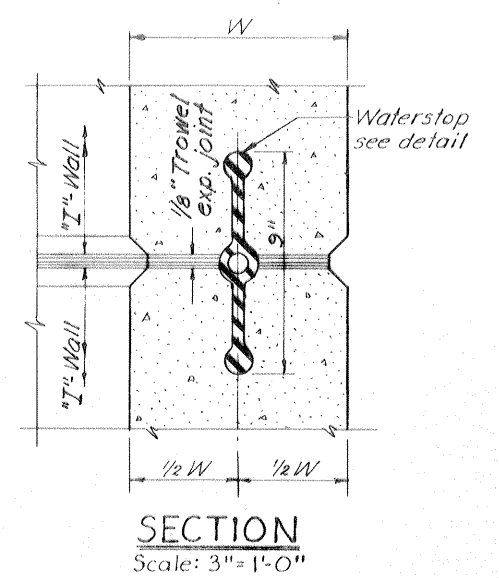
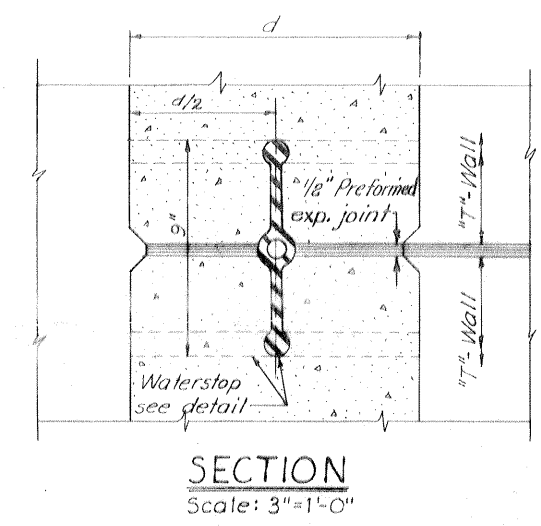
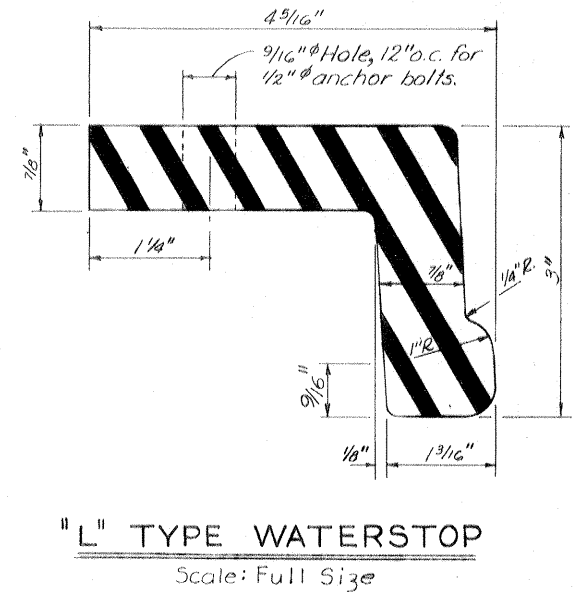
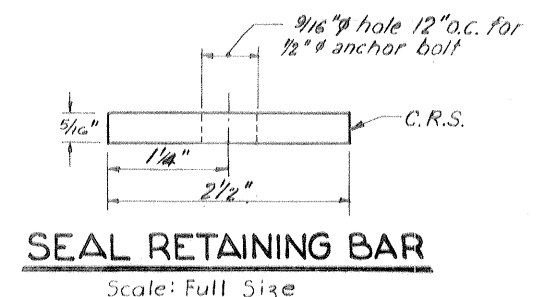
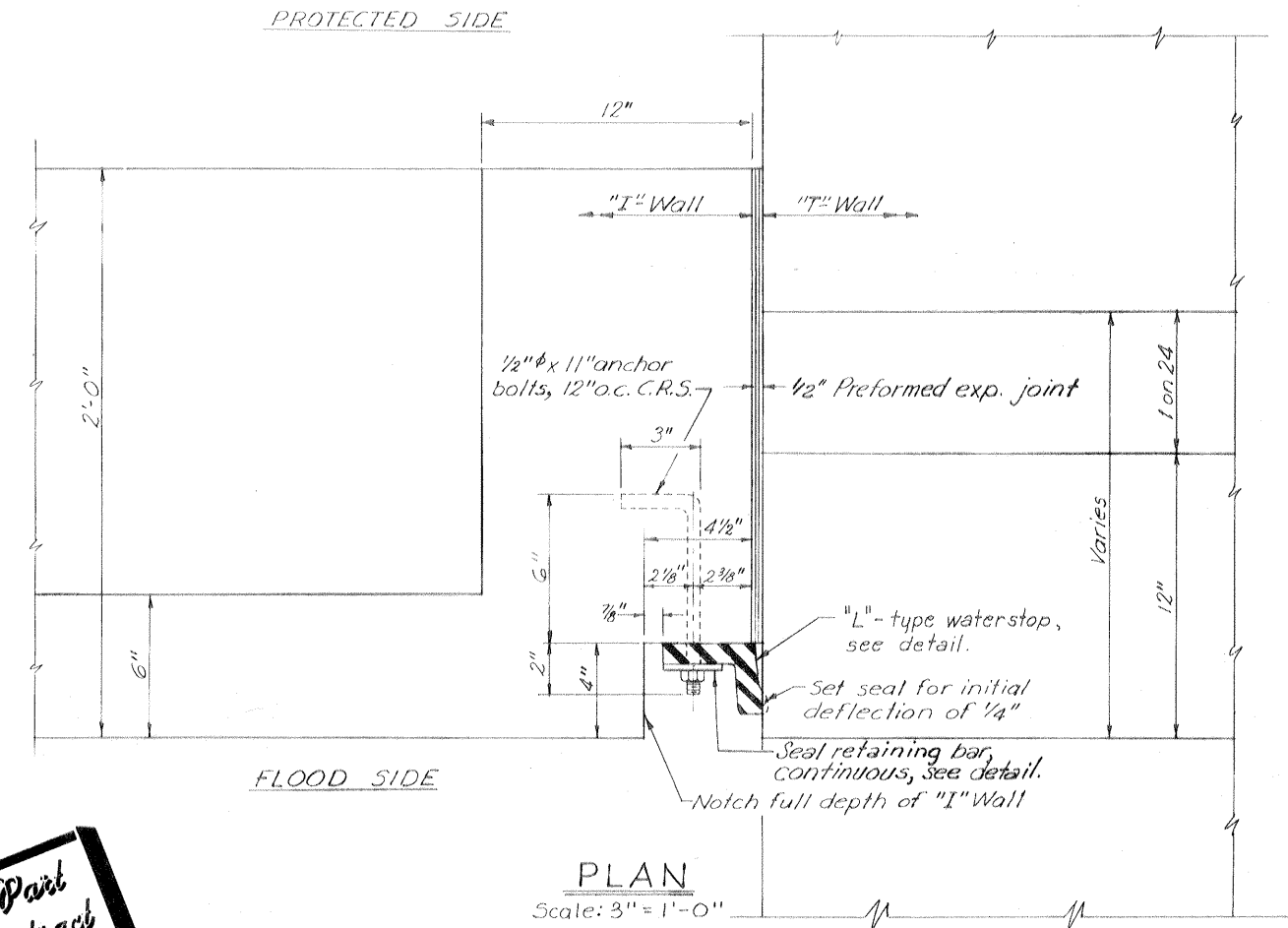
REVISION	DATE	DESCRIPTION	BY
4-8-70		Revised Concrete Pile Length requirements, Amend #1	

DESIGNED:	DRAWN:	CHECKED:	CODE IDENT NO.	SIZE	FILE NO.
E.J.M.	J.J.P.	D.A.M.			

H-4-24822

DATE: MARCH 1970 SCALE: SHOWN SPEC. NO. DACW29-70-B-0137 DWG. NO. 14 OF 51

Safety is a Part of Your Contract



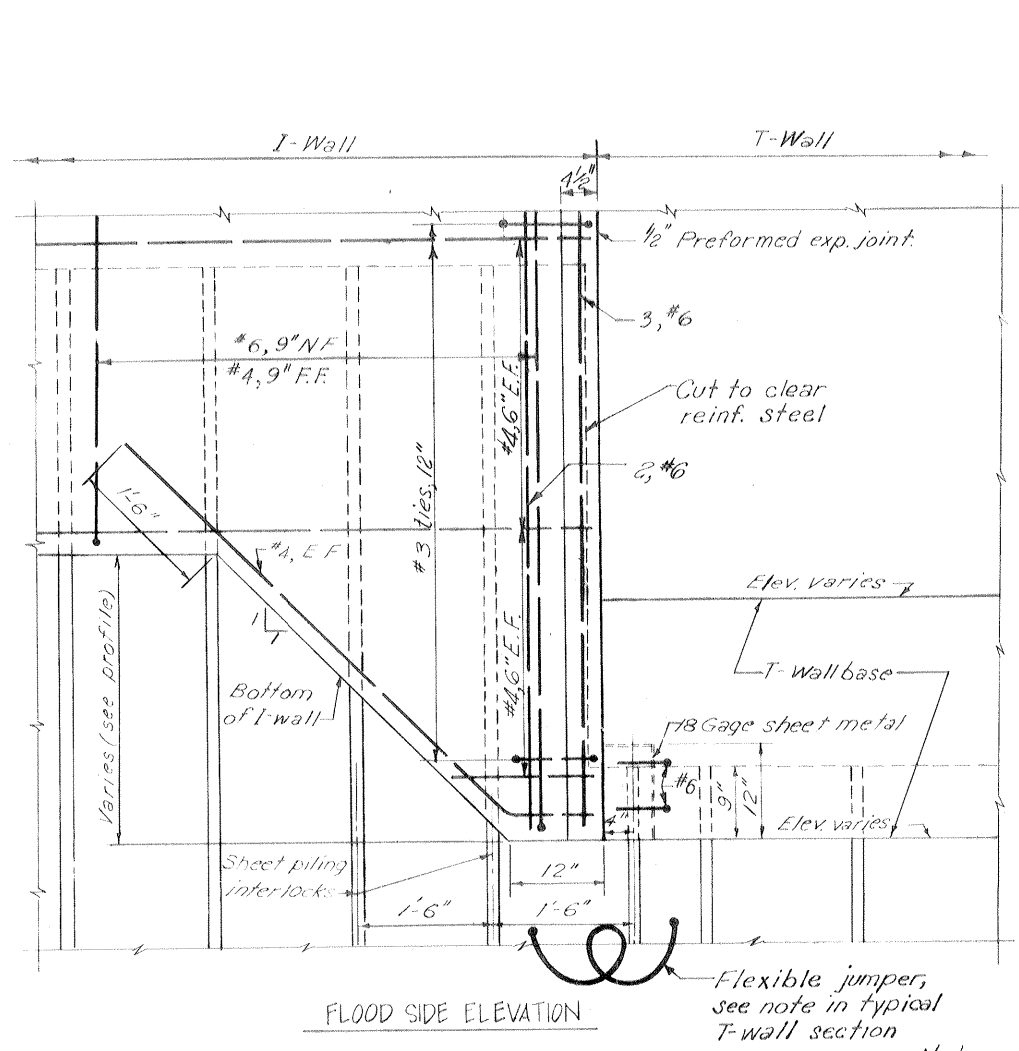
TYPICAL WATERSTOP JOINTS

Note: For general notes, see dwg. 2

TYPICAL JOINT BETWEEN I-WALL AND T-WALL

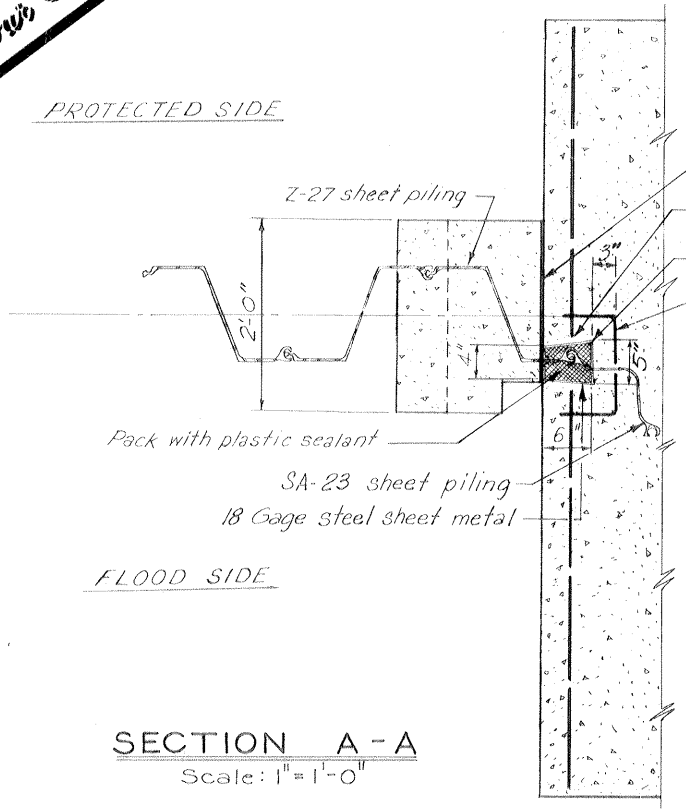
TYPICAL WALL JOINTS

REVISION	DATE	DESCRIPTION	BY
DESIGNED: E.J.M.	DRAWN: C.E.M.	CHECKED: D.A.M.	
DATE: MARCH 1970			
SCALE SHOWN			
SPEC. NO. DACW29-70-B-0137			
DWG. NO. 15 OF 51			
H-4-24822			

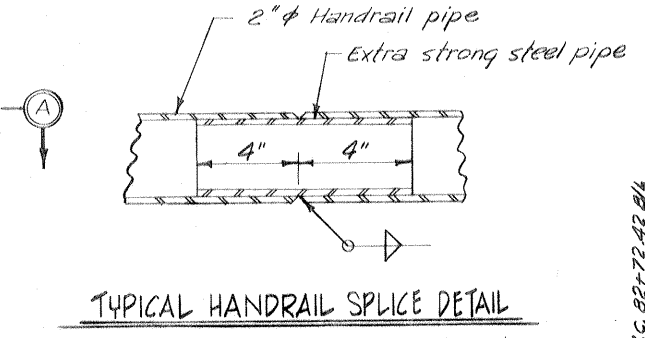


DETAIL OF TRANSITION FROM "I"-WALL TO "T"-WALL
WHERE "I"-WALL BASE IS HIGHER THAN BOTTOM OF "T"-WALL BASE
Scale: 1"=1'-0"

Safety is a Part of Your Contract

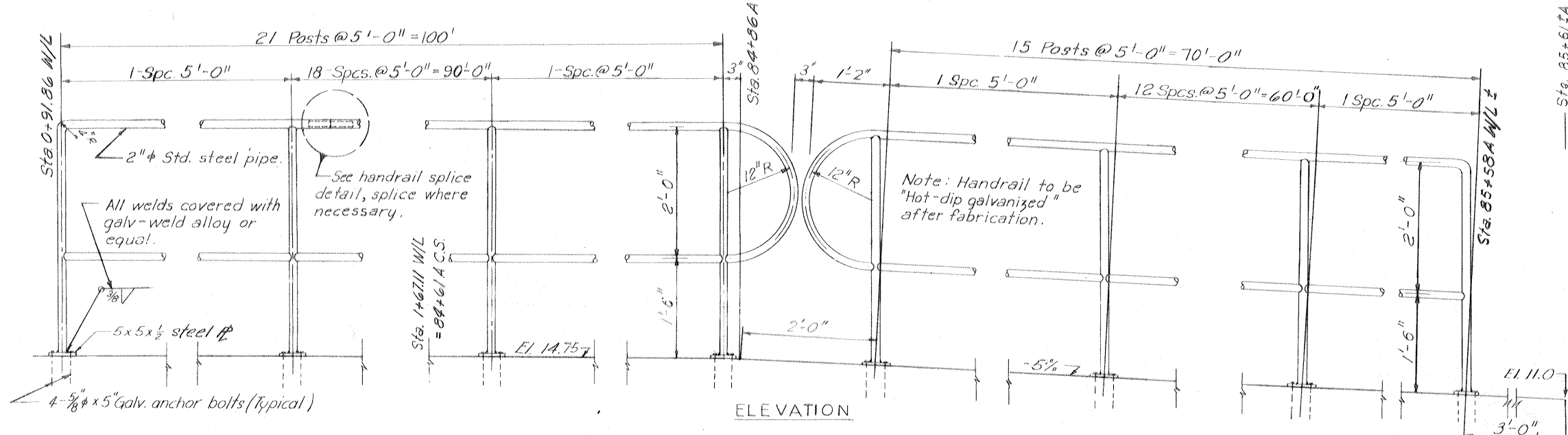


DETAIL OF SETTLEMENT GAGE
Scale: 1/2"=1'-0"

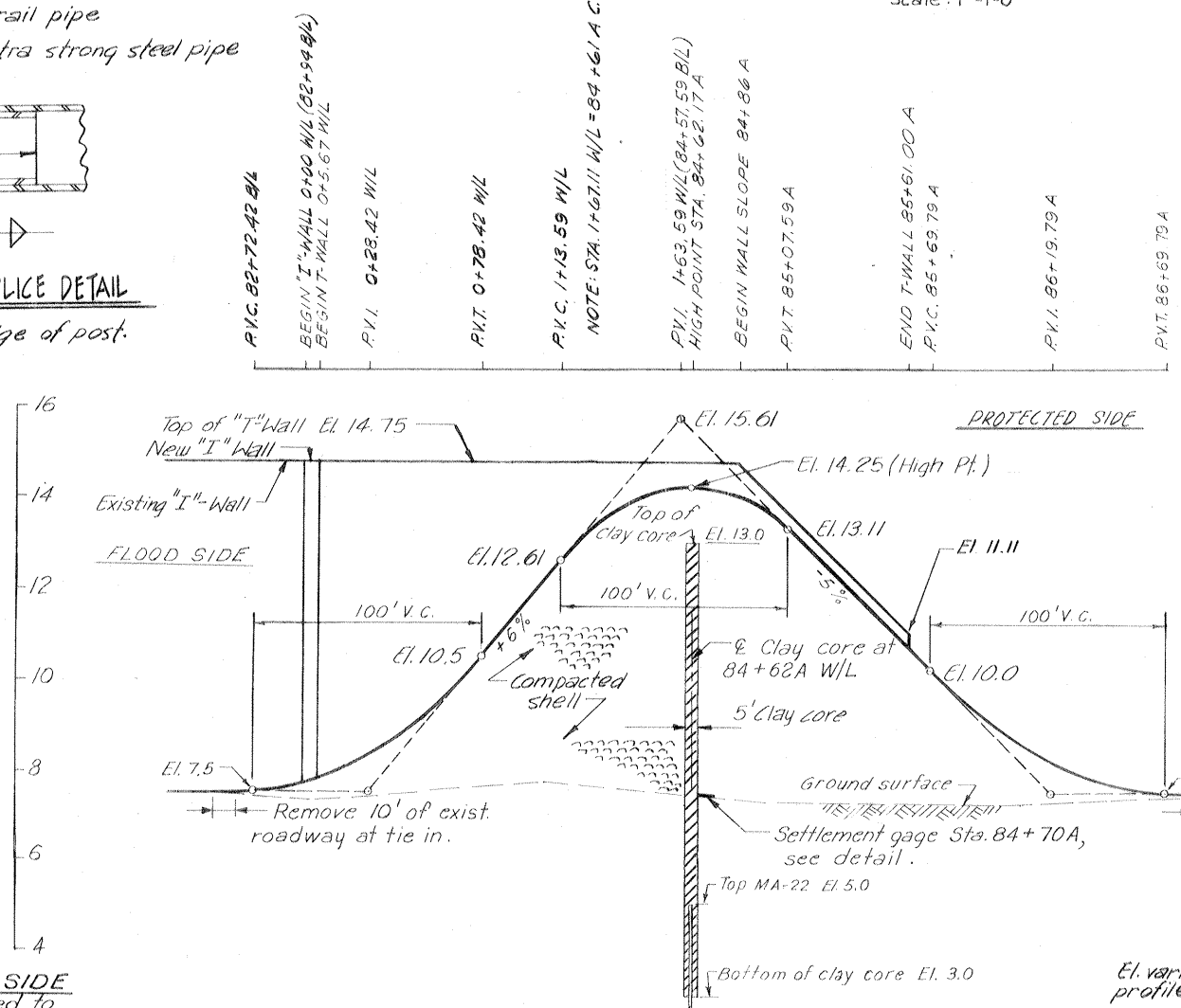


TYPICAL HANDRAIL SPICE DETAIL
Note: Splice at 6" from edge of post.

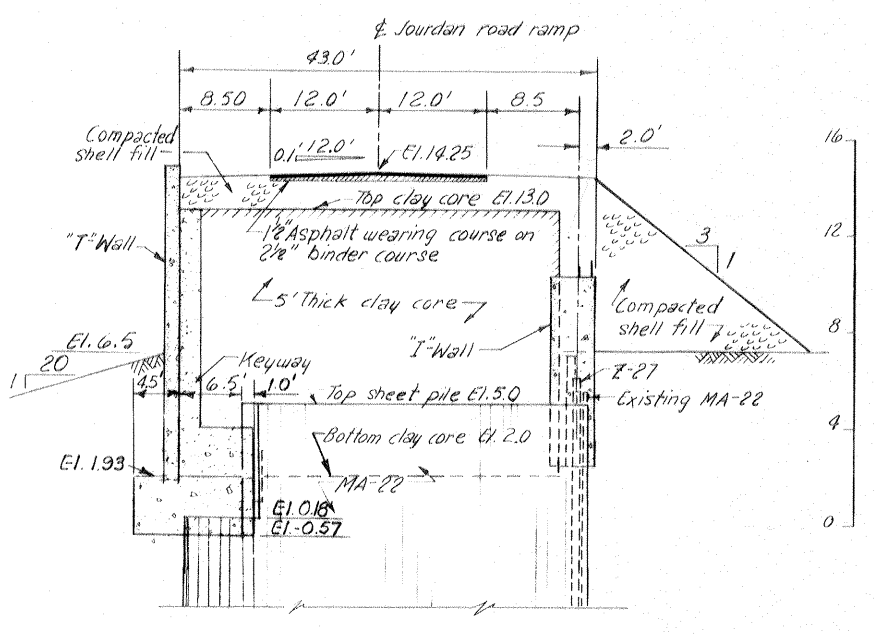
Note: At station 03.5 to 09.02 I-wall bottom at same elevation as T-wall bottom.



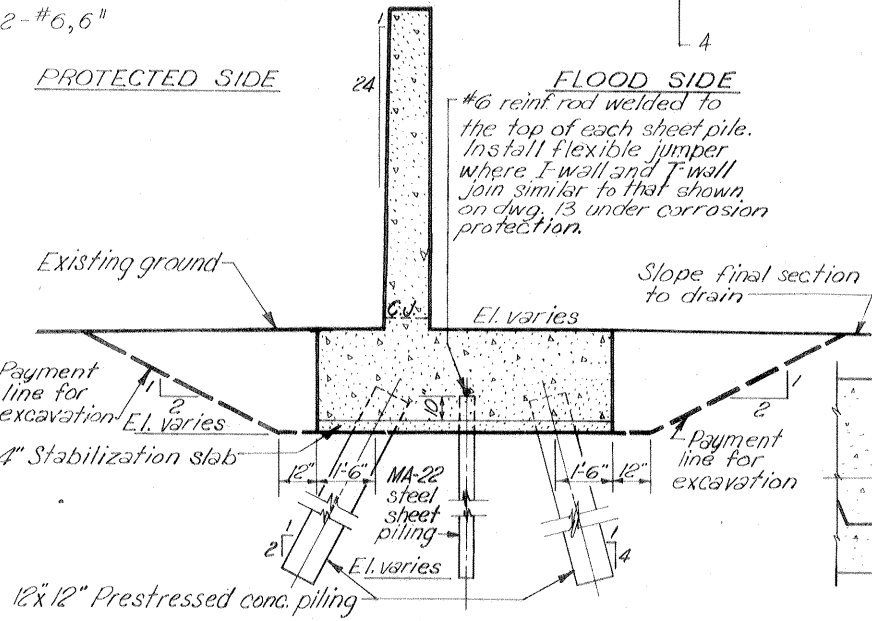
HANDRAIL ON T-WALL
Scale: 1"=1'-0"



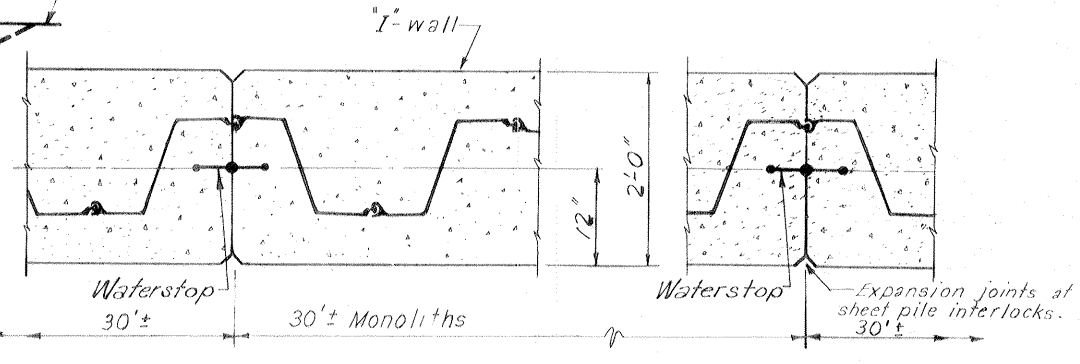
JOURDAN ROAD RAMP
PROFILE
Scales: Hor. 1"=40', Vert. 1"=2'



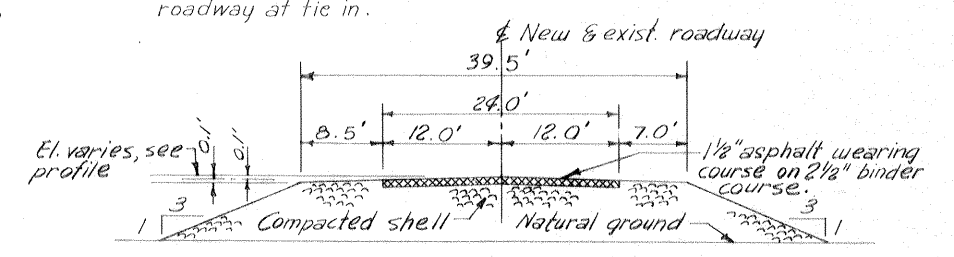
CROSS SECTION AT JOURDAN ROAD RAMP
Scale: Hor. 1"=10', Vert. 1"=4'



TYPICAL T-WALL SECTION
Scale: 3/8"=1'-0"



TYPICAL MONOLITH AT SHEET PILE INTERLOCKS
Scale: 1"=1'-0"

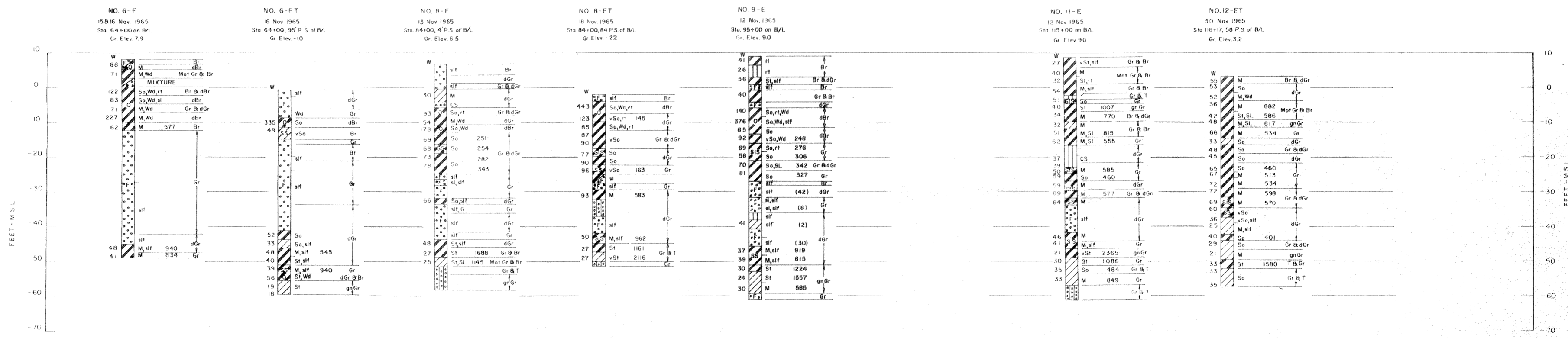


JOURDAN ROAD RAMP
TYPICAL CROSS SECTION
Scale: Hor. 1"=10', Vert. 1"=4'

Note:
For general notes see dug 2
For handrail location in plan, see dug 4
For Jourdan road ramp in plan, see dug 4
All holes cut in steel sheet piling for reinf. shall not exceed 2" phi.
Hot dip galvanize handrail after fabrication.

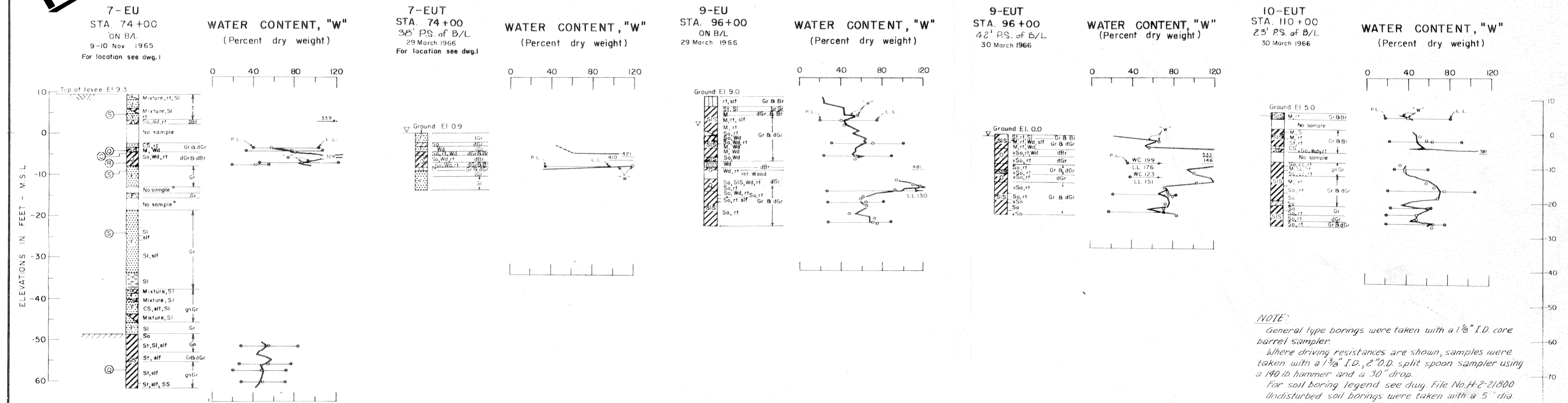
TYPICAL WALL JOINTS
HANDRAIL AND RAMP PROFILE

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
E.J.M.	E.J.C.	D.A.M.	H-4-24822
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137 DWG. NO. 16 OF 51



GENERAL TYPE BORINGS
Vertical Scale: 1" = 12'

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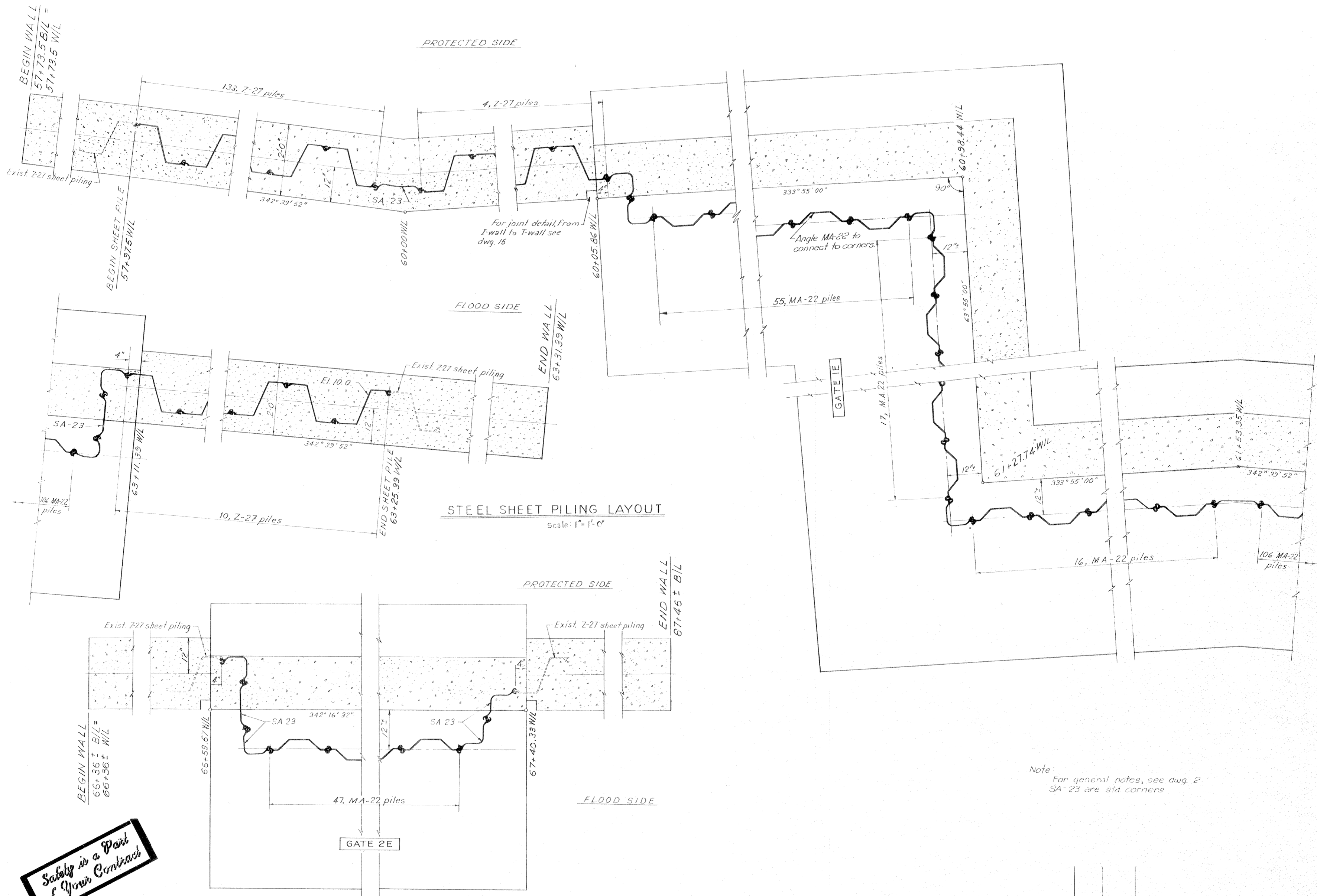
UNDISTURBED BORINGS
Vertical Scale: 1" = 10'

NOTE:
General type borings were taken with a 1 1/8" I.D. core barrel sampler.
Where driving resistances are shown, samples were taken with a 1 3/8" I.D., 2" O.D. split spoon sampler using a 140 lb hammer and a 30" drop.
For soil boring legend see dwg. File No. H-2-21800
Undisturbed soil borings were taken with a 5" dia. steel tube piston type sampler.

DESIGNED	DRAWN	CHECKED	CODE IDENT NO.	SIZE	FILE NO.
K.A.C.	A.M.	W.H.S. E.B.K.			H-4-24822
DATE MARCH 1970		SCALE SHOWN	SPEC NO DACW88-70-B-0137	DWG NO. 17 OF 51	

BORINGS

IHNC, EAST LEVEE - DWYER ROAD TO U.S. HWY. 90



PROTECTED SIDE

FLOOD SIDE

PROTECTED SIDE

FLOOD SIDE

STEEL SHEET PILING LAYOUT

Scale: 1" = 1'-0"

STEEL SHEET PILING LAYOUT - GATE 2E

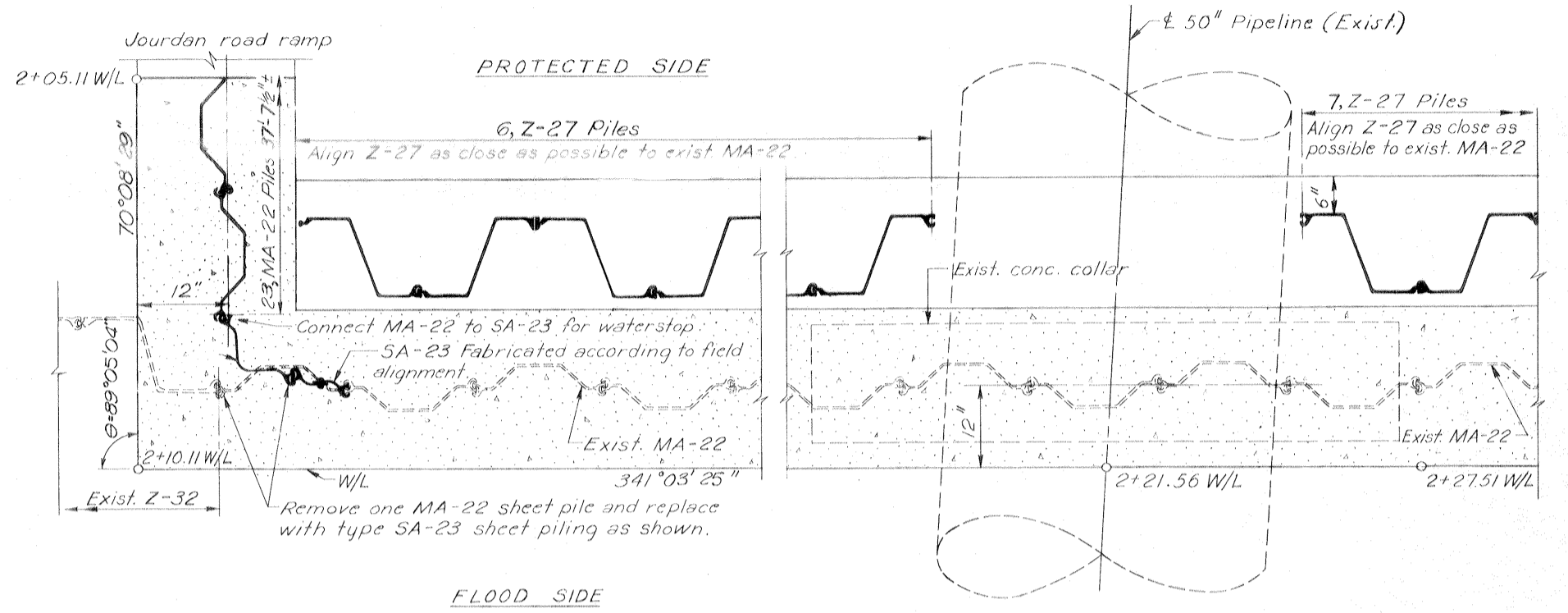
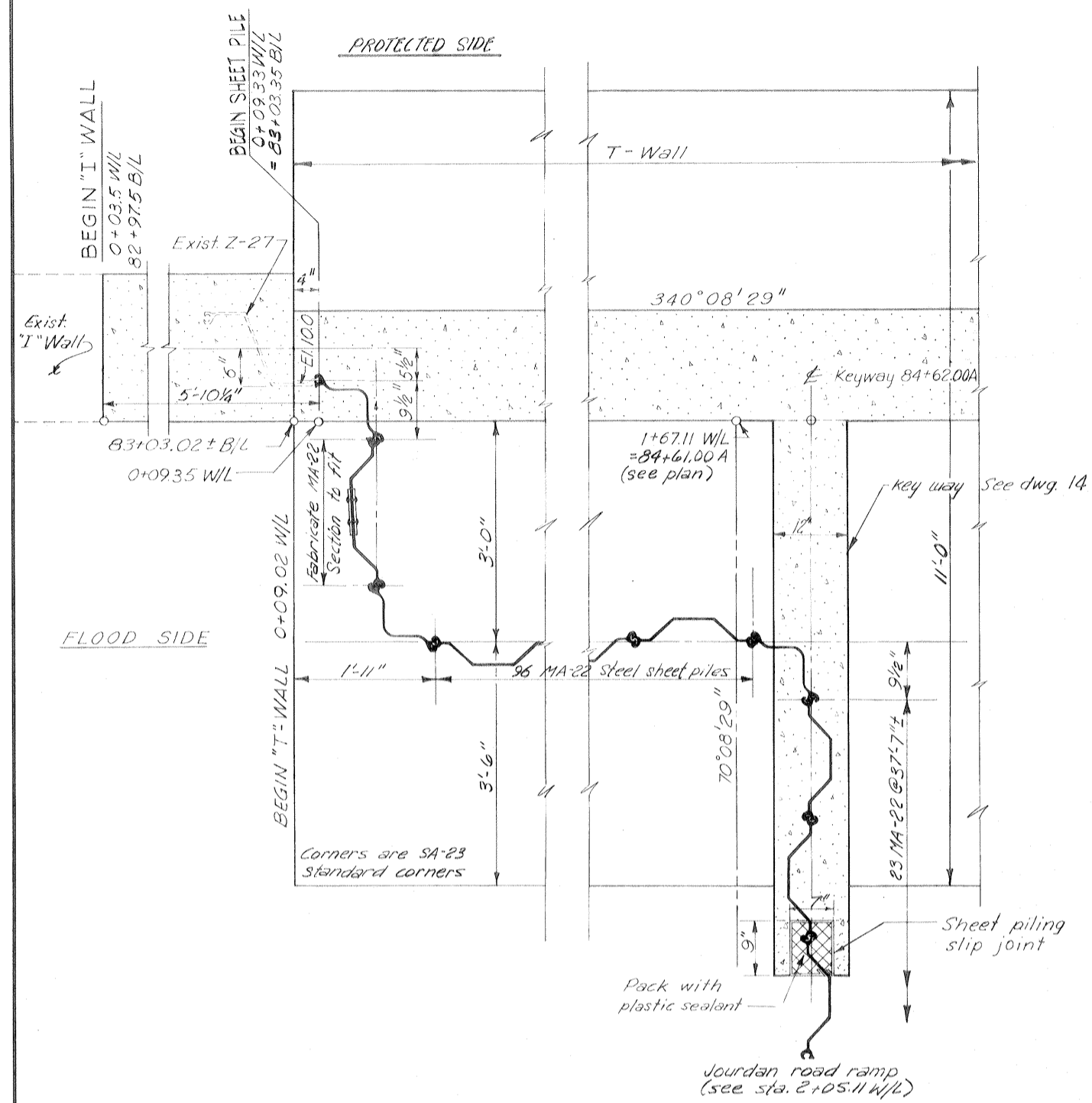
Scale: 1" = 1'-0"

Note:
For general notes, see dwg. 2
SA-23 are std. corners

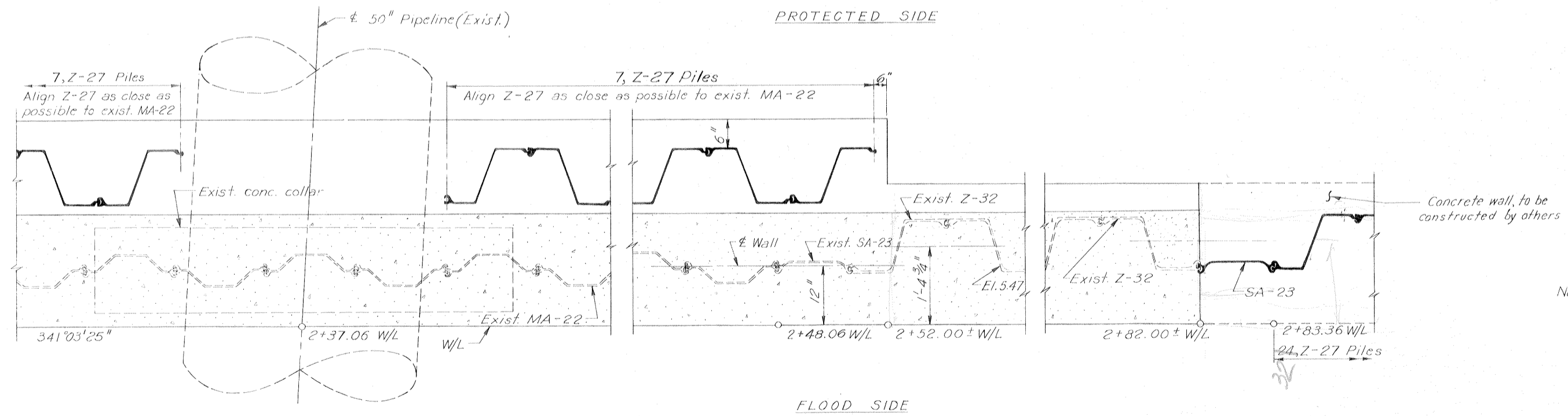
**Safety is a Part
of Your Contract**

REVISION	DATE	CHECKED	CODE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: E.J.C.	CHECKED: E.J.M.	CODE: JENT NO.	SIZE: FILE NO.	
				H-4-24822	
DATE: MARCH 1970		SCALE: SHOWN		SPEC. NO. DACW29-70-B-0137	DWG. NO. 18 OF 51

STEEL SHEET PILING LAYOUT



Safety is a Part of Your Contract

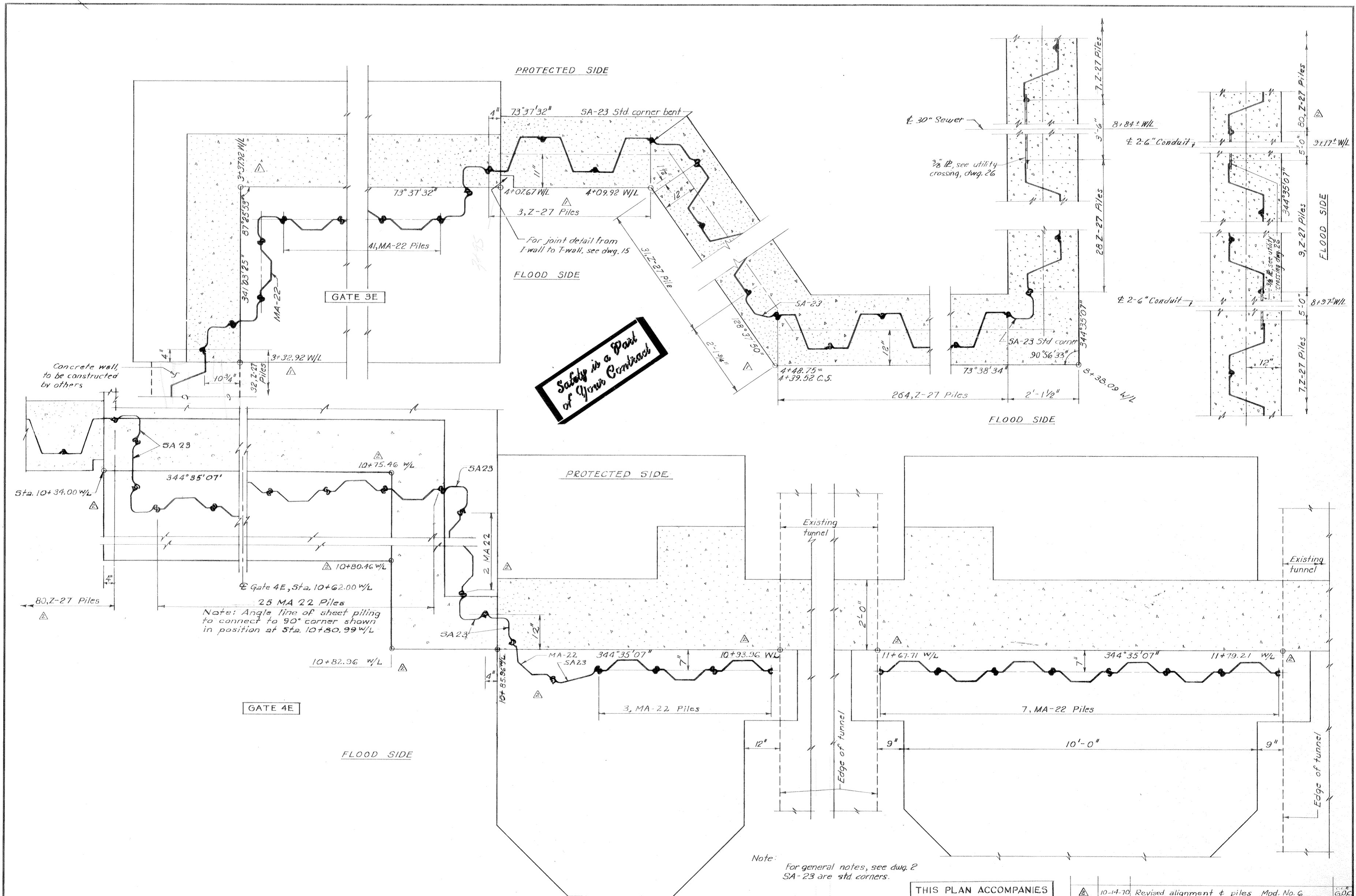


Notes:
For general notes, see dwg. 2
SA-23 are std. corners.

STEEL SHEET PILING LAYOUT
Scale: 1" = 1'-0"

STEEL SHEET PILING LAYOUT

REVISION	DATE	CHECKED	CODE IDENT NO.	DESCRIPTION	BY
DESIGNED		DRAWN		FILE NO.	
E.J.M.	J.J.P.	H.L.B.		H-4-24822	
DATE: MARCH 1970		SCALE: SHOWN		SPEC. NO. DACW29-70-B-0137 DWG. NO. 19 OF 51	



Safety is a Part of Your Contract

STEEL SHEET PILING LAYOUT

Scale: 1" = 1'-0"

THIS PLAN ACCOMPANIES MODIFICATION P006 TO CONTRACT NO. DACW29-70-C-0206

Note: For general notes, see dwg. 2 SA-23 are std corners.

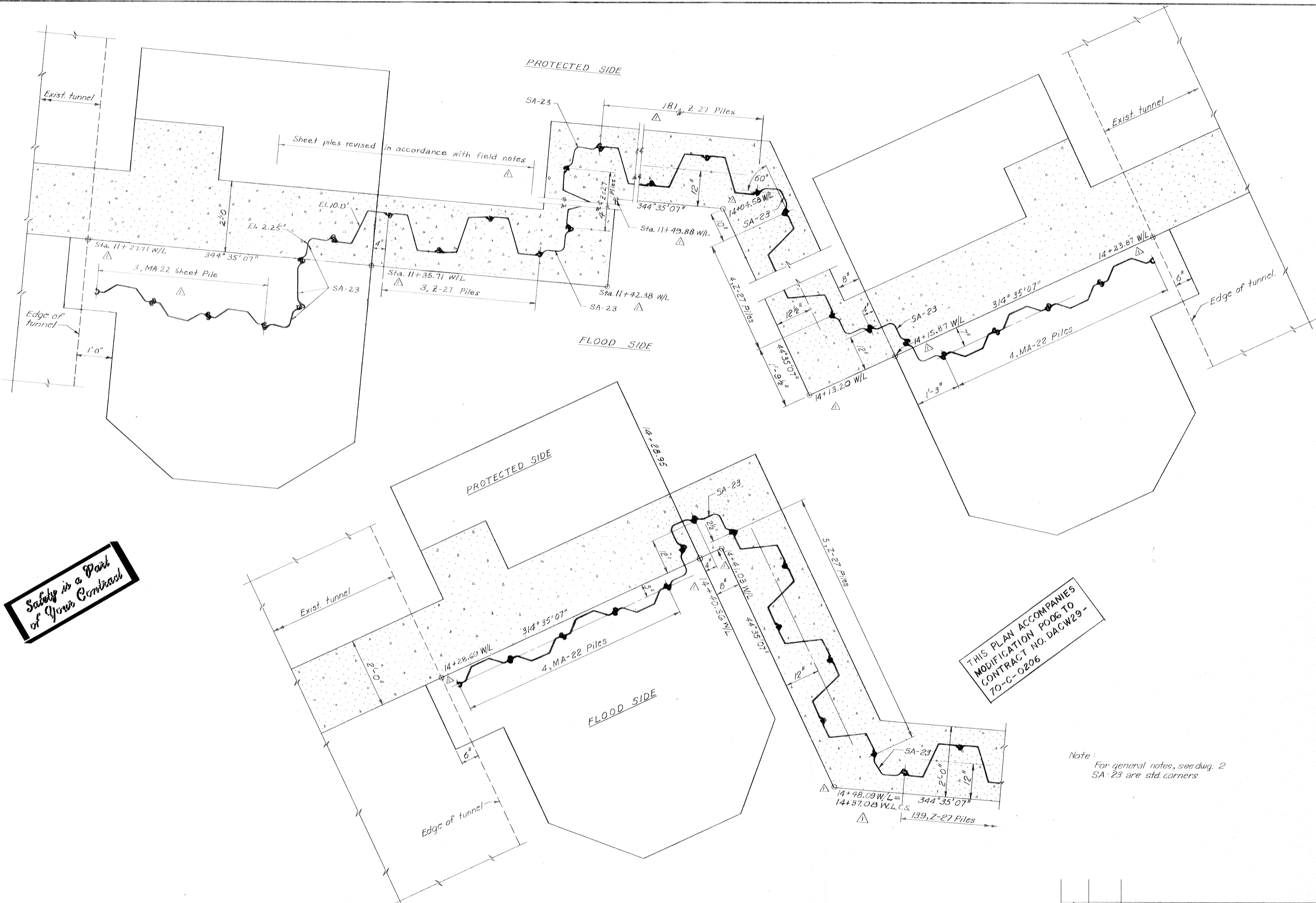
REVISION	DATE	DESCRIPTION	BY
△	10-14-70	Revised alignment & piles Mod. No. 6	G.O.C.
△	8-10-70	Revised stations in floodwall, Mod. No. 4	E.H.A.

DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.
E.J.M.	J.J.P.	H.L.B.			H-4-24822

DATE: MARCH 1970 SCALE: SHOWN SPEC. NO. DACW29-70-B-0137 DWG. NO. 20 OF 51

STEEL SHEET PILING LAYOUT

Safety is a Part of Your Contract



THIS PLAN ACCOMPANIES
MODIFICATION P006 TO
CONTRACT NO. DACW29-

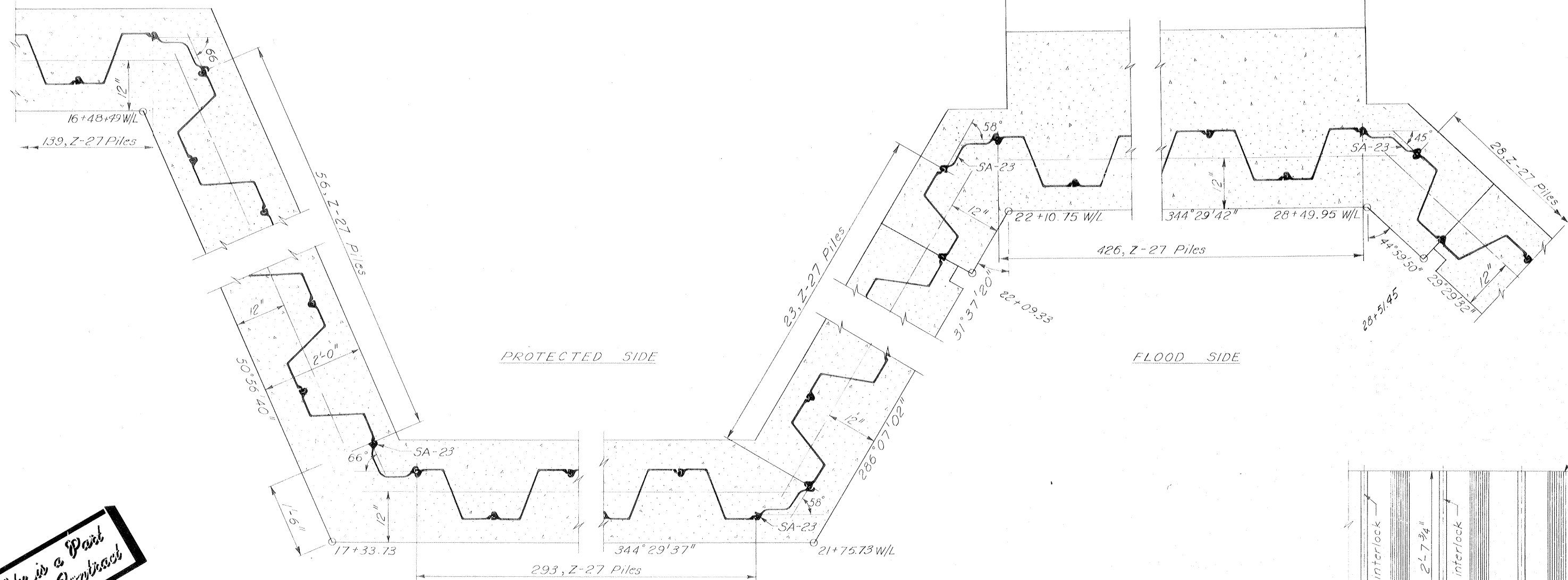
Note:
For general notes, see aug. 2
SA-23 are std. corners

STEEL SHEET PILING LAYOUT
Scale: 1" = 1'-0"

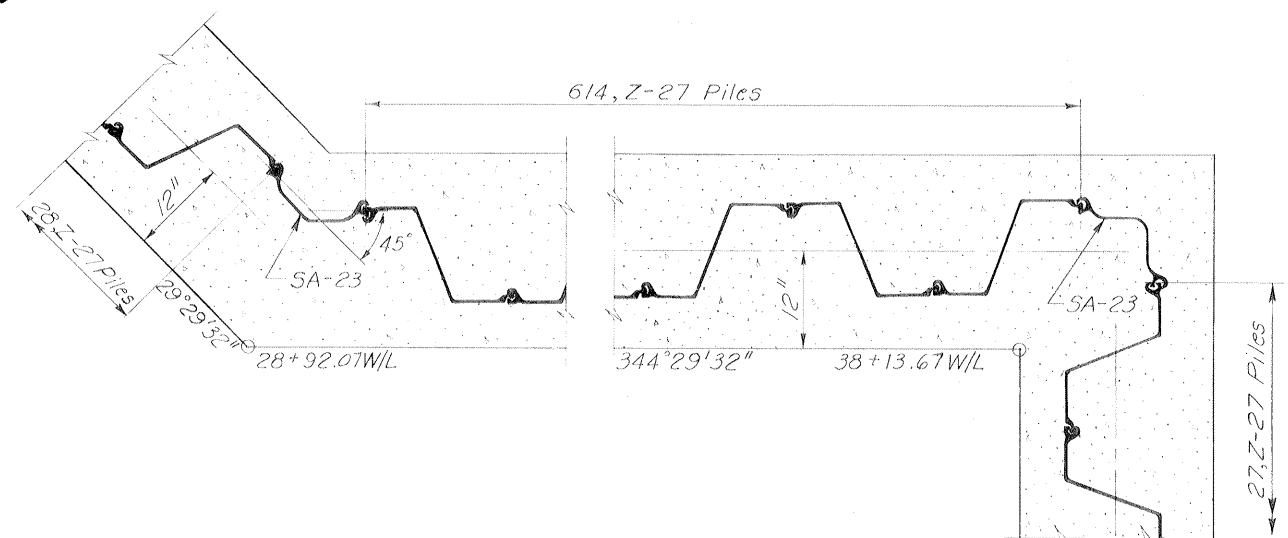
STEEL SHEET PILING LAYOUT

REVISION	DATE	DESCRIPTION	BY
△	10-14-70	Revised wall alignment & piles Mod. No. 6	EJM
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
E.J.M.	J.J.P.	H.L.B.	H-4-24822
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137 DWG. NO. 21 OF 51

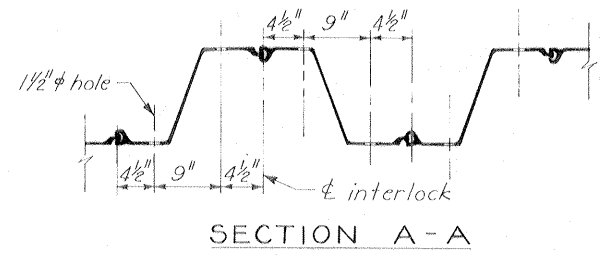
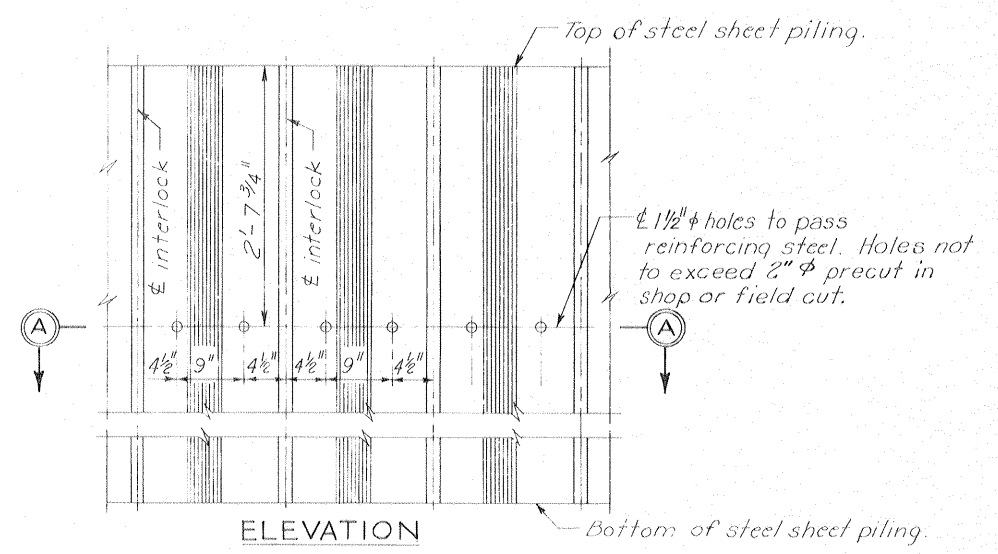
Owens Illinois Glass Co.



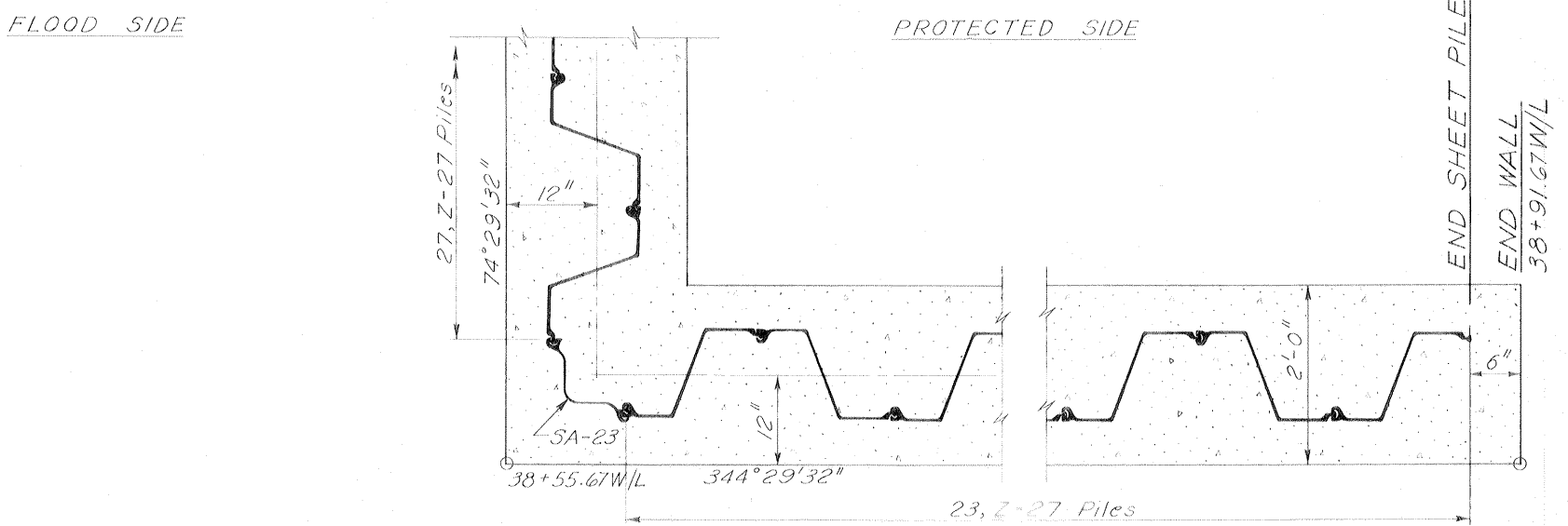
Safety is a Part of Your Contract



STEEL SHEET PILING LAYOUT
Scale: 1" = 1'-0"



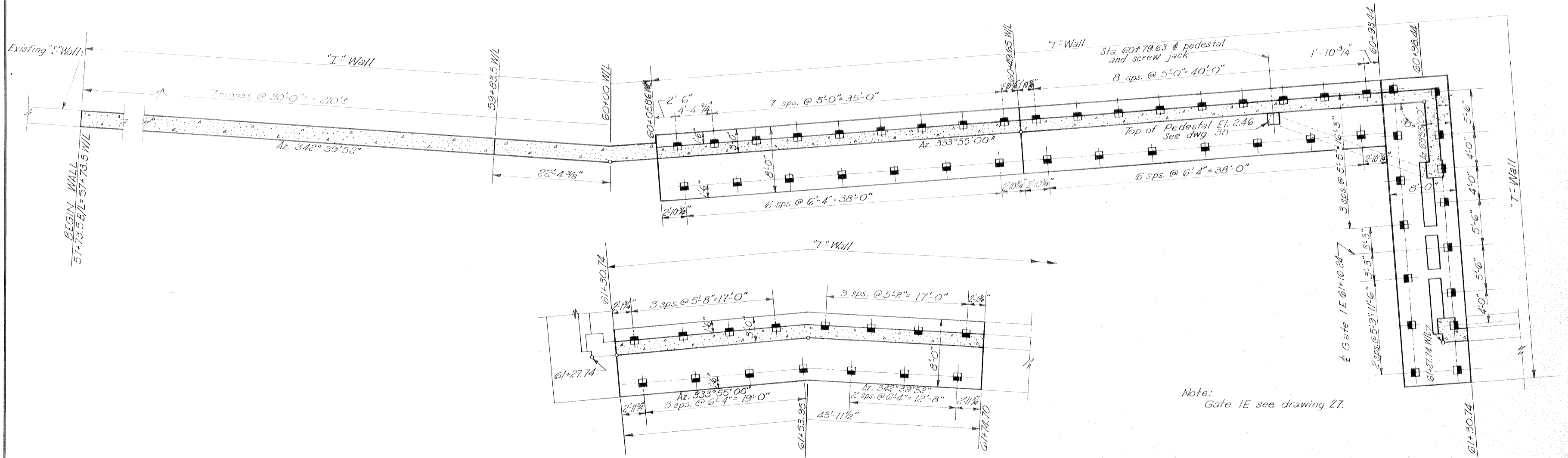
DETAIL OF PRECUT HOLES IN Z-27 SHEET PILING
Scale: 1" = 1'-0"



Notes:
For general notes, see dwg 2
SA-23 are sld. corners.

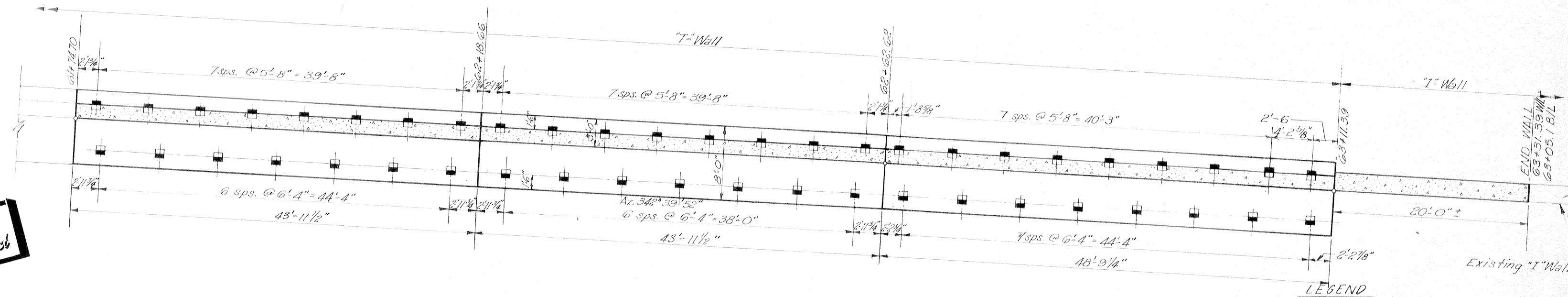
STEEL SHEET PILING LAYOUT

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
E. J. M.	J. J. P.	H. L. B.	H-4-24822
DATE: MARCH 1970		SCALE SHOWN: SPEC. NO. DACW29-70-B-0137	DWG. NO. 22 OF 51





Note:
Gate 1E see drawing 27.

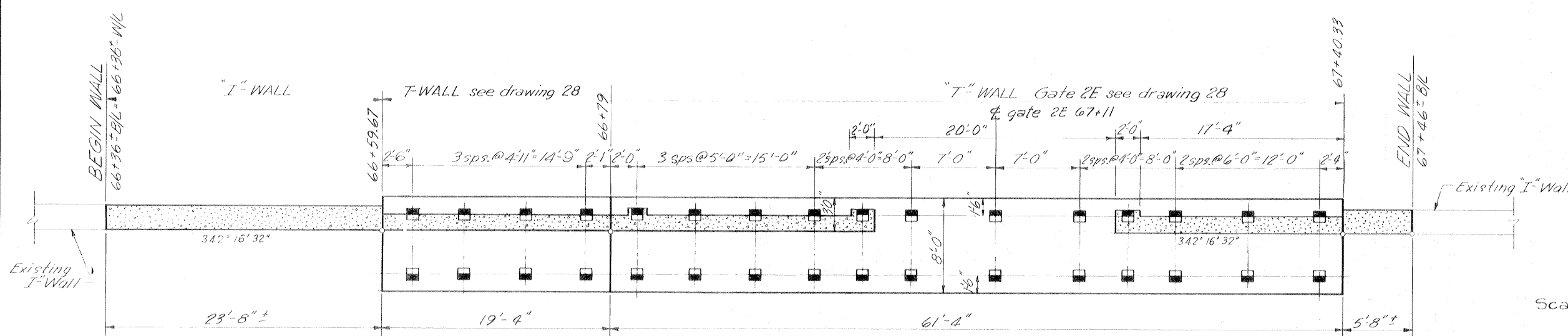
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of Your Contract**



LEGEND

 12"x12" prestressed concrete battered piles. Shaded side indicates direction of batter.
 14 BPH 73 battered piles. Shaded side indicates direction of batter.

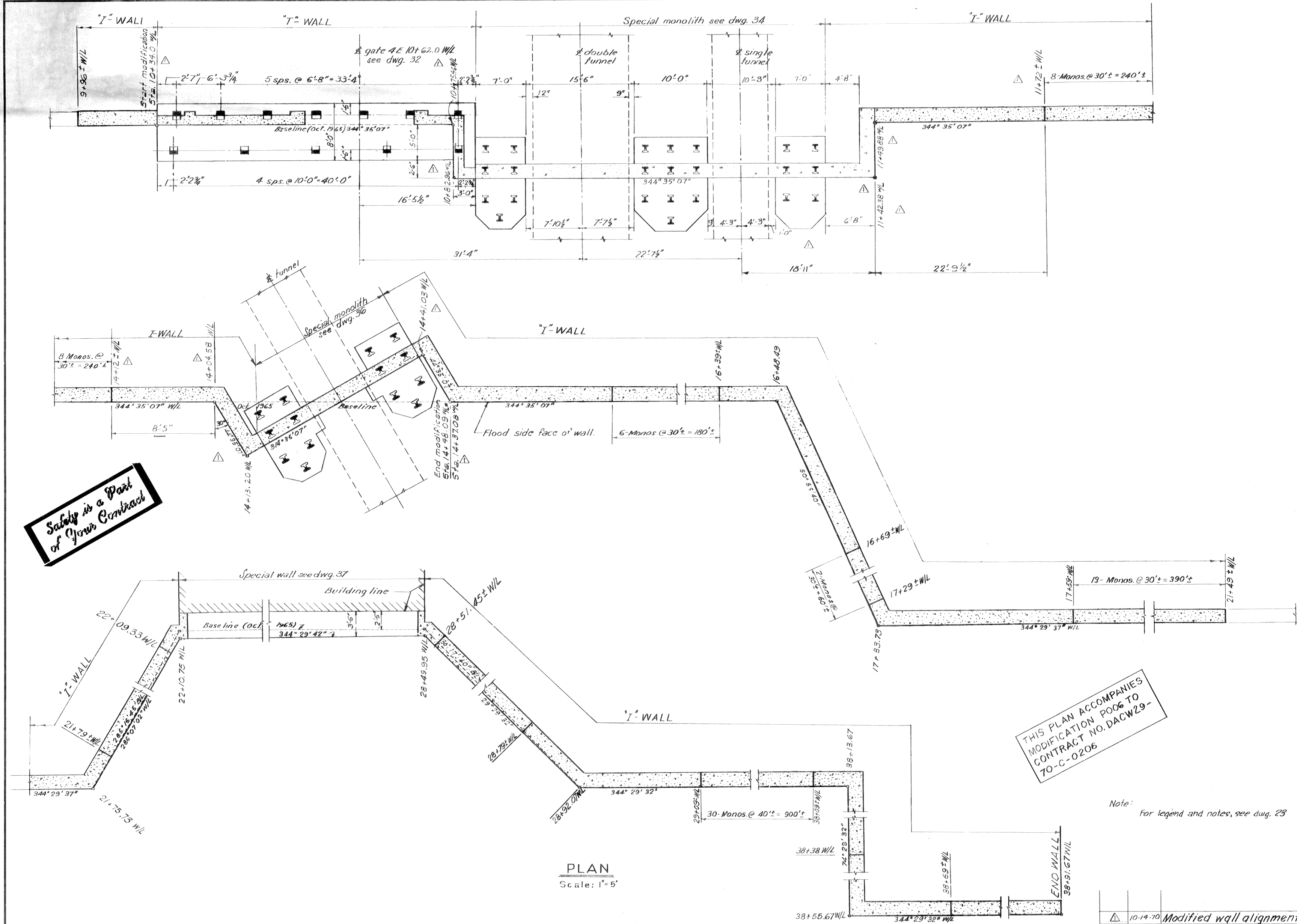
Notes:
 For general notes see dwg. 2.
 For detail of 12"x12" prestressed concrete piles see dwg. 4B.
 All piles on flood side of wall to be battered 1 on 3 and all piles on protected side of wall to be battered 1 on 2 except as otherwise indicated.
 For details of 14 BPH 73 piles see dwg. 34.



Scale: 1" = 5'

PILING AND MONOLITH LAYOUT

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
E.J.M.	J.E.B.	D.A.M.	
H-4-24822			
DATE: MARCH 1970		SCALE SHOWN	SPEC. NO. DACW29-70-B-0137 DWG. NO. 23 OF 51



Safety is a Part of Your Contract

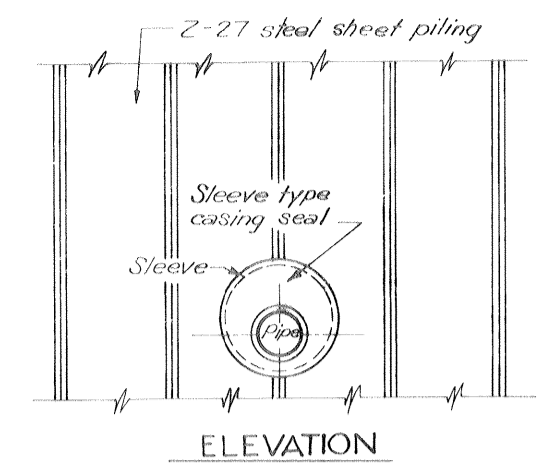
THIS PLAN ACCOMPANIES
MODIFICATION PO06 TO
CONTRACT NO. DACW29-
70-C-0206

Note: For legend and notes, see dwg. 23

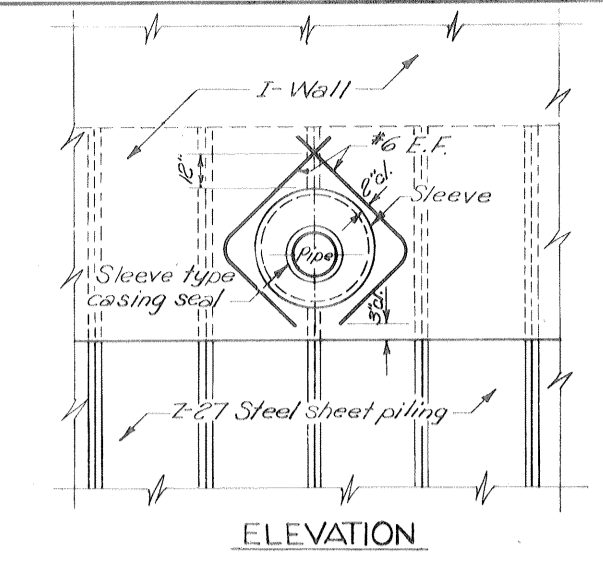
PLAN
Scale: 1" = 5'

PILING AND MONOLITH LAYOUT

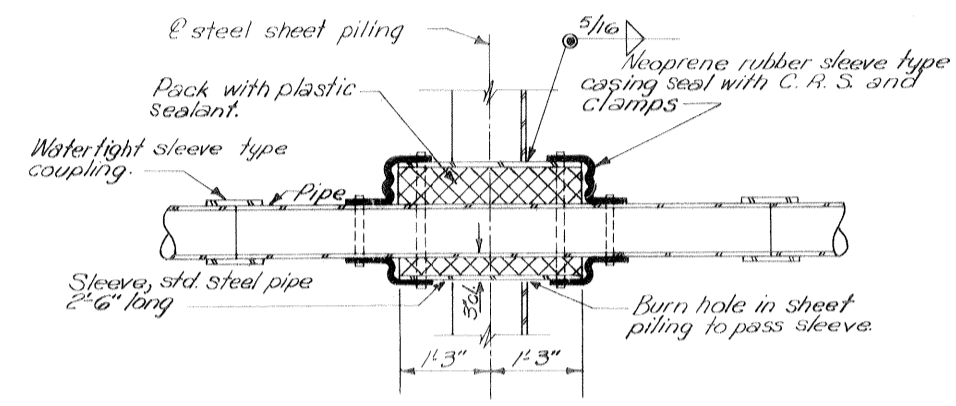
REVISION	DATE	DESCRIPTION	BY
△	10-14-70	Modified wall alignment Mod. No. G	EJM
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
D.A.M.	E.J.C.	E.J.M.	H-4-24822
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW28-70-B-0137 DWG. NO. 25 OF 51



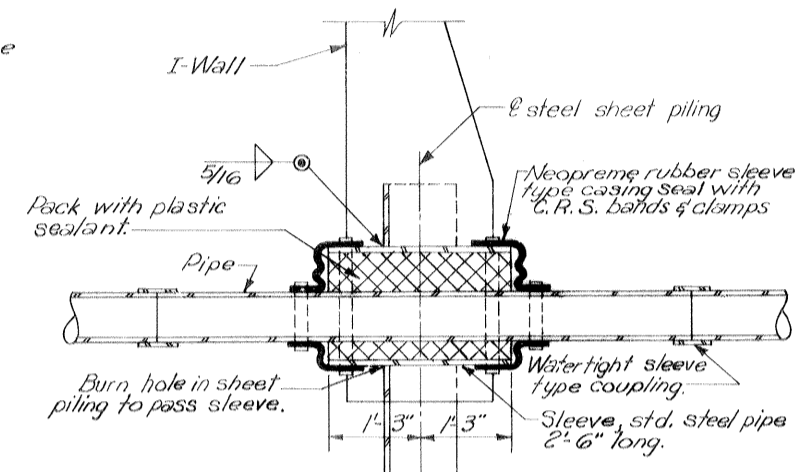
ELEVATION



ELEVATION

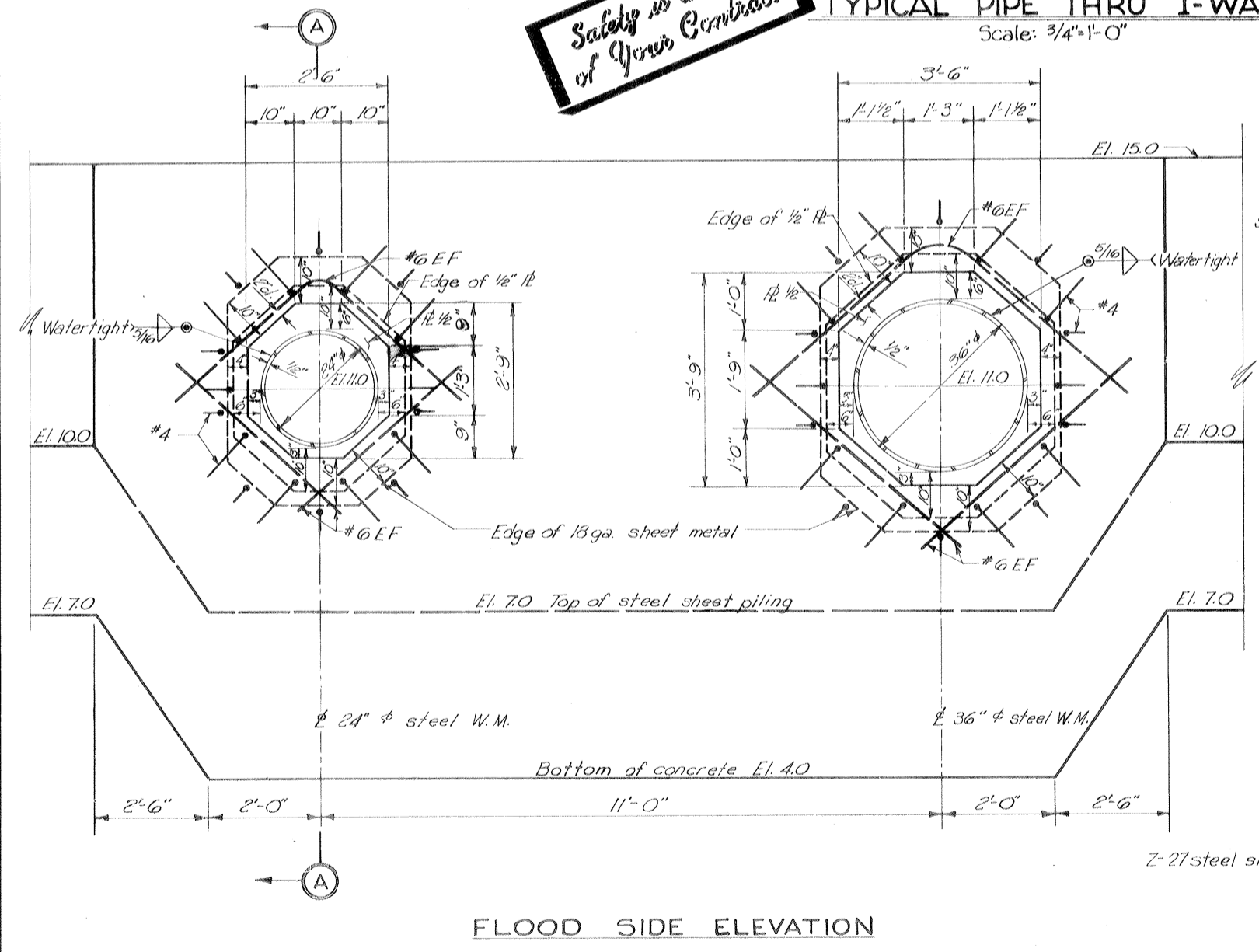


SECTION
TYPICAL PIPE THRU
STEEL SHEET PILING
Scale: 3/4" = 1'-0"

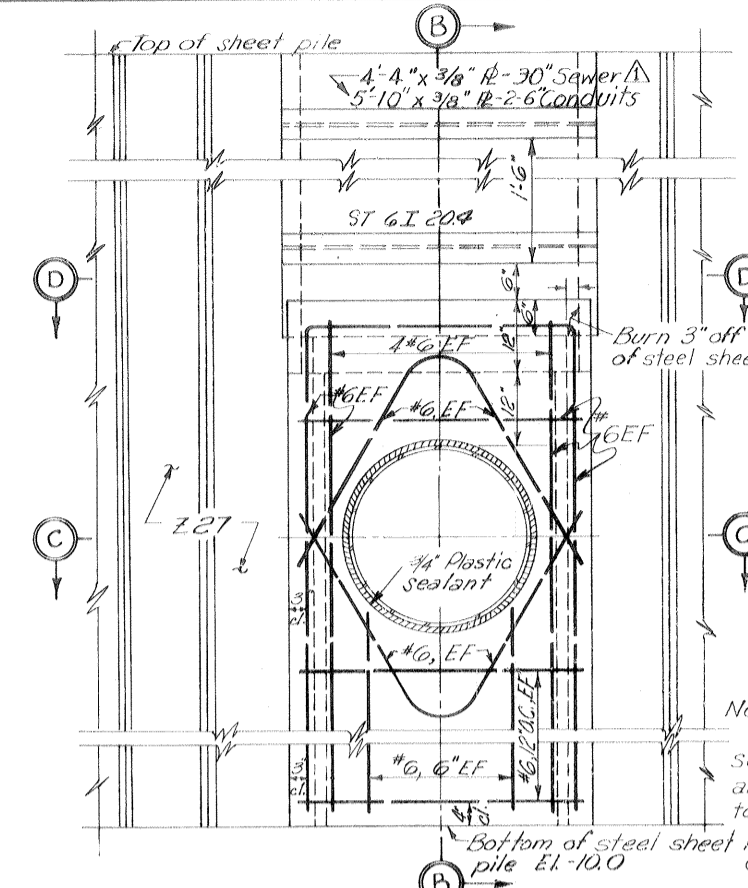


TYPICAL PIPE THRU I-WALL
Scale: 3/4" = 1'-0"

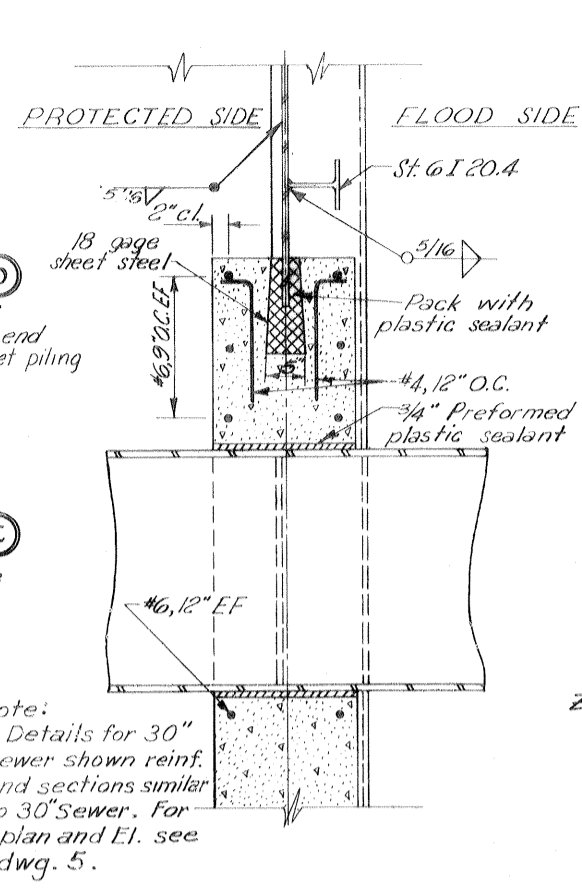
**Safety is a Part
of Your Contract**



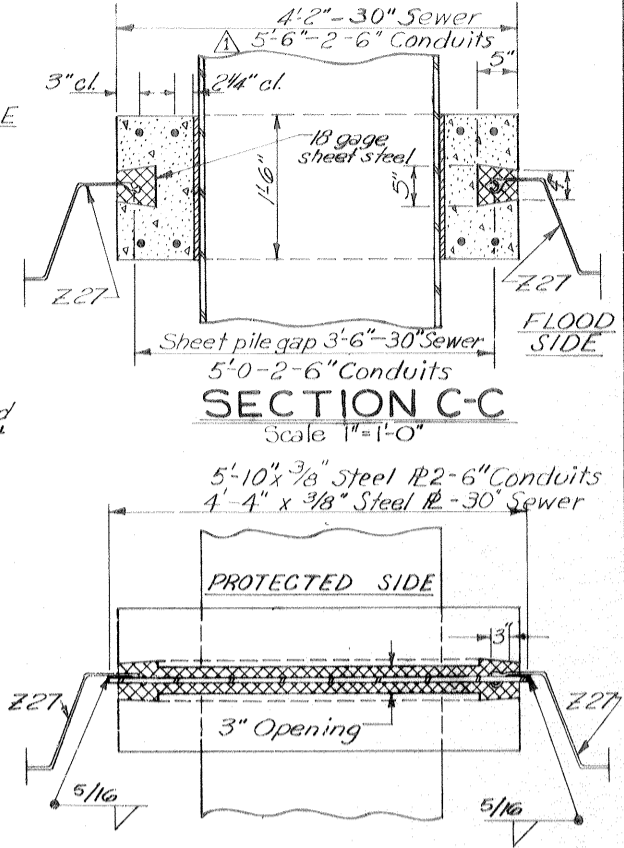
FLOOD SIDE ELEVATION
24" φ W.M. AND 36" φ W.M. THRU I-WALL
Scale 3/4" = 1'-0"



FLOOD SIDE ELEVATION
2-6" ELECTRIC CONDUITS - STA. 9+16± AND 9+37±
30" SEWER LINE STA. 9+08±
ELECTRIC CONDUITS AND SEWER
THRU STEEL SHEET PILING
Scale: 3/4" = 1'-0"

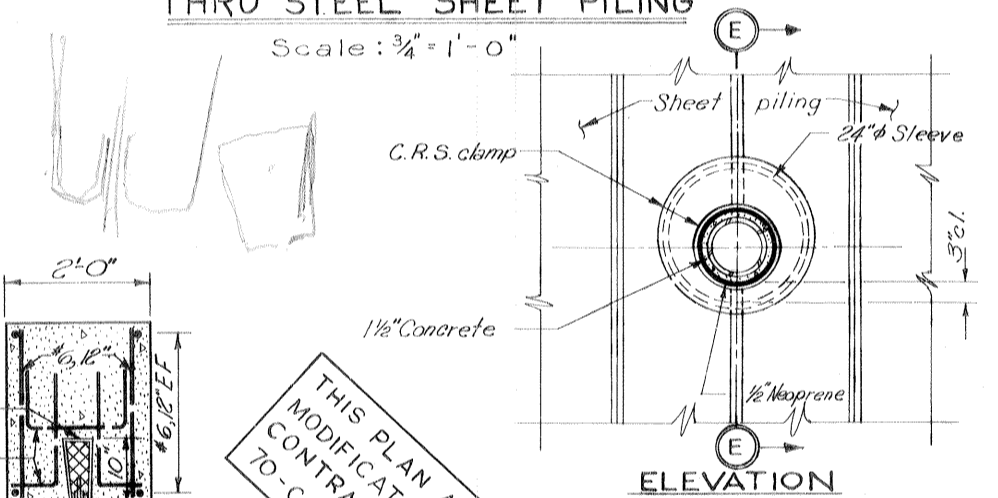


SECTION B-B
Scale 1" = 1'-0"

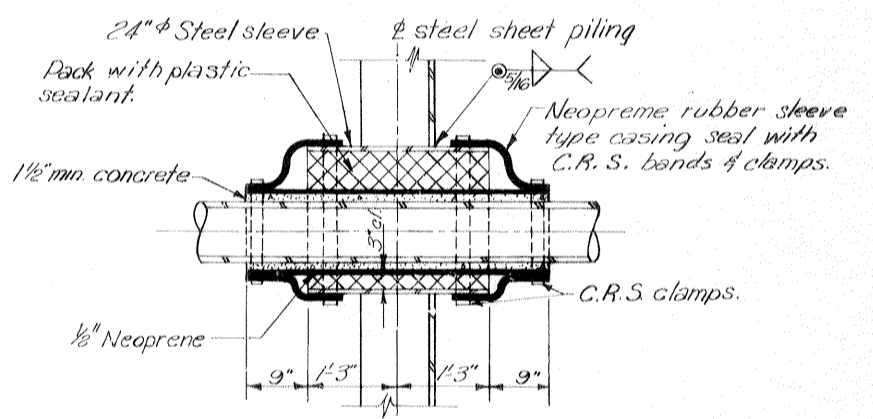


SECTION C-C
Scale 1" = 1'-0"

SECTION D-D
Scale 1" = 1'-0"

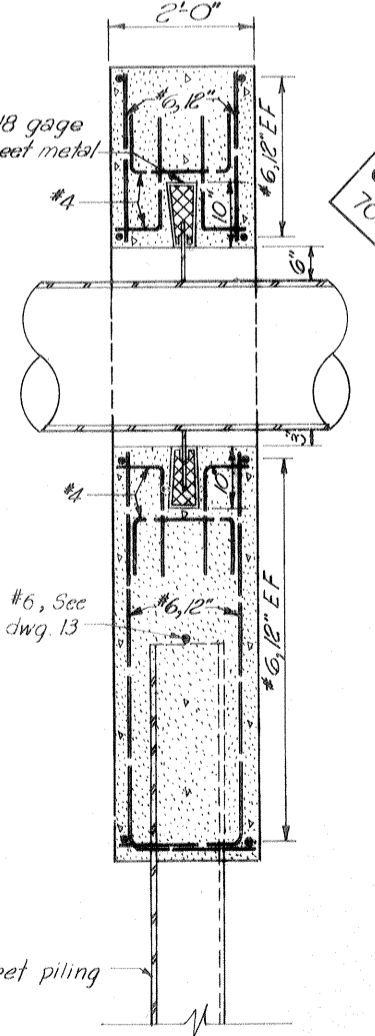


ELEVATION
10" φ H.P.G. LINE THRU STEEL SHEET PILING
Scale 3/4" = 1'-0"

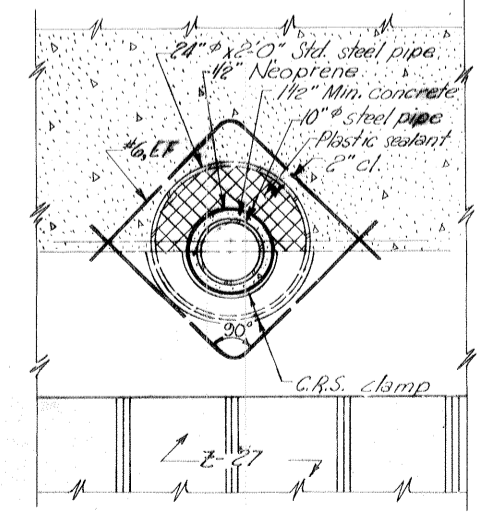


SECTION E-E

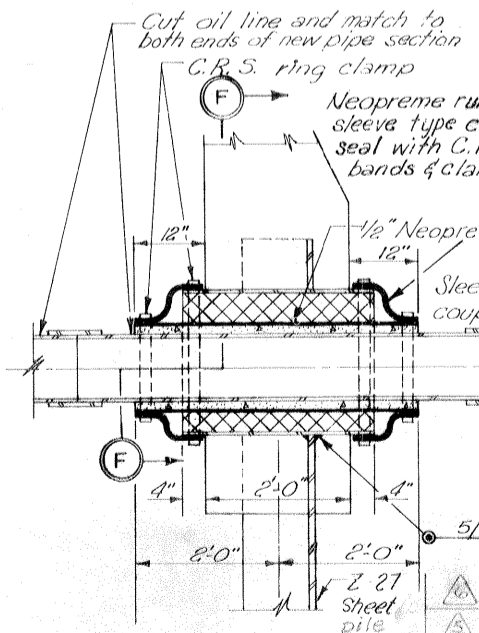
THIS PLAN ACCOMPANIES
MODIFICATION POS TO
CONTRACT NO. DACW29-
70-C-0206



SECTION A-A



ELEVATION F-F
10" φ OIL LINE THRU I-WALL
AND STEEL SHEET PILING
Scale 3/4" = 1'-0"



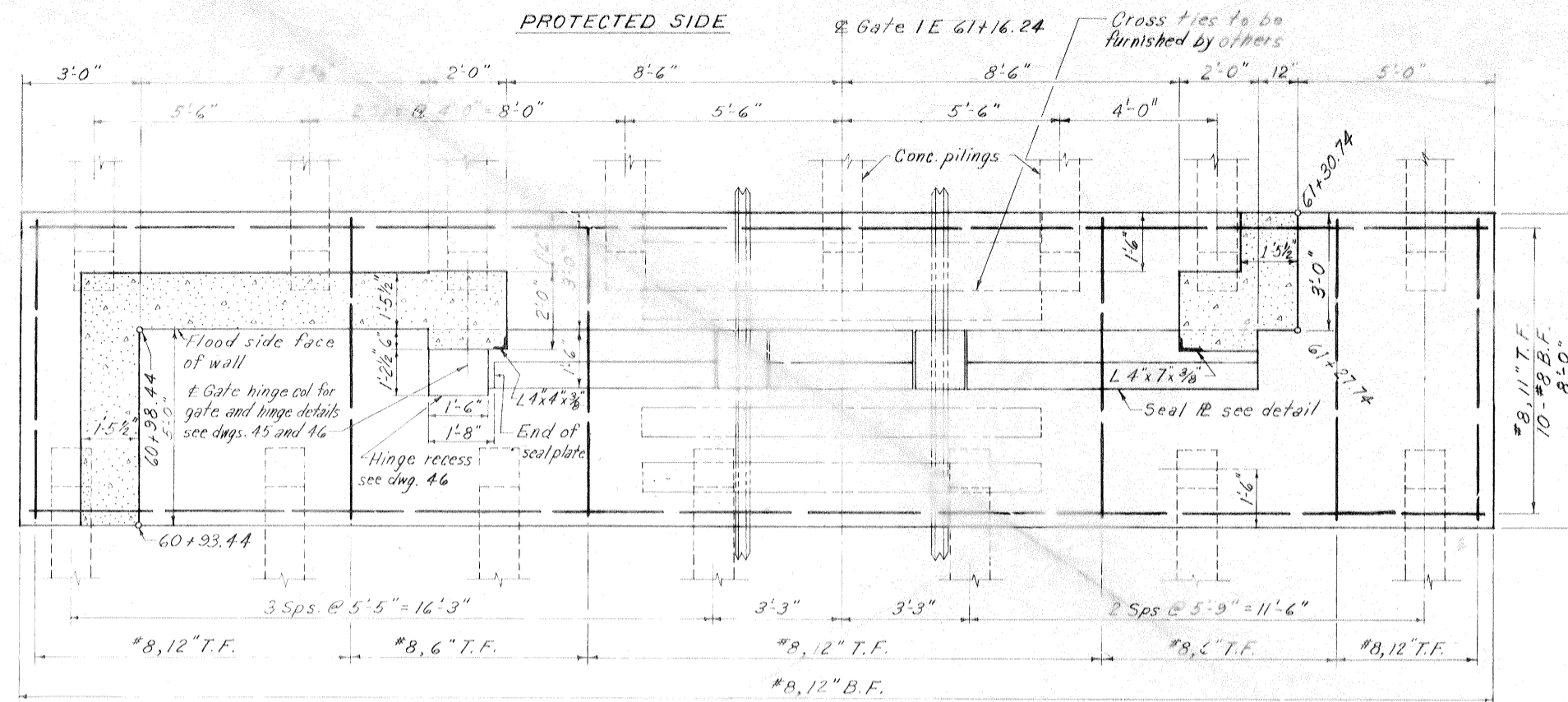
SECTION

APPROX. W/L STA.	TYPE OF UTILITY	MINIMUM SLEEVE SIZE	NOMINAL SIZE	INSIDE DIA.	OUTSIDE DIA.
3+66.32	12" Water	24"	23.250	24.000	
3+91.72	12" Sewer	24"	23.250	24.000	
3+97.77	10" Gas	20"	19.250	20.000	
9+04	4" Blowout	12"	12.000	12.750	
10+03	6" Chlorine	16"	15.250	16.000	
10+68	Elec. service see gate 4E monthlly dwg 32				
10+71	6" Water	16"	15.250	16.000	
14+70	10" Oil	20"	19.250	20.000	
14+72	8" Water	18"	17.250	18.000	
14+74	1 1/2" Air	10"	10.020	10.750	

Note:
For general notes see dwg. 2

REVISION	DATE	DESCRIPTION
11-20-71		Revised pipe tabulation Mod. #13
4/13/71		Deleted 1 1/2" air line from Tab. Table Mod #11
3 Mar. 71		Revised pipe tabulation & detail Mod #8
1-15-71		Revised pipe tabulation and sleeve table Mod #7
8-10-70		Revised pipe tabulation Mod. #4
4-8-70		Rev. Sec. "C-C" & Electric Conduits and Sewer Sec., Amend #1

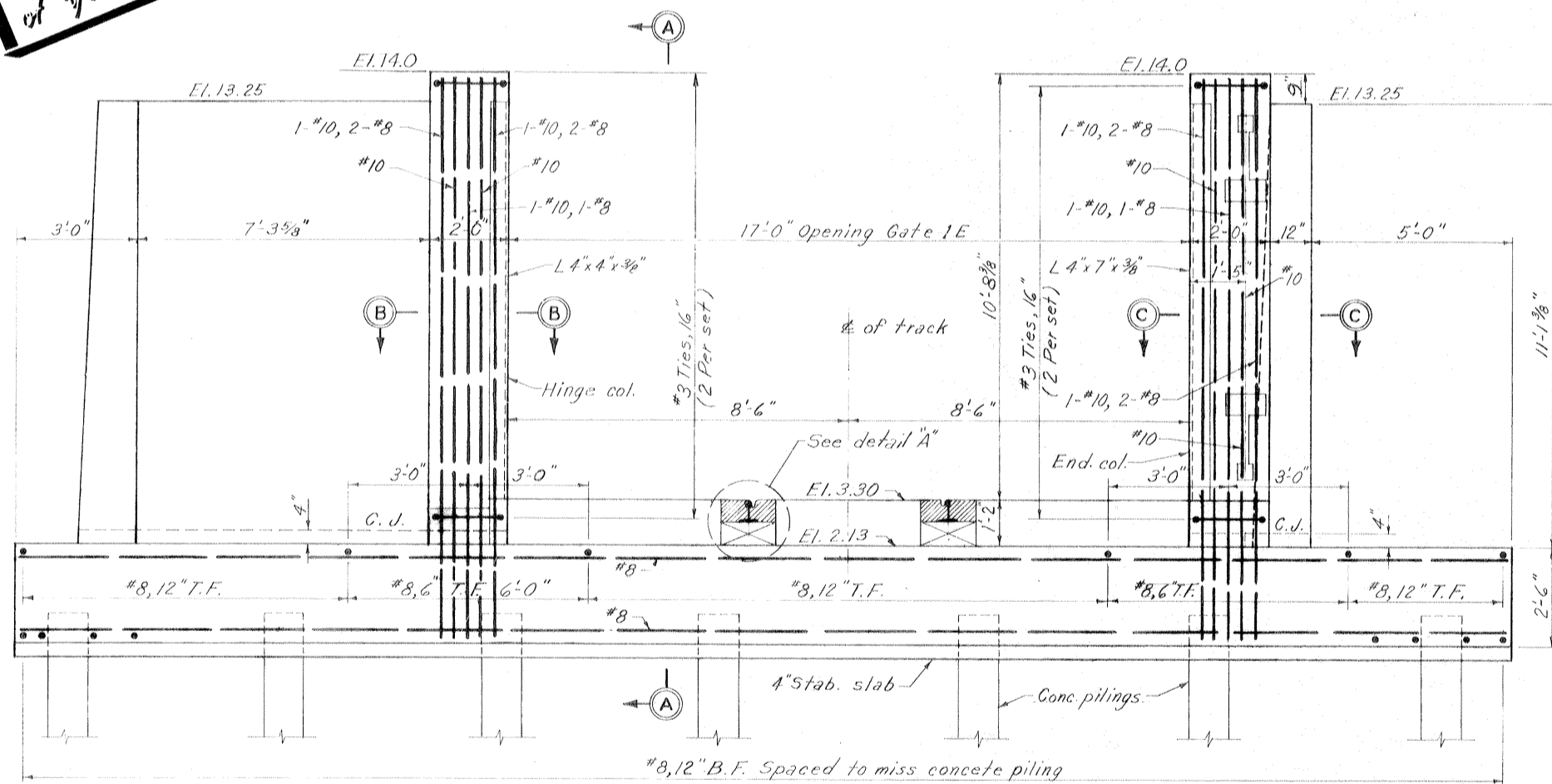
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.
E. J. M.	B. H. D.	H. L. B.			H-4-24822



FLOOD SIDE

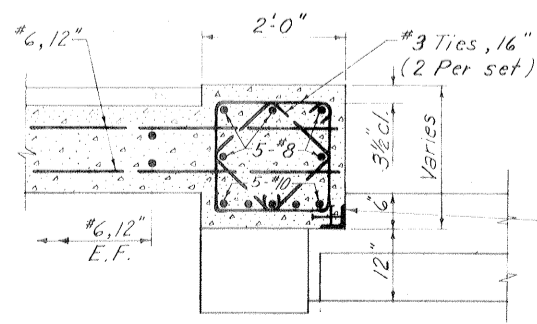
PLAN AT ELEVATION 3.30

Safety is a Part of Your Contract

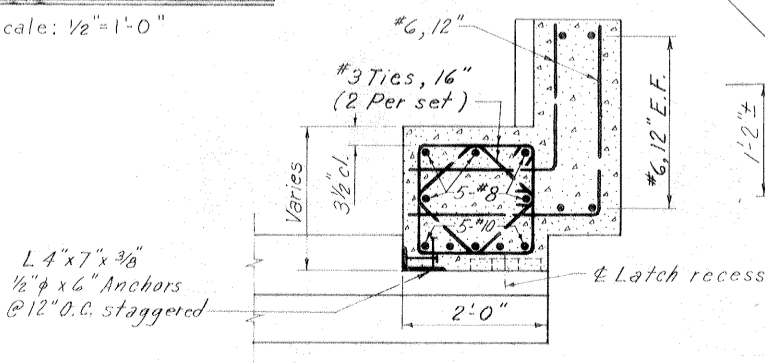


FLOOD SIDE ELEVATION

Scale: 1/2" = 1'-0"



SECTION B-B

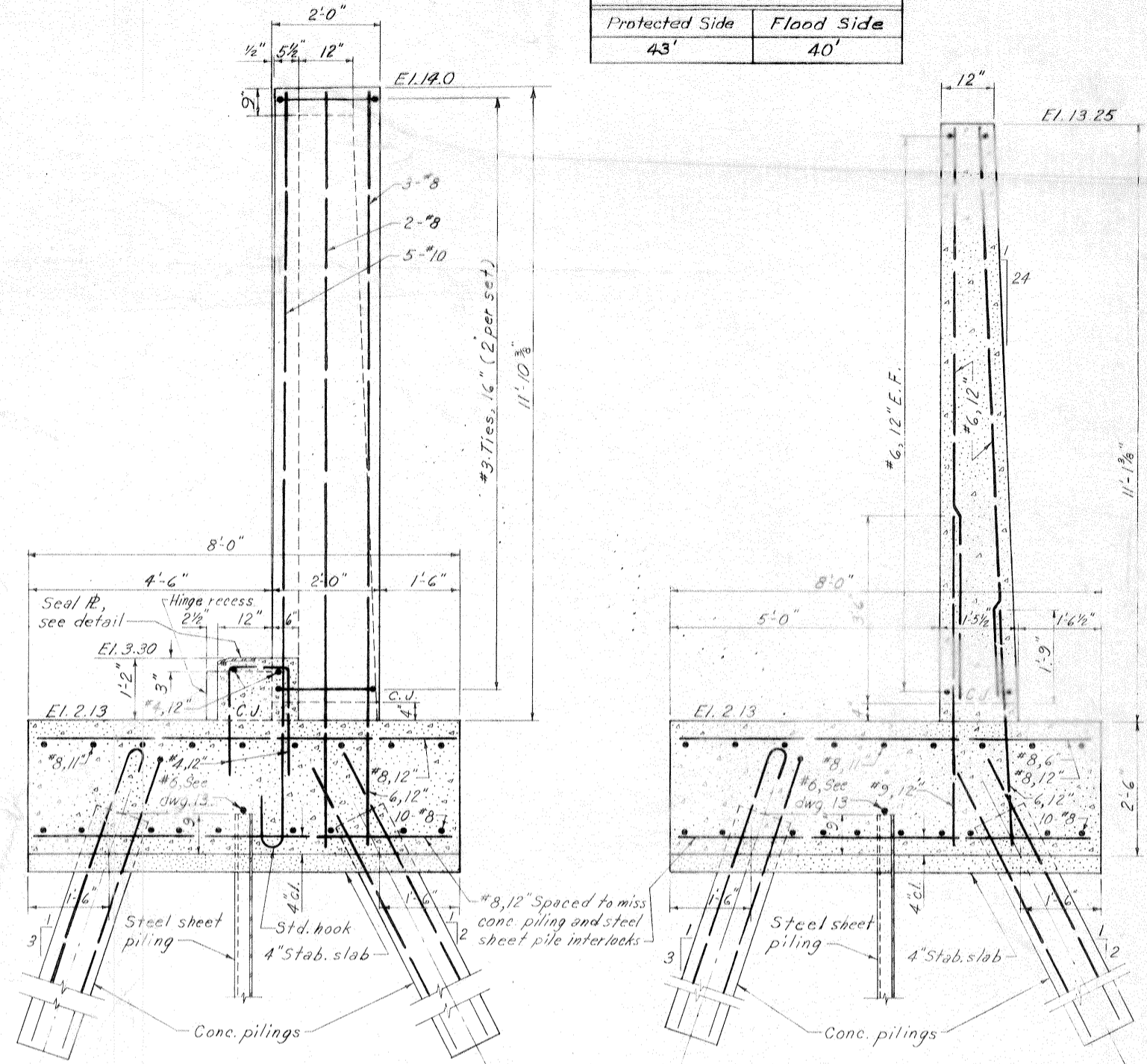


SECTION C-C

DETAIL A

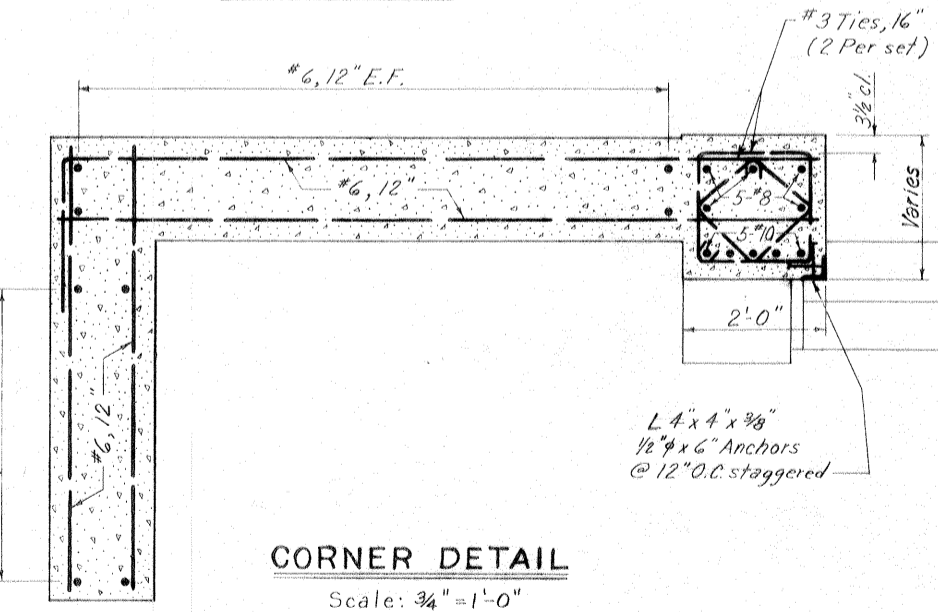
Scale: 1" = 1'-0"

* Asphaltic concrete pavement shall be type 1 basecourse as described in "standard specification for roads and bridges" published by the State of Louisiana Department of Highways.



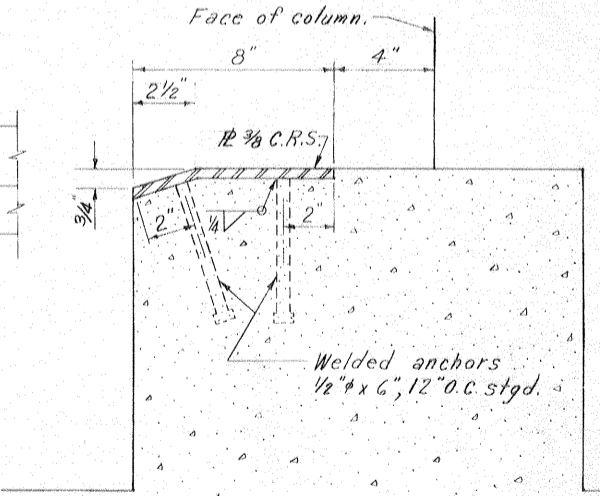
SECTION A-A

TYPICAL WALL SECTION



CORNER DETAIL

Scale: 3/4" = 1'-0"



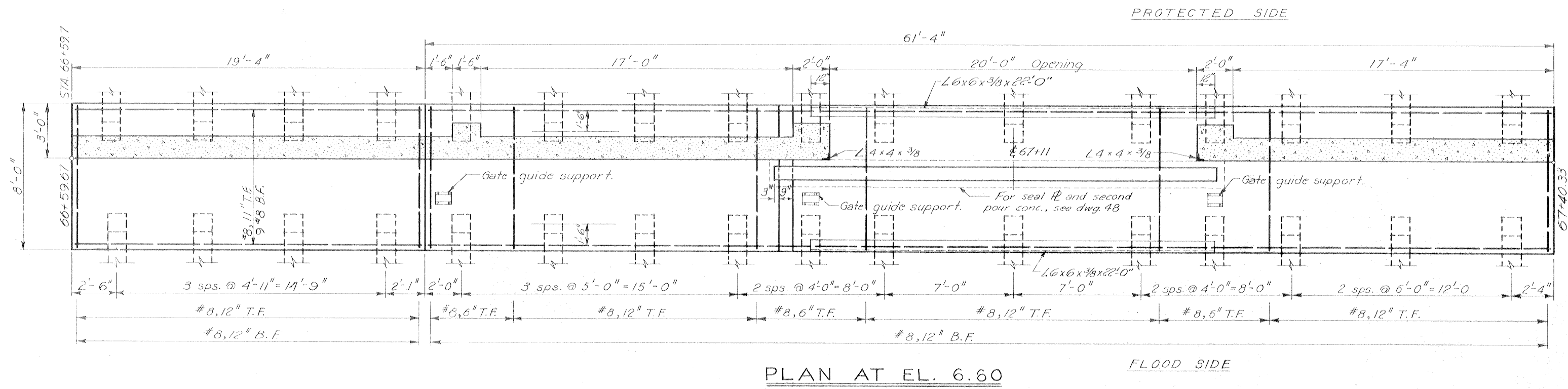
SWING GATE SEAL PLATE

Scale: 3" = 1'-0"

Note:
 For general notes, see dwg. 2
 For hatch recess details, see dwg. 38
 For piling details, see dwg. 48
 All holes cut in steel sheet piling for reinf. shall not exceed 2" dia.

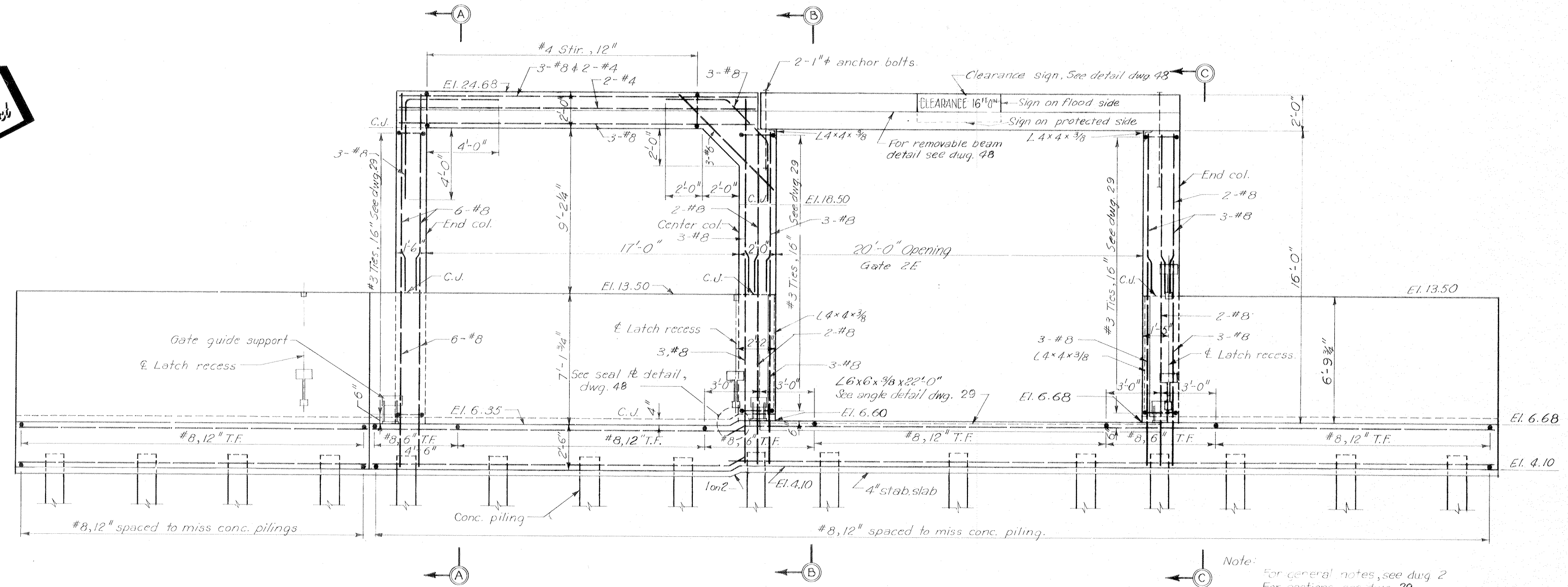
REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
T.S.T.	G.P.M.	H.L.B.	H-4-24822
DATE: MARCH 1970	SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137	DWG. NO. 27 OF 51

GATE MONOLITH-GATE 1E



PLAN AT EL. 6.60

Safety is a Part of Your Contract

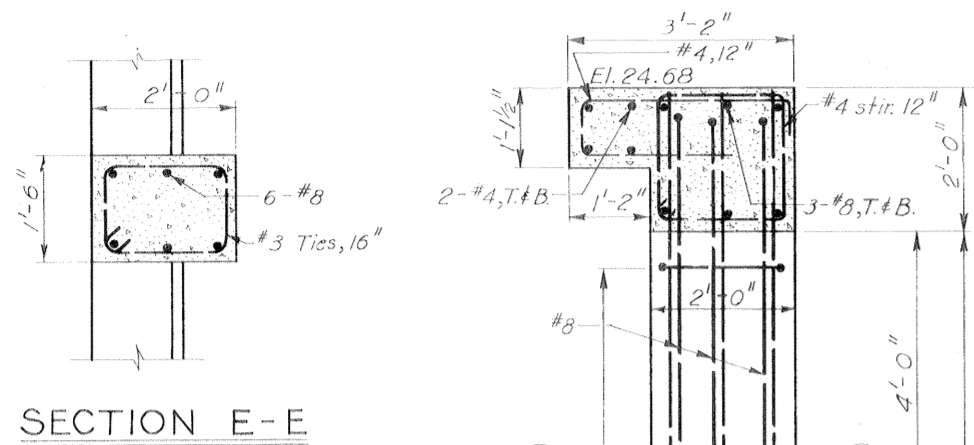


FLOOD SIDE ELEVATION
Scale: 3/8" = 1'-0"

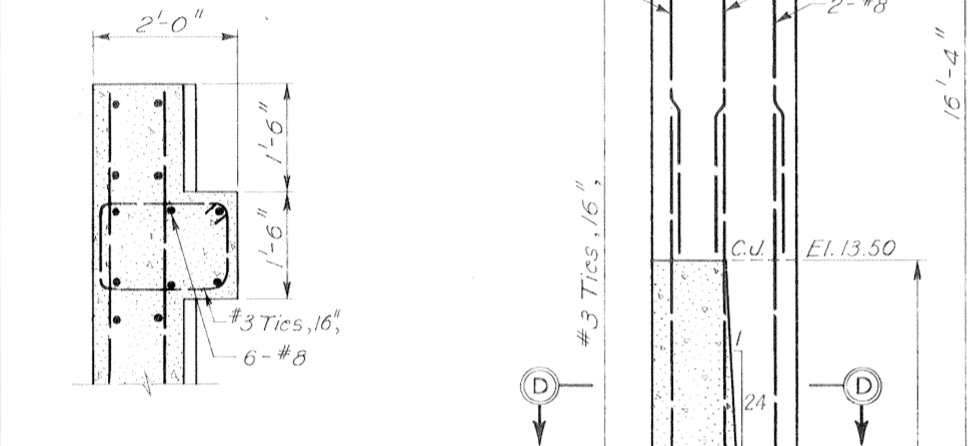
Note:
 For general notes, see dwg 2
 For sections, see dwg 29
 For latch recess details, see dwg 38
 For gate guide support details, see dwg 39
 For seal plate, anchor bolts, removable beam, and clearance sign, see details dwg 48
 For piling details see dwg. 48
 All notes cut in steel sheet piling for reinf. shall not exceed 2" φ

REVISION	DATE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: J.J.P.	CHECKED: T.F.P.	
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137
FILE NO. H-4-24822		DWG. NO. 28 OF 51	

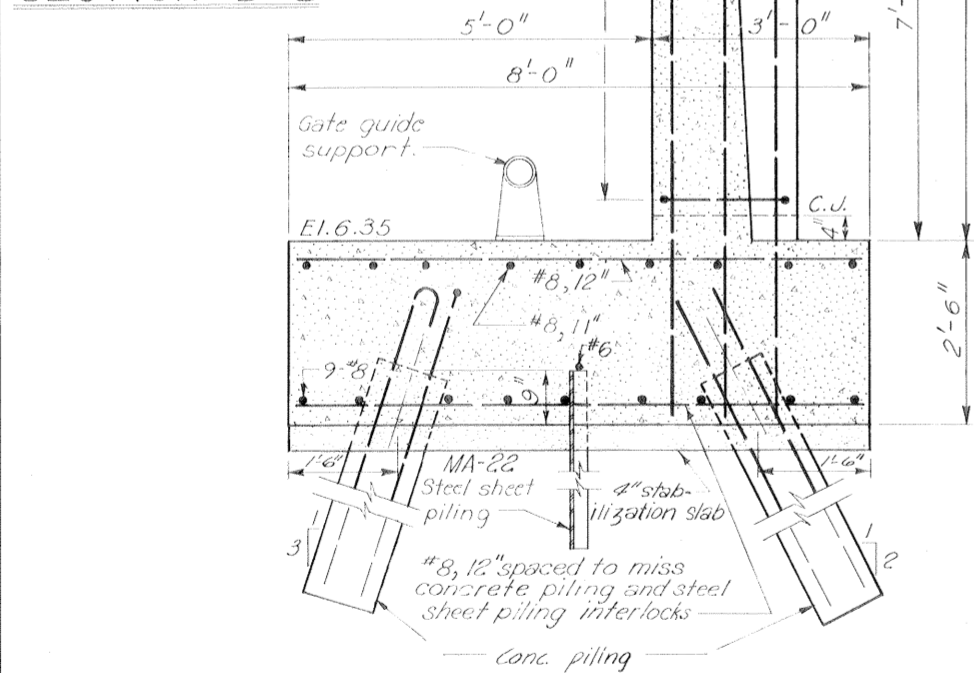
GATE MONOLITH-GATE 2E



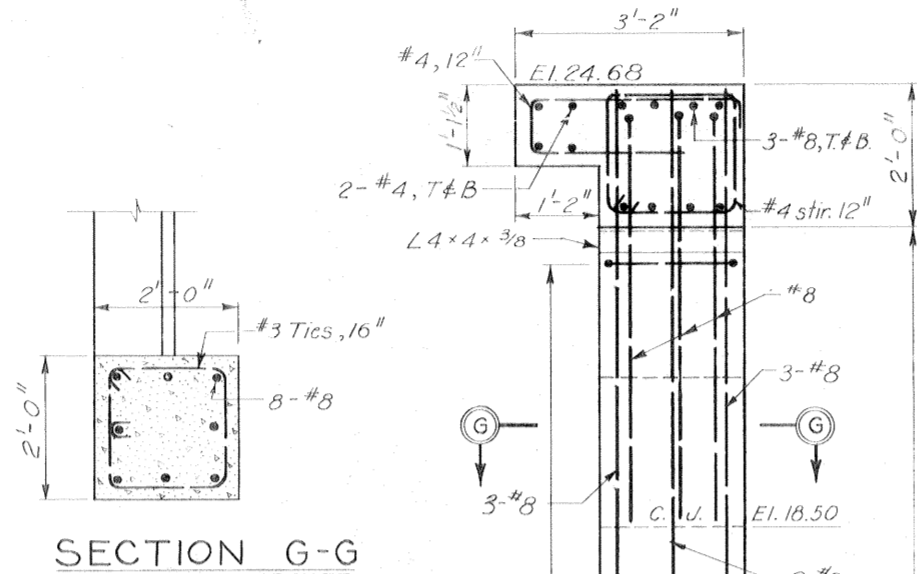
SECTION E-E



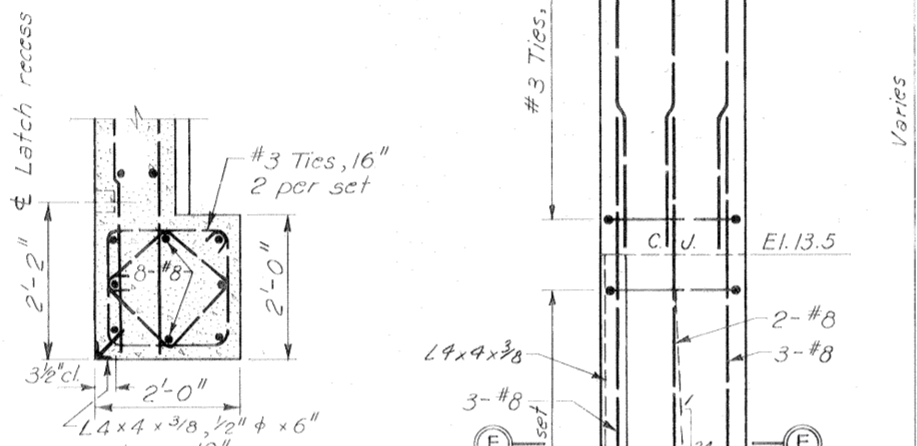
SECTION D-D



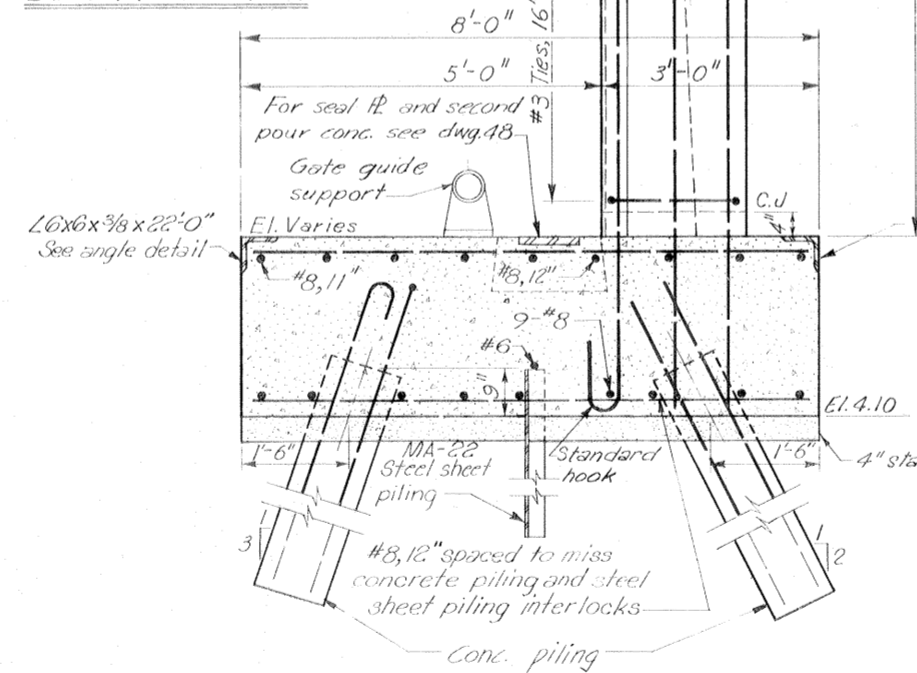
SECTION A-A



SECTION G-G

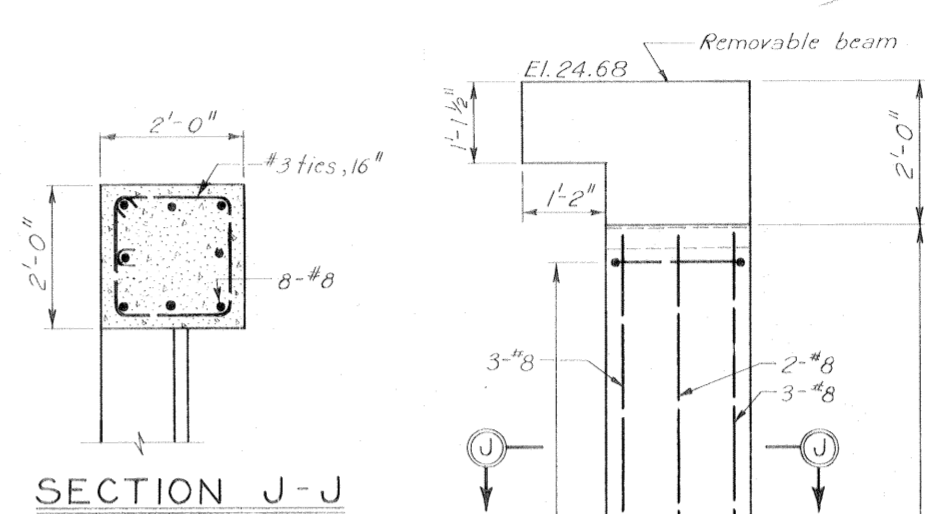


SECTION F-F

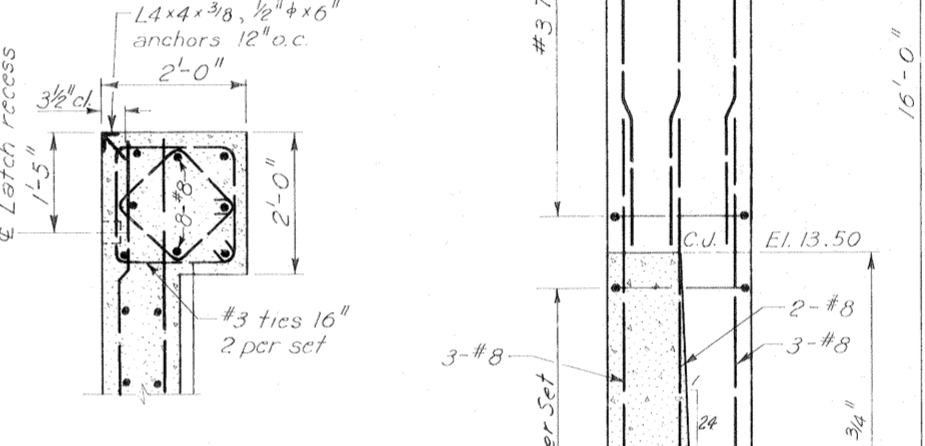


SECTION B-B

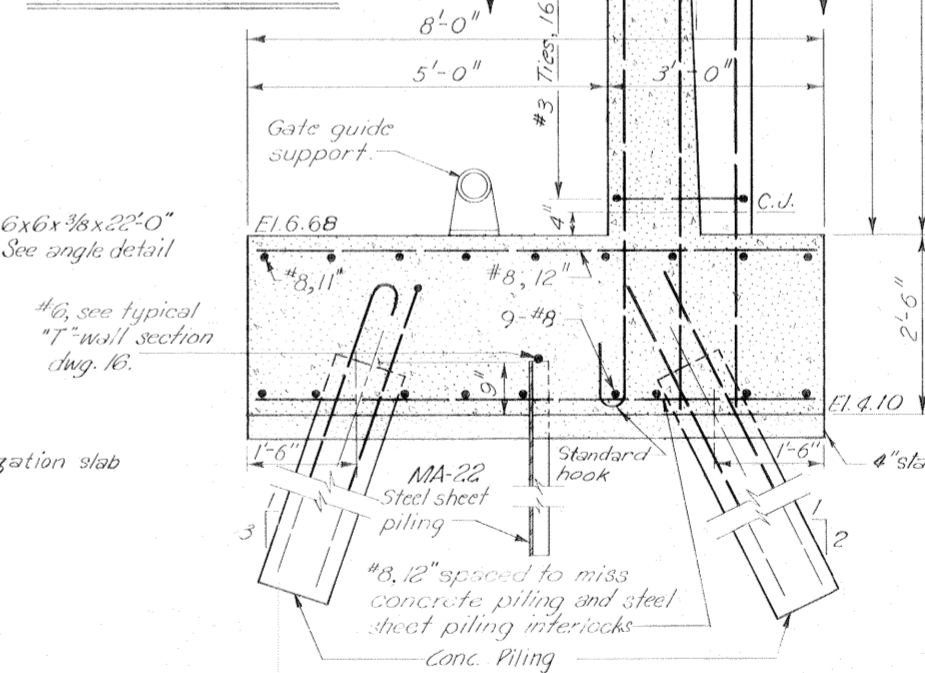
Scale: 3/4" = 1'-0"



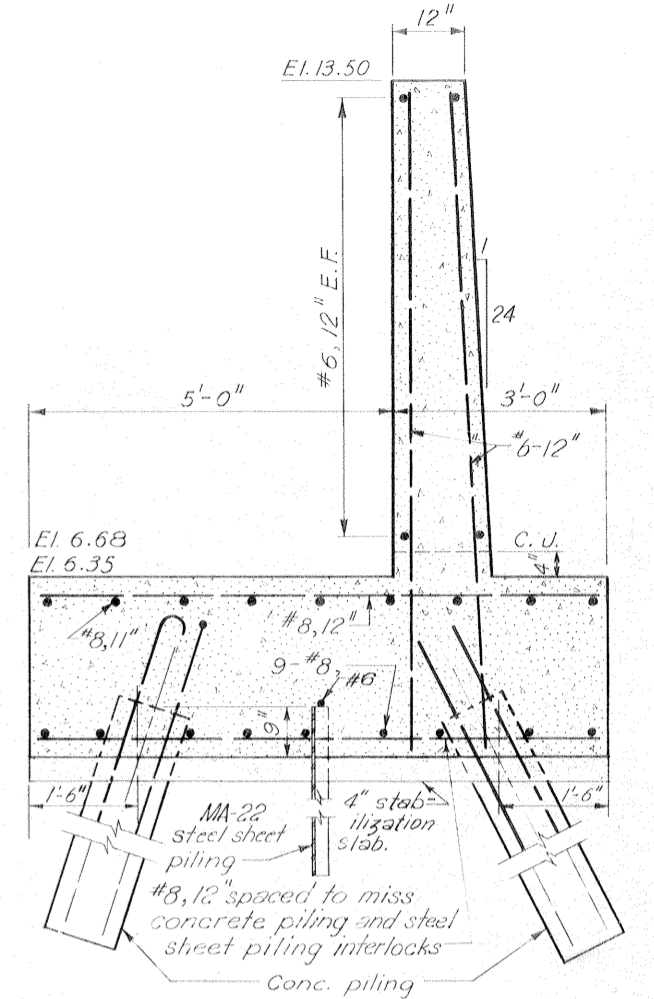
SECTION J-J



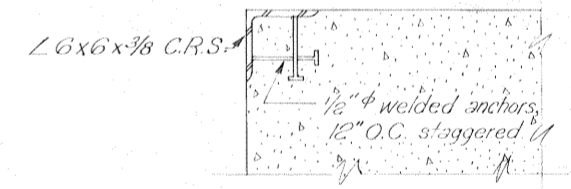
SECTION H-H



SECTION C-C



TYPICAL WALL SECTION



ANGLE DETAIL

Scale 1/2" = 1'-0"

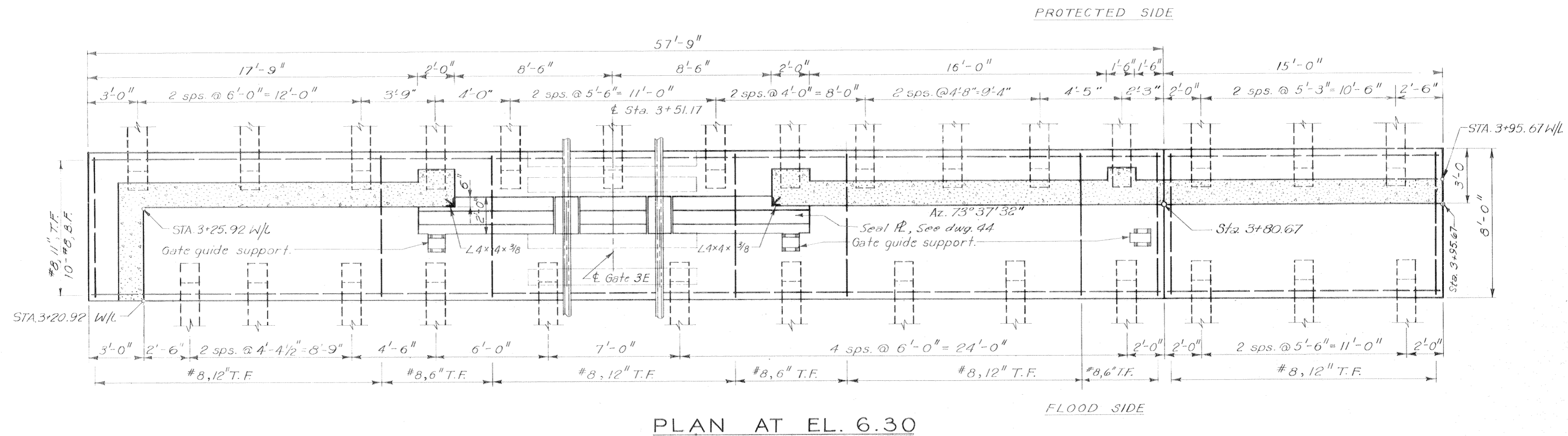
Note:
See notes on dwg. 28
For location of sections A-A, B-B and C-C, see dwg. 28

CONCRETE PILE LENGTHS	
Protected Side	Flood Side
35'	35'

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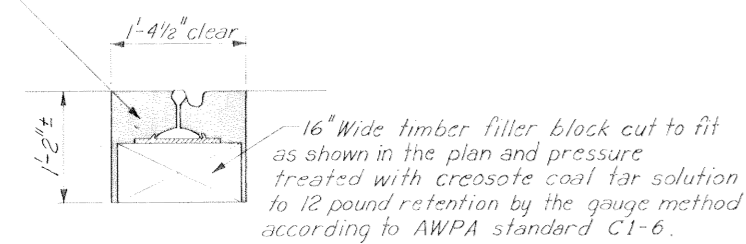
GATE MONOLITH-GATE 2E

REVISION	DATE	DESCRIPTION	BY
DESIGNED: O.A.M.	DRAWN: J.J.P.	CHECKED: T.F.P.	FILE NO. H-4-24822
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137 DWG. NO. 29 OF 51



PLAN AT EL. 6.30

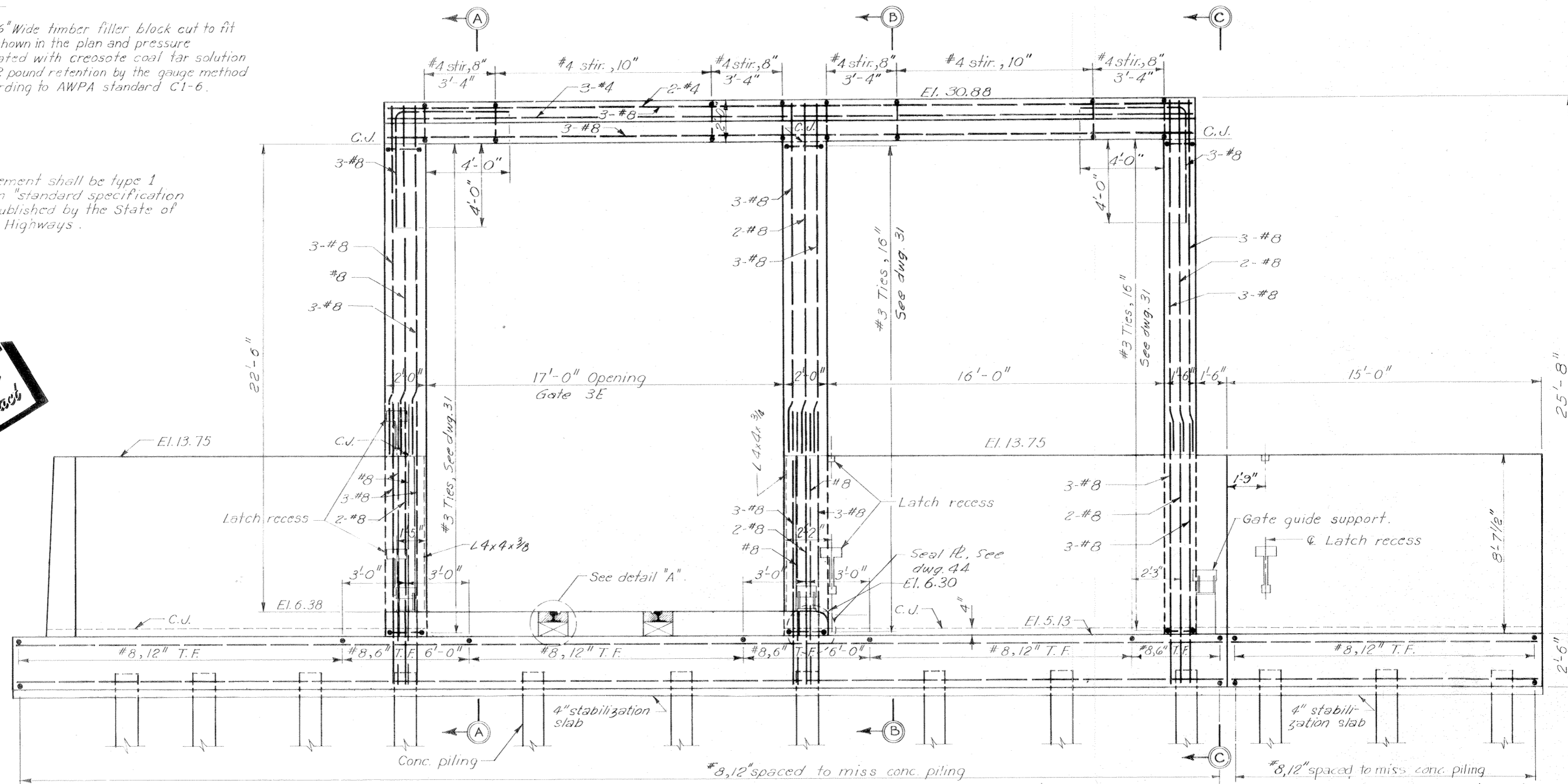
Fill sill void with asphaltic concrete pavement. *



DETAIL "A"
Scale: 1" = 1'-0"

* Asphaltic concrete pavement shall be type 1 basecourse as described in "standard specification for roads and bridges" published by the State of Louisiana Department of Highways.

Safety is a Part of Your Contract



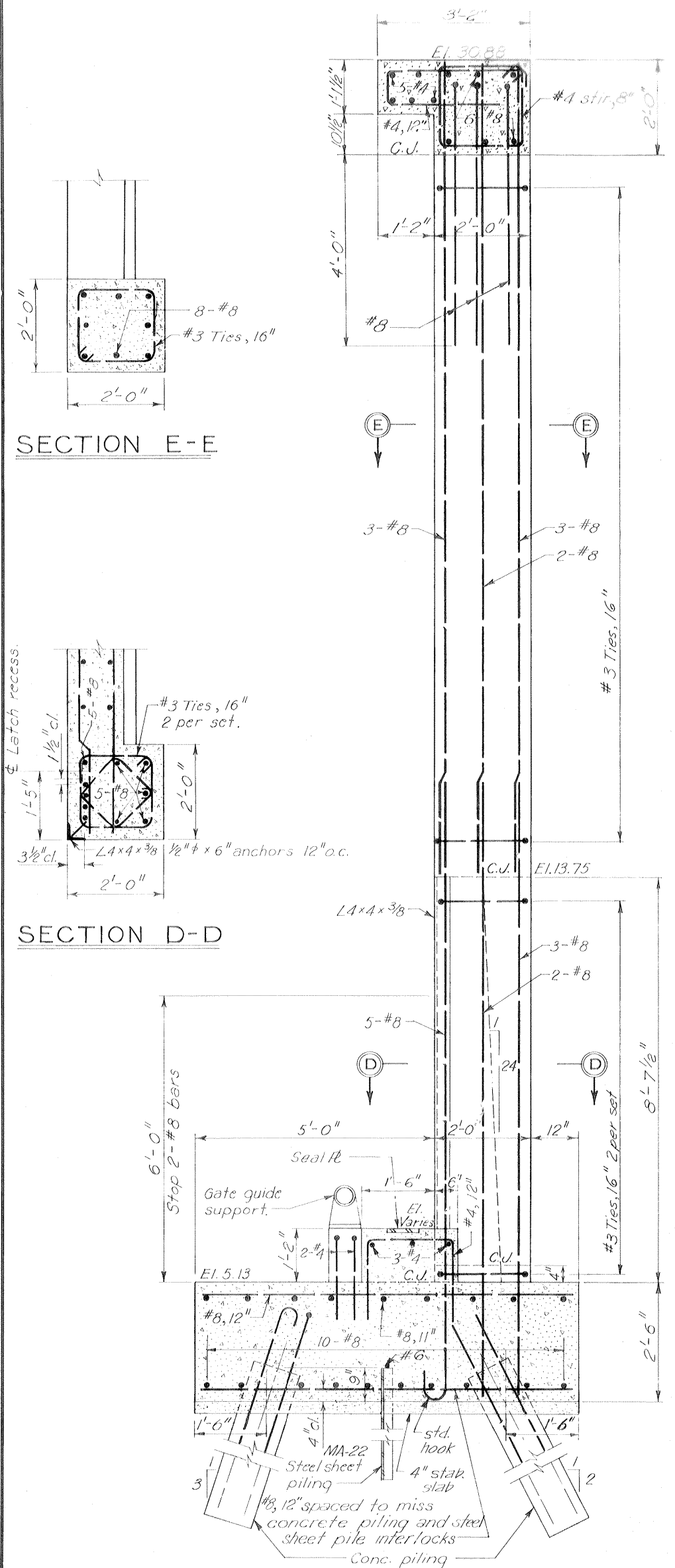
FLOOD SIDE ELEVATION

Scale: 3/8" = 1'-0"

Note:
For general notes, see dwg. 2
For sections, see dwg. 31
For latch recess details, see dwg. 38
For gate guide support details, see dwg. 39
For seal plate details, see dwg. 44
For piling details see dwg. 48
All holes cut in steel sheet piling for reinf. shall not exceed 2" ø.

GATE MONOLITH-GATE 3E

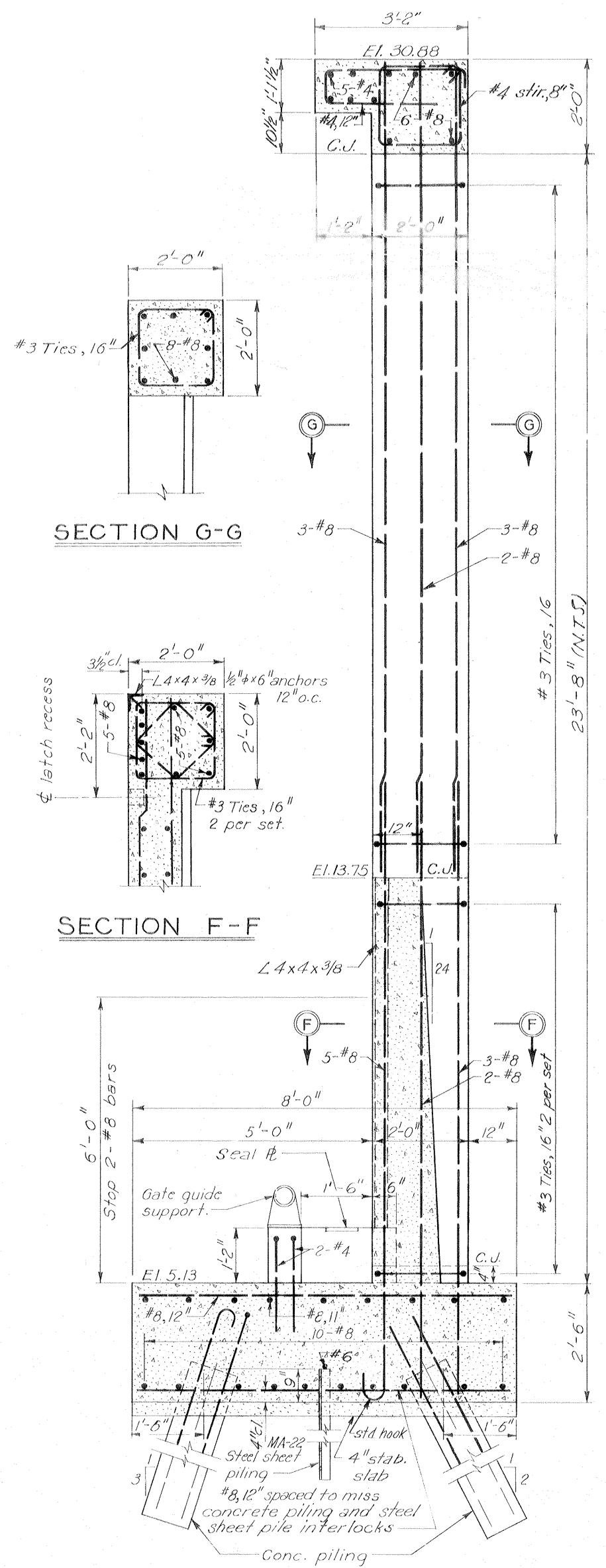
REVISION	DATE	DESCRIPTION	BY
DESIGNED: H.L.B.	DRAWN: J.J.P.	CHECKED: E.J.M.	FILE NO. H-4-24822
DATE: MARCH 1970		SCALE: SHOWN	SPIC. NO. DACW29-70-B-0137 DWG. NO. 30 OF 51



SECTION E-E

SECTION D-D

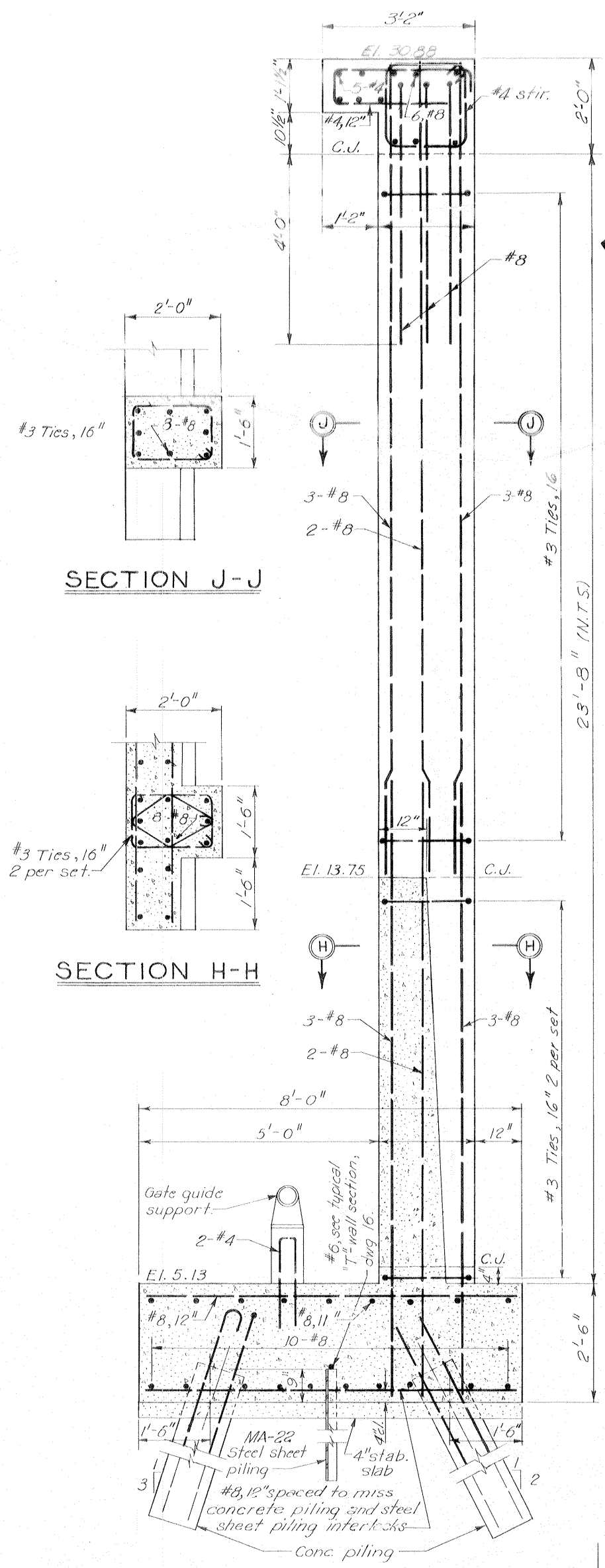
SECTION A-A



SECTION G-G

SECTION F-F

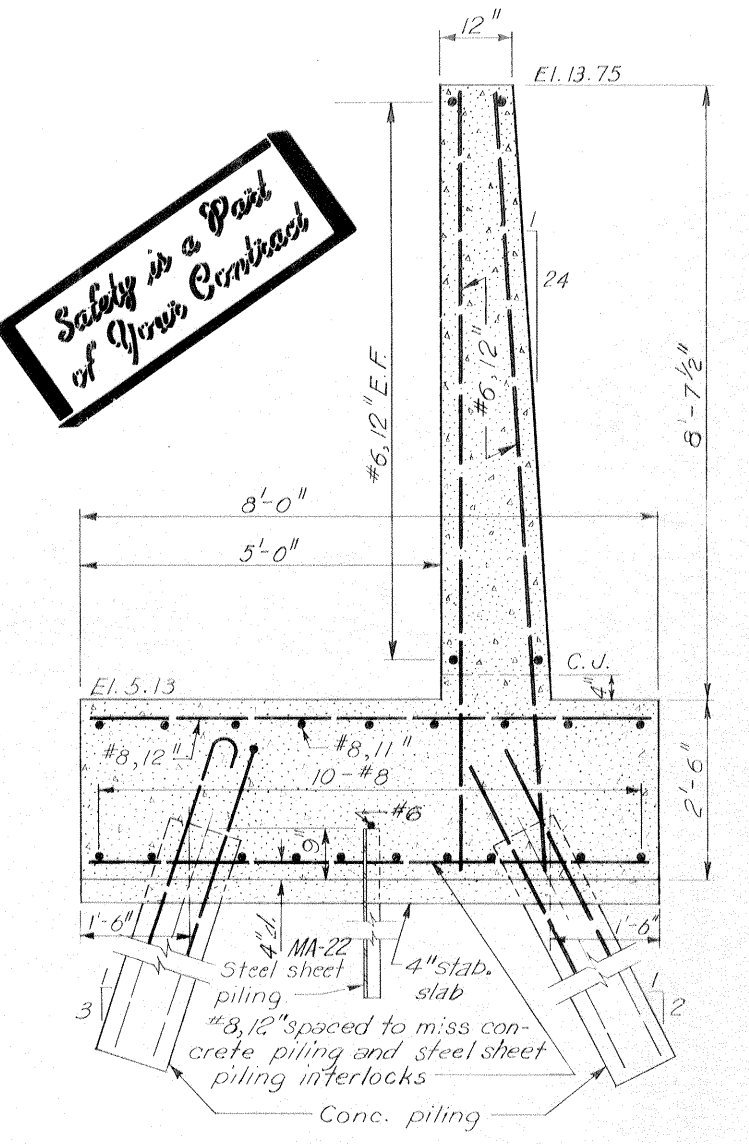
SECTION B-B
Scale: 3/4" = 1'-0"



SECTION J-J

SECTION H-H

SECTION C-C



TYPICAL WALL SECTION

Scale: 3/4" = 1'-0"

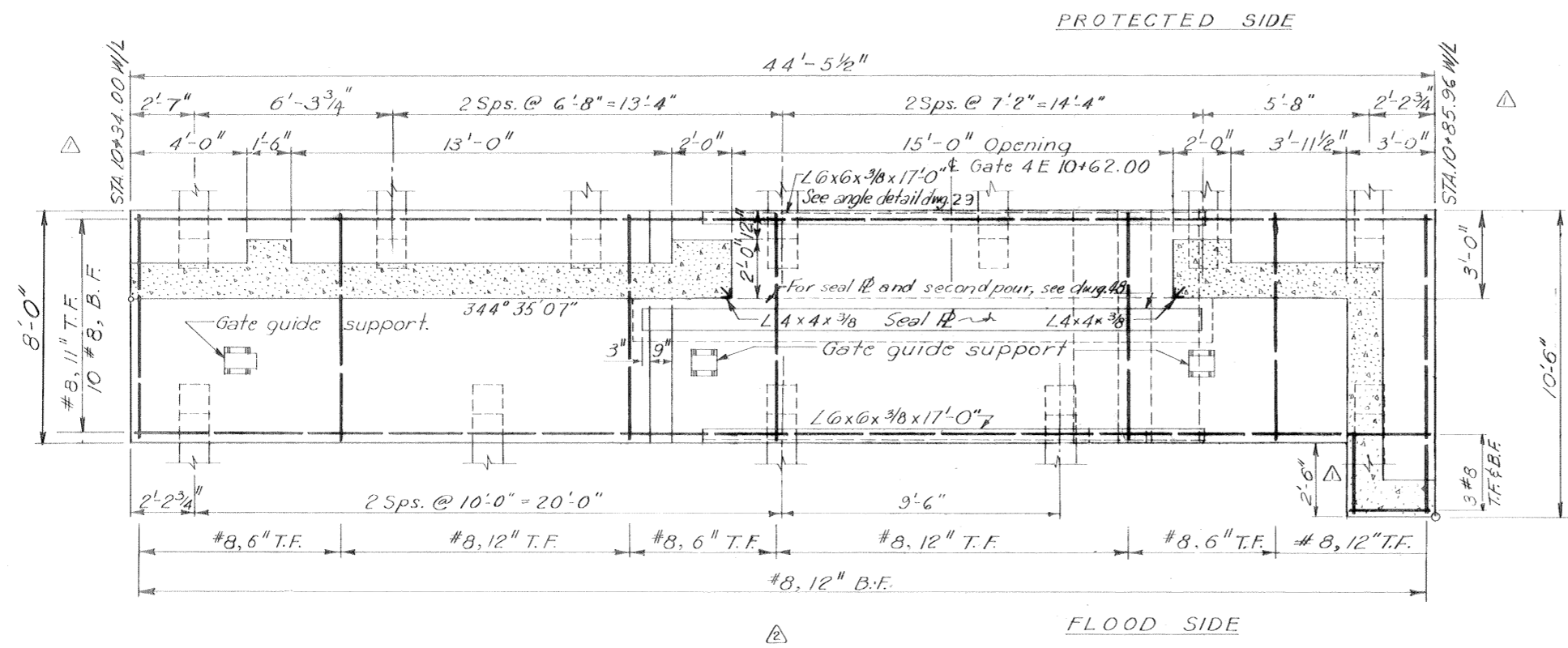
CONCRETE PILE LENGTHS	
Protected Side	Flood Side
50'	46'

Note:
See notes on dwg 30
for locations of sections A-A, B-B and
C-C see dwg 30
For piling details see dwg 48

**Safety is a Part
of Your Contract**

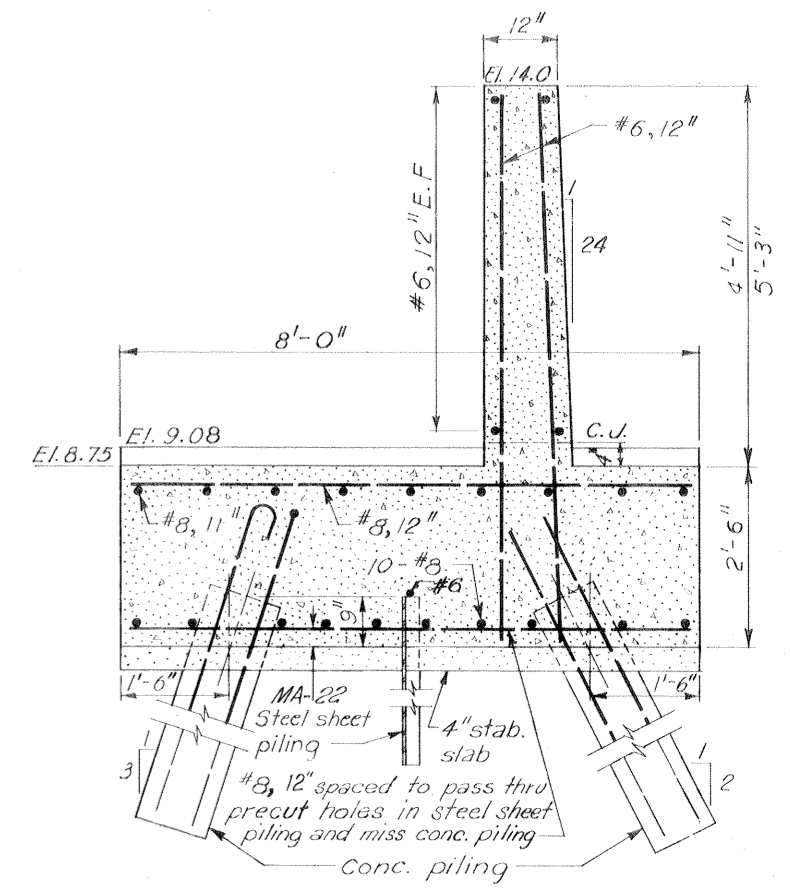
GATE MONOLITH-GATE 3E

REVISION	DATE	DESCRIPTION	BY
4-8-70		Changed "Concrete Pile Lengths" - Flood Side. Amend #1	
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
D.A.M.	J.J.P.	E.J.M.	
FILE NO.			H-4-24822
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137 DWG. NO. 31 OF 51



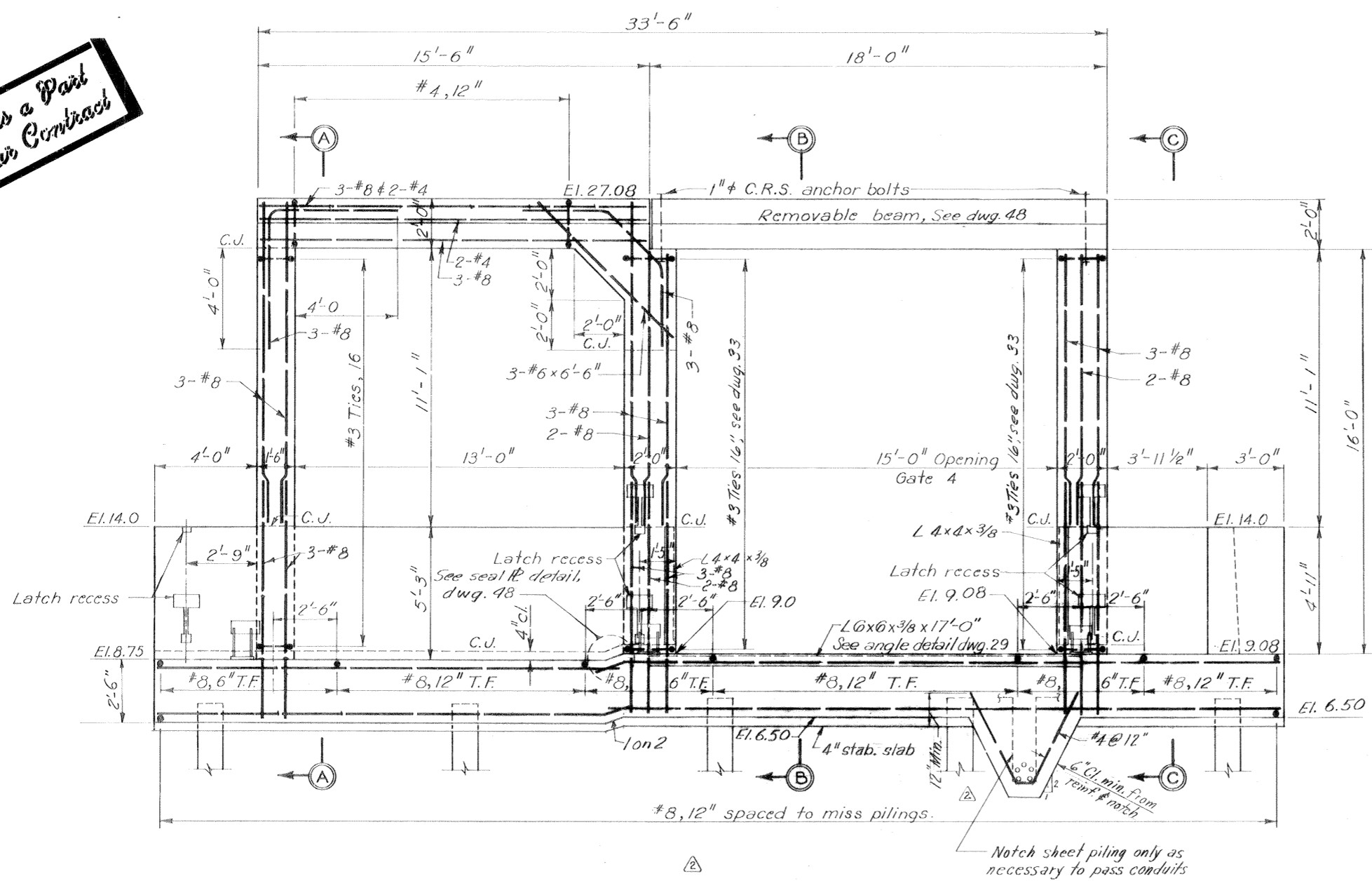
PLAN AT EL. 9:0

CONCRETE PILE LENGTHS	
Protected Side	Flood Side
46'	40'

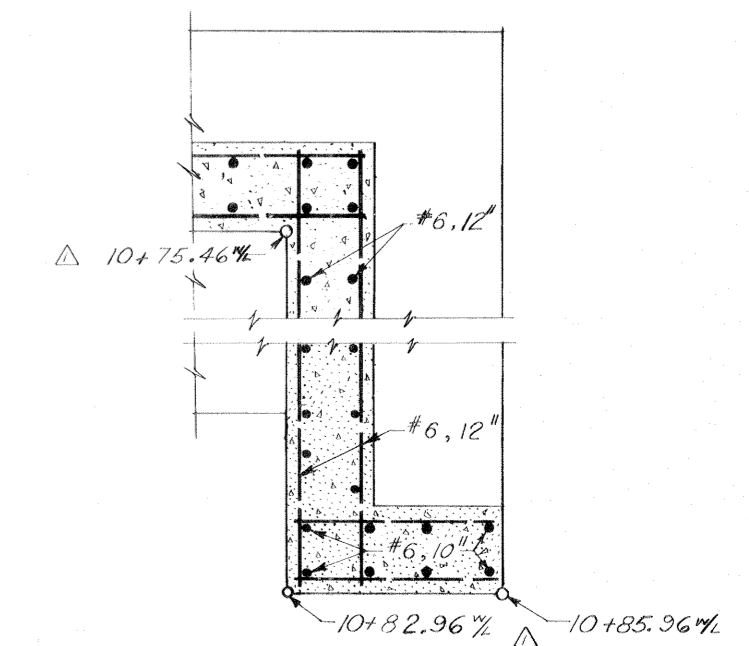


TYPICAL WALL SECTION
Scale: 3/4" = 1'-0"

Safety is a Part of Your Contract



FLOOD SIDE ELEVATION
Scale: 3/8" = 1'-0"



TYPICAL WALL CORNER DETAIL
Scale: 3/4" = 1'-0"

THIS PLAN ACCOMPANIES MODIFICATION P007 TO CONTRACT NO. DACW29-70-C 0206

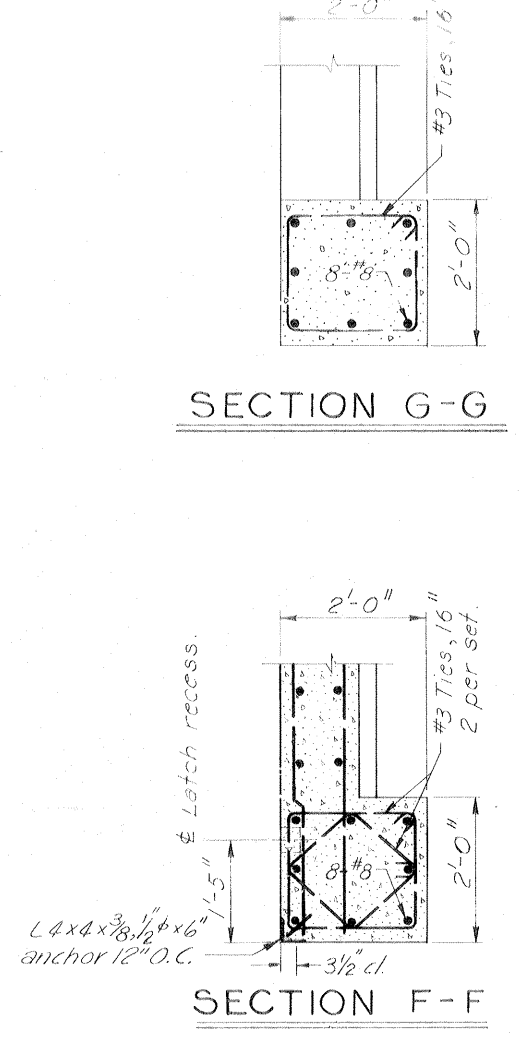
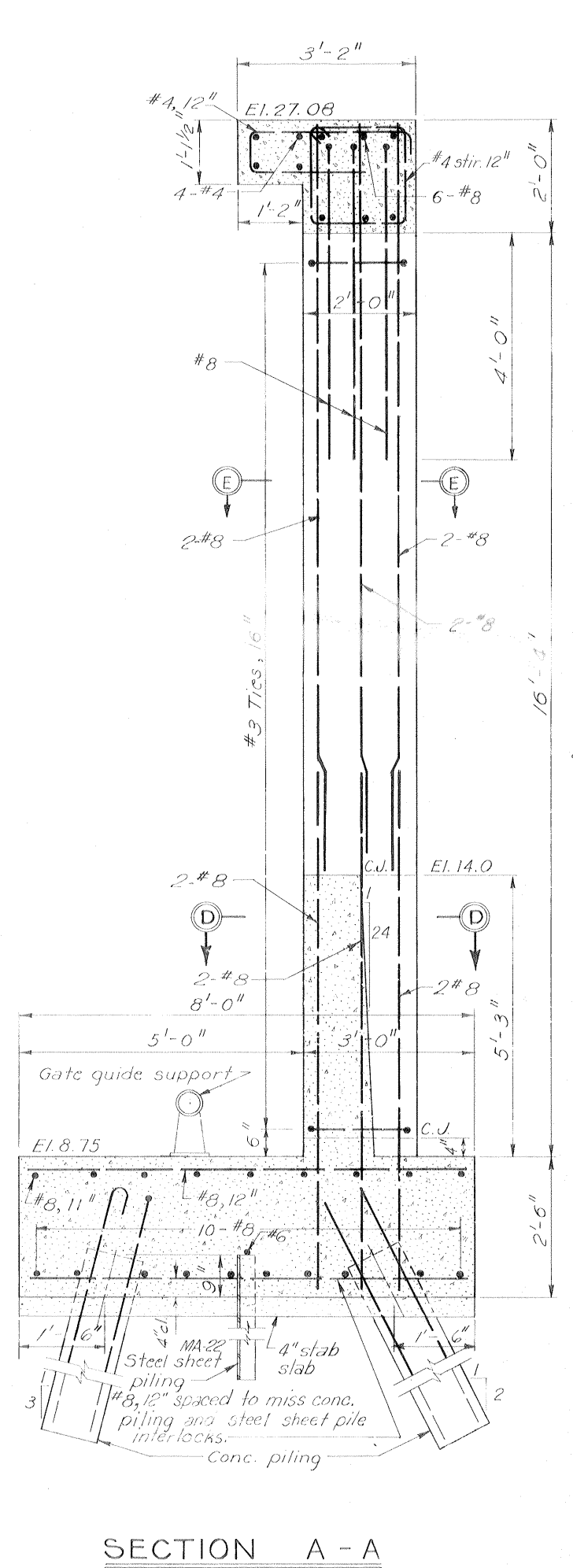
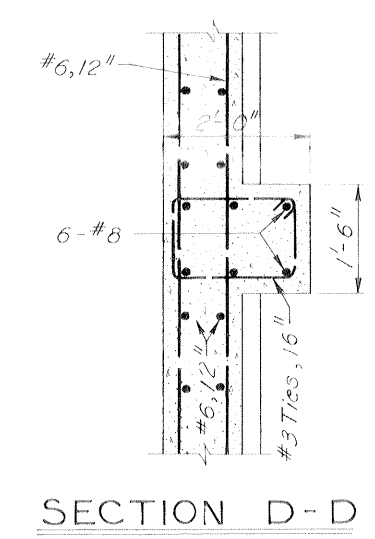
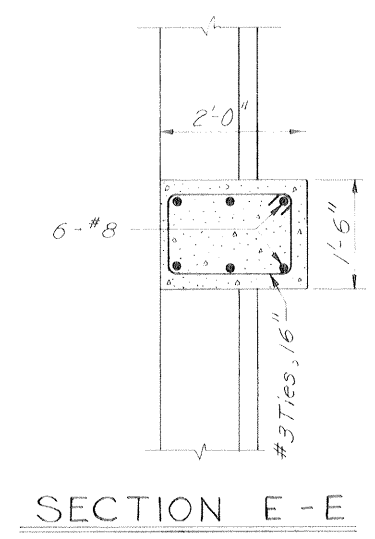
Note:
For general notes, see dwg. 2
For sections, see dwg. 33
For latch recess details, see dwg. 38
For gate guide support details, see dwg. 39
For seal plate, anchor bolts, removable beam, and clearance sign, see details dwg. 48
For piling details see dwg. 48
All holes cut in steel sheet piling for reinf. shall not exceed 2" φ.

REVISION	DATE	CHECKED	DESCRIPTION	BY
1-15-71			Revised monolith Mod. No. 7	GPM
10-14-70			Revised monolith w/L sta's. Mod. No. 6	E/M

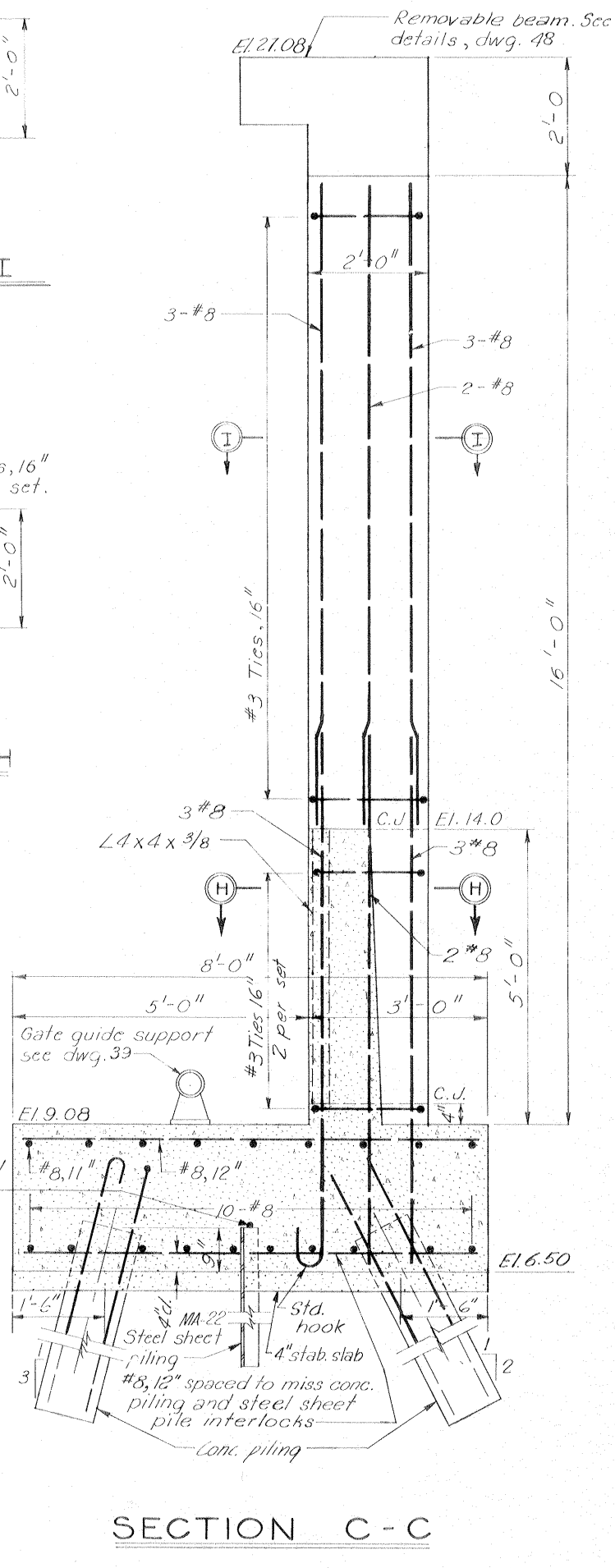
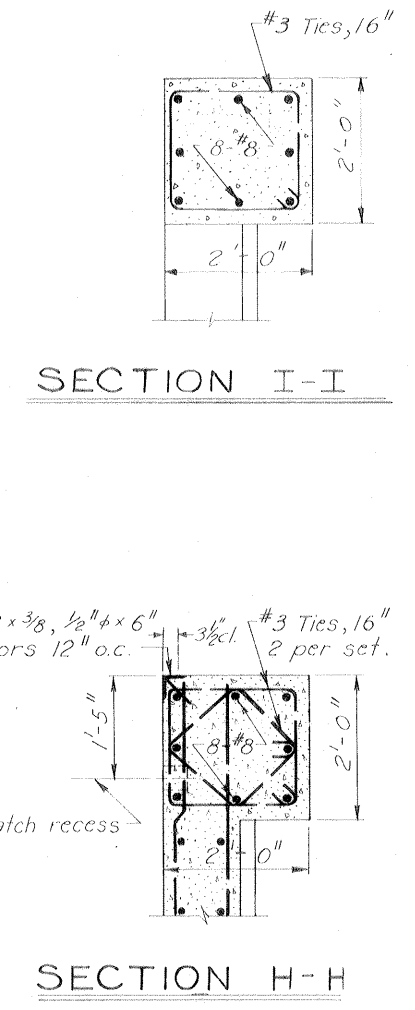
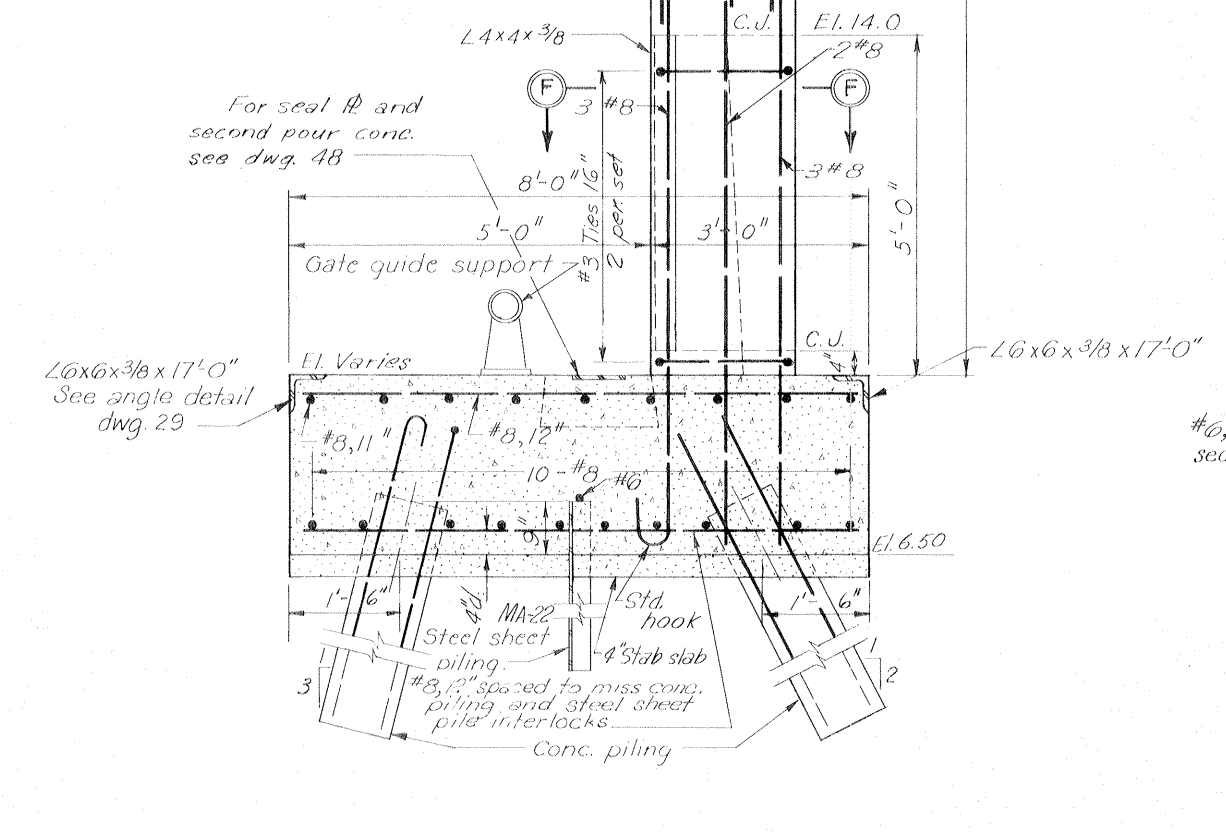
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.
T.F.P.	J.J.P.	D.A.M.			H-4-24822

DATE: MARCH 1970 SCALE: SHOWN SPEC. NO. DACW29-70 B-0137 DWG. NO. 32 OF 51

Safety is a Part of Your Contract



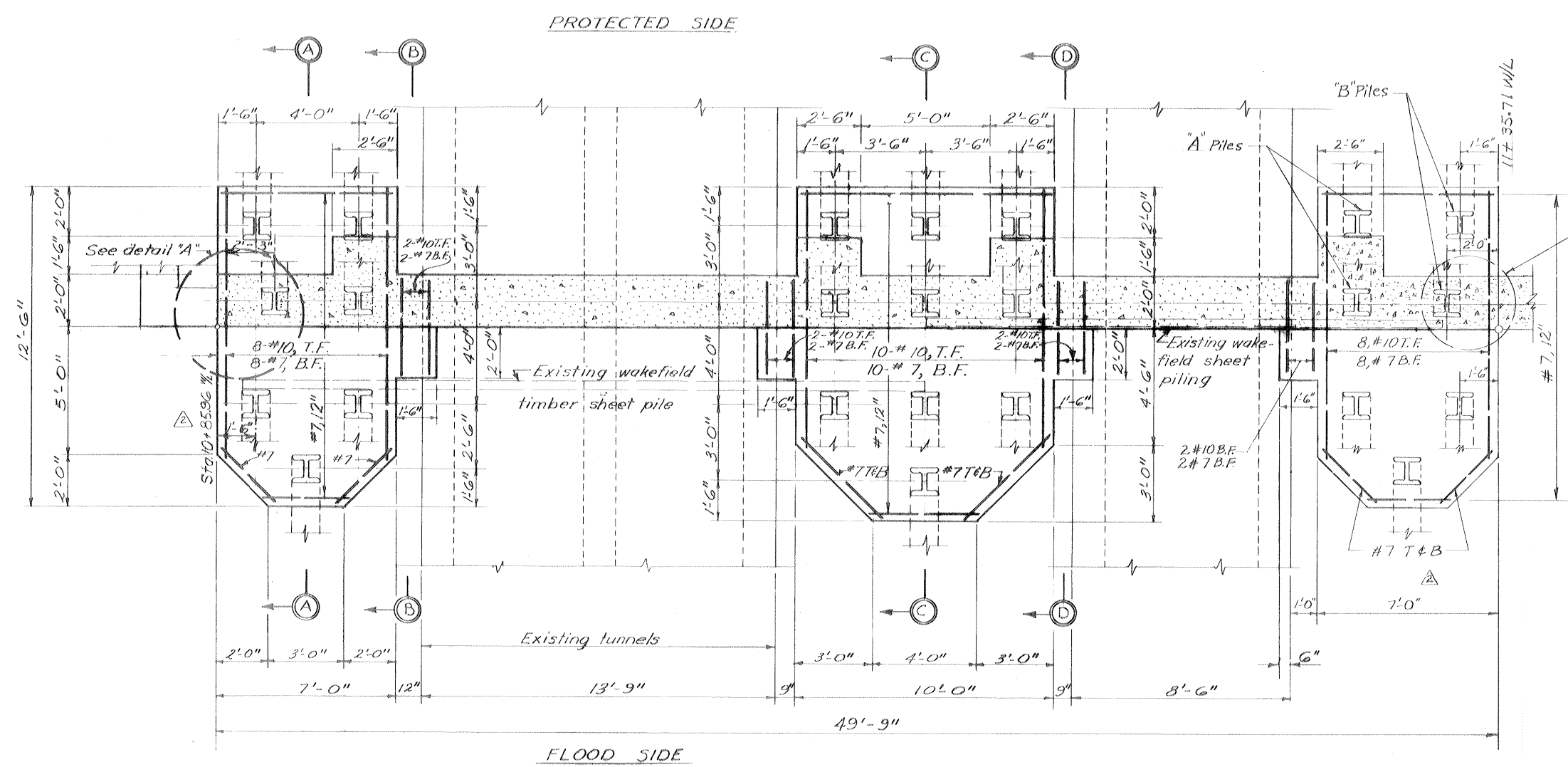
SECTION B-B
Scale: 3/4" = 1'-0"



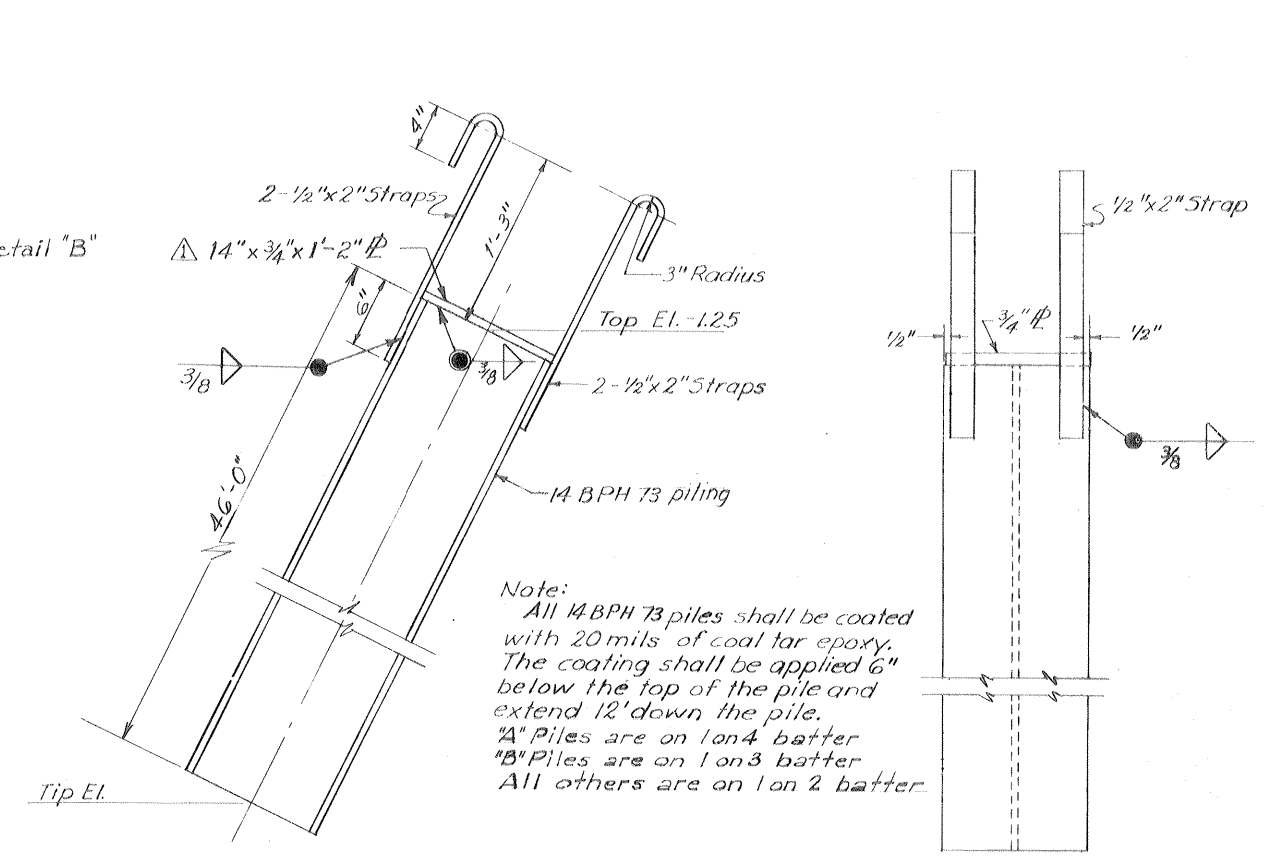
Note:
See notes on dwg. 32
for location of sections A-A, B-B, and C-C, see dwg. 32
For typical wall section, see dwg. 32

GATE MONOLITH-GATE 4E

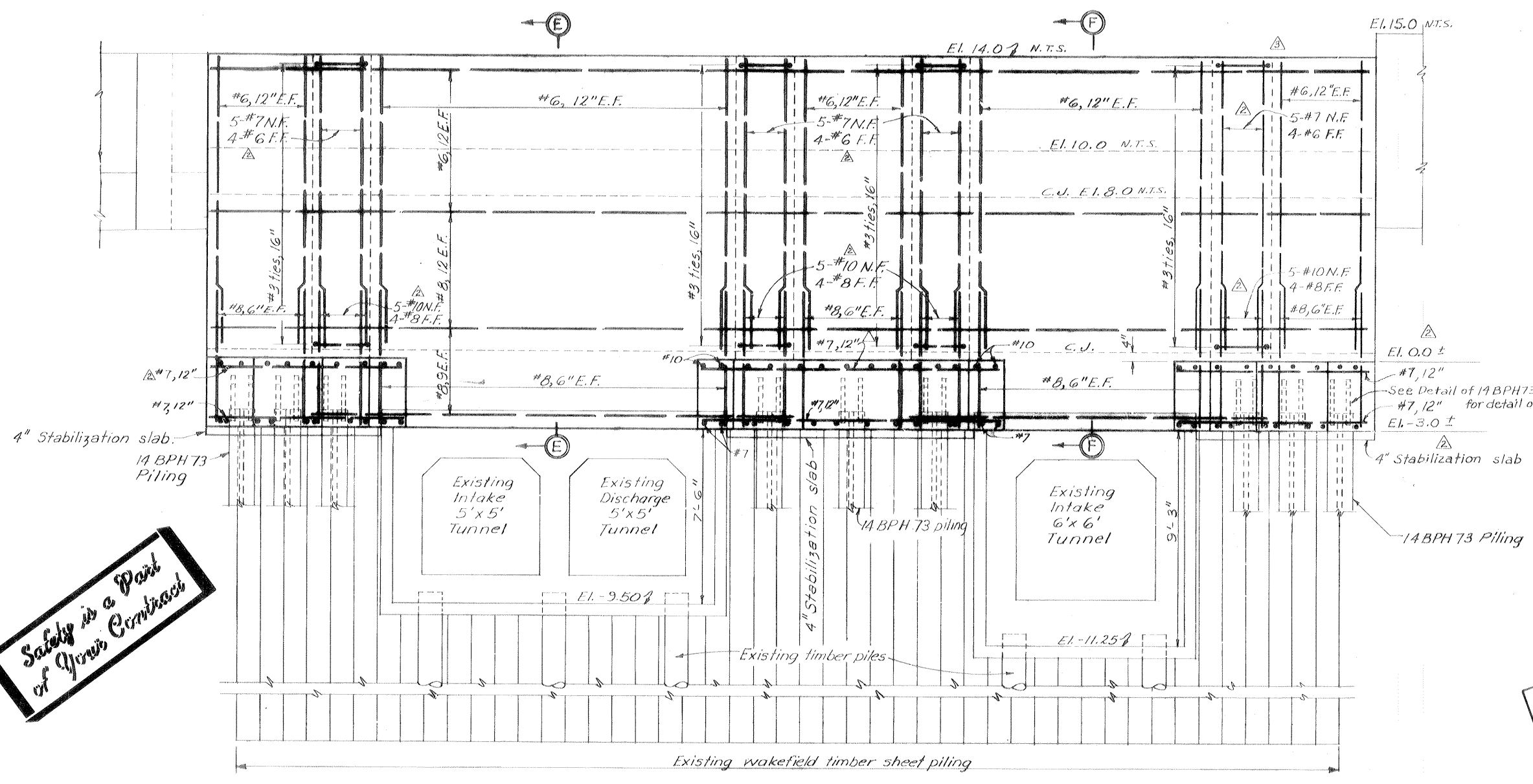
REVISION	DATE	DESCRIPTION	BY
DESIGNED: T.F.P.	DRAWN: J.J.P.	CHECKED: D.A.M.	FILE NO.
H-4-24822			DATE: MARCH 1970
SPEC. NO. DACW29-70-B-0137			DWG. NO. 33 OF 51



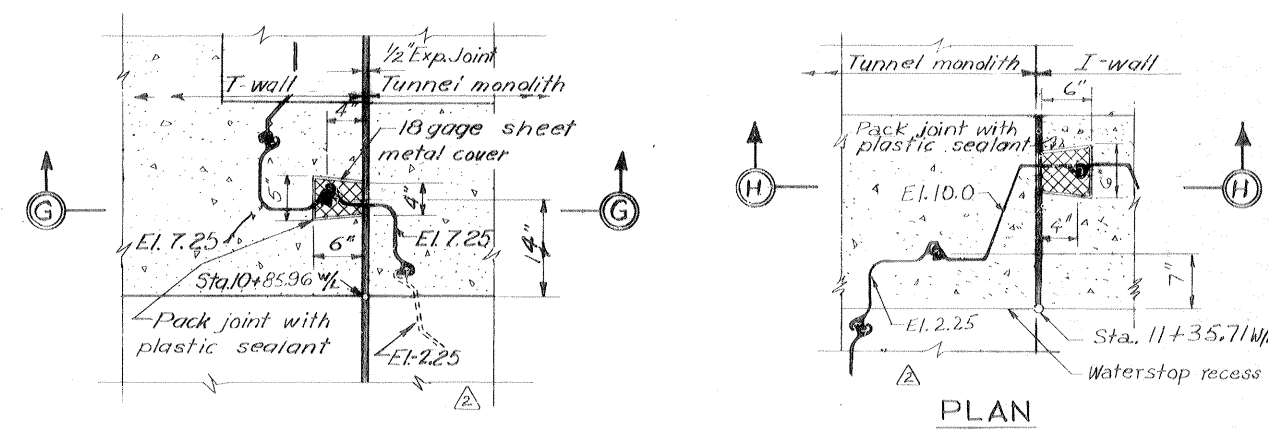
PLAN
Scale: 3/8" = 1'-0"



DETAIL OF 14 BPH 73 PILES
Scale: 1/2" = 1'-0"



ELEVATION
Scale: 3/8" = 1'-0"



SECTION G-G
DETAIL "A"
Scale: 1" = 1'-0"

SECTION H-H
DETAIL "B"
Scale: 1" = 1'-0"

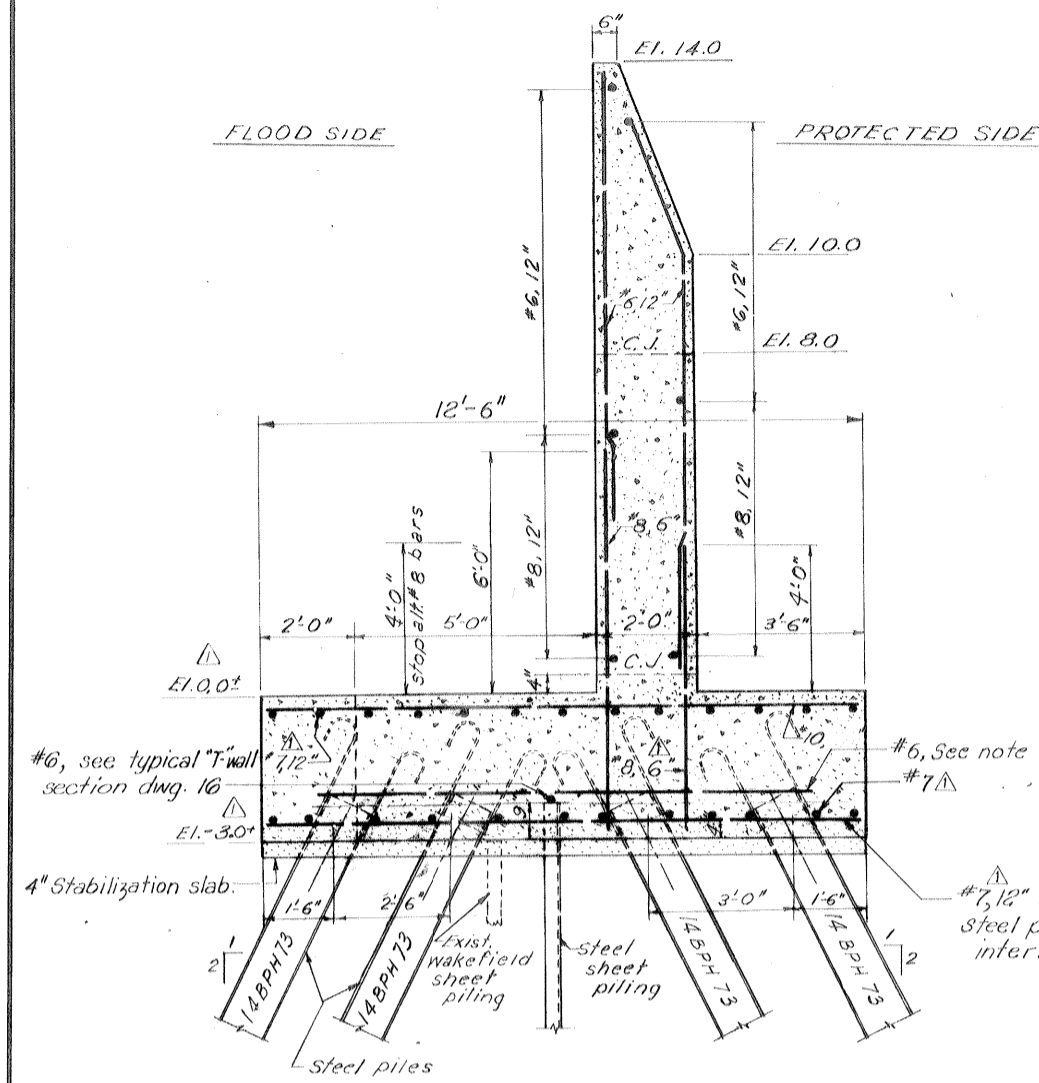
Safety is a Part of Your Contract

THIS PLAN ACCOMPANIES MODIFICATION POOG TO CONTRACT NO. DACW29-70-C-0206

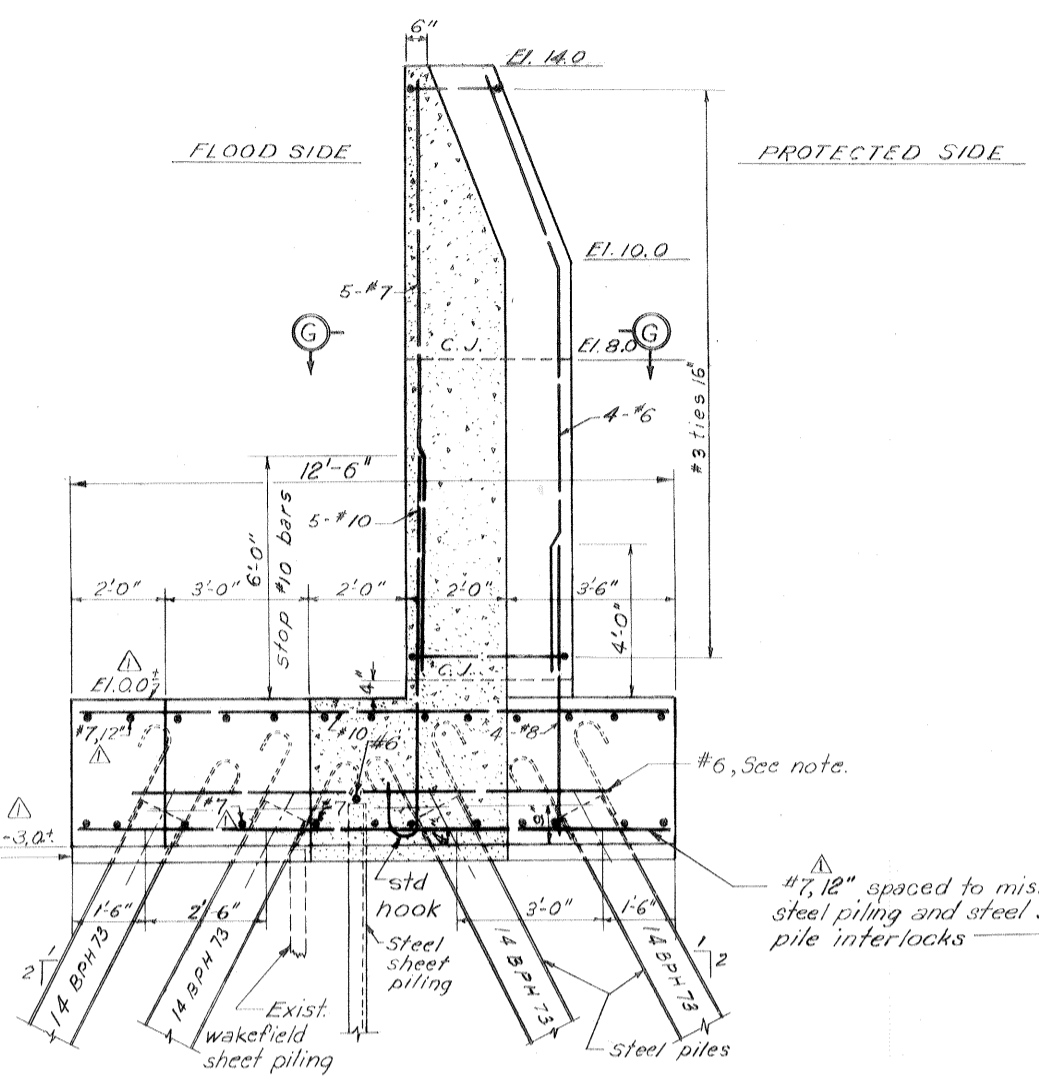
Note:
For general notes see dwg. 2
For profile elevations, see dwg. 5
For steel sheet piling layout, see dwg. 20 & 25
For sections, see dwg. 35

WALL MONOLITH AT NPSI INTAKE AND DISCHARGE STRUCTURE

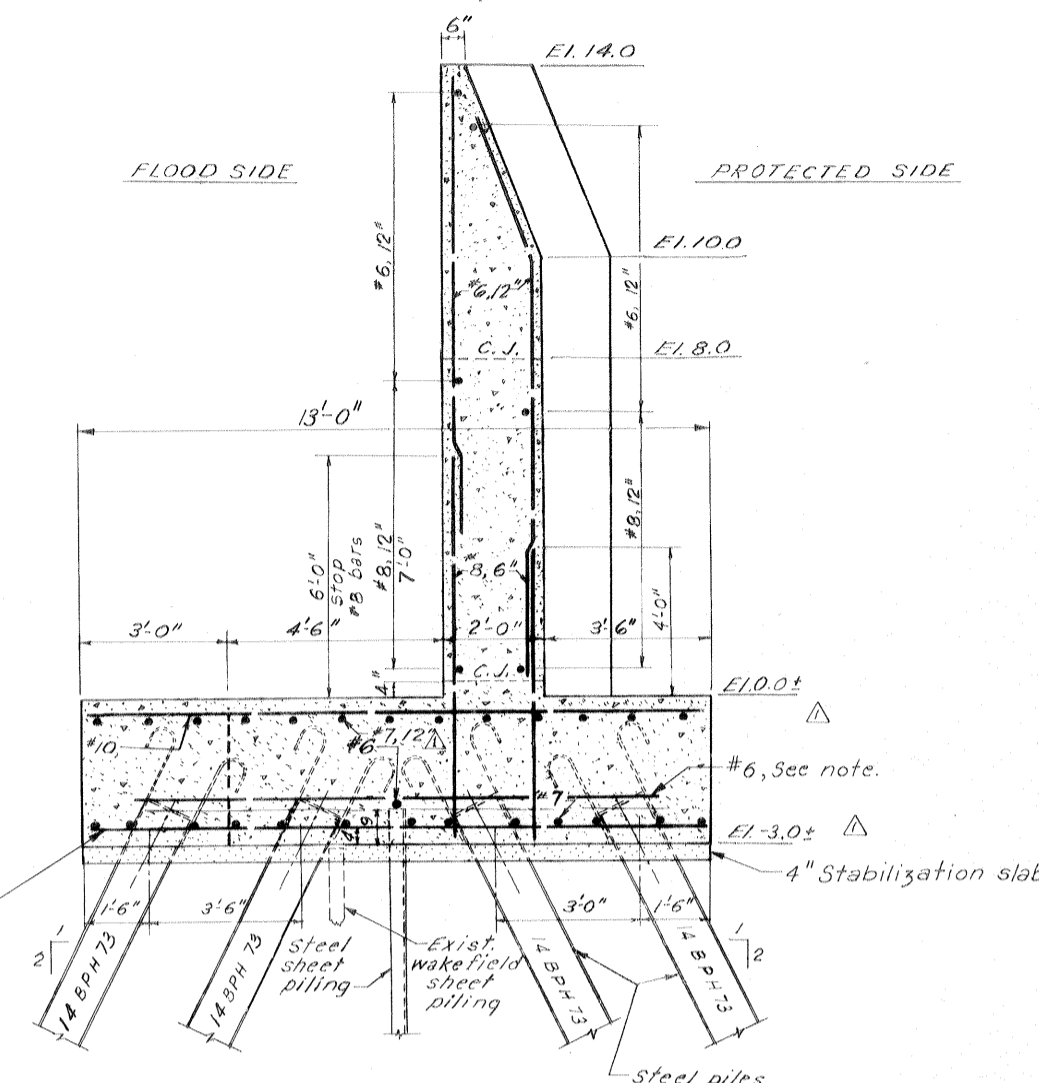
DESIGNED: D.A.M.	DRAWN: C.E.M.	CHECKED: T.F.P.	CODE IDENT. NO.:	SIZE:	FILE NO.:	BY:
H-4-24822						EJM/AEF
DATE: MARCH 1970		SCALE SHOWN:		SPEC. NO. DACW29-70-B-0137		DWG. NO. 34 OF 51



SECTION A-A
Scale 1/2" = 1'-0"

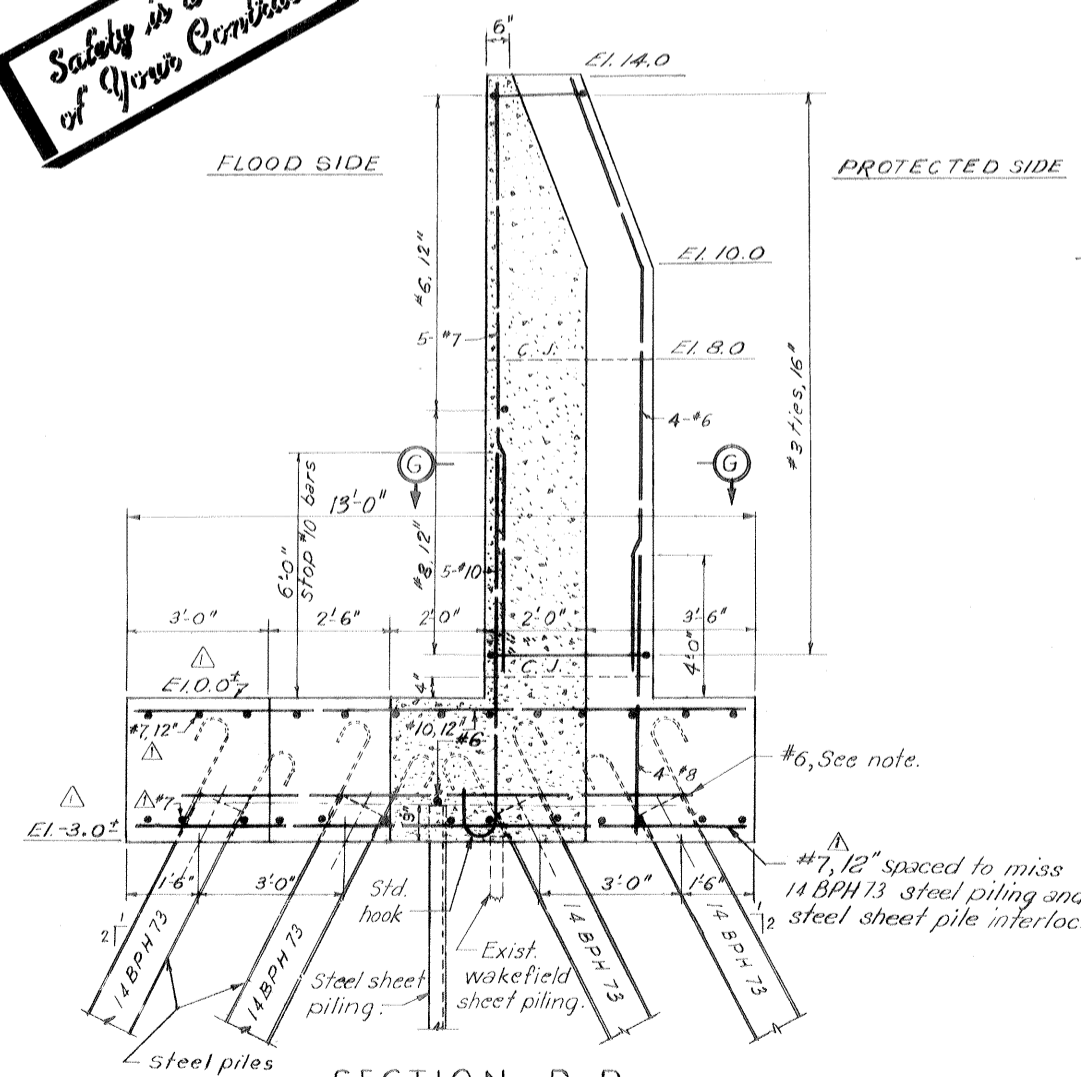


SECTION B-B
Scale 1/2" = 1'-0"

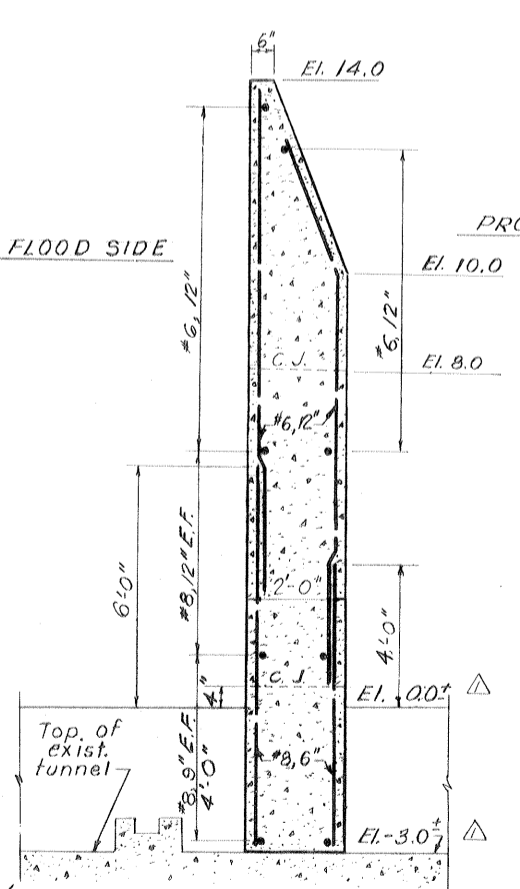


SECTION C-C
Scale 1/2" = 1'-0"

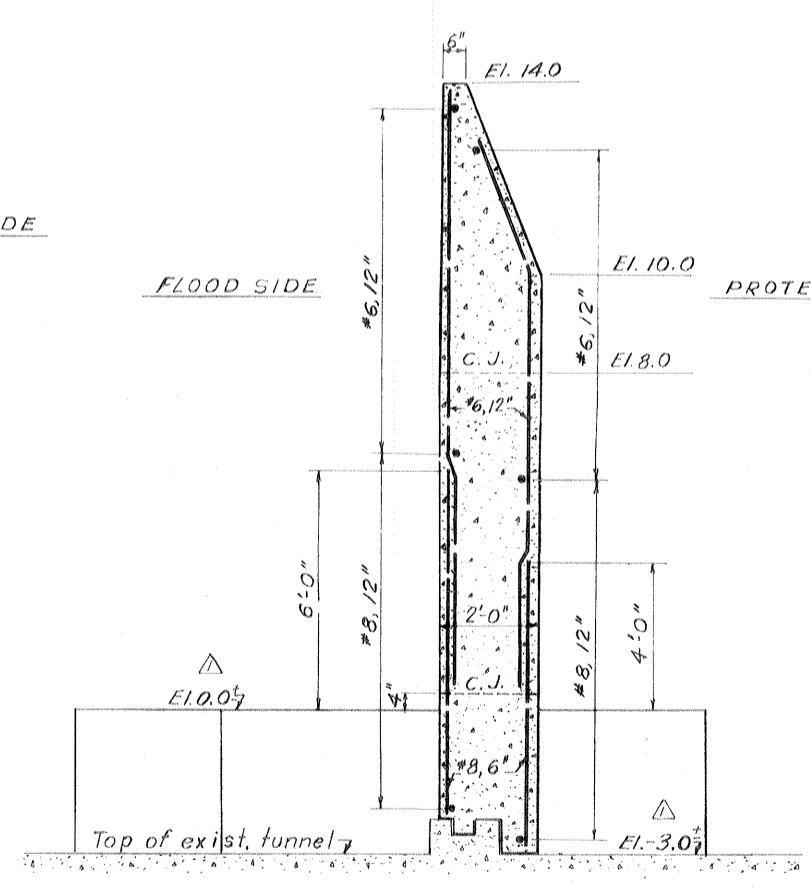
Safety is a Part of Your Contract



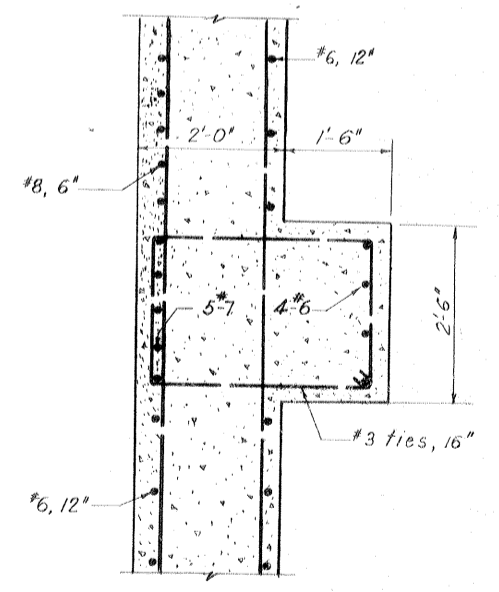
SECTION D-D
Scale 1/2" = 1'-0"



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



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



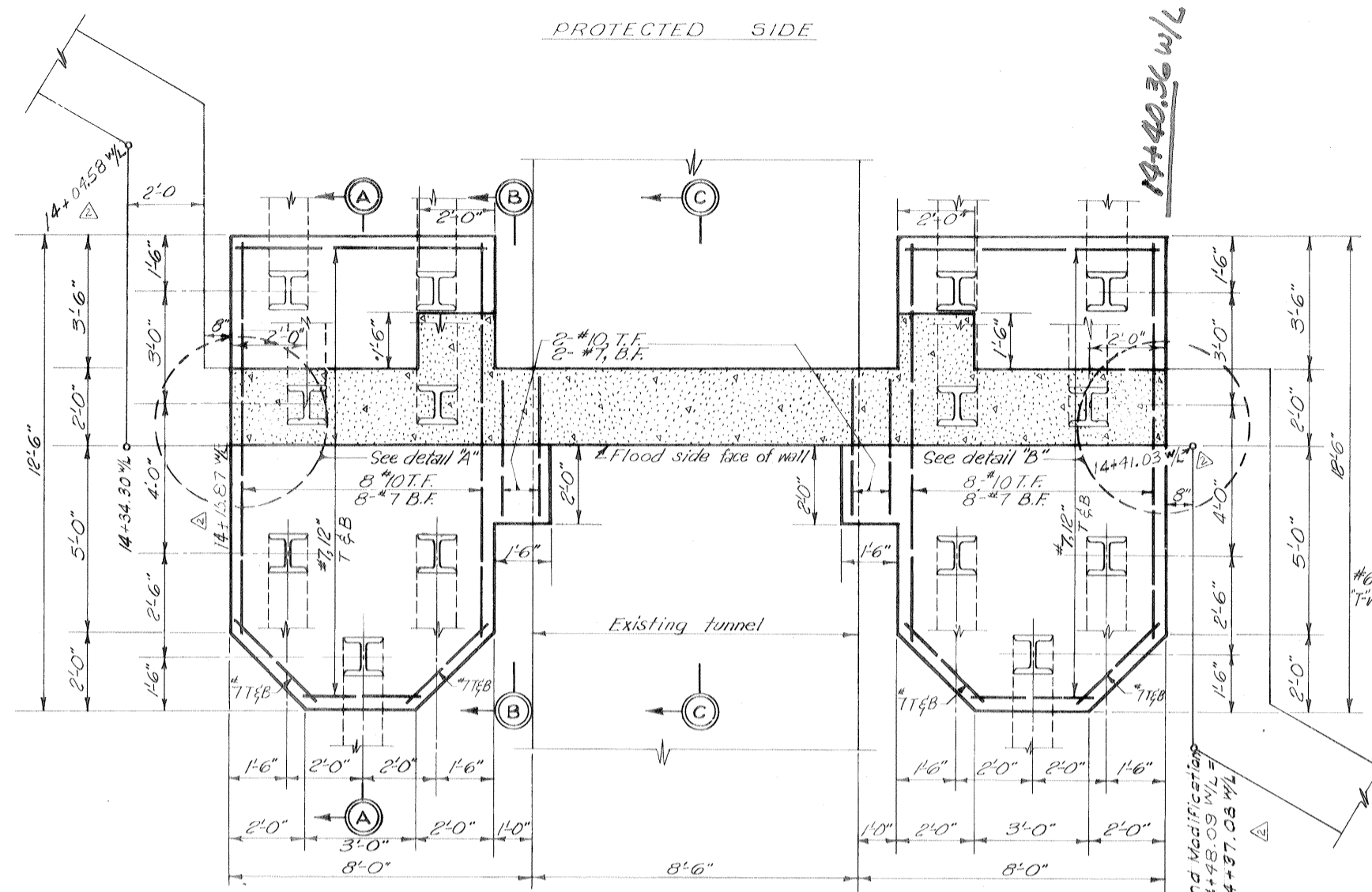
SECTION G-G
Scale 3/4" = 1'-0"

THIS PLAN ACCOMPANIES MODIFICATION P006 TO CONTRACT NO. DACW29-70-C-0206

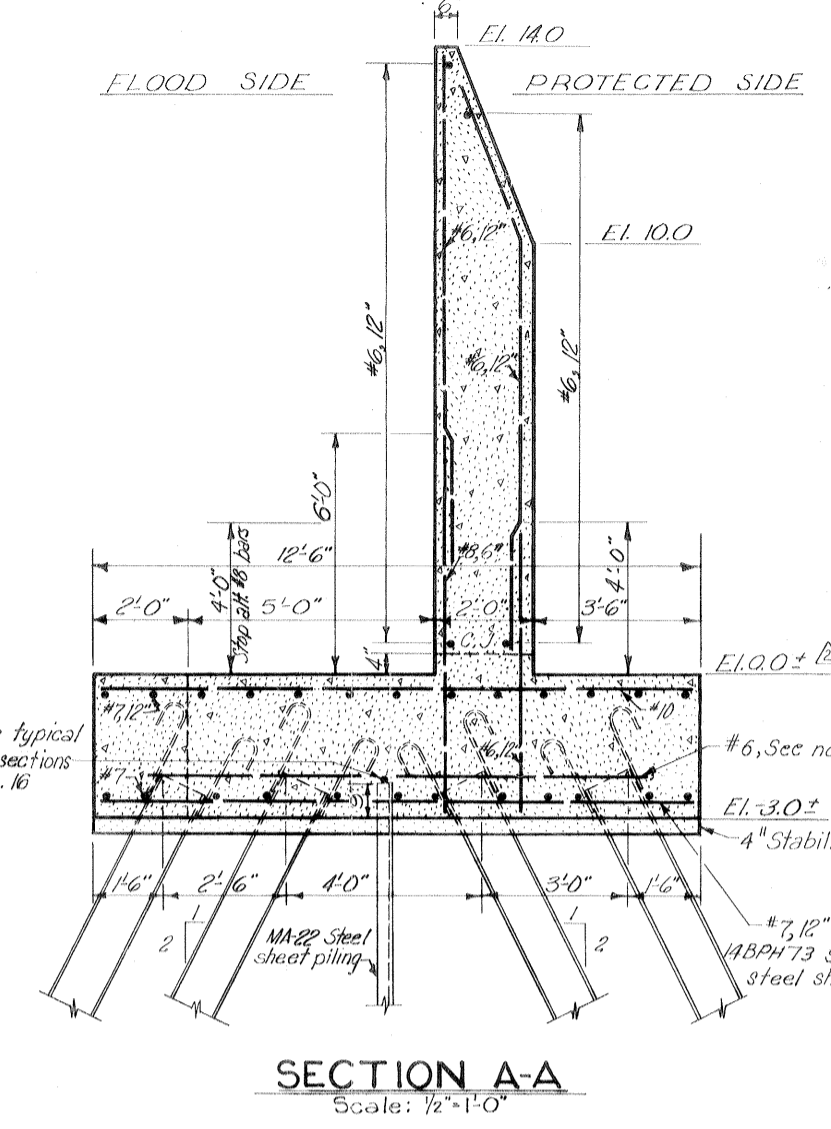
Note:
For locations of sections, see dwg. 3A
For strap details on 14 BPH 73 piles, see dwg. 3A
Steel bearing piling shall be electrically bonded to the steel sheet piling with a #6 reinf. bar welded to bearing piling and sheet piling.

WALL MONOLITH AT NOBLE INTAKE AND DISCHARGE STRUCTURE

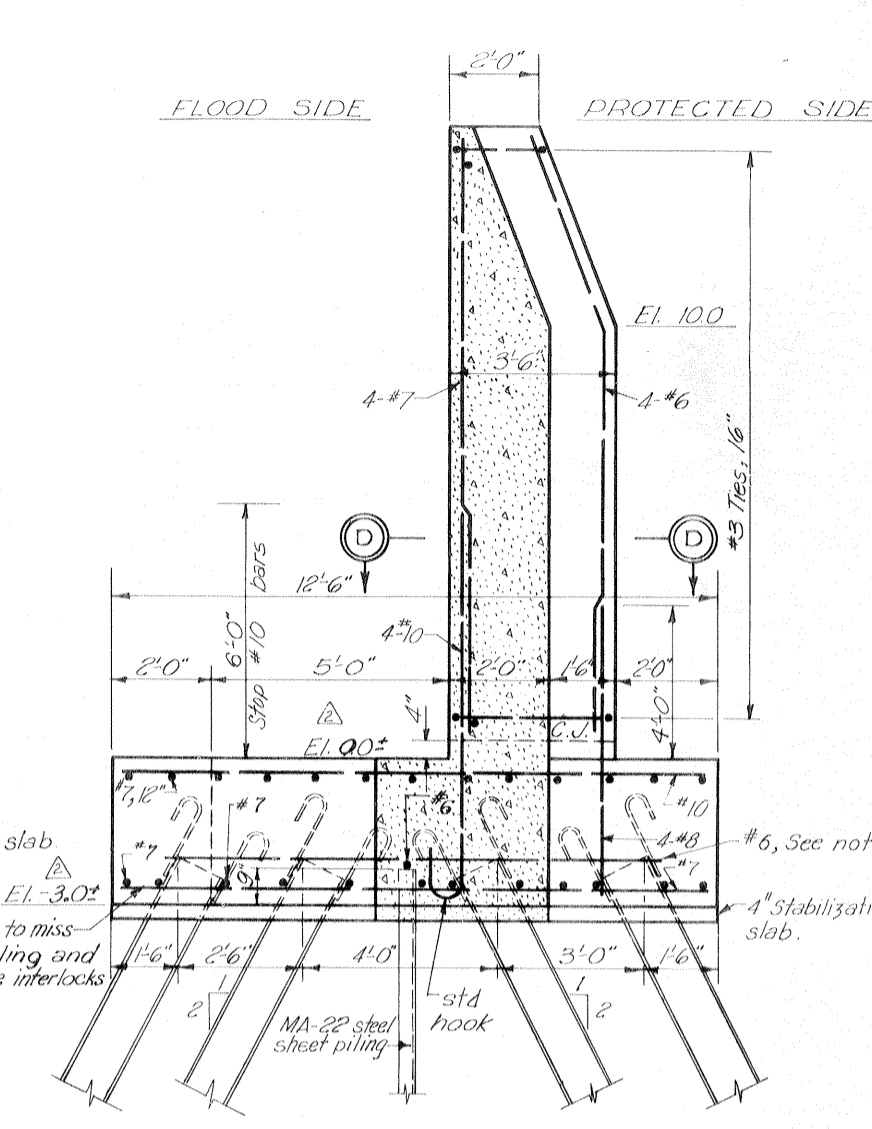
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.	SIZE	FILE NO.	BY
D.A.M.	E.J.C.	H.L.B.				
DATE: MARCH 1970						SCALE: SHOWN
SPEC. NO. DACW2970-B-0137						DWG. NO. 35 OF 51
IHCN, EAST LEVEE - DWYER ROAD TO U.S. HWY. 90						



PLAN
Scale: 1/2"=1'-0"

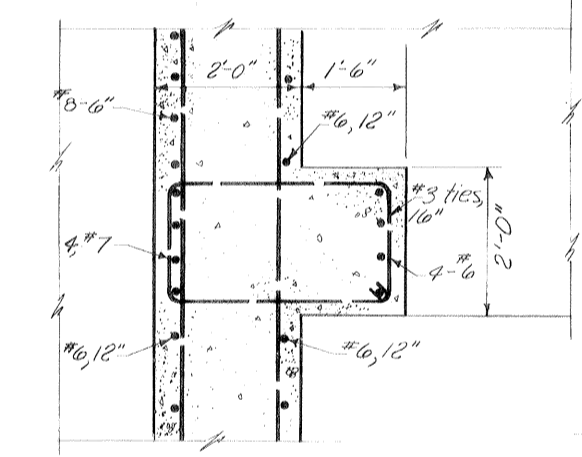


SECTION A-A
Scale: 1/2"=1'-0"

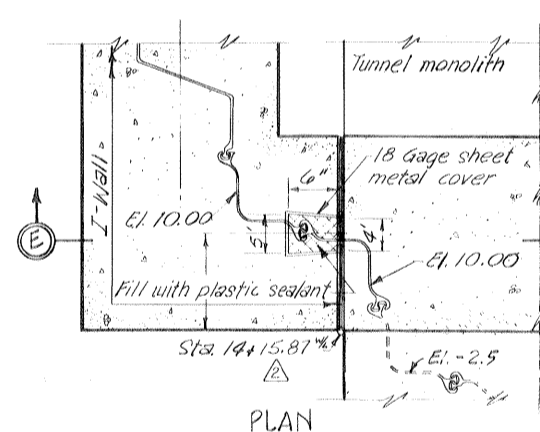


SECTION B-B
Scale: 1/2"=1'-0"

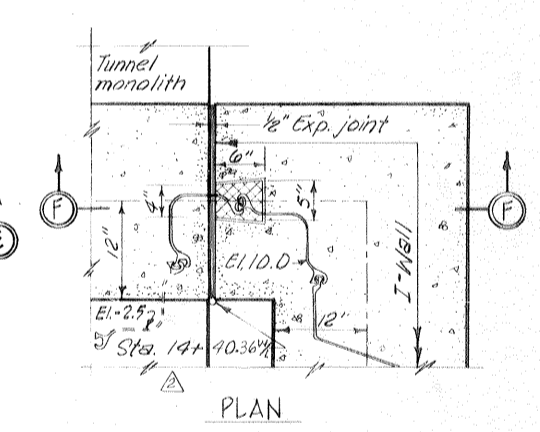
Safety is a Part of Your Contract



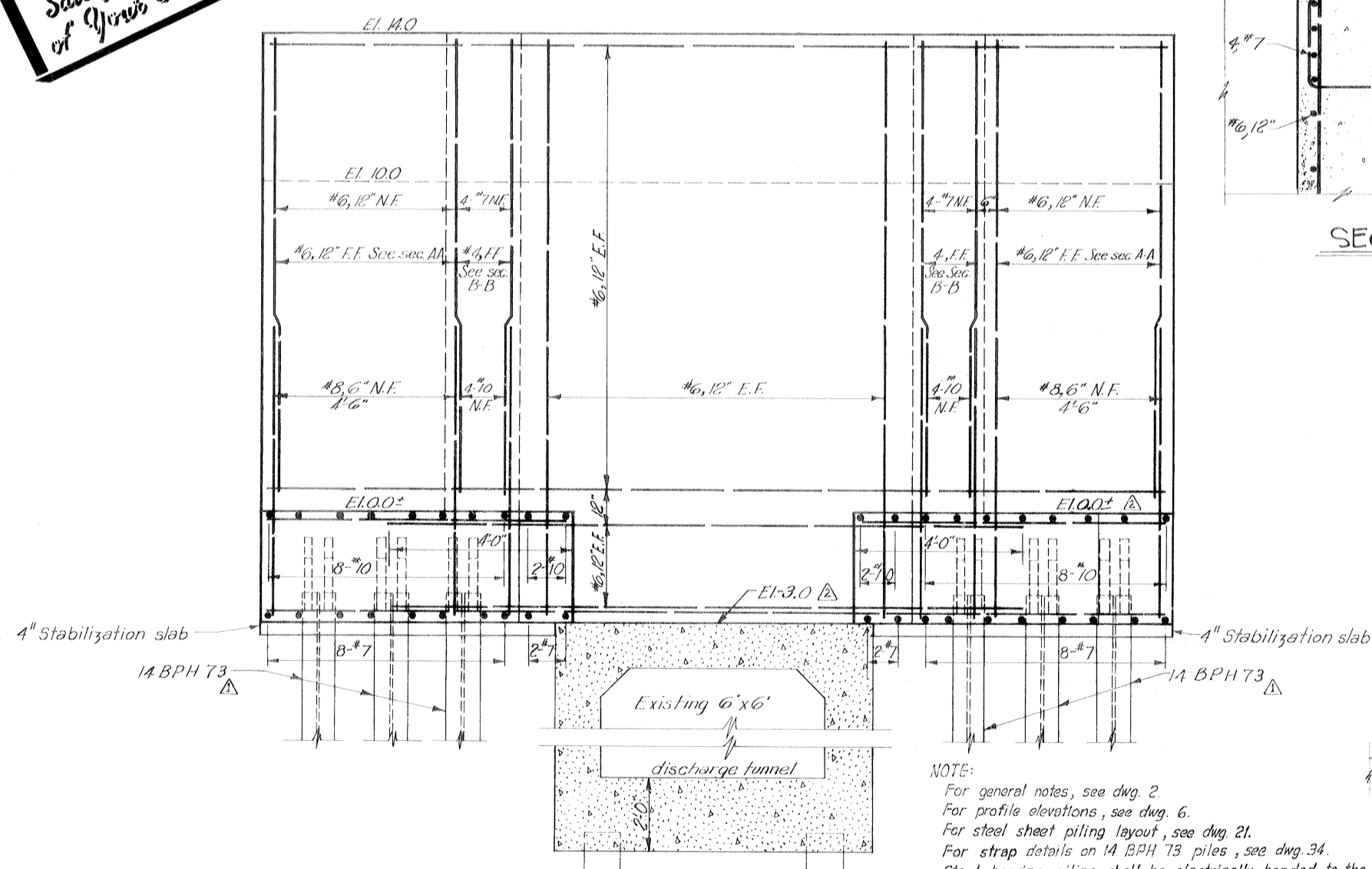
SECTION D-D
Scale: 3/4"=1'-0"



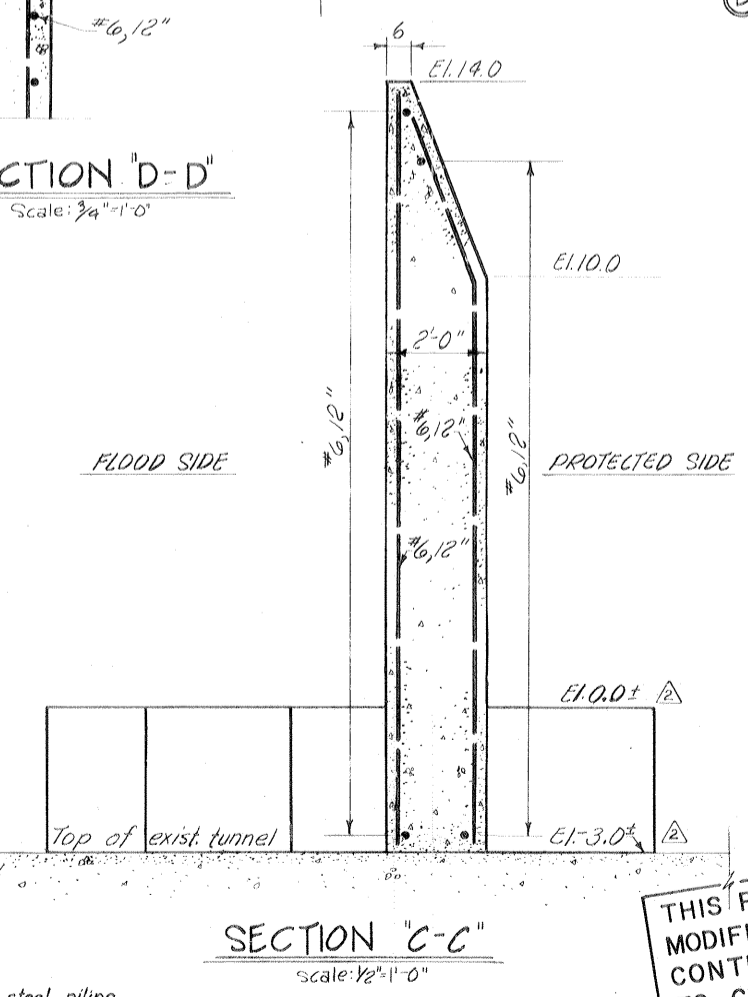
PLAN



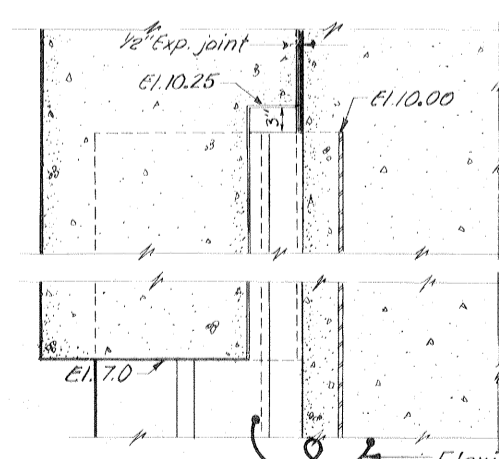
PLAN



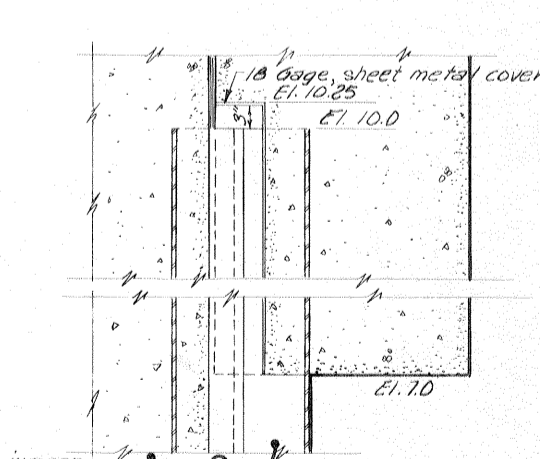
FLOOD SIDE ELEVATION
Scale: 1/2"=1'-0"



SECTION C-C
Scale: 1/2"=1'-0"



SECTION E-E
DETAIL "A"
Scale: 1"=1'-0"



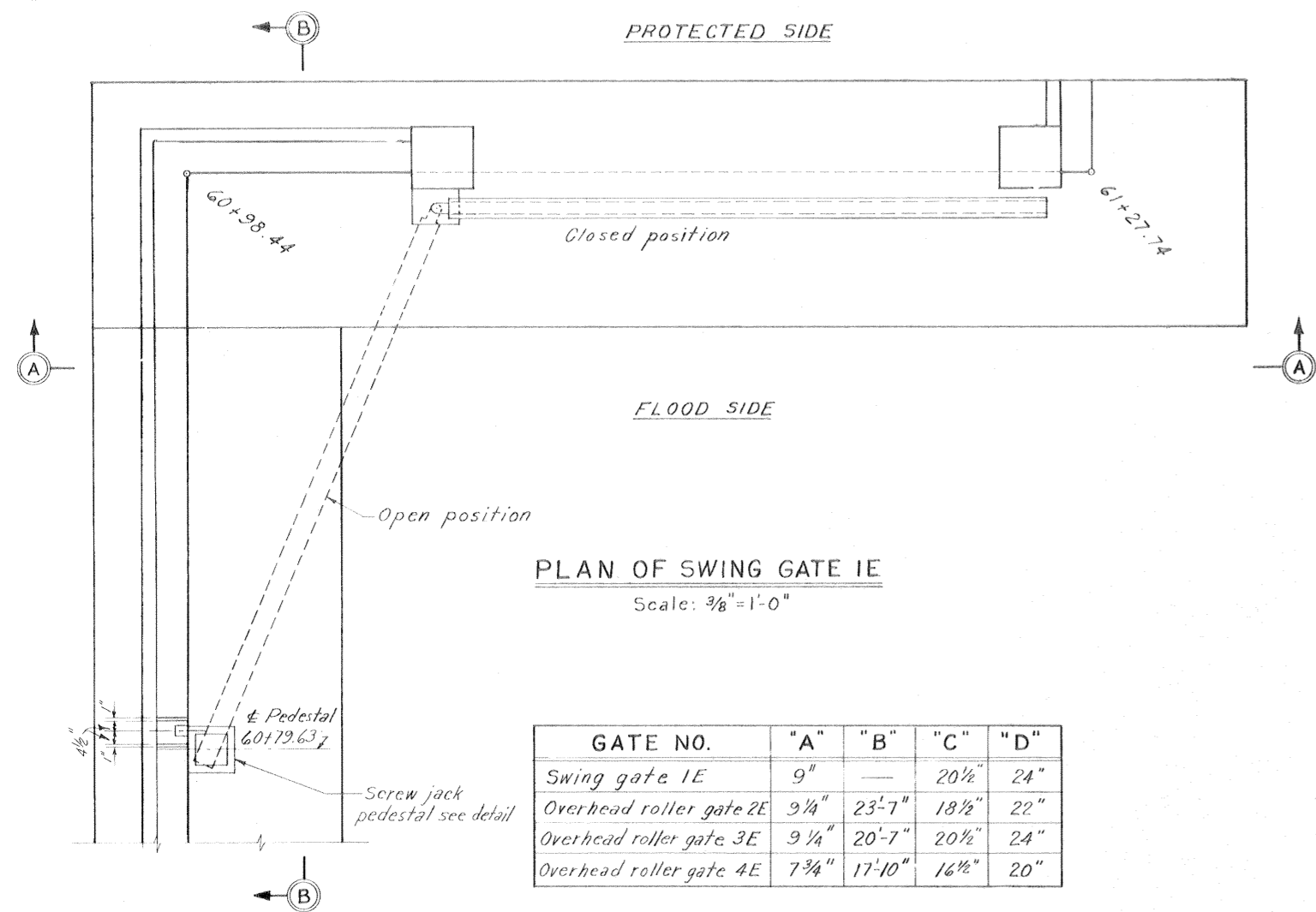
SECTION F-F
DETAIL "B"
Scale: 1"=1'-0"

NOTE:
For general notes, see dwg. 2.
For profile elevations, see dwg. 6.
For steel sheet piling layout, see dwg. 21.
For strap details on 14 BPH 73 piles, see dwg. 34.
Steel bearing piling shall be electrically banded to the steel piling with a #6 reinf. bar welded to bearing piling and sheet piling.

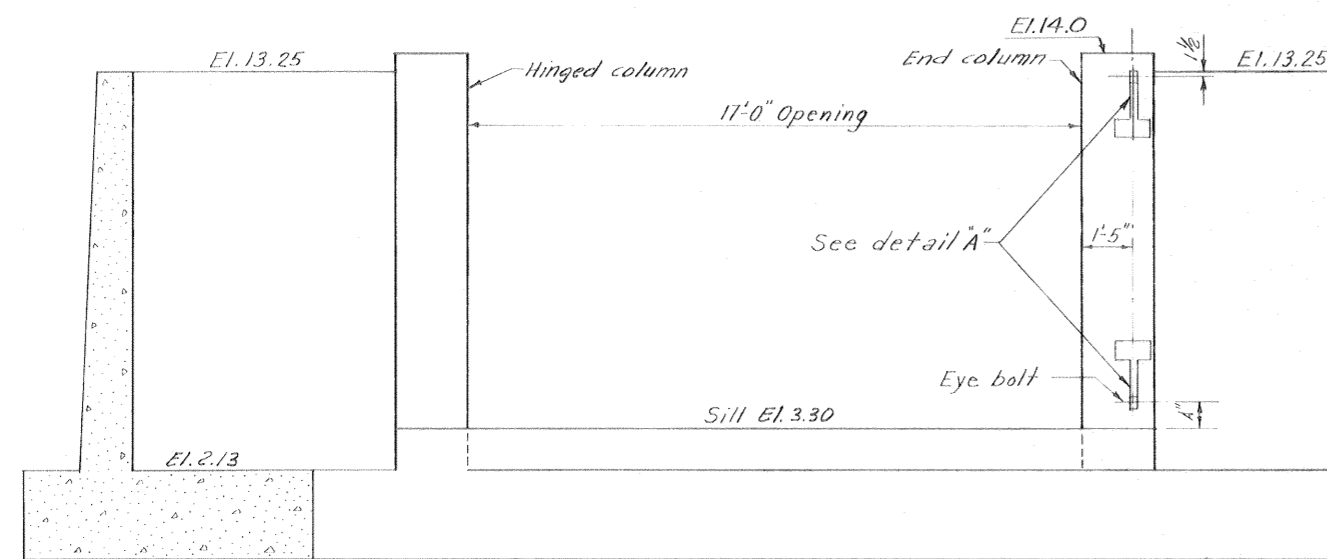
THIS PLAN ACCOMPANIES MODIFICATION PO06 TO CONTRACT NO. DACW29-70-C-0206

WALL MONOLITH AT NPSI DISCHARGE STRUCTURE

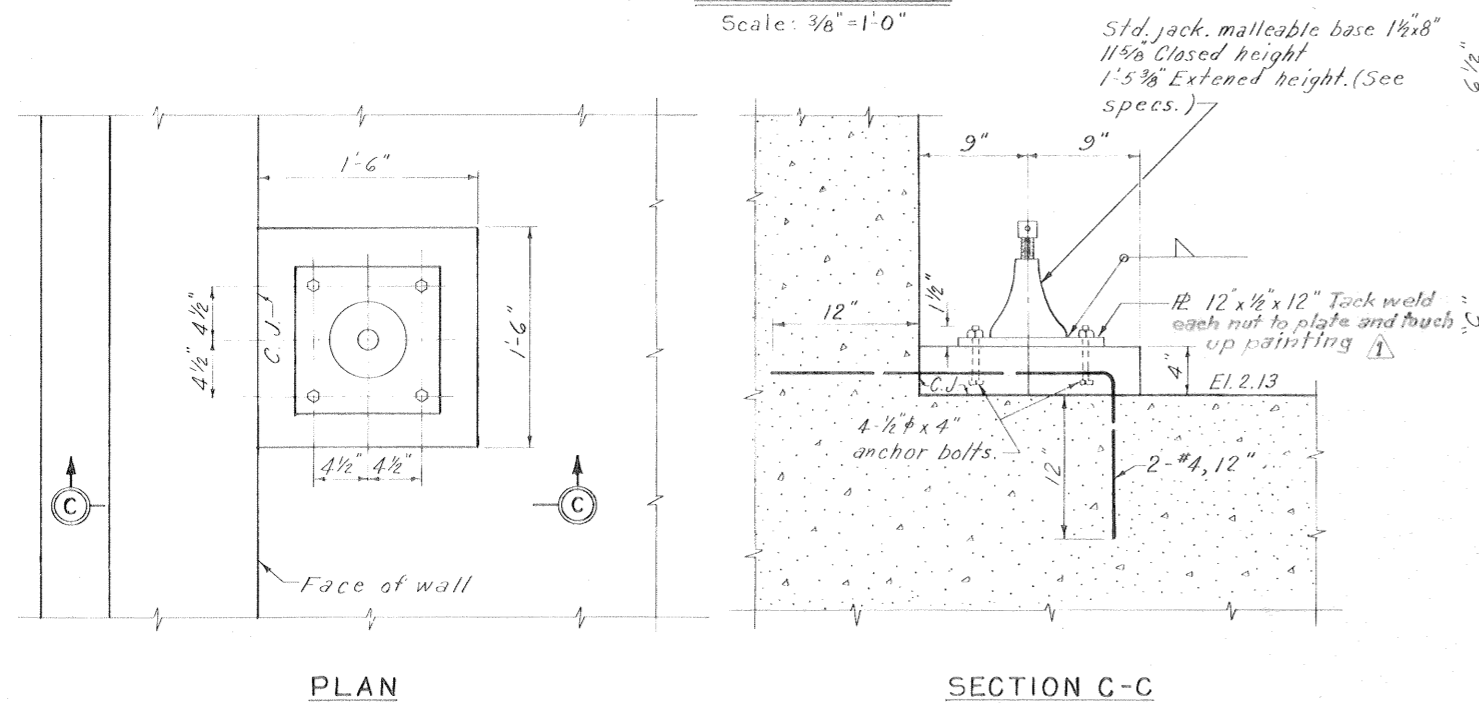
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY
D.A.M.	B.H.D.	E.J.M.				
DATE: MARCH 1970						SCALE: SHOWN
SPEC. NO. DACW29-70-B-0137						DWG. NO. 36 OF 51



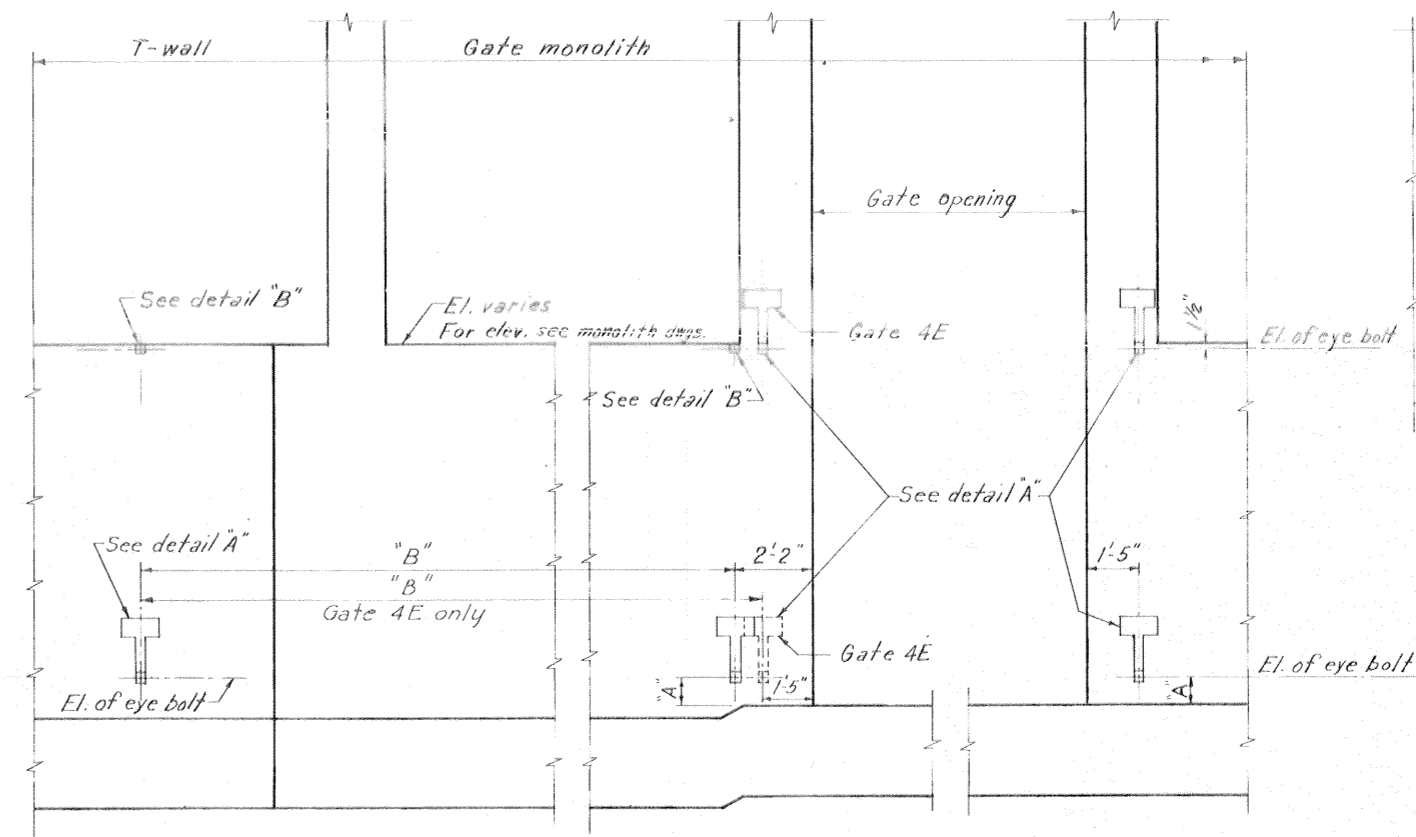
GATE NO.	"A"	"B"	"C"	"D"
Swing gate 1E	9"	—	20 1/2"	24"
Overhead roller gate 2E	9 1/4"	23'-7"	18 1/2"	22"
Overhead roller gate 3E	9 1/4"	20'-7"	20 1/2"	24"
Overhead roller gate 4E	7 3/4"	17'-10"	16 1/2"	20"



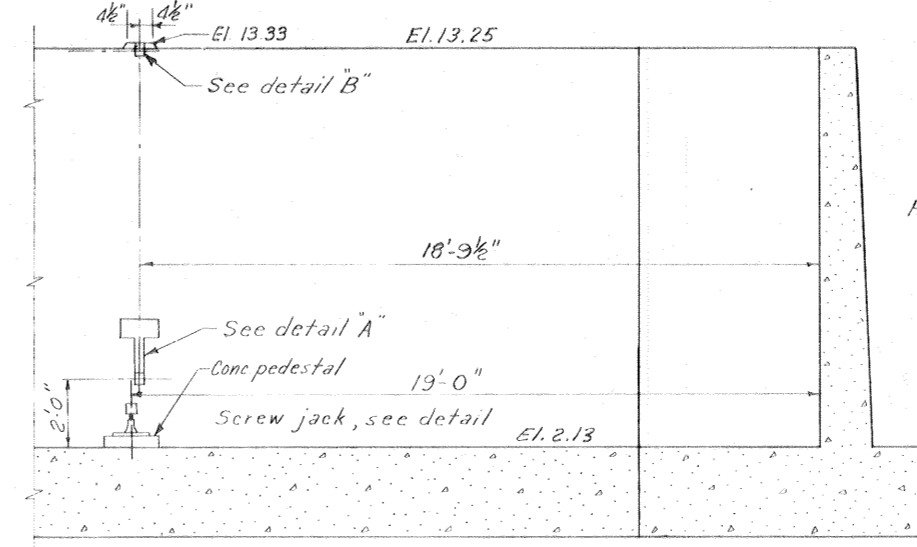
SECTION A-A
Scale: 3/8" = 1'-0"



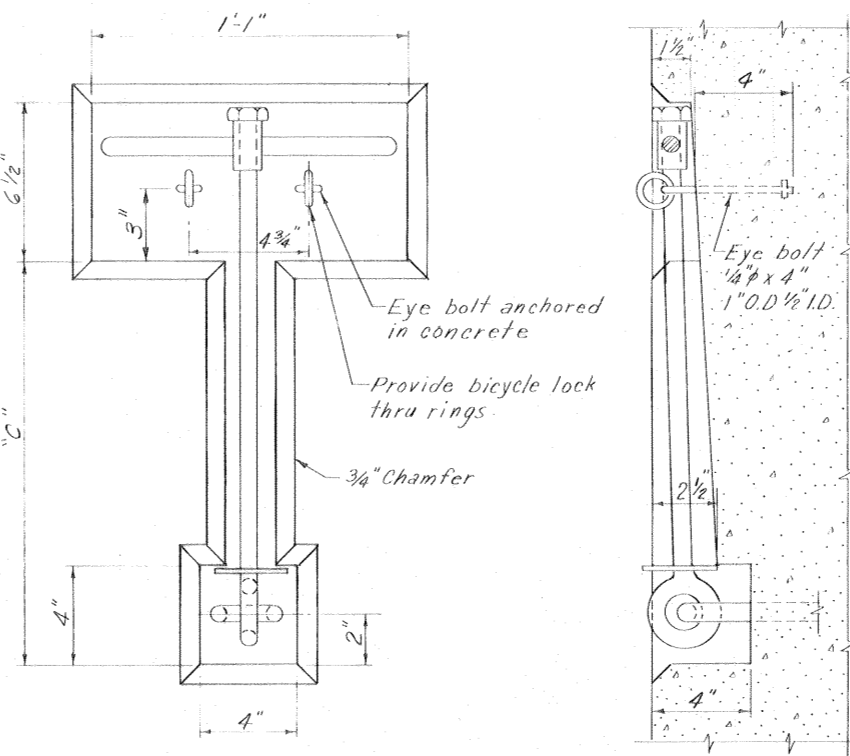
SCREW JACK AND PEDESTAL
Scale: 1/2" = 1'-0"



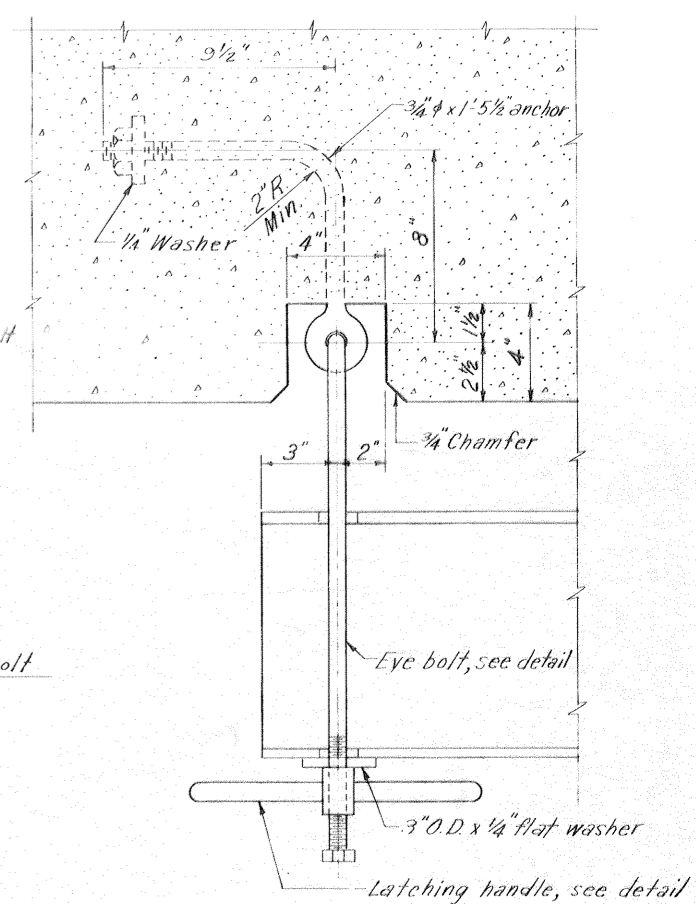
FLOOD SIDE ELEVATION OVERHEAD ROLLER GATE 2E AND 4E
GATE 3E OPPOSITE HAND
Scale: 3/8" = 1'-0"



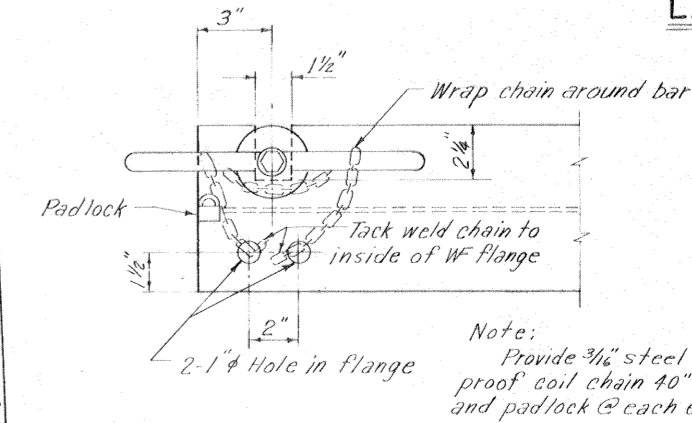
SECTION B-B
Scale: 3/8" = 1'-0"



DETAIL "A"
Scale: 3" = 1'-0"

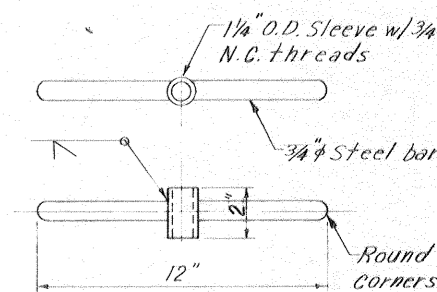


LATCHING ASSEMBLY
Scale: 3" = 1'-0"



END OF GATE WFS

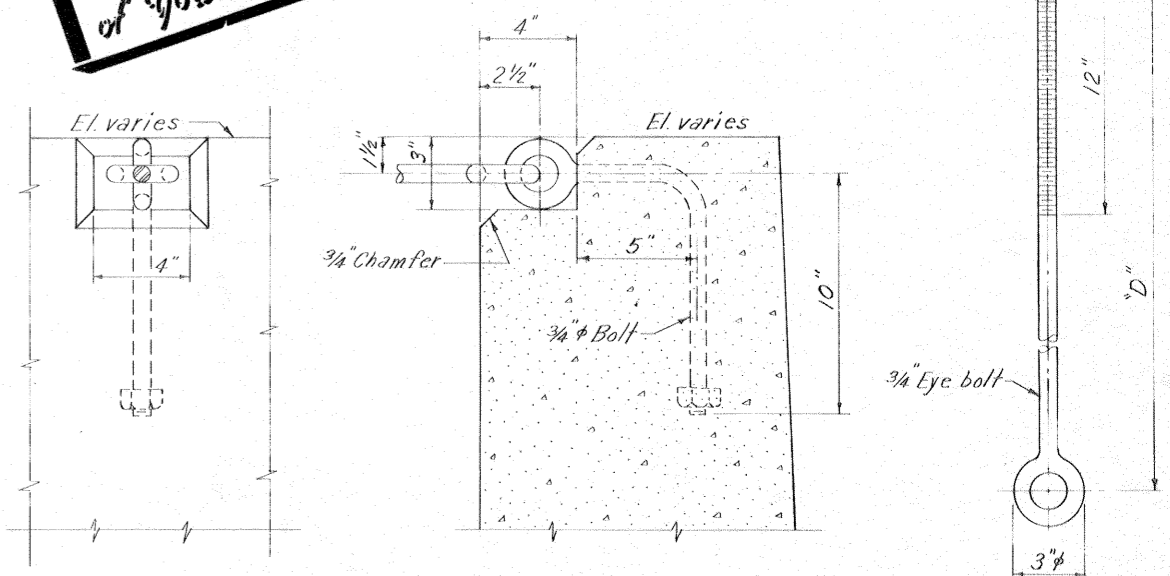
Note: Provide 3/4" steel proof coil chain 40" long and padlock @ each end of Wfs



LATCHING HANDLE

Scale: 3" = 1'-0"

Safety is a Part of Your Contract



TIE DOWN TO T-WALL

DETAIL "B"
Scale: 3" = 1'-0"

EYE BOLT
Scale: 3" = 1'-0"

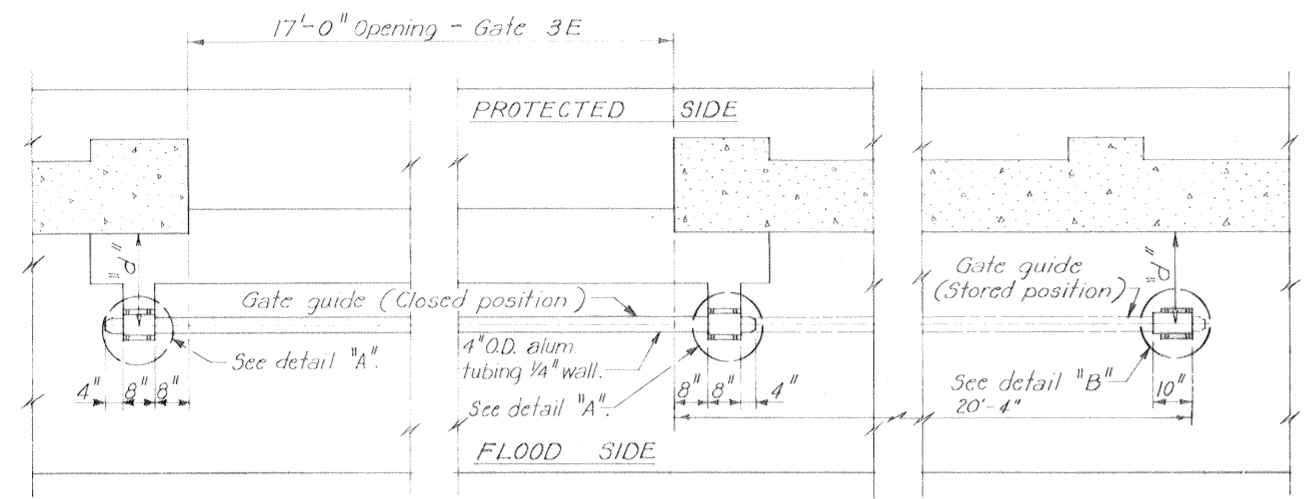
Note: For general notes see dwg. 2

4-8-70 Added note to Section C-C, Amend #1

DESIGNED: T.S.T. DATE: G.P.M. CHECKED: H.L.B. CODE IDENT. NO. SIZE: FILE NO. BY:

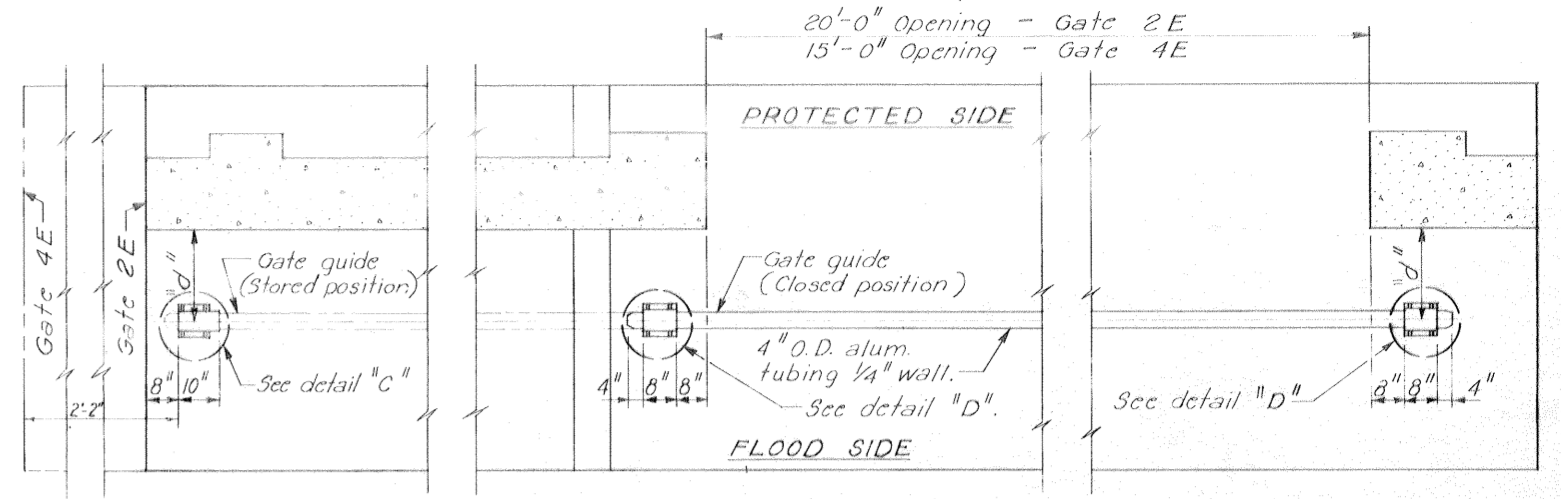
H-4-24822

DATE: MARCH 1970 SCALE SHOWN SPEC. NO. DAC29-70-B-0137 DWG. NO. 38 OF 51

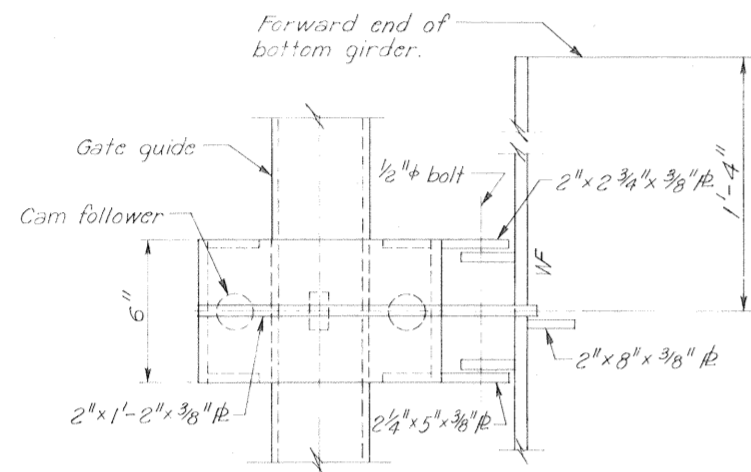


PLAN OF GATE 3E
Scale: 1/2" = 1'-0"

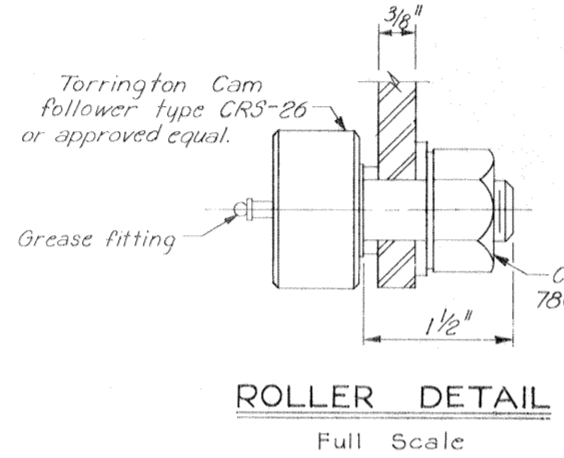
GATE	"d"	LENGTH OF ALUM. TUBE
2E	1'-11 1/4"	23'-4"
3E	2'-0 1/2"	20'-4"
4E	1'-9 1/8"	18'-4"



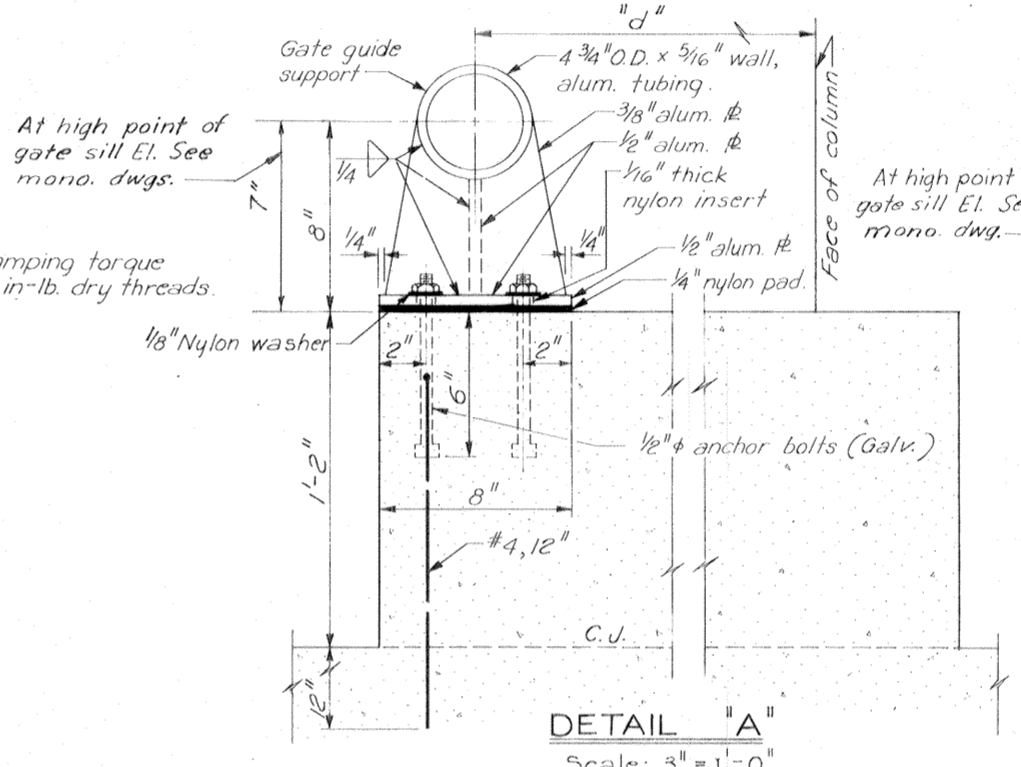
PLAN OF GATES 2E & 4E
Scale: 1/2" = 1'-0"



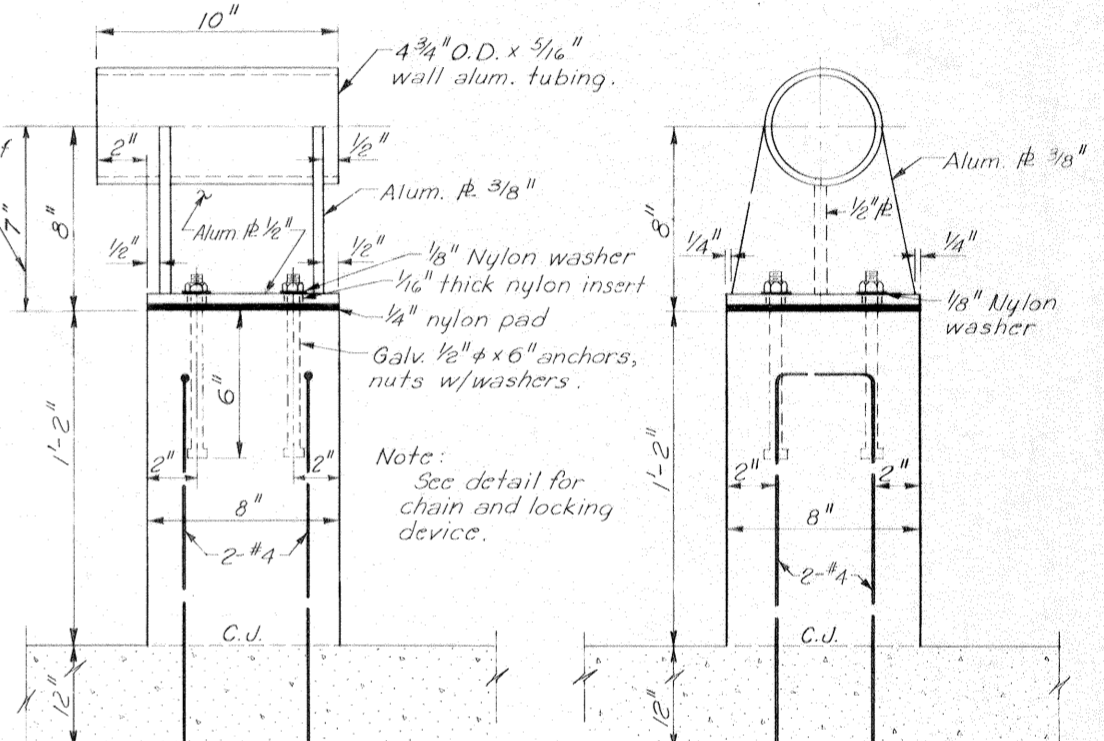
PLAN



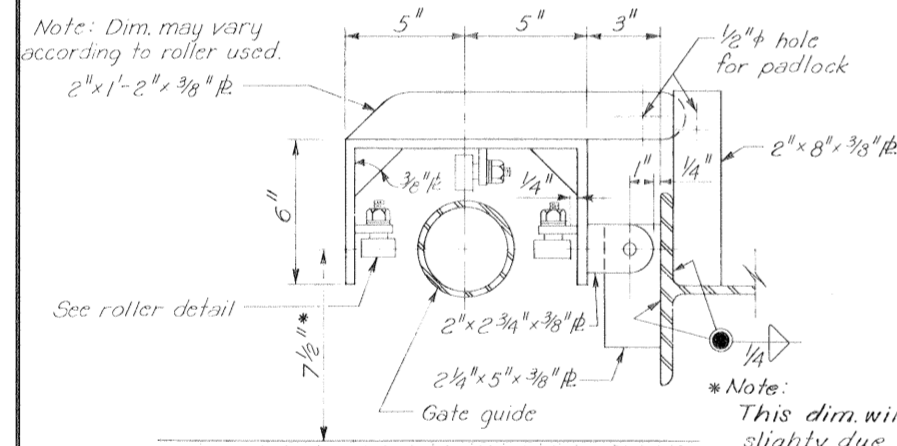
ROLLER DETAIL
Full Scale



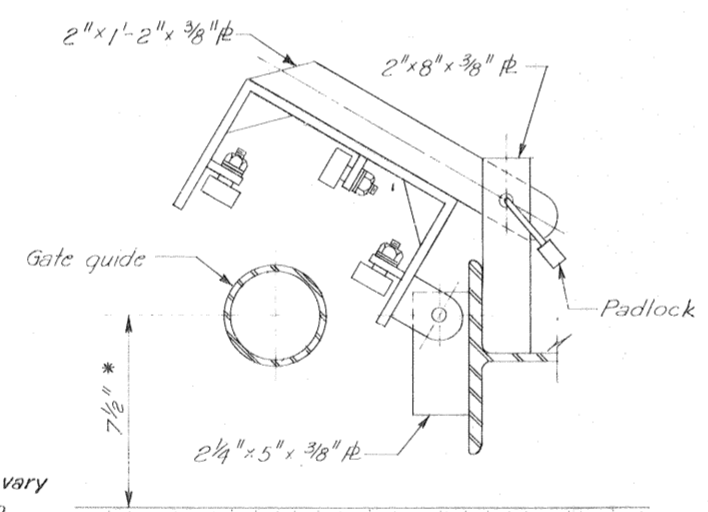
DETAIL "A"
Scale: 3" = 1'-0"



DETAIL "B"
Scale: 3" = 1'-0"

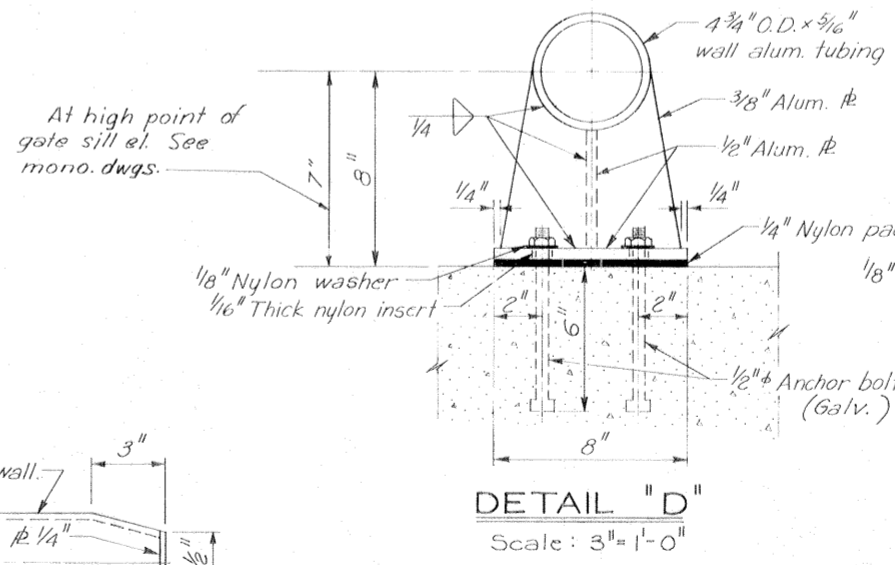


SECTION THRU GATE GUIDE

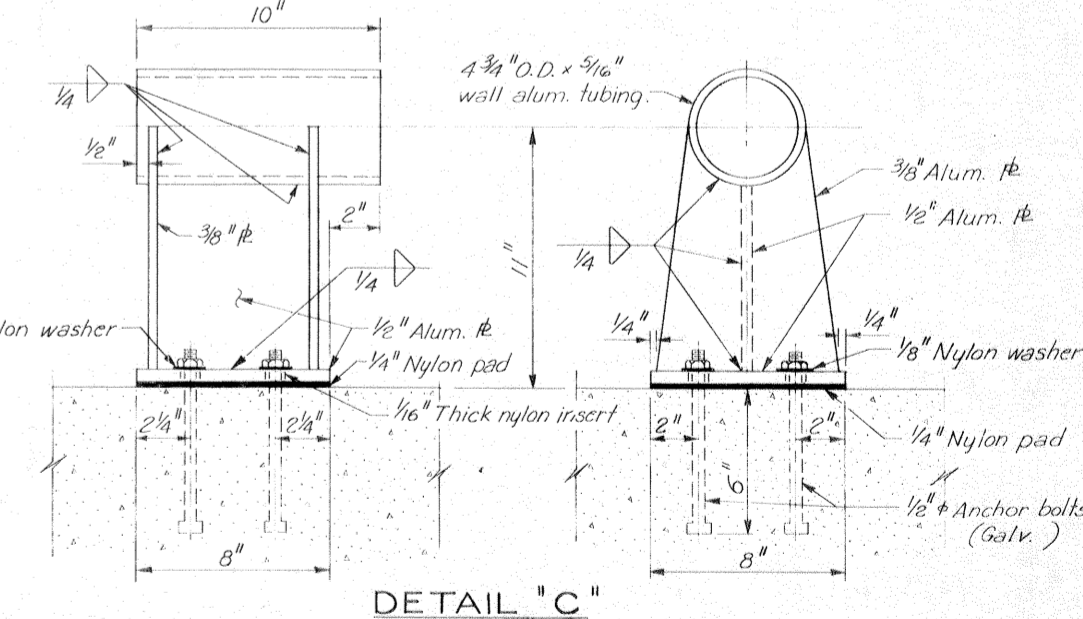


GUIDE IN STORED OR CLOSED POSITION

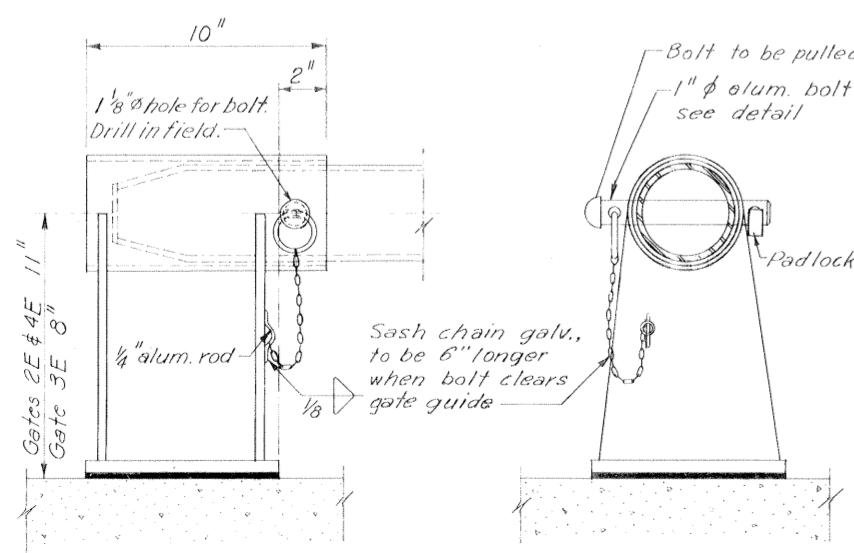
GUIDE ROLLER BRACKET
Scale: 3" = 1'-0"



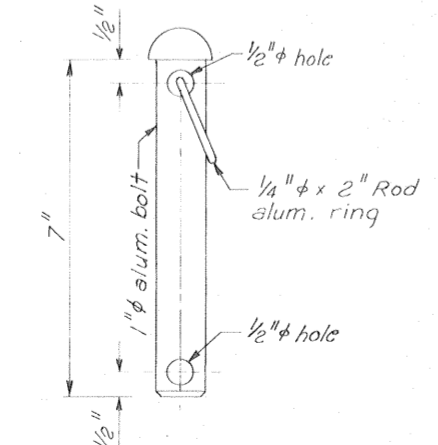
DETAIL "D"
Scale: 3" = 1'-0"



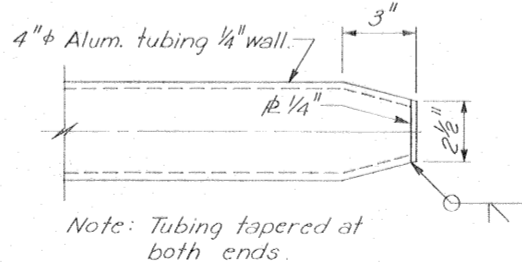
DETAIL "C"
Scale: 3" = 1'-0"



CHAIN AND LOCKING DEVICE
(Gate in stored position. Gate 3E opp. hand.)
Scale: 3" = 1'-0"



ALUMINUM BOLT

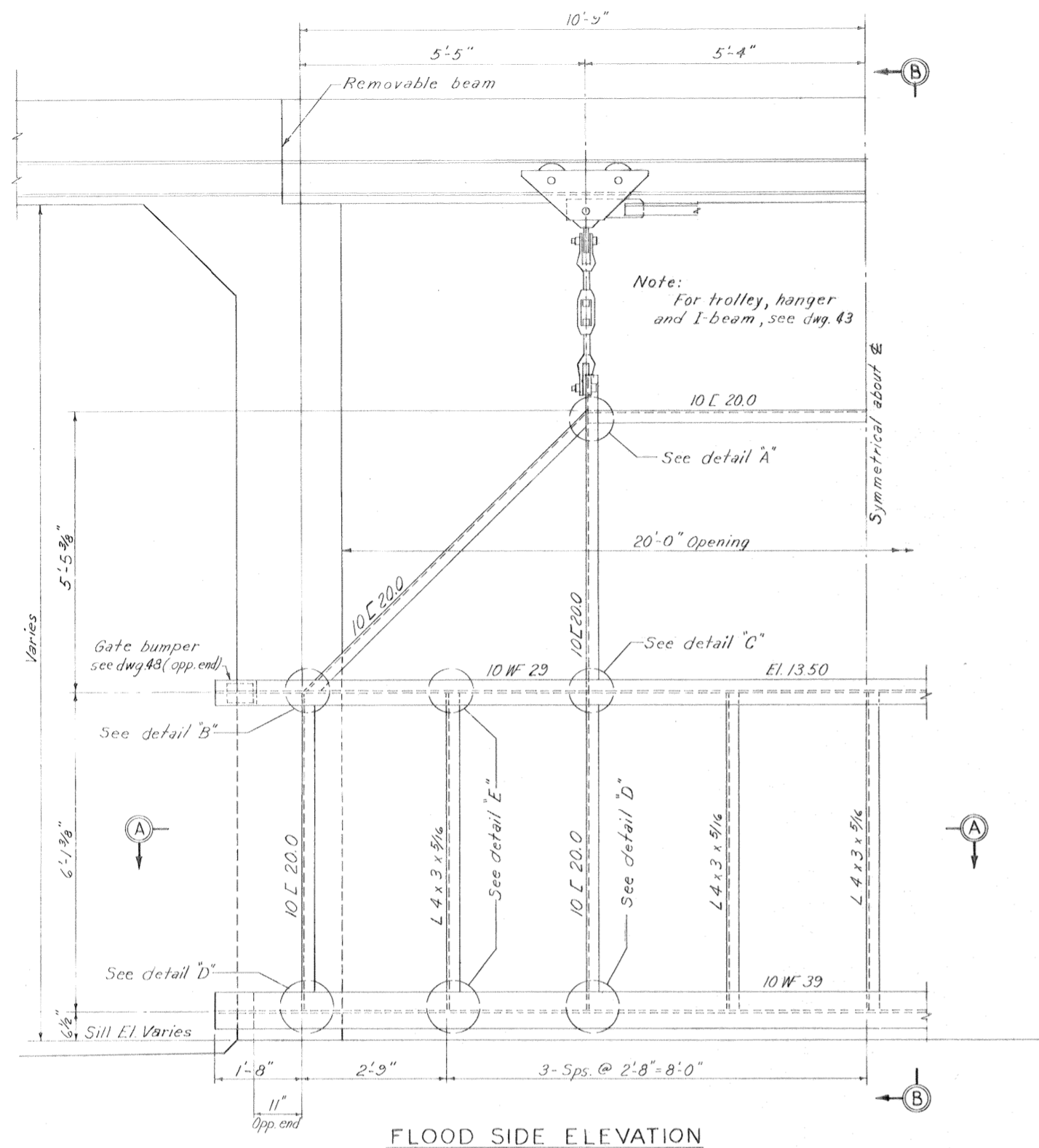


DETAIL OF END TAPER OF TUBING
Scale: 3" = 1'-0"

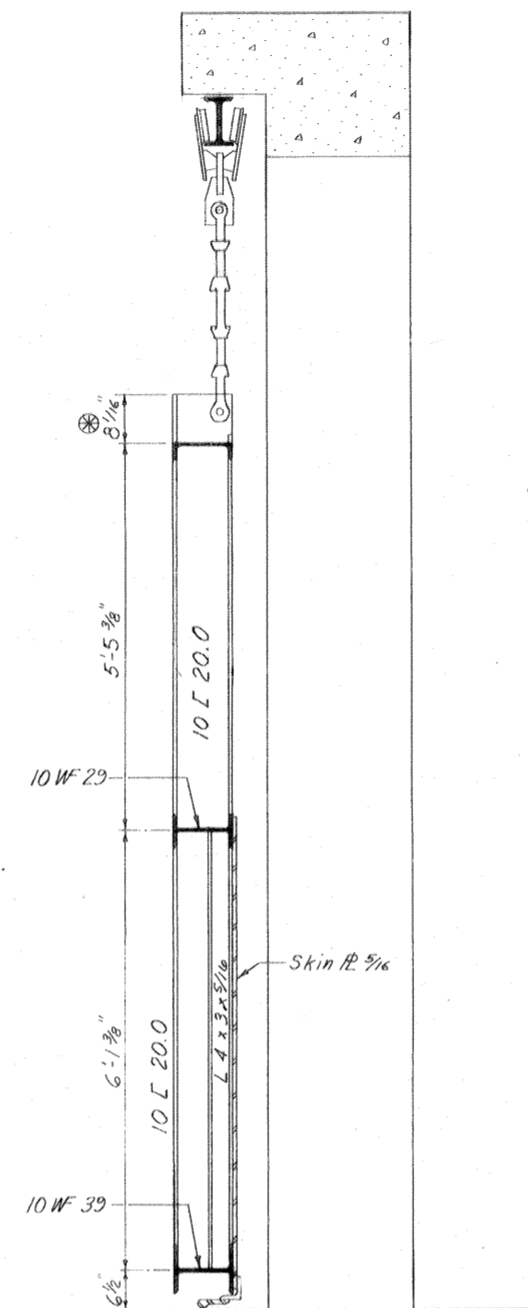
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GATE GUIDES-GATES 2E,3E AND 4E

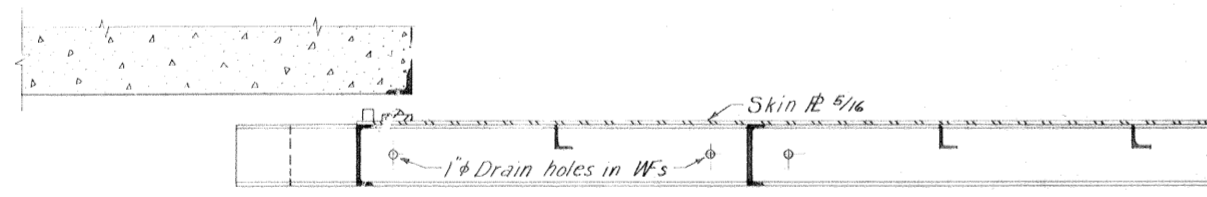
REVISION	DATE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: J.J.P.	CHECKED: E.J.M.	FILE NO.
H-4-24822			
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137
DWG. NO. 39 OF 51			



FLOOD SIDE ELEVATION

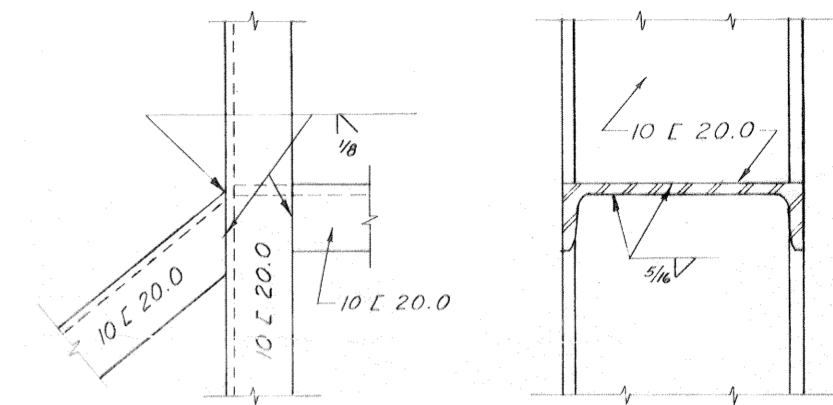


SECTION B-B

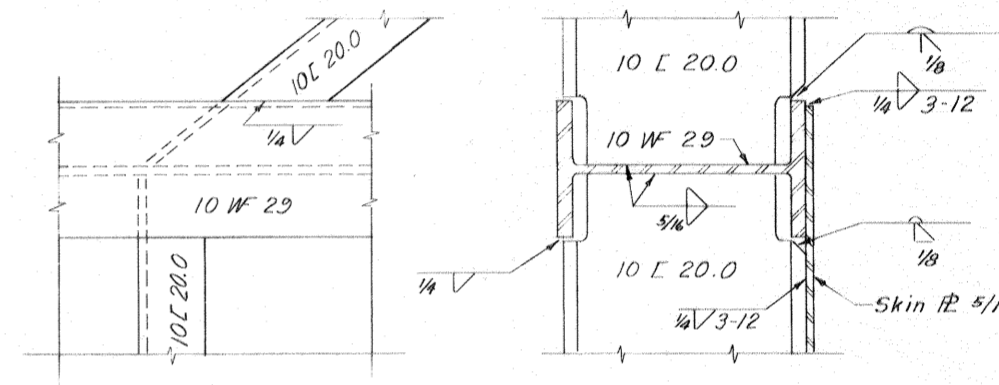


SECTION A-A
Scale 3/4" = 1'-0"

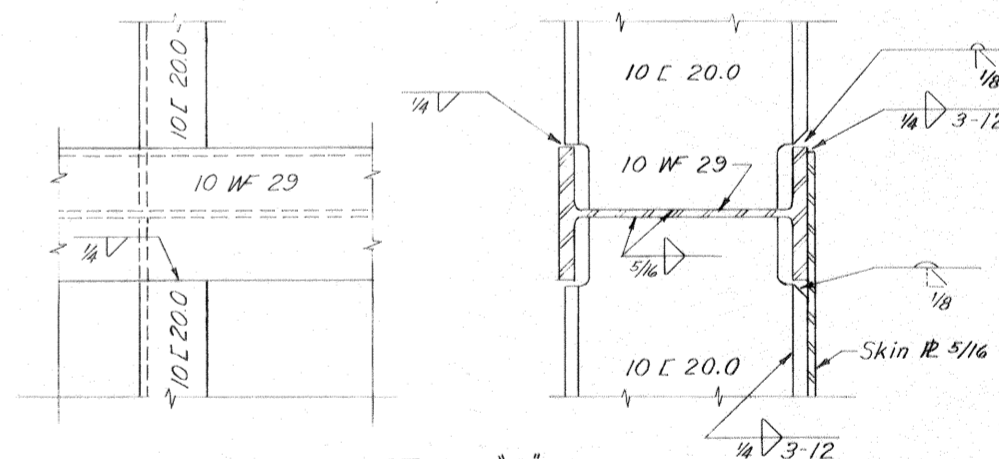
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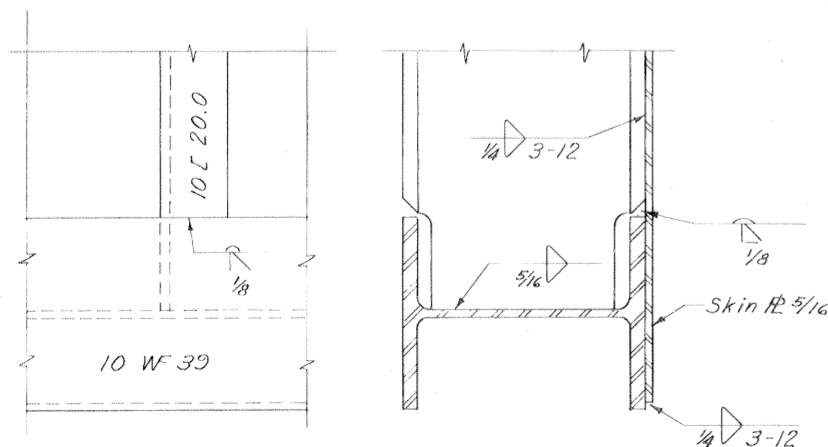
DETAIL A



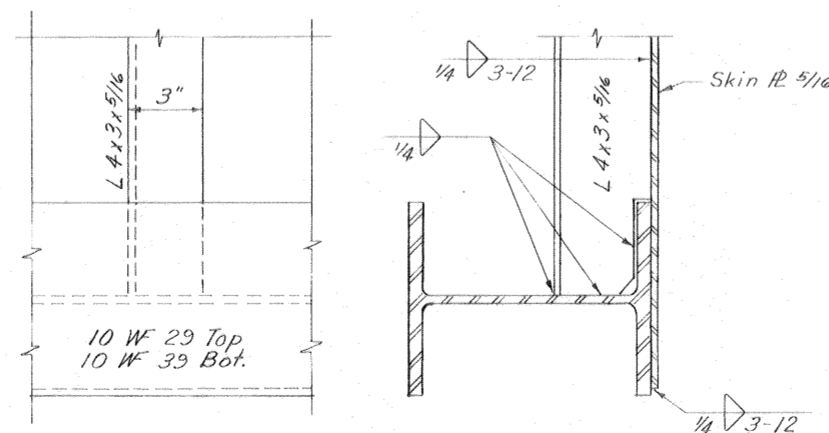
DETAIL B



DETAIL C
Scale: 3" = 1'-0"



DETAIL D

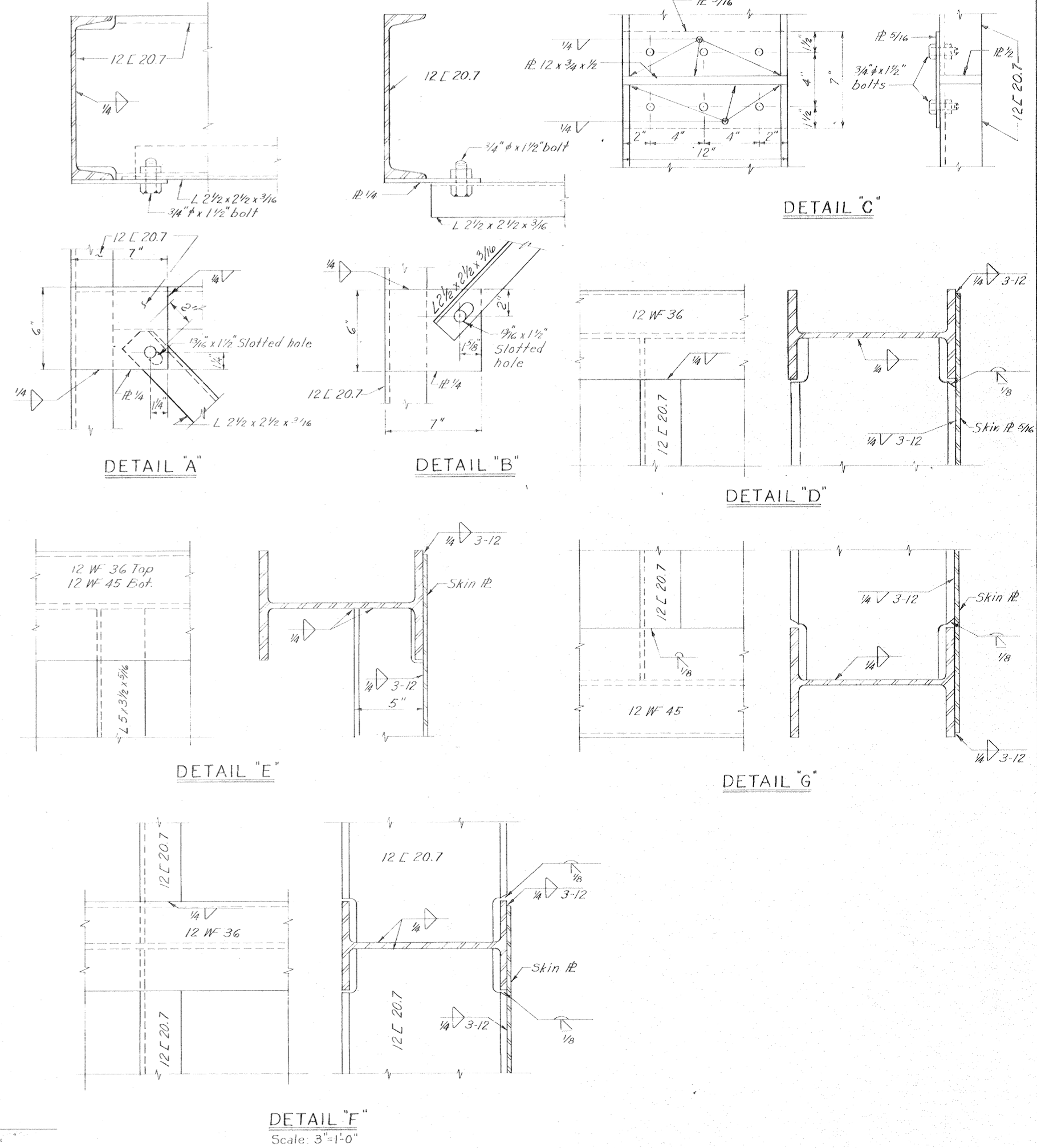
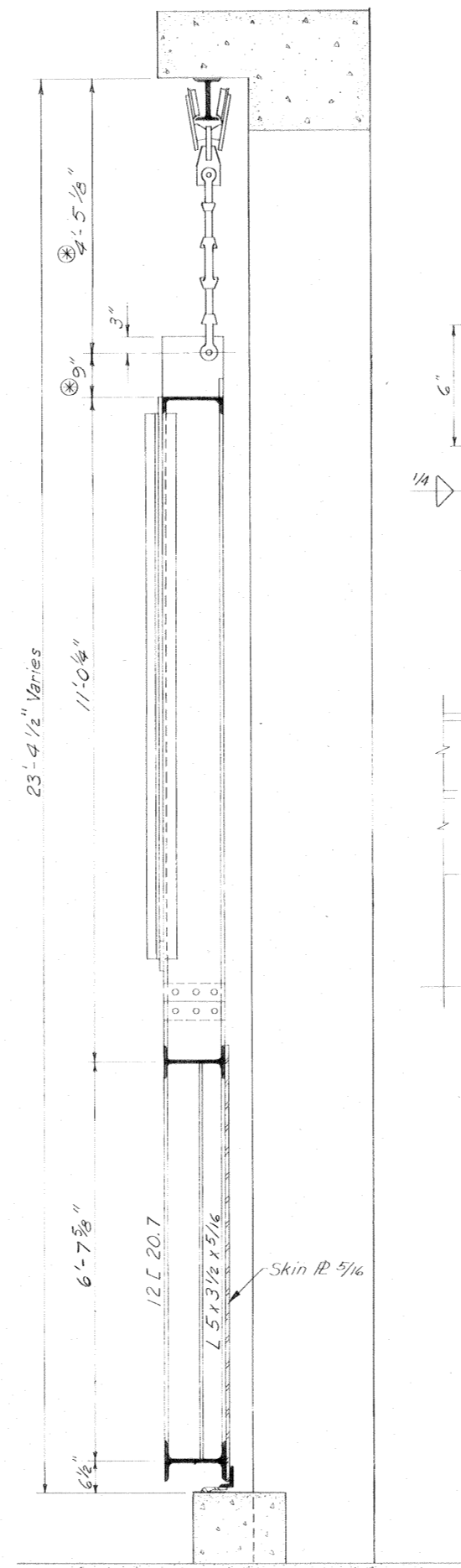
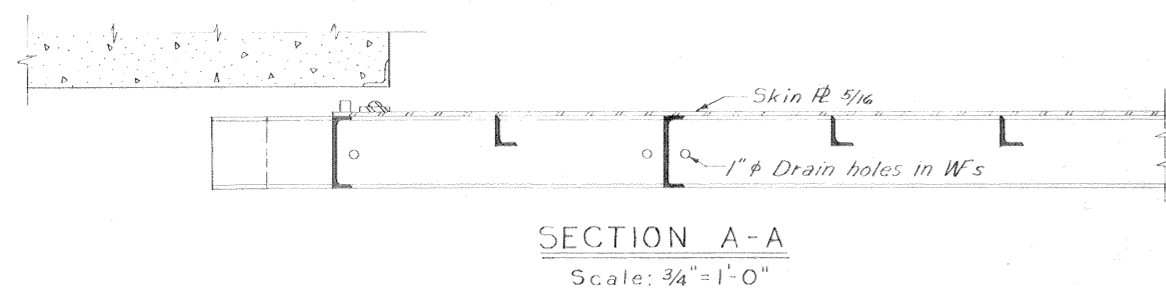
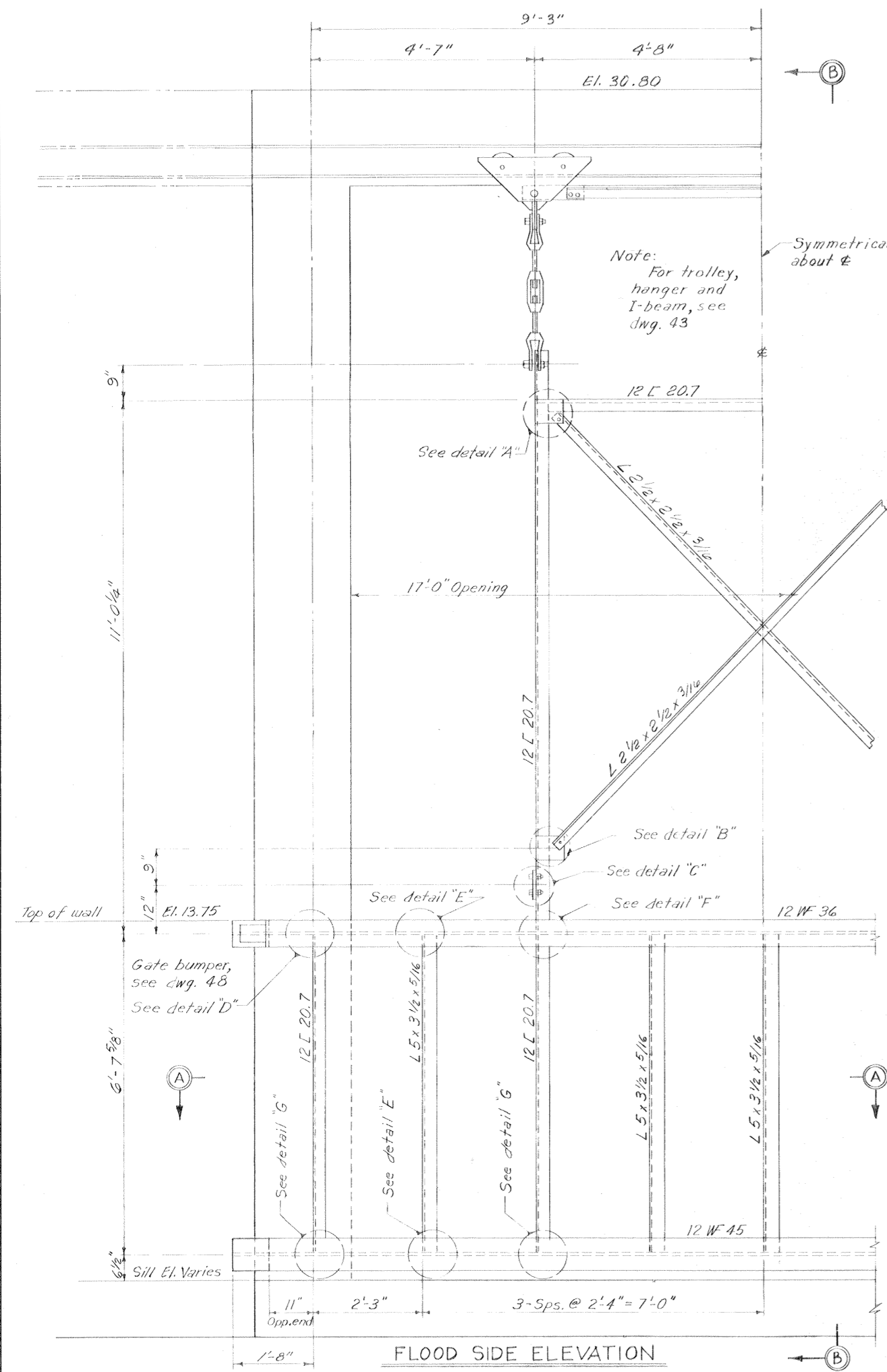


DETAIL E
Scale 3" = 1'-0"

Note:
For general notes, see dwg. 2
* This dimension may vary with trolley used (see dwg. 43)
For seal detail, see dwg. 44

OVERHEAD ROLLER GATE - GATE 2E

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
T.F.P.	G.P.M.	D.A.M.	H-4-24822
DATE: MARCH 1970	SCALE SHOWN:	SPEC. NO. DACW29-70-B-0137	DWG. NO. 40 of 51

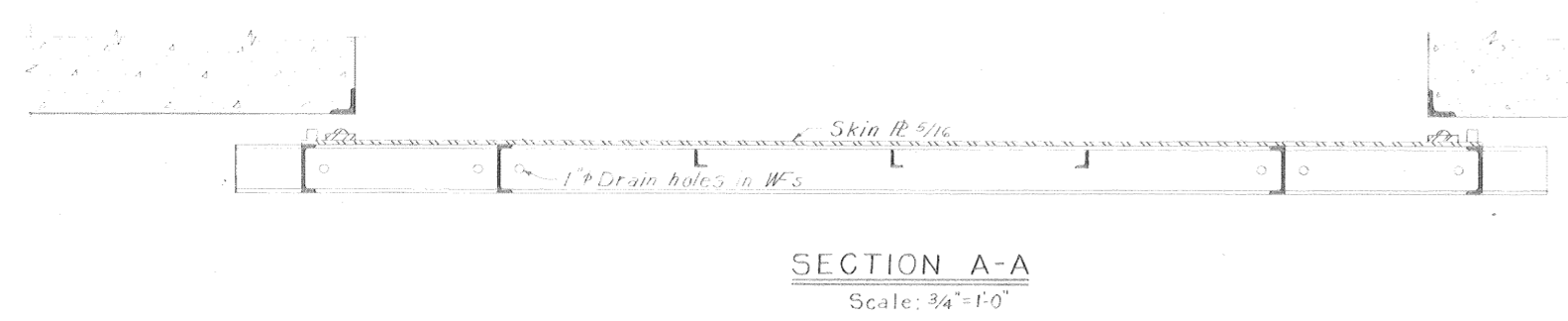
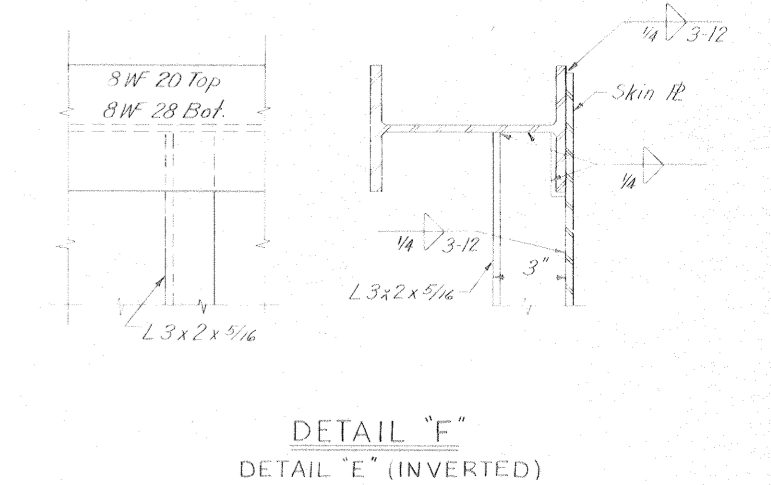
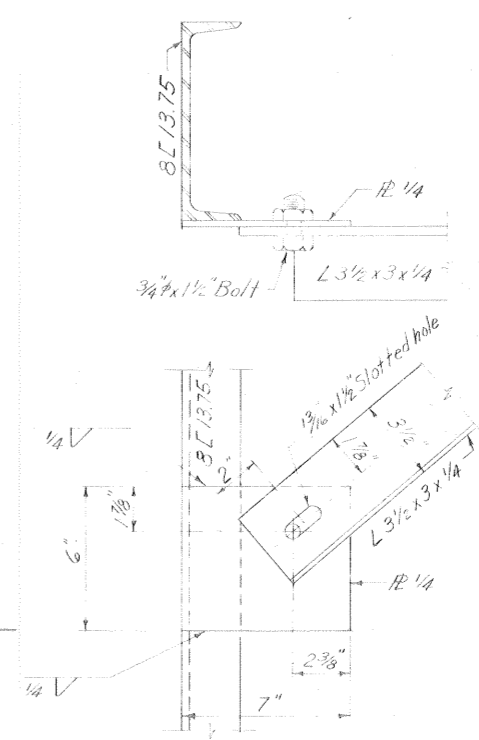
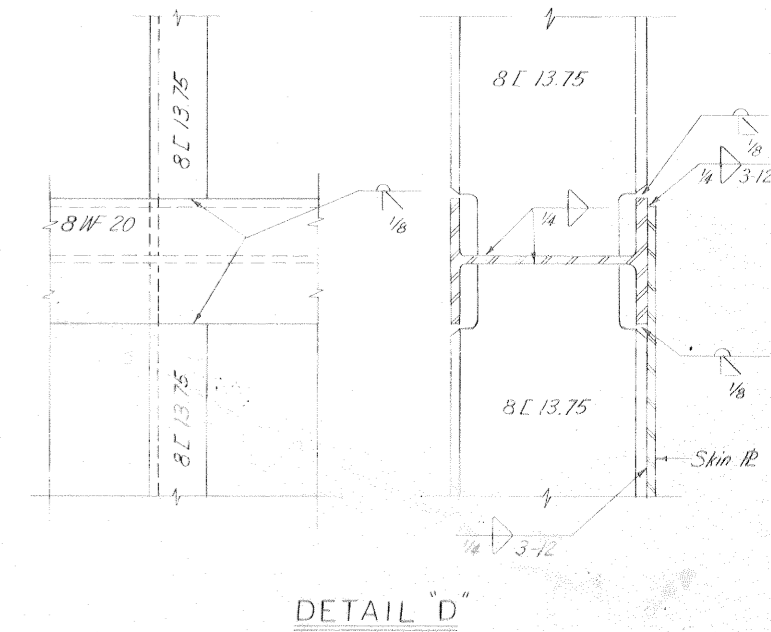
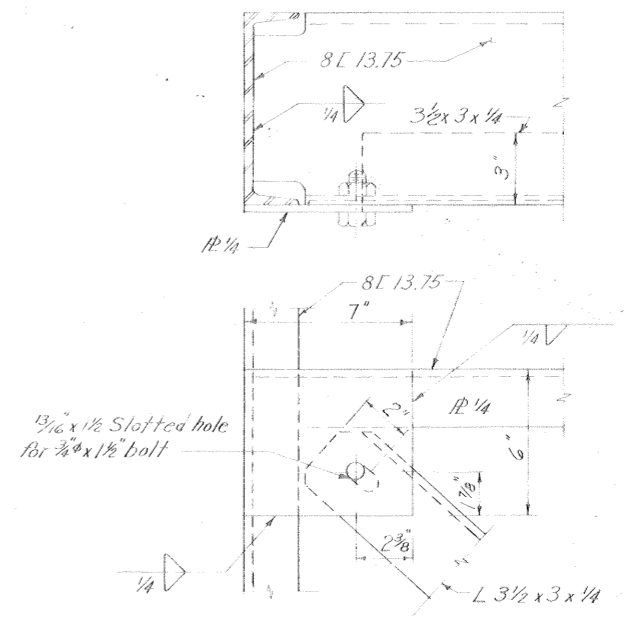
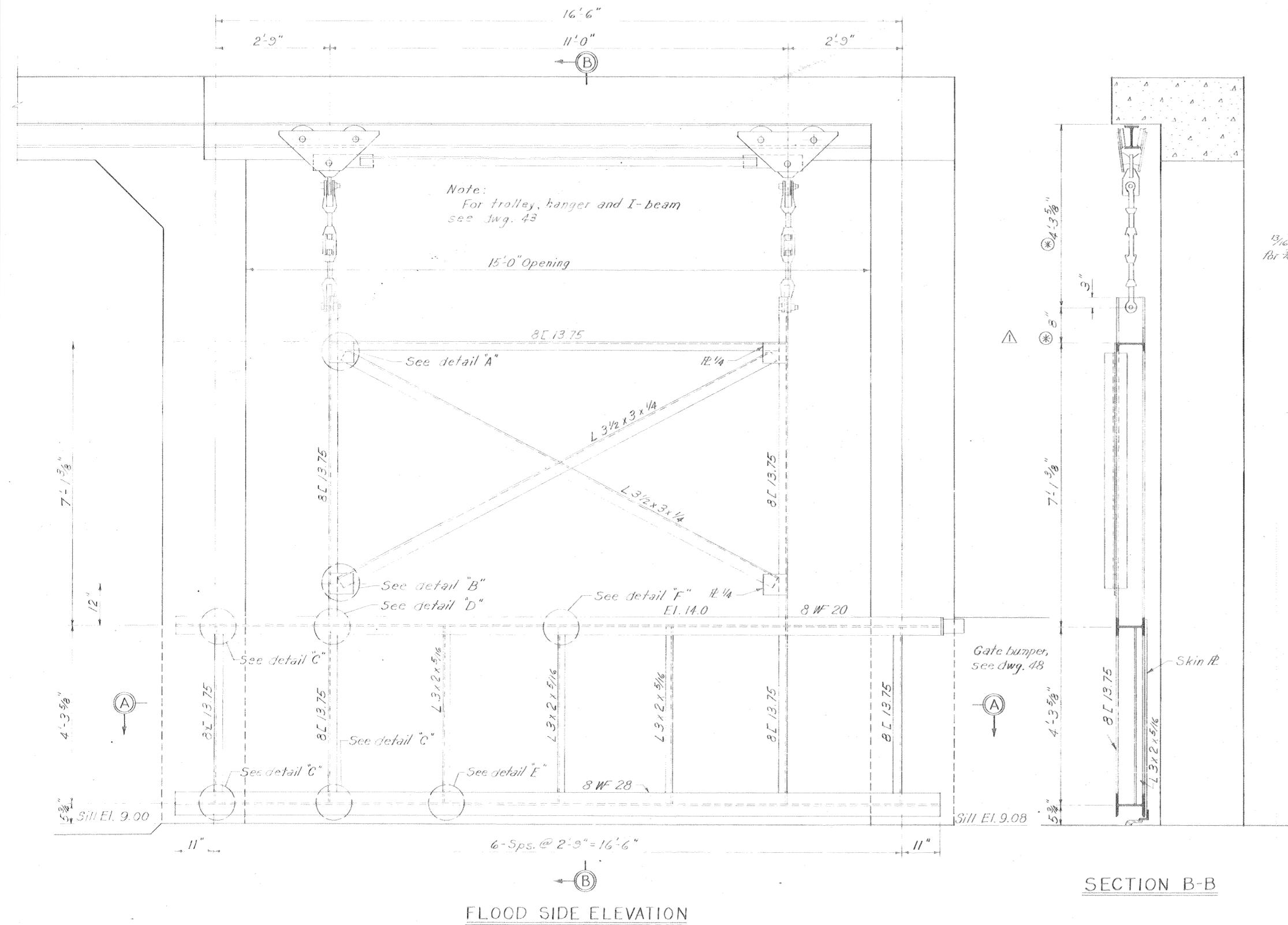


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Note:
For general notes, see dwg. 2
⊗ This dimension may vary with trolley used (see dwg. 43)
for seal detail, see dwg. 44.

OVERHEAD ROLLER GATE-GATE 3E

REVISION	DATE	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.	SIZE	FILE NO.	
T.F.P.	G.P.M.	D.A.M.				
H-4-24822						
DATE: MARCH 1970		SCALE: SHOWN		SPEC. NO. DACW29-70-B-0137		DWG. NO. 41 OF 51



Note:
for general notes, see dwg. 2
This dimension may vary with trolley used (see dwg. 43)
for shaft details, see dwg. 44

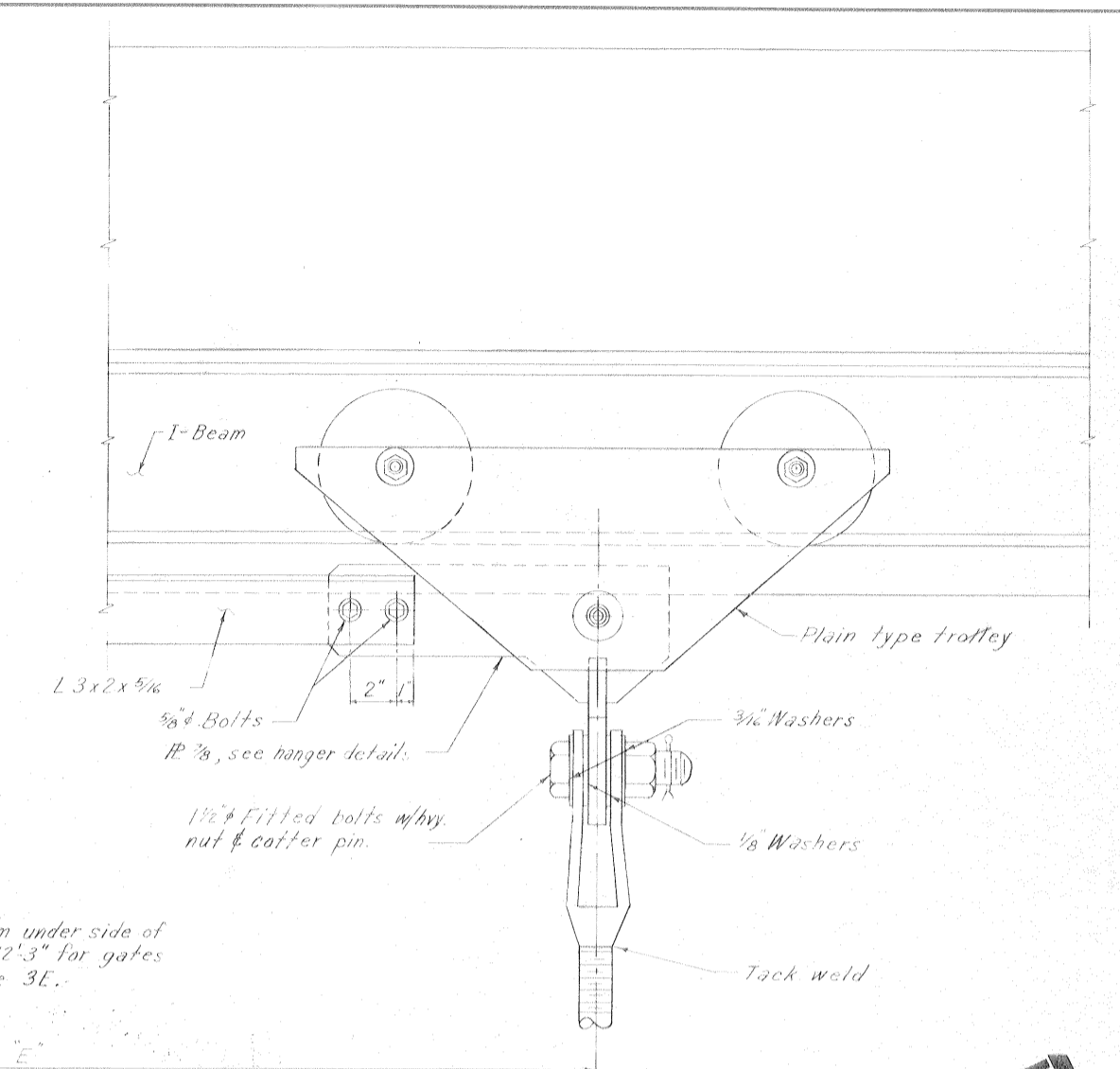
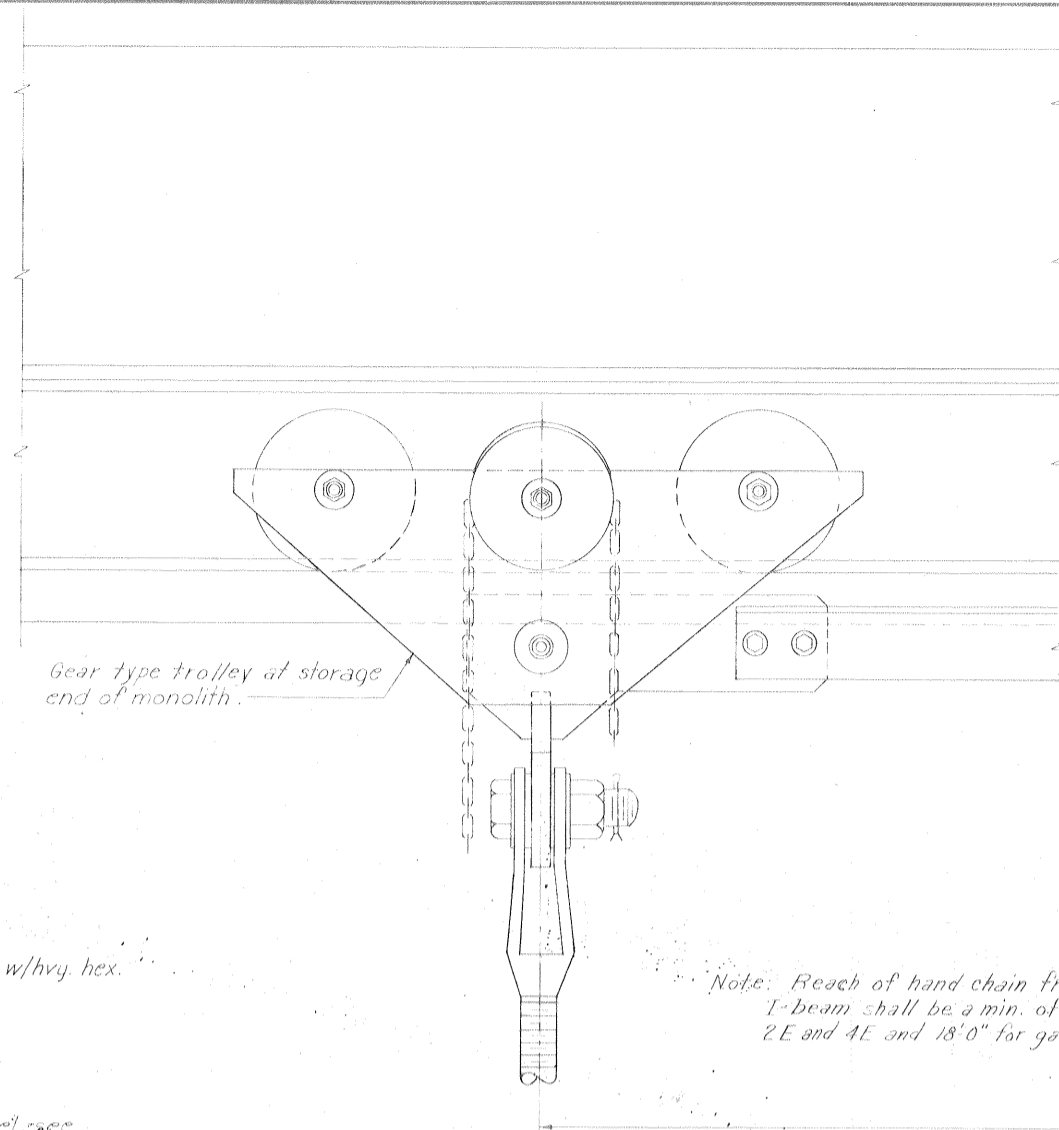
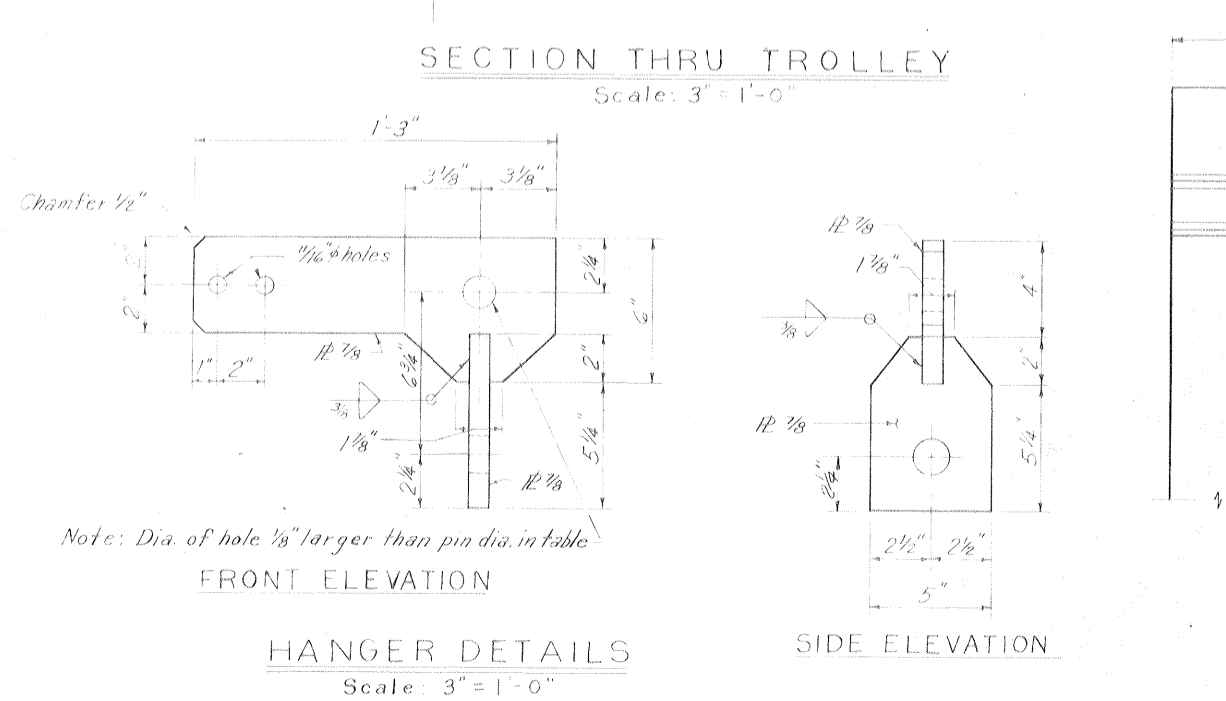
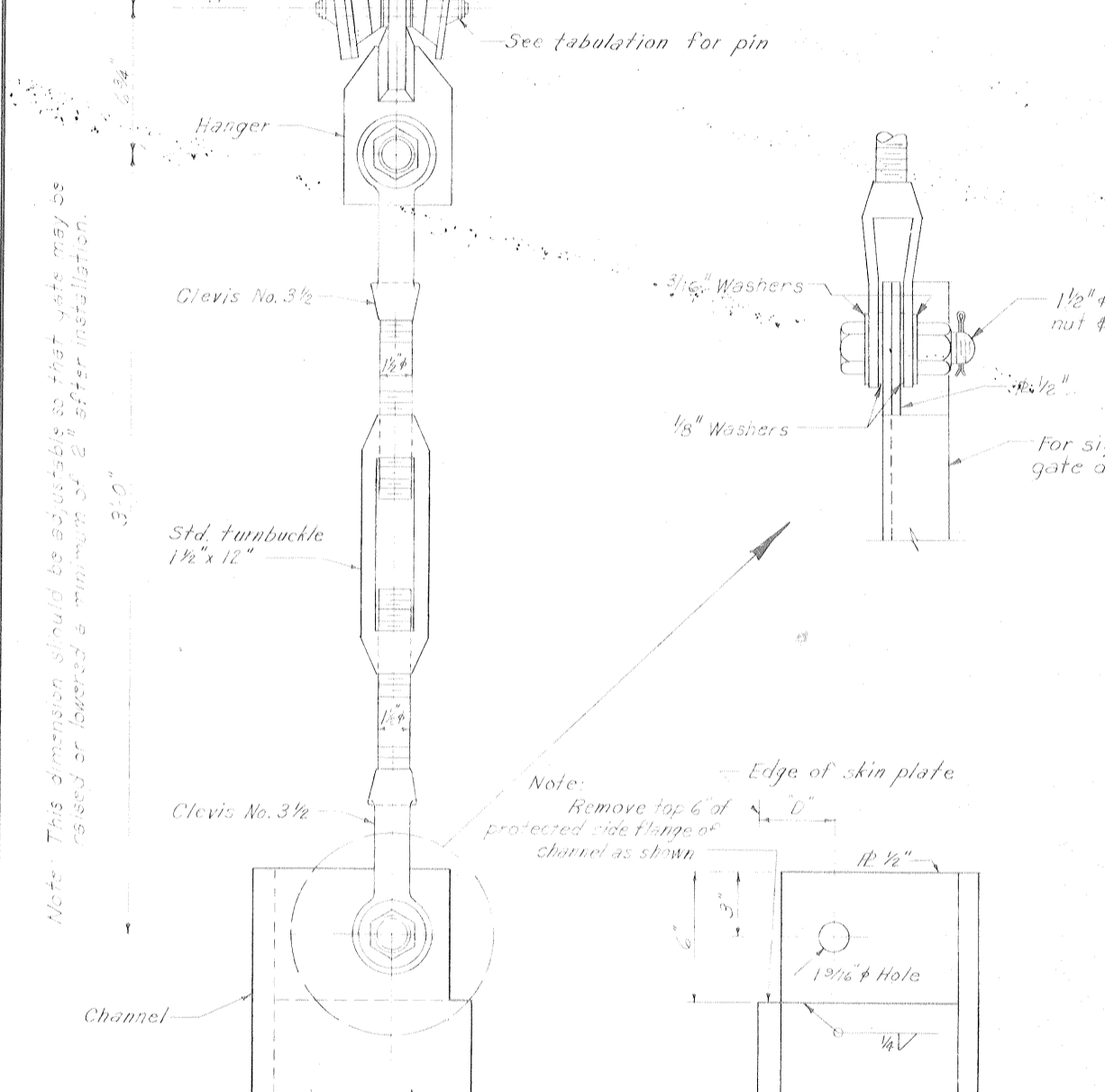
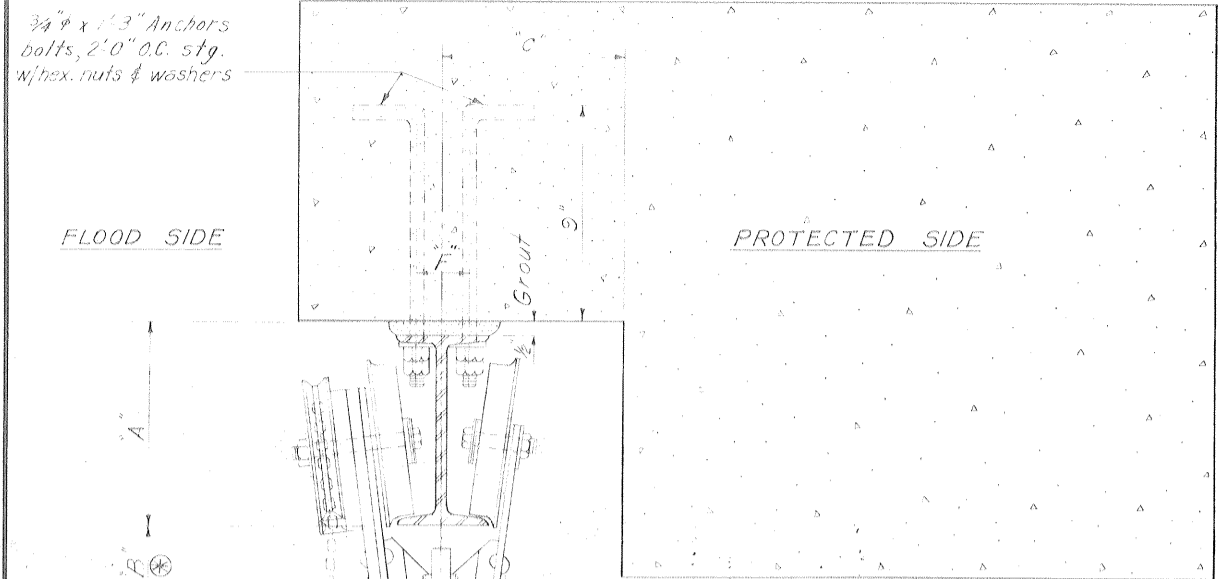
Safety is a Part
of Your Contract

THIS PLAN ACCOMPANIES
MODIFICATION P004 TO
CONTRACT NO. DACW29-
70-C-0206

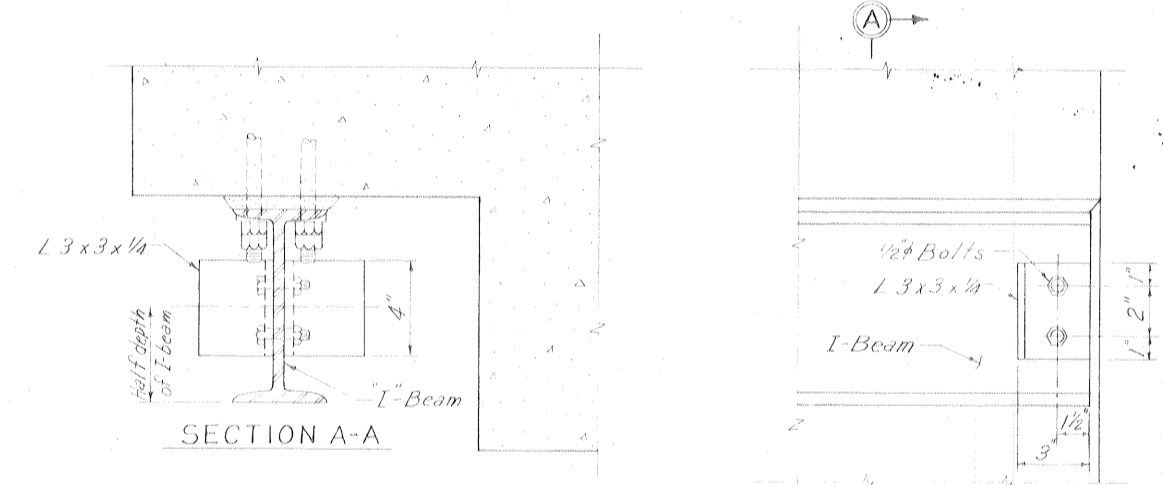
OVERHEAD ROLLER GATE - GATE 4E

5-10-70 Revised dimension in section B-B, Modification #4 E.H.A.

REVISION	DATE	CHECKED	DESCRIPTION	BY
DESIGNED				
DRAWN				
H.L.B.	G.P.M.	T.E.P.		
H-4-24822				
DATE: MARCH 1970		SCALE SHOWN		SPEC. NO. DACW29-70-B-0137
				DWG. NO. 42 OF 51



FLOOD SIDE ELEVATION OF TROLLEYS
Scale - 3" = 1'-0"

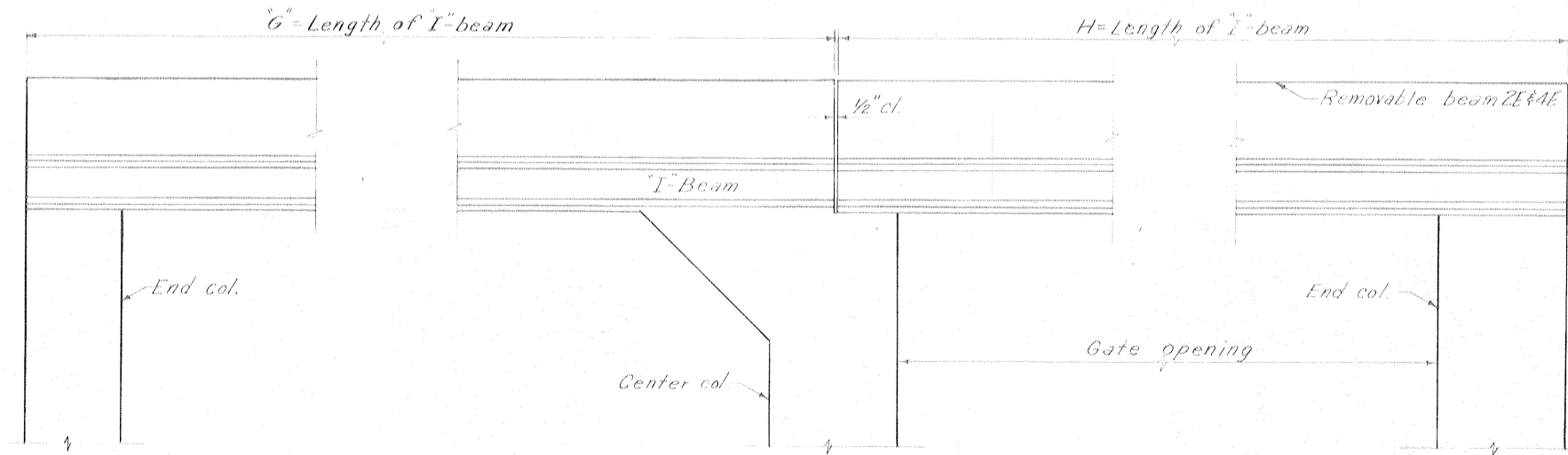


TYPICAL TROLLEY STOP
(STOP AT BOTH ENDS OF I-BEAM)
Scale: 3" = 1'-0"

TABULATION FOR TROLLEYS

Gate No.	Trolley Size	I-Beam	Pin Dia.	A	B	C	D	E	F	G	H
2E	1.5 ton	7115.3"	1 1/4"	7 1/2"	2 3/8"	8"	3"	10'8"	2 1/4"	17'6"	22'11 1/2"
3E	1.5 ton	7115.3"	1 1/4"	7 1/2"	2 3/8"	8"	3 3/4"	9'4"	2 1/4"	38'6"	cont.
4E	1 ton	7115.3"	1"	6 1/2"	2 3/8"	7 1/2"	2 5/8"	11'0"	2"	15'6"	17'11 1/2"

** Gate 3E has continuous beam.



FLOOD SIDE ELEVATION OF OVERHEAD I-BEAM RAIL-GATES 2E AND 4E SHOWN
GATE 3E OPPOSITE HAND
Scale: 3/4" = 1'-0"

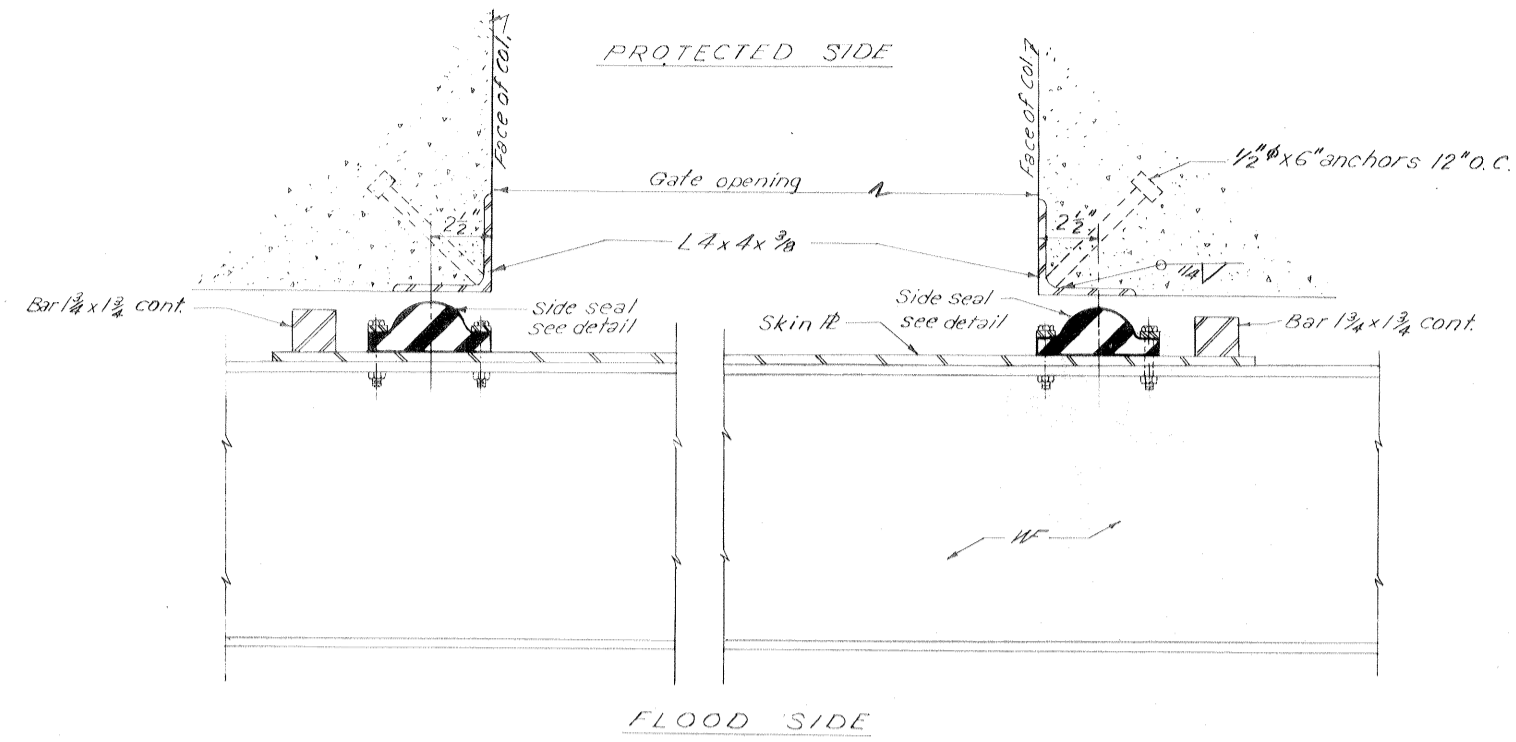
Safety is a Part of Your Contract

Note: For general notes, see dwg. 2
Ⓢ These dimensions subject to variation with trolley used

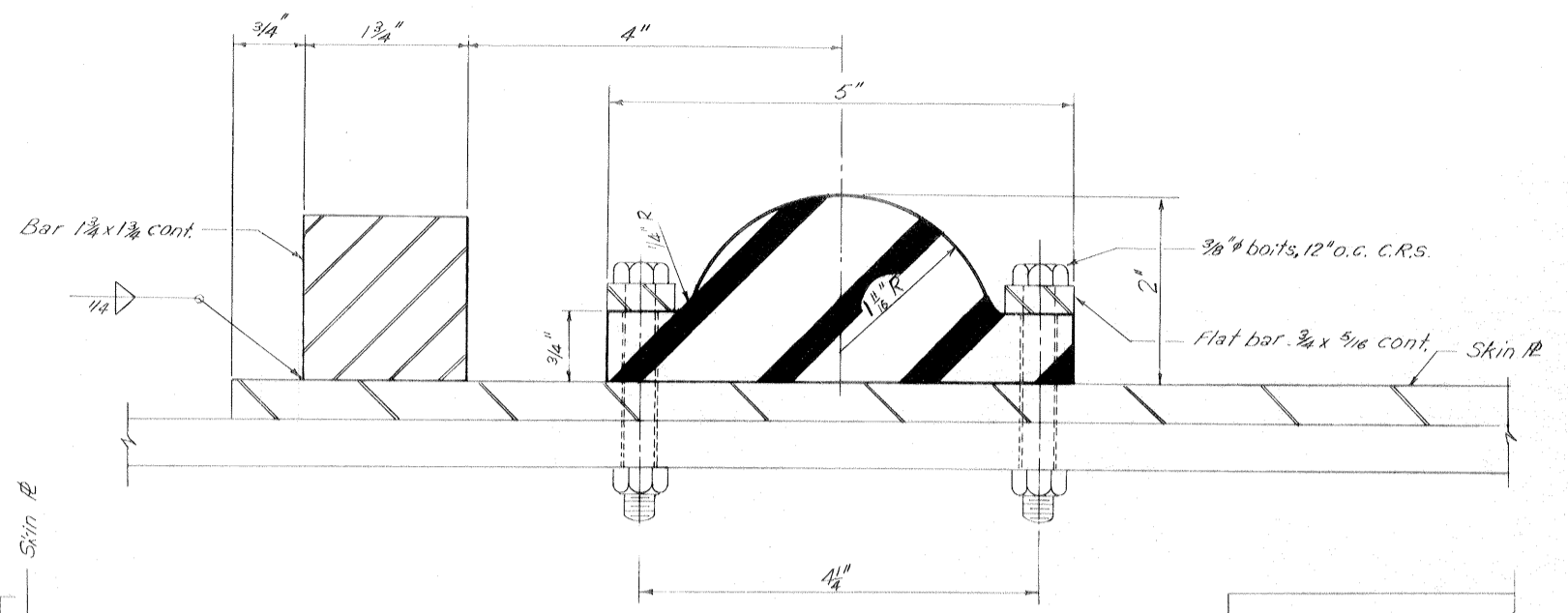
THIS PLAN ACCOMPANIES
MODIFICATION P004 TO
CONTRACT NO. DACW29-
70-C-0206

**OVERHEAD ROLLER GATES
TROLLEY AND HANGER DETAILS**

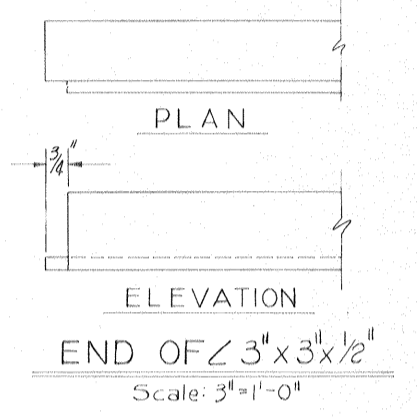
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.:	SIZE:	FILE NO.:	BY:
T.F.P.	C.P.M.	H.L.B.				
DATE: MARCH 1970			SCALE: SHOWN		SPEC. NO. DACW29-70-B-0137	DWG. NO. 43 OF 51



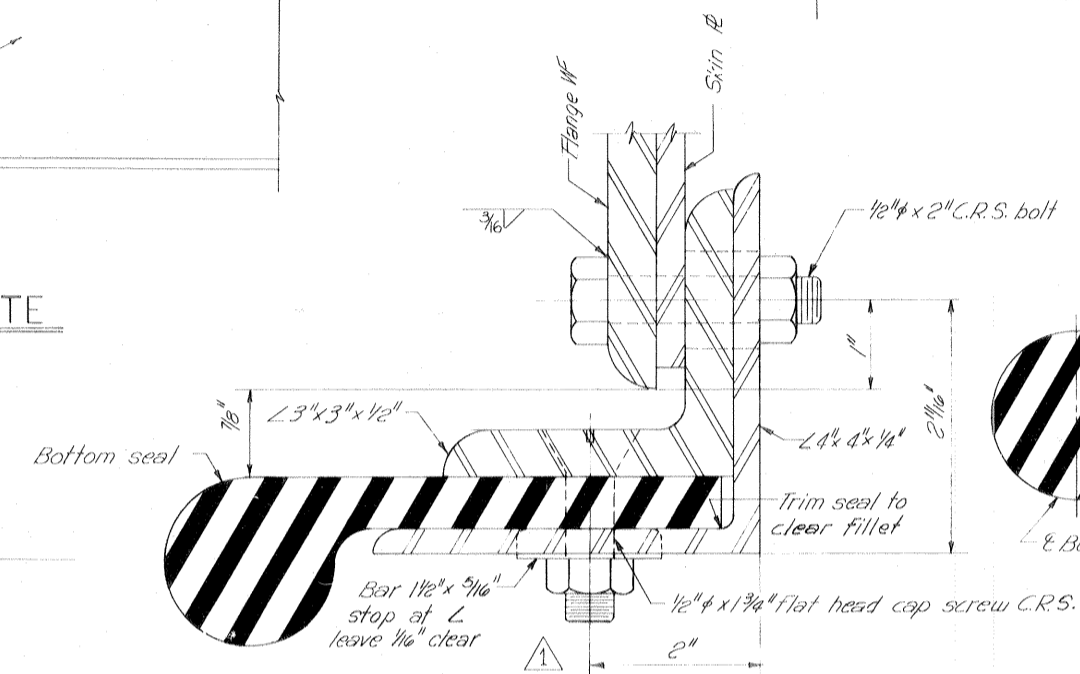
SECTION THRU OVERHEAD ROLLER GATE
Scale: 3"=1'-0"



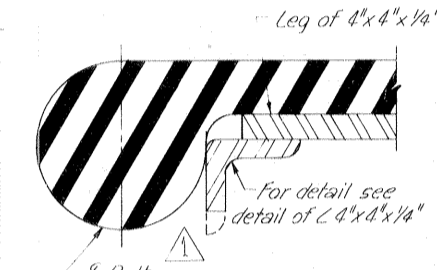
TYPICAL SIDE SEAL
Scale: Full Size



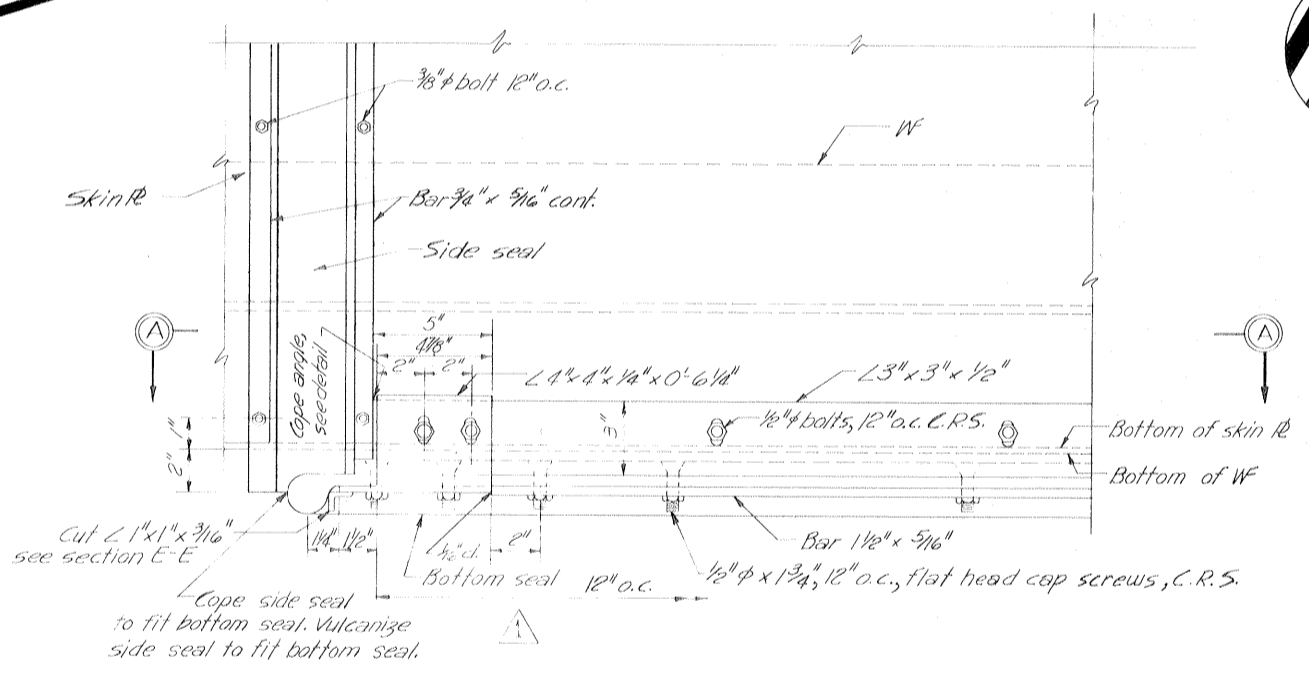
Safety is a Part of Your Contract



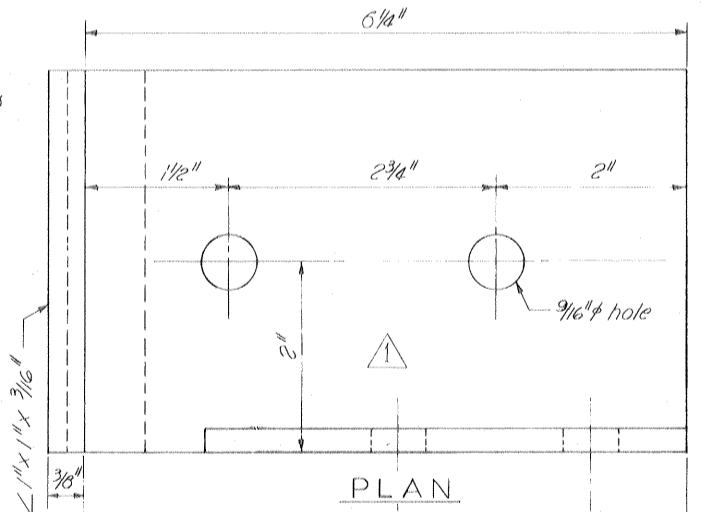
SECTION D-D
Scale: Full size



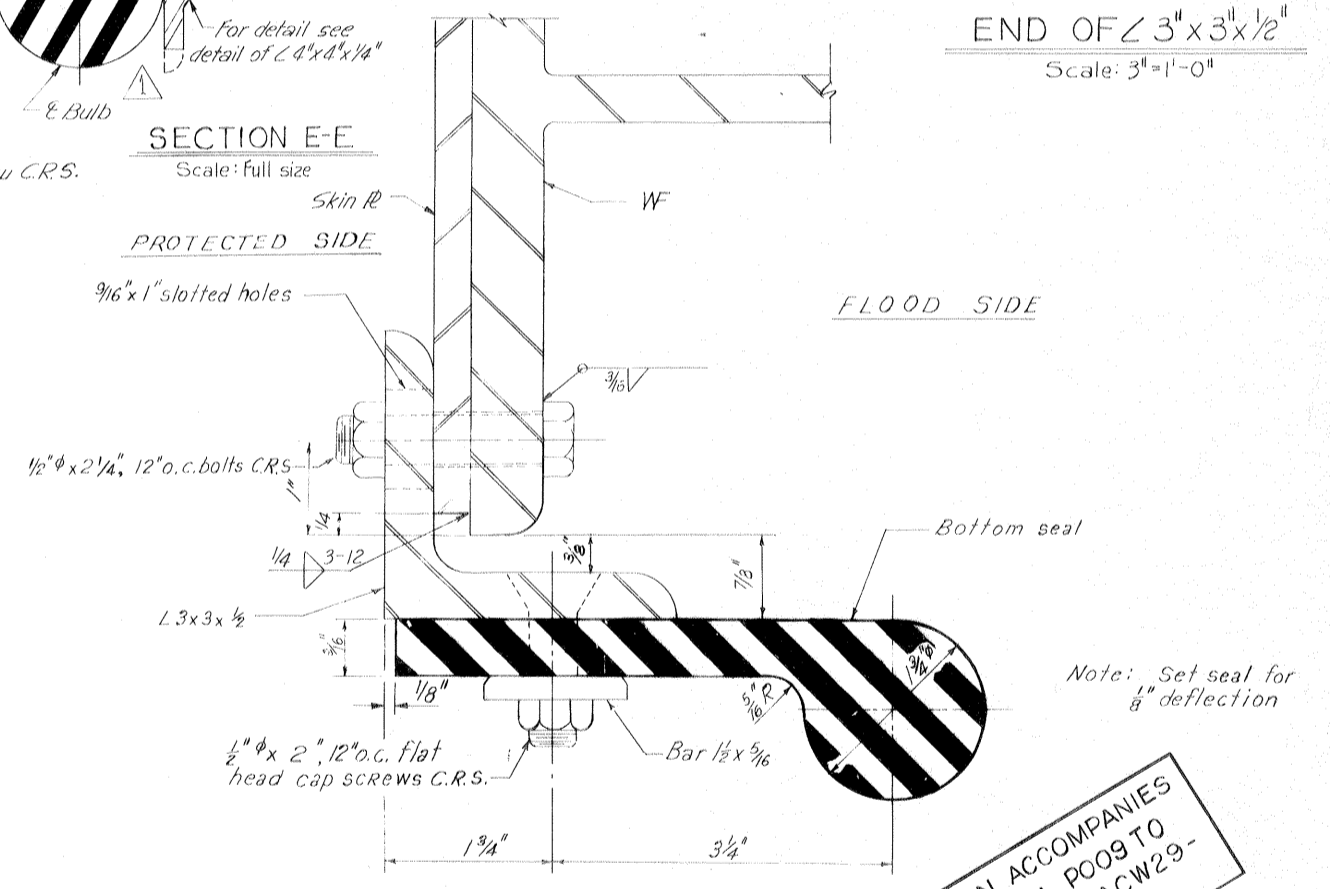
SECTION E-E
Scale: Full size



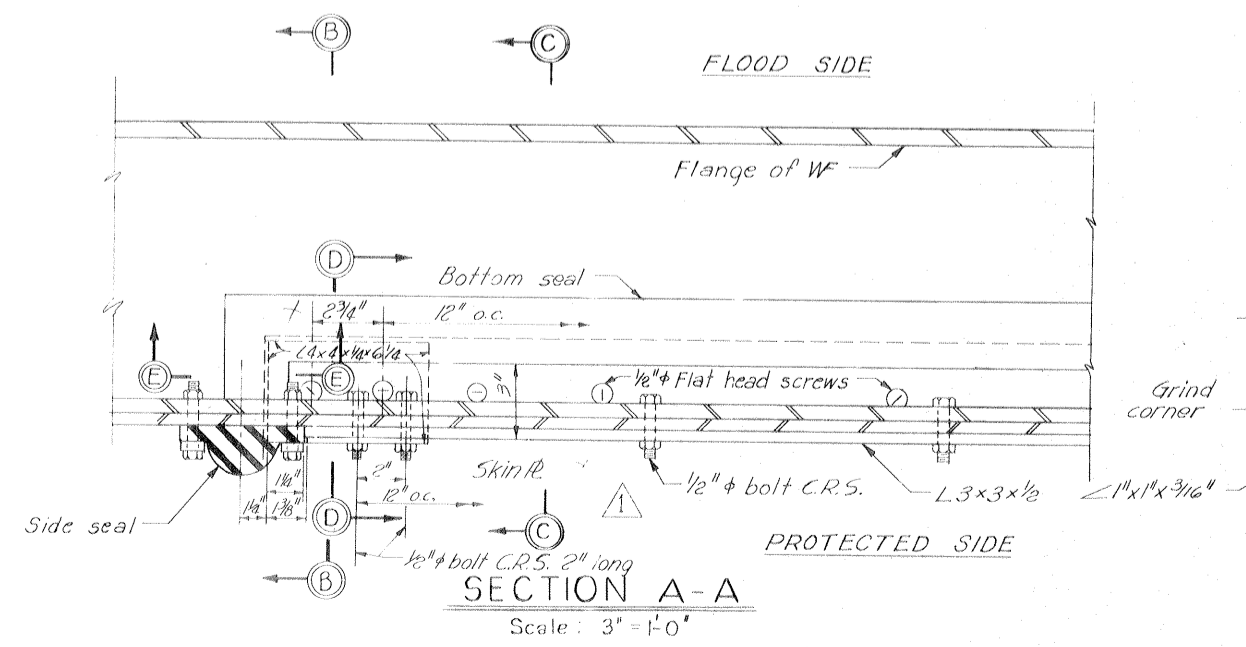
TYPICAL END ELEVATION
Scale: 3"=1'-0"



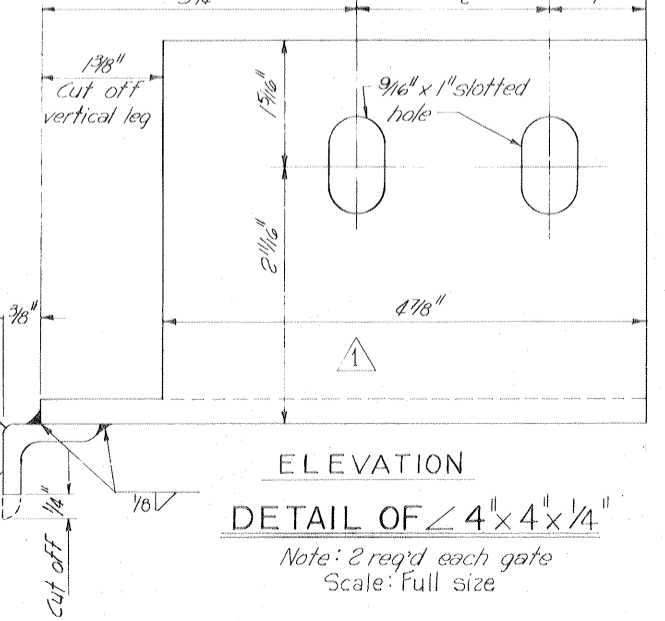
PLAN



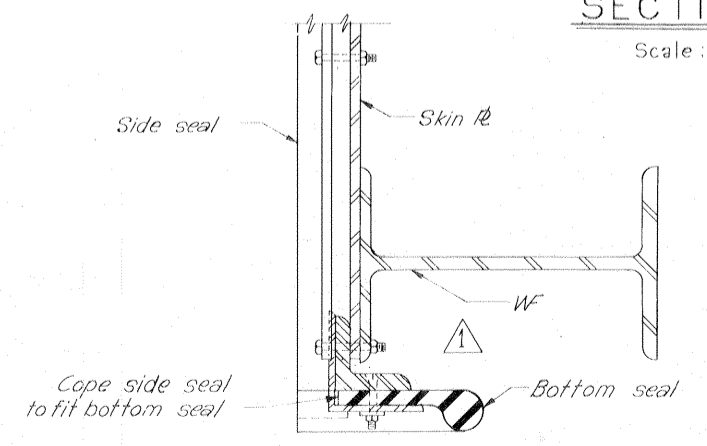
SECTION C-C
Scale: Full Size



SECTION A-A
Scale: 3"=1'-0"



ELEVATION
DETAIL OF 4" x 4" x 1/4"
Note: 2 req'd each gate
Scale: Full size



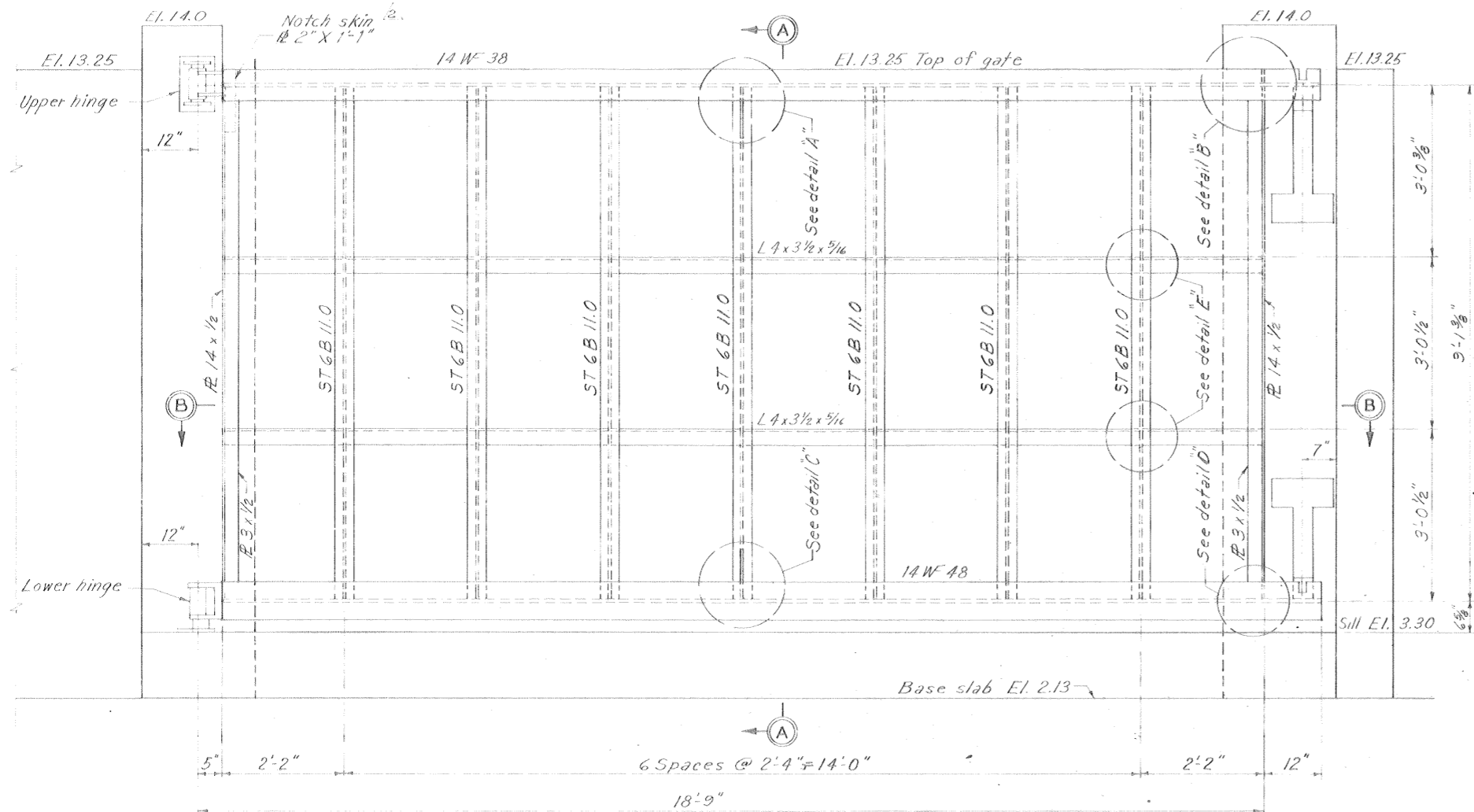
SECTION B-B
Scale: 3"=1'-0"

THIS PLAN ACCOMPANIES MODIFICATION P009 TO CONTRACT NO. DACW29-70-C-0206

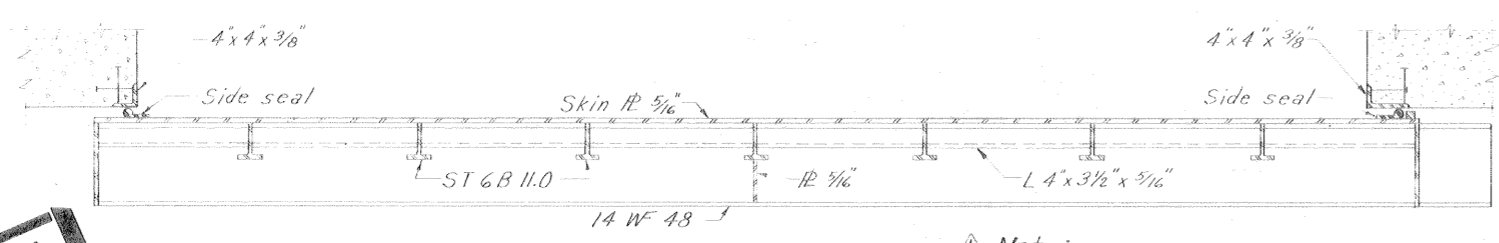
Notes:
For general notes see dwg. 2.
Seal clamp angles and clamp coat shall be coated on all sides prior to assembly.

DESIGNED:	DATE:	CHECKED:	CODE IDENT. NO.:	SIZE:	FILE NO.:
T.E.P.	12-1-70	G.P.M.	H.L.B.		H-4-24822
DATE:	MARCH 1970	SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137	DWG. NO. 44 of 51	

OVERHEAD ROLLER GATES-SEALS



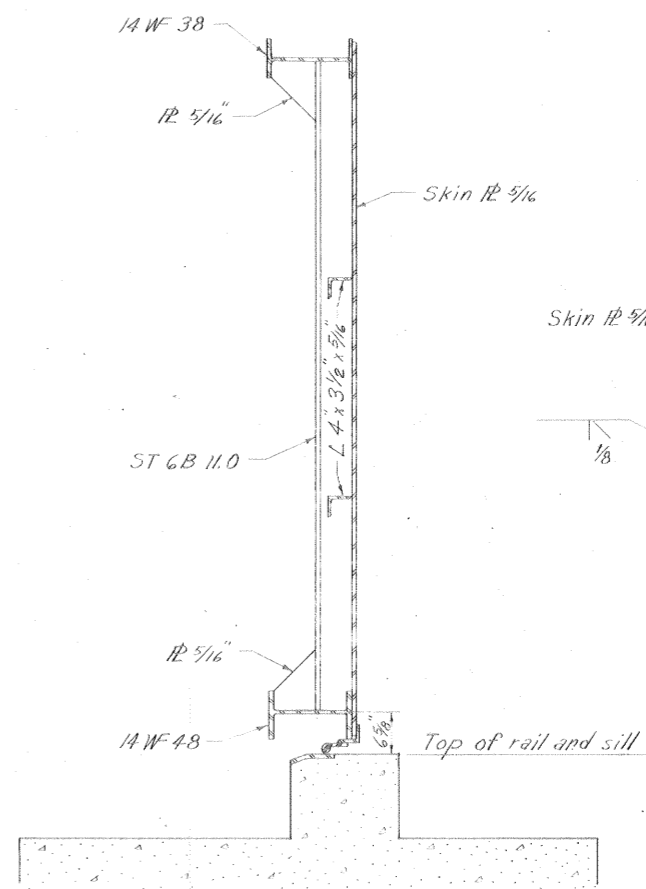
FLOOD SIDE ELEVATION
Scale: 3/4"=1'-0"



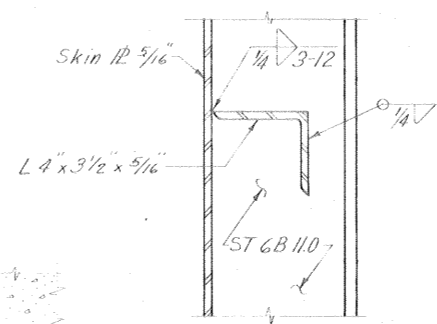
SECTION B-B
Scale: 3/4"=1'-0"

Safety is a Part of Your Contract

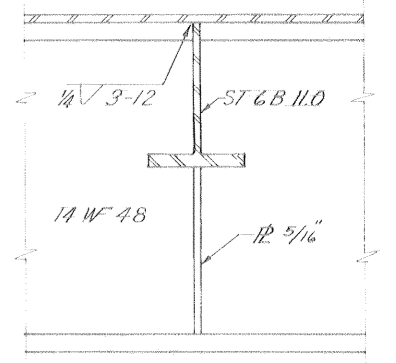
Note:
Drill 1" diameter drain holes (4 each WF) in the web 6" from stiffener plates as shown for overhead roller gates.



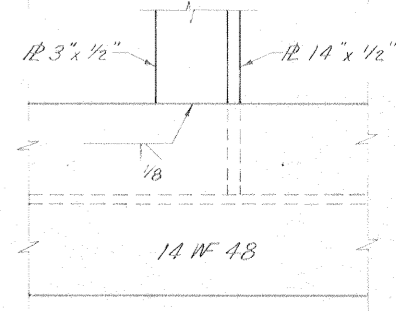
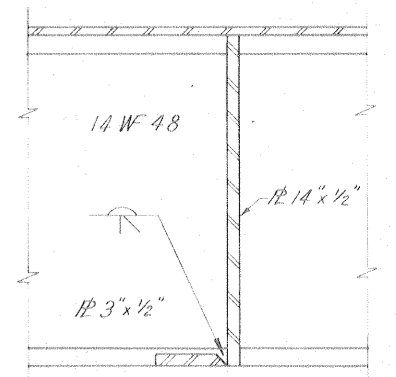
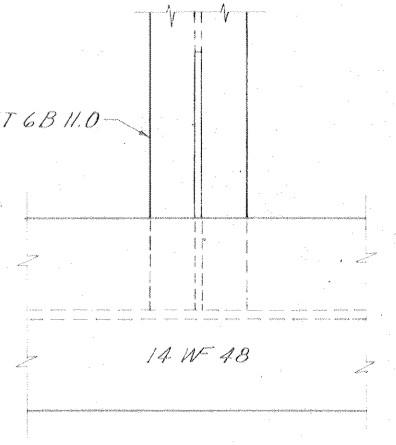
SECTION A-A
Scale: 3/4"=1'-0"



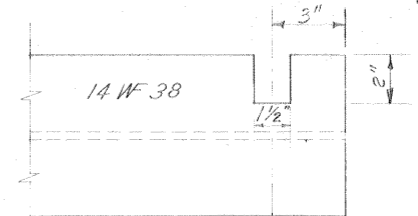
DETAIL E
Scale: 3"=1'-0"



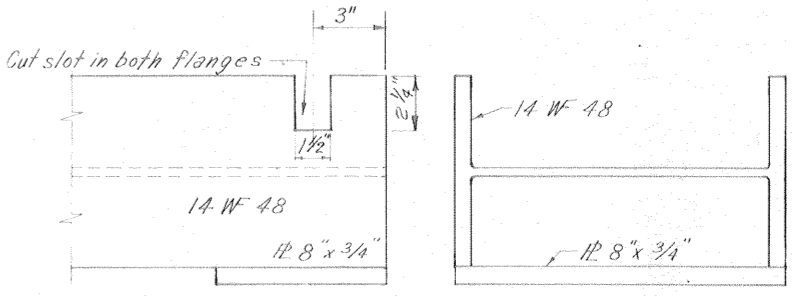
DETAIL C
Scale: 3"=1'-0"



DETAIL D
Scale: 3"=1'-0"

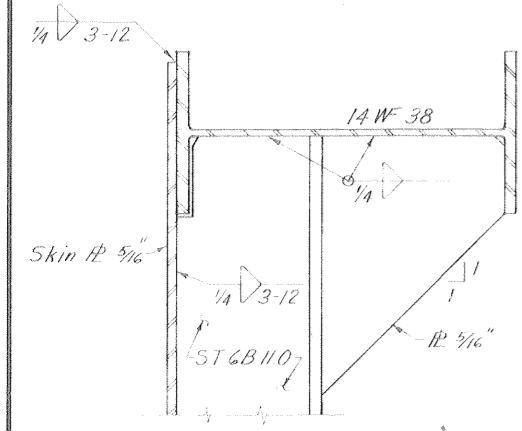


TOP BEAM

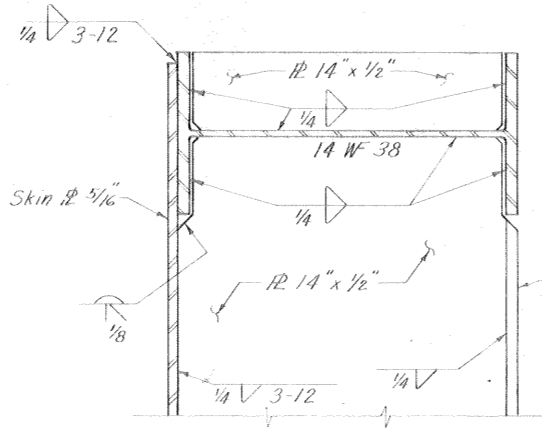
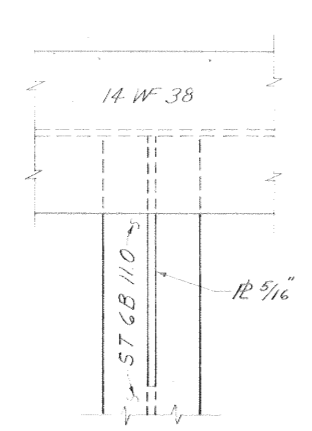


BOTTOM BEAM

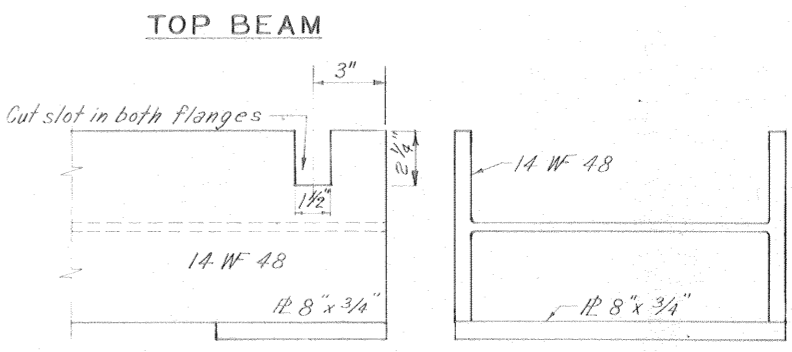
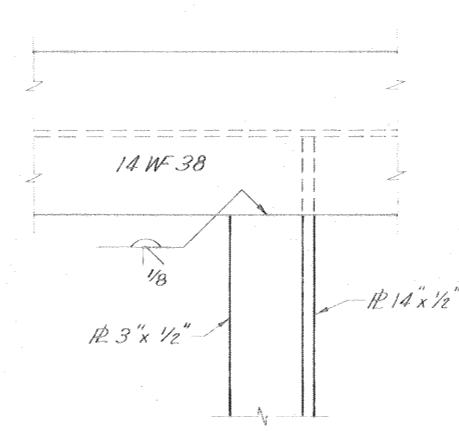
LOCKING DEVICE NOTCHES IN WFs
Scale: 3"=1'-0"



DETAIL A
Scale: 3"=1'-0"



DETAIL B
Scale: 3"=1'-0"

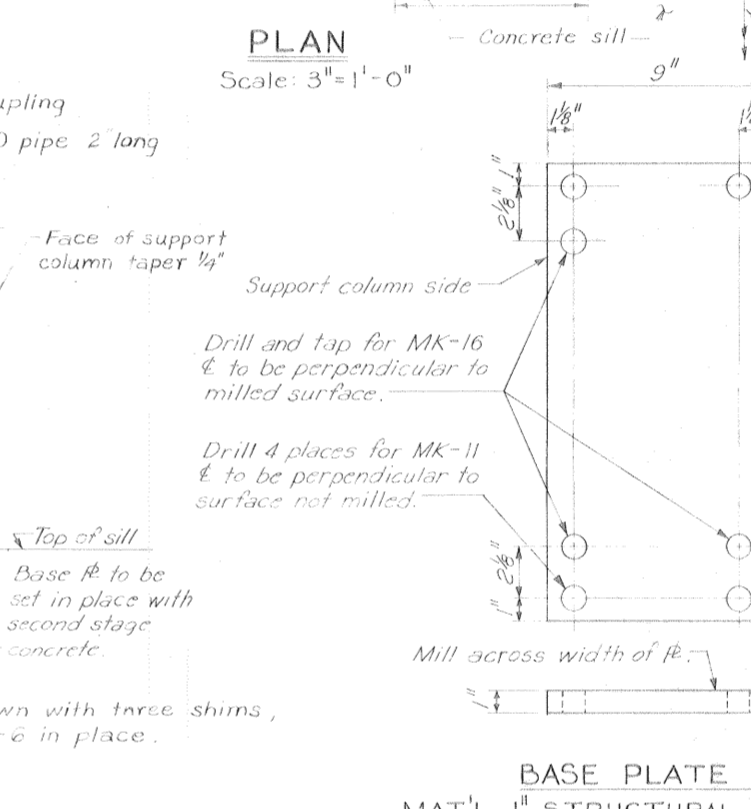
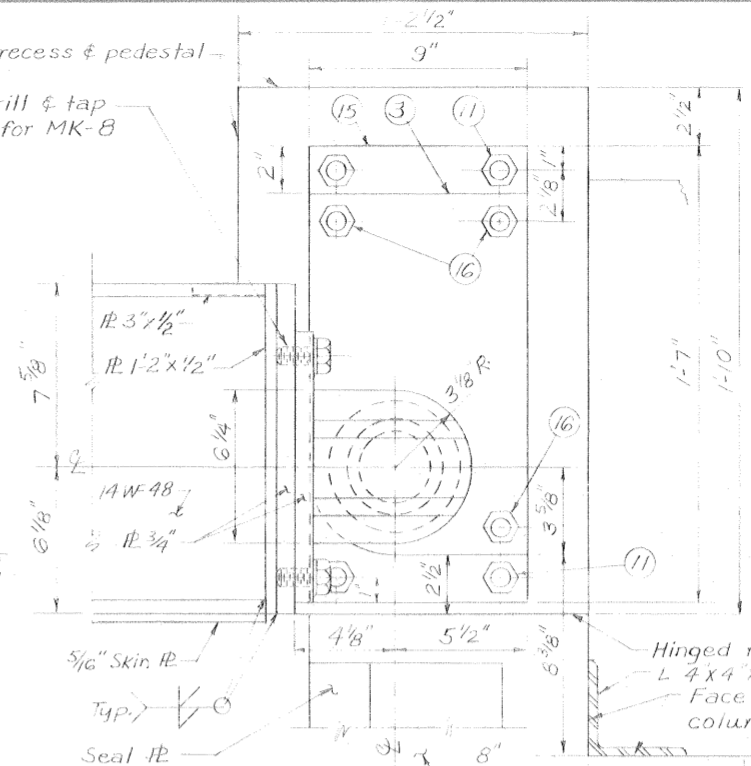
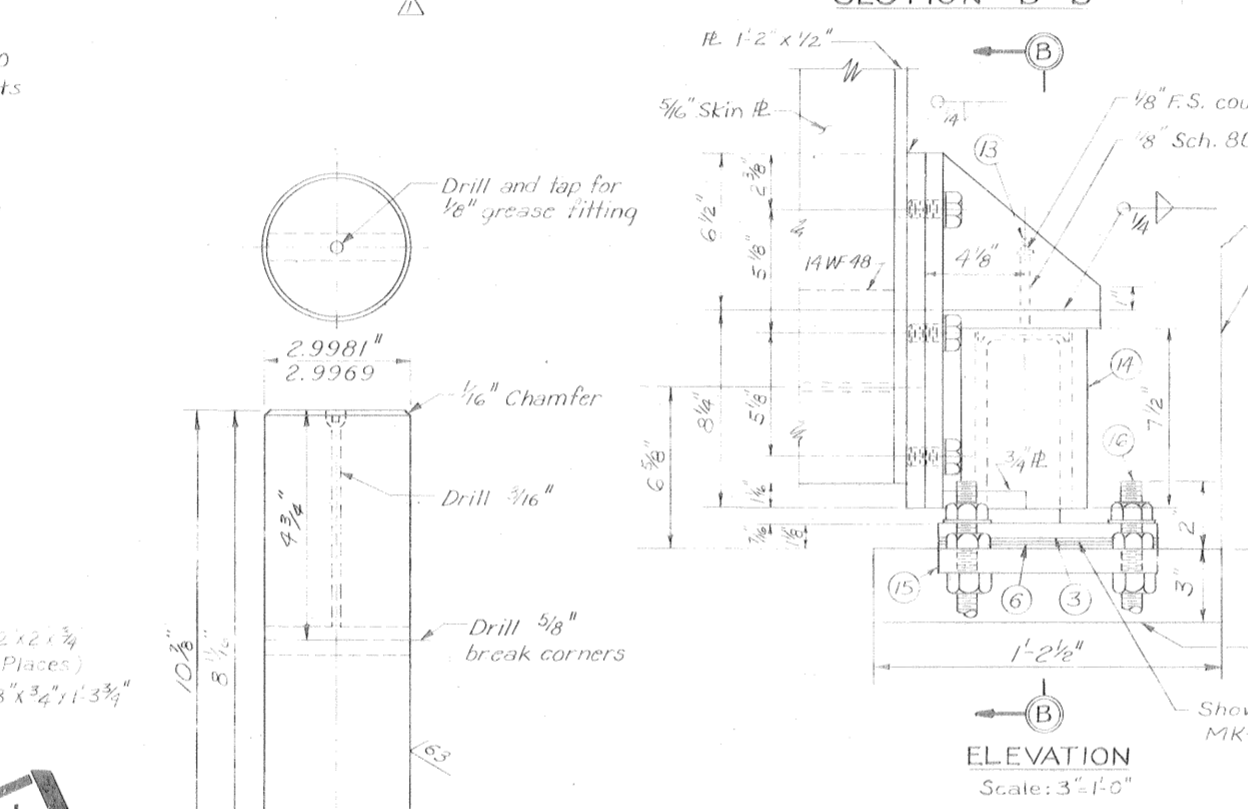
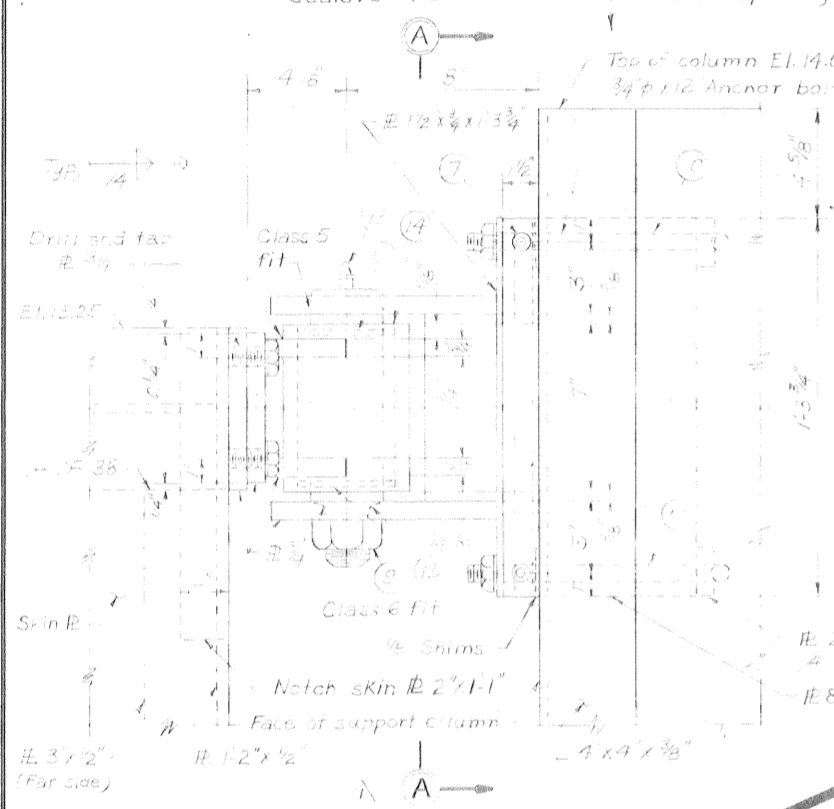
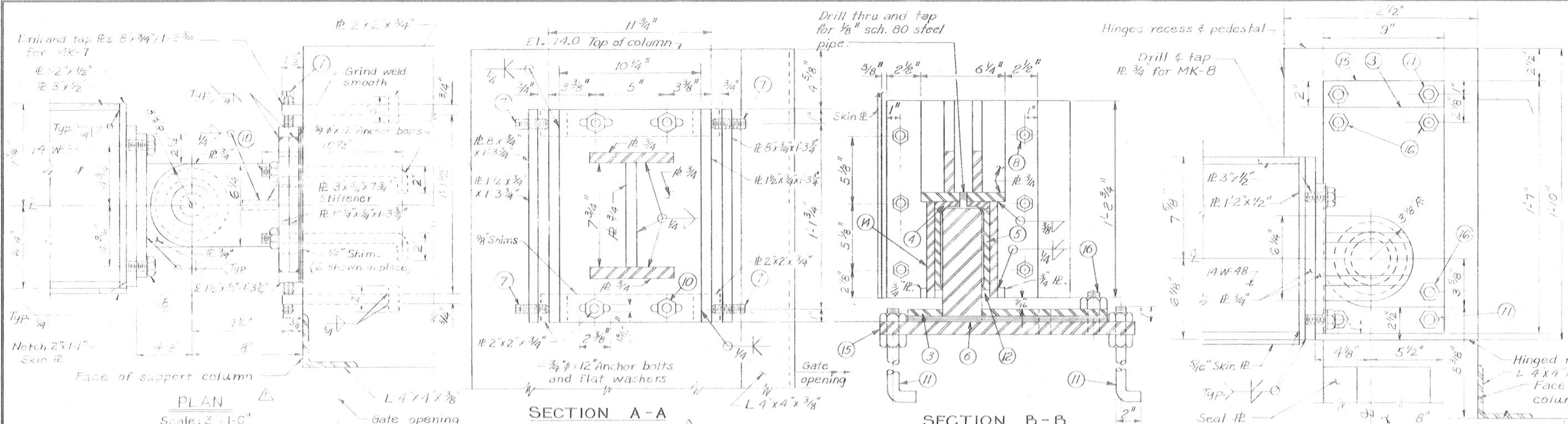


Note:
For general notes, see dwg. 2

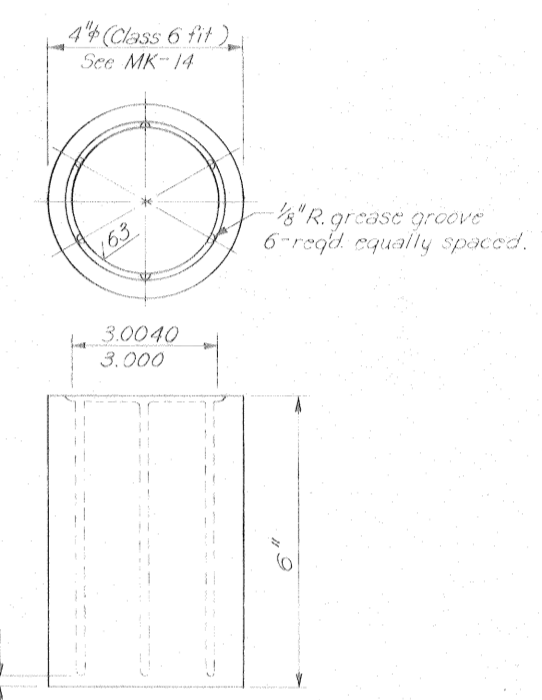
THIS PLAN ACCOMPANIES MODIFICATION P004 TO CONTRACT NO. DACW29-70-C-0206

DESIGNED	T.S.T.	DRAWN	G.P.M.	CHECKED	D.J.H.	CODE IDENT. NO.	SIZE	FILE NO.	BY
DATE	MARCH 1970	DATE		DATE					
DESCRIPTION	5-10-70 Added note to Floodside Elevation, Mod. # 4 4-8-70 Added note to Section B-B, Amend # 1								
H-4-24822									
SCALE SHOWN SPEC. NO. DACW29-70-B-0137 DWG. NO. 45 OF 51									

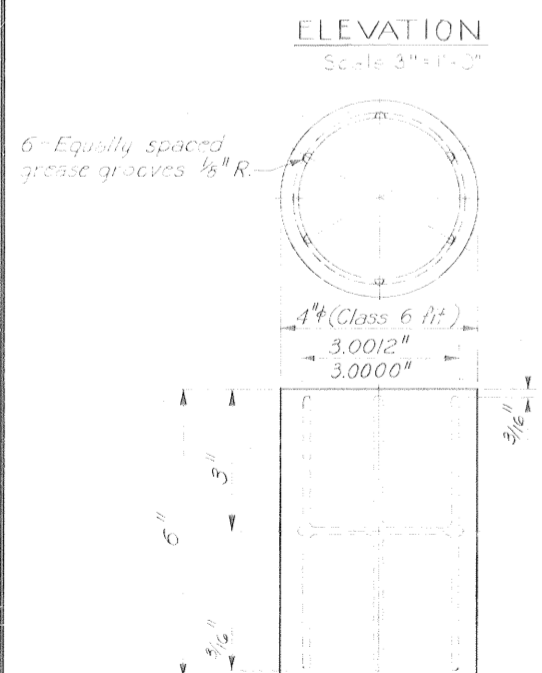
SWING GATE-GATE IE



PARTS NOT DETAILED				
MARK NO.	QUANTITY	DESCRIPTION	MATERIAL	
7	4	Set screw, hexagon socket, 3/4" x 2 1/2" class 3A, flat point.	C.R.S.	
8	10	Cap screw, hex. head, 3/4" - 10UNC-2A 1 3/4" long w/flat washer.	C.R.S.	
9	1	Nut, hex. head, 1 1/2" - 6UNC-2A type 2 style 8 w/flat washer.	C.R.S.	
10	4	Anchor bolt, 3/4" x 10 1/2" w/nut and flat washer.	Structural steel	
11	4	Anchor bolt, 7/8" x 30 w/nuts and flat washers.	Structural steel	
12	3	Grease seal, Garlock standard Klosure No. 2176 or equal.	Comm. grade	
13	2	Grease fitting, 1/2" NPT type.	Comm. grade	
14	1-2 1/2"	Mechanical tubing, 5 1/4" O.D. x 4" I.D. machined for class 6 fit between I.D. of tubing and O.D. of bushing.	AISI C1015	
16	3	Stud, 3/4" 10UNC-2A x 4 1/4" lg.	C.R.S.	



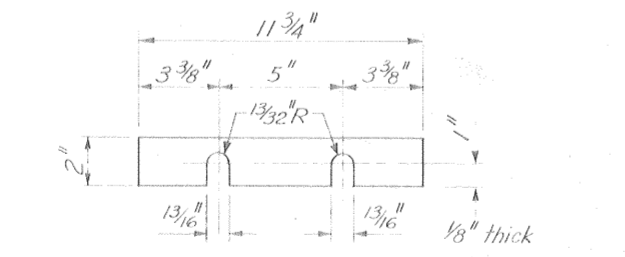
BUSHING MK-5
MAT'L ASTM B-22-61 ALLOY C 1-REQ'D
Scale: 6" = 1'-0"



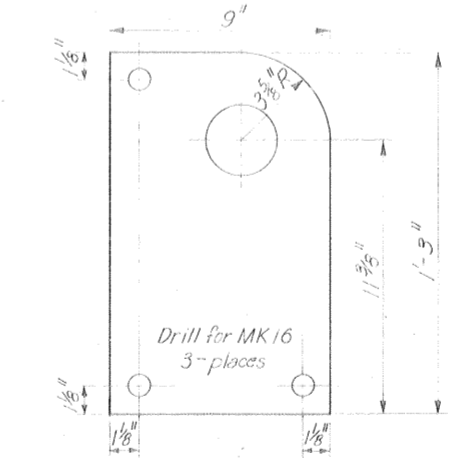
BUSHING MK-2
MAT'L ASTM B-22-61 ALLOY C 1-REQ'D
Scale: 6" = 1'-0"

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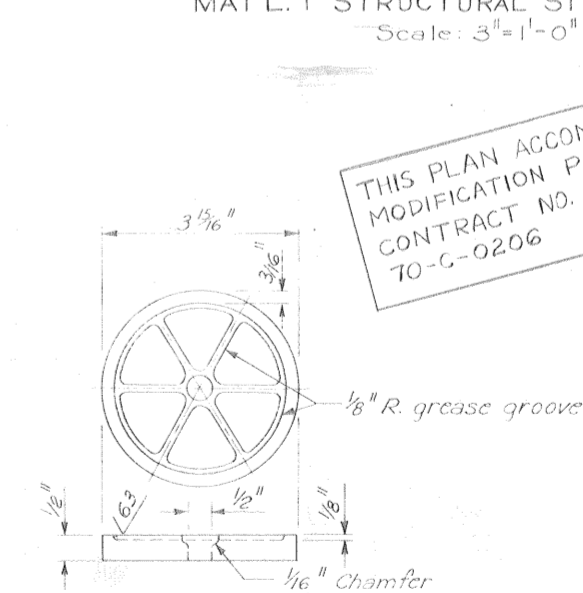
BUSHING SHAFT MK-1
MAT'L ASTM A237-63T CLASS C 1-REQ'D
Scale: 6" = 1'-0"



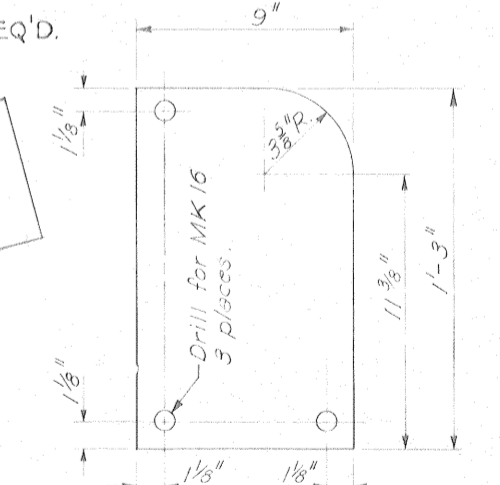
SHIM MK-17
MAT'L STRUCTURAL STEEL PLATE 6 REQ'D
Scale: 3" = 1'-0"



BEARING PEDESTAL MK-3
MAT'L SHAFT ASTM A-237-63T CLASS C 1-REQ'D - BASE STRUCTURAL STEEL
Scale: 3" = 1'-0"



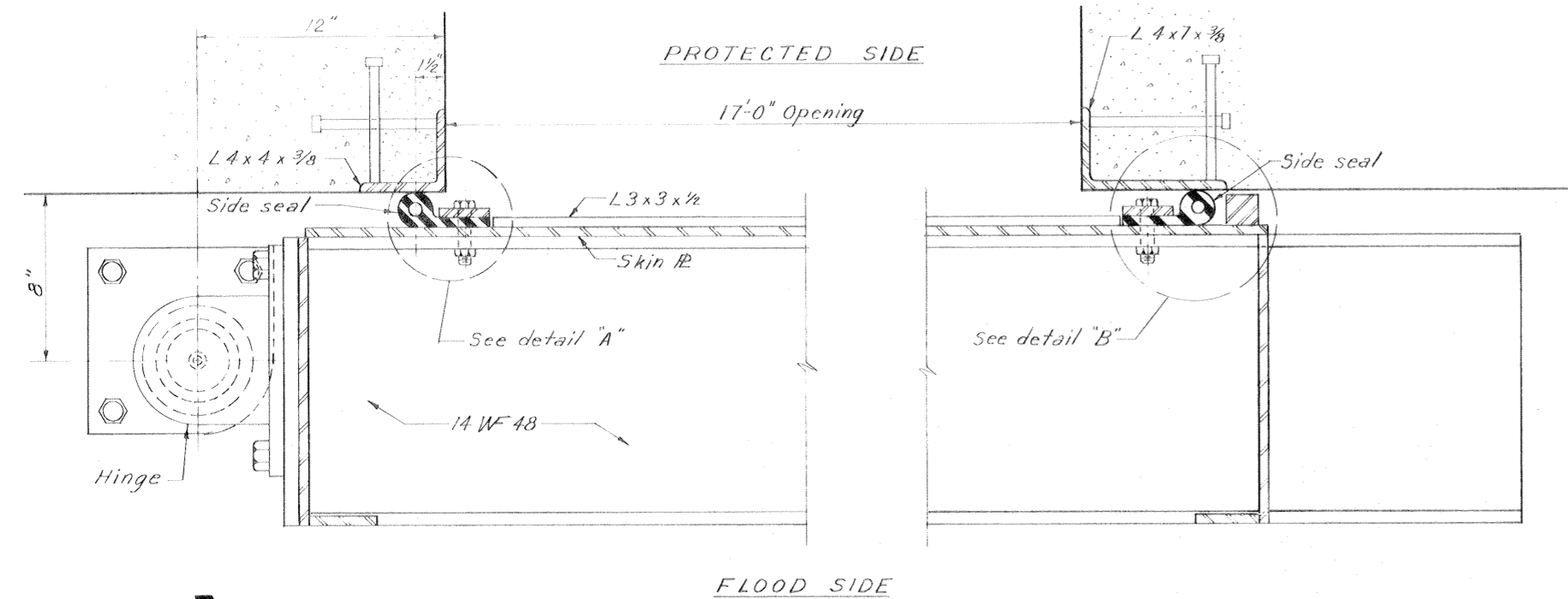
THRUST WASHER MK-4
MAT'L ASTM B-22-61 ALLOY C 1-REQ'D
Scale: 6" = 1'-0"



SHIM MK-6
MAT'L 1/8" STEEL PLATE 6 REQ'D
Scale: 3" = 1'-0"

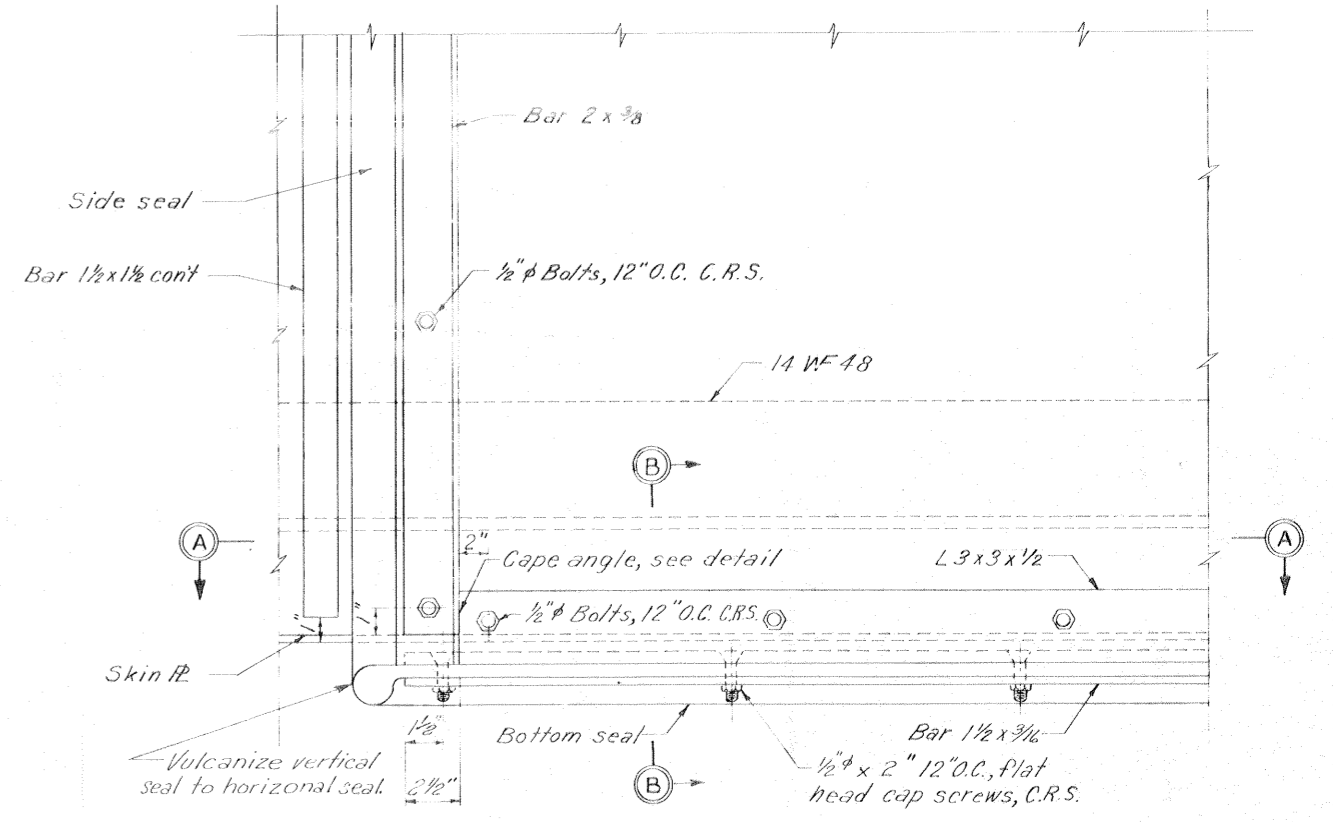
THIS PLAN ACCOMPANIES MODIFICATION POO4 TO CONTRACT NO. DACW29 70-C-0206

Note: Quantities shown are for one assembly.

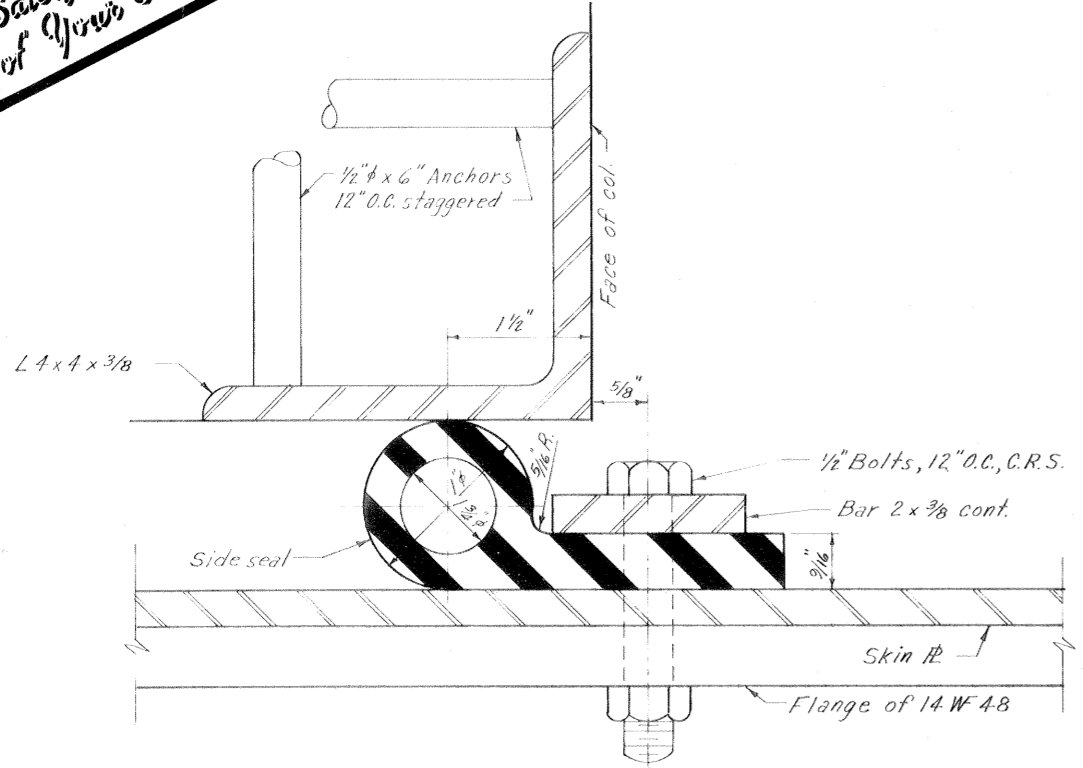


SECTION THRU SWING GATE
Scale: 3"=1'-0"

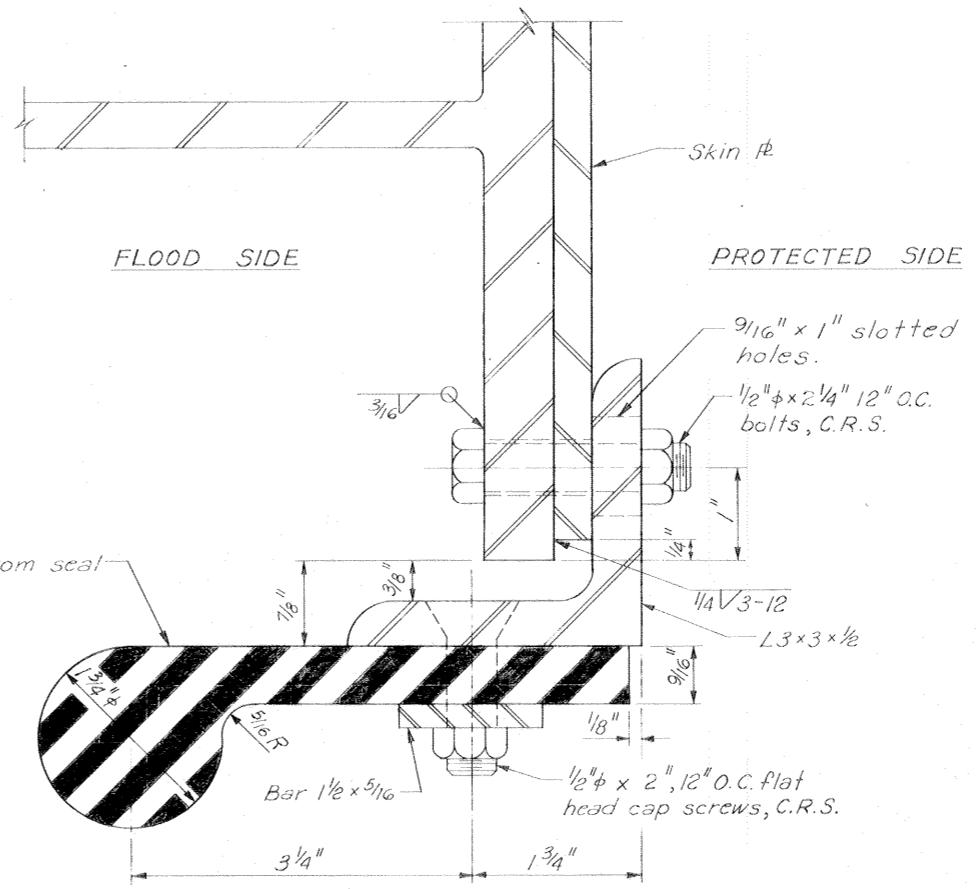
Safety is a Part of Your Contract



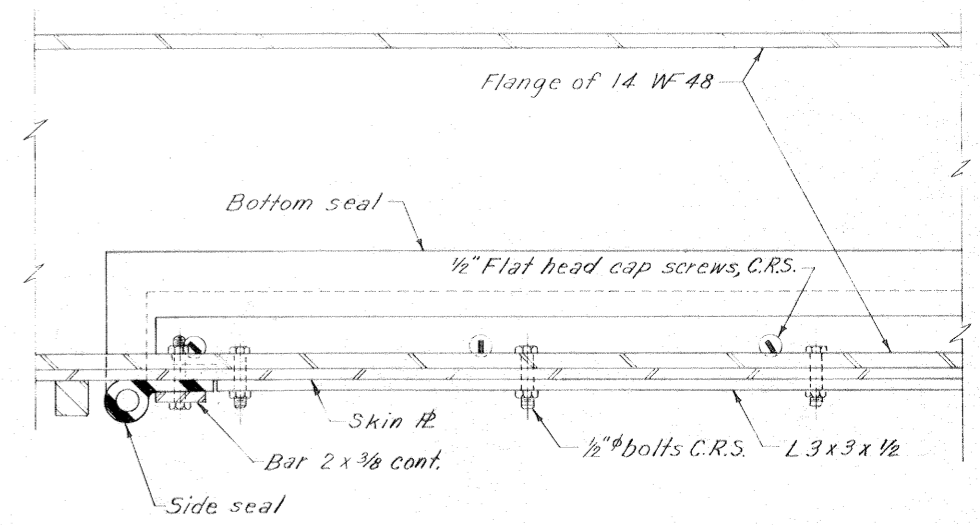
TYPICAL END ELEVATION
Scale: 3"=1'-0"



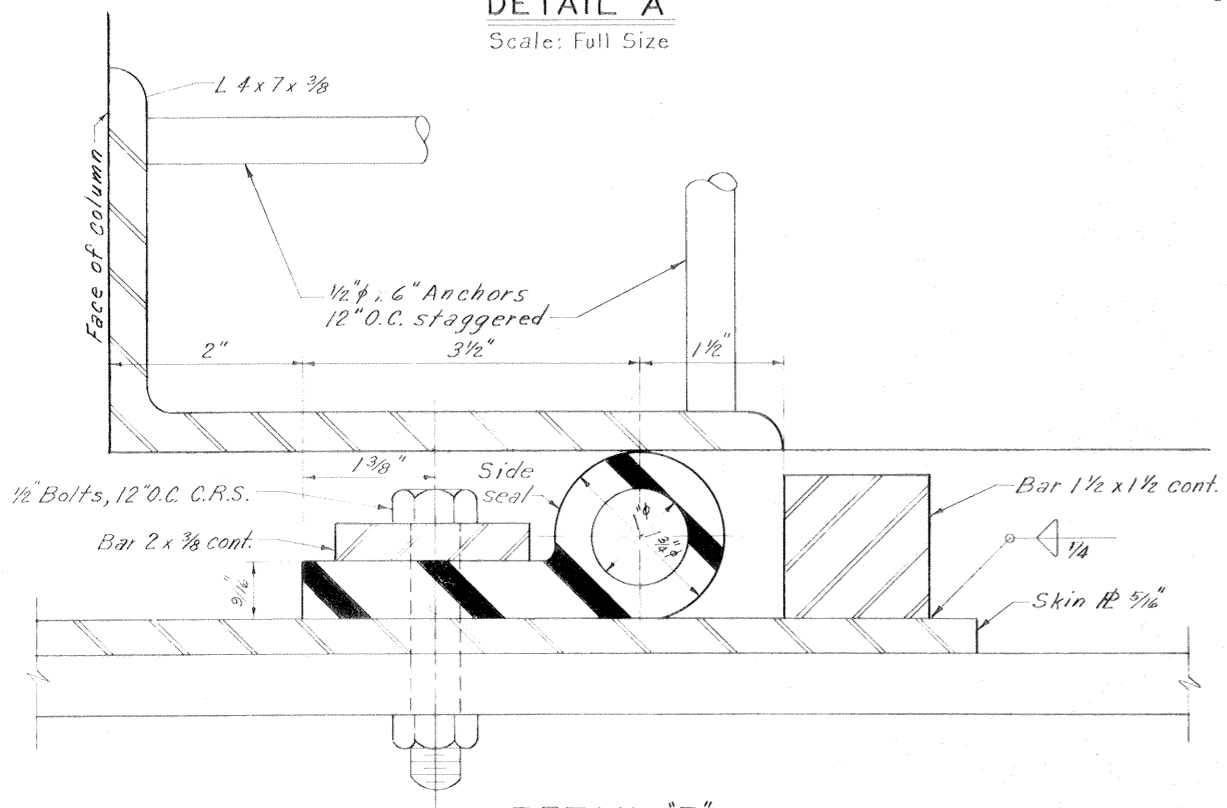
DETAIL A
Scale: Full Size



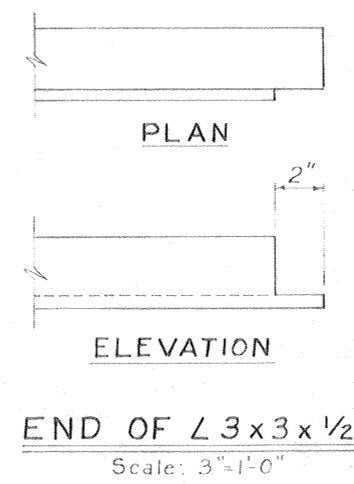
SECTION B-B
Scale: Full Size



SECTION A-A
Scale: 3"=1'-0"



DETAIL B
Scale: Full Size

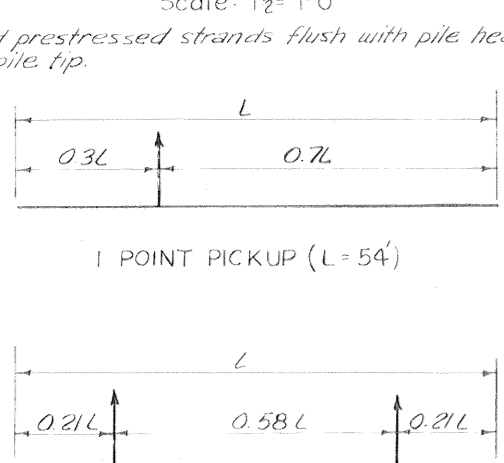
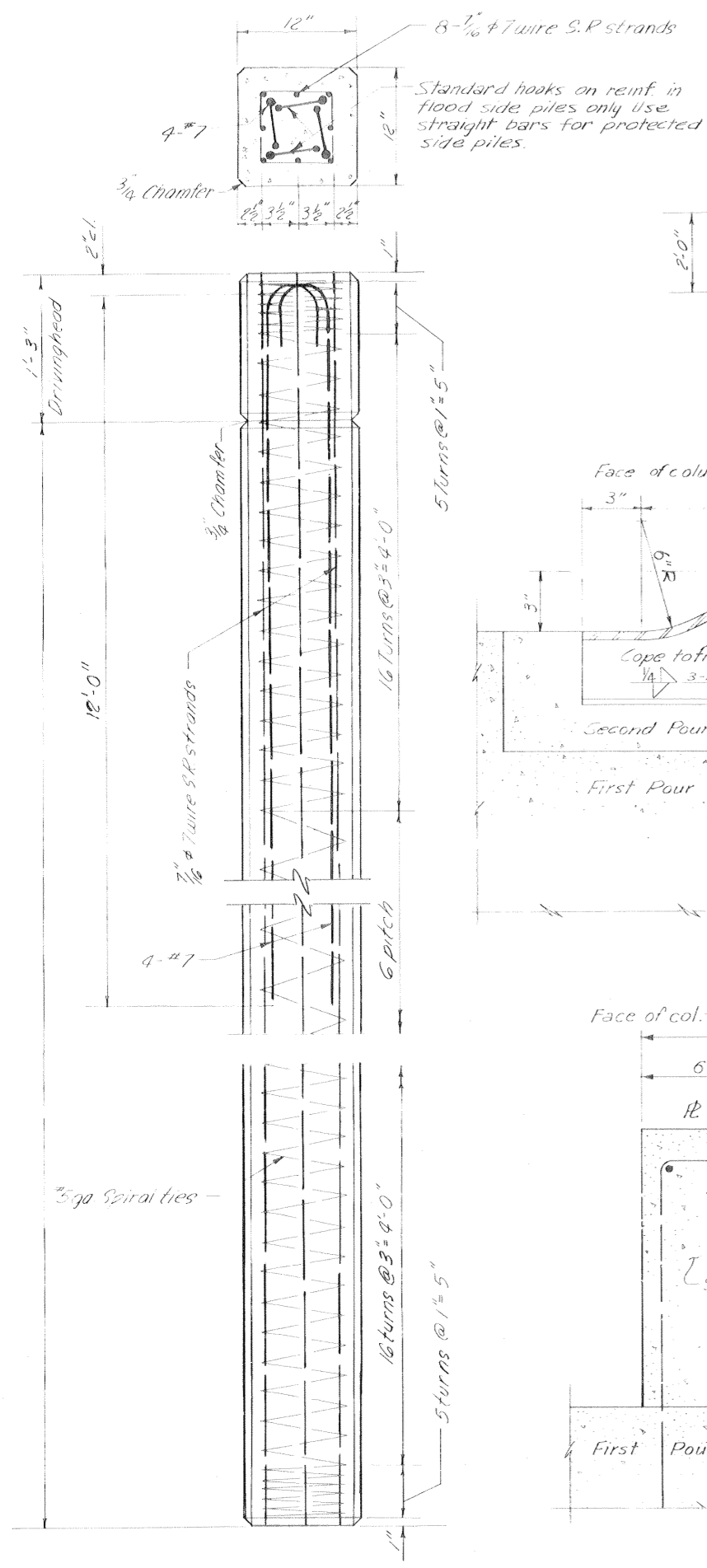


END OF L3x3x1/2
Scale: 3"=1'-0"

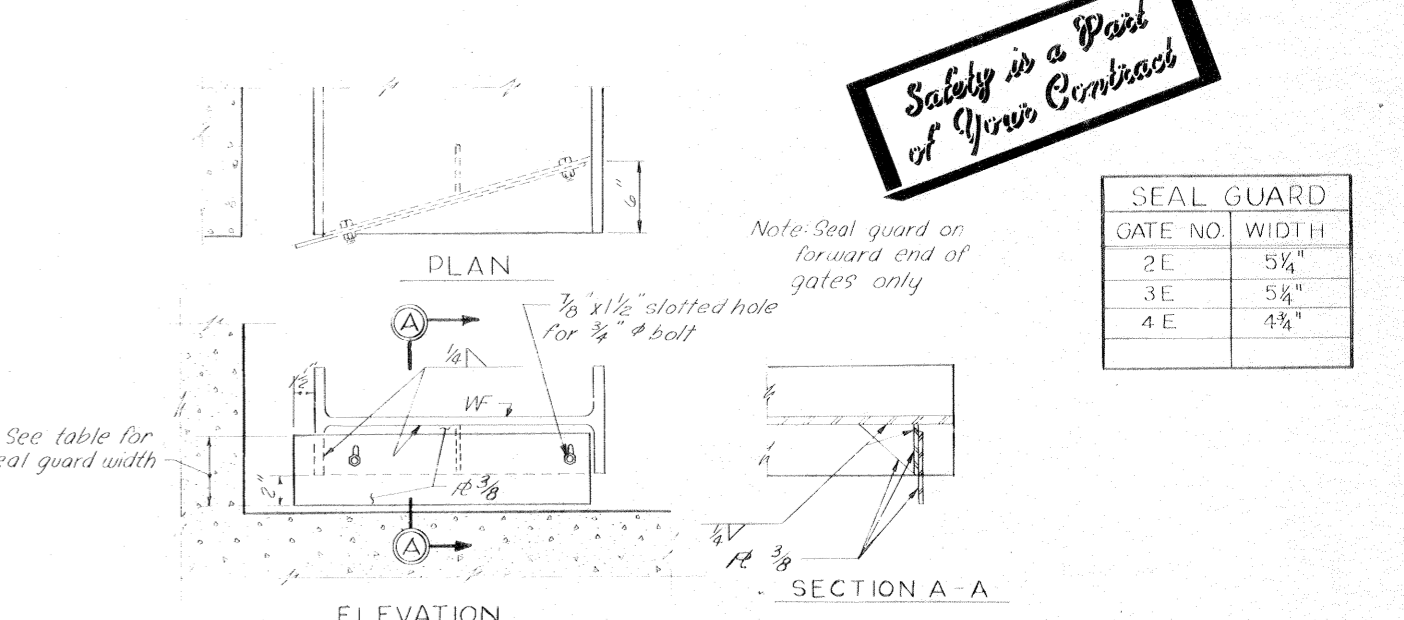
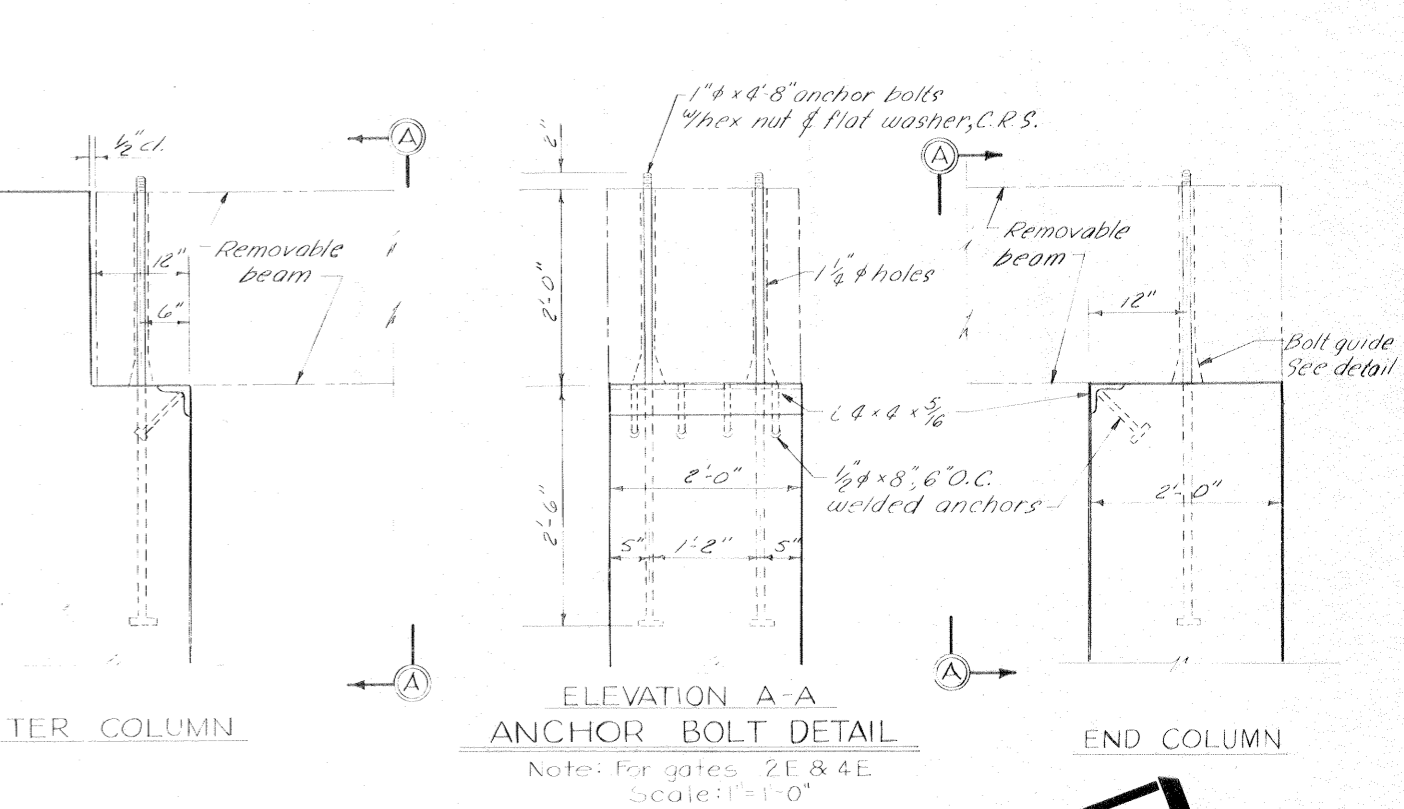
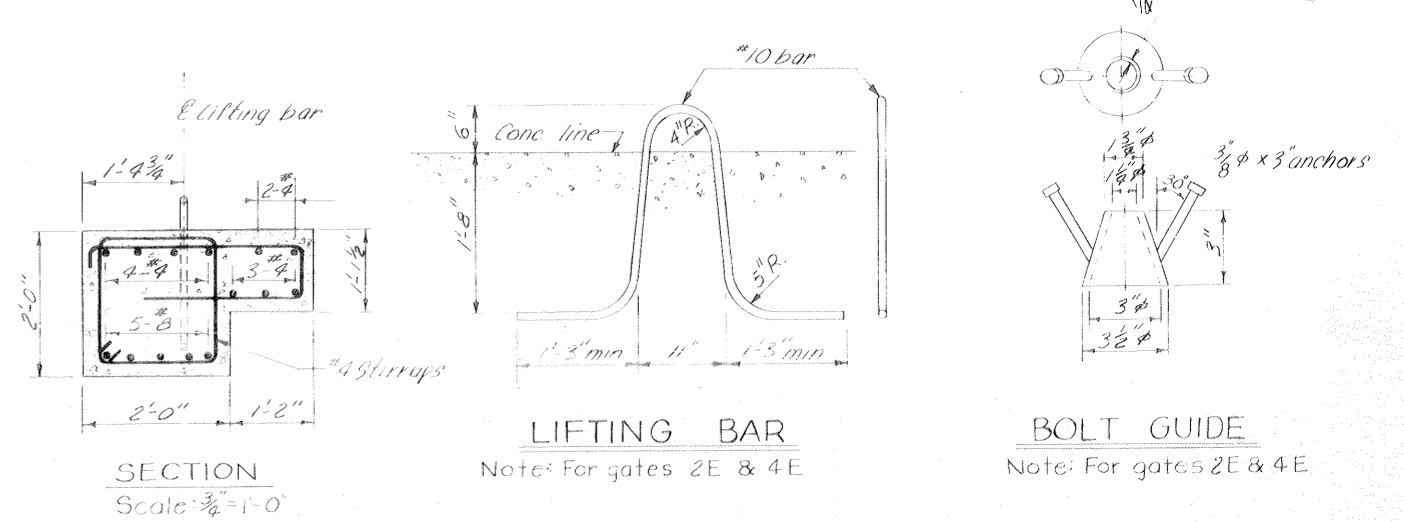
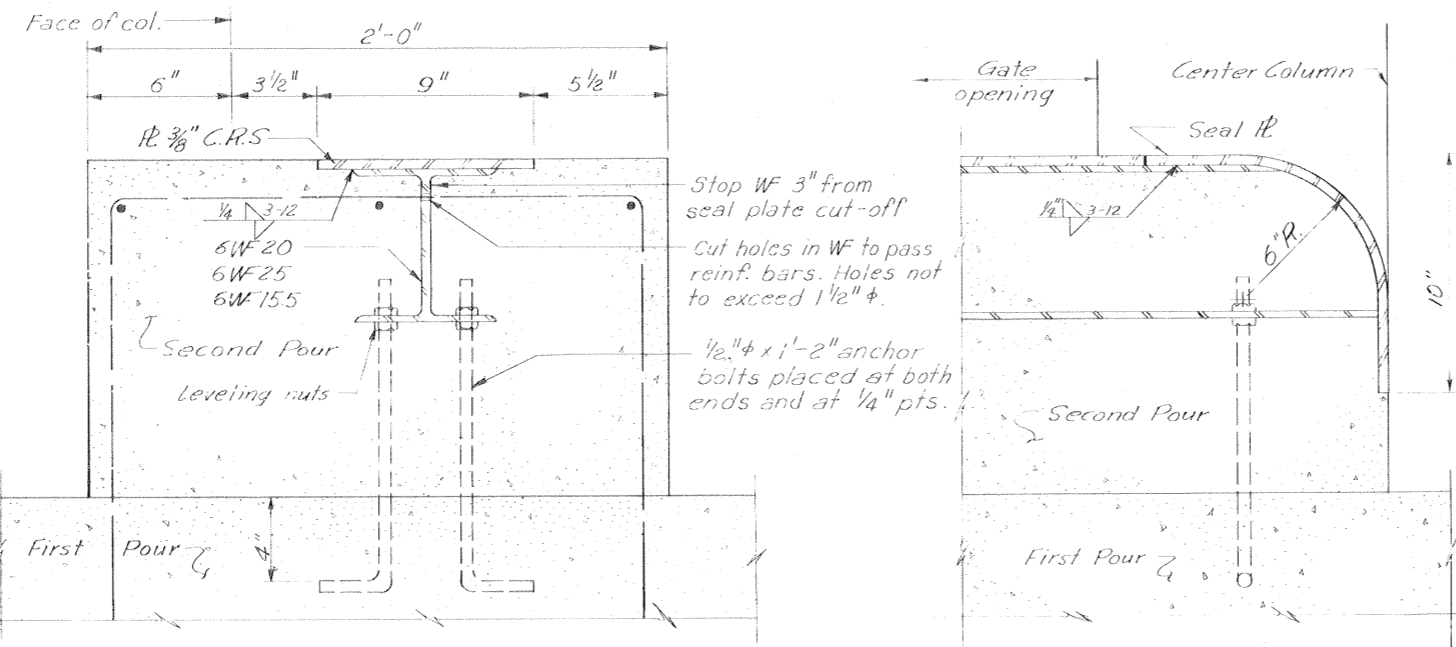
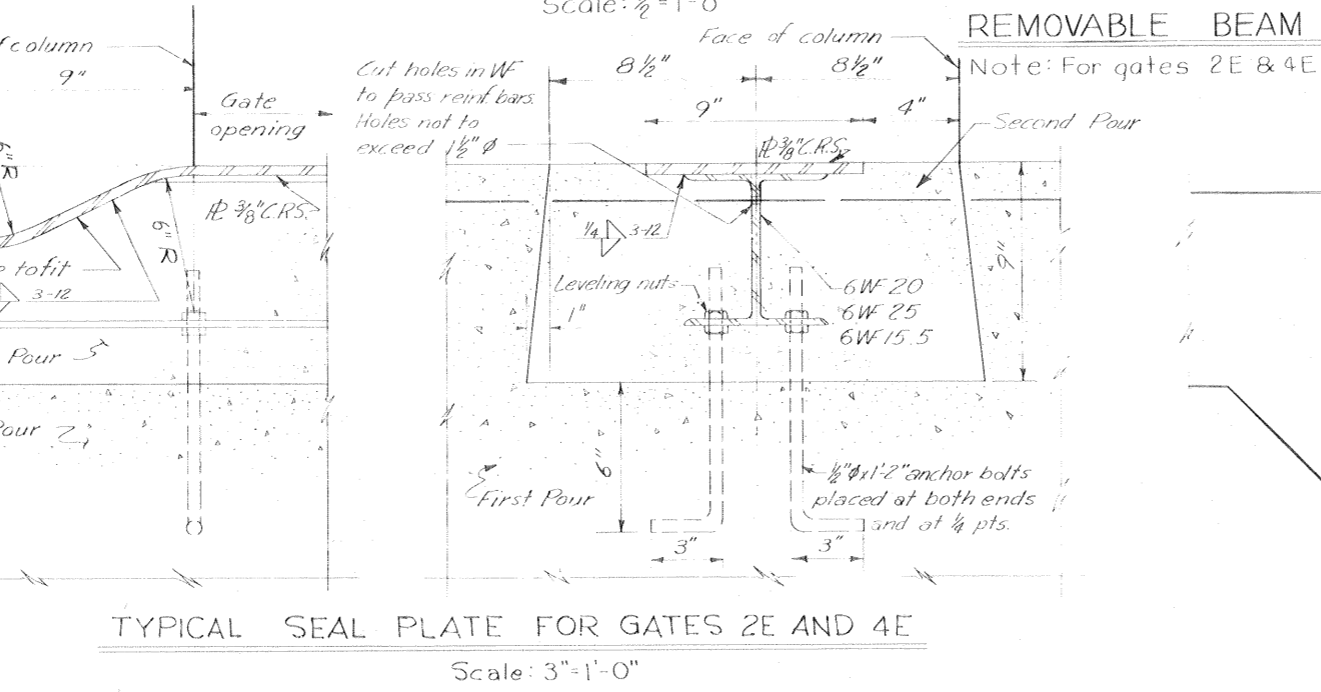
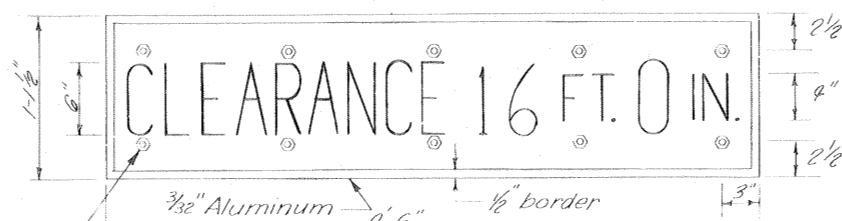
Note:
For general notes, see *dwg. 2*

SWING GATE-SEALS

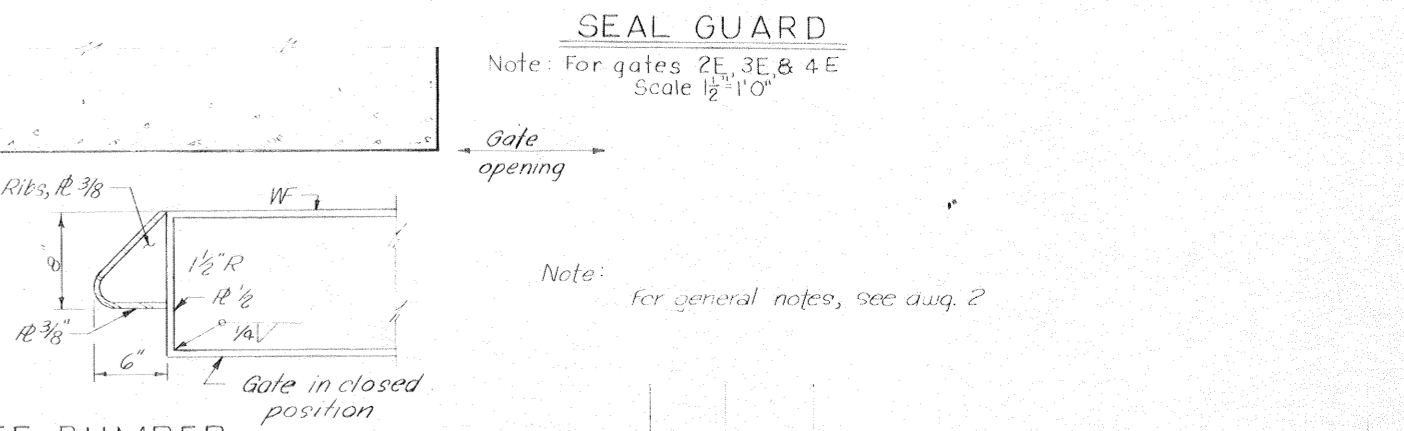
REVISION	DATE	DESCRIPTION	BY
DESIGNED: T.S.T.	DRAWN: G.P.M.	CHECKED: D.J.H.	FILE NO. H-4-24822
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0137 DWG. 47 OF 51



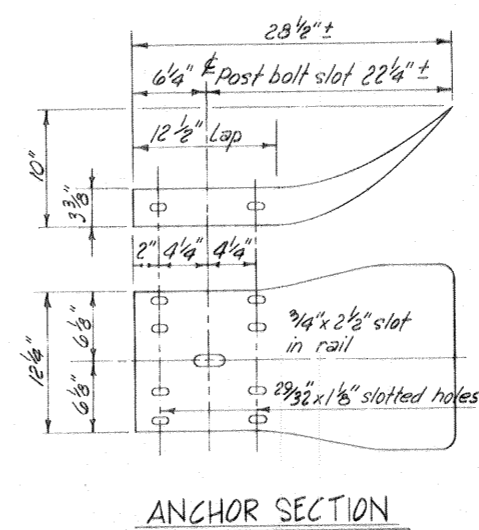
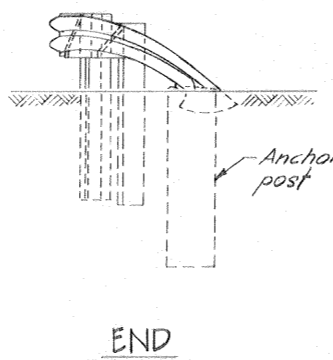
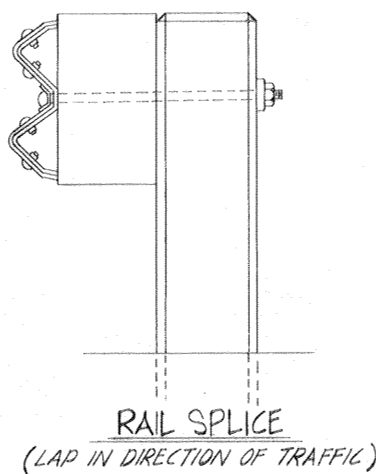
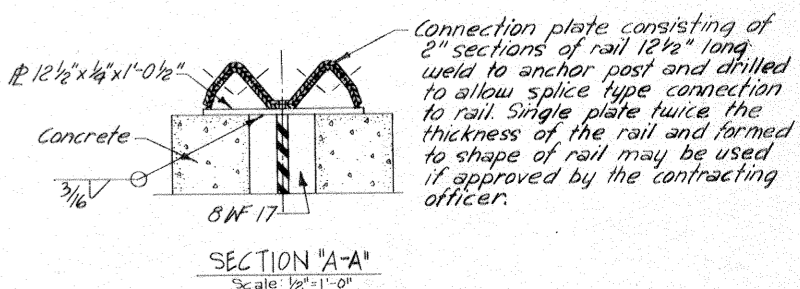
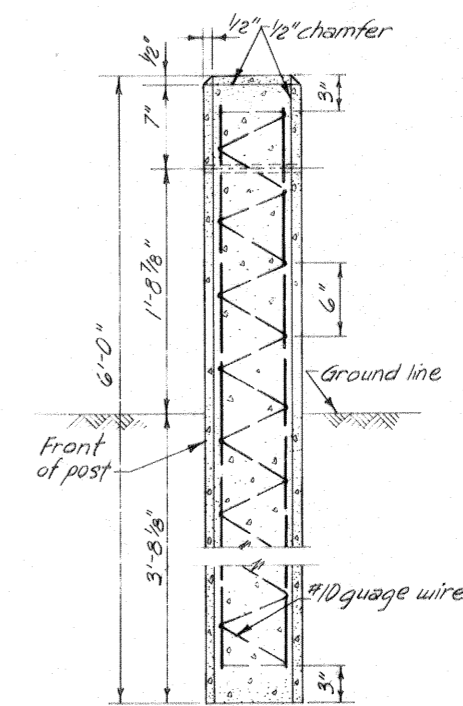
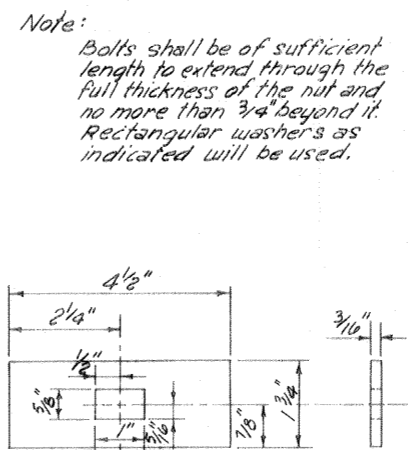
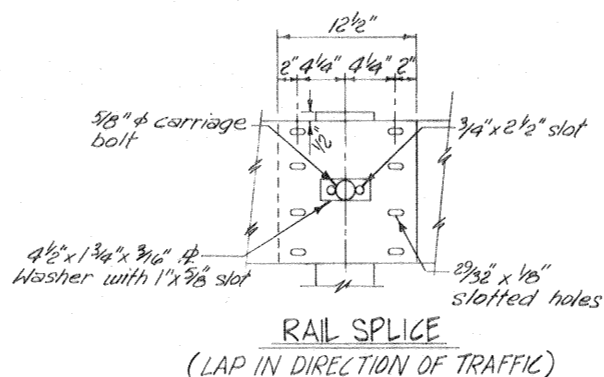
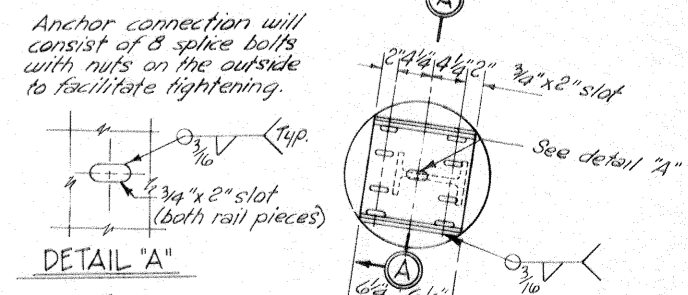
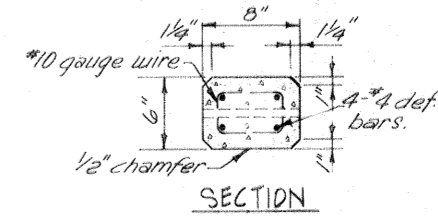
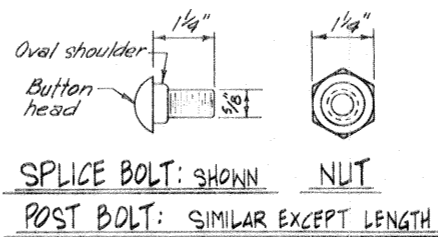
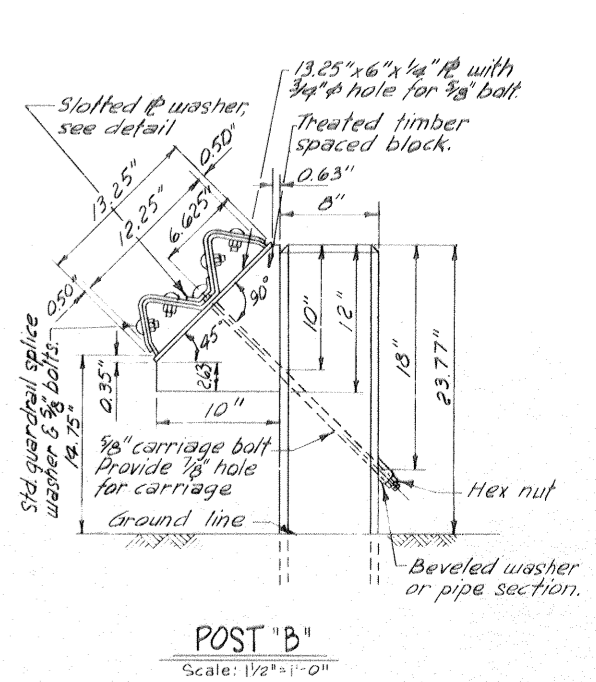
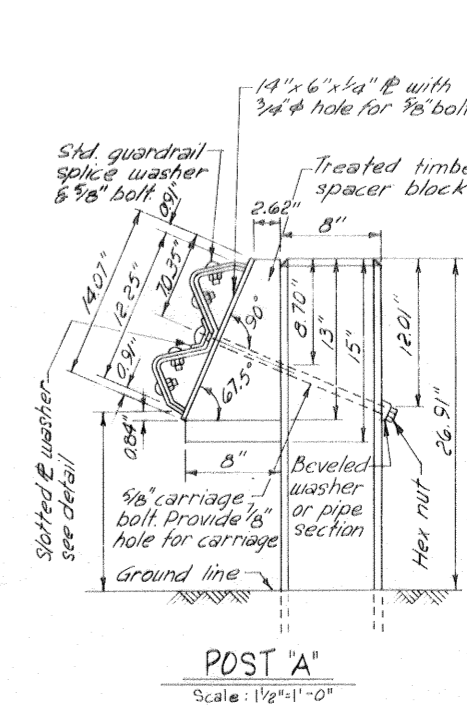
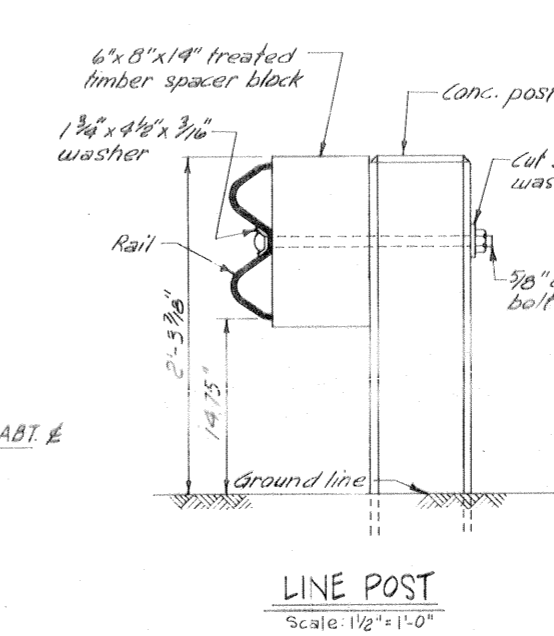
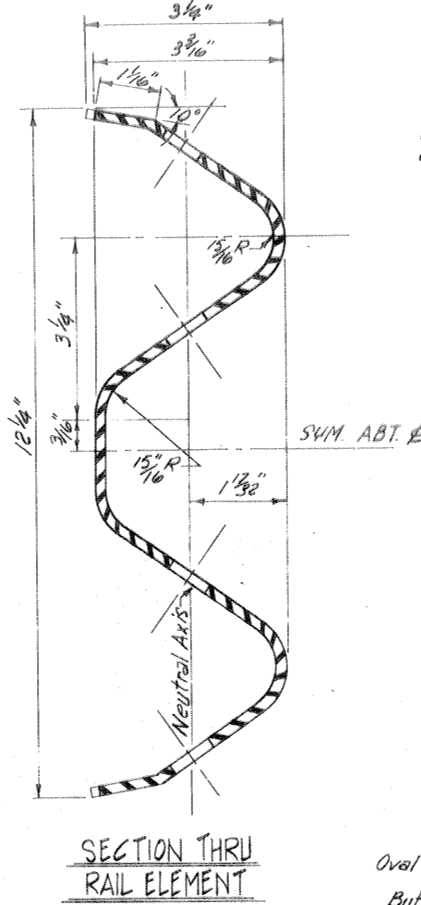
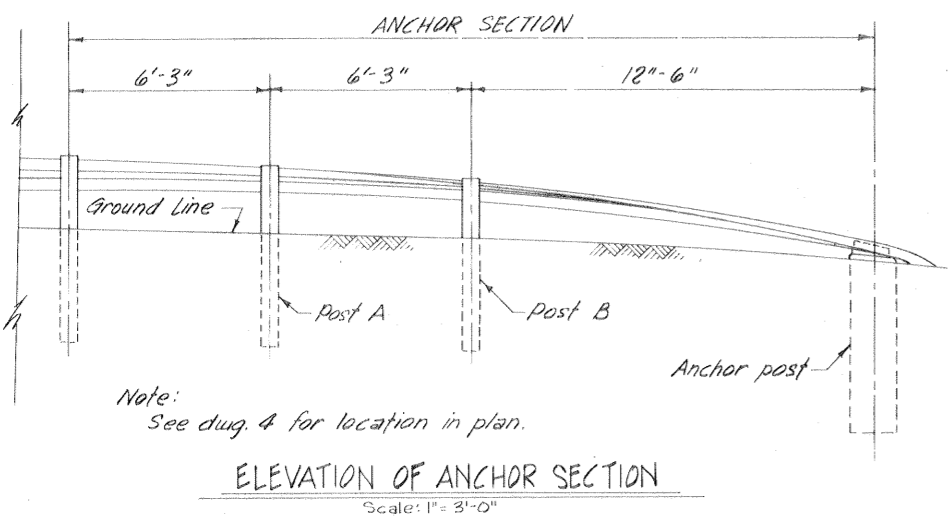
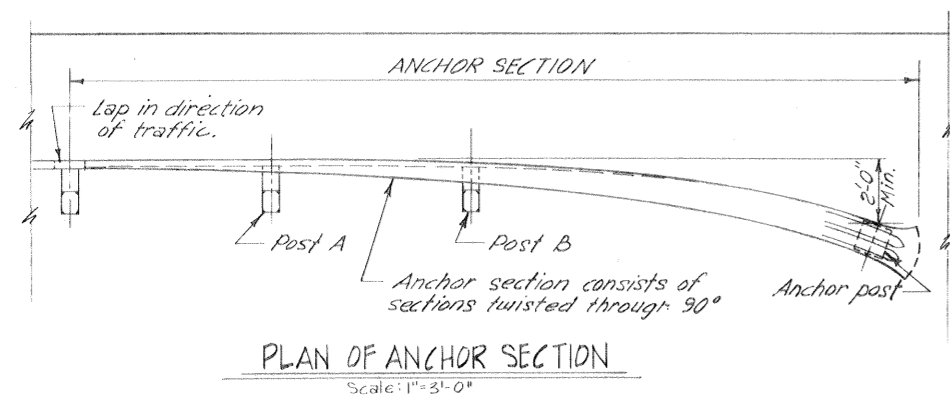
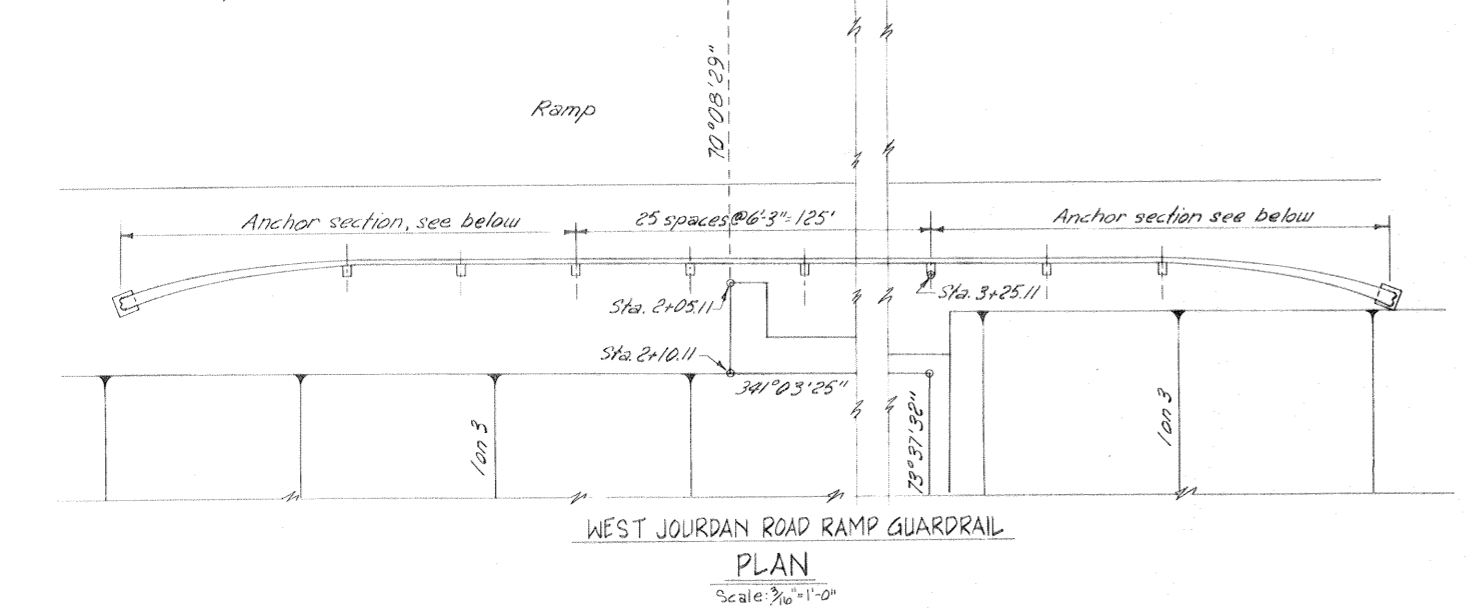
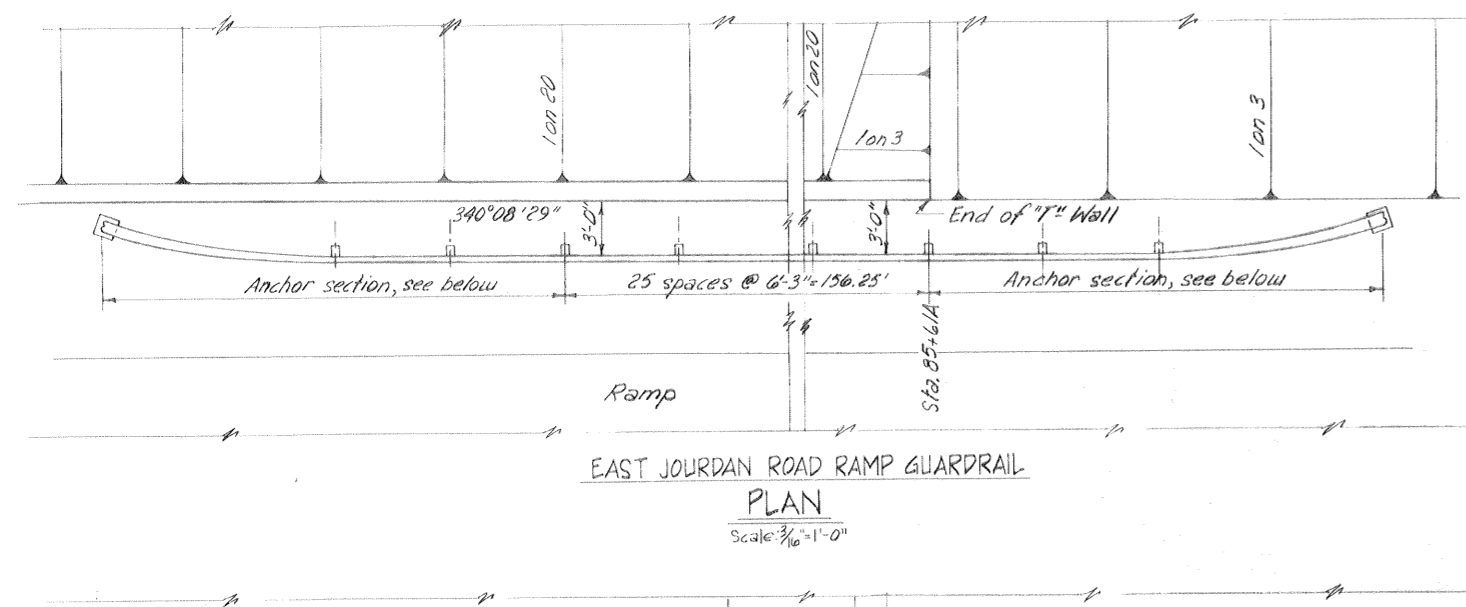
GATE NO.	VERTICAL CLEARANCE
2E	16'-0"
3E	22'-6"
4E	16'-0"



GATE NO.	WIDTH
2E	5 1/4"
3E	5 1/4"
4E	4 1/2"



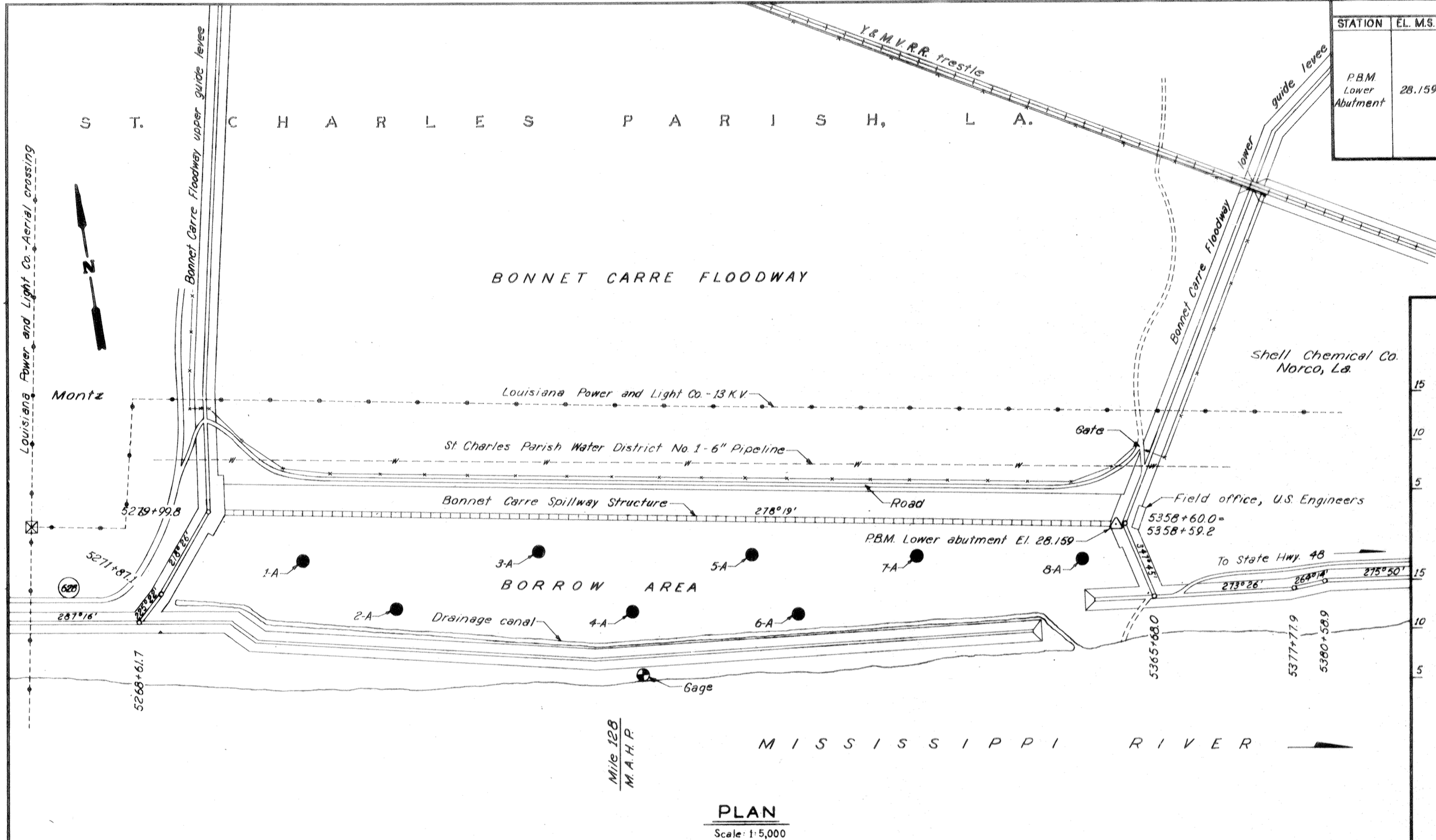
Safety is a Part of Your Contract



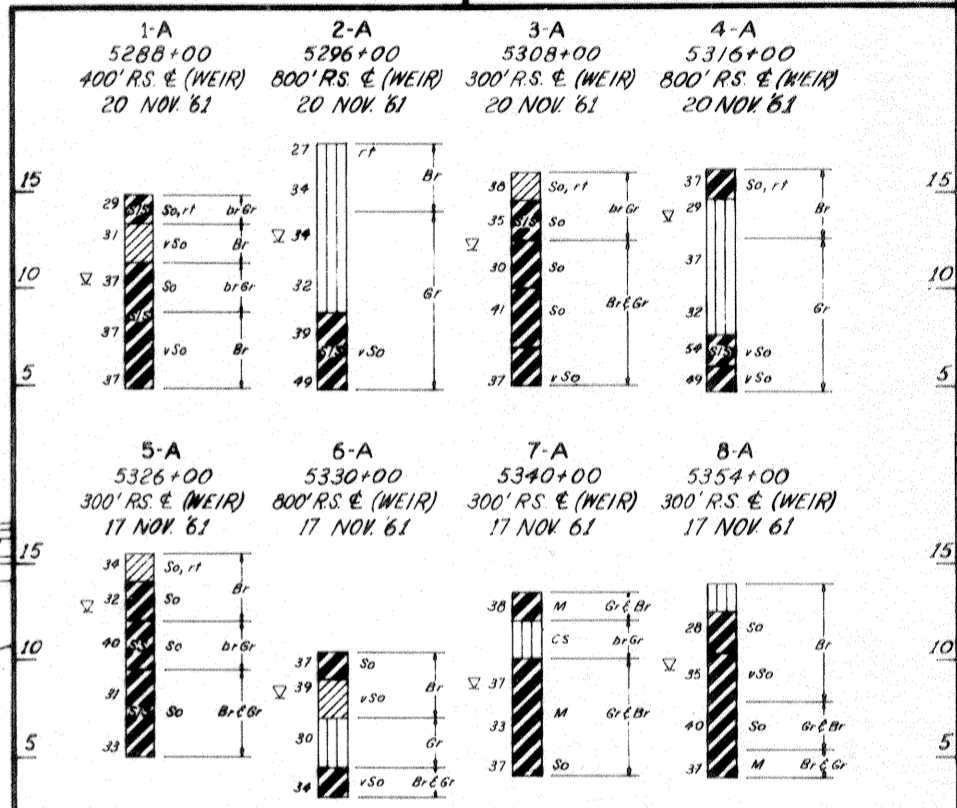
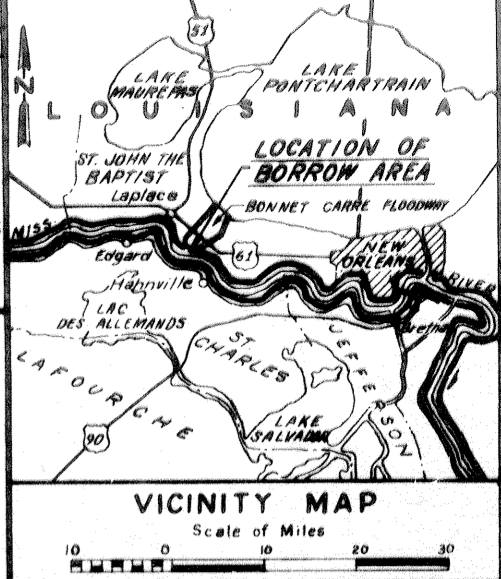
Safety is a Part of Your Contract

Note: For general note, see dwg. 2. For location of plan, see dwg. 4. Guardrail shall be 10 gauge steel, hot dipped galvanized.

REVISION	DATE	DESCRIPTION	BY
DESIGNED: E.J.M.	DRAWN: A.M.	CHECKED: D.A.M.	FILE NO. H-4-24822
DATE: MARCH 1970		SCALE SHOWN	SPEC. NO. DACW29-70-B-0137 DWG. NO. 49 OF 51



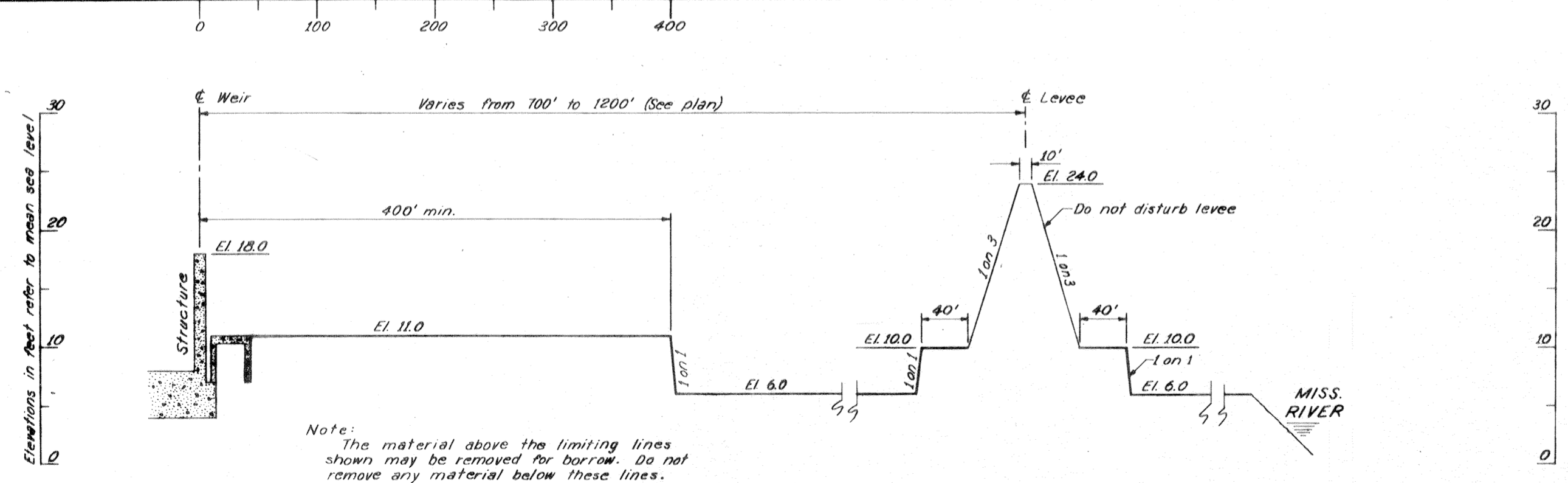
BENCH MARK		
STATION	EL. M.S.L.	LOCATION AND DESCRIPTION
P.B.M. Lower Abutment	28.159	Set on the top and near the center of the east concrete abutment of the spillway weir for the Bonnet Carre Spillway, between two tracks, 56 feet north of the north rail of the south track, 63 feet south of the south rail of the north track.



Notes:
 Elevations are expressed in feet and refer to mean sea level.
 Soil samples were taken with a 4" diameter post hole auger.
 For Soil Boring Legend see dwg. File No. H-2-21800.

BORINGS
 Vert. Scale: 1"=5'

PLAN
 Scale: 1"=5,000



TYPICAL SECTION FOR BORROW
 Scales: Hor. 1"=50'
 Vert. 1"=5'

Safety is a Part of Your Contract

BORROW AREA LOCATION-BONNET CARRE SPILLWAY

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.
K.J.C.	J.S.	W.N.S.	
DATE: MARCH 1970			SCALE: SHOWN
SPEC. NO. DACW 70-B-0137			DRG. 50 OF 51

