

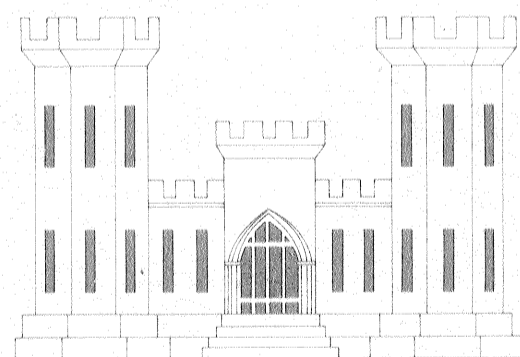
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY
LAKE PONTCHARTRAIN BARRIER PLAN
ORLEANS PARISH, LA.

INNER HARBOR NAVIGATION CANAL WEST LEVEE

U.S. HWY. 90 TO ALMONASTER AVE. (STA. 105 + 66 TO STA. 167 + 00)

PLANS FOR

LEVEE AND FLOODWALL



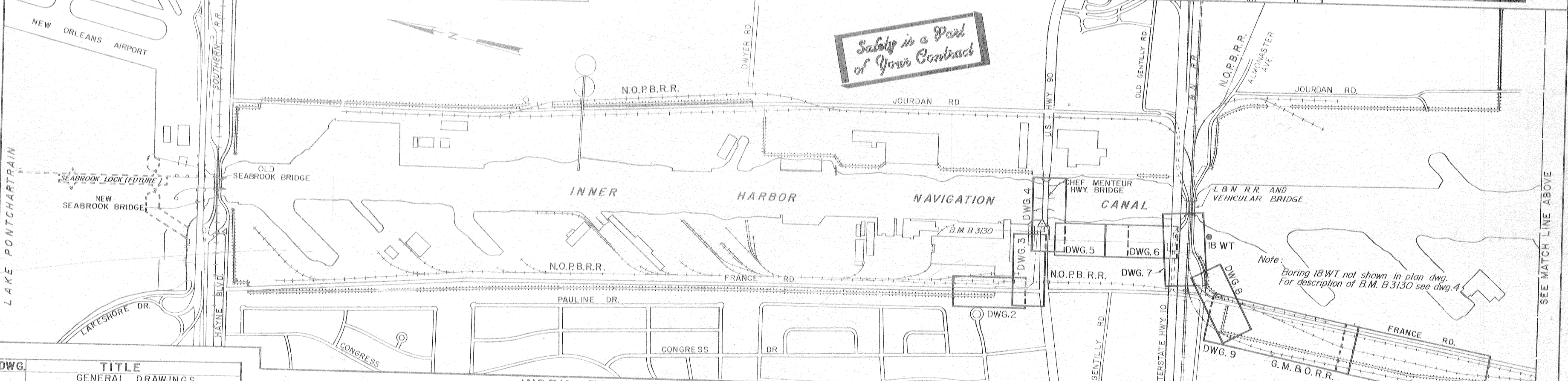
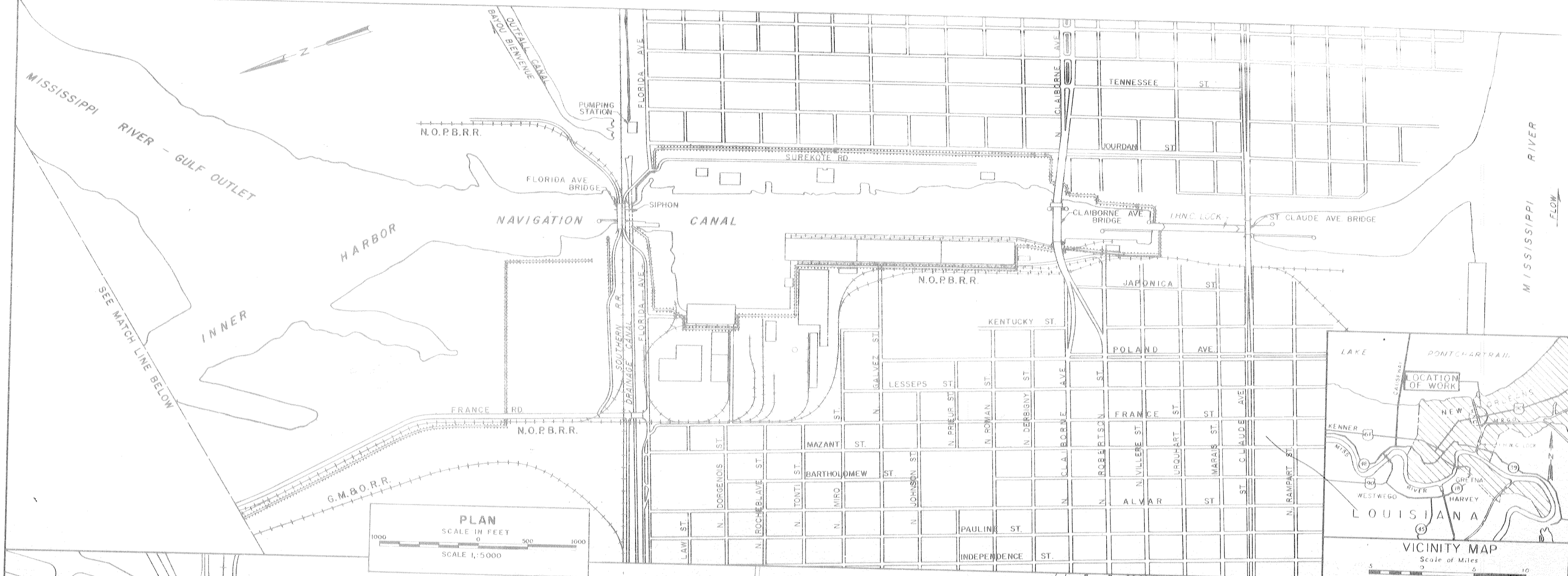
*Safety is a Part
of Your Contract*

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

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

CORPS OF ENGINEERS

1970



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12	TYPICAL WALL JOINTS
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25	GATE MONOLITH - GATE 8W
26	GATE MONOLITH - GATE 8W
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DWG.	TITLE
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36	OVERHEAD ROLLER GATES - GATES 7W & 8W
37	OVERHEAD ROLLER GATES - TROLLEY AND HANGER DETAILS
38	OVERHEAD ROLLER GATES - SEALS
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39	SWING GATES - GATES 3W, 4W AND 5W
40	SWING GATE - GATE 6W
*41	SWING GATES - HINGE DETAILS
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MISCELLANEOUS	
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45	R.R. FALSEWORK - GATE 8W
46	BORROW AREA LOCATION - BONNET CARRE SPILLWAY
47	BORROW AREA LOCATION - HOWZE BEACH
*47A	SWING GATES - HINGE DETAILS
48	PLATE A - SOIL BORING LEGEND
49	FILE NO H-2-21800
*11A	CONCRETE CAPPING AT FRANCE ROAD RAMP

9-3-71 ADDED DRAWING 11A MOD. P014
6-11-71 ADDED DRAWING 41A MODIFICATION P011

DESIGNED BY: D.A.M.
DRAWN BY: A.M.
CHECKED BY: H.L.B.
IN CHARGE: R.C.A.

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
LEVEE AND FLOODWALL
WEST LEVEE - U.S. HWY. 90 TO ALMONASTER AVE

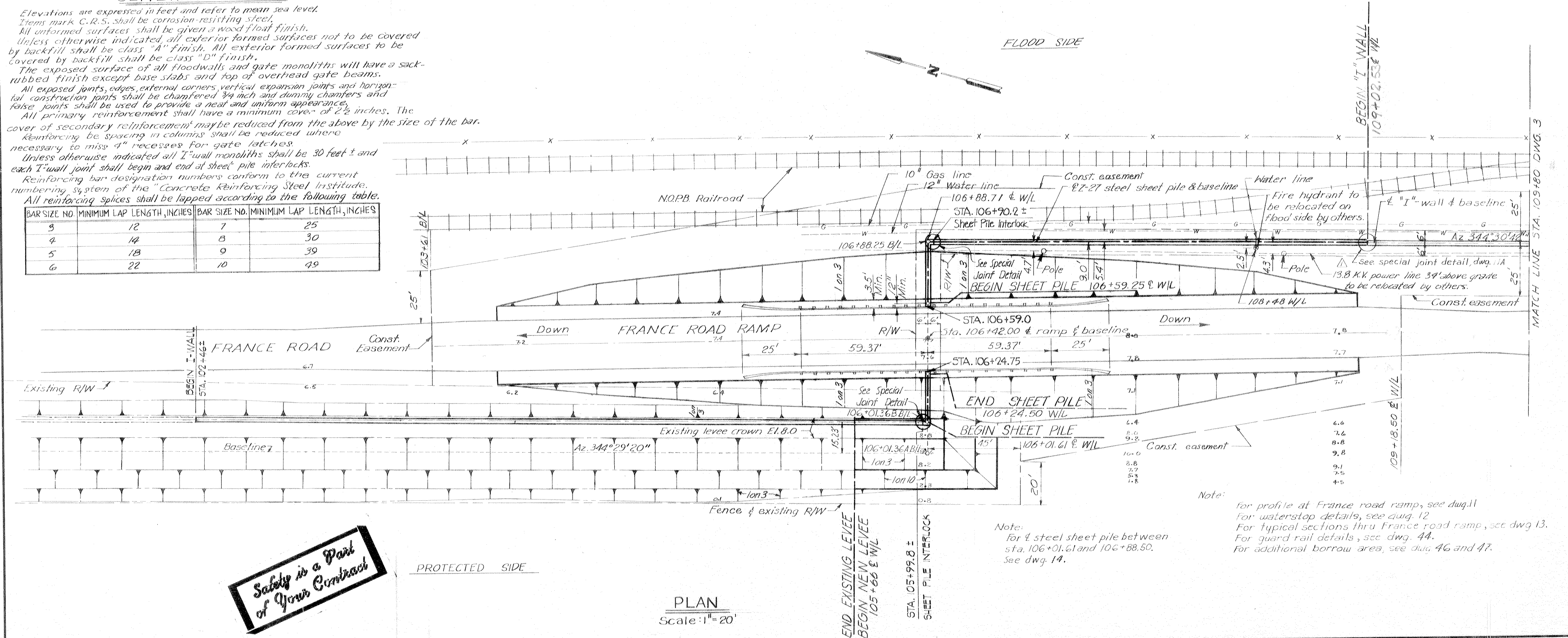
FILE NO: H-4-24692

SCALE SHOWN: SPEC NO: DACW29 70-B-0126 DWG NO: 1 OF 47

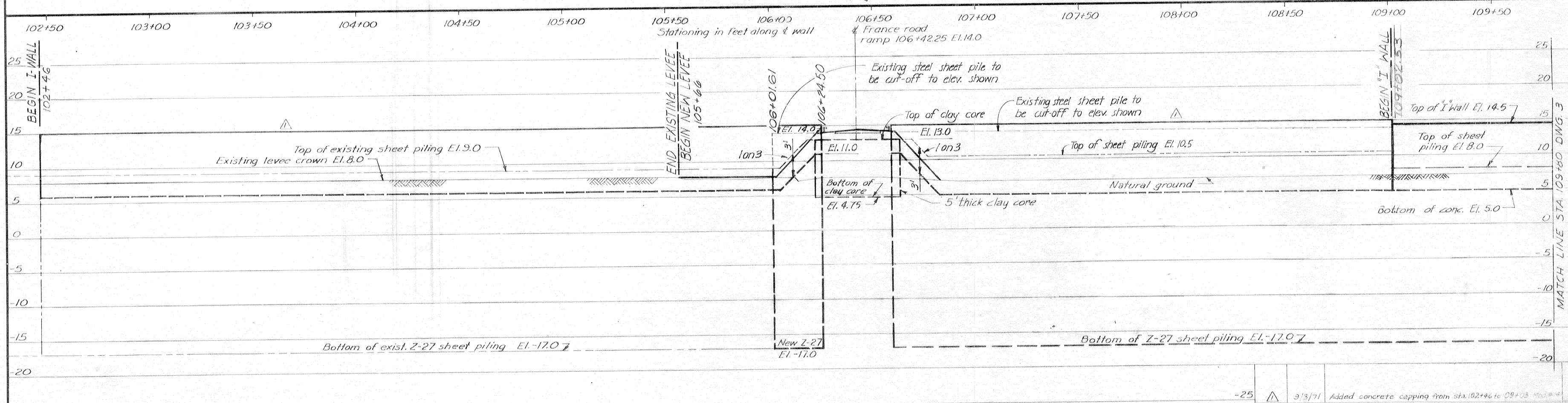
GENERAL NOTES

Elevations are expressed in feet and refer to mean sea level.
 Items mark 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.
 The exposed surface of all floodwalls and gate monoliths will have a sack-rubbed finish except base slabs and top of overhead gate beams.
 All exposed joints, edges, external corners, vertical expansion joints and horizontal construction joints shall be chamfered 3/4 inch and dummy chamfers and raise joints shall be used to provide a neat and uniform appearance.
 All primary reinforcement shall have a minimum cover of 2 1/2 inches. The cover of secondary reinforcement may be reduced from the above by the size of the bar.
 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'



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

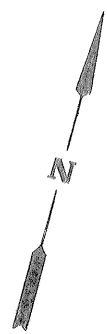
DESIGNED: H.L.B.	DRAWN: G.L.M.	CHECKED: E. J. M.	CODE IDENT. NO.	SIZE	FILE NO.
DATE: MARCH 1970			SCALE: SHOWN	SPEC. NO. DACW29-70-B-0126	DWG. NO. 2 OF 47

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PROTECTED SIDE

FLOOD SIDE

EQUITABLE-HIGGINS SHIPYARDS INC.



Note:
For E I-wall and sheet pile between
stas. 111+75.10 and 112+20.61 see dwg. 14.

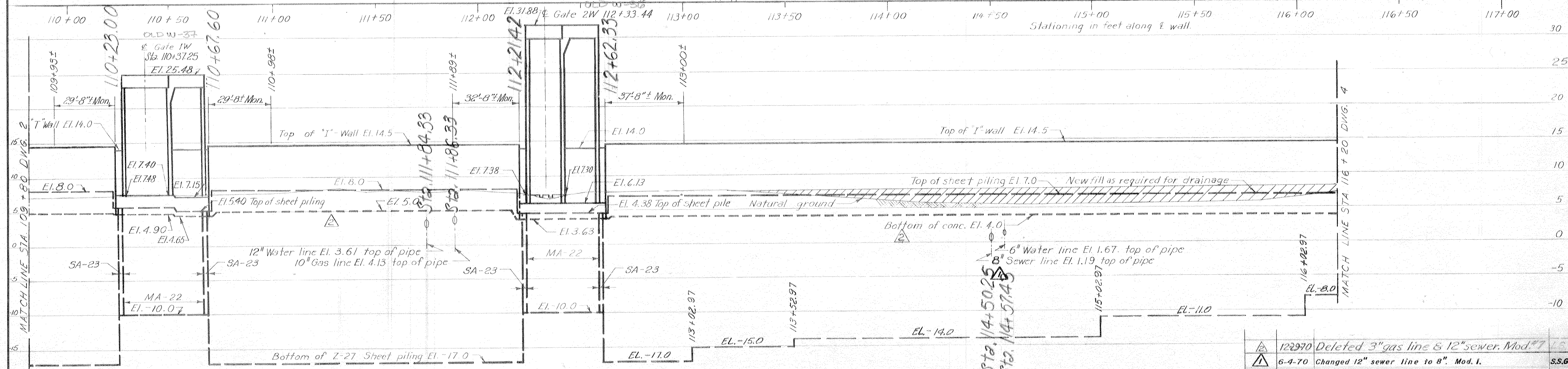
PLAN

Scale: 1" = 20'

15WT ● Soil boring location

Note:
Railroad tracks will be removed
and replaced by others.

Note:
For general notes, see dwg. 2.



PROFILE

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

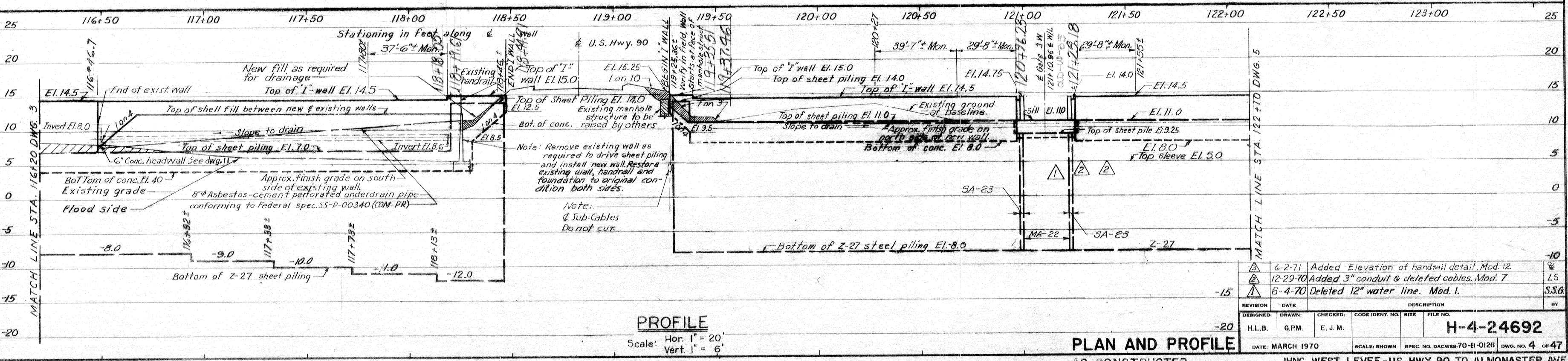
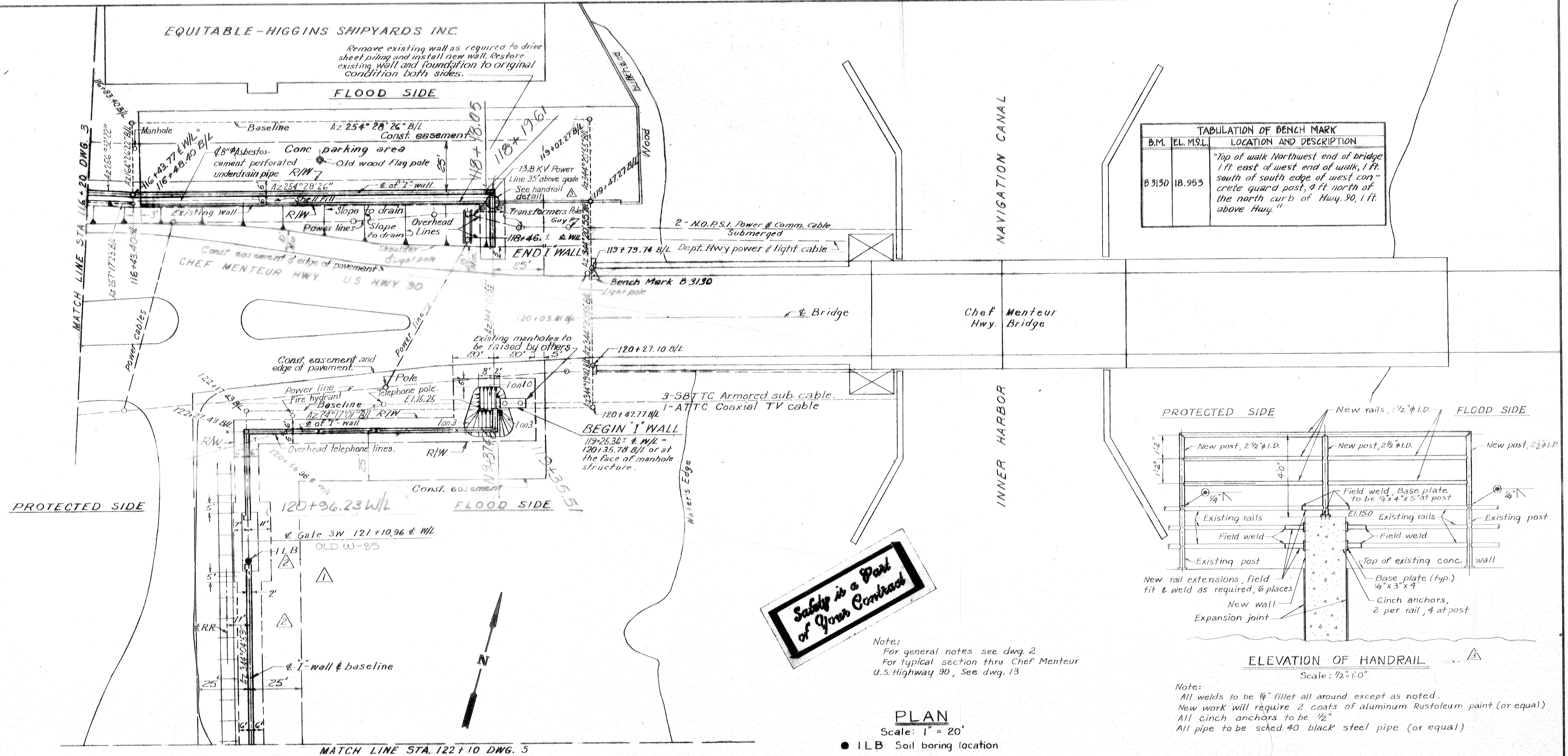
PLAN AND PROFILE

DESIGNED	H.L.B.	DRAWN	G.P.M.	CHECKED	E.J.M.	CODE IDENT. NO.	SIZE	FILE NO.	DESCRIPTION	BY
122970 Deleted 3" gas line & 12" sewer. Mod. #7 6-4-70 Changed 12" sewer line to 8". Mod. 1.									S.S.G.	
H-4-24692										

EQUITABLE-HIGGINS SHIPYARDS INC

Remove existing wall as required to drive sheet piling and install new wall. Restore existing wall and foundation to original condition both sides.

TABULATION OF BENCH MARK		
B.M.	EL. M.S.L.	LOCATION AND 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."



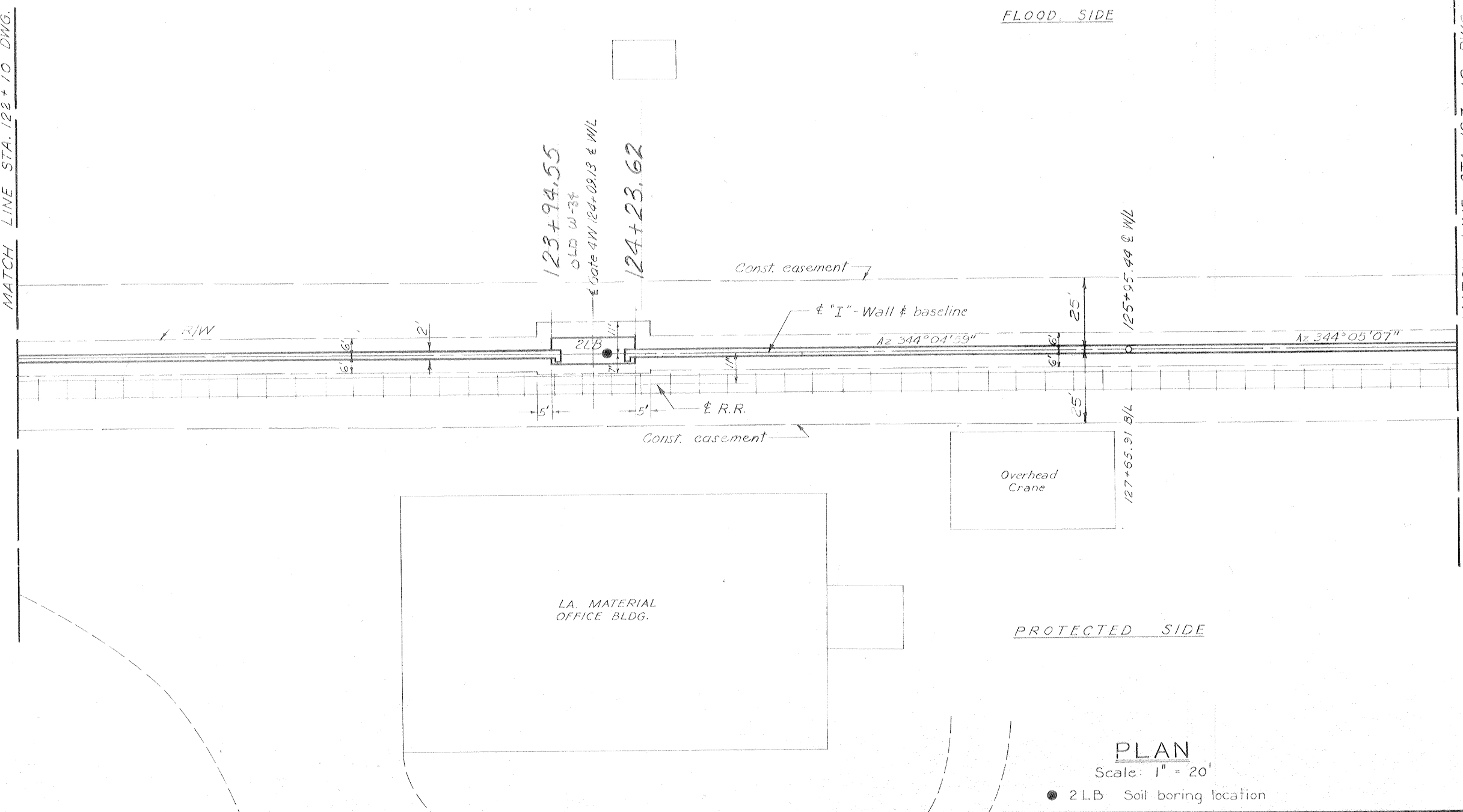
REVISION	DATE	DESCRIPTION	BY
6-2-71		Added Elevation of handrail detail, Mod. 12	LS
12-29-70		Added 3" conduit & deleted cables, Mod. 7	SSB
6-4-70		Deleted 12" water line, Mod. 1.	

DESIGNED BY: H.L.B. DRAWN BY: G.P.M. CHECKED BY: E.J.M. CODE IDENT. NO.: H-4-24692 FILE NO.: DATE: MARCH 1970 SCALE: SHOWN SPEC. NO. DACW28-70-B-0126 DWG. NO. 4 OF 47



MATCH LINE STA. 122+10 DWG. 4

MATCH LINE STA. 127+10 DWG. 6



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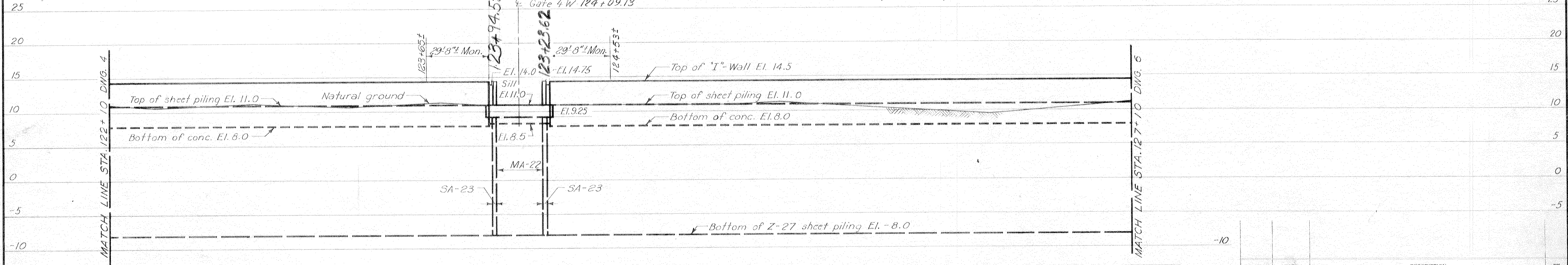
Note:
For general notes, see dwg. 2.

PLAN

Scale: 1" = 20'

● 2LB Soil boring location

122+00 122+50 123+00 123+50 124+00 124+50 125+00 125+50 126+00 126+50 127+00 127+50 128+00 128+50 129+00



PROFILE

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

AS CONSTRUCTED

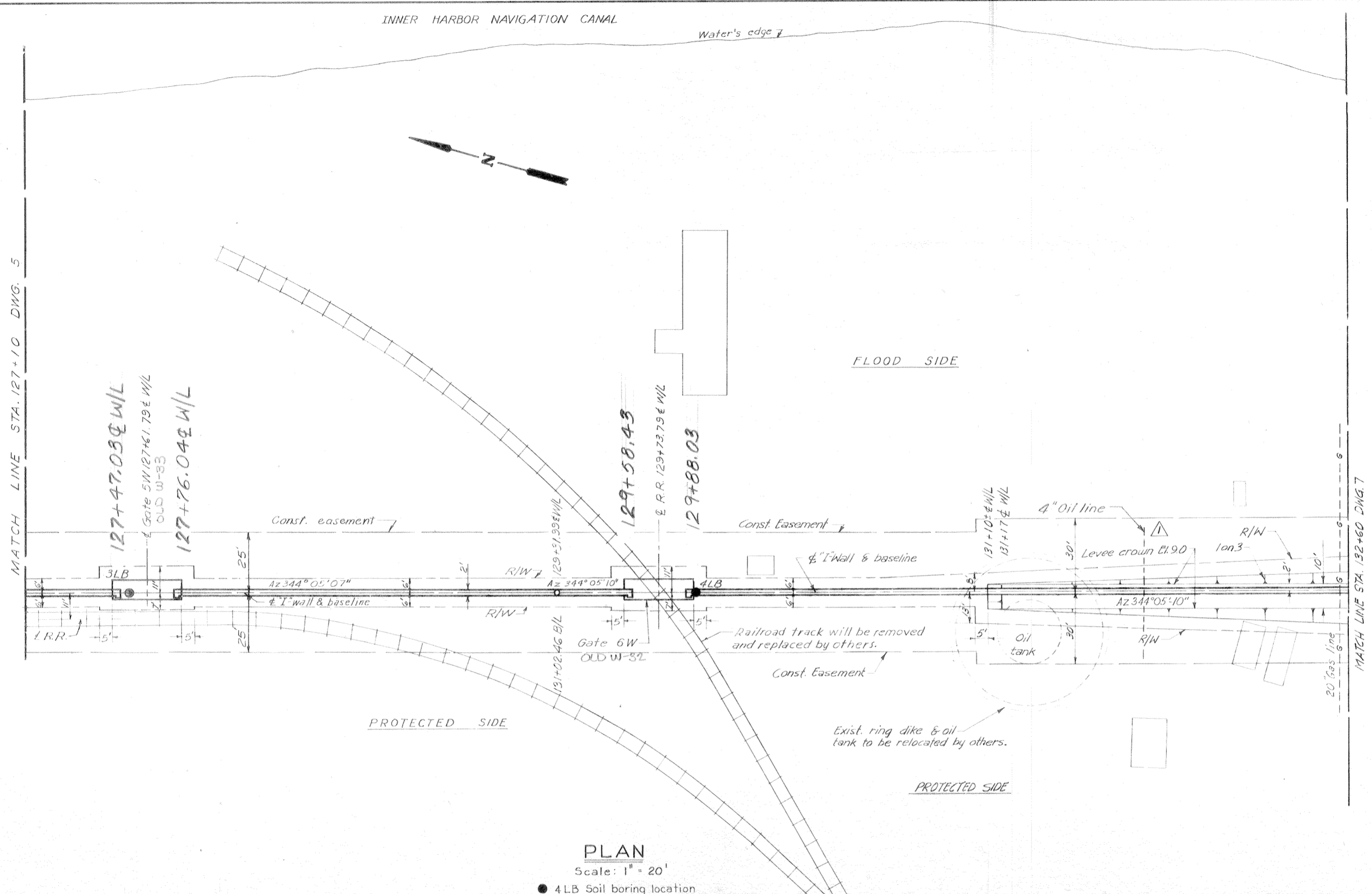
PLAN AND PROFILE

AS CONSTRUCTED

REVISION	DATE	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY
DESIGNED		DRAWN				
H.L.B.	J.J.P.	E.J.M.				
DATE: MARCH 1970		SCALE SHOWN		SPEC. NO. DACW2970-B-0126		DWG. NO. 5 OF 47

H-4-24692

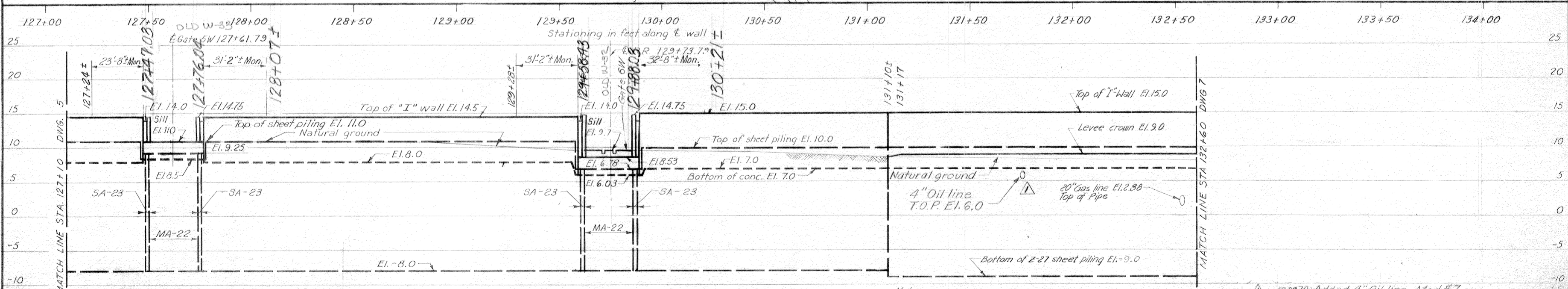
Safety is a Part of Your Contract



PLAN
Scale: 1" = 20'

● 4 LB Soil boring location

Note:
For general notes, see dwg. 2.



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

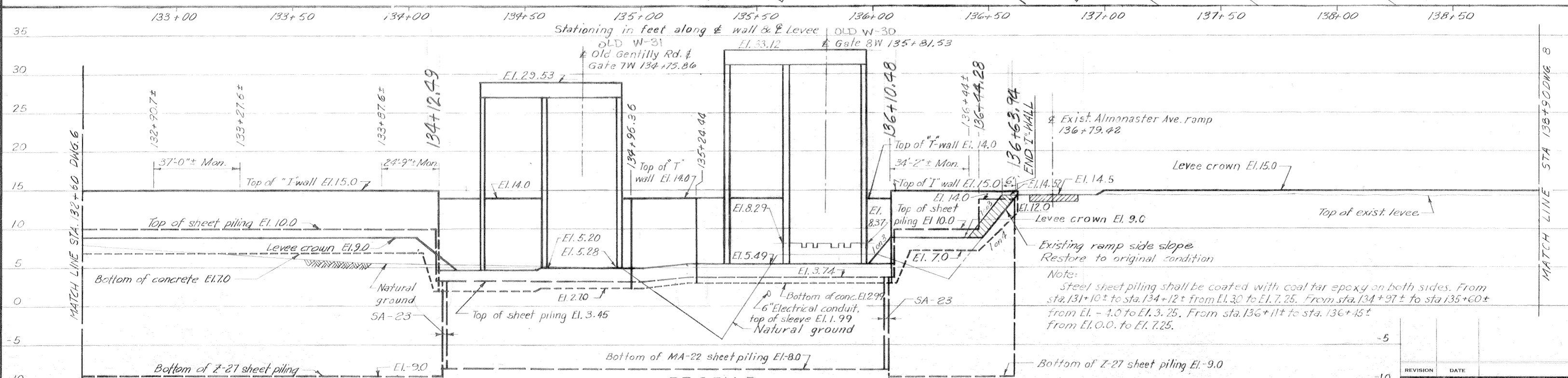
Note:
Steel sheet piling shall be coated with coal tar epoxy on both sides from sta. 131+10± to sta. 132+2± from El. 6.0 to El. 7.0.

REVISION	DATE	DESCRIPTION	BY
12-29-70		Added 4" Oil line. Mod. #7	
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
H.L.B.	J.J.P.	E.J.M.	
H-4-24692			
DATE: MARCH 1970	SCALE: SHOWN	SPEC. NO. DACW26-70-B-0126	DWG. NO. 6 OF 47



Safety is a Part of Your Contract

Note:
 For general notes see dwg. 2.
 For guard rail details, see dwg. 44.
 For railroad falsework req'd. for gate 8W see dwg. 45.



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

PLAN AND PROFILE
 AS CONSTRUCTED

REVISION	DATE	CHECKED	DESCRIPTION
DESIGNED			
H.L.B.		E.J.C.	
DRAWN		E.J.M.	

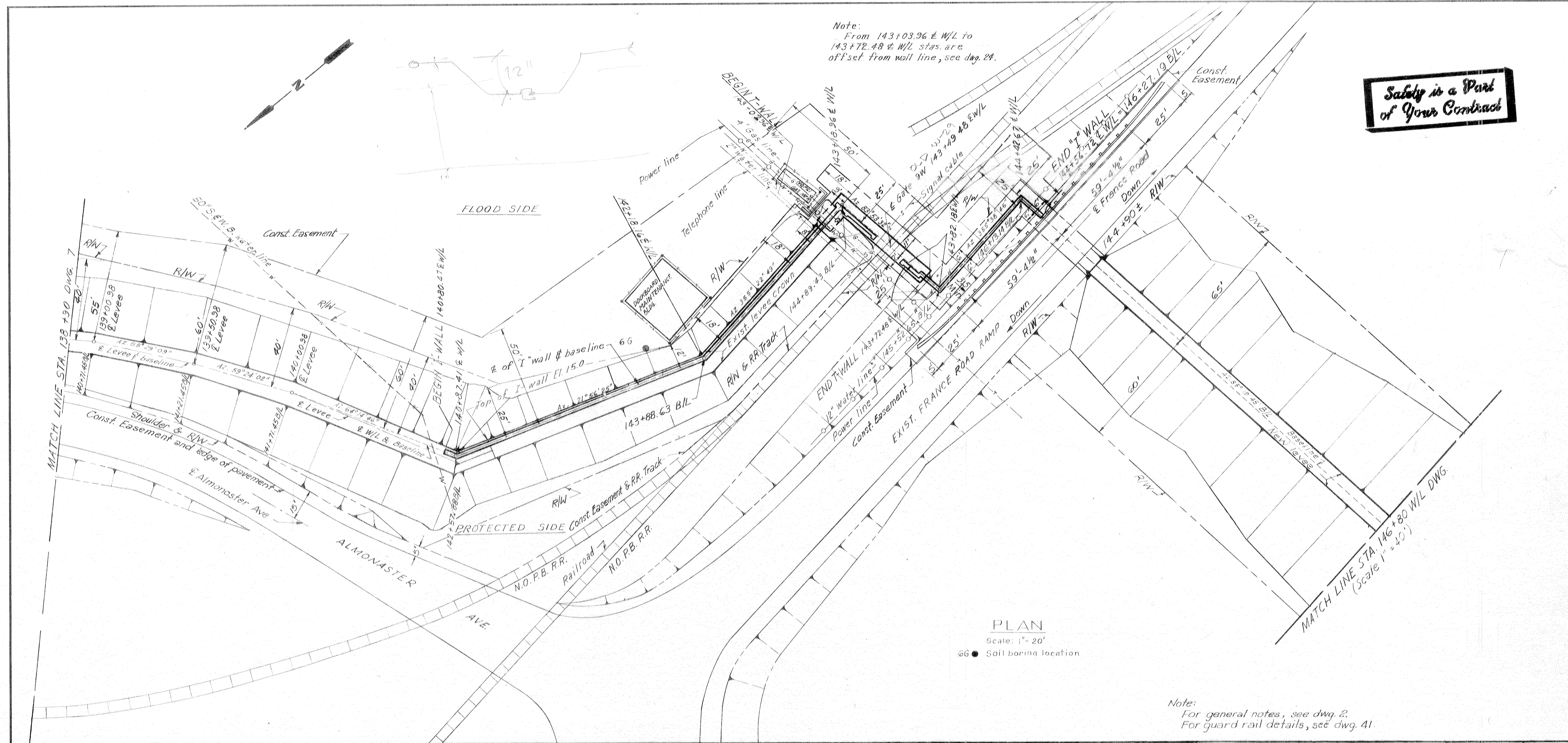
DATE: MARCH 1970

FILE NO. **H-4-24692**

SCALE SHOWN: SPEC. NO. DACW29-70-B-0126 DWG. NO. 7 OF 47

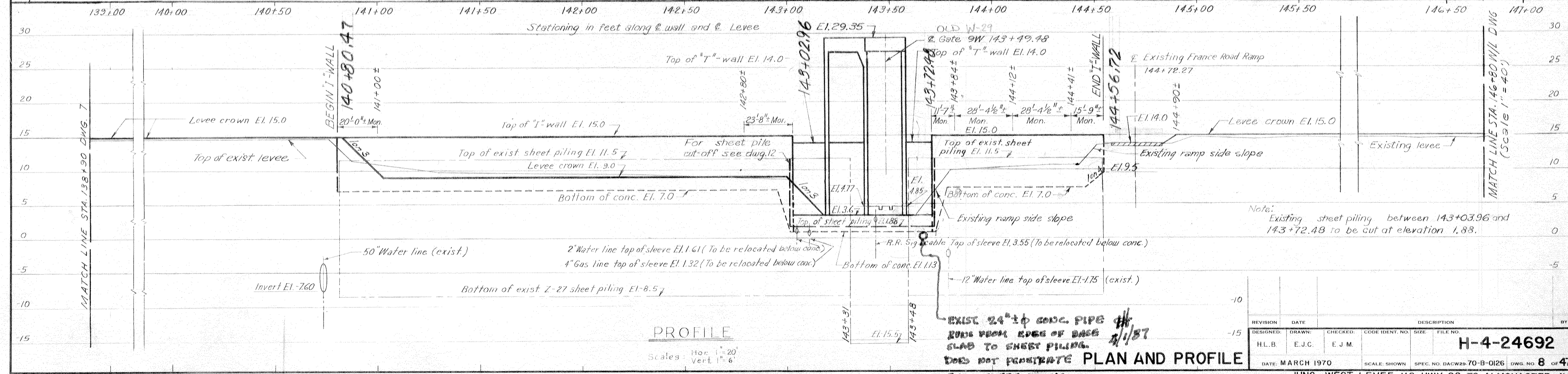
Safety is a Part of Your Contract

Note:
From 143+03.96 E/W/L to 143+72.48 E/W/L stas. are offset from wall line, see dwg. 24.



PLAN
Scale: 1" = 20'
● Soil boring location

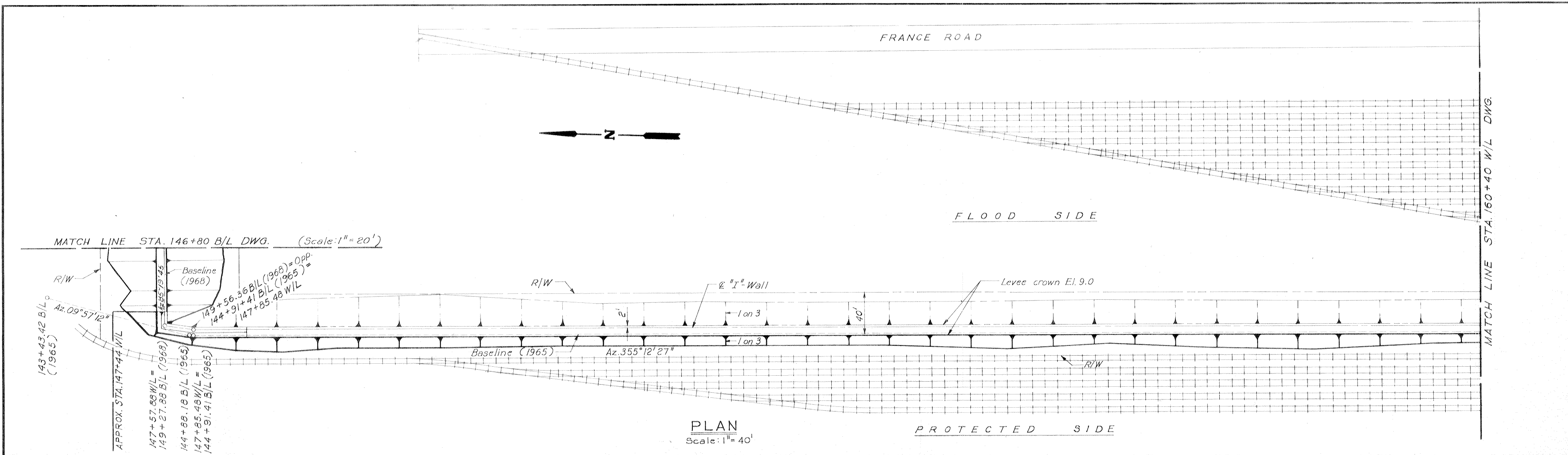
Note:
For general notes, see dwg. 2.
For guard rail details, see dwg. 41.



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

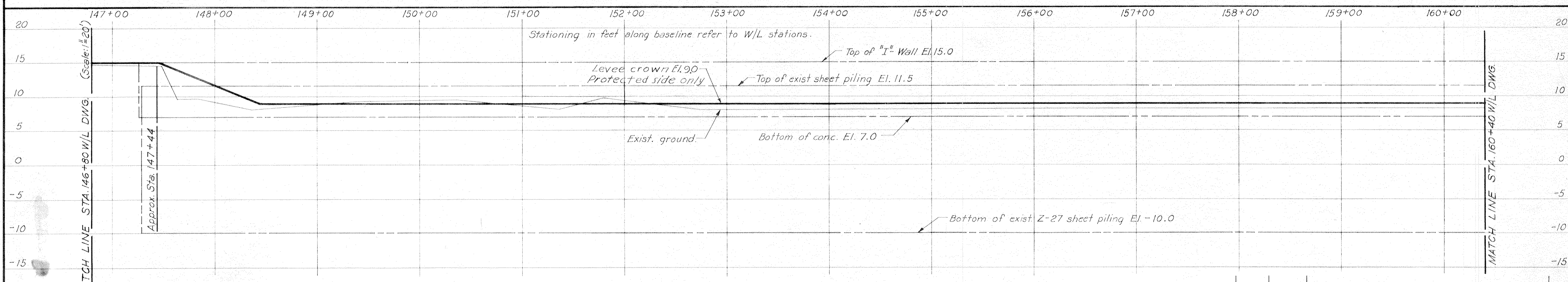
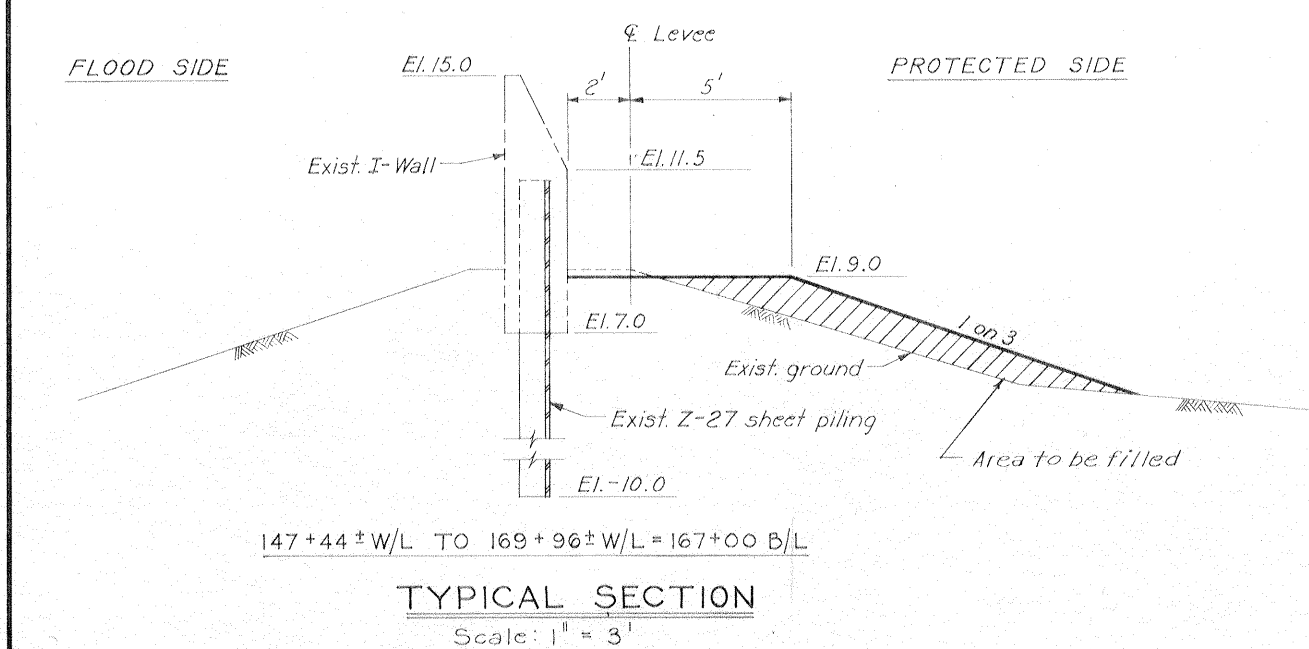
EXIST. 24" x 12" CONC. PIPE RUN FROM EDGE OF BASE SLAB TO SHEET PILING. DOES NOT PENETRATE PLAN AND PROFILE THRU SHEET PILING. AS CONSTRUCTED

REVISION	DATE	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	DESCRIPTION	BY
DESIGNED:							
DRAWN:							
HL.B.	E.J.C.	E.J.M.					
						H-4-24692	
DATE: MARCH 1970		SCALE: SHOWN		SPEC. NO. DACW29 70-B-0126		DWG. NO. 8 OF 47	



Safety is a Part of Your Contract

Note: For general notes, see dwg. 2



REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.
T. F. P.	J. J. P.	H. L. B.	SIZE
DATE: MARCH 1970			FILE NO.
SCALE: SHOWN			SPEC. NO. DACW28-70-B-0126
DATE: MARCH 1970			DWG. 9 OF 47

PLAN AND PROFILE
AS CONSTRUCTED

H-4-24692

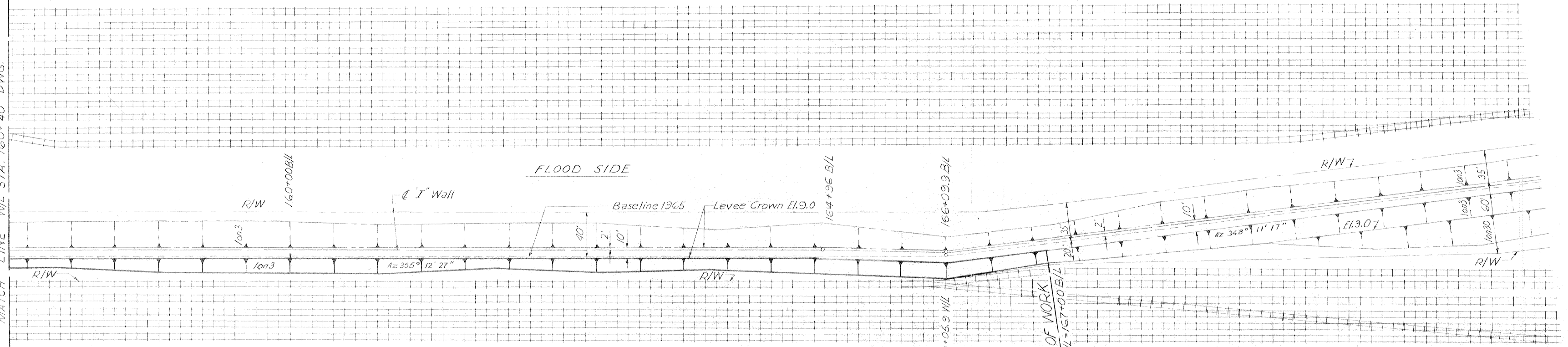
IHNC, WEST LEVEE-U.S. HWY. 90 TO ALMONASTER AVE.

FRANCE

ROAD



MATCH LINE W/L STA. 160+40 DWG.



PROTECTED SIDE

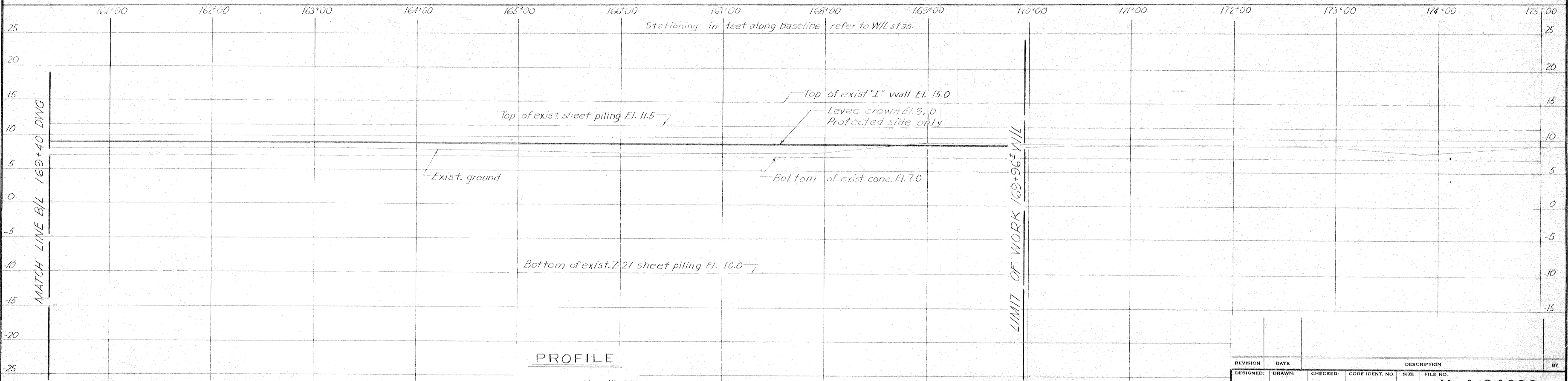
PLAN

Scale: 1" = 40'

LIMIT OF WORK
169+96 W/L = 167+00 B/L

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of Your Contract**

Note:
For general notes, see dwg 2.



PROFILE

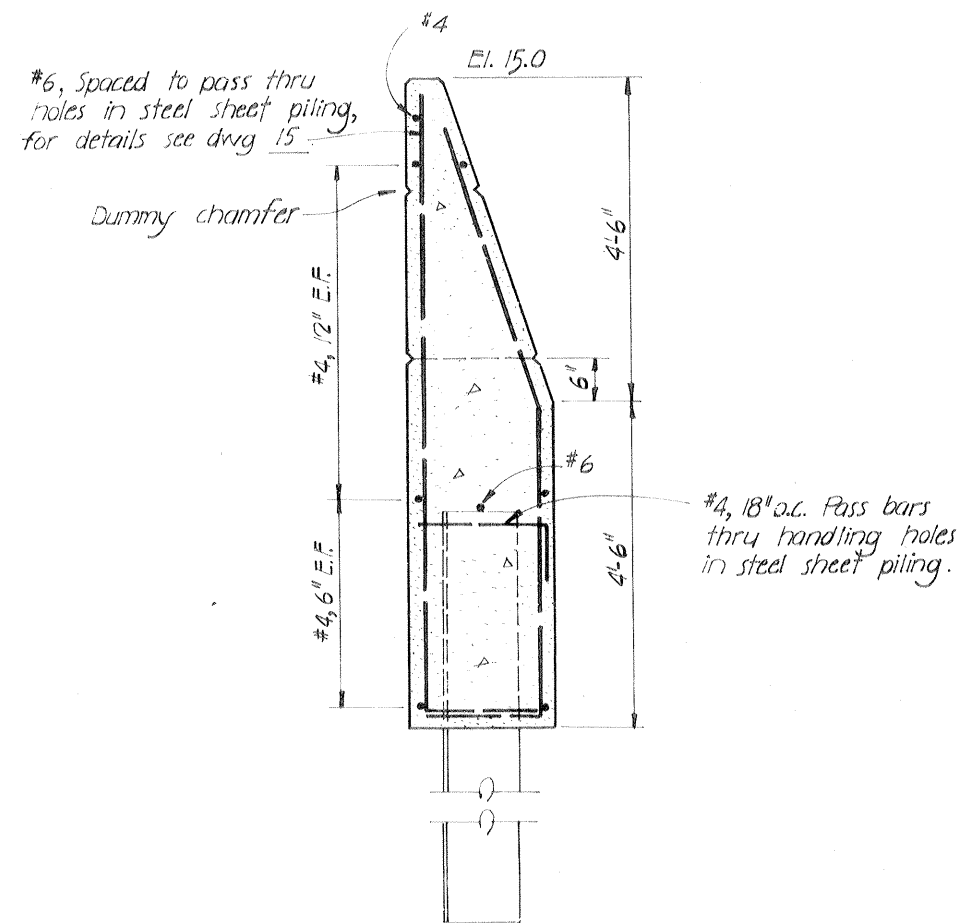
Scale: Hor. 1" = 40'
Vert. 1" = 6'

REVISION	DATE	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY
DESIGNED:		DRAWN:				
H.L.B.		R.M.S.				
DATE: MARCH 1970						SCALE: SHOWN
SPEC. NO. DACW29.70-B-0126						DWG. 10 OF 47

PLAN AND PROFILE

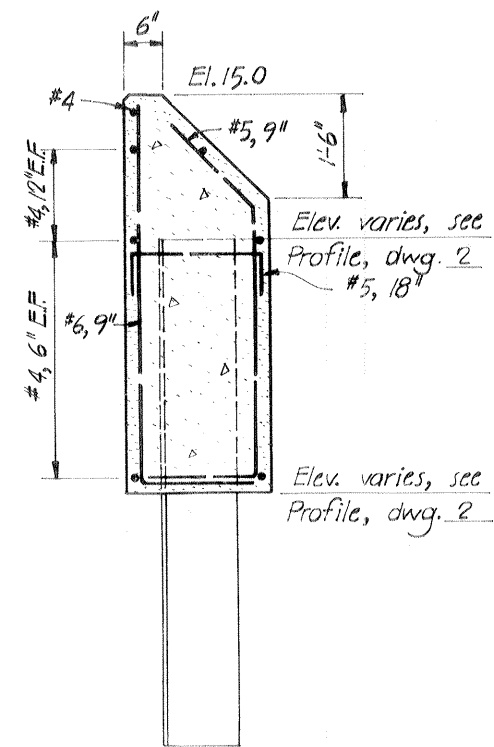
AS CONSTRUCTED

IHNC, WEST LEVEE-U.S. HWY. 90 TO ALMONASTER AVE.



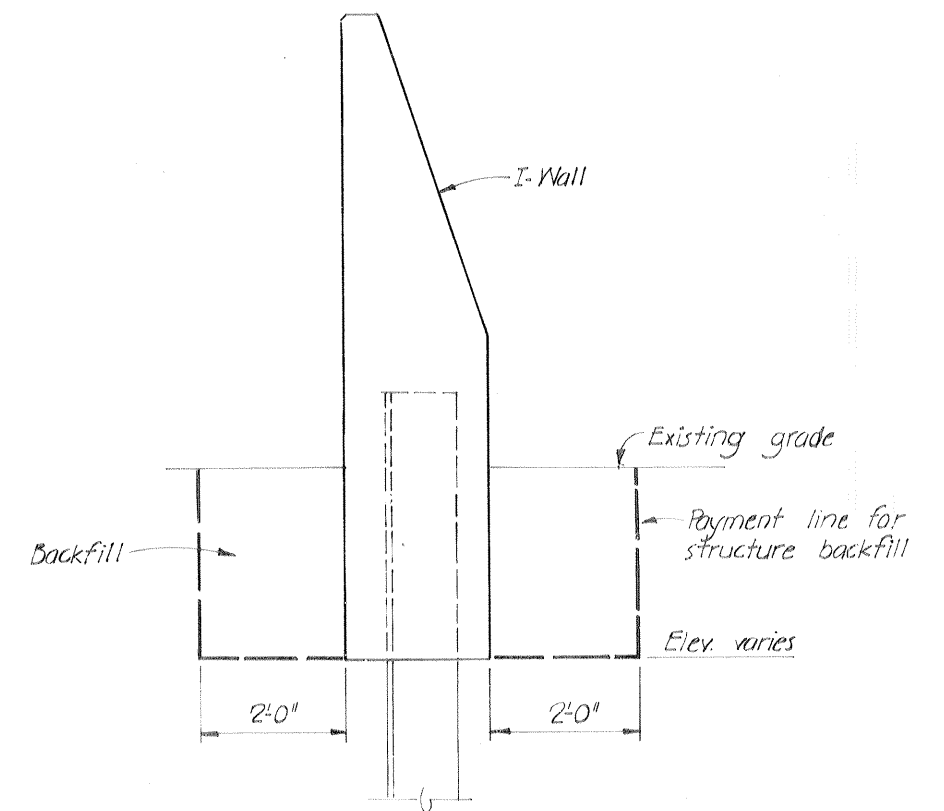
I-WALL SECTION
STA. 102+46± TO STA. 105+99.8±

3/4" = 1'-0"

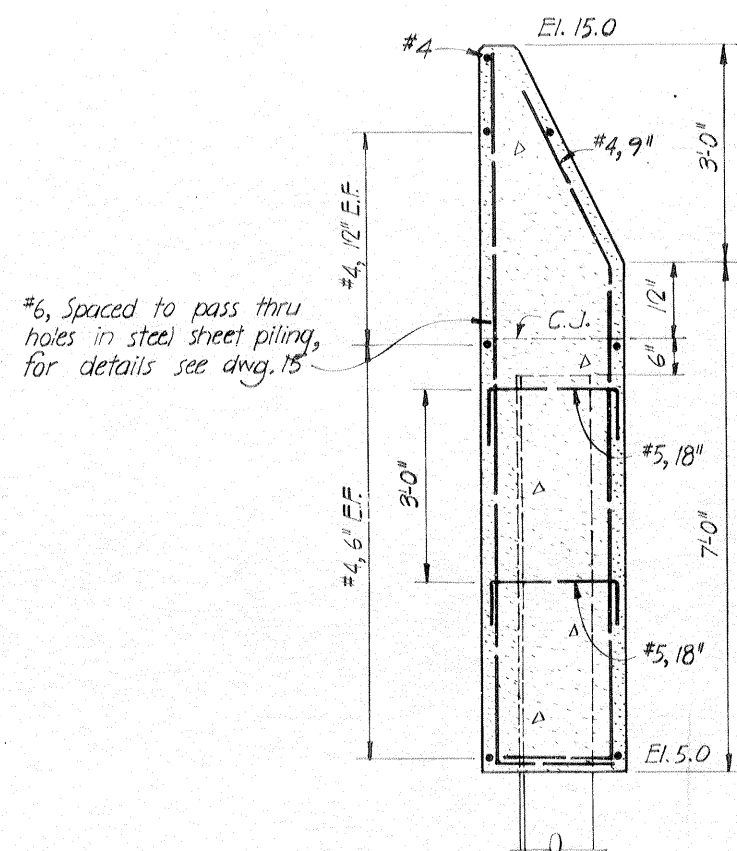


I-WALL SECTION
STA. 106+59 TO STA. 106+90.2±

3/4" = 1'-0"

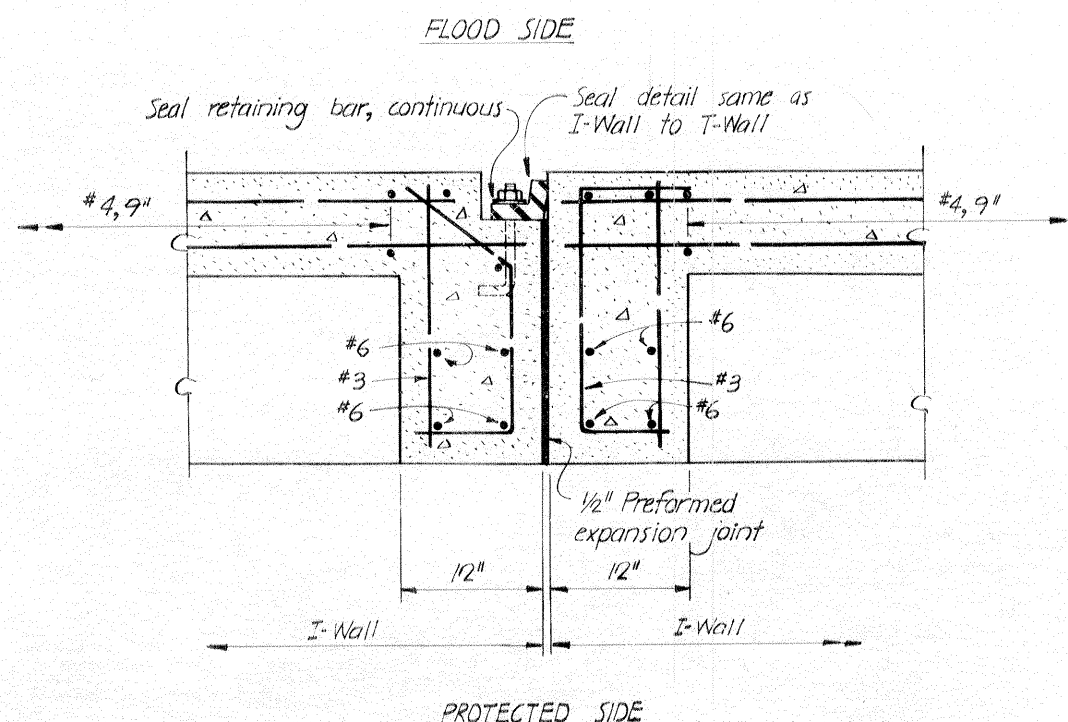


EXCAVATION & BACKFILL DETAIL



I-WALL SECTION
STA. 106+90.2± TO STA. 109+03±

3/4" = 1'-0"



SPECIAL JOINT DETAIL OF I-WALL

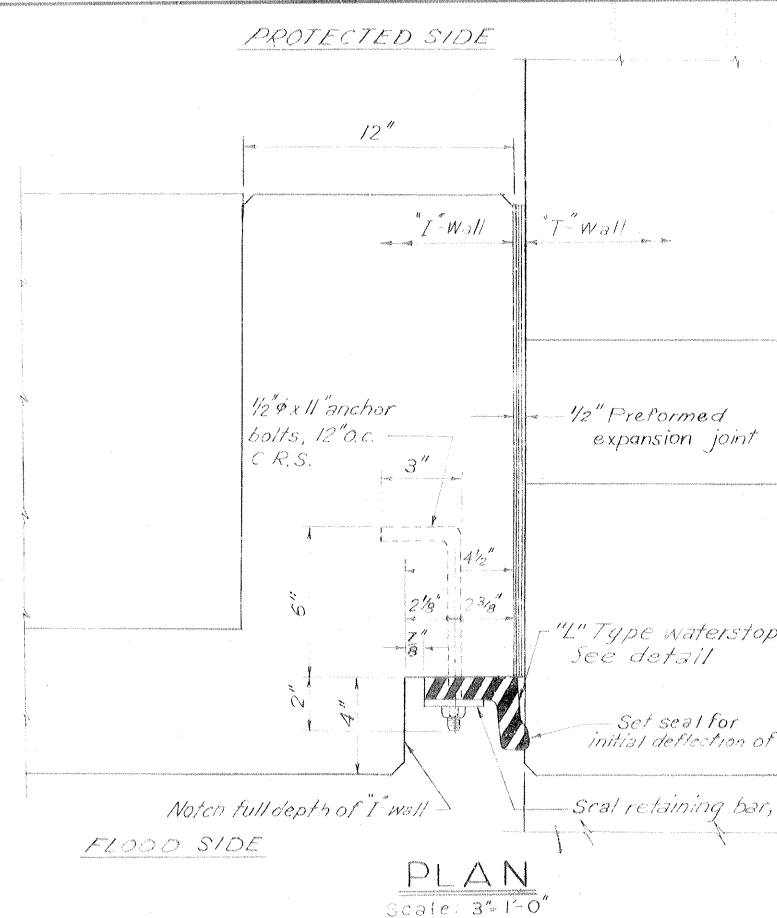
3" = 1'-0"

CONCRETE CAPPING AT FRANCE ROAD RAMP

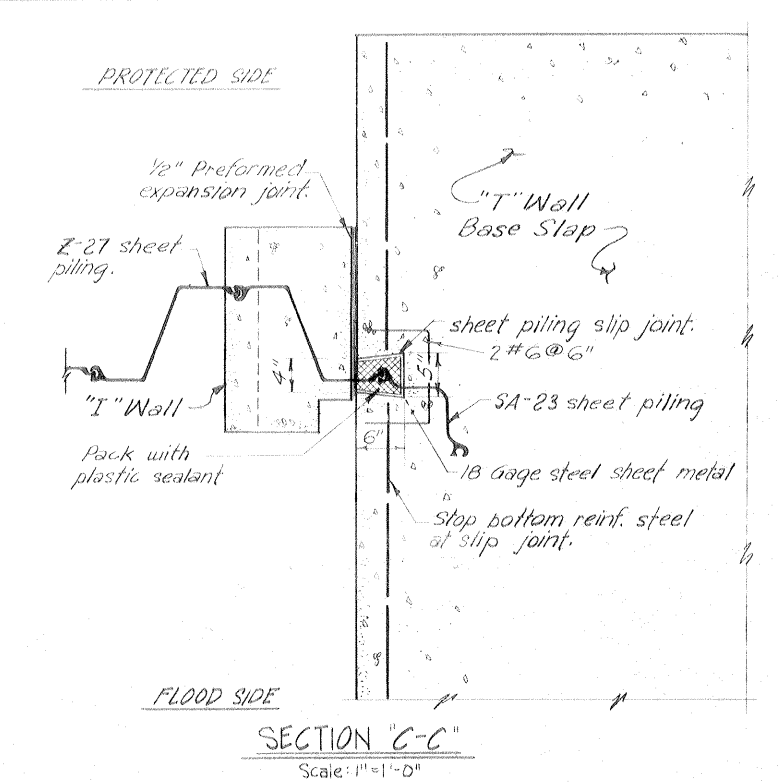
AS CONSTRUCTED

DESIGNED:	D.A.M.	DRAWN:	R.D.M.	CHECKED:	D.A.M.	DATE:	SEPT, 1971	SCALE:	AS SHOWN	FILE NO.:	H-4-24692
SUBMITTED:		APPROVED:		DATE:		SPEC. NO.:	DACW29-70-B-0126	DWG.:	IIA	OF	47

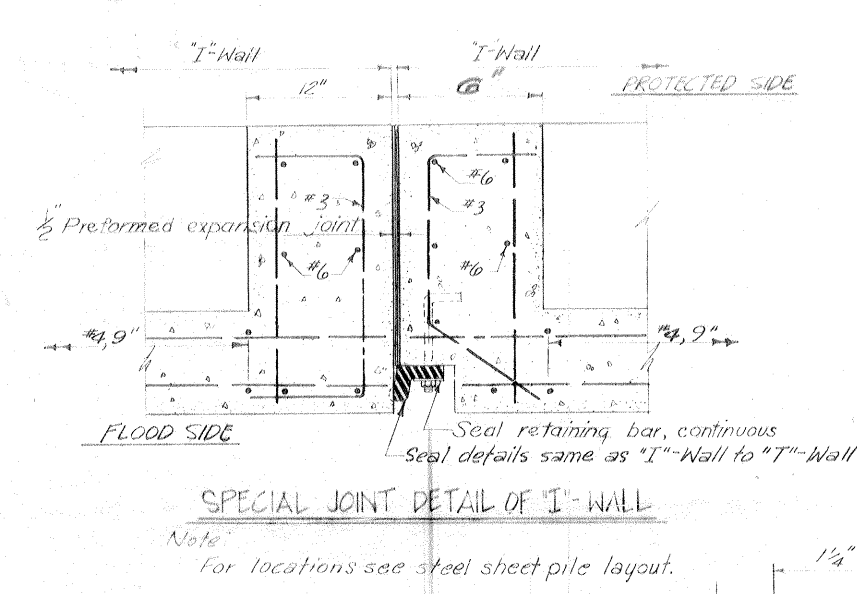
IHNC, WEST LEVEE - U. S. HWY. 90 TO ALMONASTER AVE.



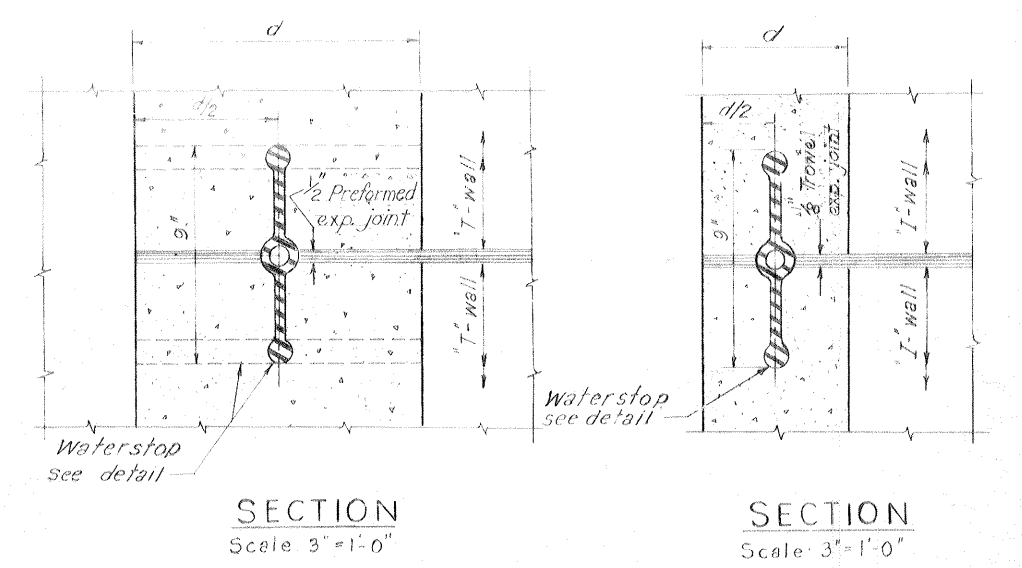
PLAN
Scale: 3/4" = 1'-0"



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

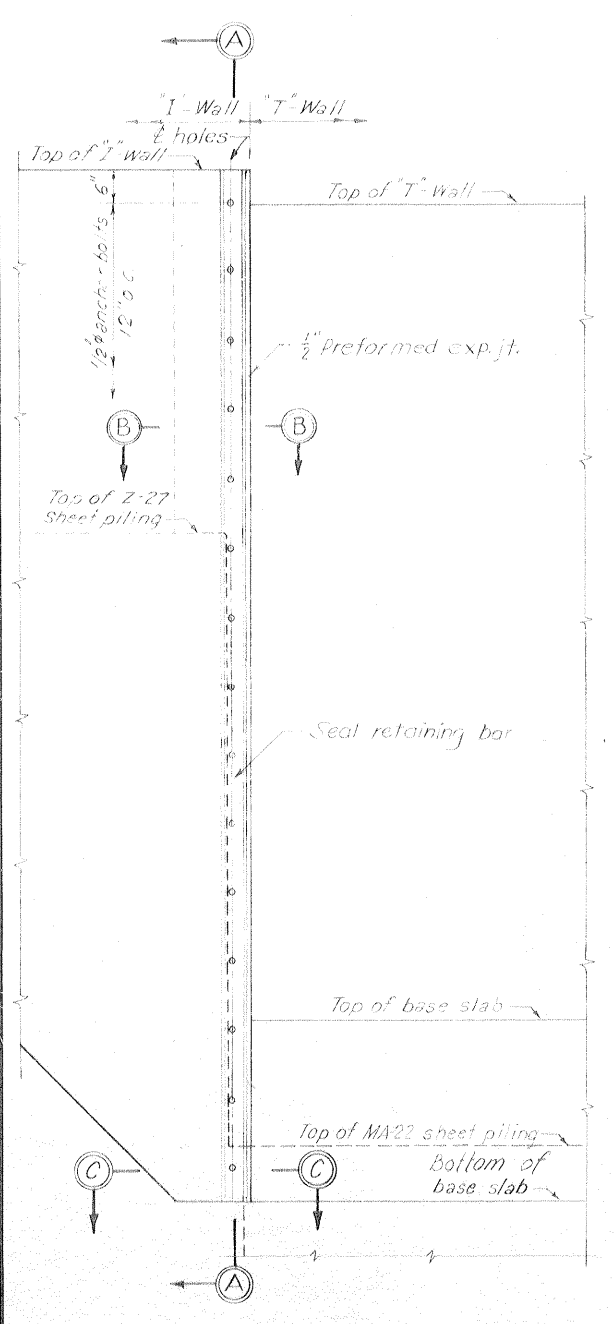


SPECIAL JOINT DETAIL OF I-WALL
Note:
for locations see steel sheet pile layout.
Scale: 3/4" = 1'-0"

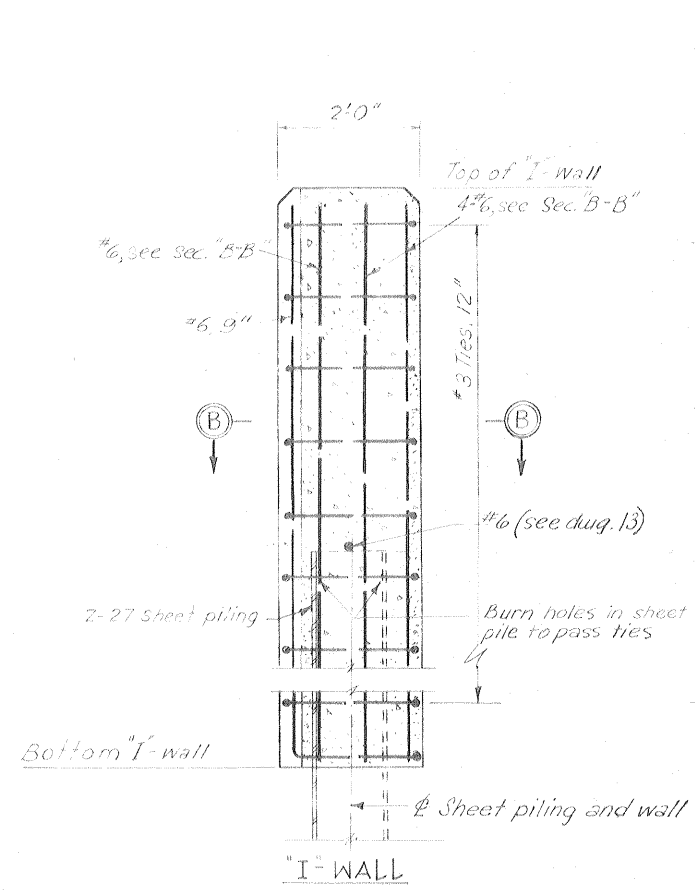


SECTION
Scale: 3/4" = 1'-0"

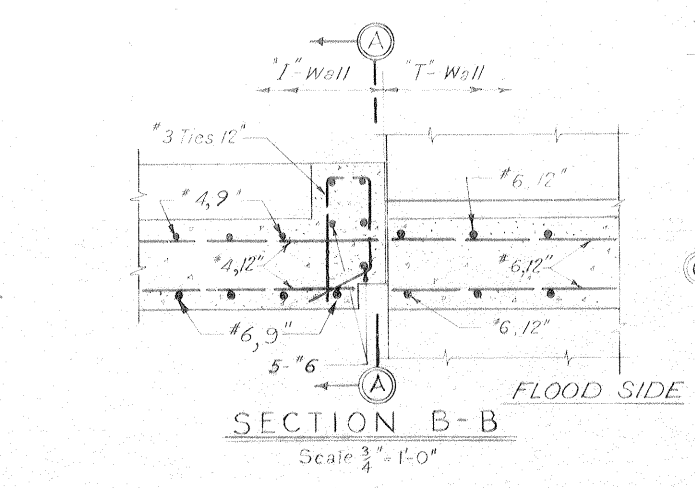
SECTION
Scale: 3/4" = 1'-0"



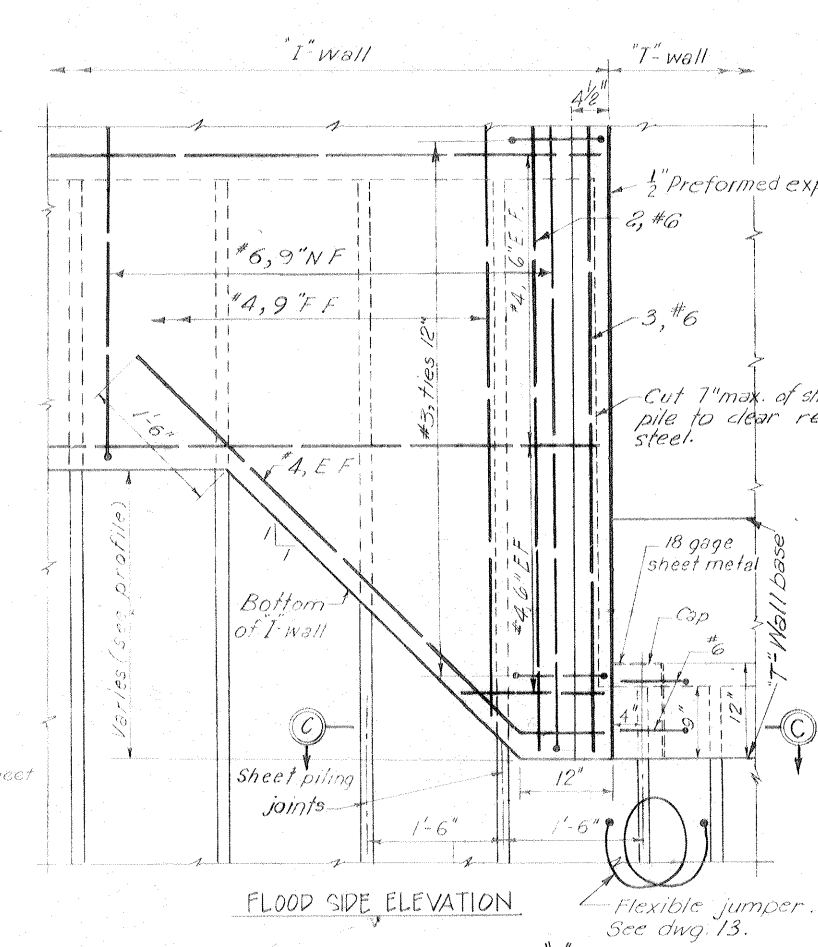
FLOOD SIDE ELEVATION
Scale: 3/4" = 1'-0"



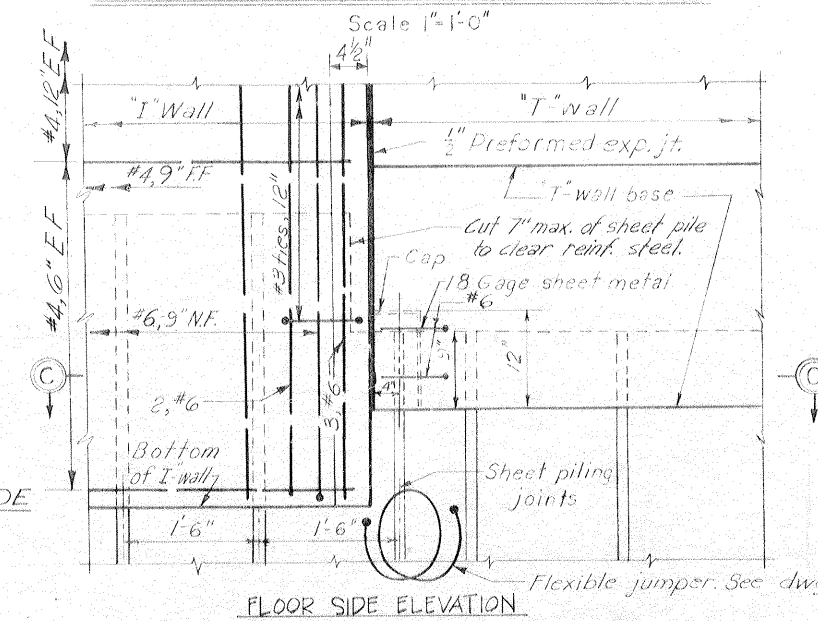
SECTION A-A
Scale: 3/4" = 1'-0"



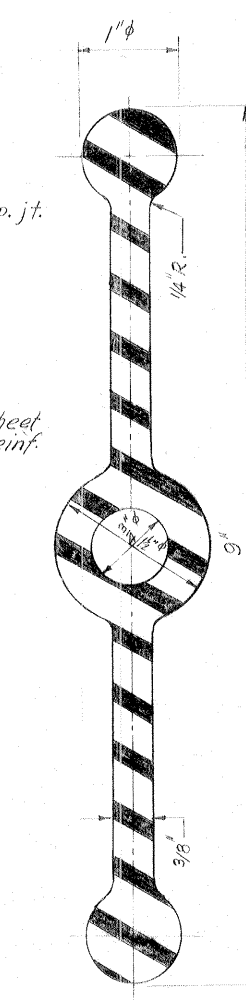
SECTION B-B
Scale: 3/4" = 1'-0"



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"



TYPICAL DETAIL FOR I-WALL TO T-WALL WHERE T-WALL BASE EL. IS HIGHER THAN BOTTOM OF I-WALL
Scale: 1" = 1'-0"



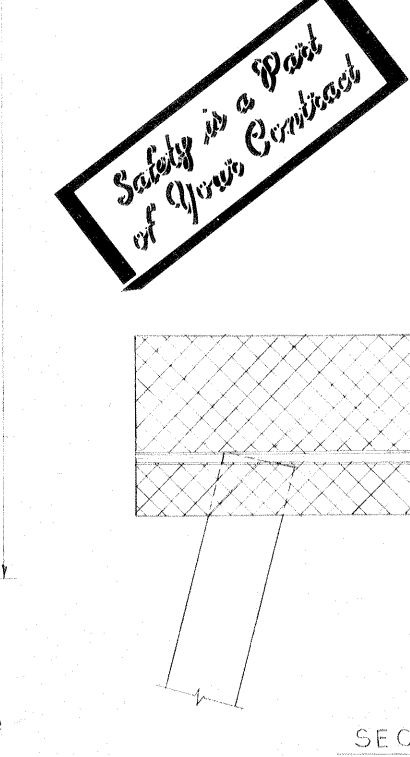
3-BULB TYPE WATERSTOP
Scale: Full Size



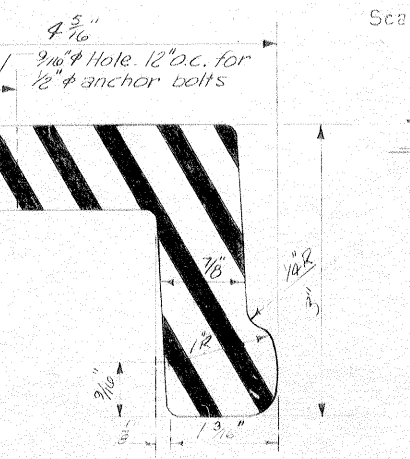
SEAL RETAINING BAR
Scale: Full Size

FLOOD SIDE

PROTECTED SIDE



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



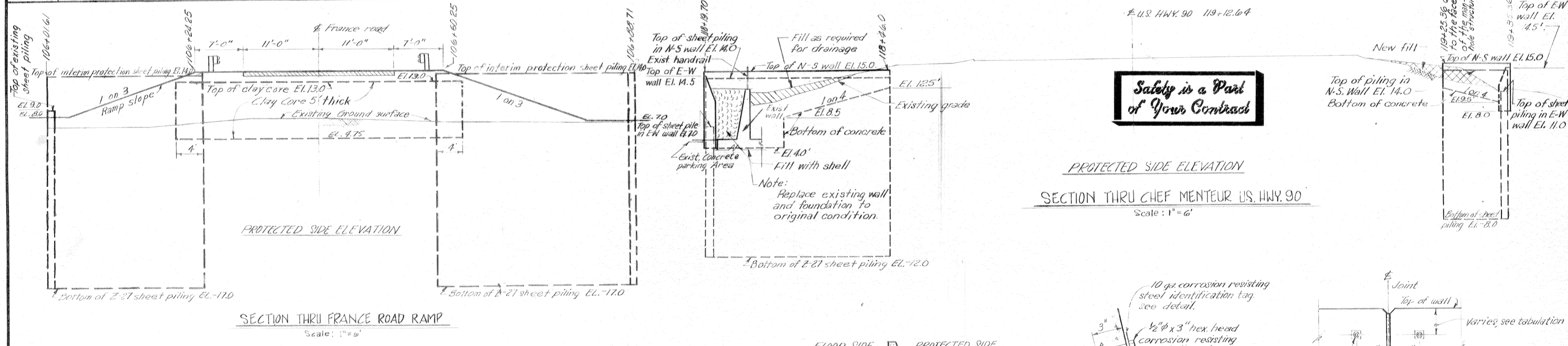
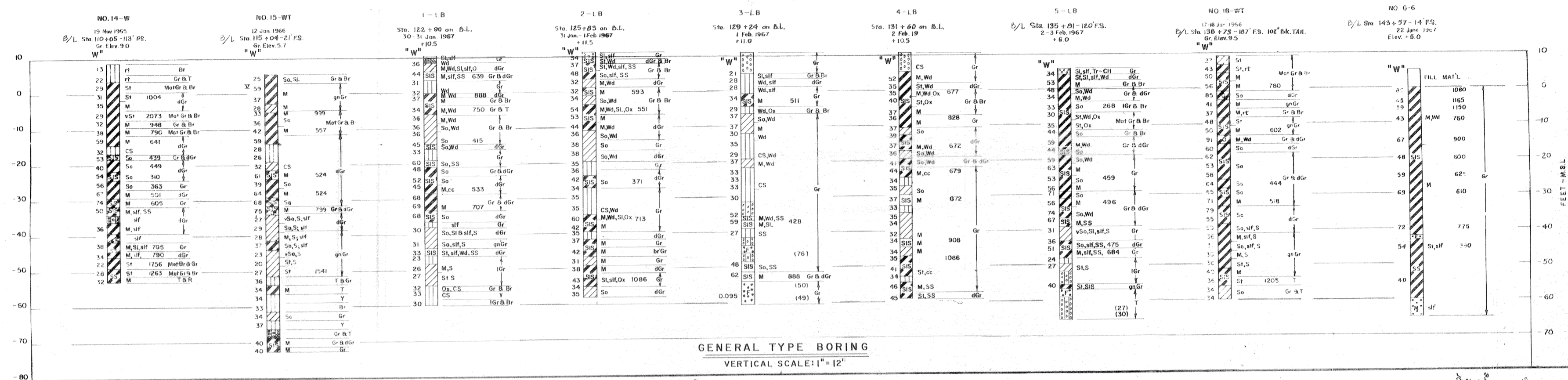
L-TYPE WATERSTOP SEAL DETAIL
Scale: Full Size

TYPICAL WALL JOINTS
AS CONSTRUCTED

Safety is a Part of Your Contract

Note:
For general notes, see dwg. 2.
For steel sheet piling plan, see dwgs. 14 and 15.
For prestressed precast concrete piles, see dwg. 43.
All holes cut in steel sheet piling for reinf. shall not exceed 2'-0"

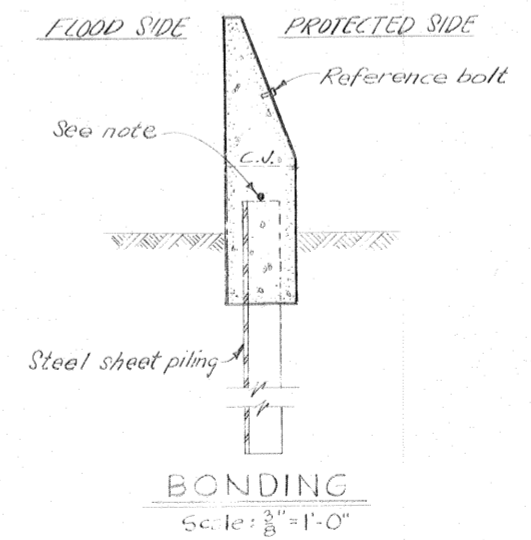
REVISION	DATE	DESCRIPTION	BY
DESIGNED	D.M.	DRAWN	E.J.C.
CHECKED	H.L.B.	CODE IDENT. NO.	SIZE
FILE NO.		H-4-24692	
DATE: MARCH 1970		SCALE: SHOWN SPEC. NO. DACW29-70-B-0126 DWG. NO. 12 OF 47	



SETTLEMENT REFERENCE BOLT SCHEDULE

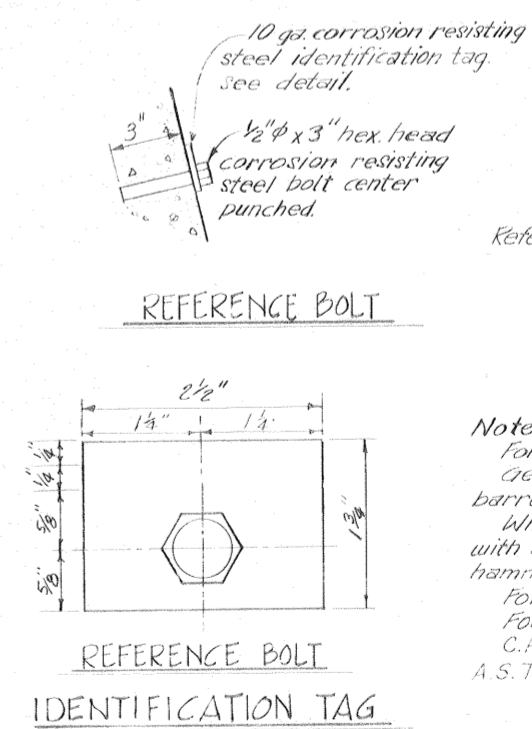
WALL LINE	DISTANCE BELOW TOP OF WALL	WALL LINE	DISTANCE BELOW TOP OF WALL	WALL LINE	DISTANCE BELOW TOP OF WALL	WALL LINE	DISTANCE BELOW TOP OF WALL
110+22	2.0'	116+52	1.0'	124+23	1.0'	132+60	1.0'
110+24	1.5'	116+54	1.5'	124+25	1.0'	134+01	2.5'
110+62	1.5'	117+72	1.0'	125+73	1.0'	134+13	2.5'
110+64	2.0'	117+74	1.0'	125+75	1.0'	135+09	2.5'
112+20	1.5'	118+78	1.0'	127+46	1.0'	136+01	1.5'
112+22	1.0'	119+62	1.0'	127+48	1.0'	136+03	2.0'
112+61	1.0'	120+50	1.0'	127+75	1.0'	136+63	1.0'
112+63	1.5'	120+52	1.0'	127+77	1.0'	140+82	1.0'
113+21	2.0'	121+92	1.0'	129+58	1.0'	142+00	1.0'
113+23	1.0'	121+34	1.0'	129+60	1.0'	142+02	1.0'
113+81	1.0'	121+36	1.0'	129+87	1.0'	143+04	1.0'
113+83	2.0'	121+94	1.0'	129+89	1.0'	143+06	1.0'
115+02	1.0'	121+96	1.0'	131+08	1.0'	143+71	3.0'
115+04	1.0'	123+94	1.0'	131+10	1.5'	143+74	1.0'
115+92	1.0'	123+96	1.0'	132+58	1.0'	144+55	1.0'

Due to monolith joints falling at sheet pile interlocks, & W/L stations are approximate. Locate reference bolt at nearest W/L station to those shown.



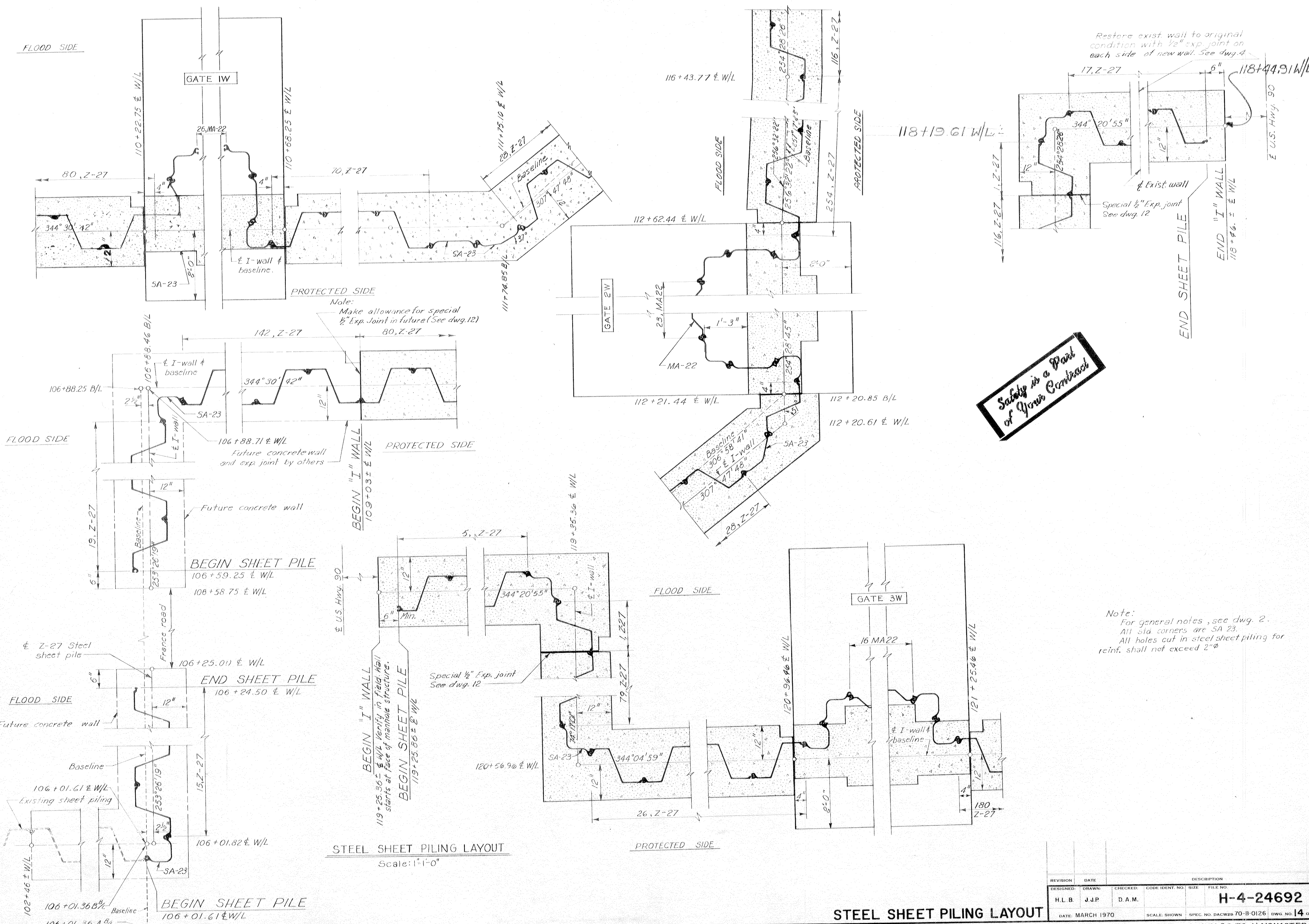
BONDING
Scale: 3/8"=1'-0"

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



Note:
For general notes, see dwg. 2.
General type borings were taken with a 1 7/8" 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 drawing File No. H-2-21800.
For location of boring 18-WT, see dwg. 1.
C.R.S. used for identification tags shall meet the requirements A.S.T.M. A240-67 type 304 or A.S.T.M. A27-67 type 304.

REVISION	DATE	CHECKED	DESCRIPTION
DESIGNED		DRAWN	
H.L.B.		A.M.	
CHECKED		D.A.M.	
CODE IDENT NO.	SIZE	FILE NO.	
		H-4-24692	
DATE MARCH 1970	SCALE SHOWN	SPEC NO. DACW28 70-B-0126	DWG NO. 13 OF 47

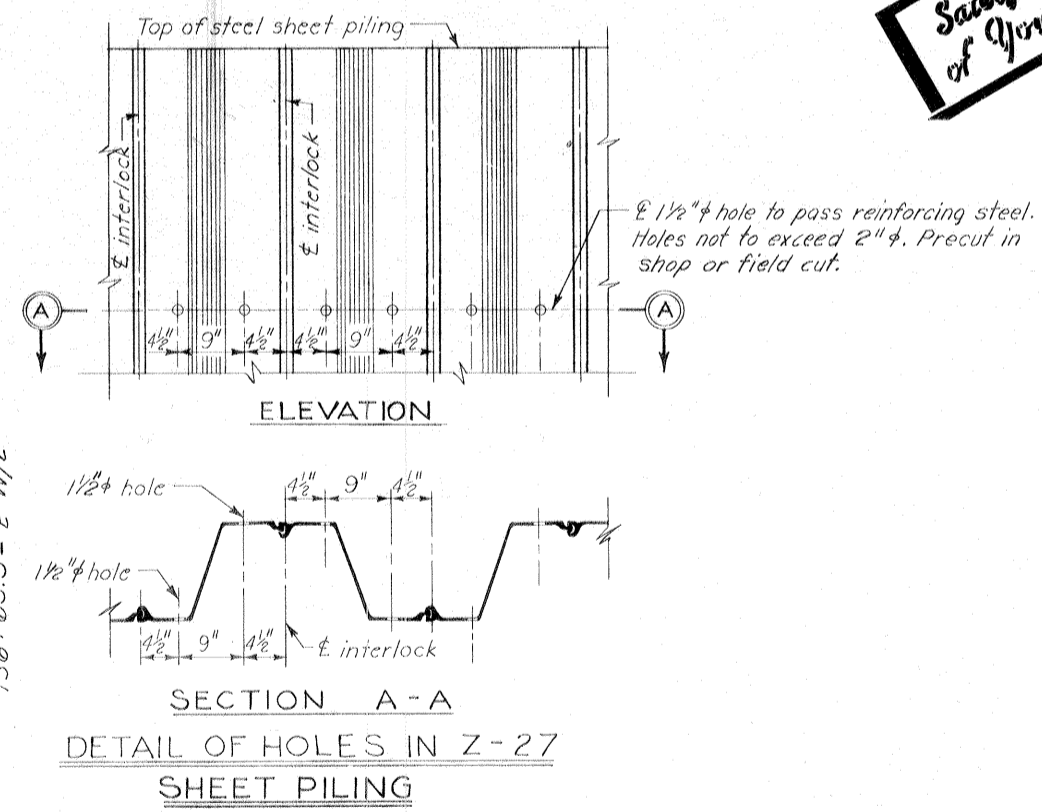
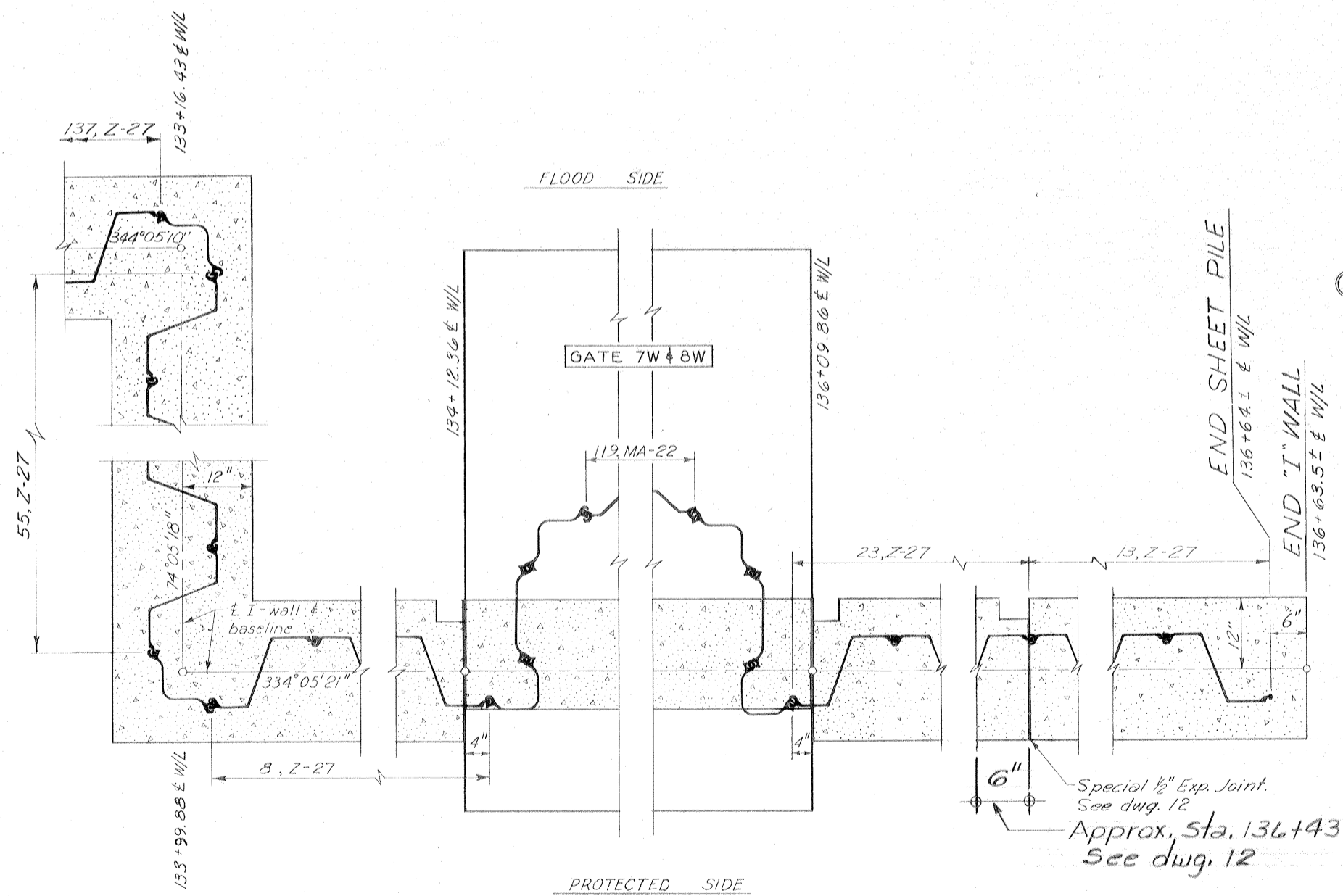
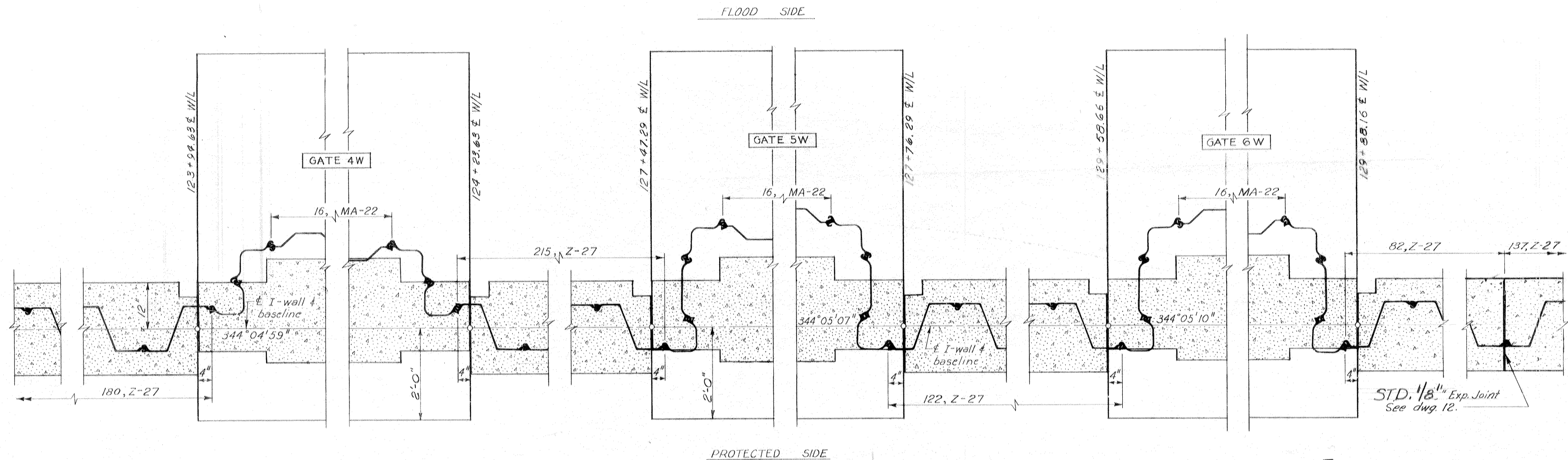


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STEEL SHEET PILING LAYOUT
 Scale: 1"=1'-0"

STEEL SHEET PILING LAYOUT
 AS CONSTRUCTED

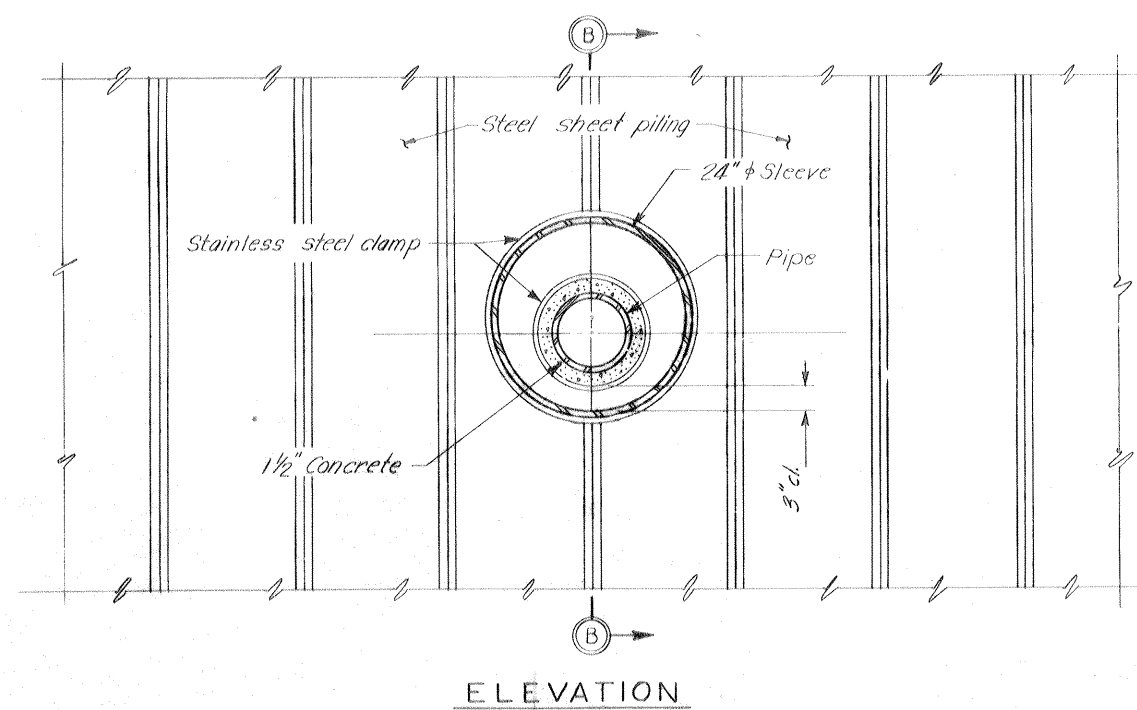
REVISION	DATE	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY
DESIGNED:	DRAWN:					
H.L.B.	J.J.P.	D.A.M.				
					H-4-24692	
DATE: MARCH 1970		SCALE: SHOWN		SPEC. NO. DACW29-70-B-0126		DWG. NO. 14 of 47



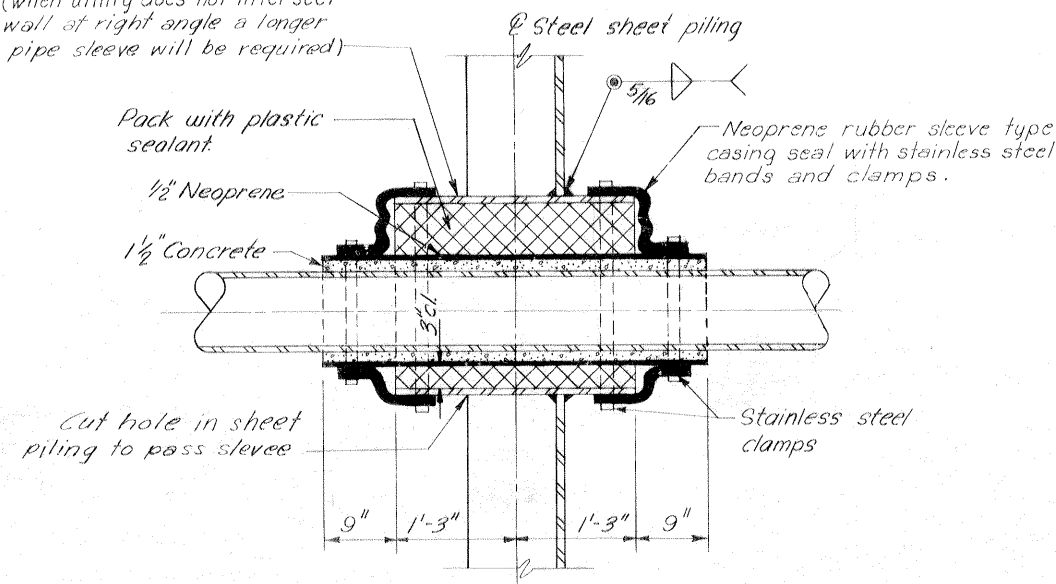
Safety is a Part of Your Contract

Note:
For general notes, see dwg. 2
All std. corners are SA-23.
All holes cut in steel sheet piling for reinf. shall not exceed 2" φ.

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



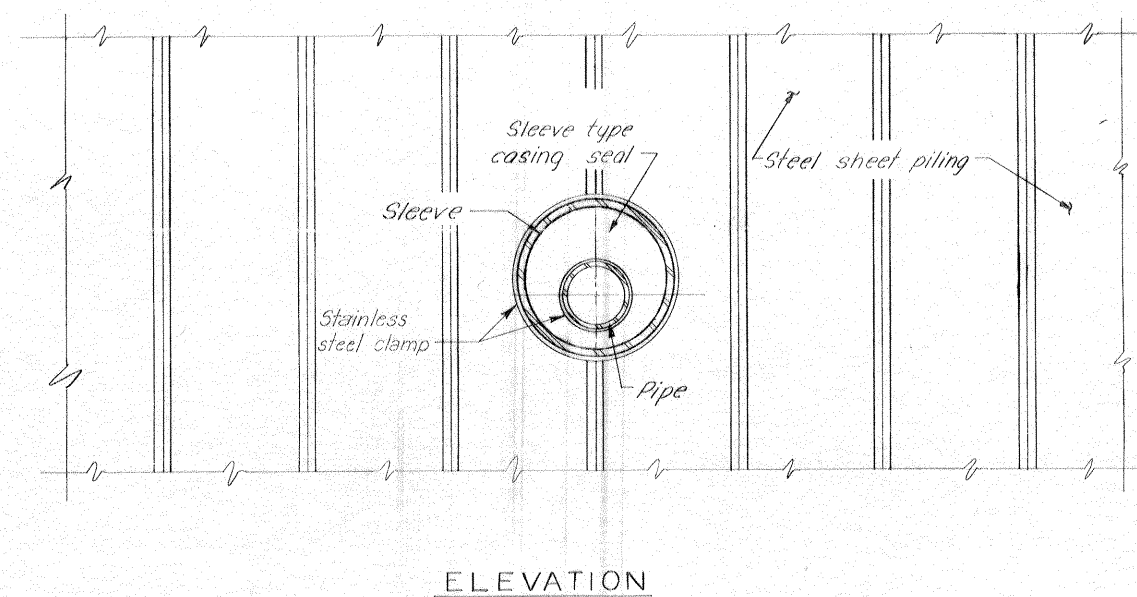
Sleeve, std. steel pipe 2'-6" long
(when utility does not intersect
wall at right angle a longer
pipe sleeve will be required)



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of Your Contract**

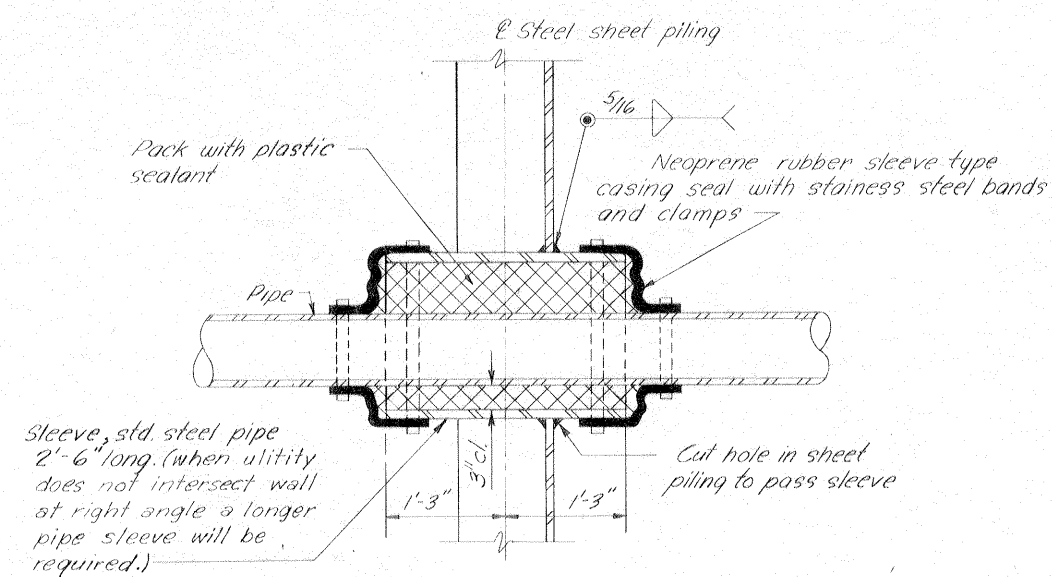
TYPICAL DETAIL FOR H.P.G. & OIL LINES

Scale: 1"=1'-0"



PIPE TABULATION AND SLEEVE TABLE					
Approx. WIL sta	Type of utility	Top El. of pipe	Min. sleeve size		
			Nominal size	I.D.	O.D.
108+48	Water	2.7±	To be relocated on flood side by others		
111+85.33	12" Water	3.6±	24"	23.250"	24.000"
111+85.33	10" Gas	4.1±	24"	23.250"	24.000"
114+50.25	8" Sewer	1.2±	24"	23.250"	24.000"
114+57.43	6" Water	1.7±	16"	15.250"	16.000"
131+75	4" Oil line	6.0±	18"	17.250"	18.000"
132+56	20" Gas	2.9±	34"	33.000"	34.000"
135+55	RR 6" (Cables)	Sleeve El. 1.99	16"	15.250"	16.000"
143+07	2" Water	Sleeve El. 1.61	** 10"	10.020"	10.750"
143+12	4" Gas	Sleeve El. 1.32	** 18"	17.250"	18.000"
143+44	6" (Signal cable)	Sleeve El. 1.35	** 16"	15.250"	16.000"
143+80	12" Water	Sleeve El. 1.75	* 24"	23.250"	24.000"

* Existing sleeves to remain in place
** Existing sleeves to be relocated below bottom of concrete.



TYPICAL PIPE SECTION THRU STEEL SHEET PILING

**TYPICAL DETAIL FOR WATER PIPE LINES
SEWER LINES AND CABLE CROSSING**

Scale: 1"=1'-0"

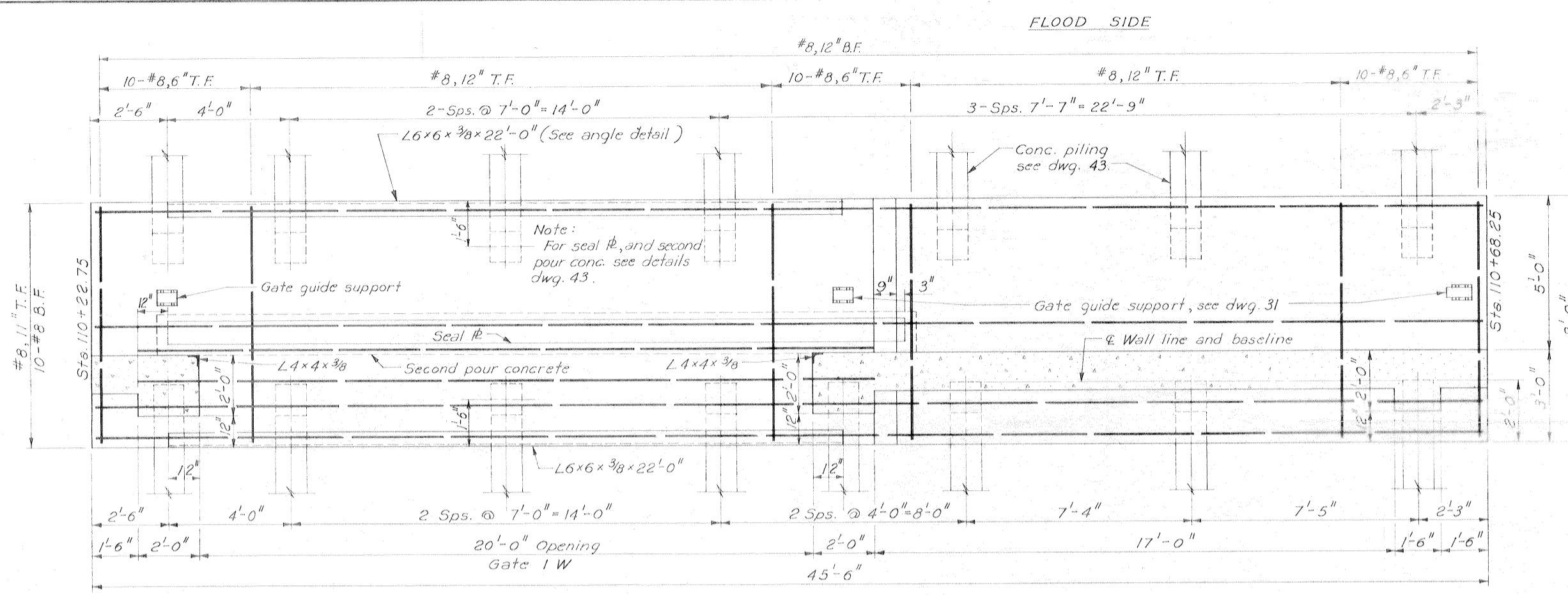
Note:
For general notes, see dwg. 2

DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.	SIZE	FILE NO.
H.L.B.	J.E.B.	D.A.M.			
DATE: MARCH 1970					SCALE: SHOWN
SPEC. NO. DACW29-70-B-0126					DWG. NO. 16 OF 47

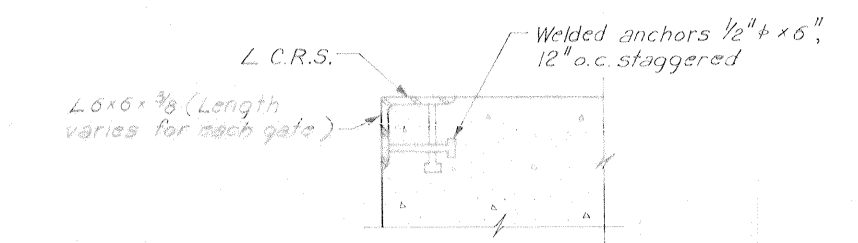
UTILITY CROSSINGS

AS CONSTRUCTED

IHNC, WEST LEVEE--U.S. HWY. 90 TO ALMONASTER AVE.

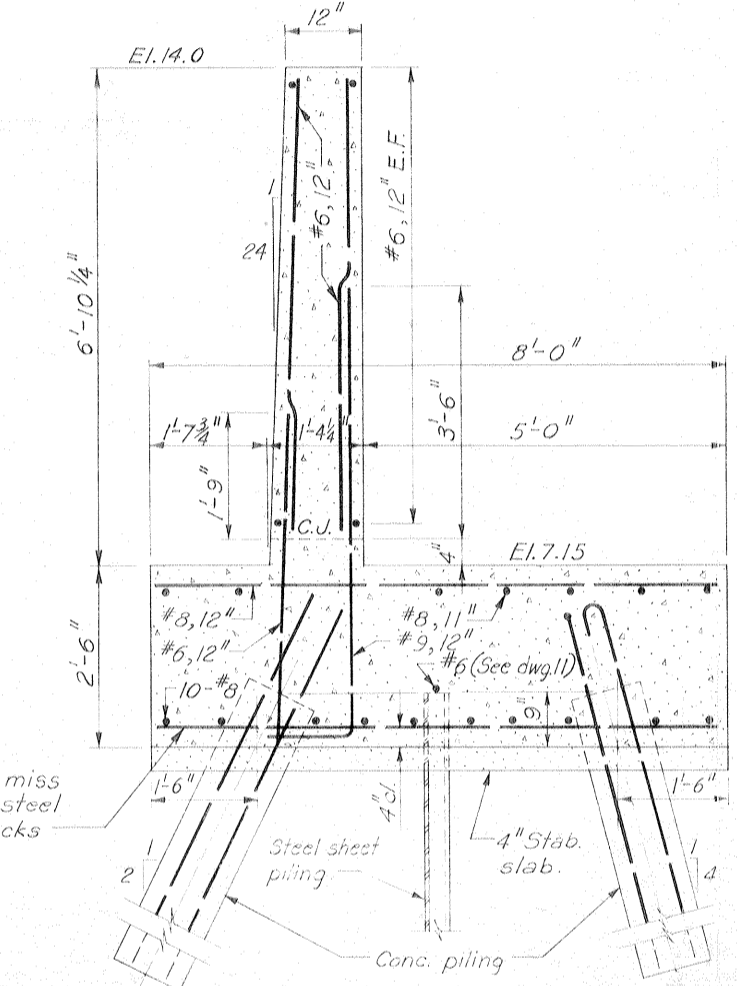


PLAN AT EL. 7.40
Scale: 1/2" = 1'-0"



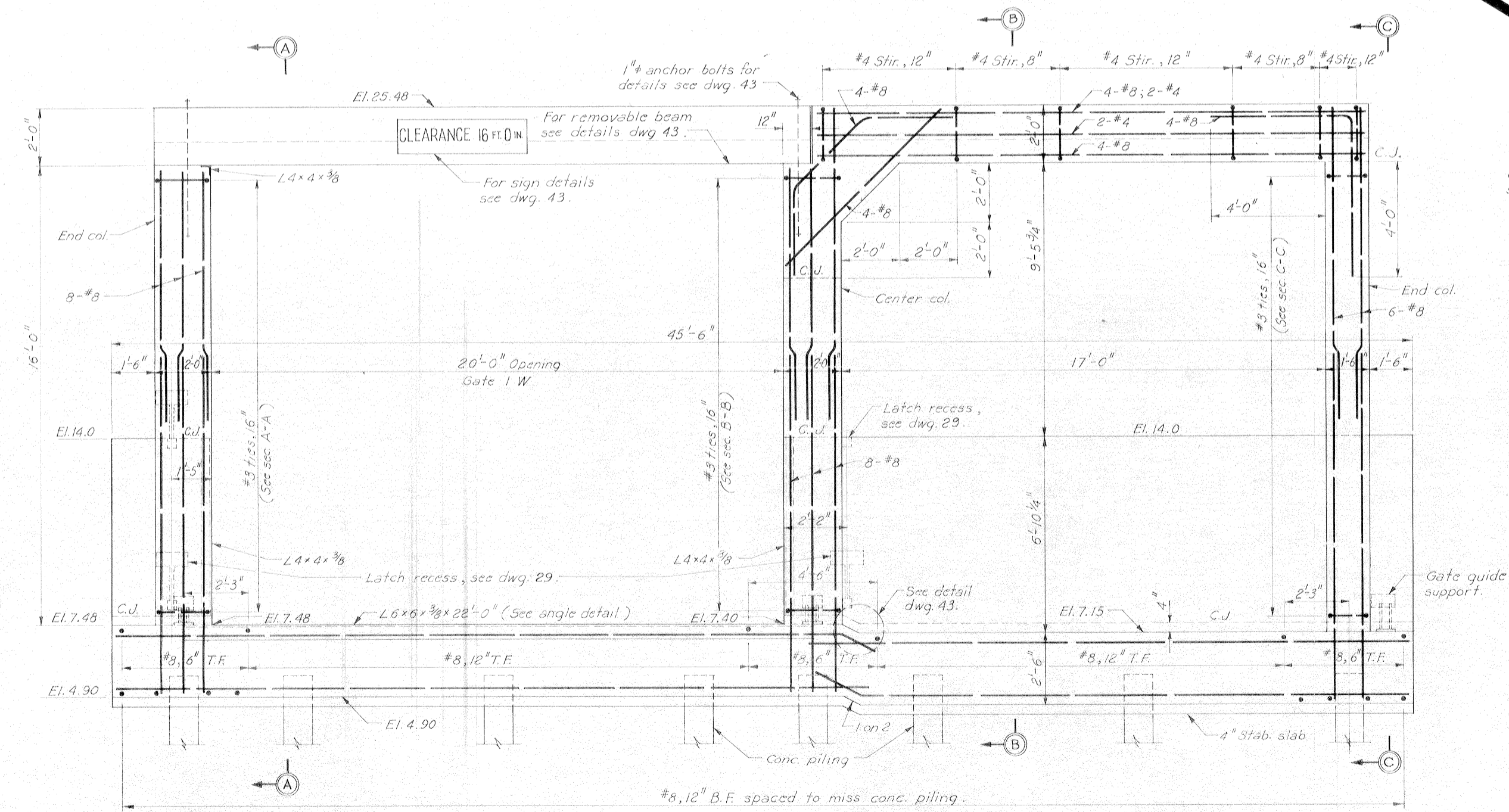
ANGLE DETAIL
Scale: 1 1/2" = 1'-0"

PROTECTED SIDE FLOOD SIDE



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

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

#8, 12" spaced to miss conc. piling and steel sheet pile interlocks

Notes:
For general notes, see dwg. 2
For elevations of steel sheet piling, see dwg. 3.
For sections A-A, B-B and C-C, see dwg. 18.
All holes cut in steel sheet piling for reinf. shall not exceed 2" #.

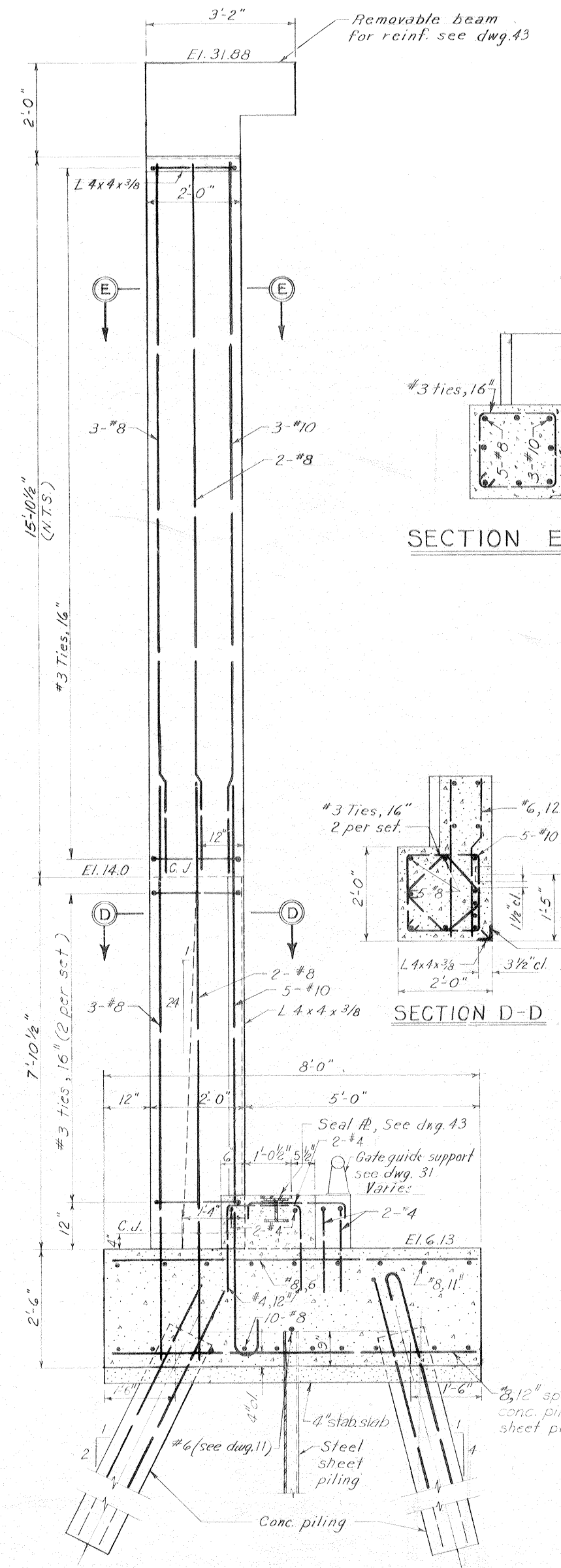
TABULATION OF CONCRETE PILES	
PROTECTED SIDE	FLOOD SIDE
75'	69'

GATE MONOLITH-GATE I W
AS CONSTRUCTED

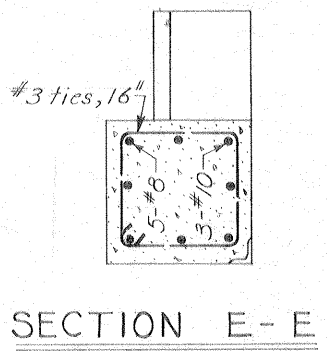
REVISION	DATE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: J.J.P.	CHECKED: H.L.B.	FILE NO. H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0126 DWG. 17 OF 47

IHNC, WEST LEVEE - U.S. HWY. 90 TO ALMONASTER AVE.

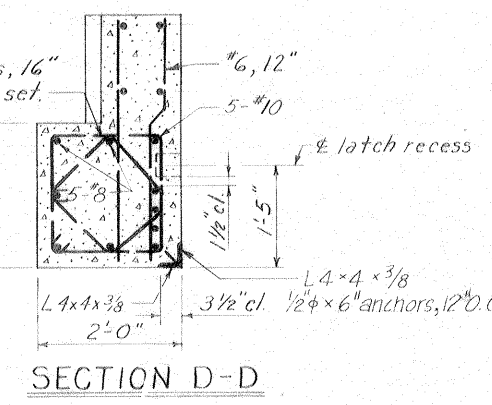
Safety is a Part of Your Contract



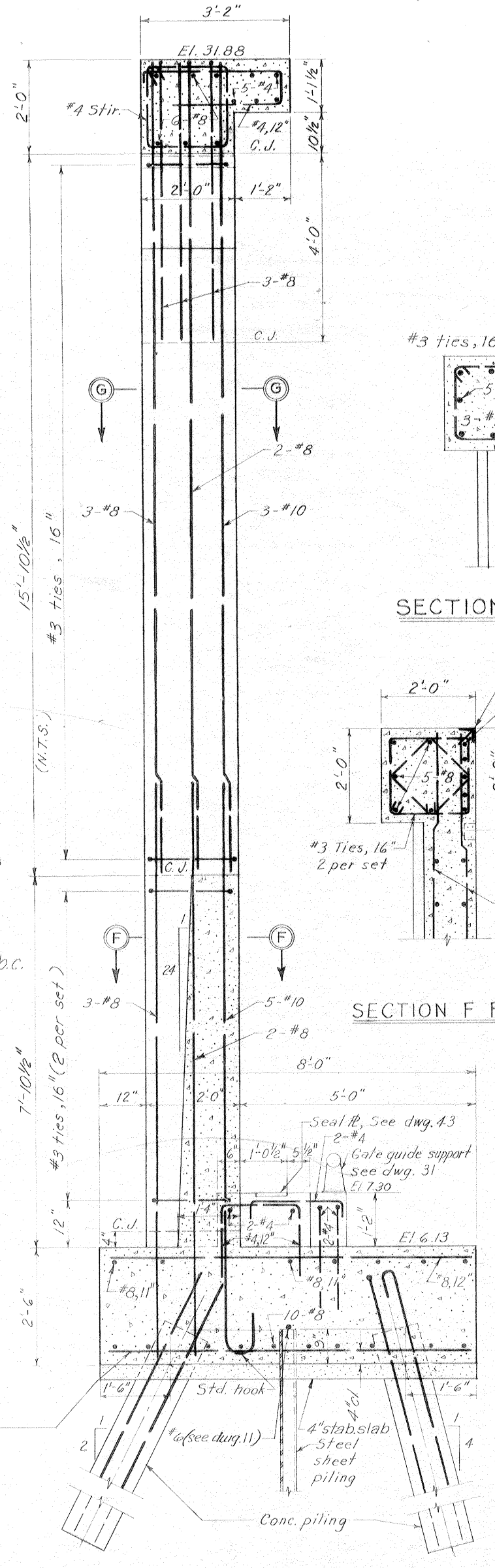
SECTION A-A



SECTION E-E

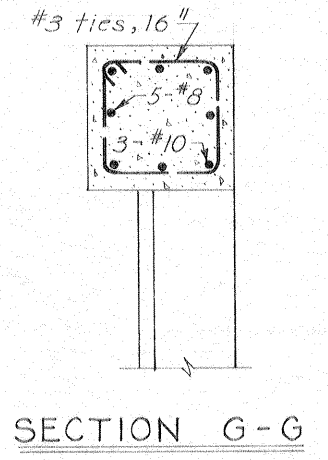


SECTION D-D

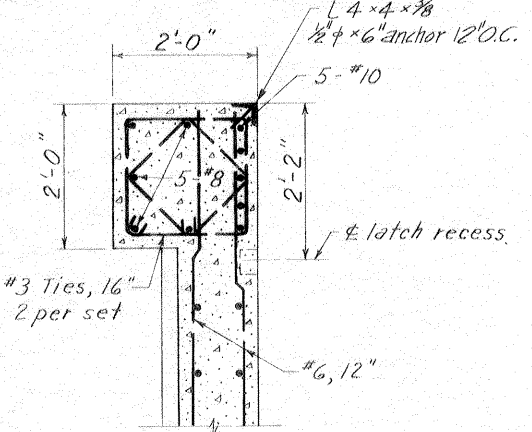


SECTION B-B

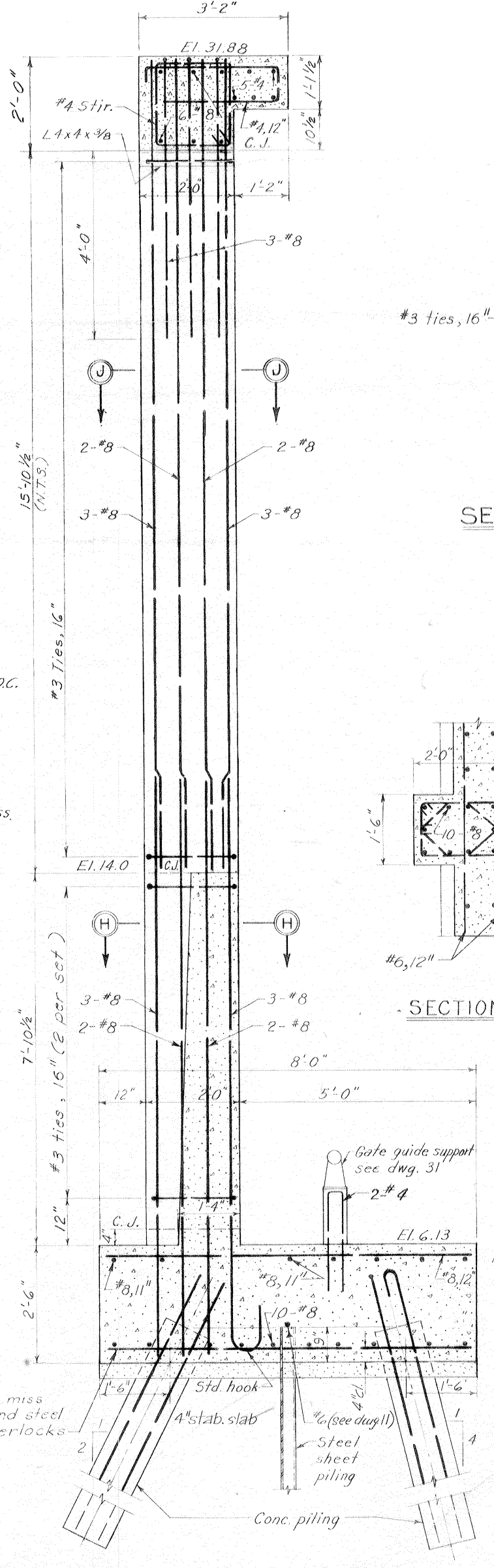
Scale: 3/4" = 1'-0"



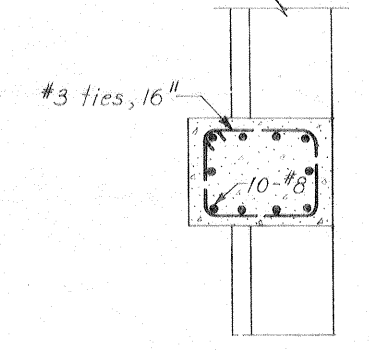
SECTION G-G



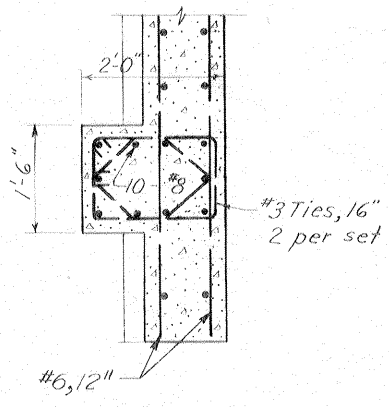
SECTION F-F



SECTION C-C



SECTION J-J



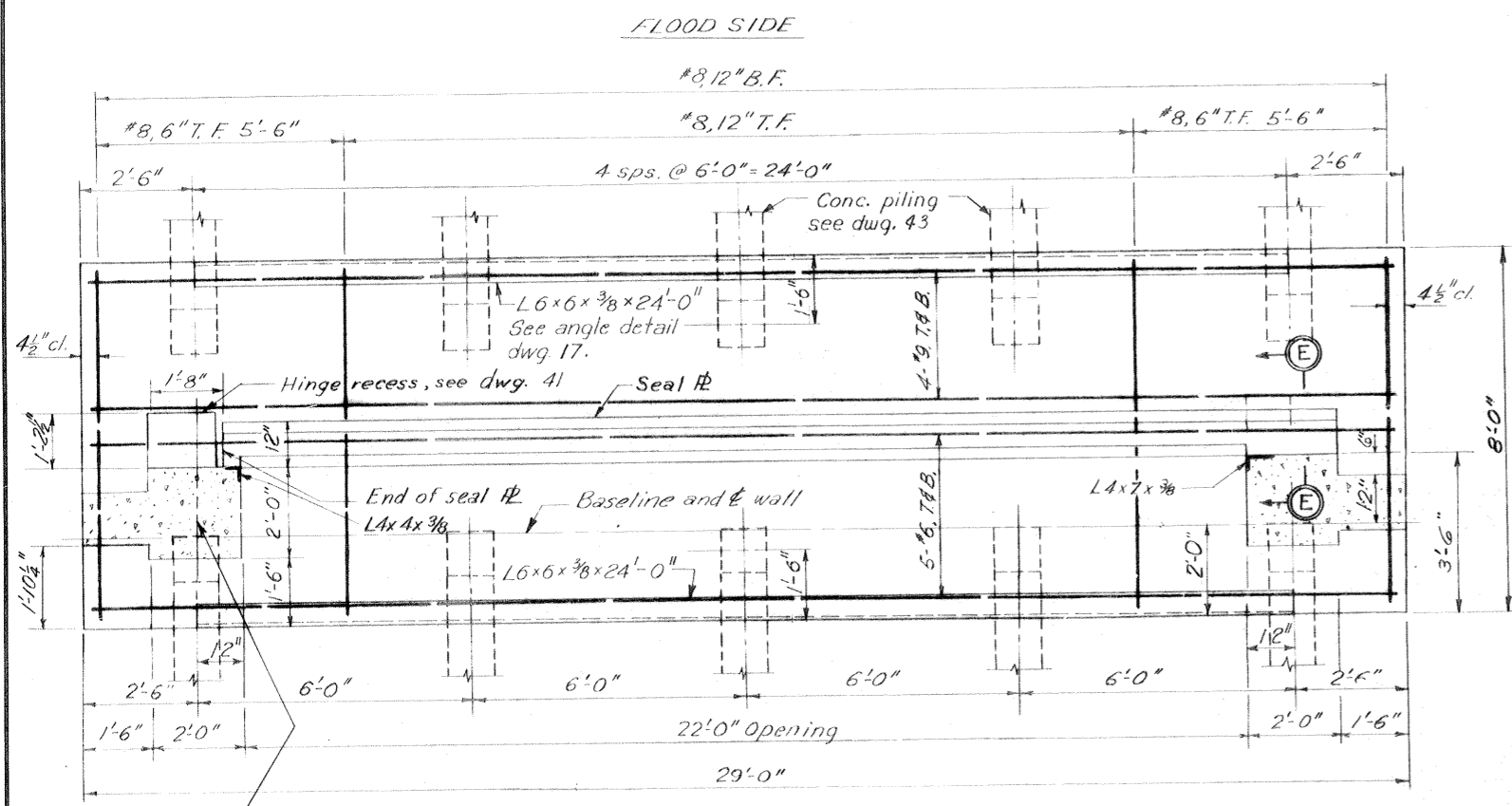
SECTION H-H

Note:
 For general notes, see dwg. 2
 For elevations of steel sheet piling, see dwg. 3
 For location of sections A-A, B-B and C-C see dwg. 19
 For wall reinf. see typical section dwg. 19
 All holes cut in sheet piling for reinf. shall not exceed 2" φ.

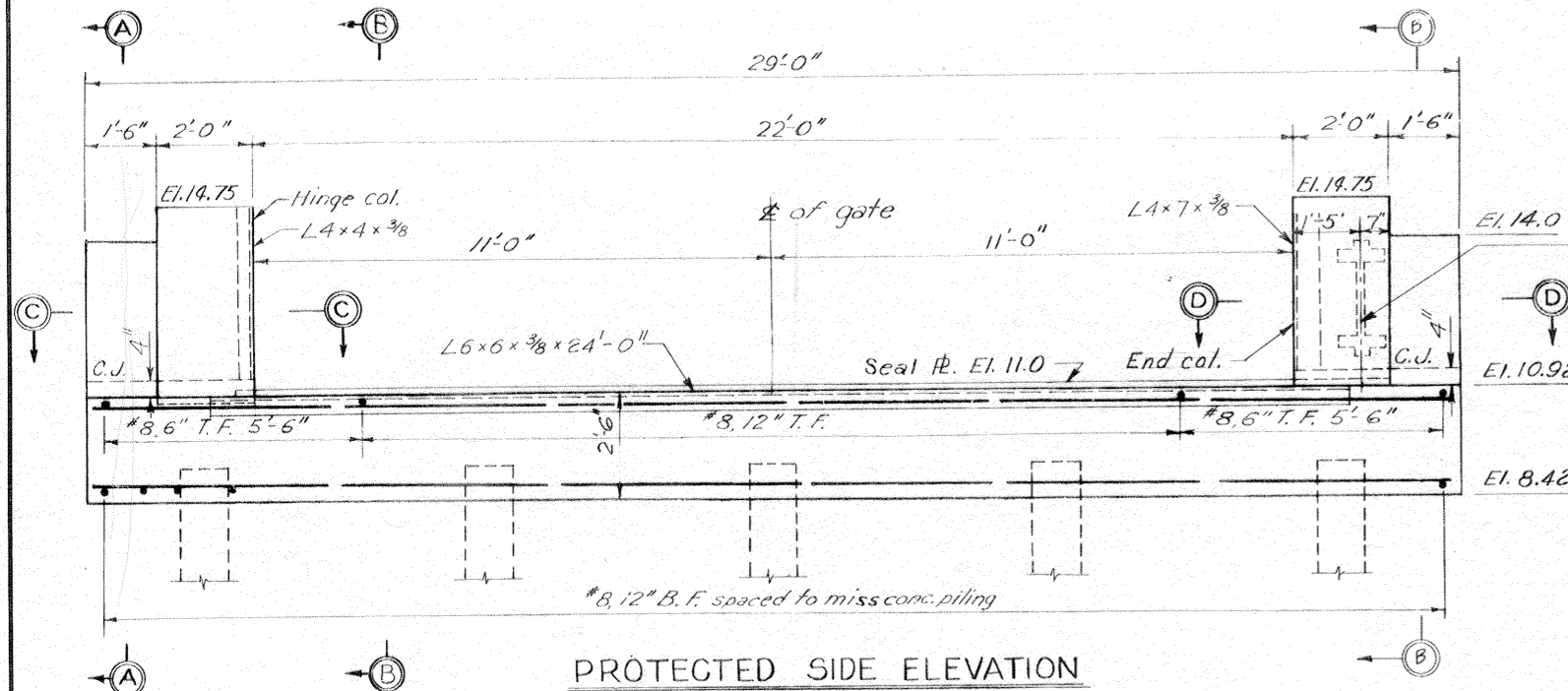
GATE MONOLITH-GATE 2W
 AS CONSTRUCTED

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
D.A.M.	G.P.M.	H.L.B.	H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0126 DWG. NO. 20 OF 47

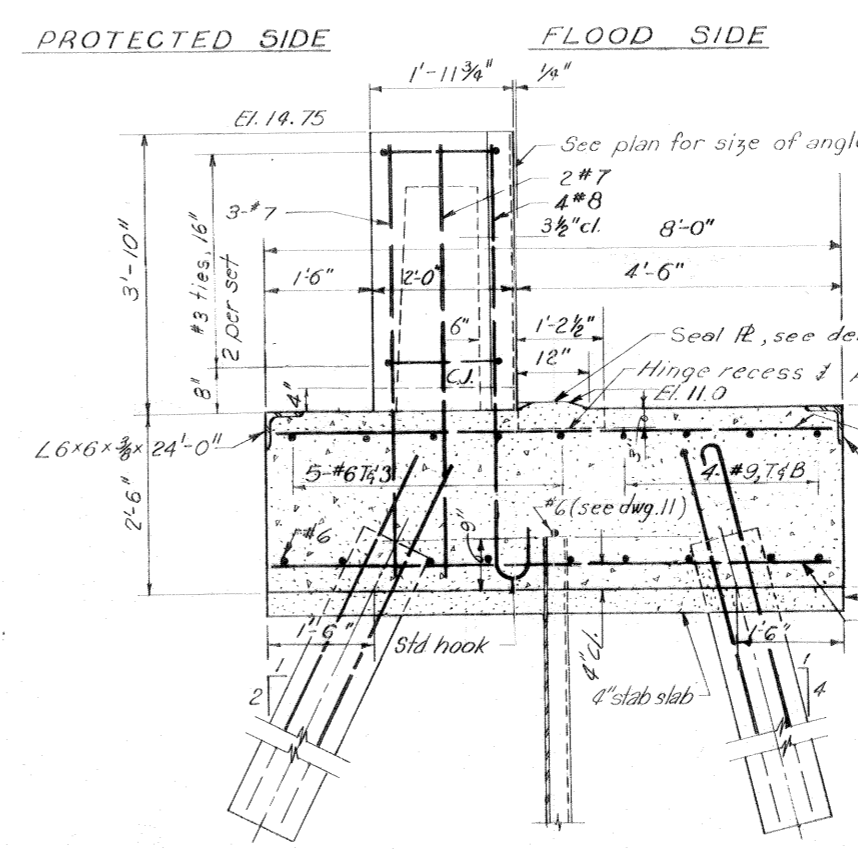
HNCC WEST LEVEE - U.S. HWY 90 TO ALMONASTER AVE.



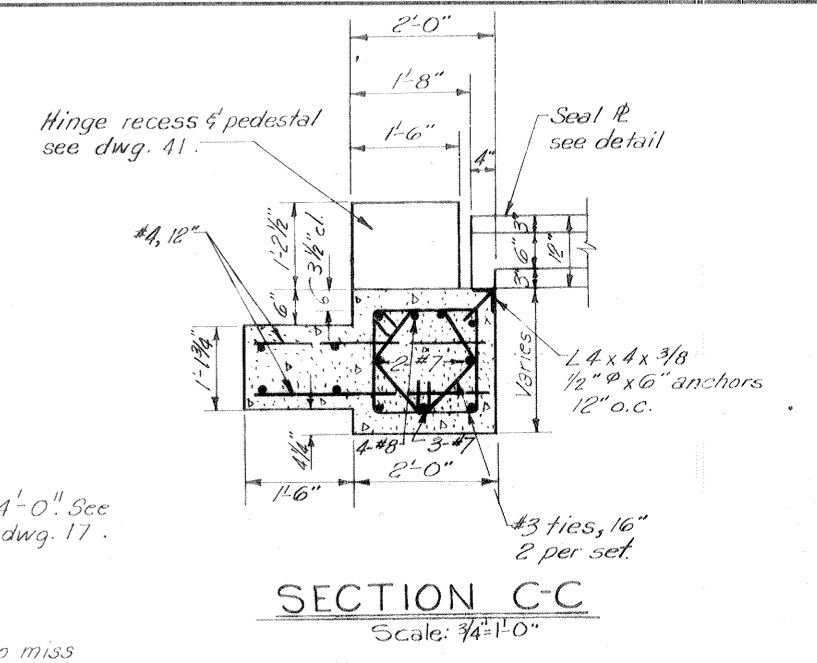
PLAN AT EL. 11.00
Scale: 1/2" = 1'-0"



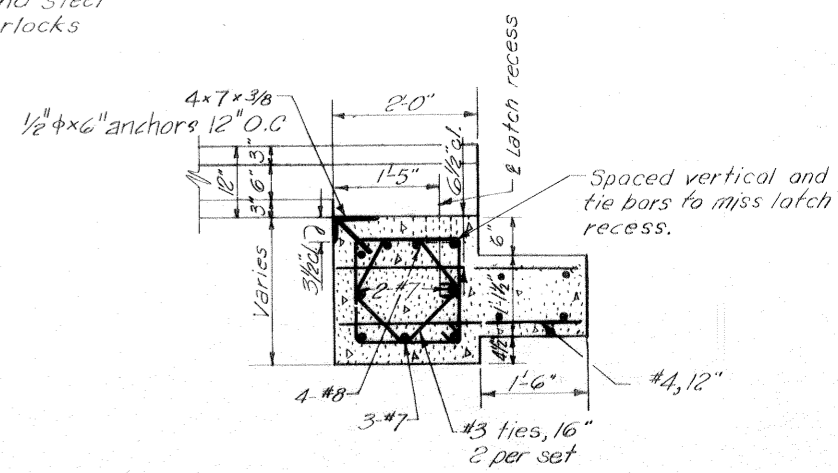
PROTECTED SIDE ELEVATION



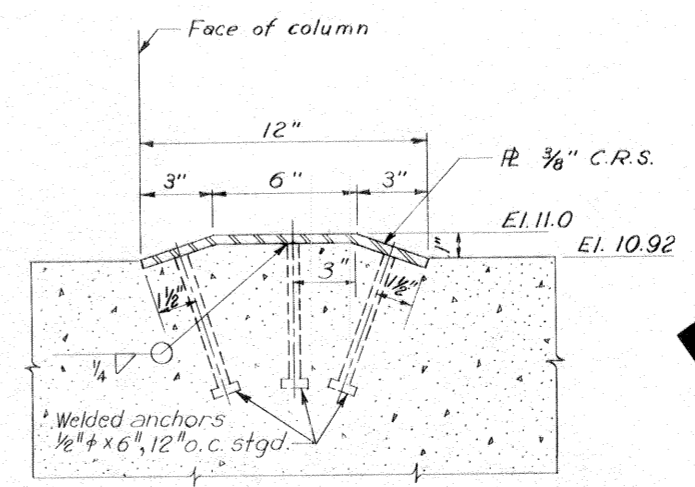
SECTION B-B
Scale: 3/4" = 1'-0"



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

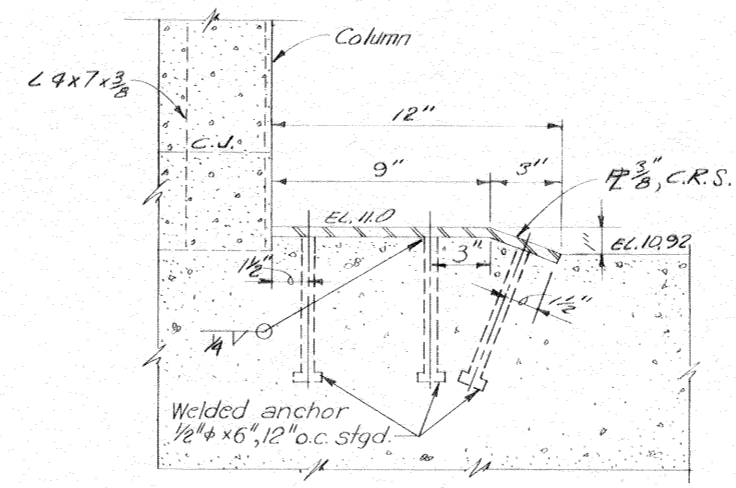


SECTION D-D
Scale: 3/4" = 1'-0"

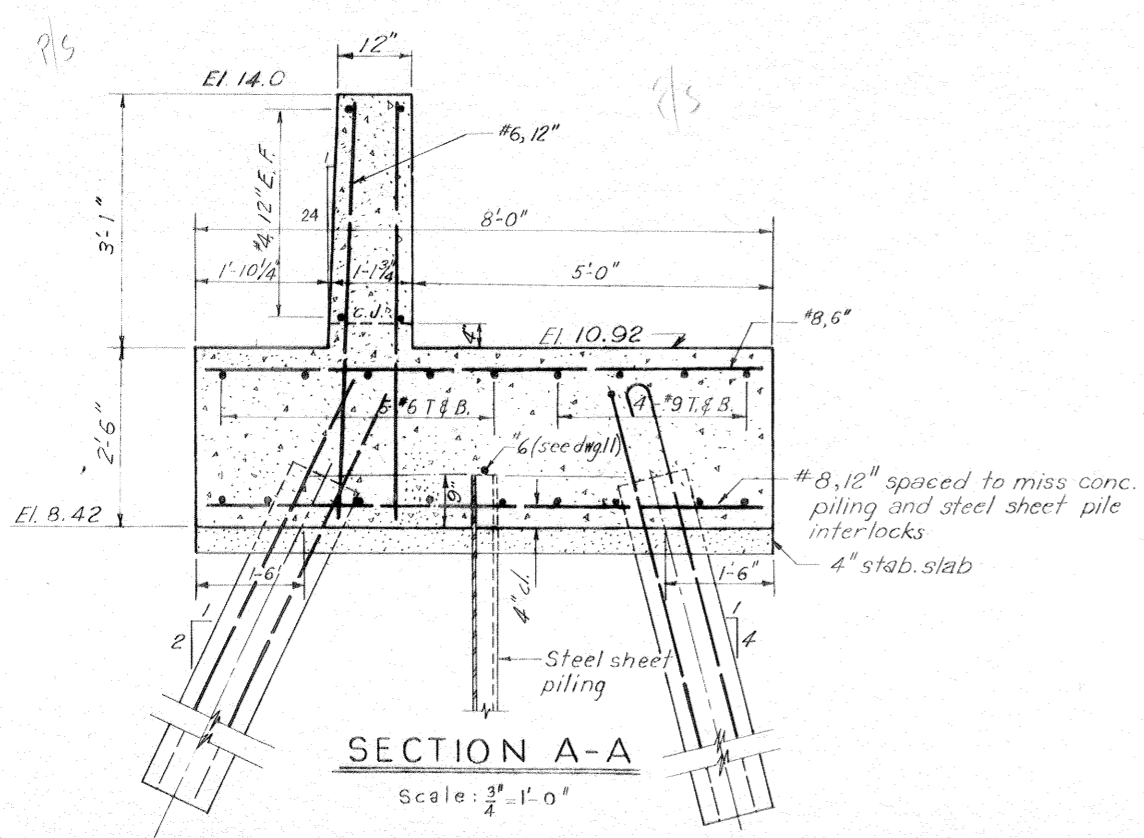


SEAL PLATE DETAIL
Scale: 3" = 1'-0"

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

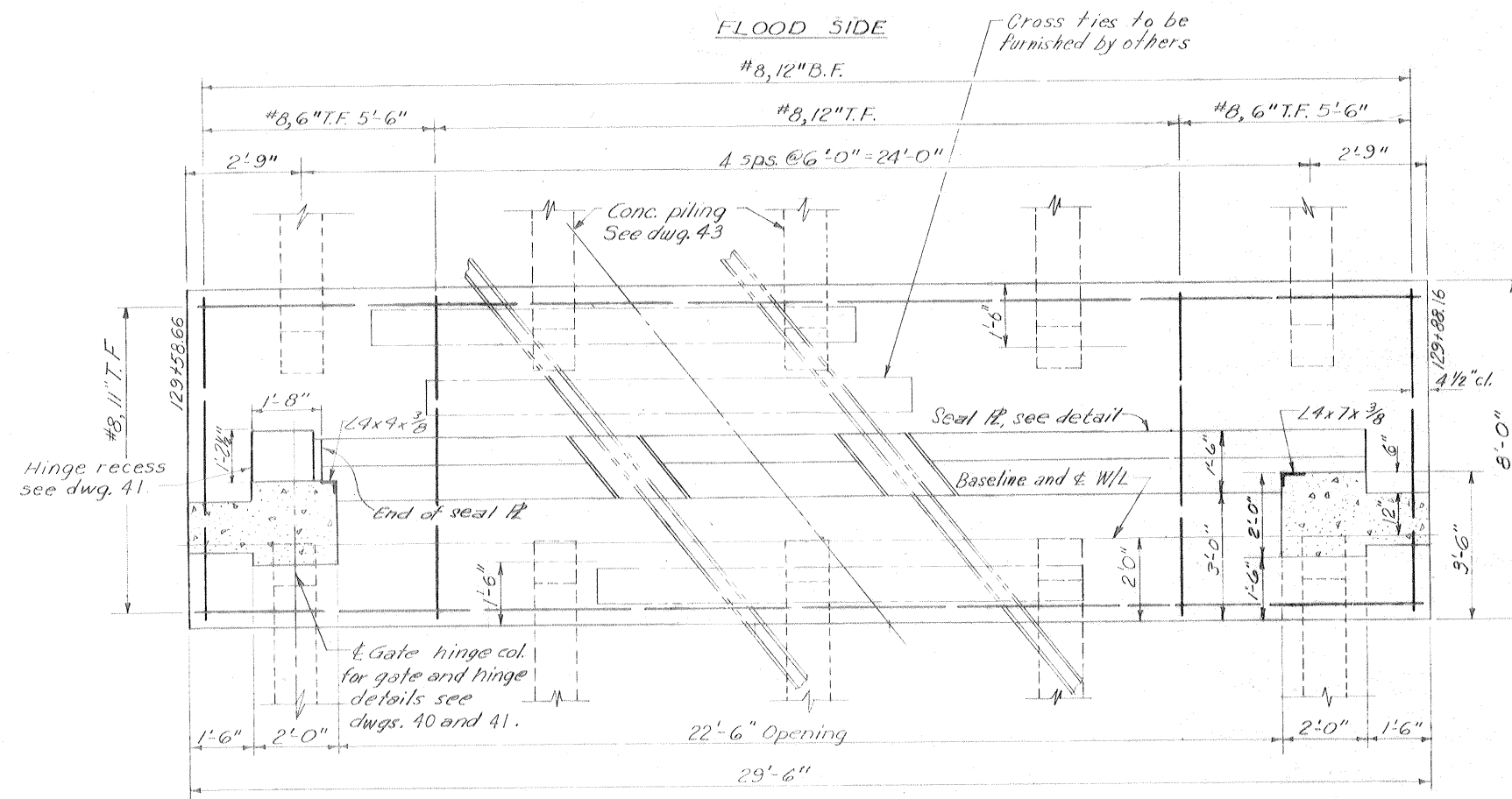


SECTION A-A
Scale: 3/4" = 1'-0"

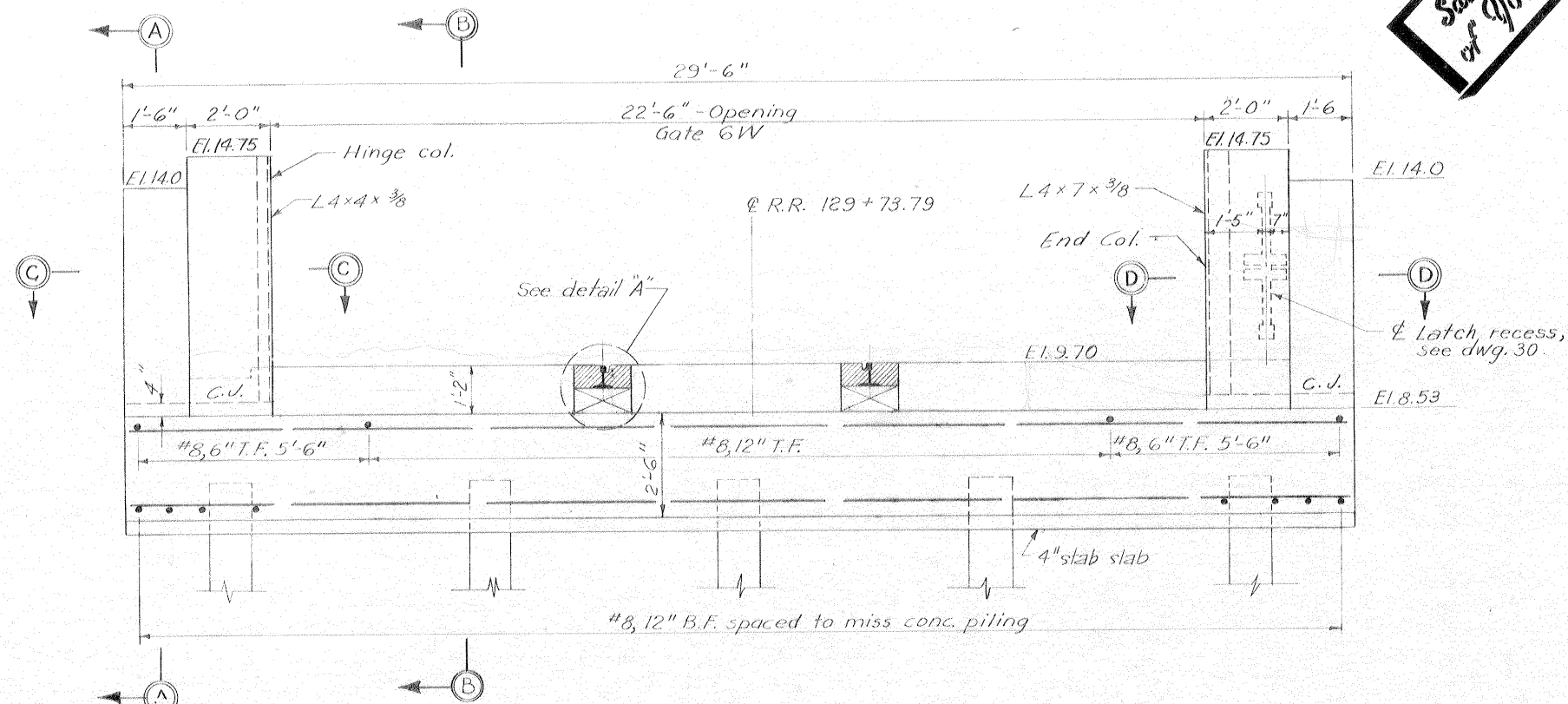
TABULATION OF CONCRETE PILES	
PROTECTED SIDE	FLOOD SIDE
79	72'

Note:
For general notes, see dwg. 2
For elevations of steel sheet piling, see dwgs. 4, 5 and 6
All holes cut in steel sheet piling for reinf. shall not exceed 2" +

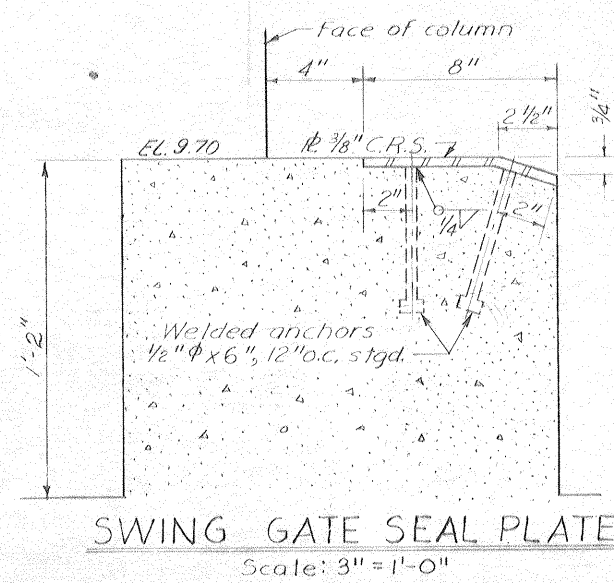
REVISION	DATE	DESCRIPTION	BY
2-2-71		Changed dwg. #27 to #30 in elevation, Mat. # 8	A.E.F.
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
T.F.P.	E.J.C.	H.L.B.	
H-4-24692			
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0125 DWG. NO. 21 OF 47



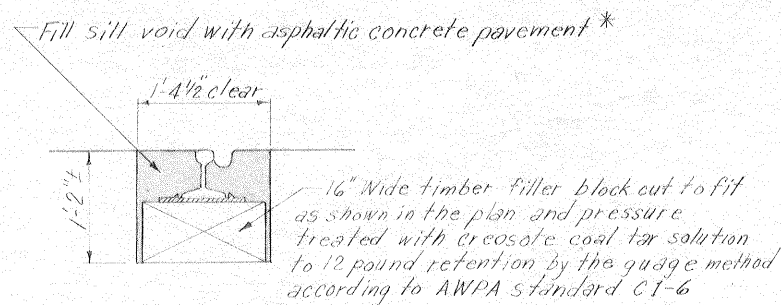
PROTECTED SIDE
PLAN AT EL. 9.78
 Scale: 1/2" = 1'-0"



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



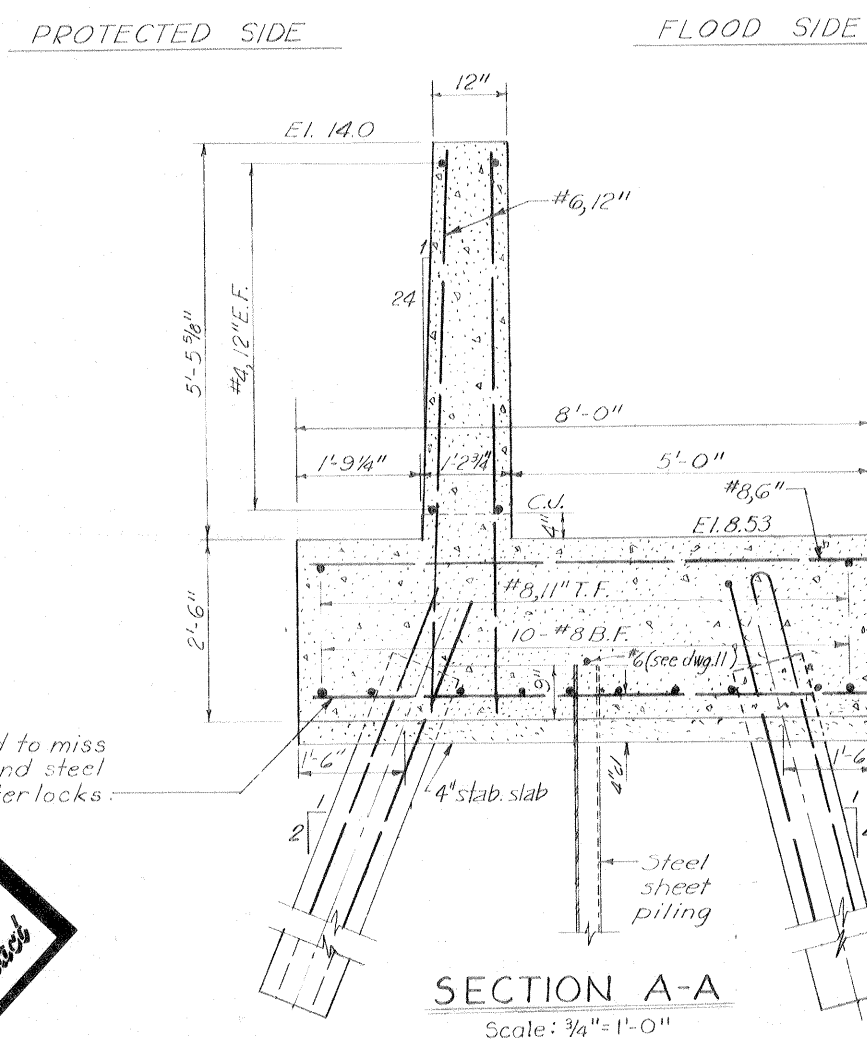
SWING GATE SEAL PLATE
 Scale: 3" = 1'-0"



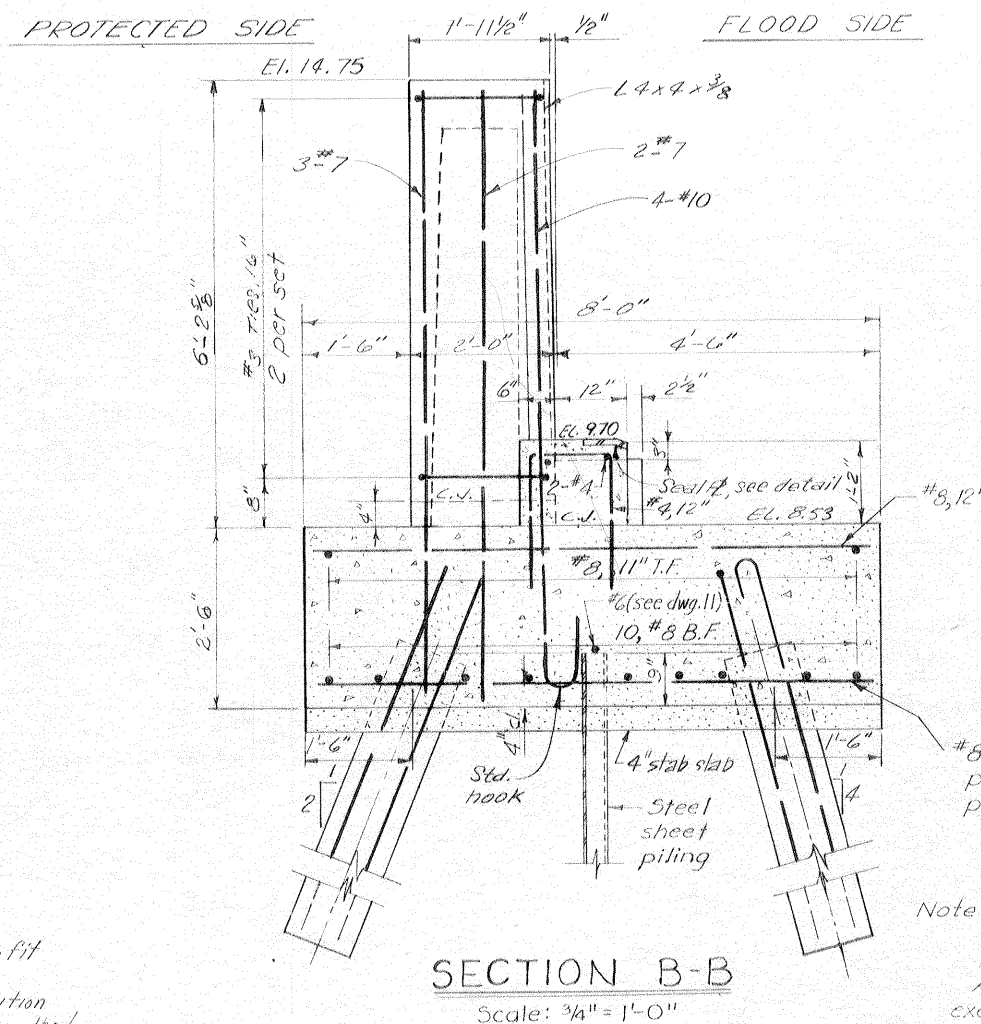
DETAIL A
 Scale: 1" = 1'-0"

* 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.

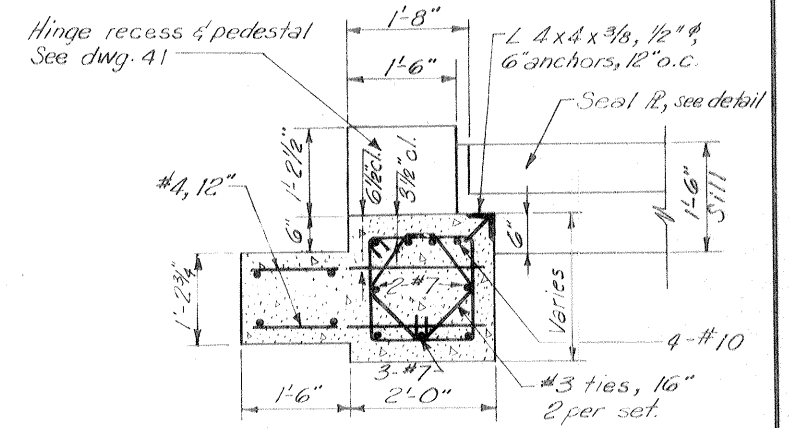
Safety is a Part of Your Contract



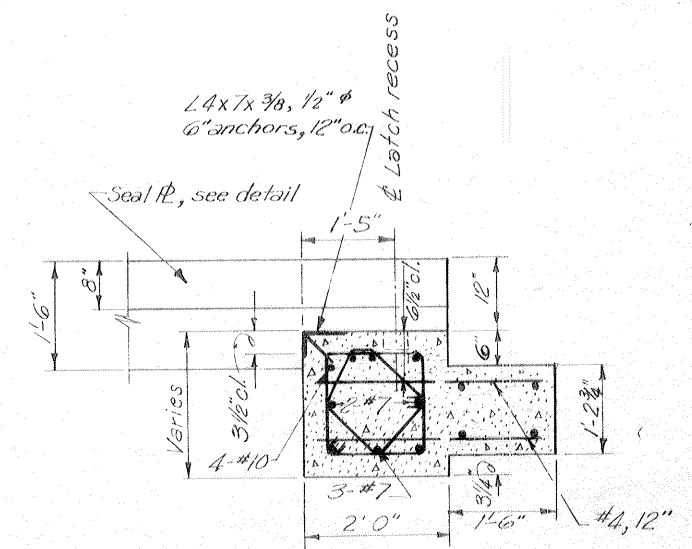
SECTION A-A
 Scale: 3/4" = 1'-0"



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



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



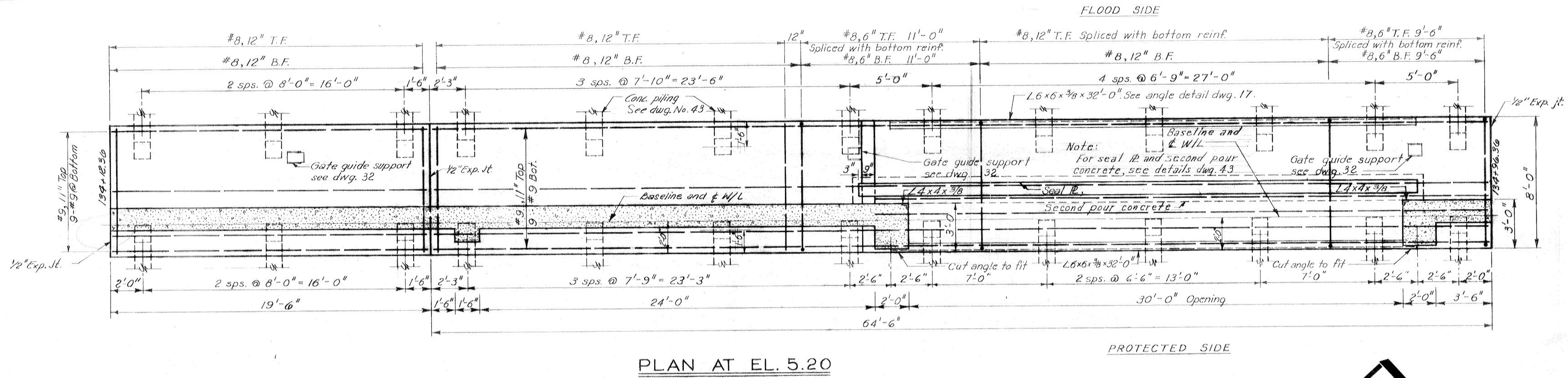
SECTION D-D
 Scale: 3/4" = 1'-0"

Note:
 For general notes see dwg. 2
 For elevations of steel sheet piling see dwg. 6
 All holes cut in steel sheet piling for reinf. shall not exceed 2" φ.

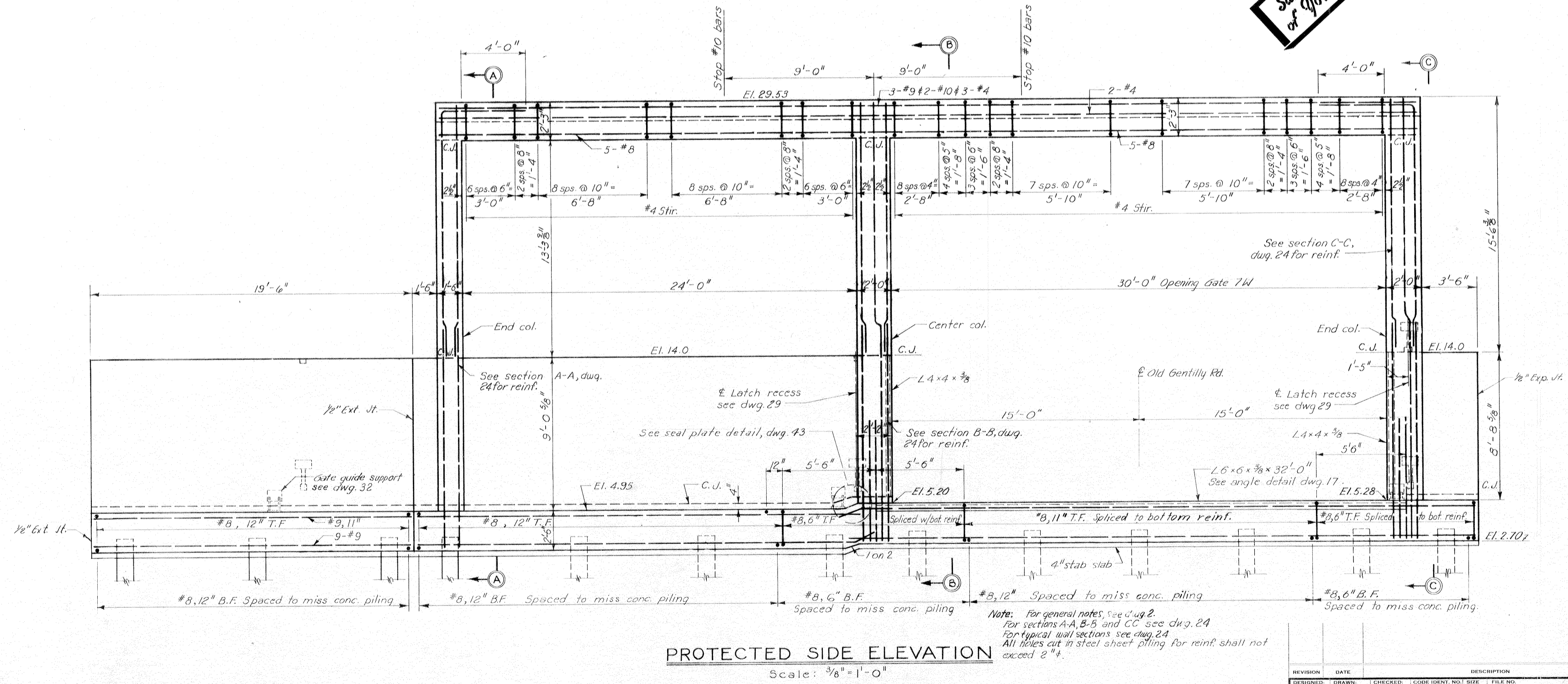
TABULATION OF CONCRETE PILES	
PROTECTED SIDE	FLOOD SIDE
78'	72'

GATE MONOLITH-GATE 6W
 AS CONSTRUCTED

REVISION	DATE	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY
DESIGNED						
T.F.F.		C.E.M.	H.L.B.			
H-4-24692						
DATE: MARCH 1970		SCALE: SHOWN		SPEC. NO. DACW29-70-B-0126		DWG. NO. 22 OF 47



Safety is a Part of Your Contract

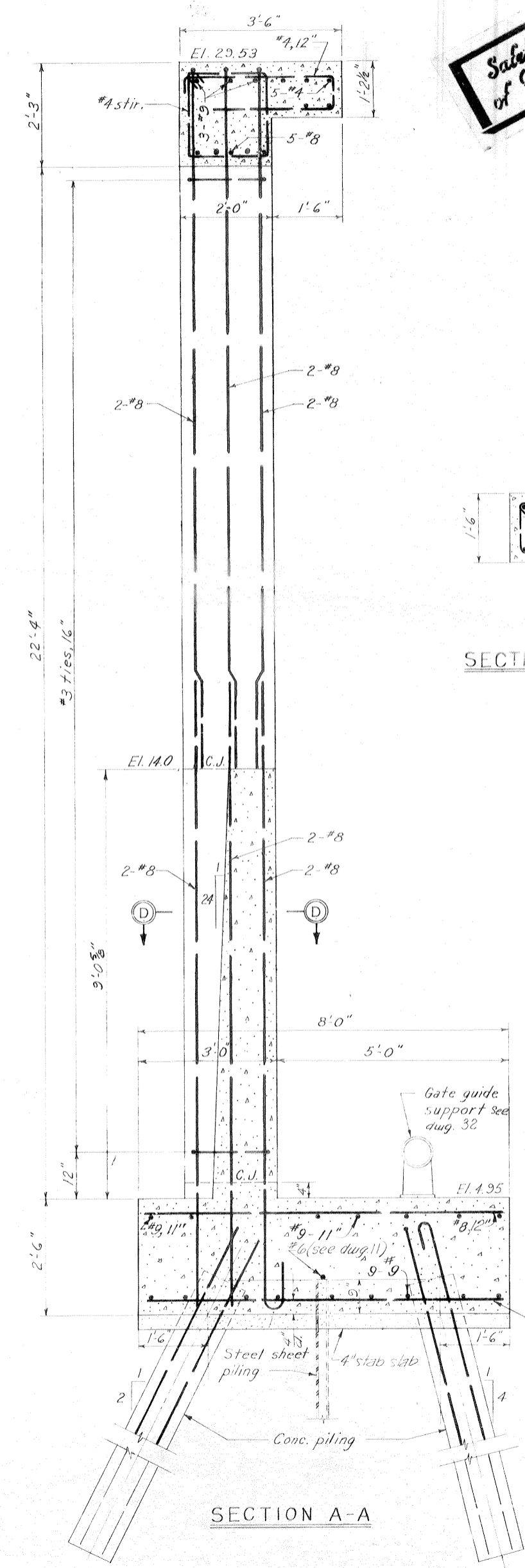


Note: For general notes, see dwg. 2.
 For sections A-A, B-B and C-C see dwg. 24.
 For typical wall sections see dwg. 24.
 All holes cut in steel sheet piling for reinf. shall not exceed 2" dia.

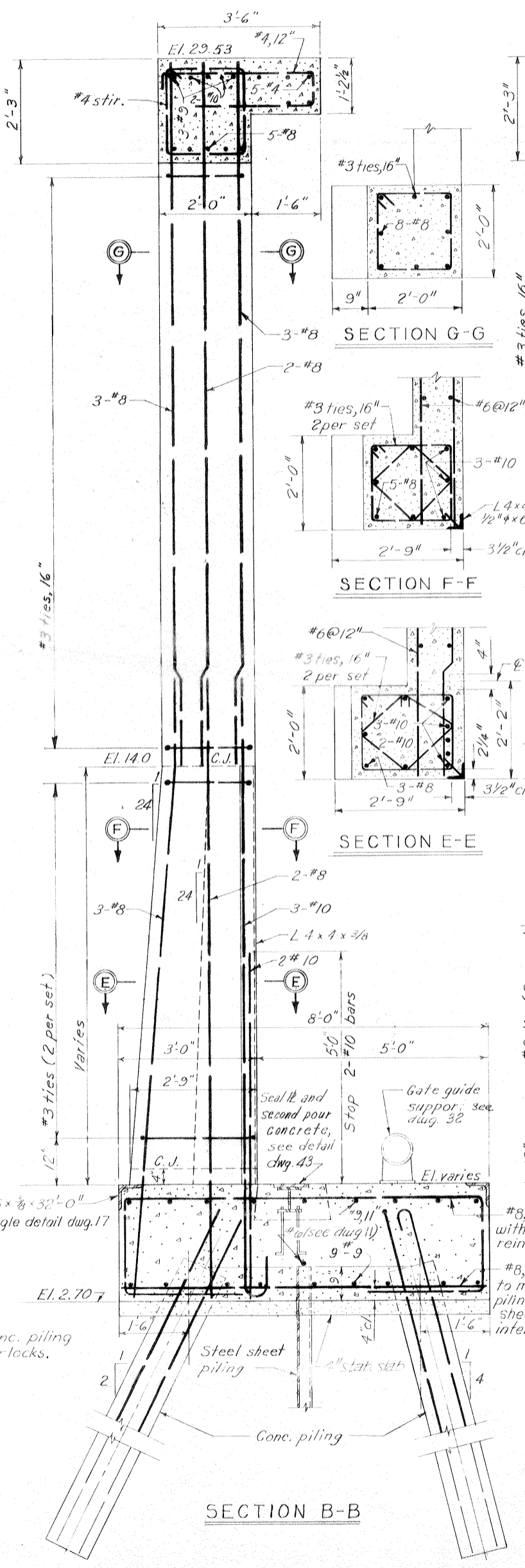
REVISION	DATE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: J.J.P.	CHECKED: H. L. B.	FILE NO. H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0126 DWG. NO. 23 OF 47

Safety is a Part of Your Contract

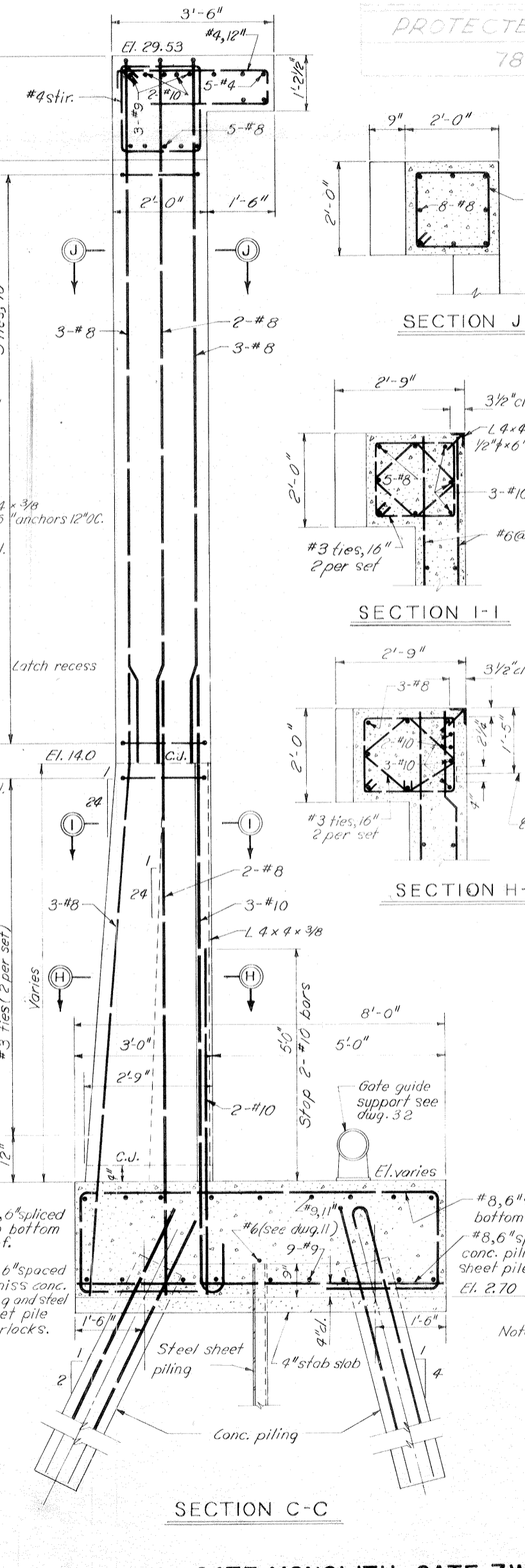
TABULATION OF CONCRETE PILES	
PROTECTED SIDE	FLOOD SIDE
78'	72'



SECTION A-A

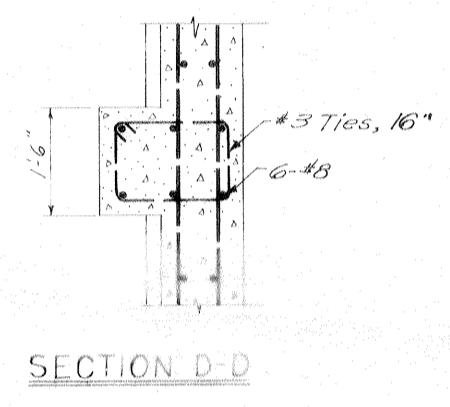


SECTION B-B

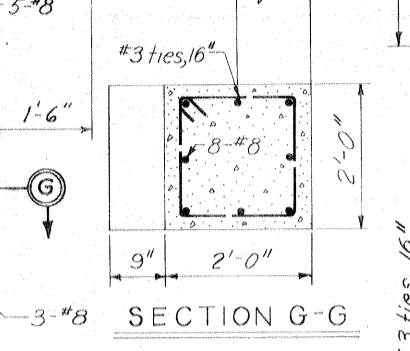


SECTION C-C

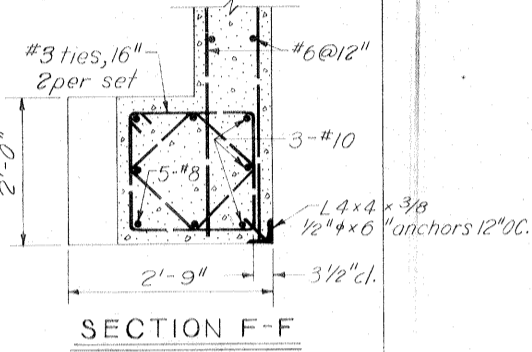
Scale: 3/4" = 1'-0"



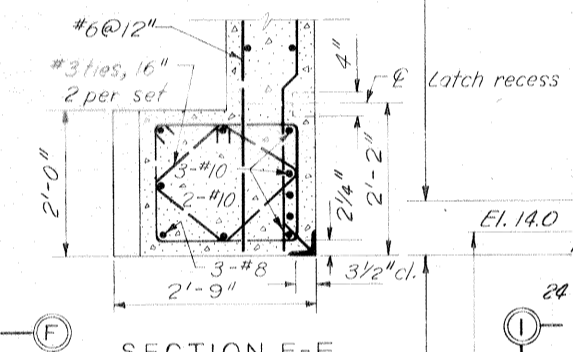
SECTION D-D



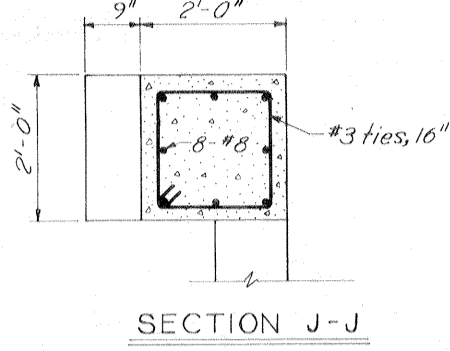
SECTION G-G



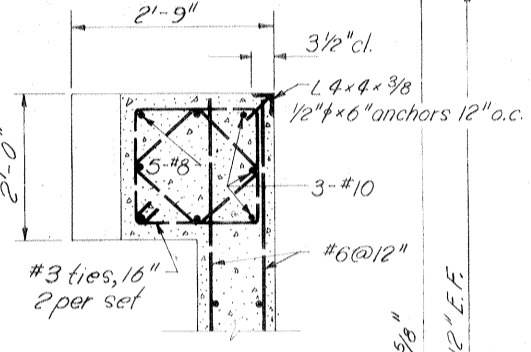
SECTION F-F



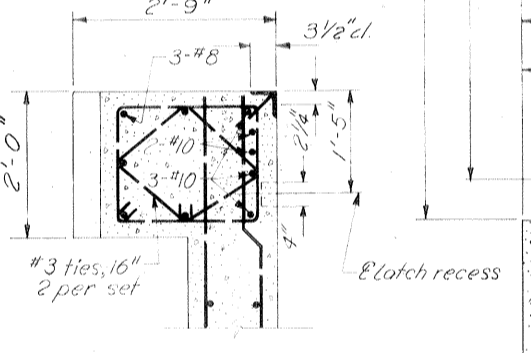
SECTION E-E



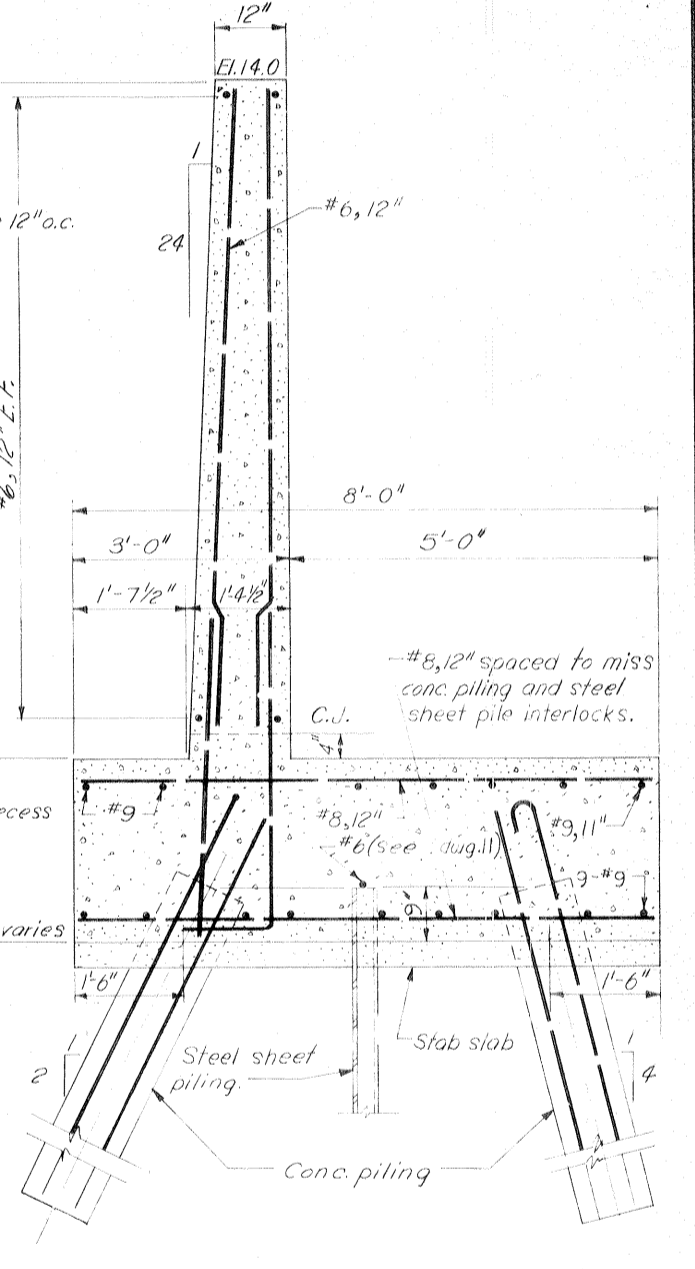
SECTION J-J



SECTION I-I

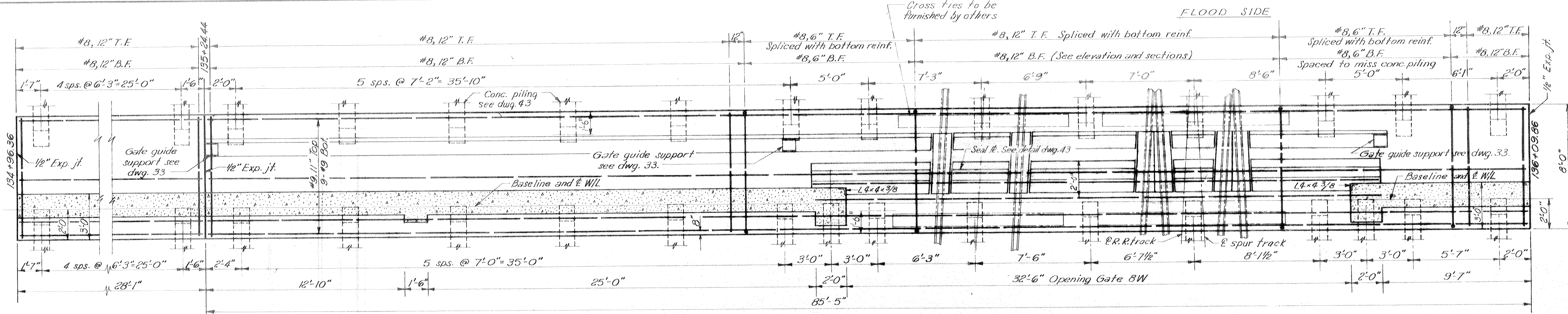


SECTION H-H



TYPICAL WALL SECTION

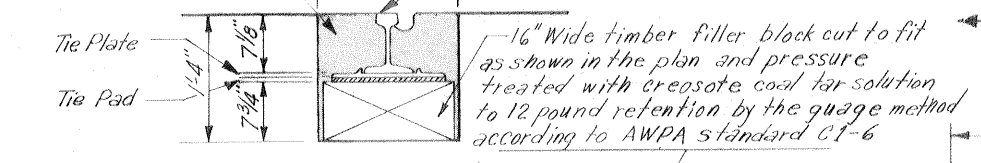
Note:
 For general notes, see dwg. 2
 For elevations of steel sheet piling, see dwg. 7
 For location of sections, see dwg. 23
 All holes cut in steel sheet piling for reinf. shall not exceed 2" dia.



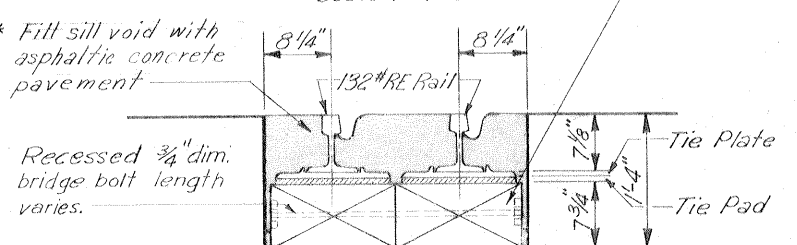
PLAN AT EL. 8.29

Safety is a Part of Your Contract

* Fill sill void with asphaltic concrete pavement

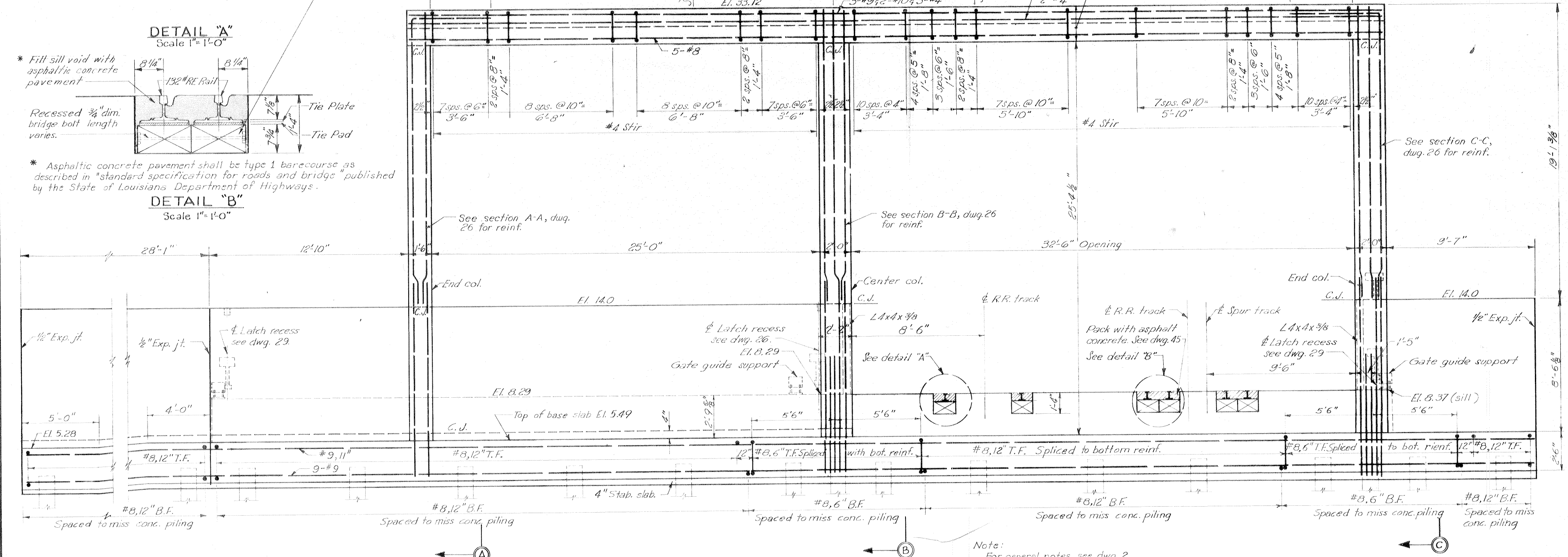


DETAIL "A"
Scale 1"=1'-0"



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

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



PROTECTED SIDE ELEVATION

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

Note:
For general notes, see dwg. 2.
For elevations of steel sheet piling, see dwg. 7.
For sections A-A, B-B, and C-C see dwg. 26.
For typical wall sections, see dwg. 26.
For falsework detail see dwg. 45.
All holes cut in steel sheet piling for reinf. shall not exceed 2" ϕ .

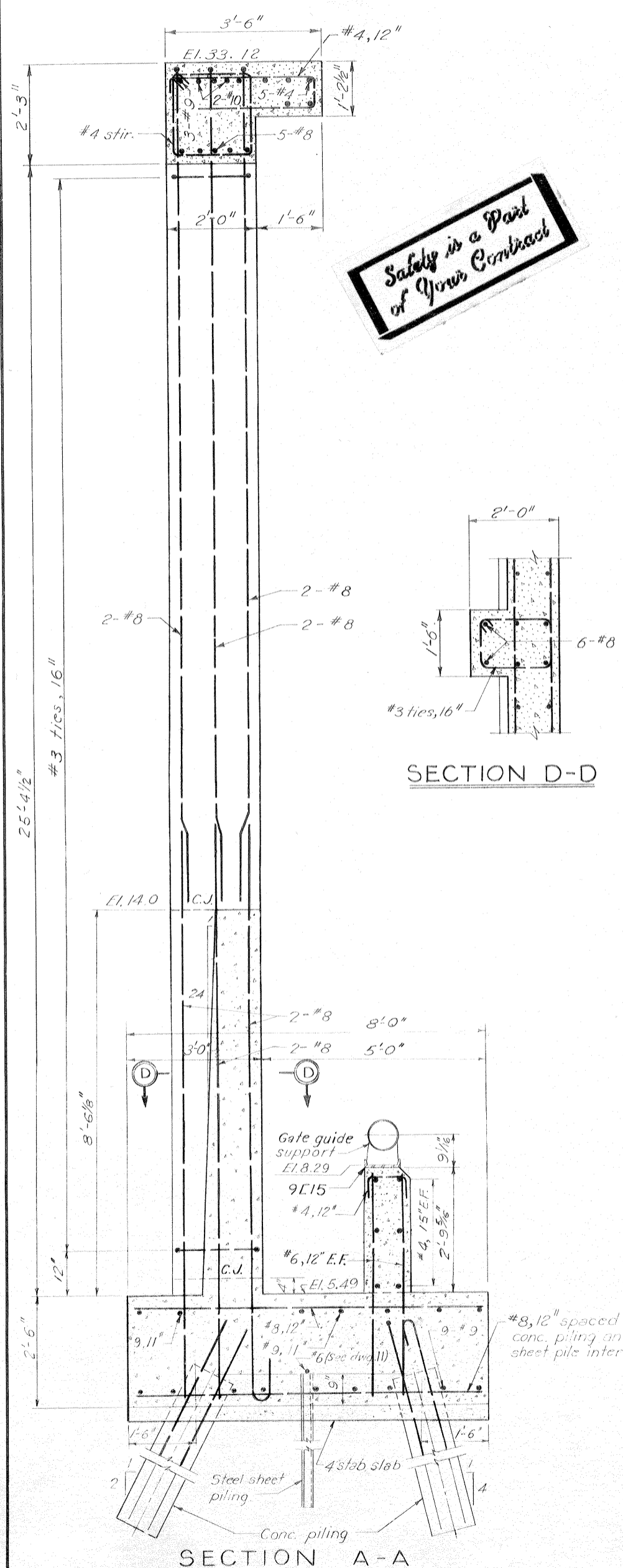
REVISION	DATE	CHECKED	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: B.H.D.	CHECKED: H.L.B.	CODE IDENT. NO. SIZE FILE NO.	
H-4-24692				
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0126	DWG. 25 OF 47

GATE MONOLITH-GATE 8W

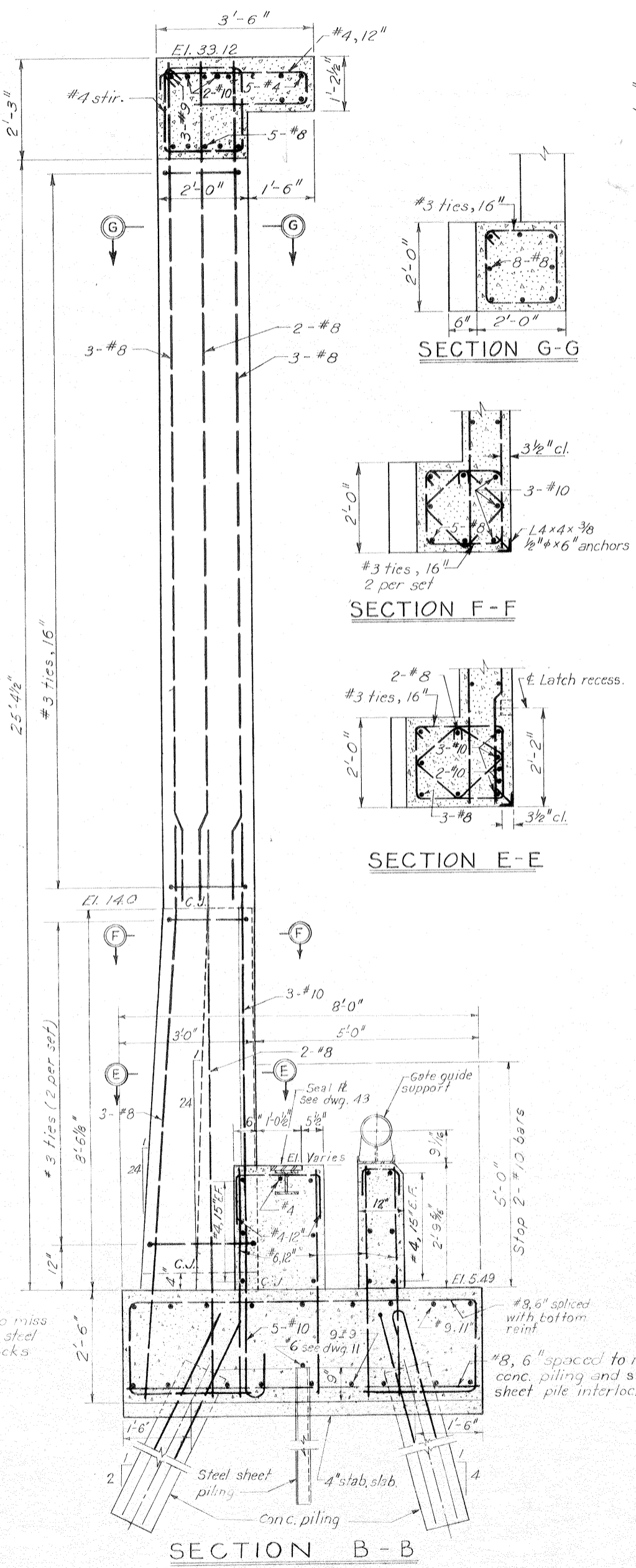
AS CONSTRUCTED

IHC, WEST LEVEE - U.S. HWY. 90 TO ALMONASTER AVE.

Safety is a Part of Your Contract

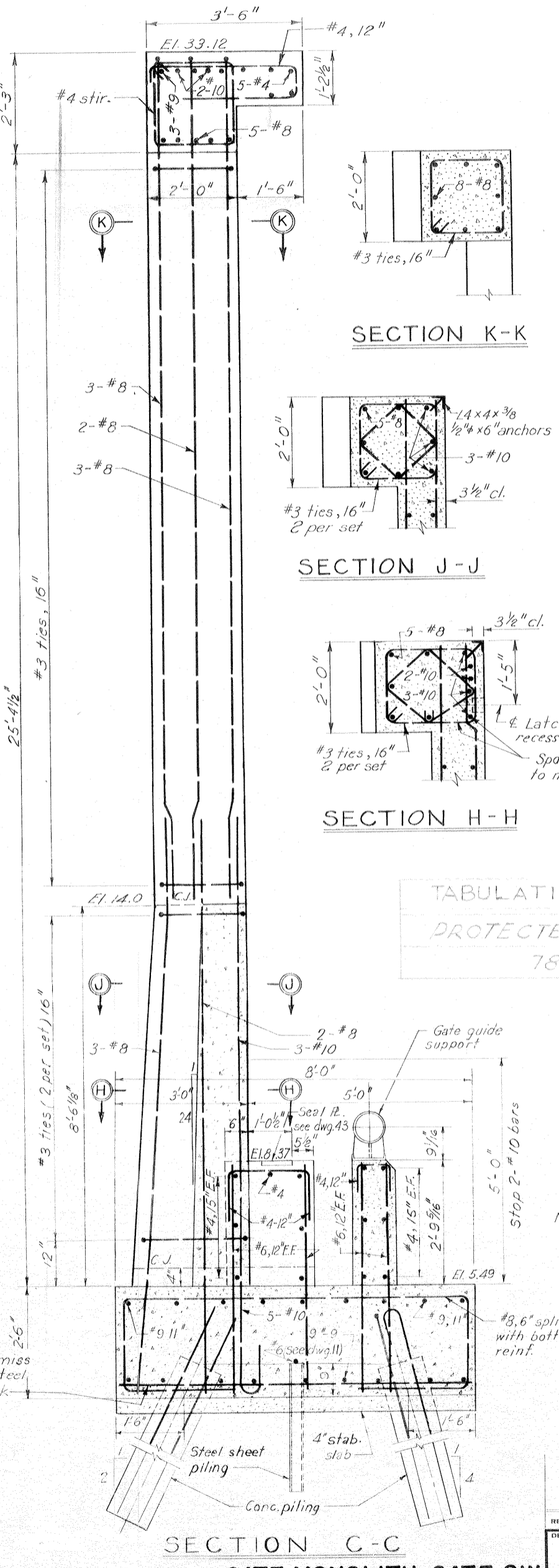


SECTION A-A



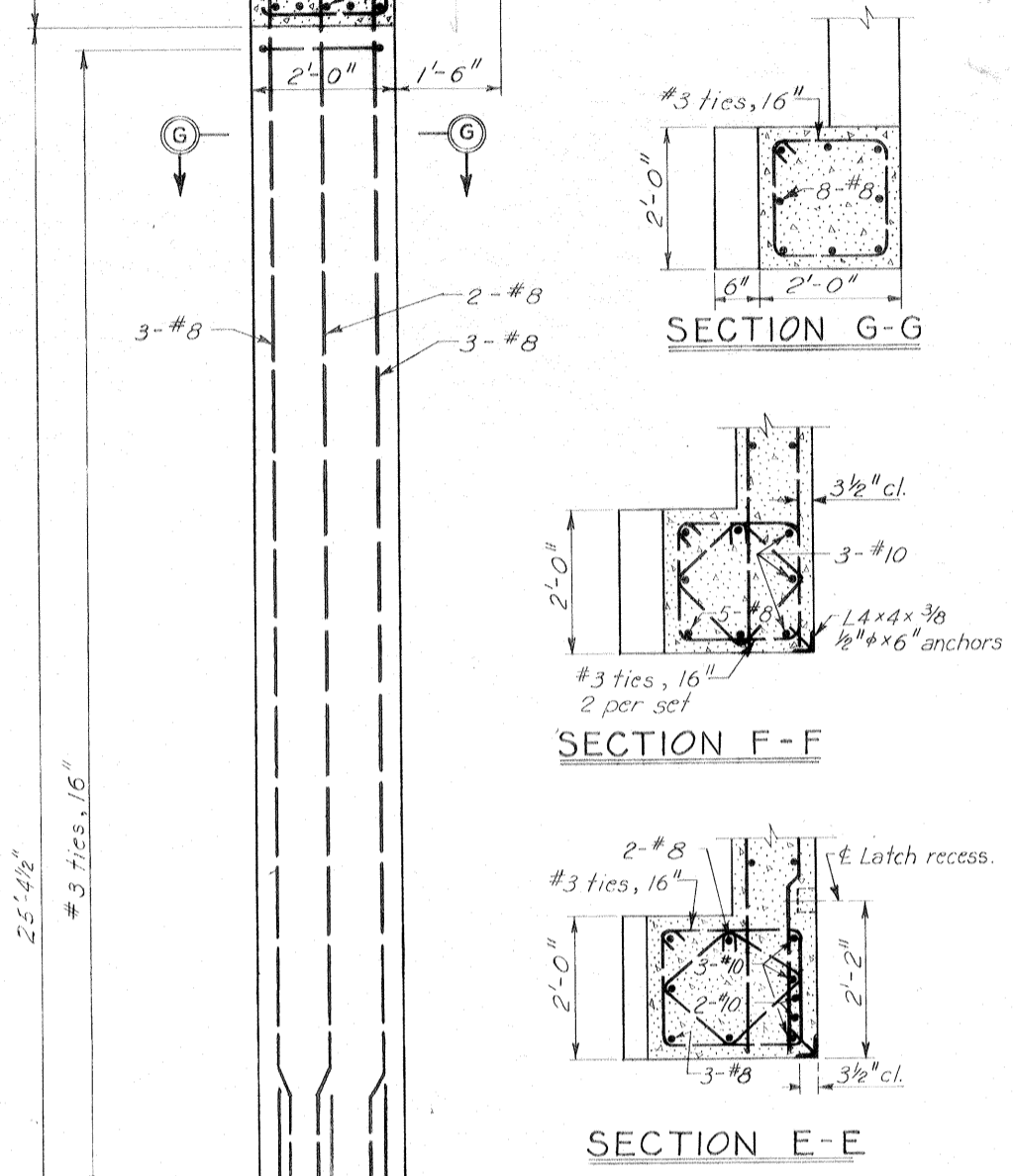
SECTION B-B

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



SECTION C-C

GATE MONOLITH-GATE 8W
AS CONSTRUCTED

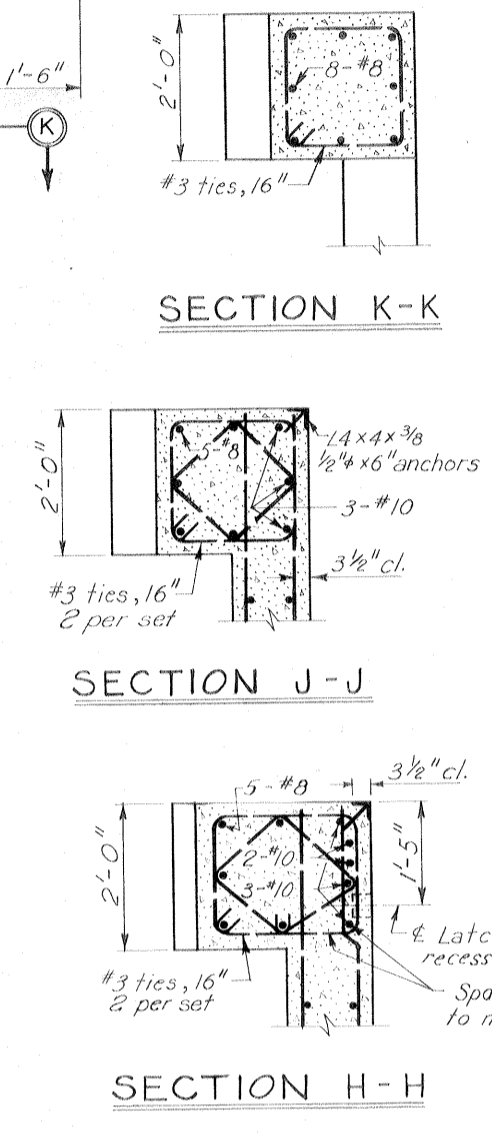


SECTION D-D

SECTION E-E

SECTION F-F

SECTION G-G

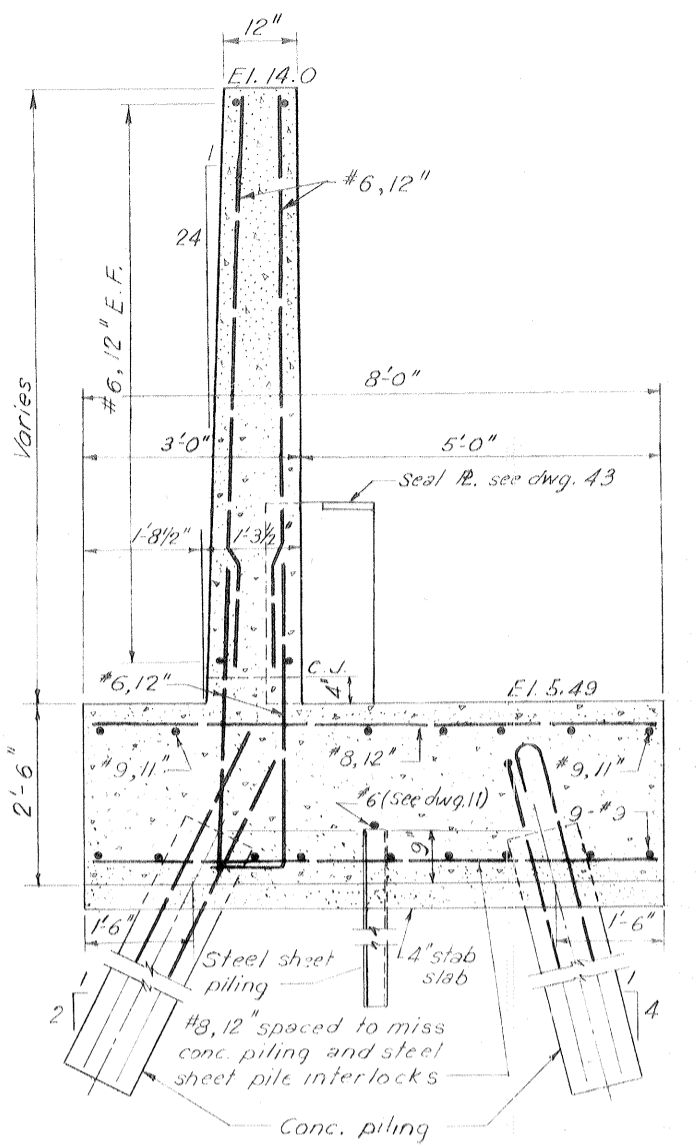


SECTION H-H

SECTION J-J

SECTION K-K

TABULATION OF CONCRETE PILES	
PROTECTED SIDE	FLOOD SIDE
78'	72'

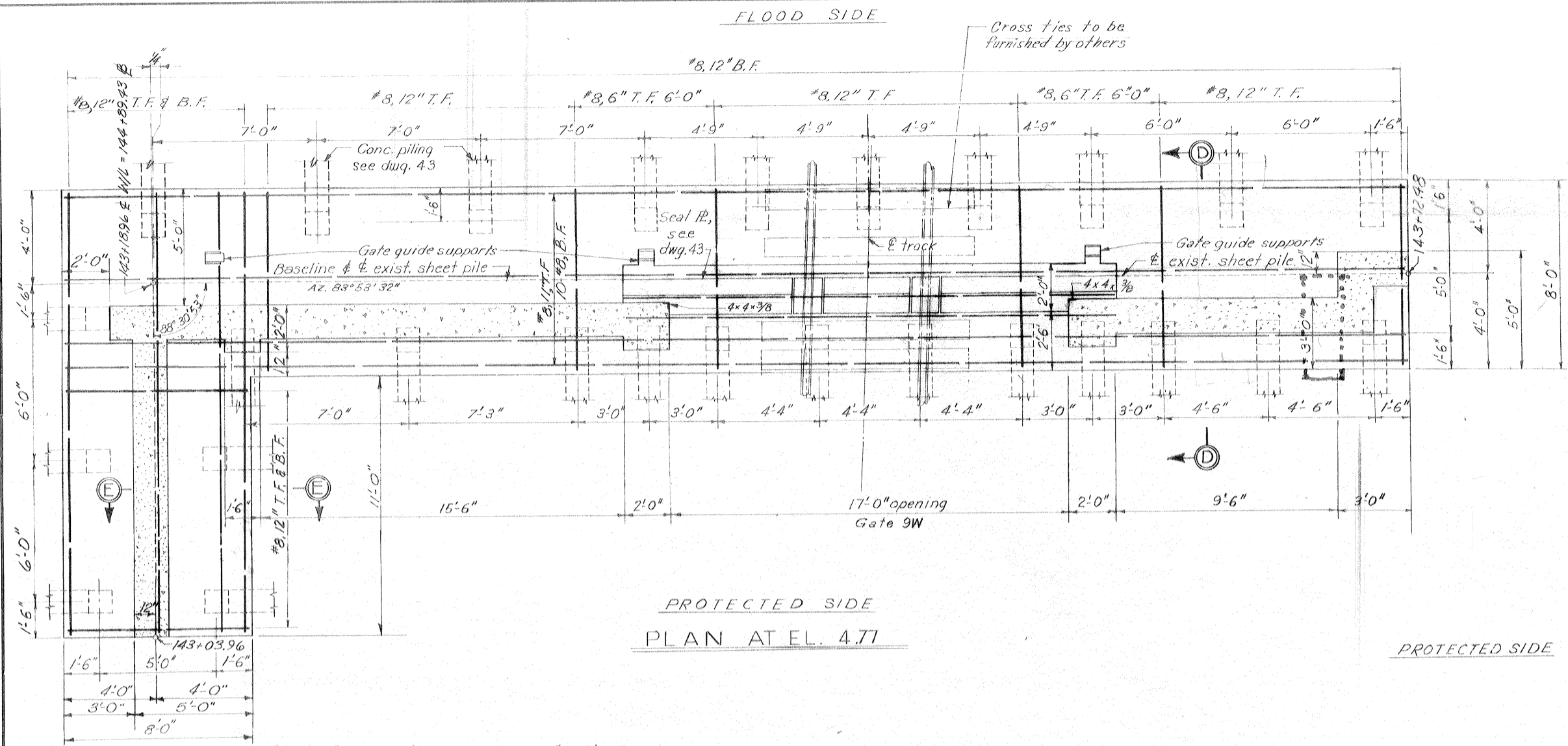


TYPICAL WALL SECTION

Note:
For general notes, see dwg. 2
For elevations of steel sheet piling, see dwg. 7
For locations of sections, see dwg. 25.
All holes cut in steel sheet piling for reinf. shall not exceed 2".
For falsework details see dwg. 45.

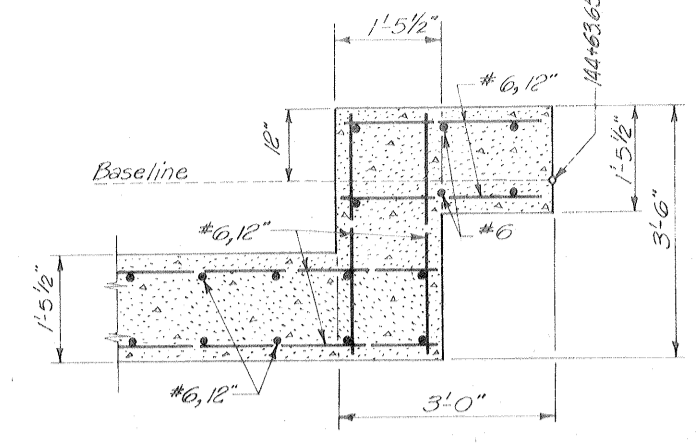
REVISION	DATE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: J.J.P.	CHECKED: H.L.B.	FILE NO. H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0126 DWG. NO. 26 OF 47

IHNC, WEST LEVEE-US. HWY. 90 TO ALMONASTER AVE.

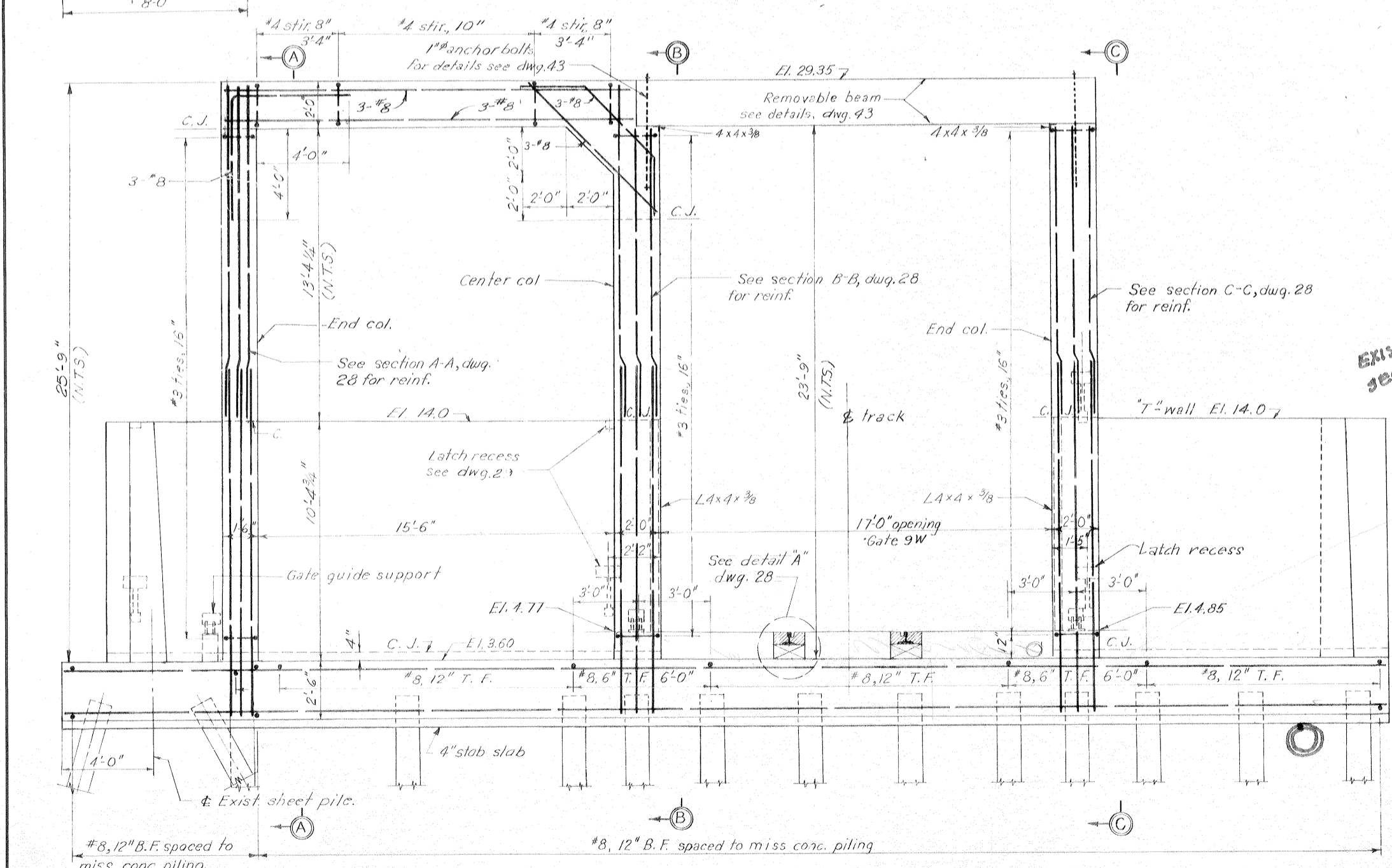


PROTECTED SIDE
PLAN AT EL. 4.77

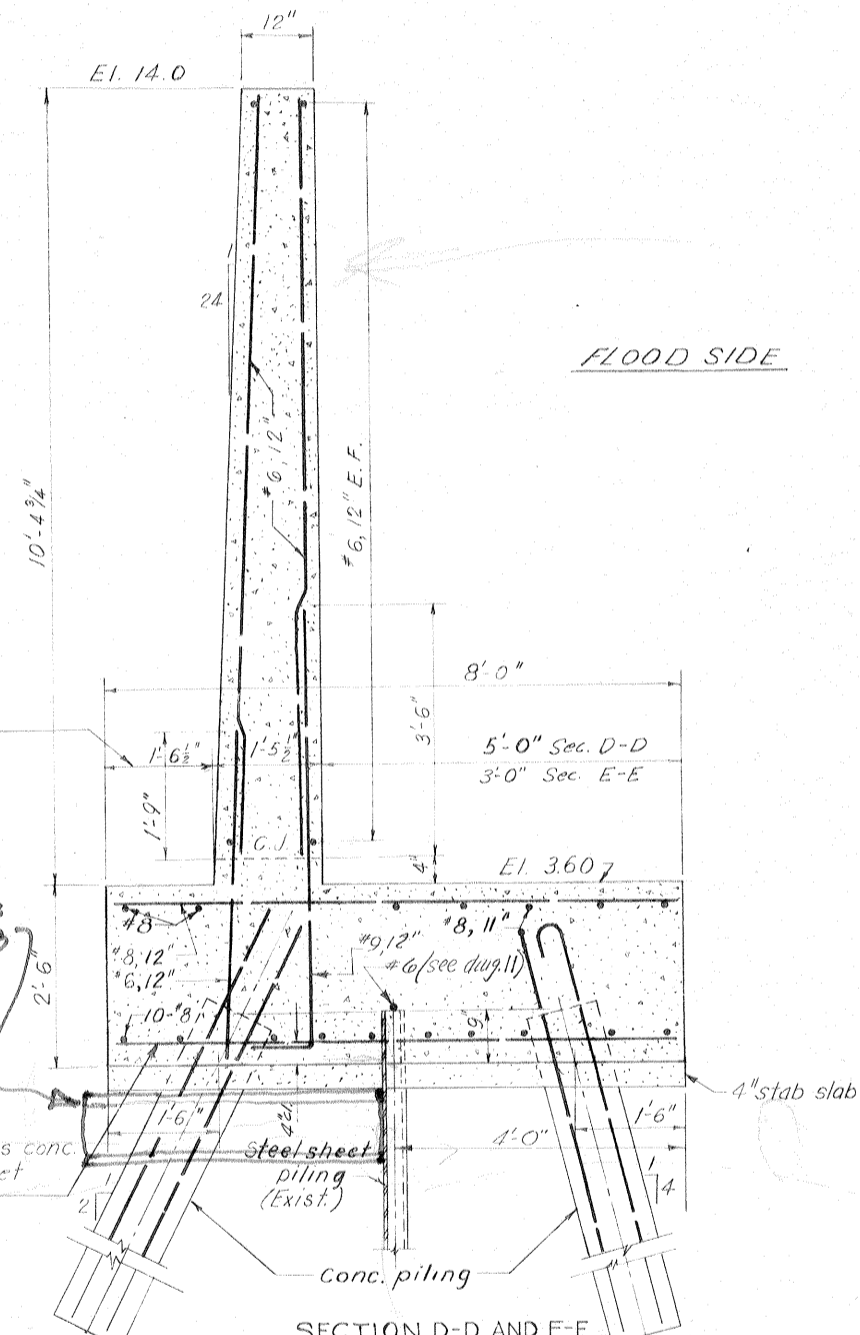
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DETAIL OF WALL CORNERS
Scale $\frac{3}{4}'' = 1'-0''$



PROTECTED SIDE ELEVATION
Scale $\frac{3}{8}'' = 1'-0''$



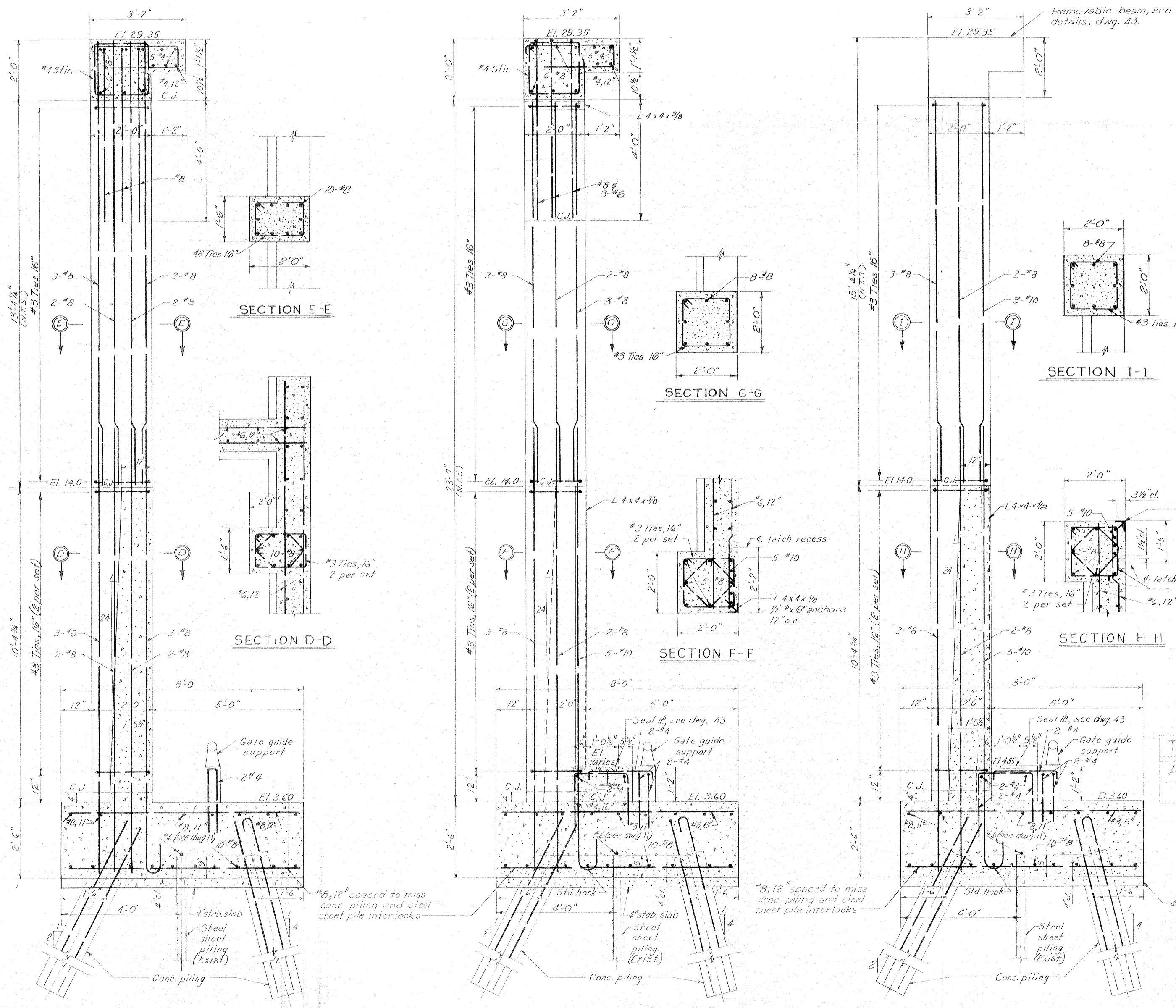
SECTION D-D AND E-E
TYPICAL WALL SECTION
Scale $\frac{3}{4}'' = 1'-0''$

Note: Section E-E similar

Note:
For general notes, see dwg. 2
For elevations of steel sheet piling, see dwg. 8.
For sections A-A, B-B and C-C see dwg. 28.
All holes cut in steel sheet piling for reinf. shall not exceed 2" ϕ .

GATE MONOLITH-GATE 9W
AS CONSTRUCTED

REVISION	DATE	CHECKED	DESCRIPTION	BY
DESIGNED	DRAWN	FILE NO.		
D.A.M.	E.J.C.	H.L.B.	H-4-24692	
DATE: MARCH 1970	SCALE: SHOWN	SPEC. NO. DACW2970-B-0126	DWG. NO. 27 OF 47	



Fill sill void with asphaltic concrete pavement *

1-1/2" clear
1-1/2"
16" Wide timber filler block cut to fit as shown in the plan and pressure treated with creosote coal tar solution to 12 pound retention by the gauge method according to AMPA standard C1-6

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.

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TABULATION OF CONCRETE PILES	
PROTECTED SIDE	FLOOD SIDE
72'	72'

Note:
For general notes, see dwg. 2
For elevations of steel sheet piling, see dwg. 8
For location of sections A-A, B-B, & C-C see dwg. 27
For typical wall section, see dwg. 27
All holes cut in steel sheet piling for reinf. shall not exceed 2"

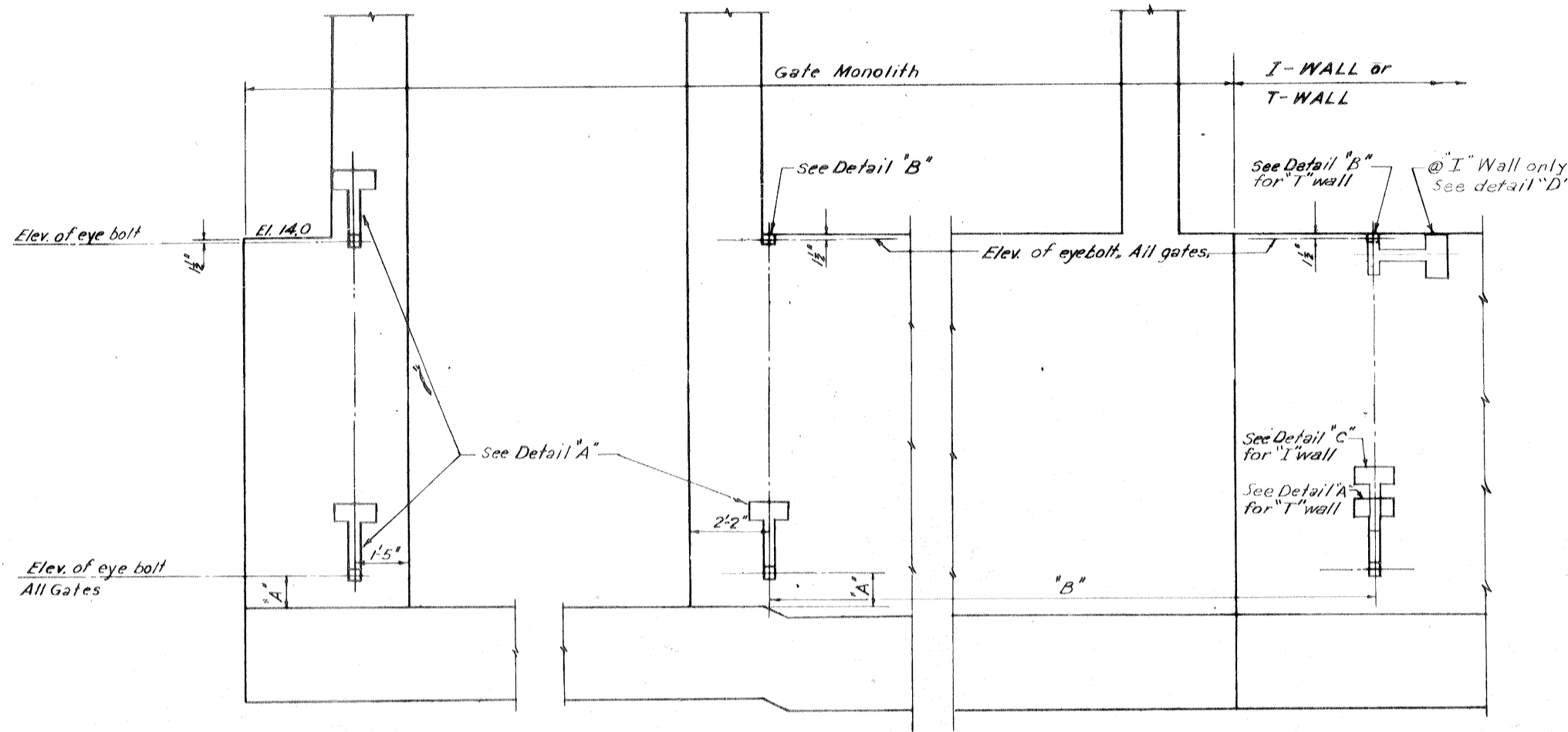
SECTION A-A

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

SECTION C-C

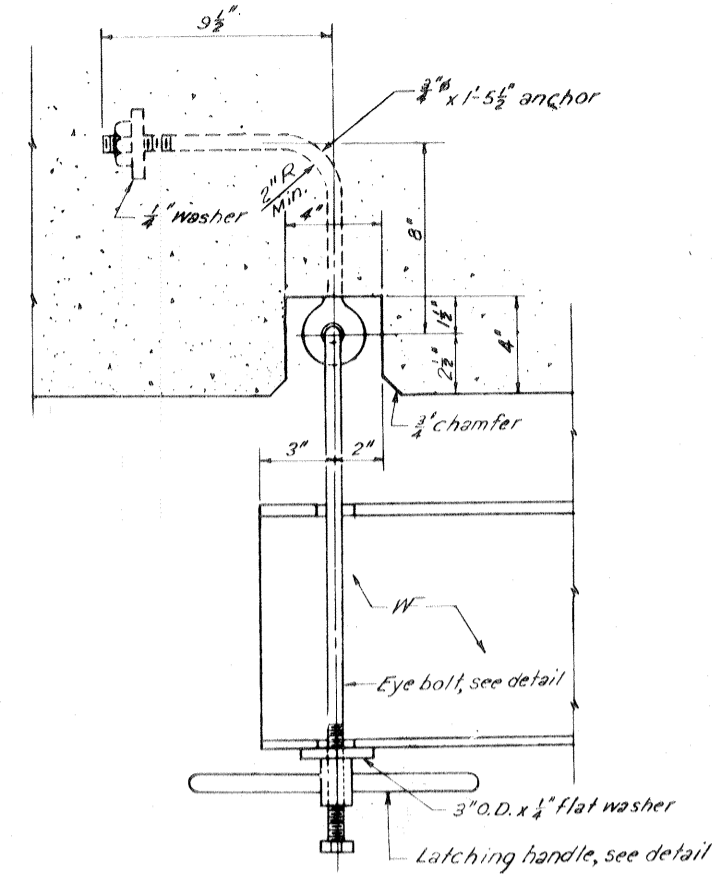
GATE MONOLITH-GATE 9W
AS CONSTRUCTED

REVISION	DATE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: G.P.M.	CHECKED: H.L.B.	FILE NO. H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0126 DWG. NO. 28 OF 47



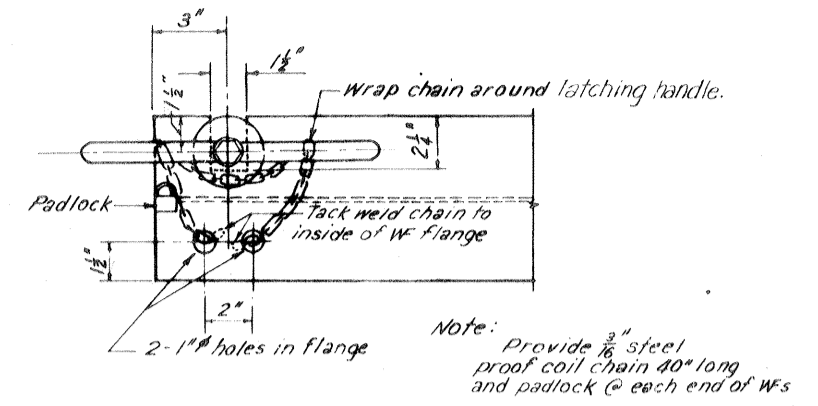
FLOOD SIDE ELEVATION OF OVERHEAD ROLLER GATE MONOLITHS

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



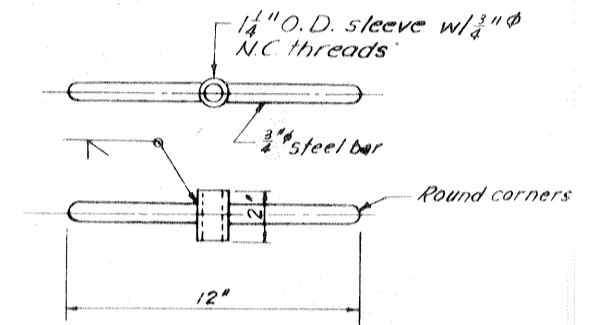
LATCHING ASSEMBLY

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



END OF GATE WFs

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



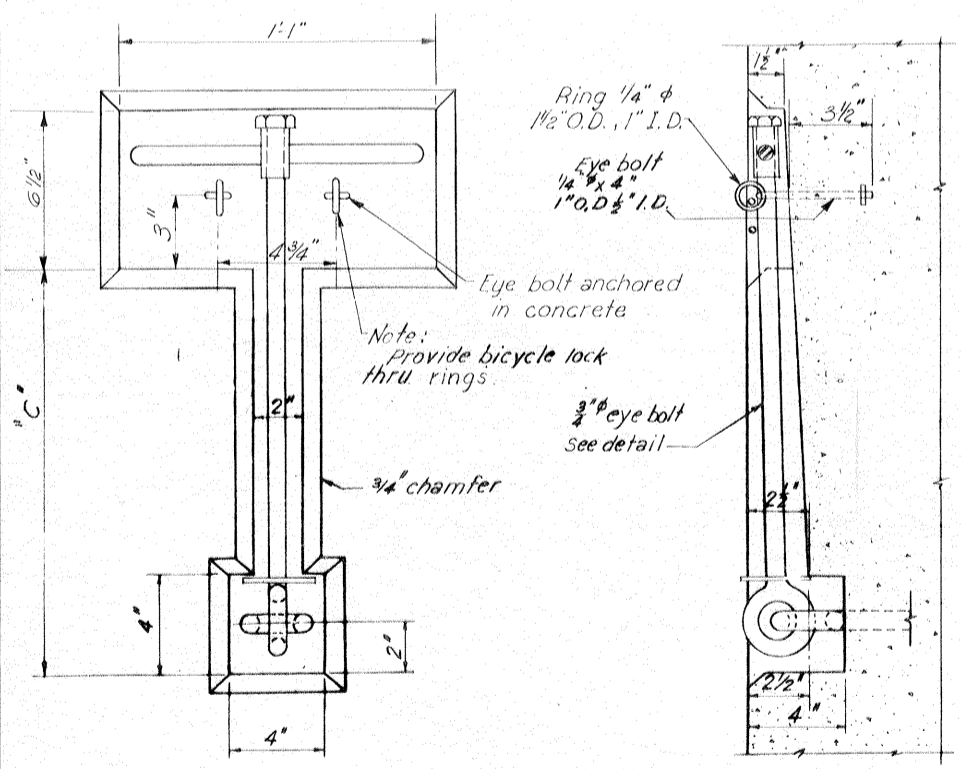
LATCHING HANDLE

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

Safety is a Part of Your Contract

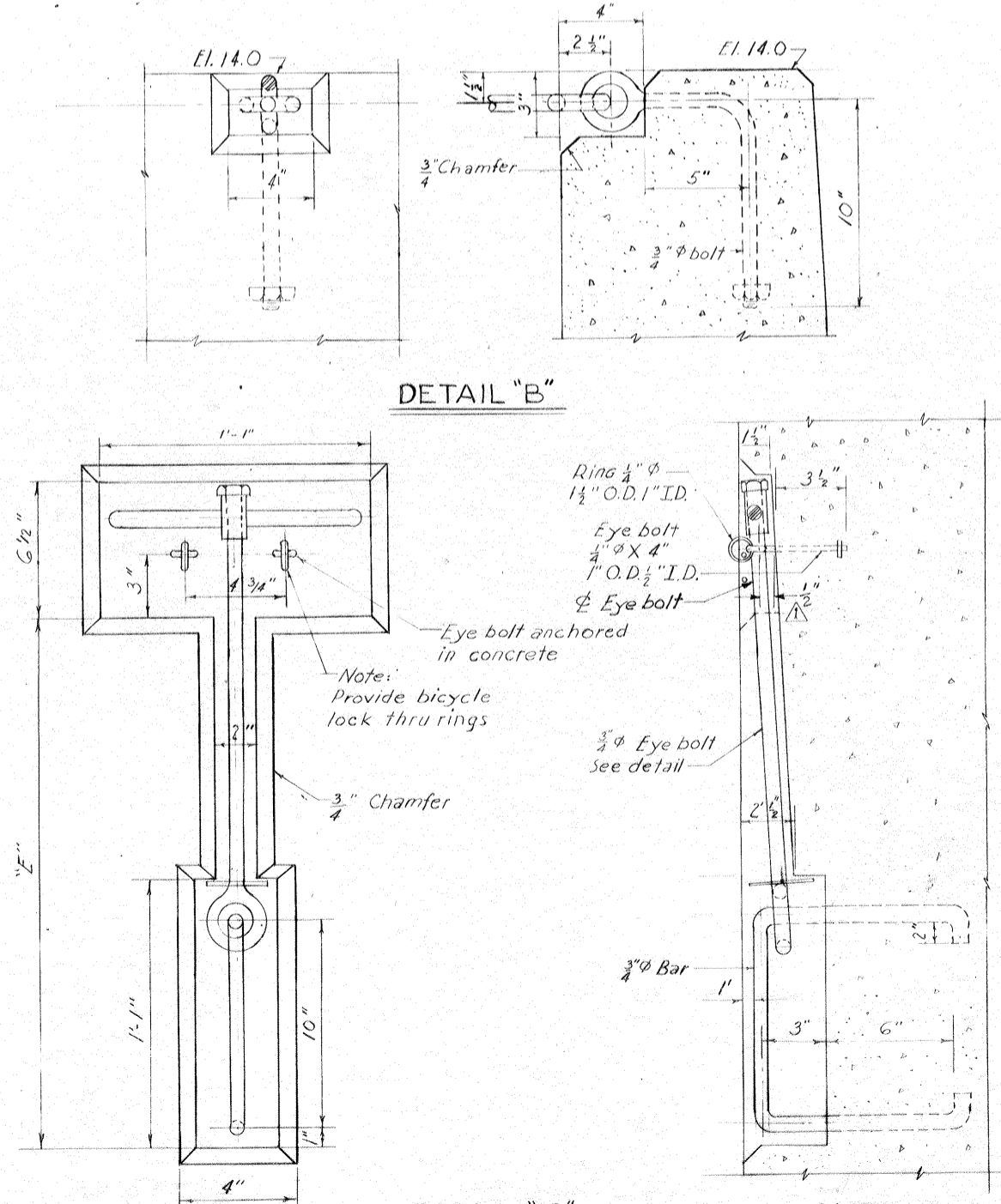
GATE NO.	"A"	"B"	"C"	"D"	"E"
1 W	9"	23'-7"	18"	22"	2'-7"
2 W	9"	20'-7"	20"	24"	2'-9"
7 W	9-3/4"	33'-7"	26"	30"	3'-3"
8 W	8-1/2"	36'-7"	26"	30"	-
9 W	9"	20'-7"	20"	24"	-

* On railroad gate this dimension should be measured above the sill.



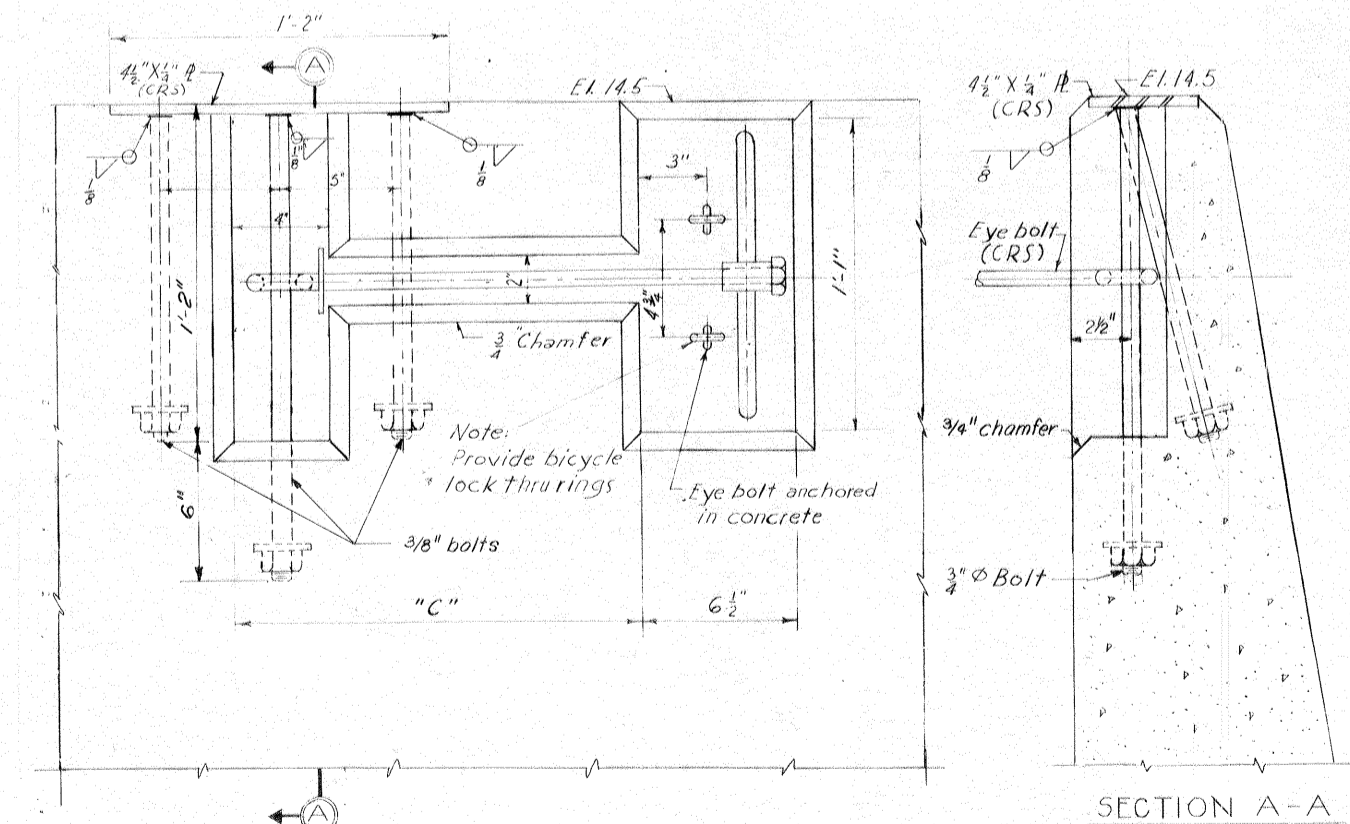
DETAIL "A"

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



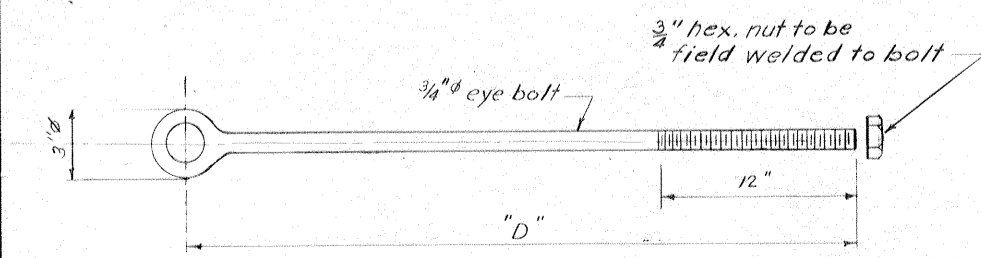
DETAIL "B"

DETAIL "C"



DETAIL "D"

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



EYE BOLT

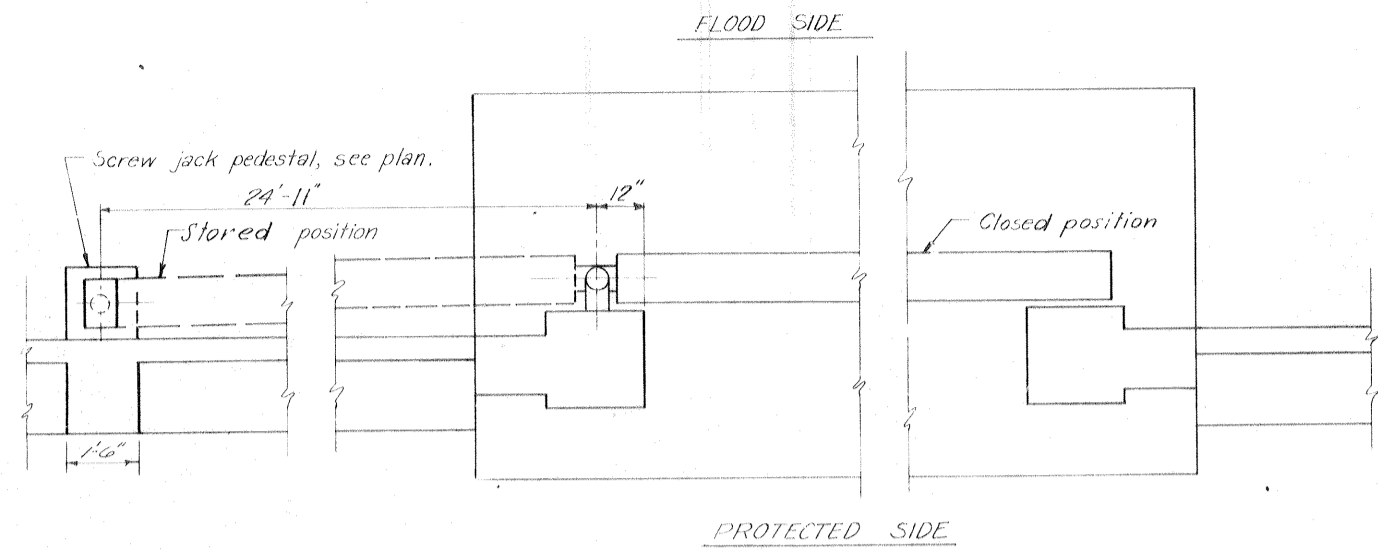
Scale: 3/4" = 1'-0"

Note: For general notes, see dwg. 2

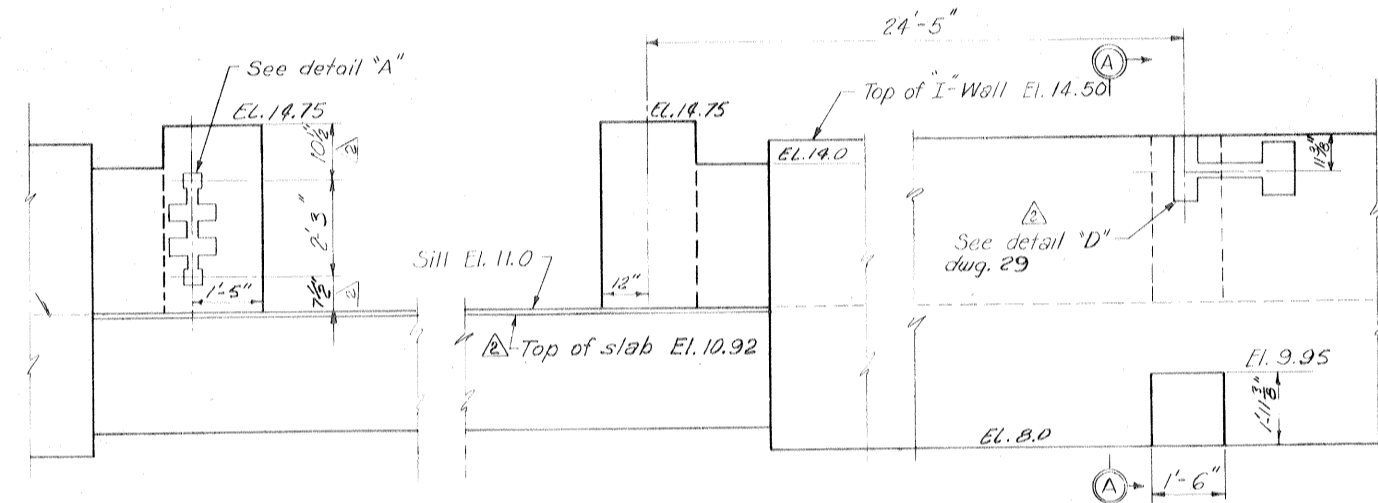
OVERHEAD ROLLER GATES-LATCHING DEVICES

AS CONSTRUCTED

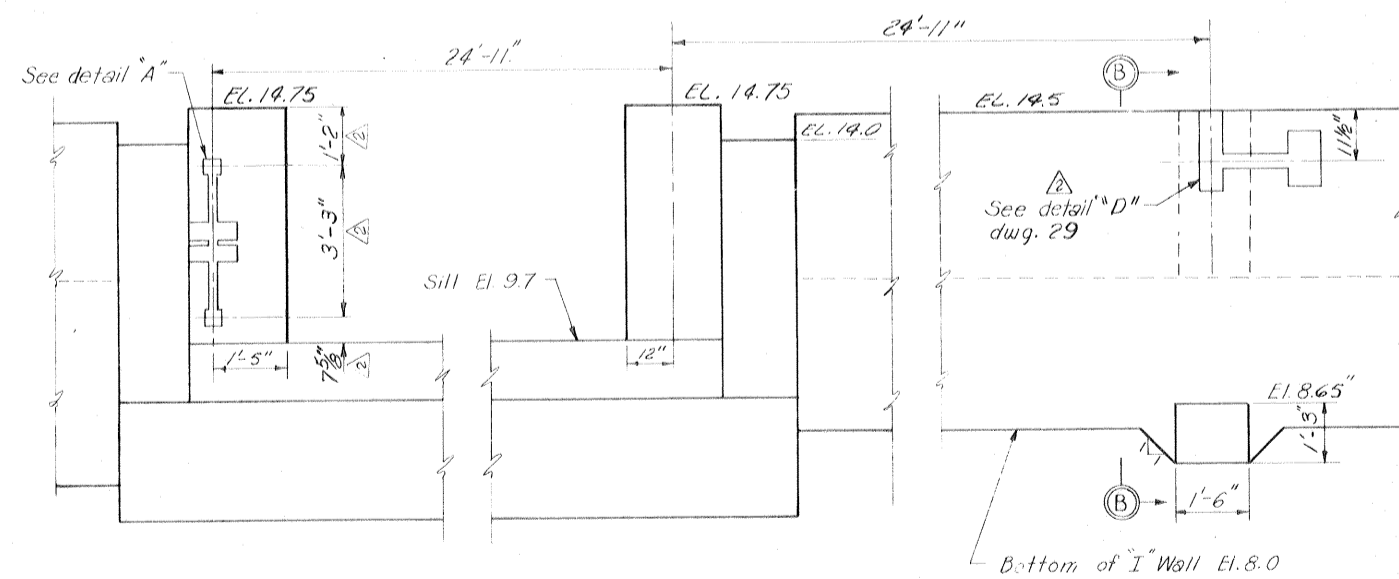
REVISION	DATE	DESCRIPTION	BY
2-2-71		Added diam. in detail "C", Mod. # 8	A.E.F.
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
T.F.P.	E.J.C.	H.L.B.	
SIZE	FILE NO.	H-4-24692	
DATE: MARCH 1970	SCALE SHOWN	SPEC. NO. DACWB-70-B-0126	DWG. NO. 29 OF 47



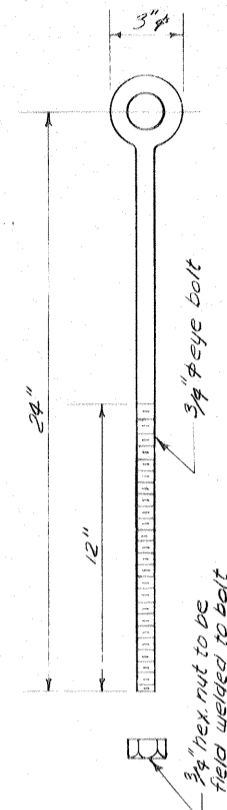
PLAN OF SWING GATES 3W, 4W, 5W AND 6W
Scale: 1/2"=1'-0"



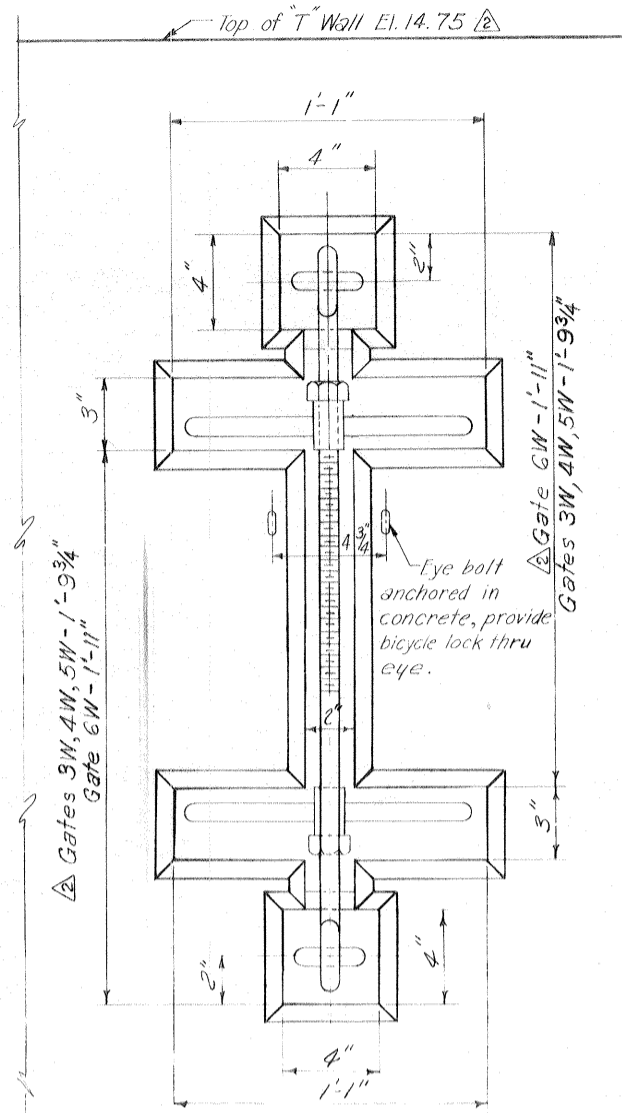
FLOOD SIDE ELEVATION SWING GATE 3W, 4W, AND 5W
Scale: 1/2"=1'-0"



FLOOD SIDE ELEVATION OF SWING GATE 6W
Scale: 1/2"=1'-0"



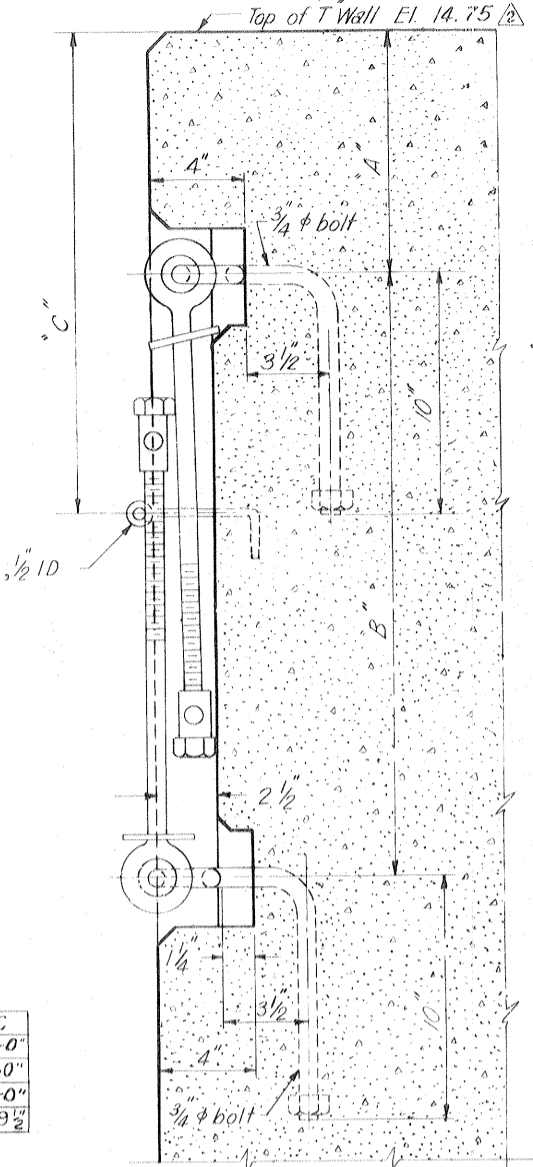
EYE BOLT
Scale: 3/4"=1'-0"



Eye bolt, 3/4" x 8, 1'0.0, 1/2" ID

GATE NO.	A	B	C
3W	10 1/2"	2'-3"	2'-0"
4W	10 1/2"	2'-3"	2'-0"
5W	10 1/2"	2'-3"	2'-0"
6W	1'-2"	3'-3"	2'-9 1/2"

TIE DOWN TO I-WALL
DETAIL "A"
Scale: 3/4"=1'-0"



SCREW JACK PEDESTAL PLAN
Scale: 3/4"=1'-0"

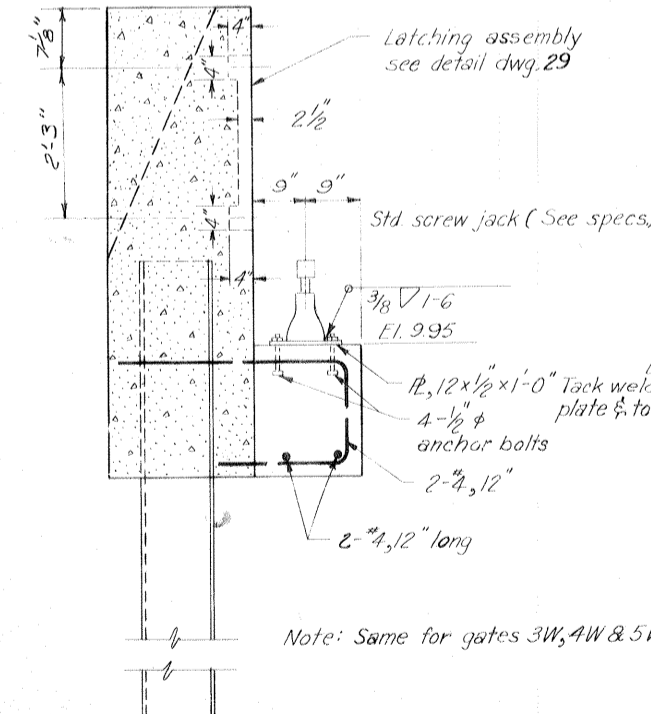
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PROTECTED SIDE

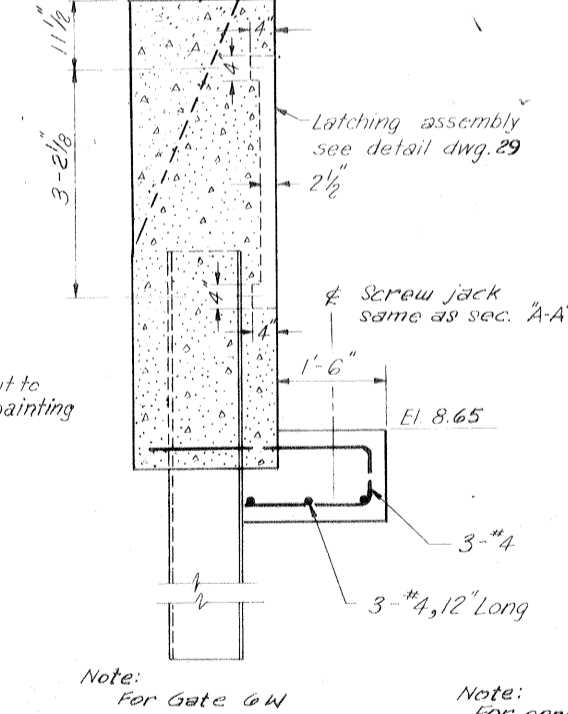
FLOOD SIDE

PROTECTED SIDE

FLOOD SIDE



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



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

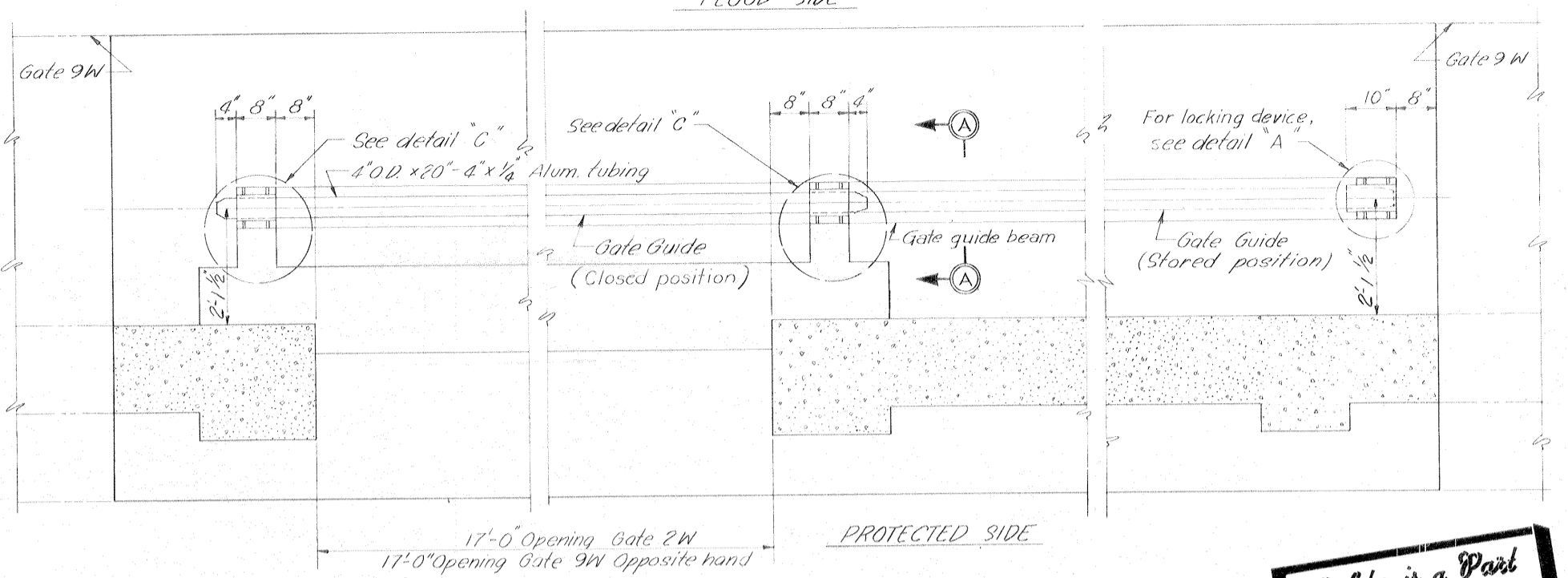
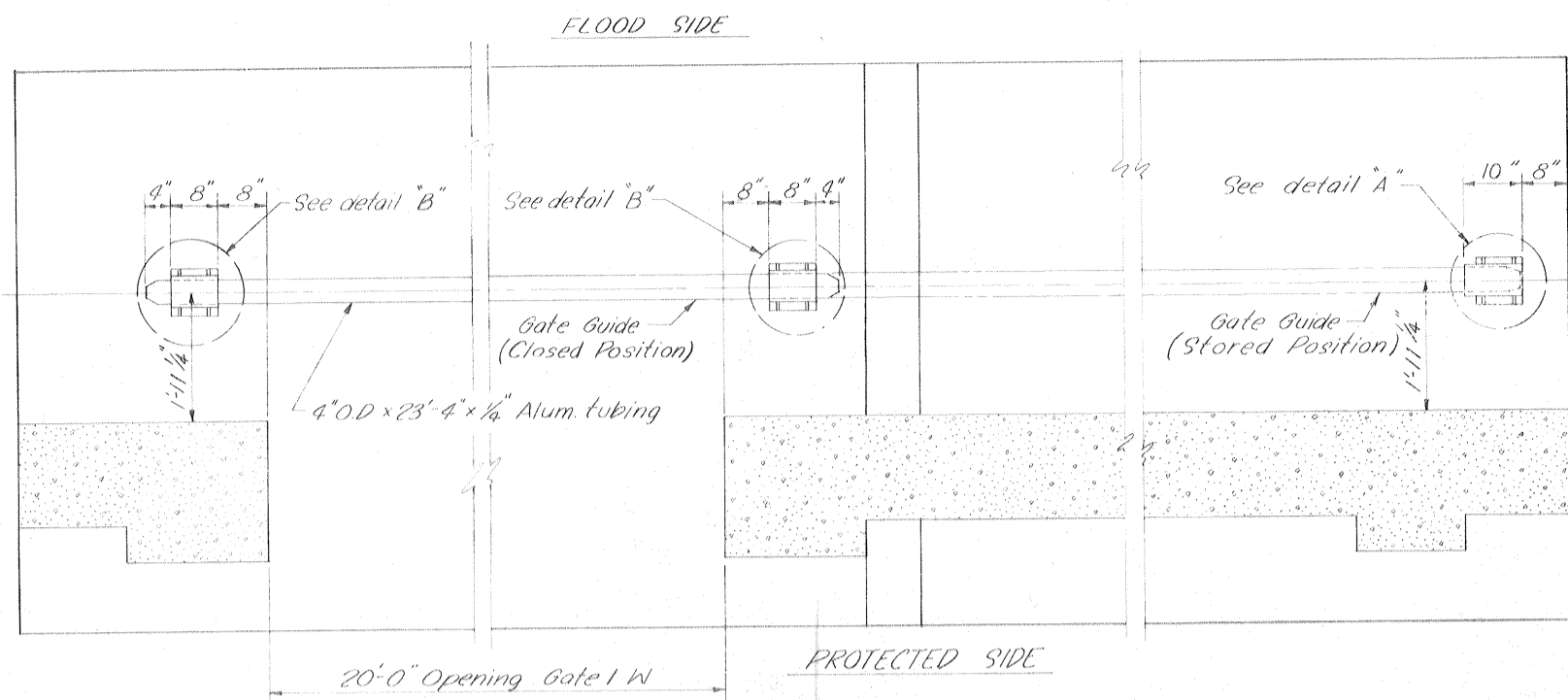
Note: For general notes, see dwg. 2.
All holes cut in steel sheet piling for reinf. shall not exceed 2" φ

REVISION	DATE	DESCRIPTION	BY
2	2-2-71	General revisions, Mod # 8	A.T.F.
1	3-24-70	Added note to Section A-A, Amend # 1	A.T.F.
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
T.F.P.	J.E.B.	H.L.B.	
FILE NO.	H-4-24692		
DATE	MARCH 1970	SCALE	SHOWN
SPEC. NO.	DACW29-70-8-0126	DWG. NO.	30 OF 47

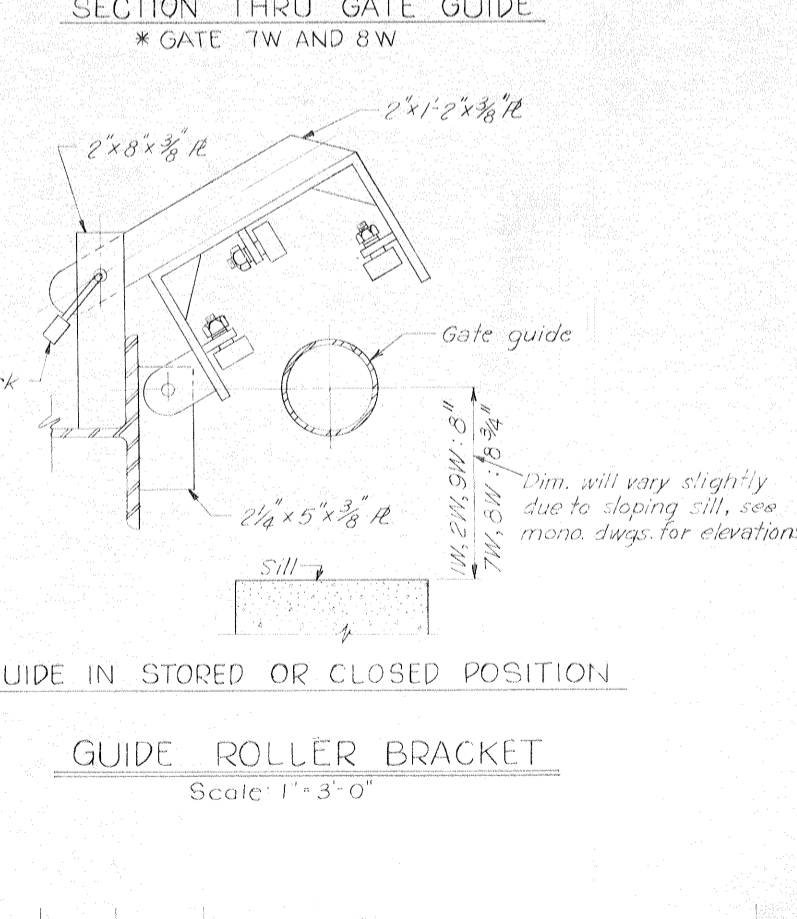
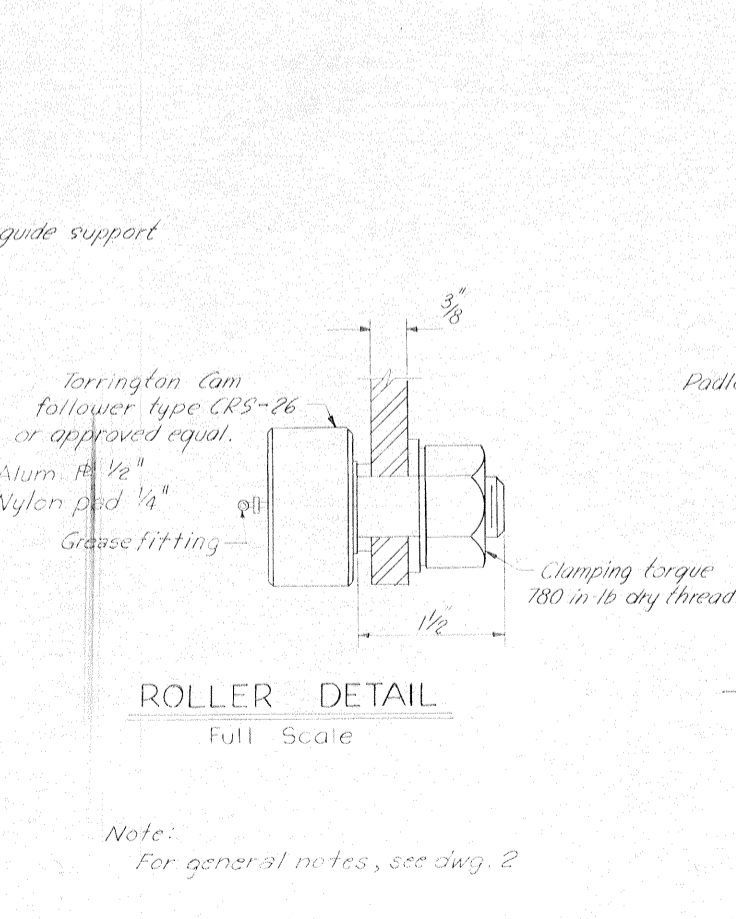
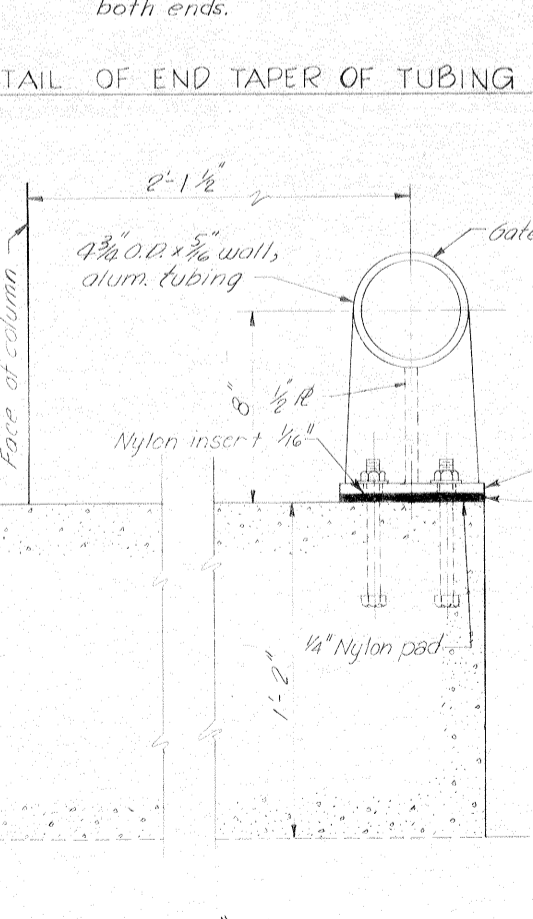
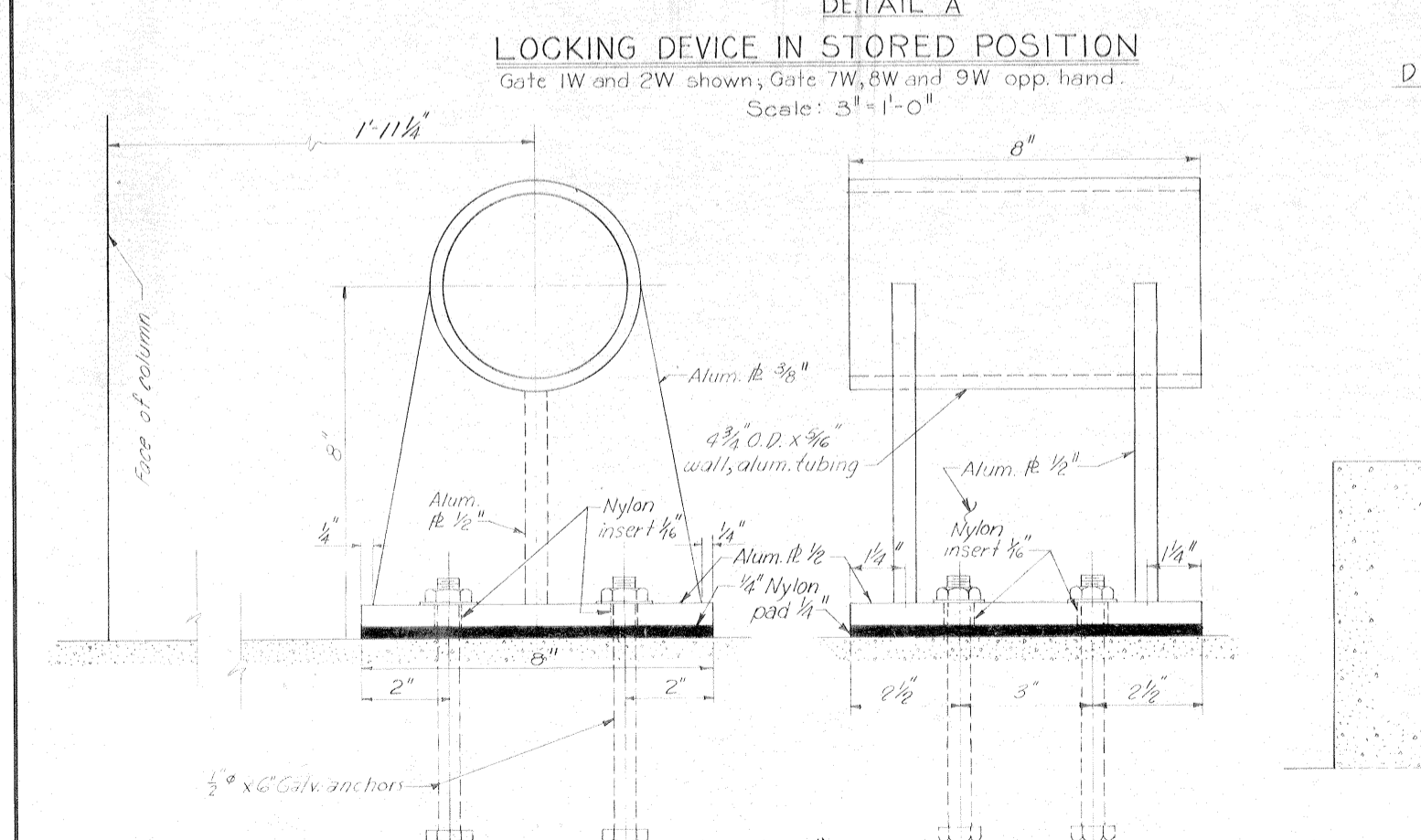
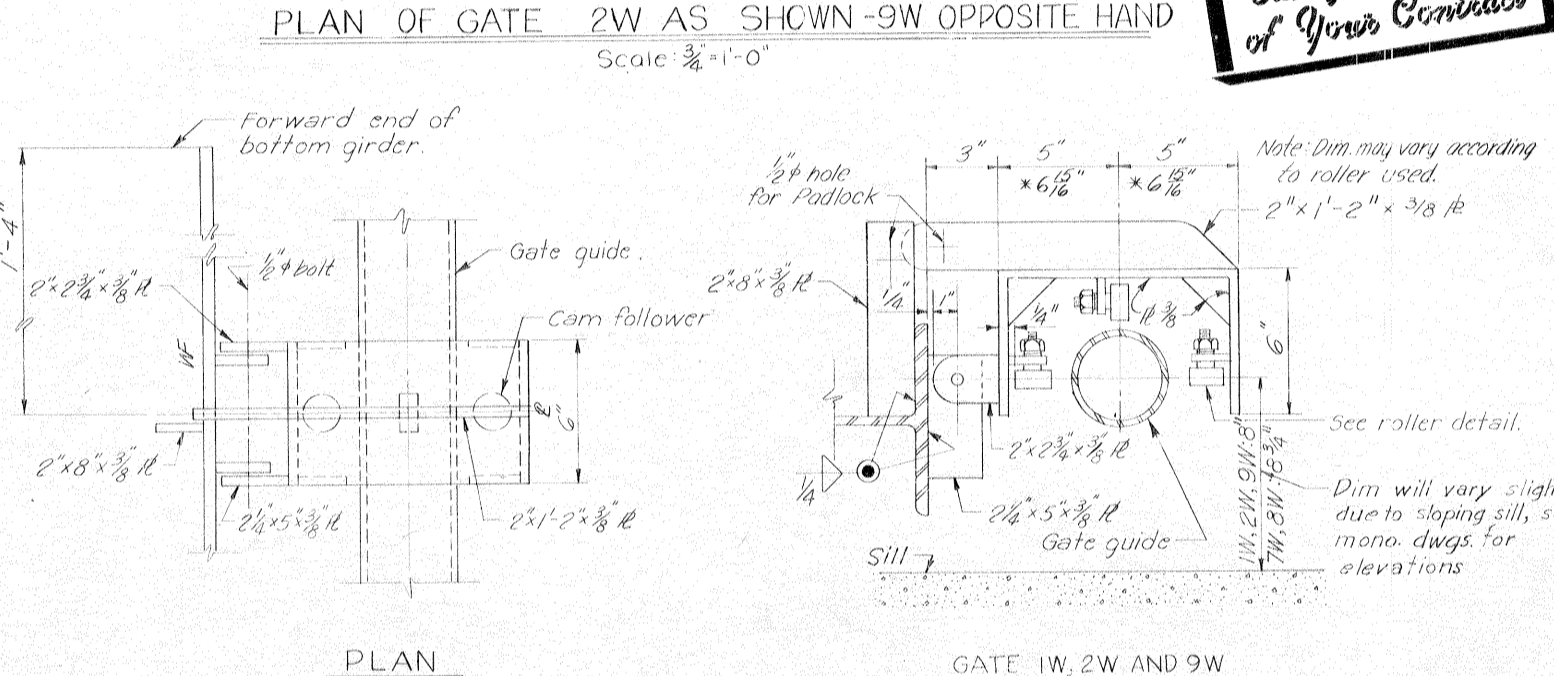
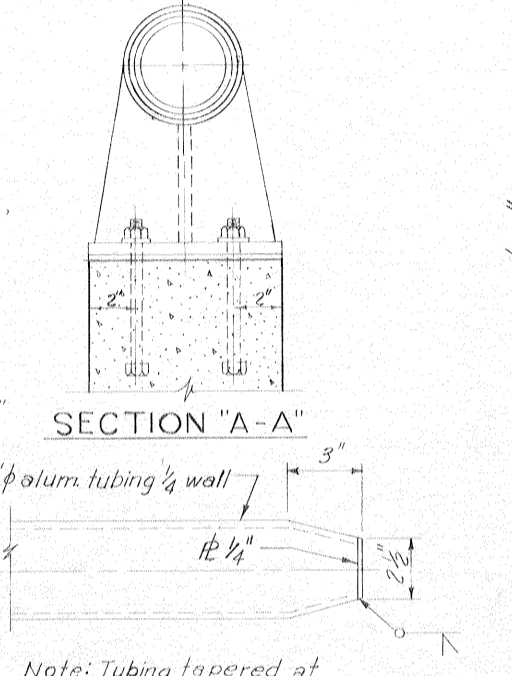
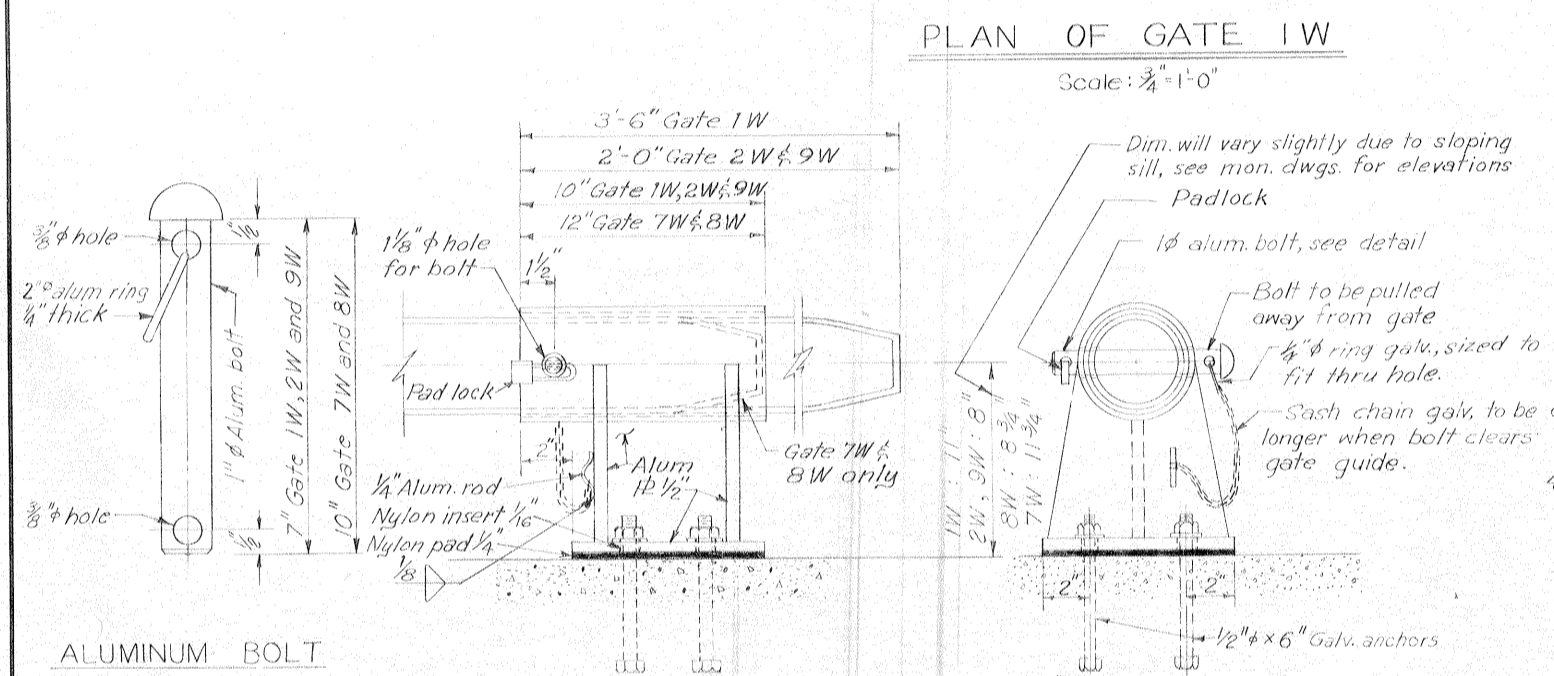
SWING GATES-LATCHING DEVICES

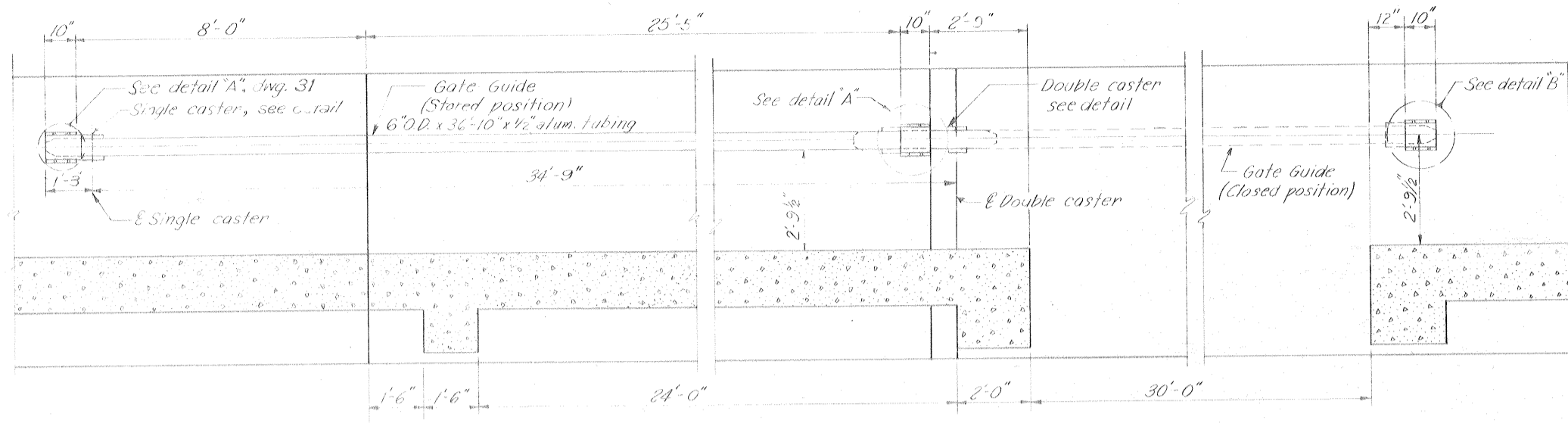
AS CONSTRUCTED

IHNC, WEST LEVEE - U.S. HWY. 90 TO ALMONASTER AVE

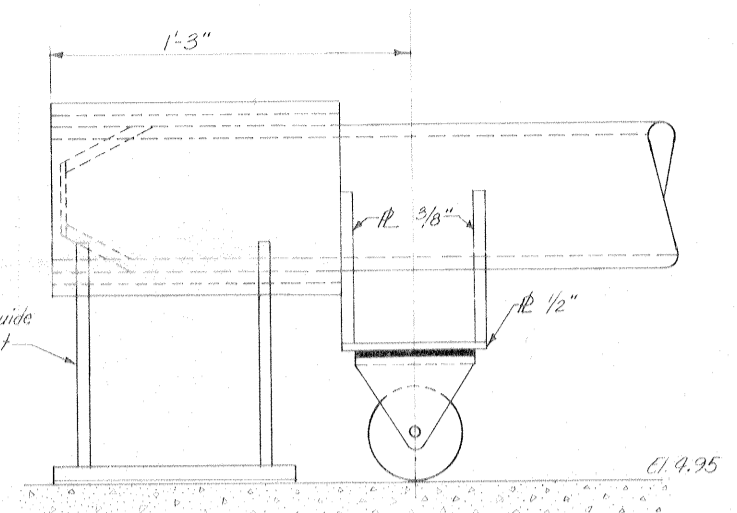


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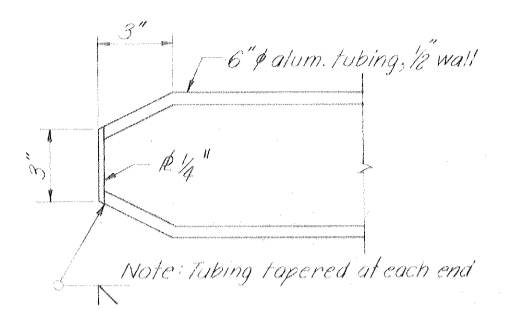




PLAN OF GATE 7W
Scale: 1/2"=1'-0"

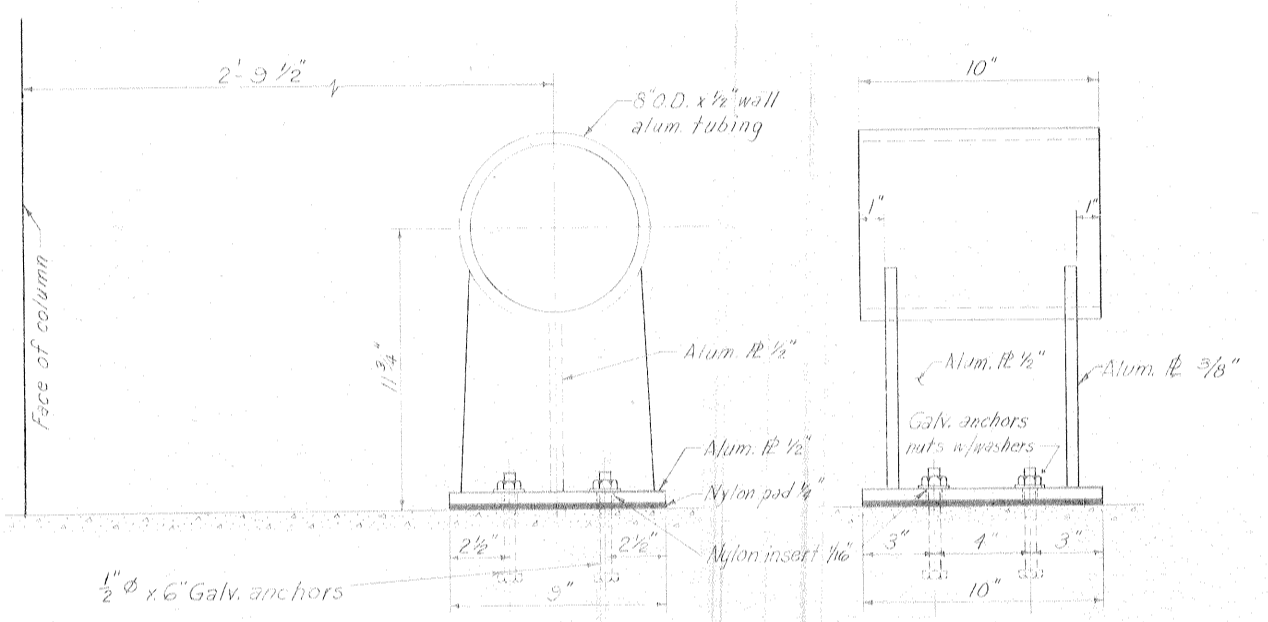


STORED POSITION
SINGLE CASTER
Scale: 3"=1'-0"

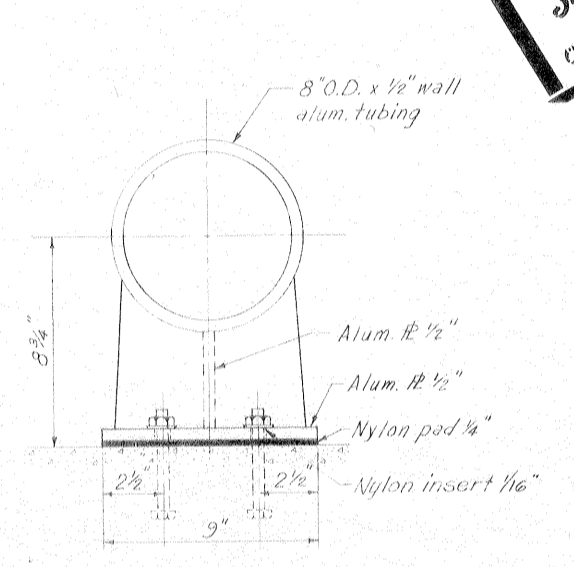


DETAIL OF END TAPER TUBING
Scale: 3"=1'-0"

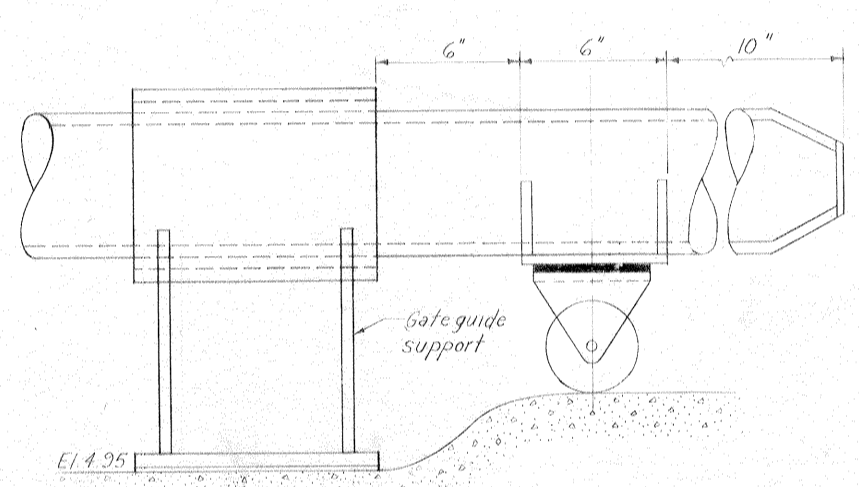
Safety is a Part of Your Contract



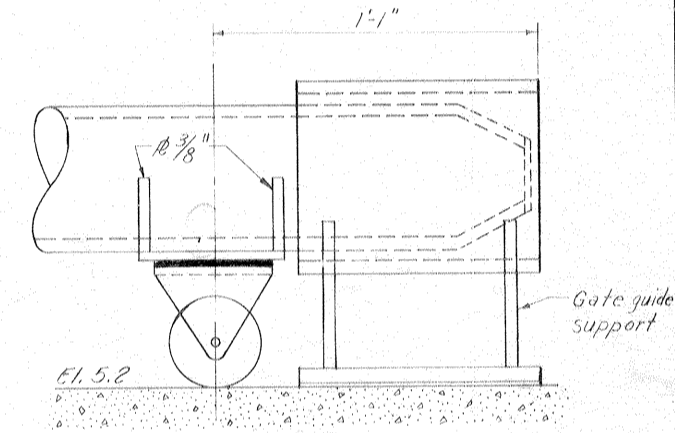
DETAIL "A"
Scale: 3"=1'-0"



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

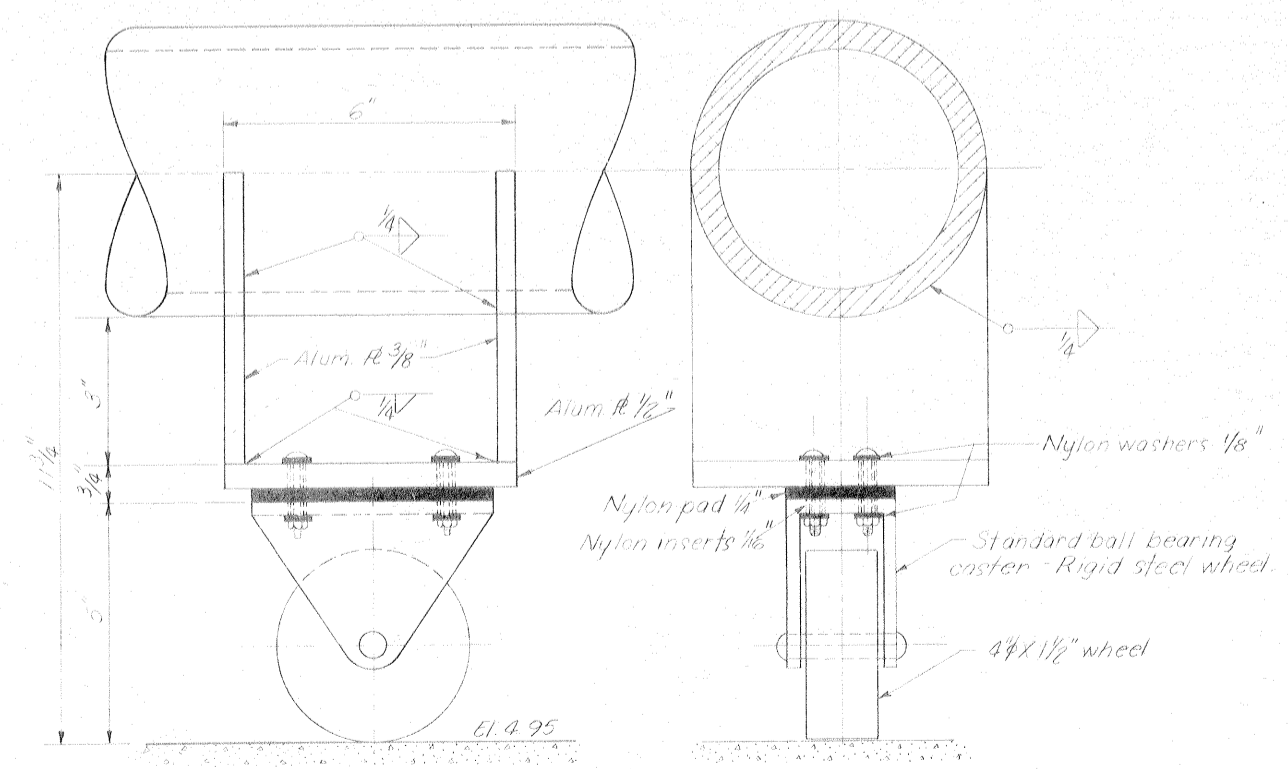


STORED POSITION

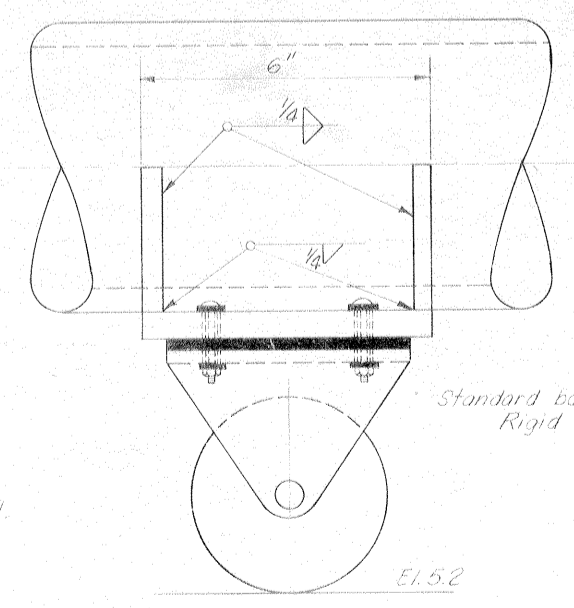


CLOSED POSITION

DOUBLE CASTER
Scale: 3"=1'-0"



SINGLE CASTER
Scale: 6"=1'-0"



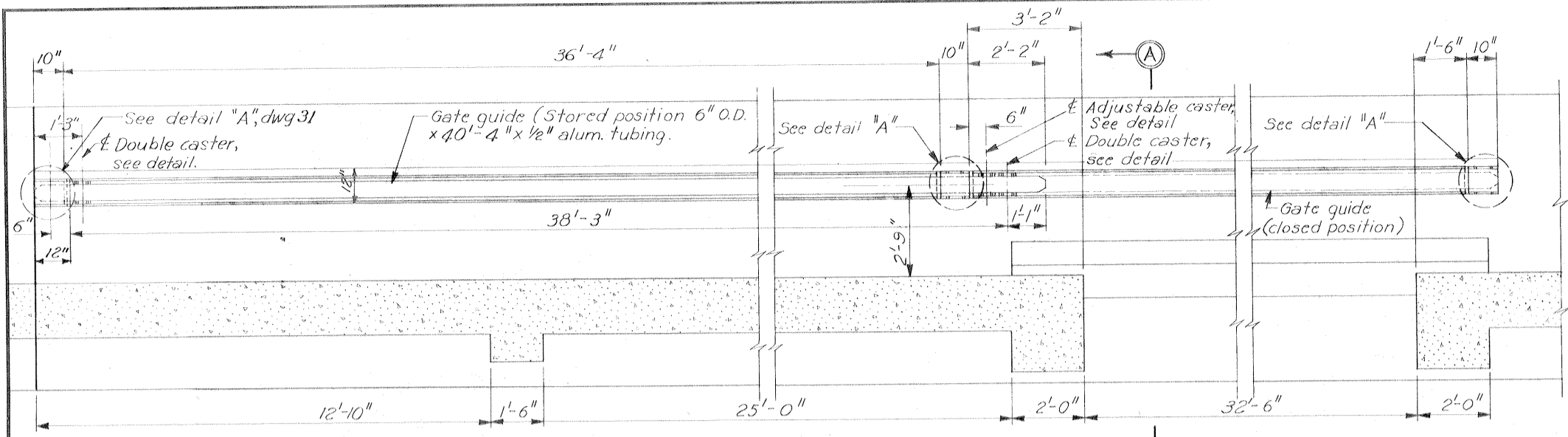
DOUBLE CASTER
Scale: 6"=1'-0"

Note: For general notes, see dwg. 2.
For guide roller and roller bracket, see dwg. 31.
For locking device in stored position see detail "A" dwg. 31.

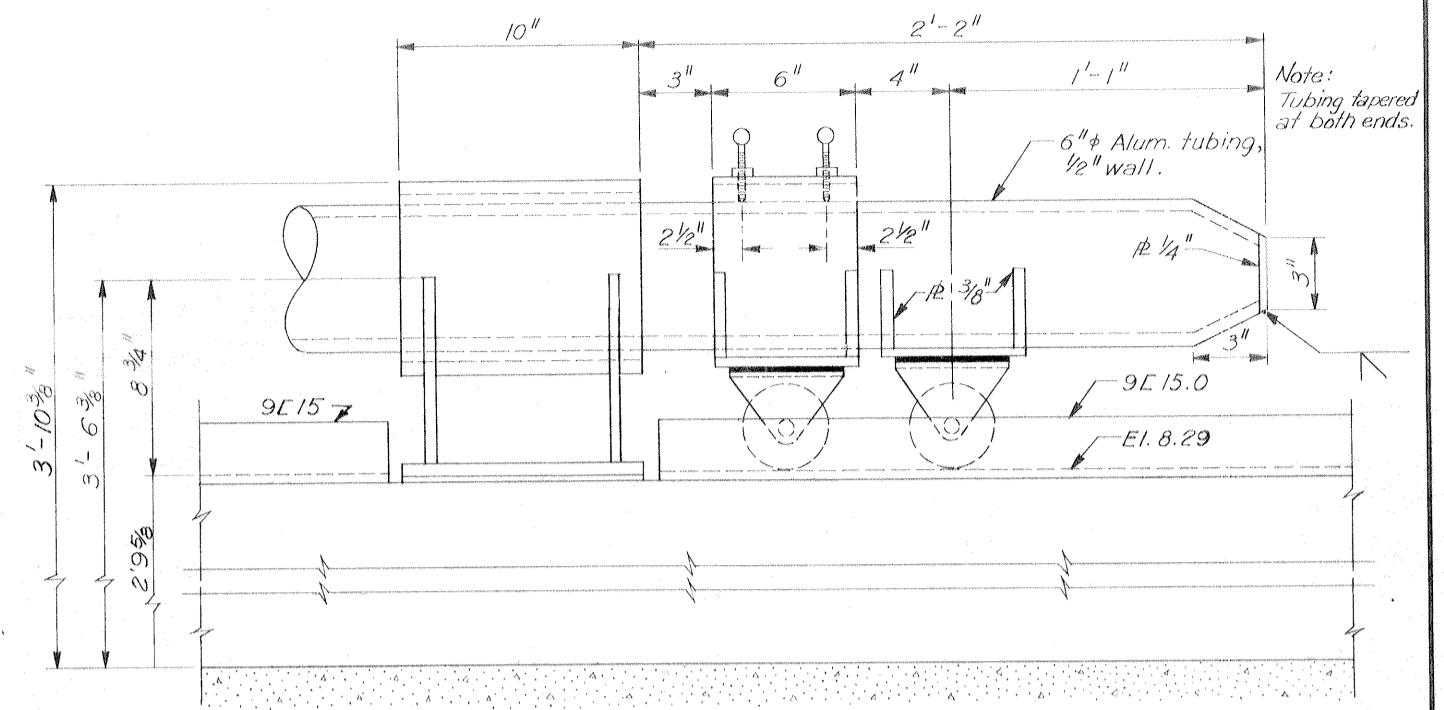
GATE GUIDE - GATE 7W
AS CONSTRUCTED

REVISION	DATE	CHECKED	CODE IDENT NO.	SIZE	FILE NO.	DESCRIPTION	BY
DESIGNED	DRAWN	J.E.B.	H.L.B.				
D.A.M.	J.E.B.	H.L.B.					
						H-4-24692	
DATE: MARCH 1970						SCALE: SHOWN SPEC. NO. DACW29-70-B-0126 DWG. NO. 32 OF 47	

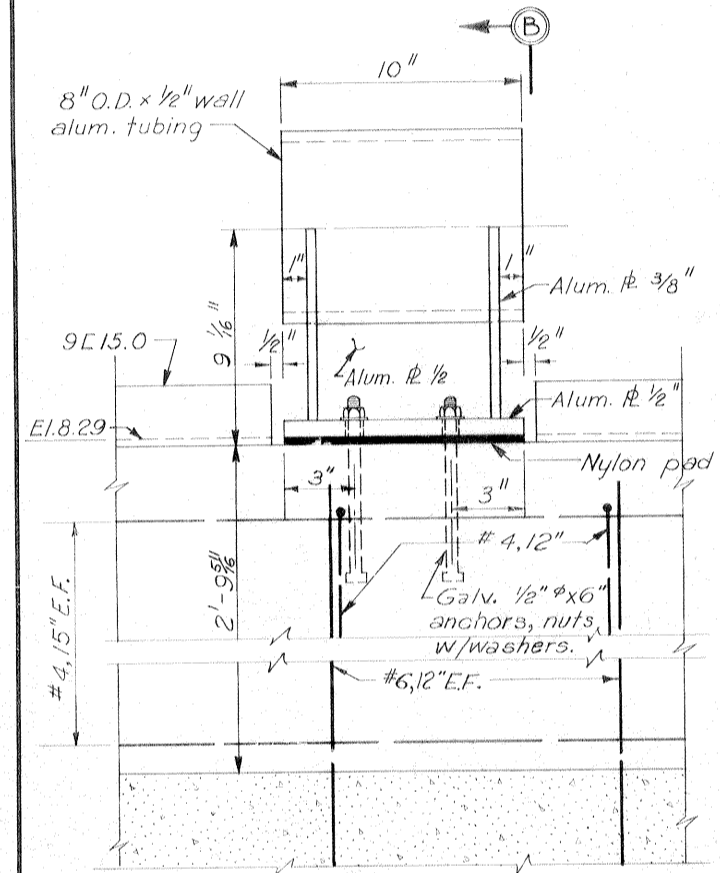
IHNC, WEST LEVEE - U.S. HWY. 90 TO ALMONASTER AVE.



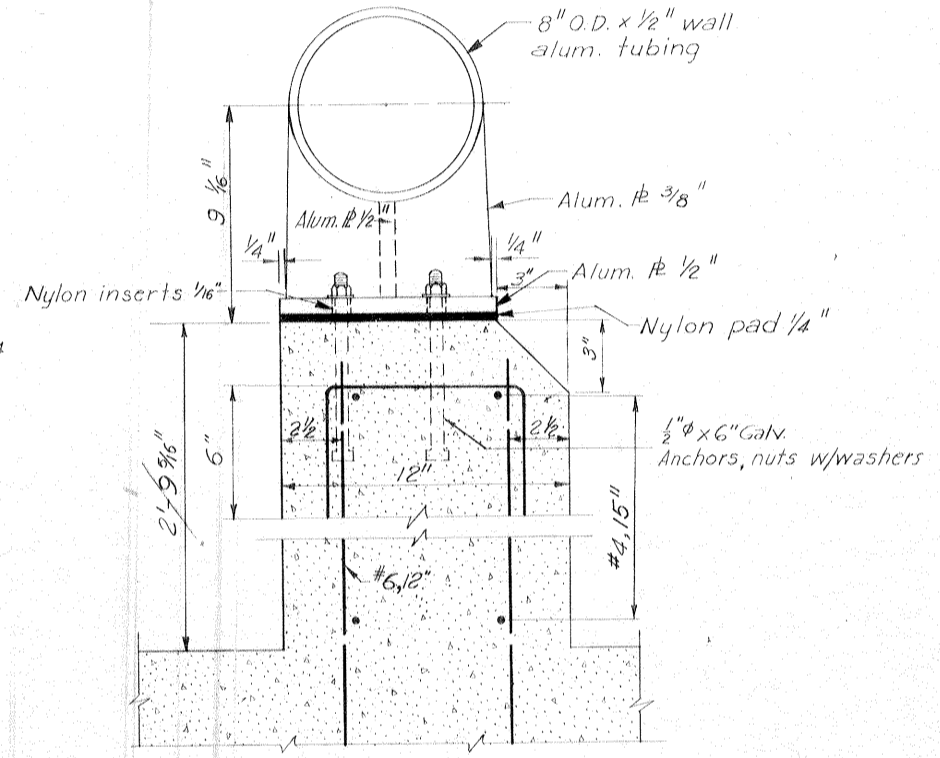
PLAN OF GATE 8W
Scale: 1/2" = 1'-0"



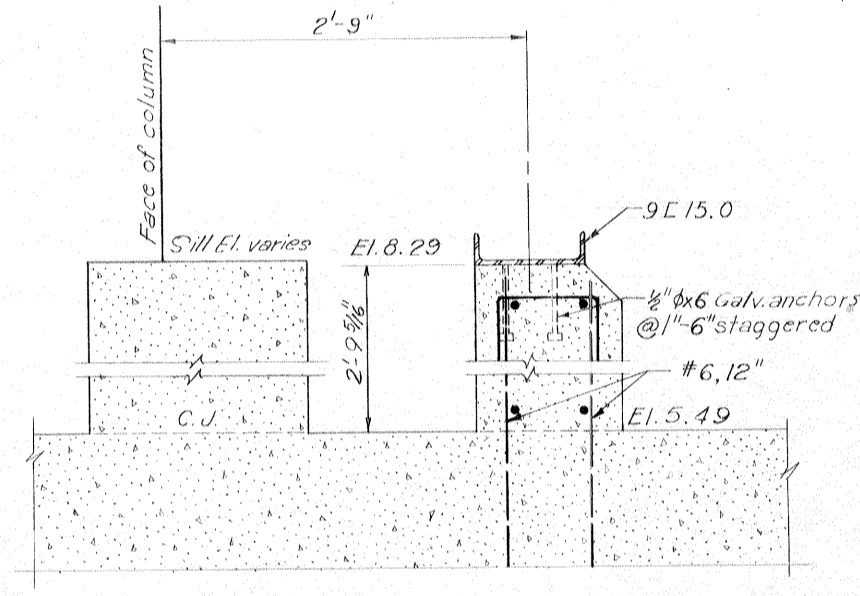
ADJUSTABLE DOUBLE CASTER
Scale: 3" = 1'-0"



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

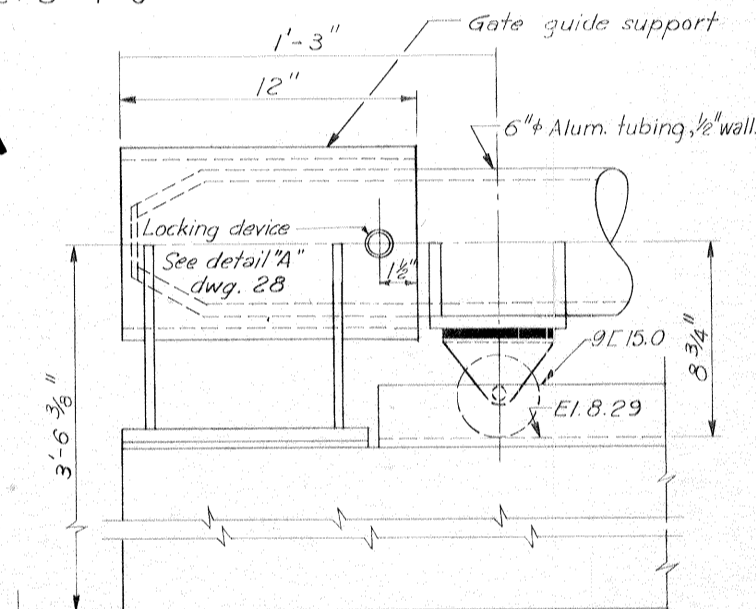


SECTION B-B

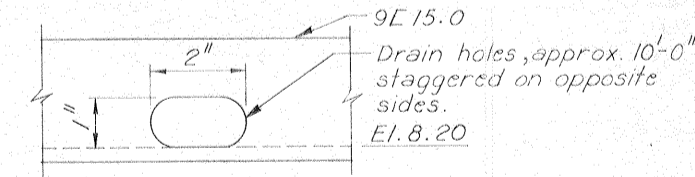


SECTION A-A
Scale: 1/2" = 1'-0"

Safety is a Part of Your Contract

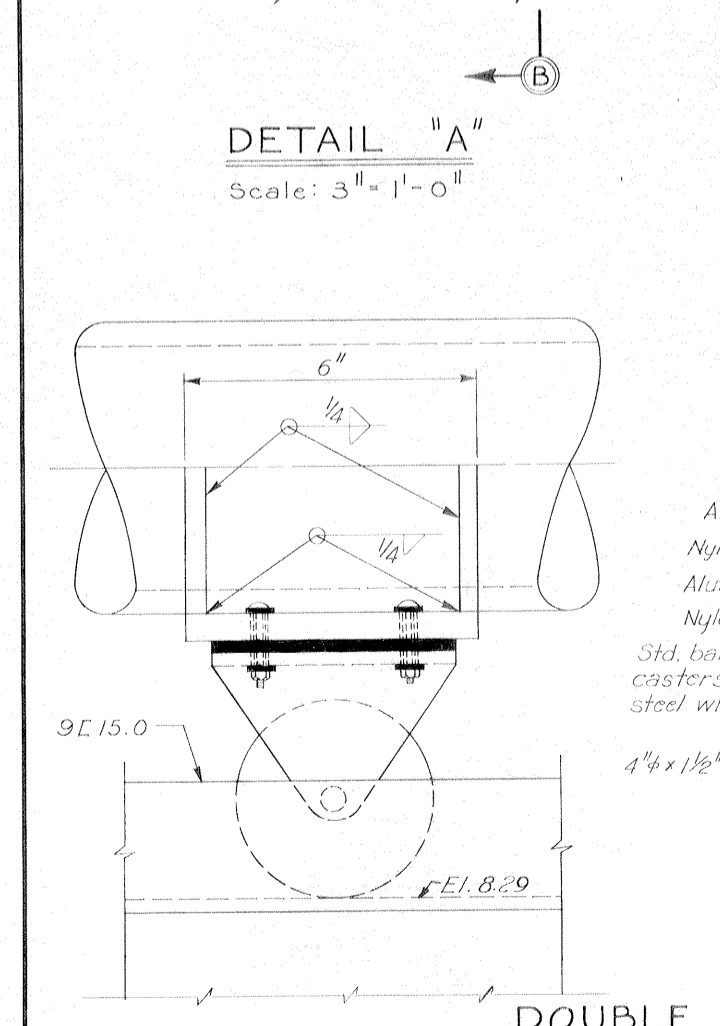


DOUBLE CASTER
Scale: 3" = 1'-0"

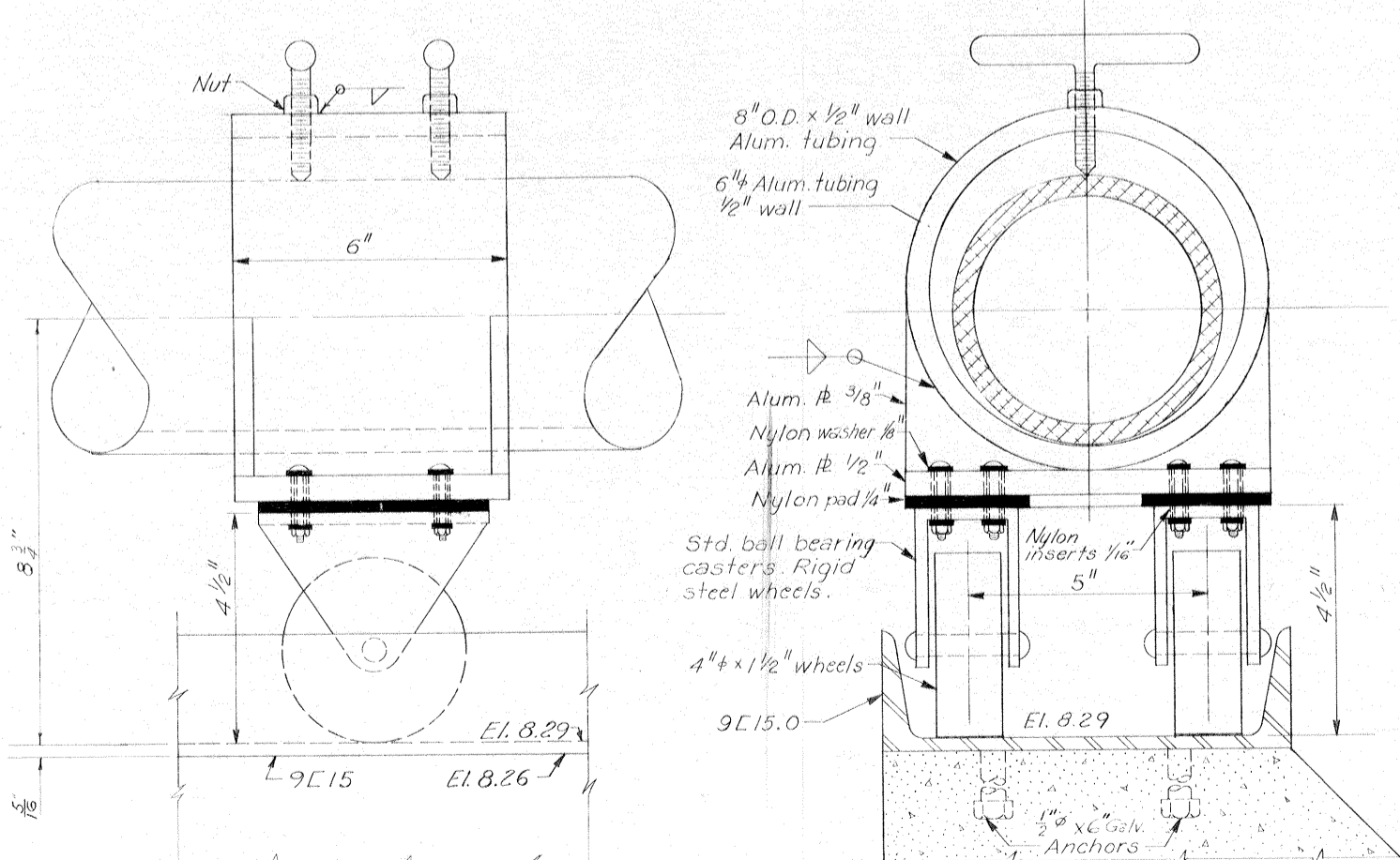


DRAIN DETAIL
Scale: 6" = 1'-0"

Note:
For general notes, see dwg. 2
For guide roller and guide roller bracket, see dwg. 31.
For locking device in stored position, see detail "A" dwg. 31.



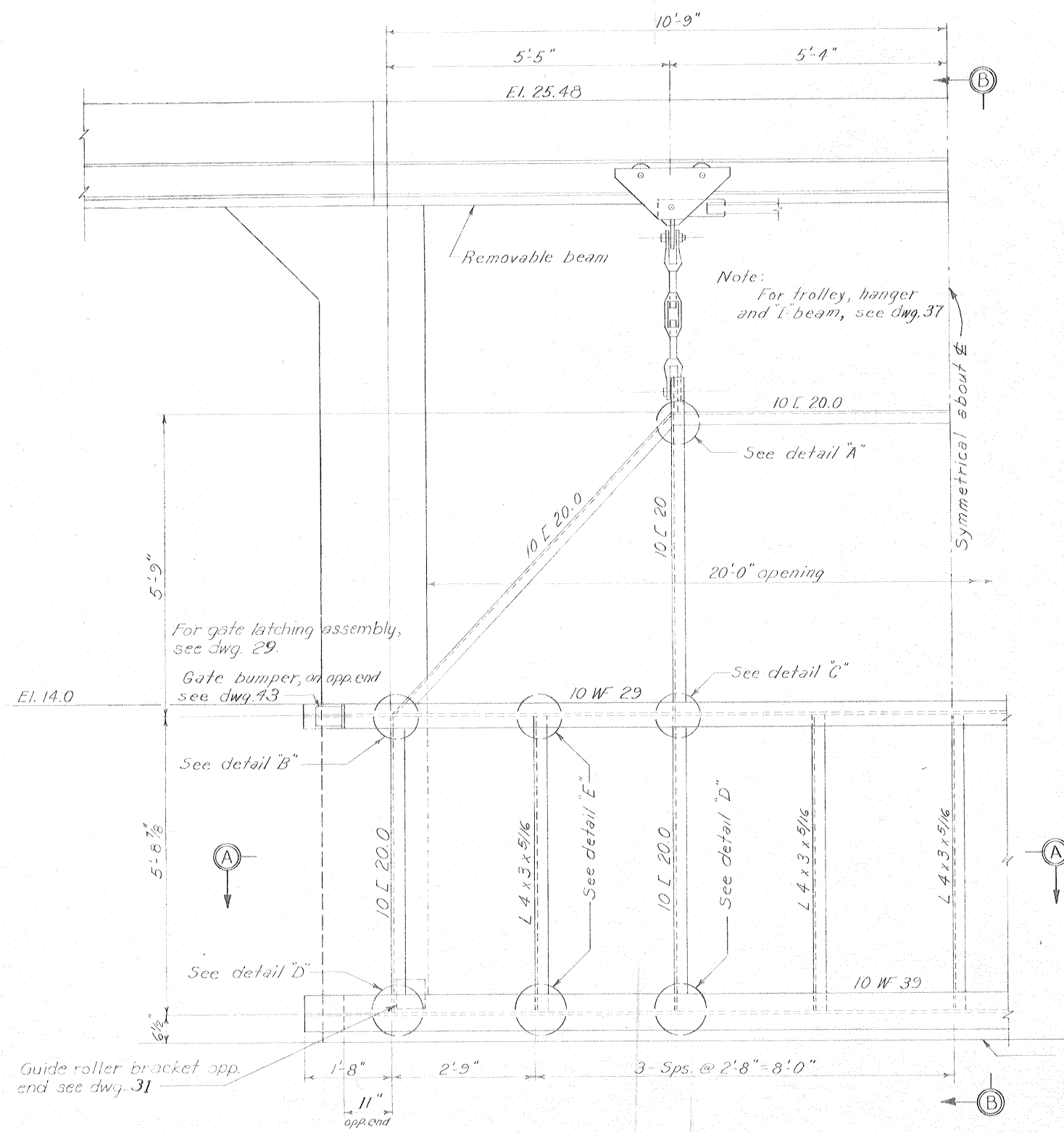
DOUBLE CASTER
Scale: 6" = 1'-0"



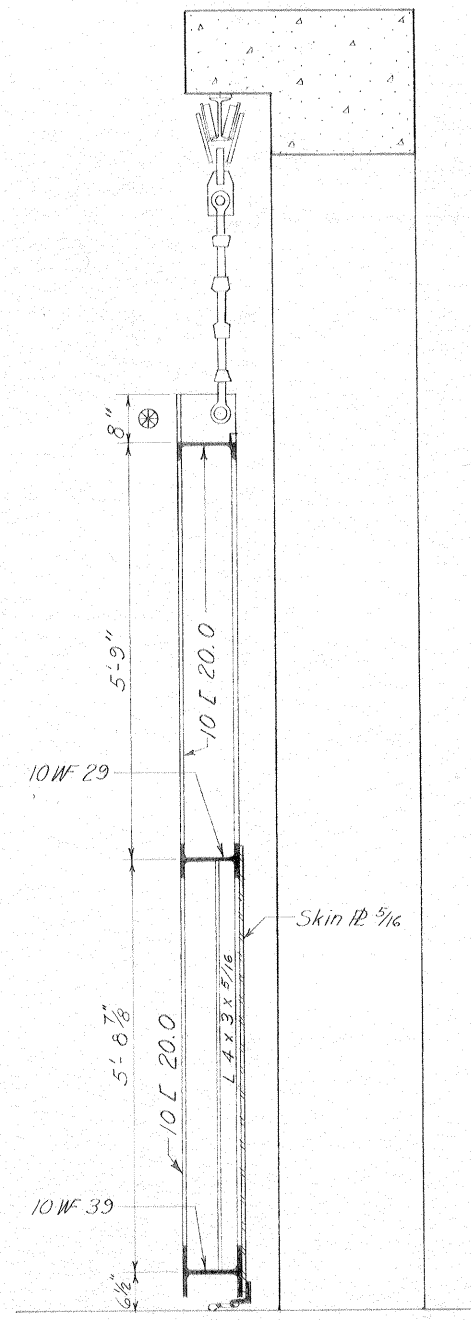
ADJUSTABLE DOUBLE CASTER
Scale: 6" = 1'-0"

GATE GUIDE - GATE 8W
AS CONSTRUCTED

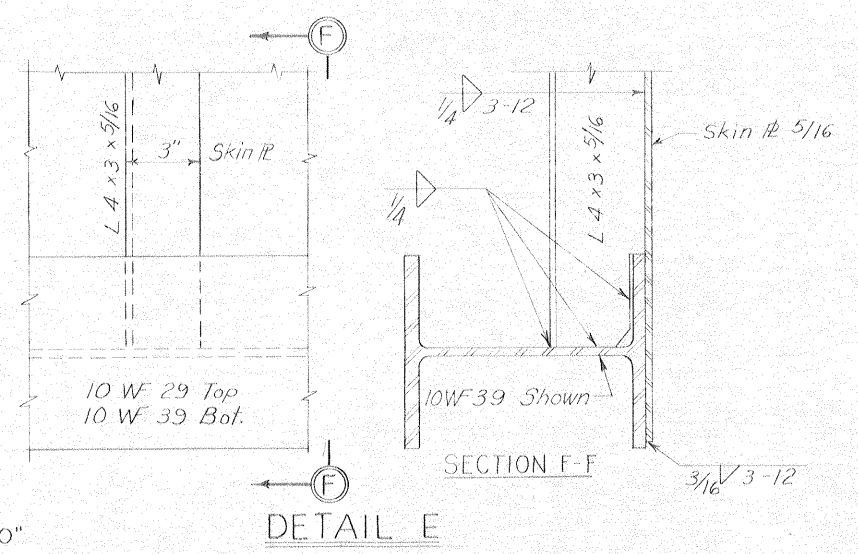
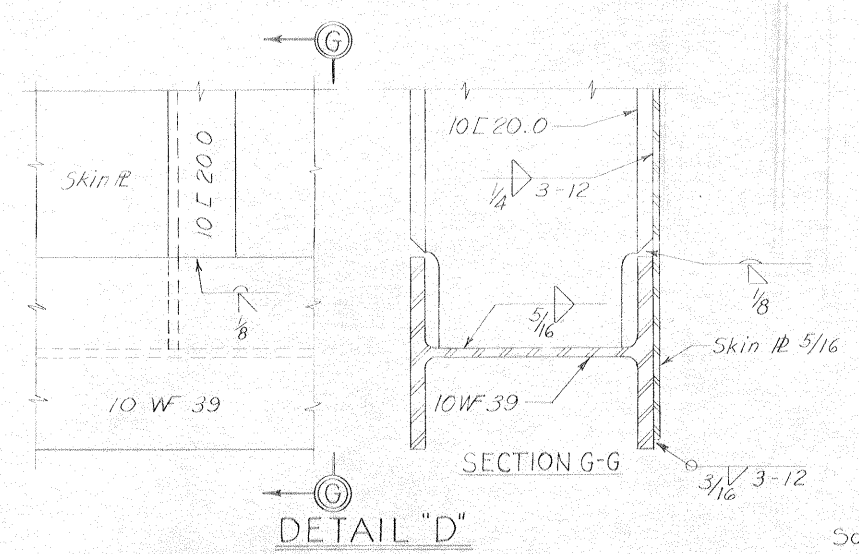
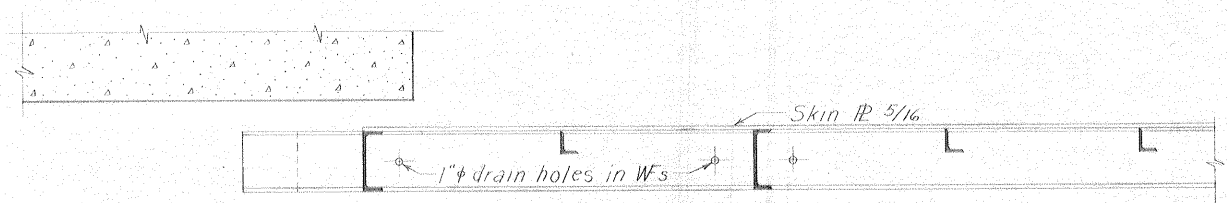
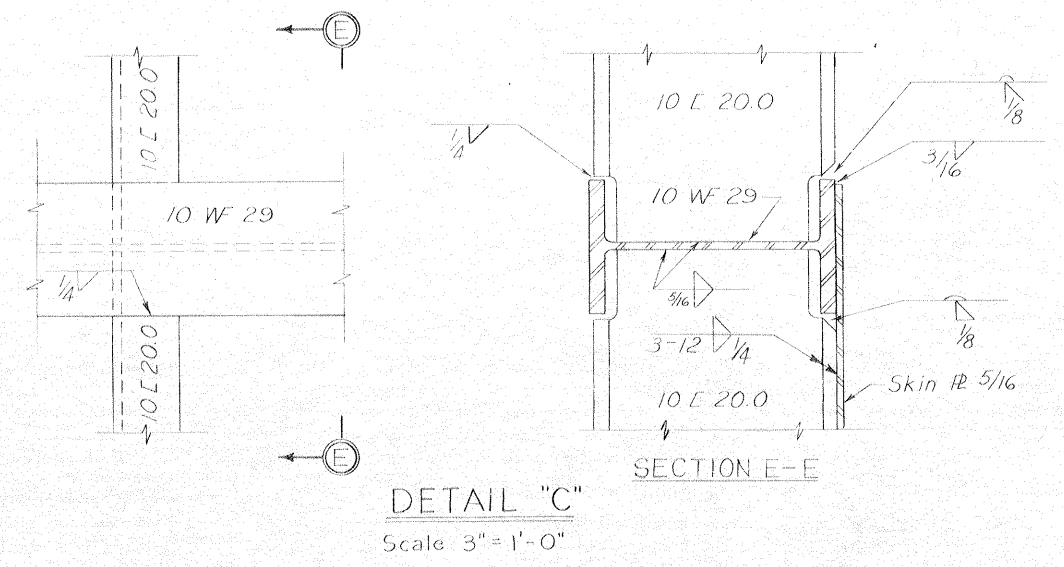
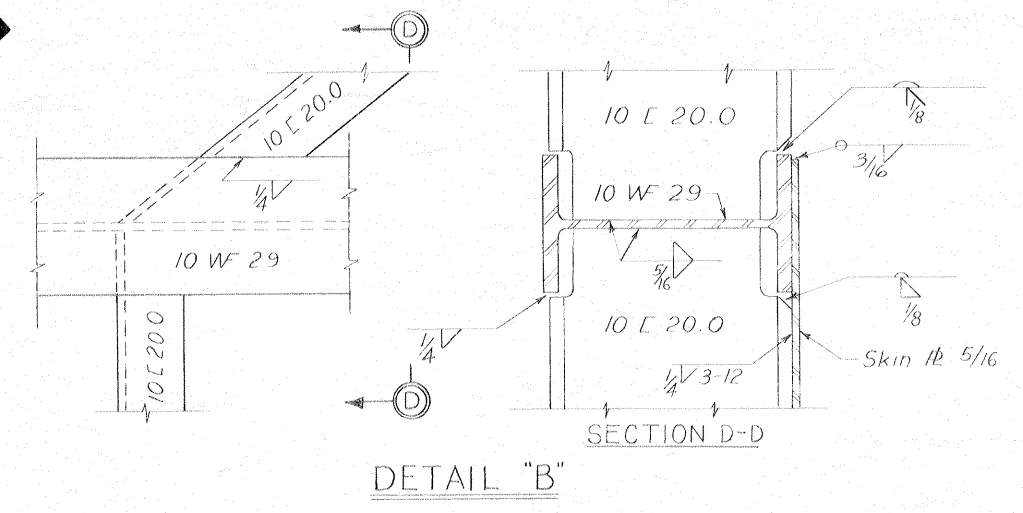
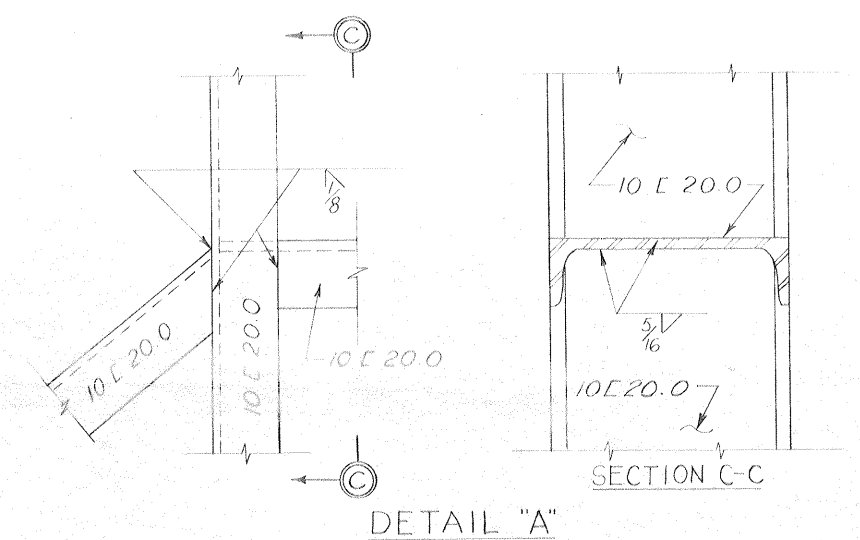
REVISION	DATE	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY						
DESIGNED:	H.L.B.	DRAWN:	J.J.P.	CHECKED:	D.A.M.							
H-4-24692												
DATE MARCH 1970 SCALE SHOWN SPEC. NO. DACW29-70-B-0126 DWG. NO. 33 OF 47												



FLOOD SIDE ELEVATION



SECTION B-B

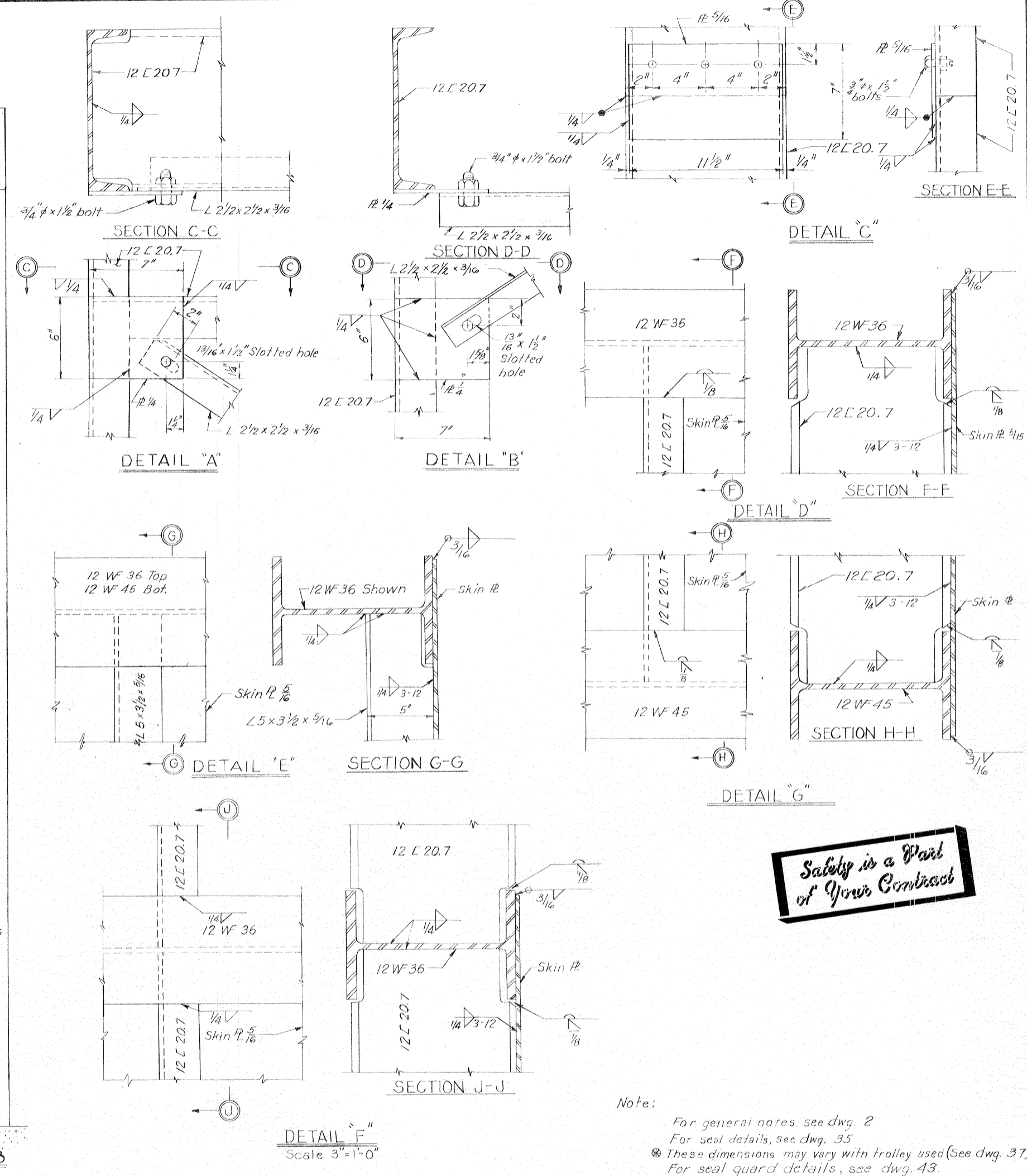
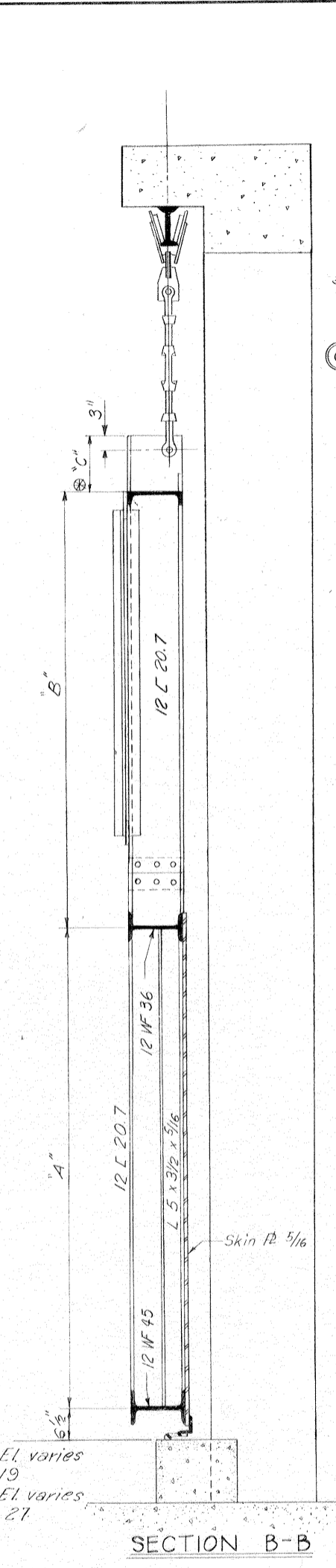
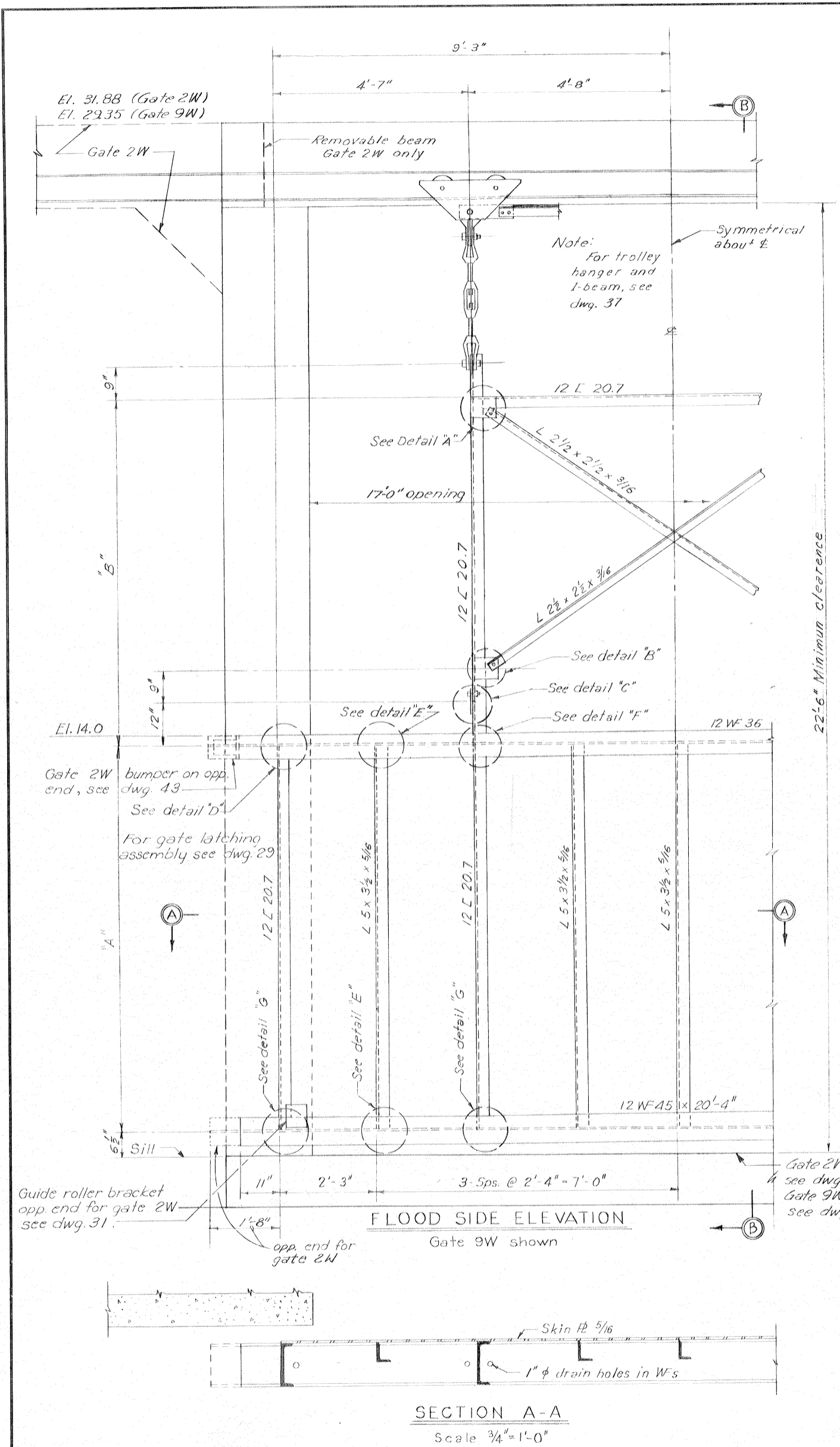


Safety is a Part of Your Contract

Note:
For general notes, see dwg. 2.
For seal guard details, see dwg. 43.
⊗ This dimension subject to variation with trolley used. (See dwg. 37).
For seal details, see dwg. 38.

OVERHEAD ROLLER GATE-GATE IW
AS CONSTRUCTED

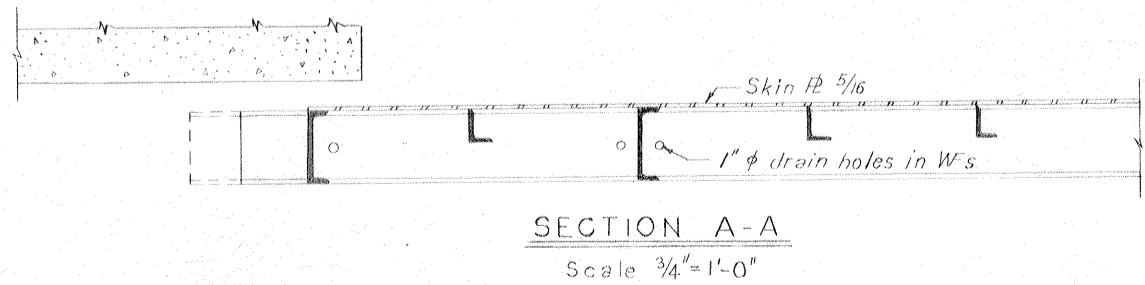
REVISION	DATE	DESCRIPTION	BY
DESIGNED: T.F.P.	DRAWN: G.P.M.	CHECKED: H.L.B.	FILE NO. H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-B-0126 DWG. NO. 34 OF 47



Safety is a Part of Your Contract

Note:
 For general notes, see dwg. 2
 For seal details, see dwg. 35
 * These dimensions may vary with trolley used (See dwg. 37)
 For seal guard details, see dwg. 43

GATE SCHEDULE					
GATE NO.	SILL EL.	VERT. CL.	"A"	"B"	"C"
2W	See dwg. 16	22'-6"	5'-3 3/8"	12'-1/4"	9"
9W	See dwg. 24	22'-6"	8'-4"	8'-4 1/8"	9"

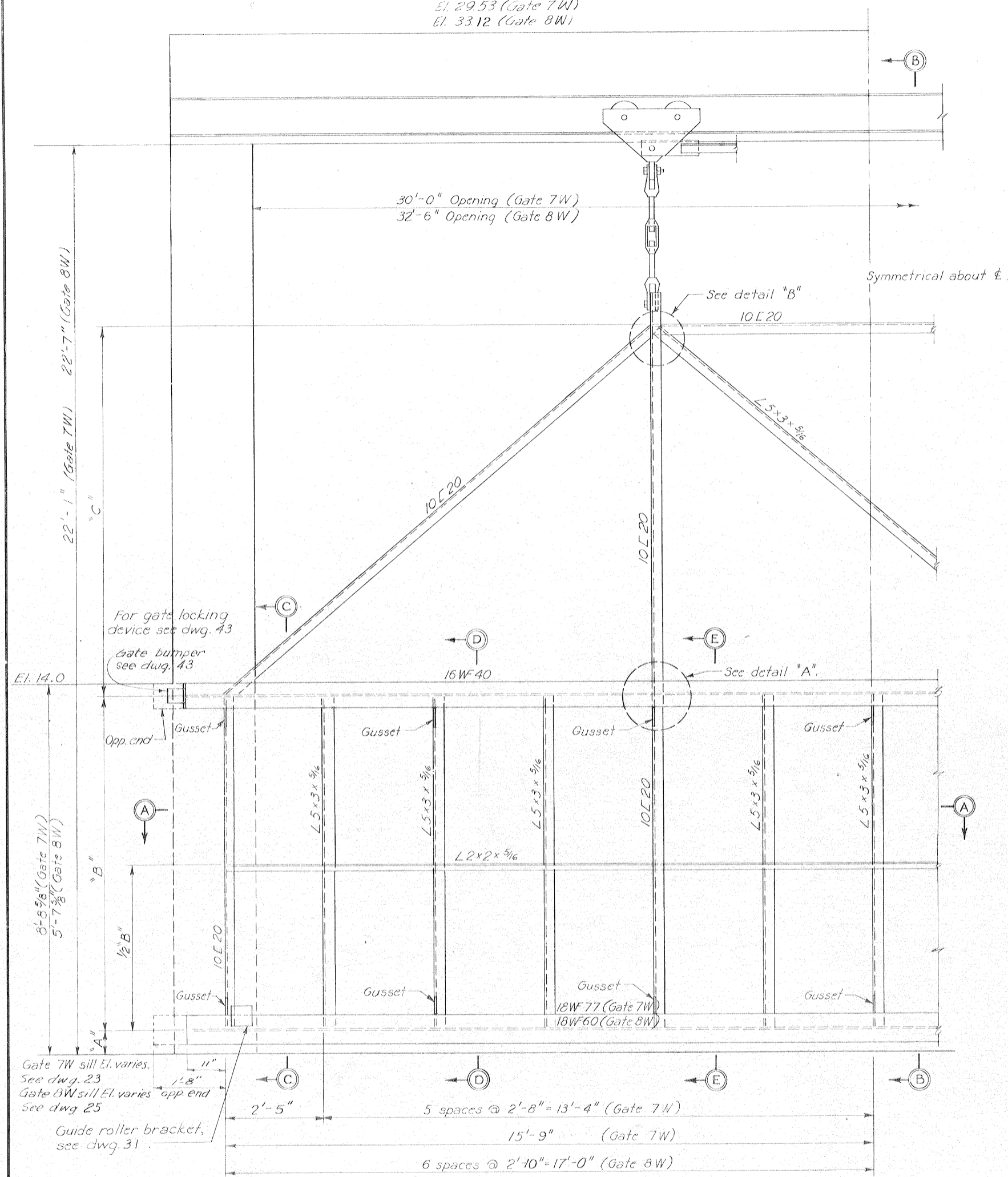


AS CONSTRUCTED

OVERHEAD ROLLER GATES-GATES 2W AND 9W
 AS CONSTRUCTED

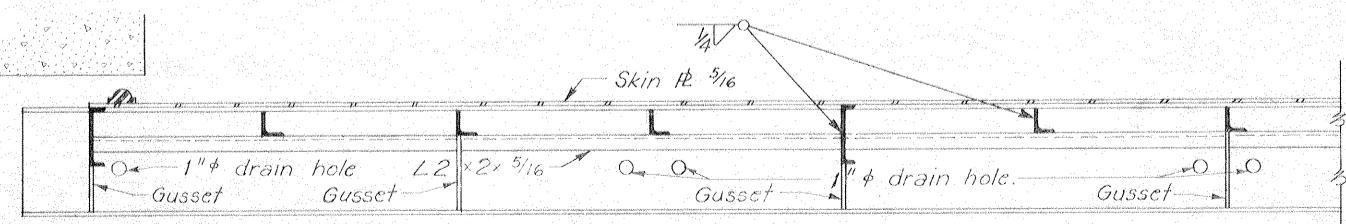
REVISION	DATE	DESCRIPTION	BY
DESIGNED: T.F.P.	DRAWN: E.J.C.	CHECKED: H.L.B.	CODE IDENT. NO. SIZE FILE NO.
			H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29-70-3-0126 DWG. NO. 35 OF 47
IHNC, WEST LEVEE, U.S. HWY 90 TO ALMONASTER AVE.			

El. 29.53 (Gate 7W)
El. 33.12 (Gate 8W)



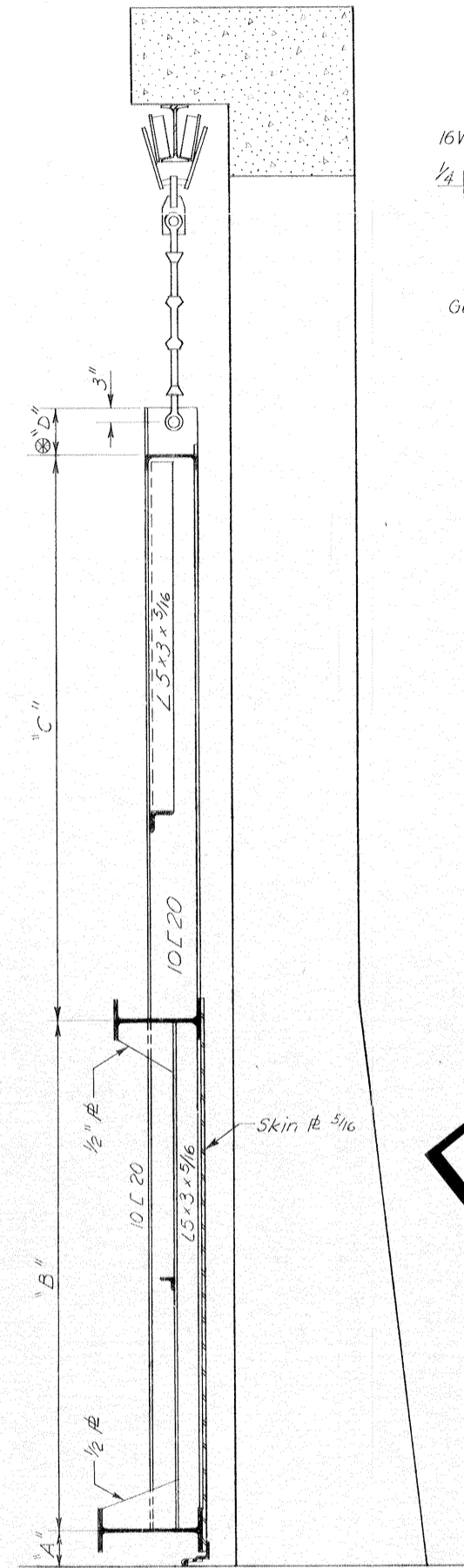
FLOOD SIDE ELEVATION

Gate 7W shown

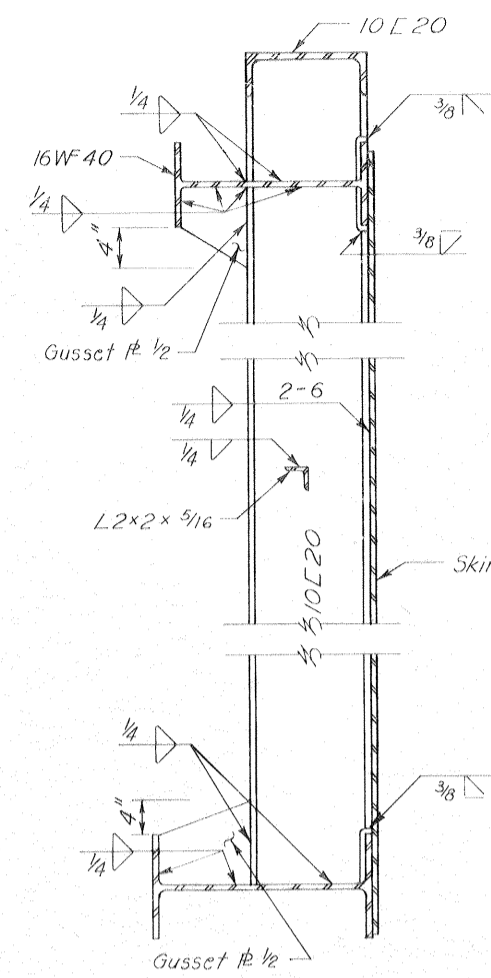


SECTION A-A

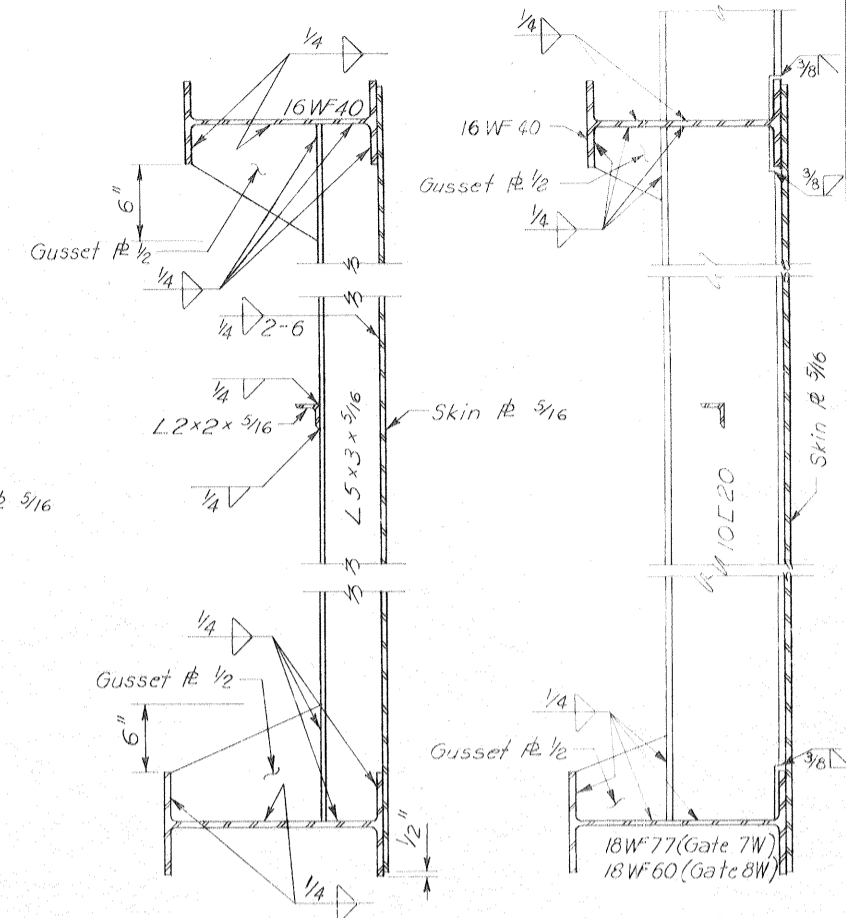
Scale: 3/4" = 1'-0"



SECTION B-B



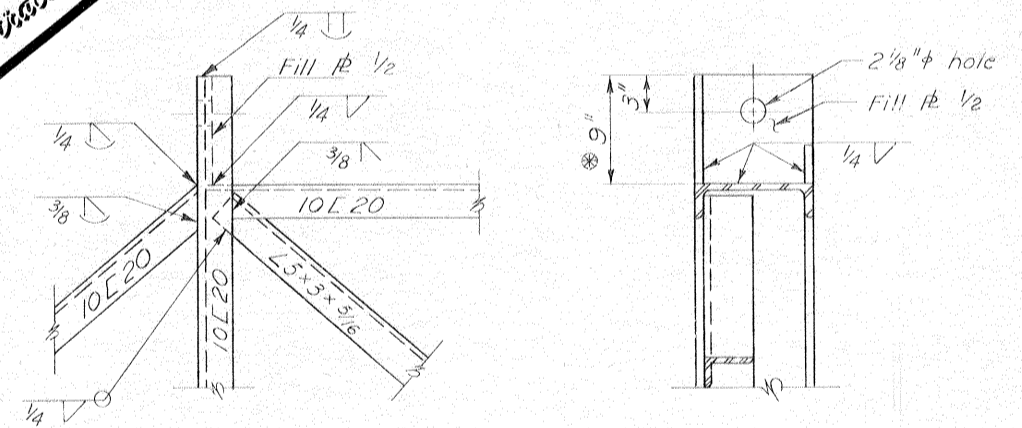
SECTION C-C



SECTION D-D

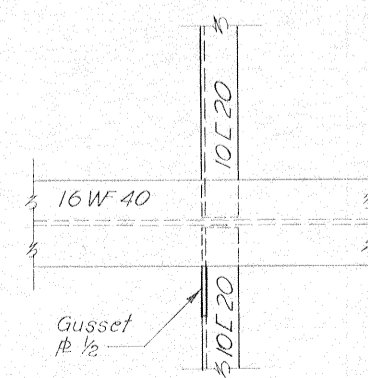
SECTION E-E

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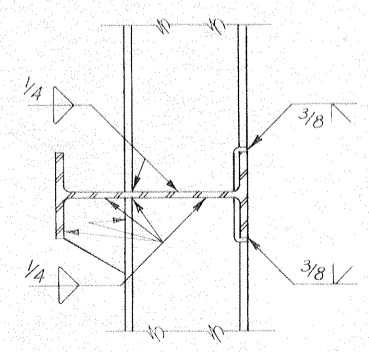
DETAIL B

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



DETAIL A

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



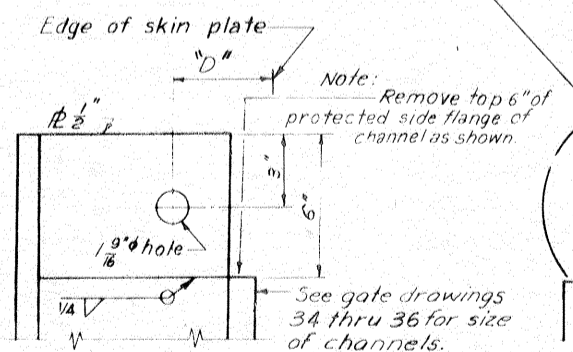
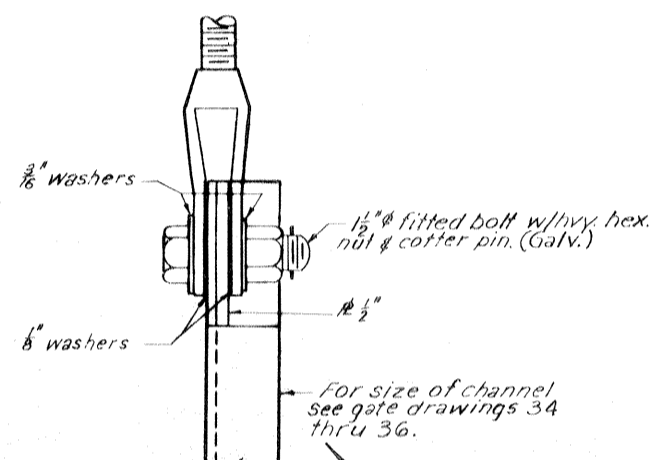
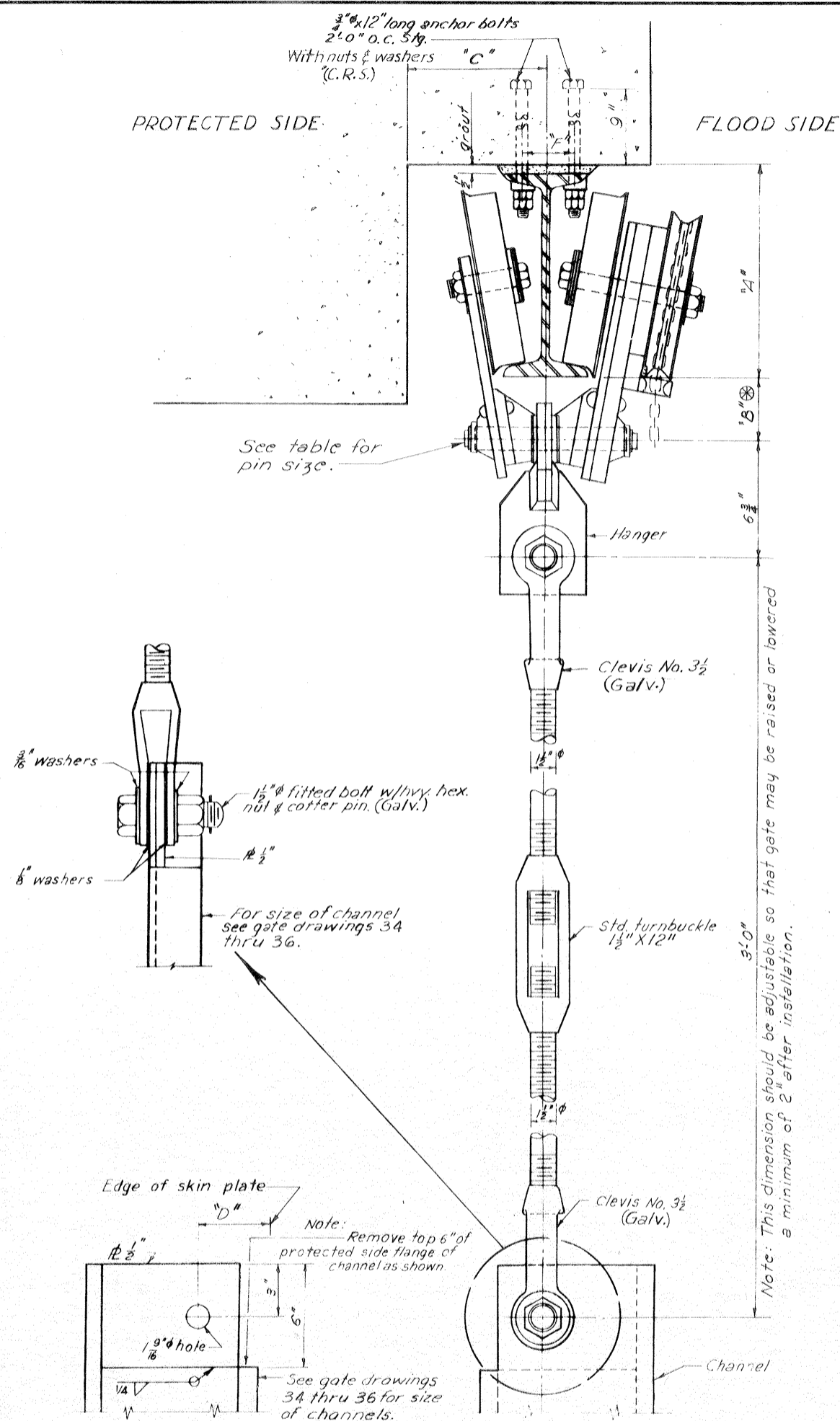
Note:
For general notes, see dwg. 2
For seal details, see dwg. 38
For seal guard details, see dwg. 43
⊗ These dimensions may vary with trolley used (see dwg. 37)

GATE SCHEDULE					
GATE	SILL ELVERT. CL.	"A"	"B"	"C"	"D"
7W	See dwg. 20	22'-0"	6 7/8"	7'-10 1/4"	9'-1 7/8"
8W	See dwg. 22	22'-6"	6 1/4"	4'-10"	12'-11 3/4"

OVERHEAD ROLLER GATES-GATES 7W AND 8W

AS CONSTRUCTED

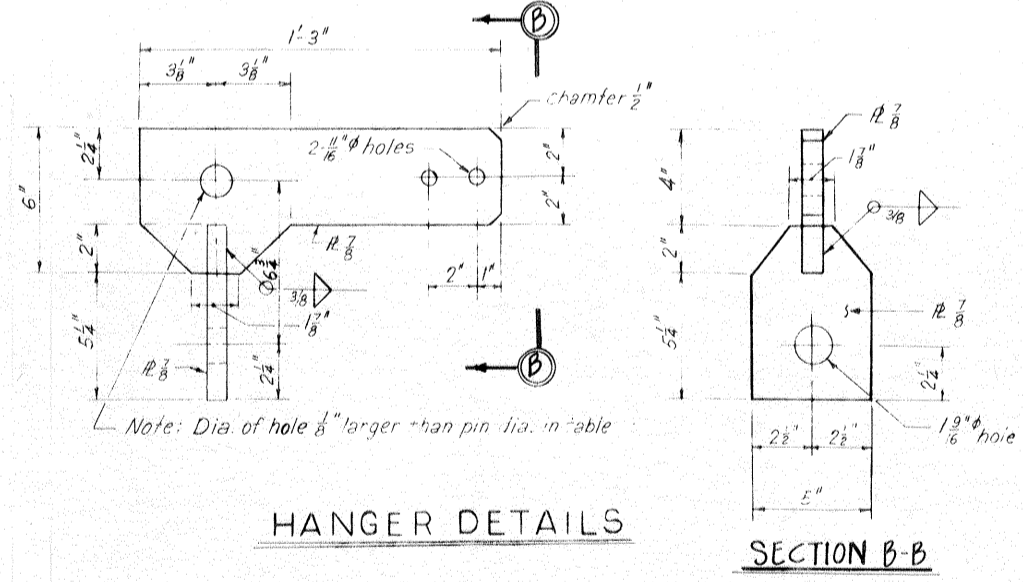
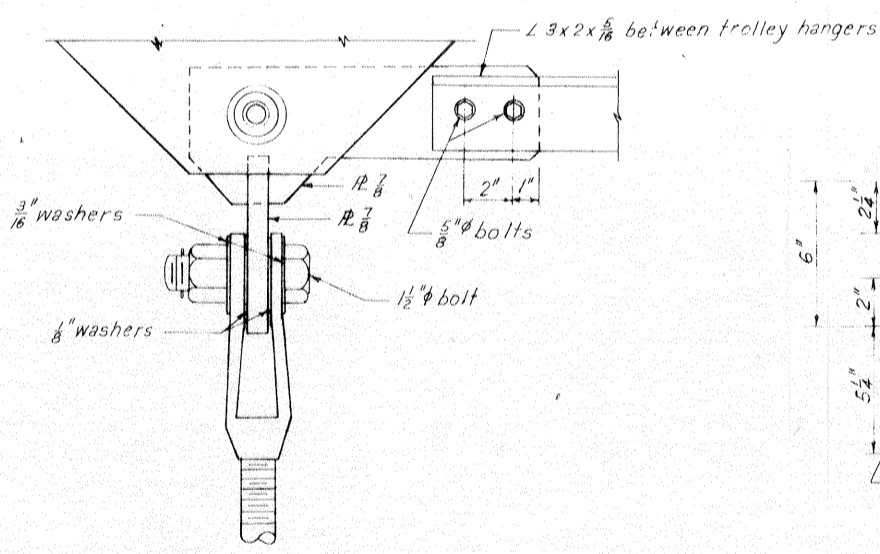
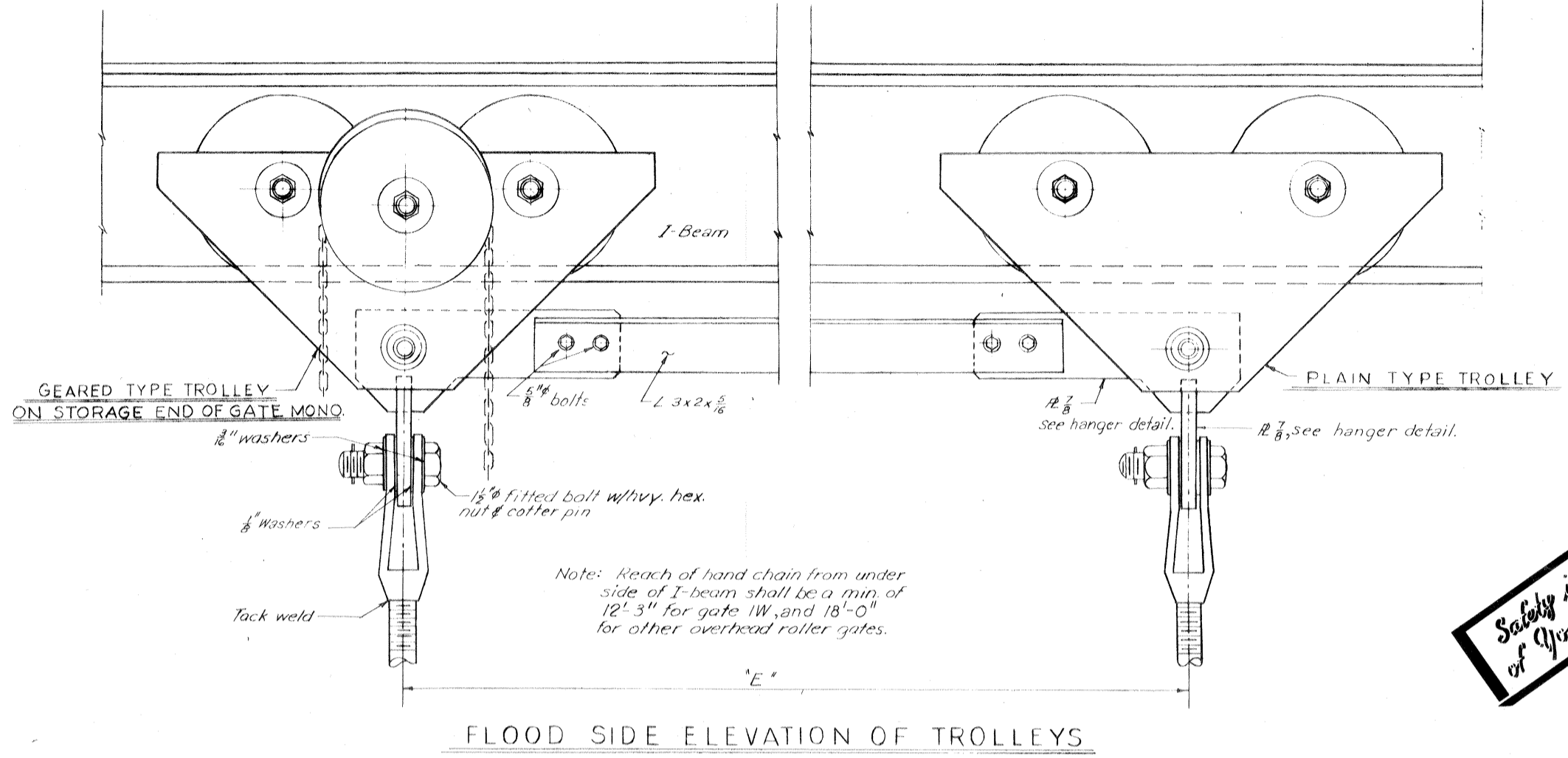
REVISION	DATE	DESCRIPTION	BY
DESIGNED: D.A.M.	DRAWN: J.J.P.	CHECKED: H.L.B.	FILE NO. H-4-24692
DATE: MARCH 1970		SCALE SHOWN: 3/4" = 1'-0"	SPIC NO. DACW29-70-9-0126 DWG. NO. 36 OF 47



TABLE

Gate No.	Trolley Size	I Beam	Pin Dia.	"A"	"B" ⊗	"C"	"D"	"E"	"F"	"G"	"H"
1 W	1 1/2 Ton	7"-15.3"	1 1/2"	7 1/2"	2 3/8"	7 3/8"	3 3/8"	10'-8"	2 1/2"	19'-6"	21'-11 1/2"
2 W	1 1/2 Ton	7"-15.3"	1 1/2"	7 1/2"	2 3/8"	8 3/4"	4"	9'-4"	2 1/2"	18'-0"	19'-11 1/2"
7 W	3 Ton	10"-25.4"	1 1/2"	10 1/2"	3 1/2"	9 3/4"	4 5/8"	10'-8"	2 3/2"	59'-6"	*CONT.
8 W	3 Ton	10"-25.4"	1 1/2"	10 1/2"	3 1/2"	9 3/8"	5 1/2"	11'-4"	2 3/2"	63'-0"	*CONT.
9 W	2 Ton	8"-18.4"	1 1/2"	8 1/2"	3 3/8"	8 1/4"	3 5/8"	9'-4"	2 1/2"	18'-0"	19'-11 1/2"

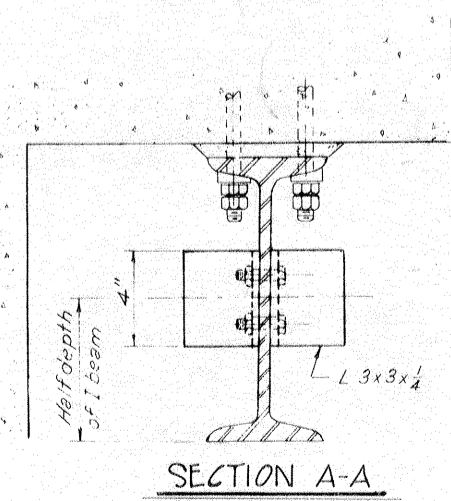
* Note: Gates 7W & 8W have no removable beams.
 ⊗ Note: These dimensions subject to variation with trolley used.



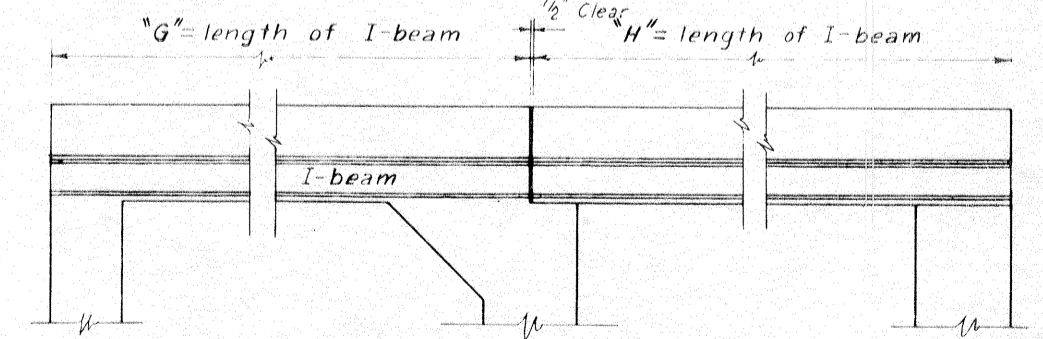
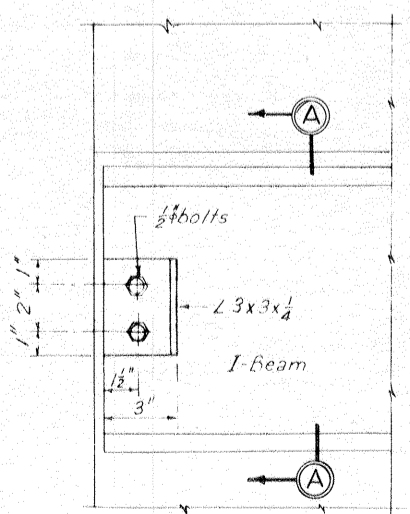
FLOOD SIDE ELEVATION OF HANGER

HANGER DETAILS

SECTION B-B



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



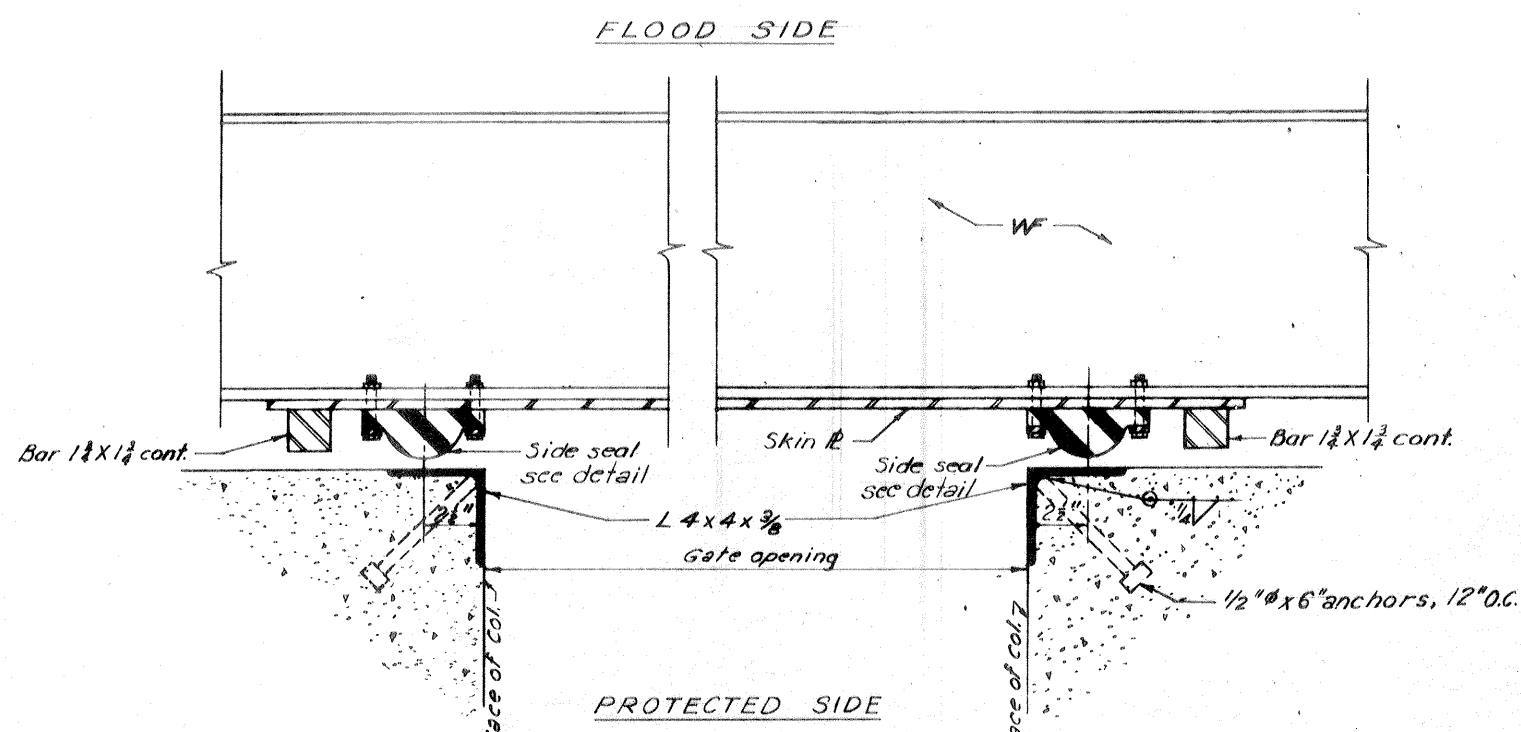
FLOODSIDE ELEVATION OF OVERHEAD I-BEAM RAIL
 GATES 1W, 2W GATES 7W, 8W, 9W OPP. HAND
 Scale: 1/2" = 1'-0"

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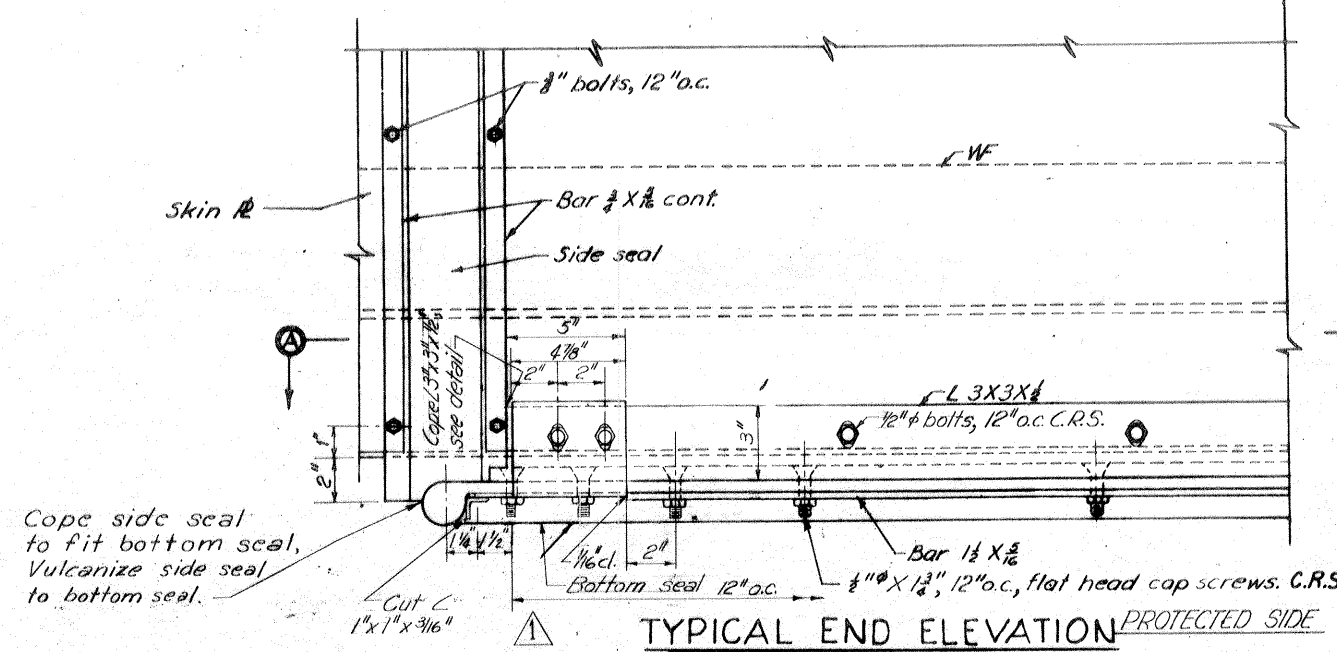
**OVERHEAD ROLLER GATES
 TROLLEY AND HANGER DETAILS**
 AS CONSTRUCTED

DESIGNED	DRAWN	CHECKED	CODE IDENT NO.	SIZE	FILE NO.
D.A.M.	E.J.C.	H.L.B.			H-4-24692
DATE	MARCH 1970	SCALE SHOWN	SPEC NO. DACW28-70-B-0126	DWG NO.	37 OF 47

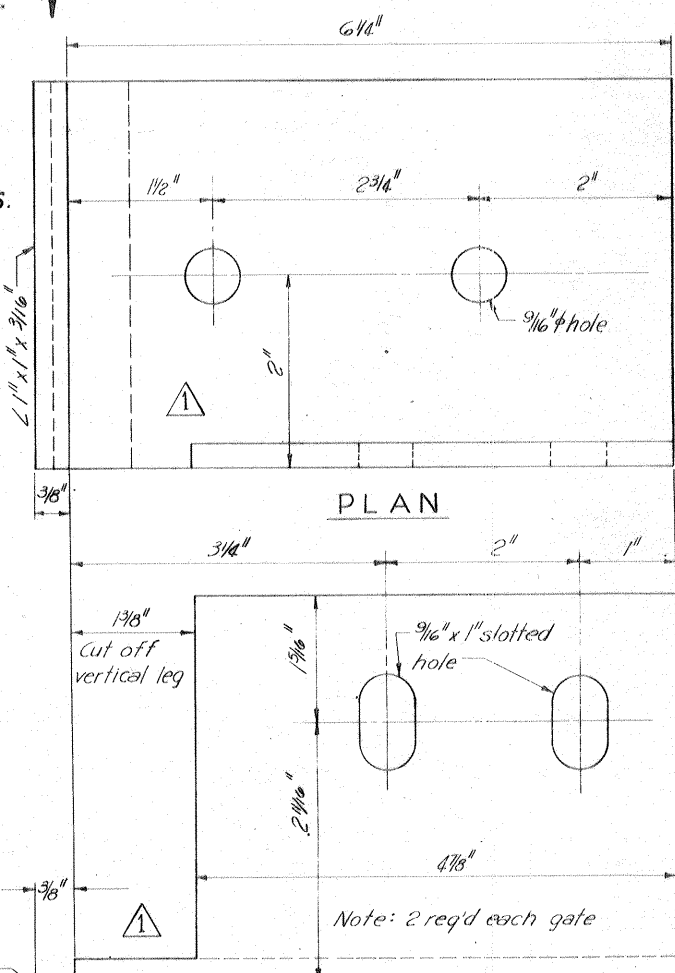
Safety is a Part of Your Contract



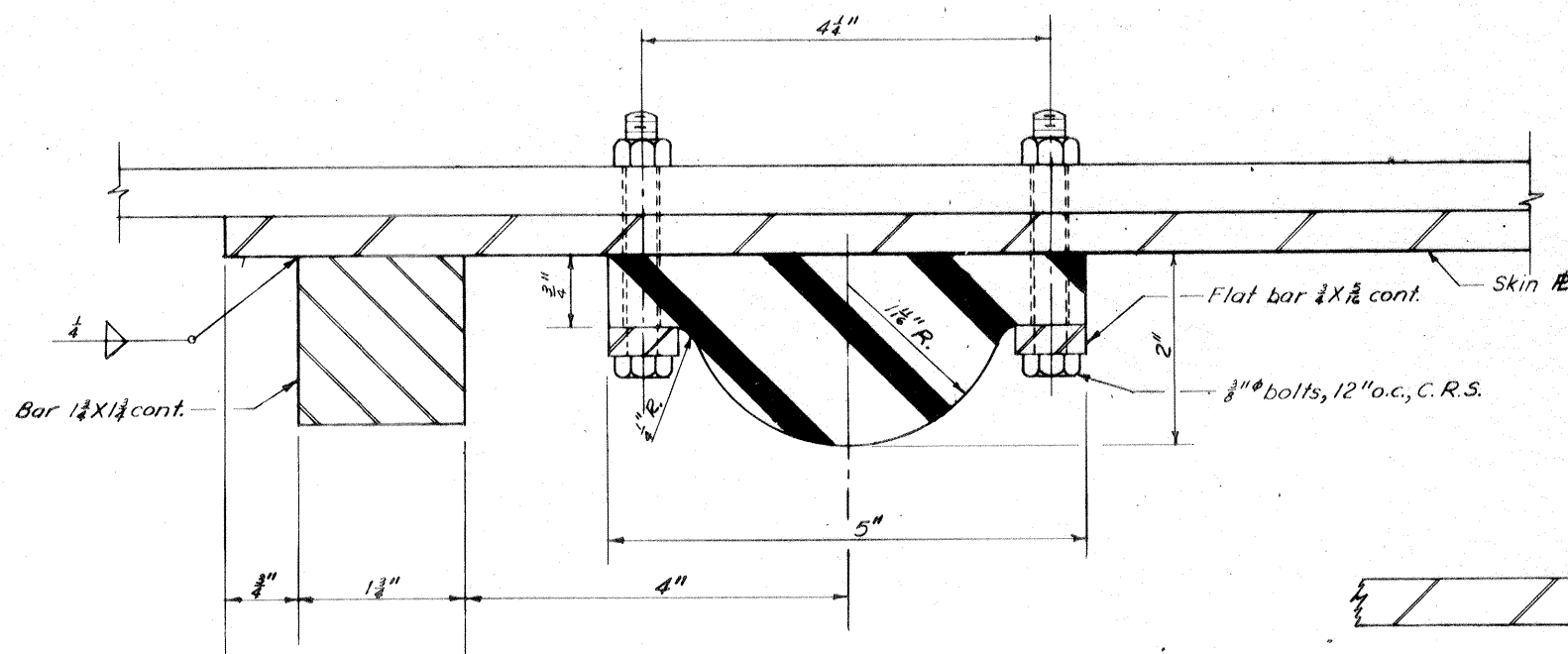
SECTION THRU OVERHEAD ROLLER GATE
Scale: 3"=1'-0"



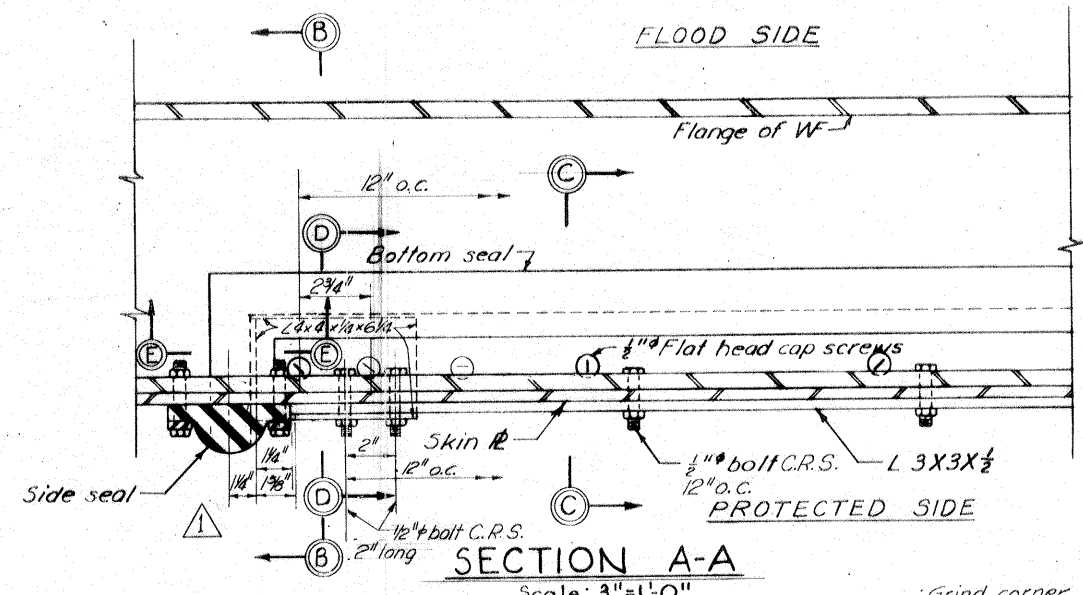
TYPICAL END ELEVATION PROTECTED SIDE



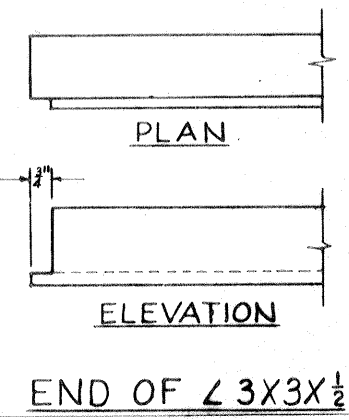
ELEVATION DETAIL OF L 4" x 4" x 1/4"
Scale: full size



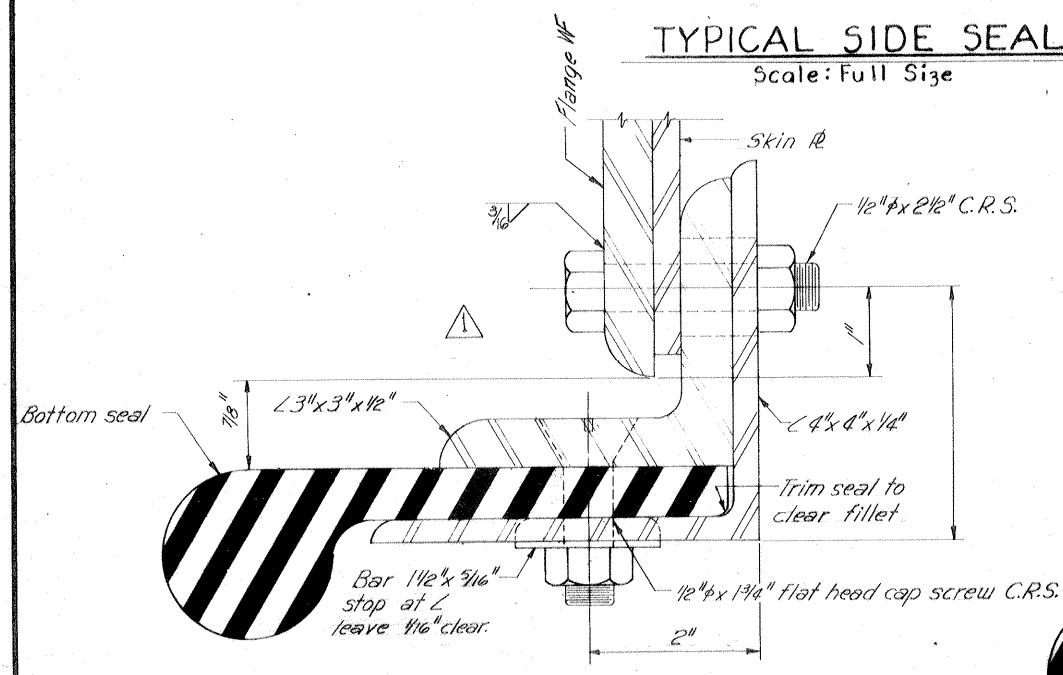
TYPICAL SIDE SEAL
Scale: Full Size



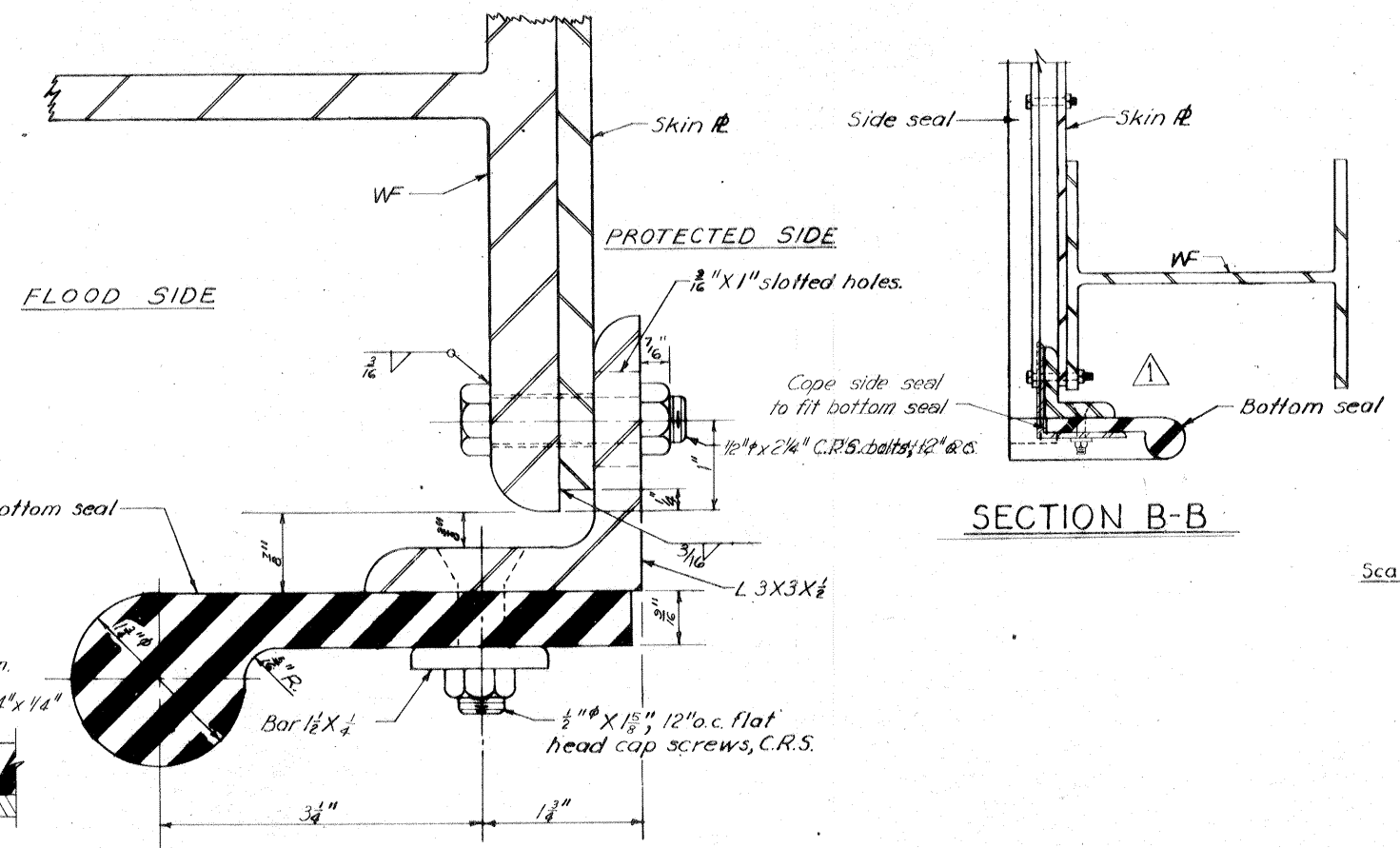
SECTION A-A
Scale: 3"=1'-0"



END OF L 3 X 3 X 1/2

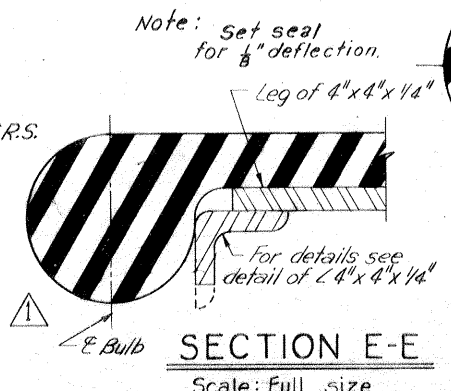


SECTION D-D
Scale: Full size



SECTION B-B

SECTION C-C
Scale: Full Size



SECTION E-E
Scale: Full size

Note:
For general notes, see dwg. 2.
Point all four sides of bars that hold rubber seals prior to final installation.

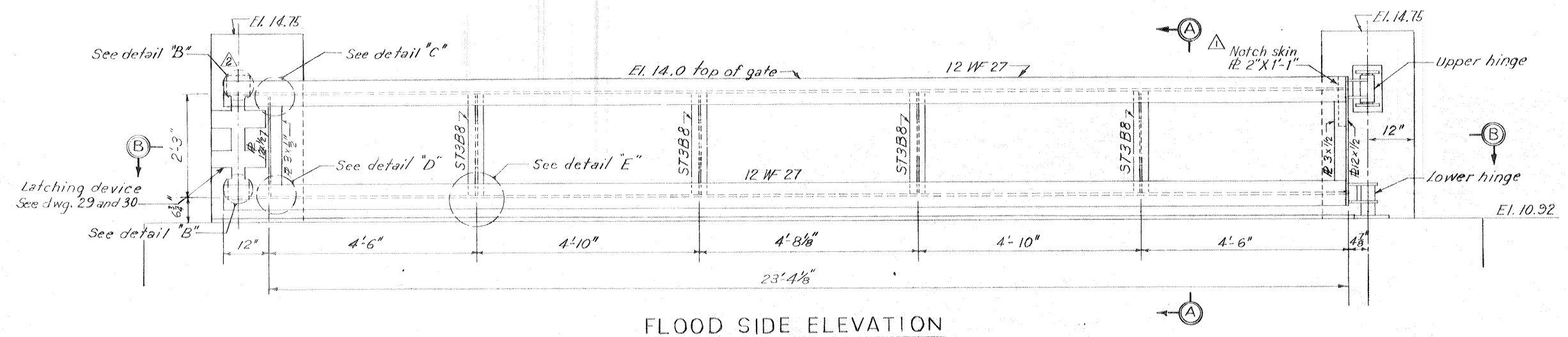
OVERHEAD ROLLER GATES-SEALS

AS CONSTRUCTED

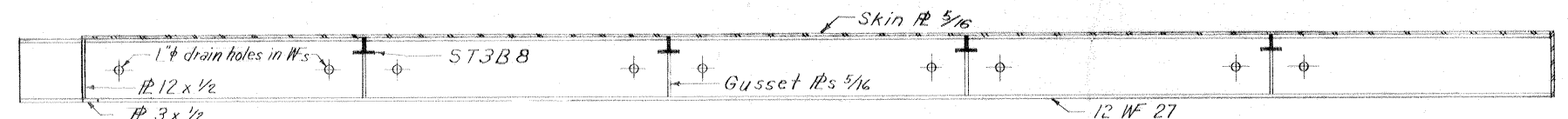
REVISION	DATE	DESCRIPTION	BY
11-30-70		Revised gate seal Mod. #6	J.E.B.
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
D.A.M.	C.E.M.	H.L.B.	
FILE NO.			H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACWB-70-11-0126 DWS. NO. 38 OF 47

IHNC, WEST LEVEE - U.S. HWY. 90 TO ALMONASTER AVE.

Safety is a Part of Your Contract

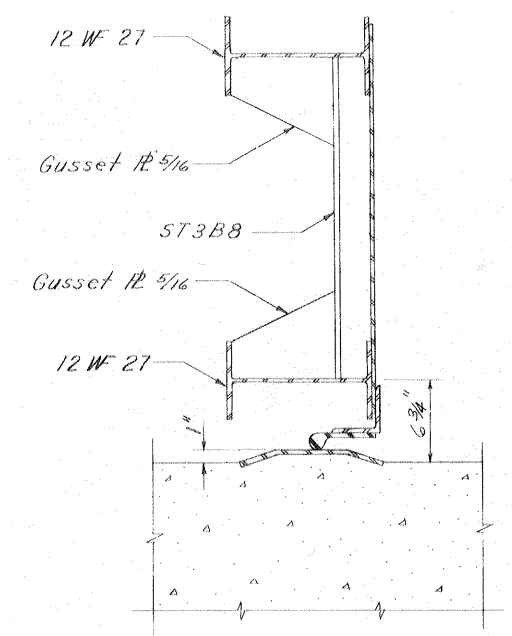


FLOOD SIDE ELEVATION



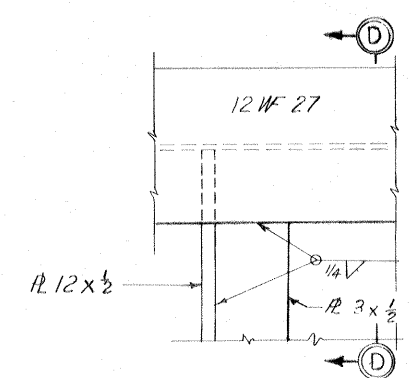
SECTION B-B

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



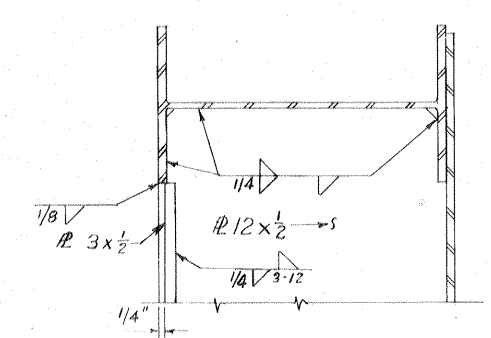
SECTION A-A

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



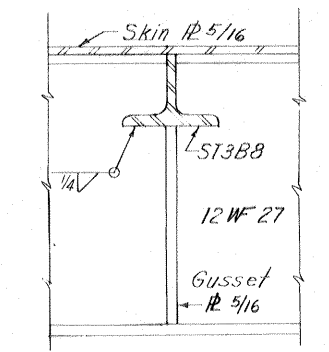
SECTION D-D

Scale: 3" = 1'-0"

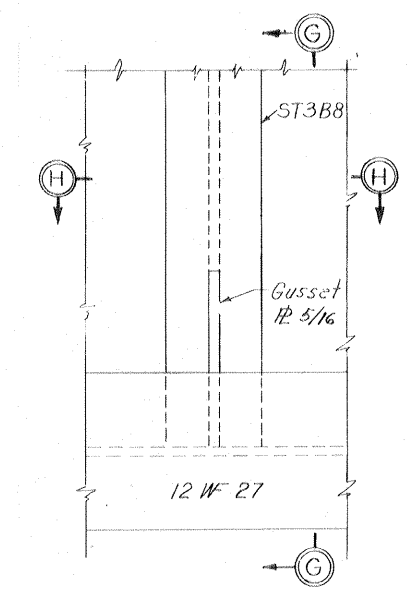


DETAIL C-C

Scale: 3" = 1'-0"

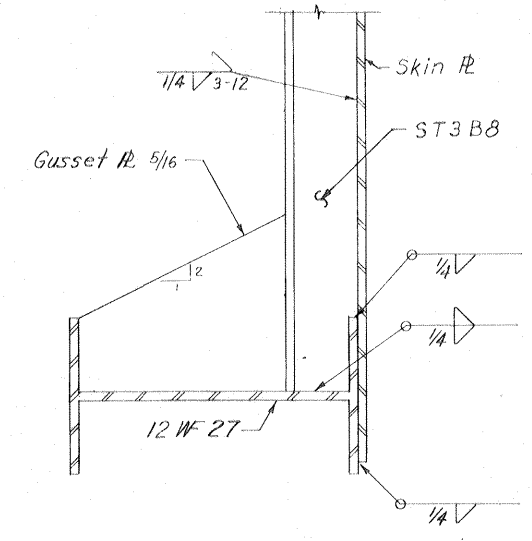


SECTION H-H



SECTION G-G

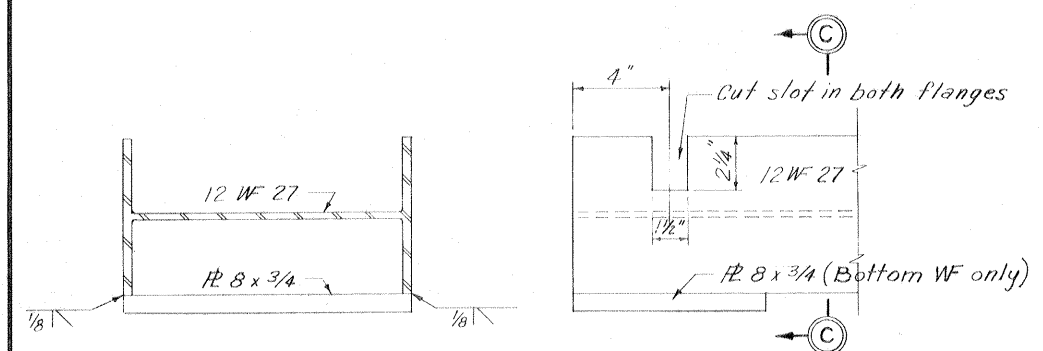
Scale: 3" = 1'-0"



DETAIL E-E

Scale: 3" = 1'-0"

Note: For general notes, see dwg. 2

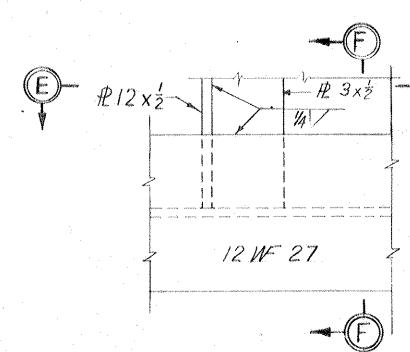


SECTION C-C

DETAIL B-B

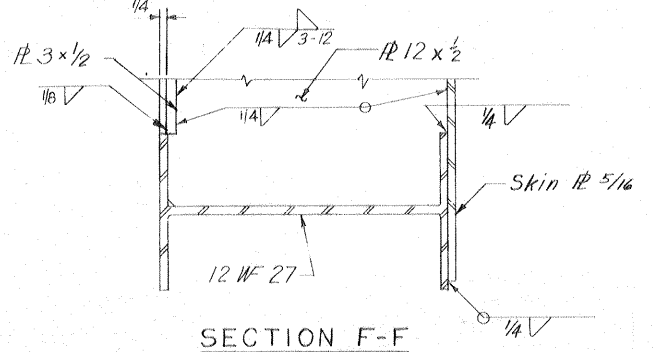
LOCKING DEVICE - NOTCHES IN W'S

Scale: 3" = 1'-0"



SECTION F-F

Scale: 3" = 1'-0"



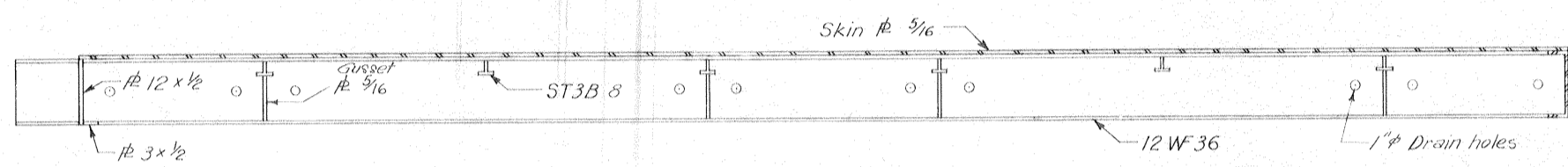
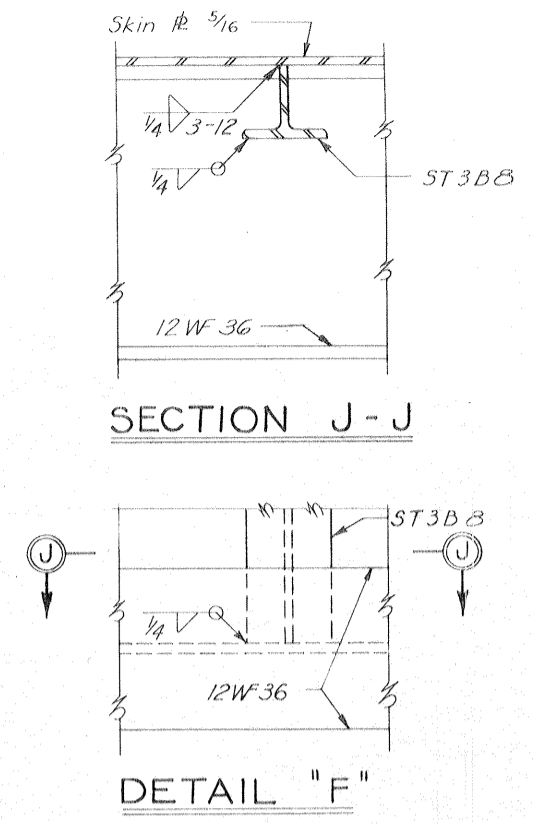
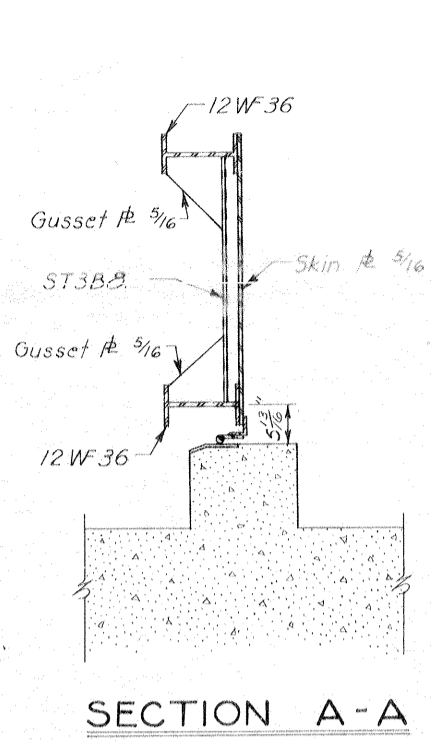
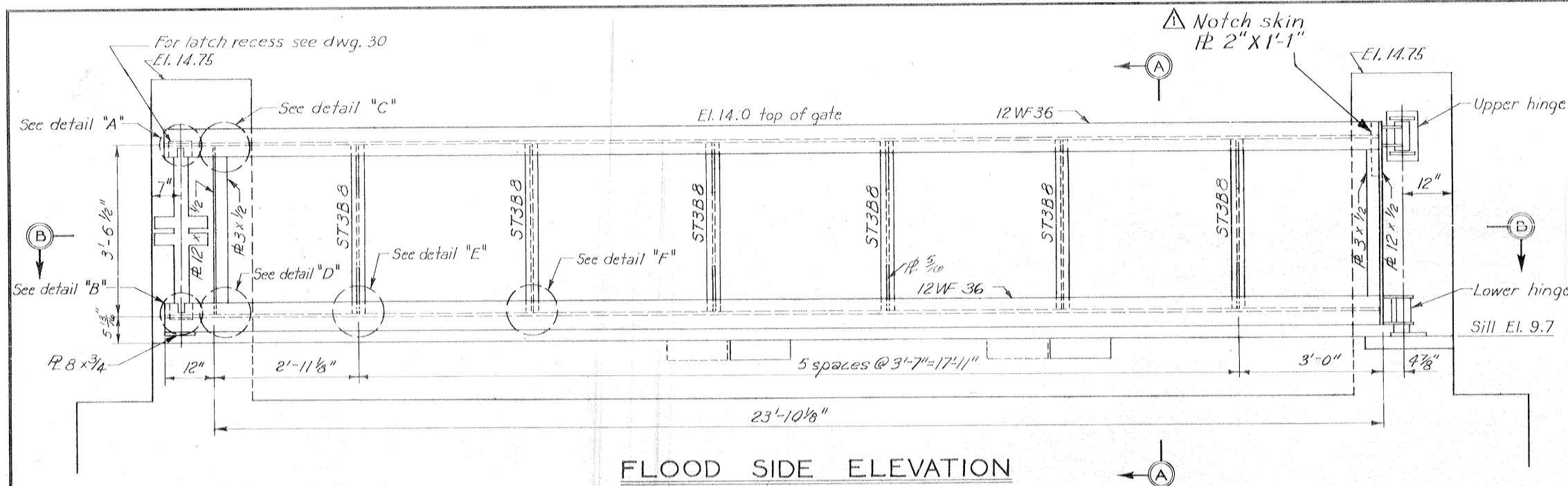
DETAIL D-D

Scale: 3" = 1'-0"

SWING GATES - GATES 3W, 4W AND 5W
AS CONSTRUCTED

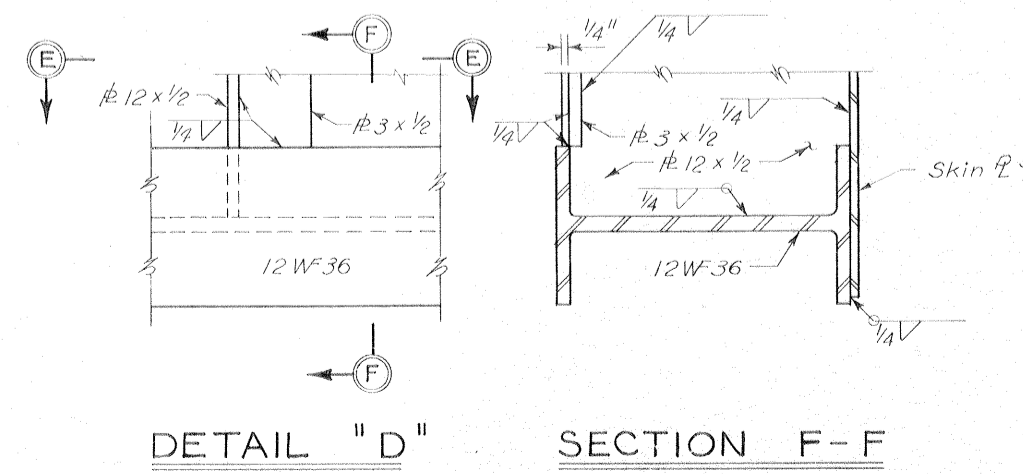
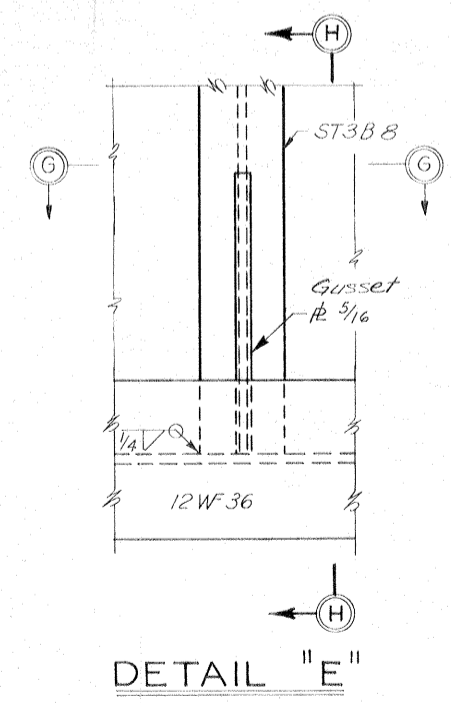
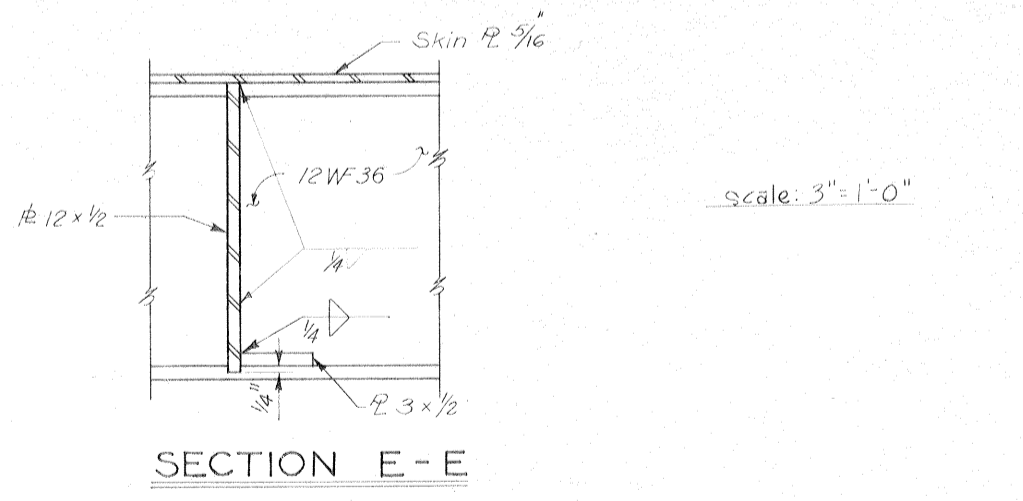
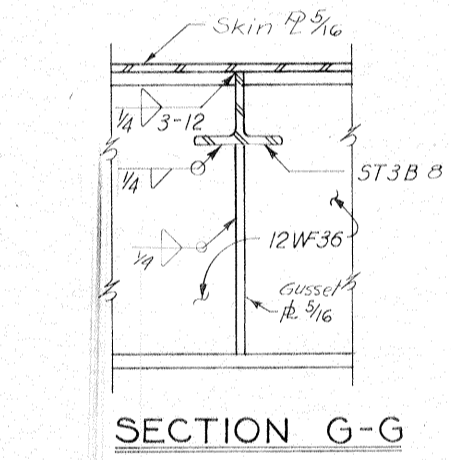
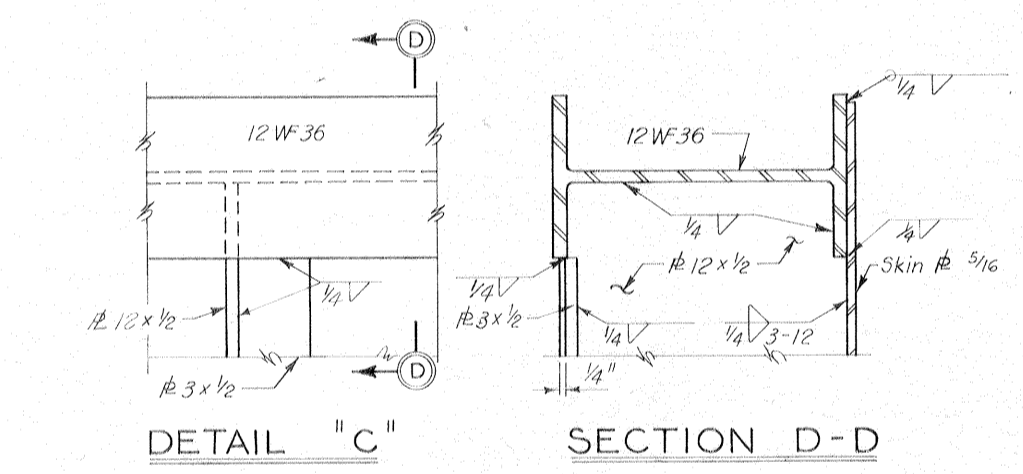
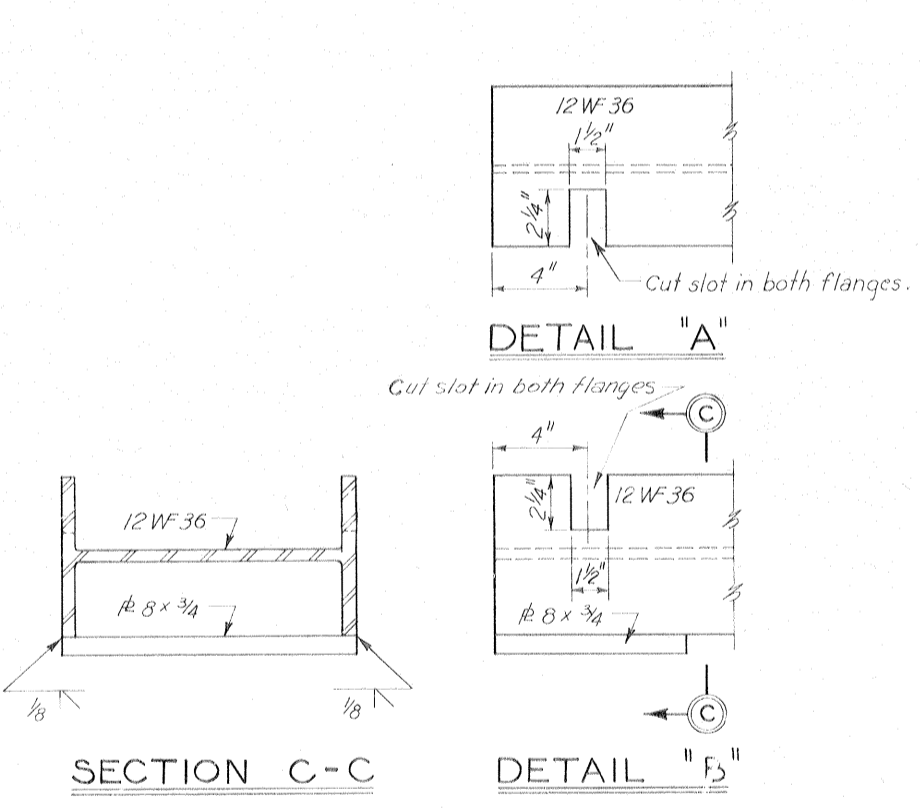
REVISION	DATE	DESCRIPTION	BY
2-2-71		Deleted detail "A" and revised slot in elevation, Mod. # 8	A.E.F.
8-5-70		ADDED NOTE IN ELEVATION FOR SKIN PLATE MODIFICATION NO. 2	R.G.S.
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.
T.F.P.	E.J.C.	H.L.B.	SIZE
			FILE NO.
			H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW28-70-B-7126
		DWG. NO. 39	OF 47

IHNC, WEST LEVEE - U.S. HWY 90 TO ALMONASTER AVE.



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

Safety is a Part of Your Contract

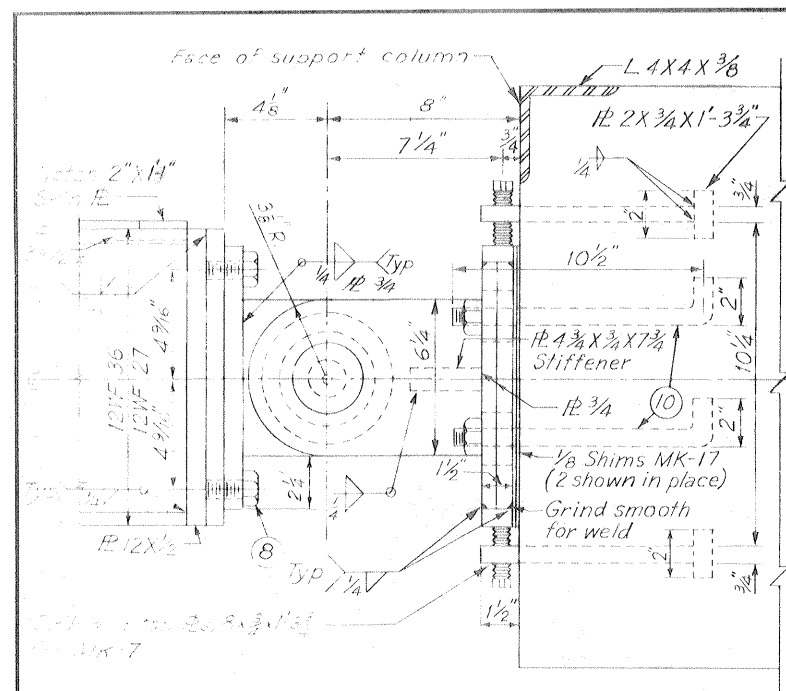


Note: For general notes, see dwg. 2.

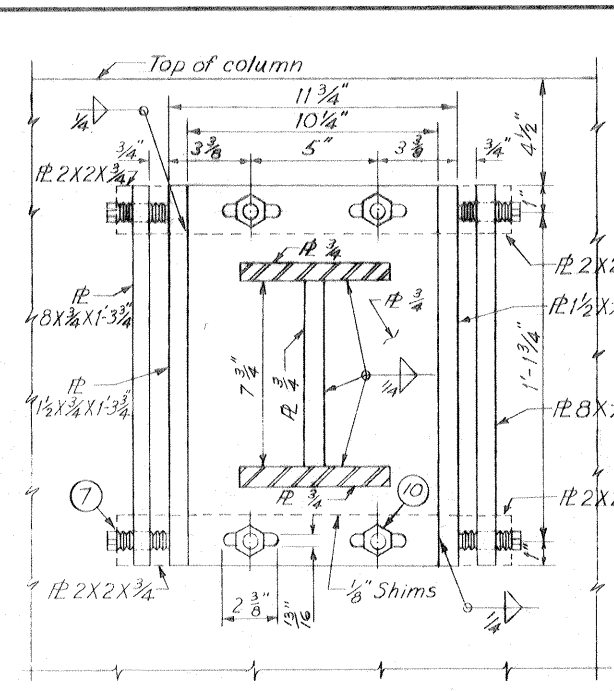
SWING GATE-GATE 6W
AS CONSTRUCTED

REVISION	DATE	DESCRIPTION	BY
8-5-70		ADDED NOTE IN ELEVATION FOR SKIN PLATE MODIFICATION NO. 2	R.G.S.
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
T.F.P.	J.J.P.	H.L.B.	H-4-24692
DATE: MARCH 1970		SCALE: SHOWN	SPEC. NO. DACW29 70-B-0126 DWG. NO. 40 OF 47

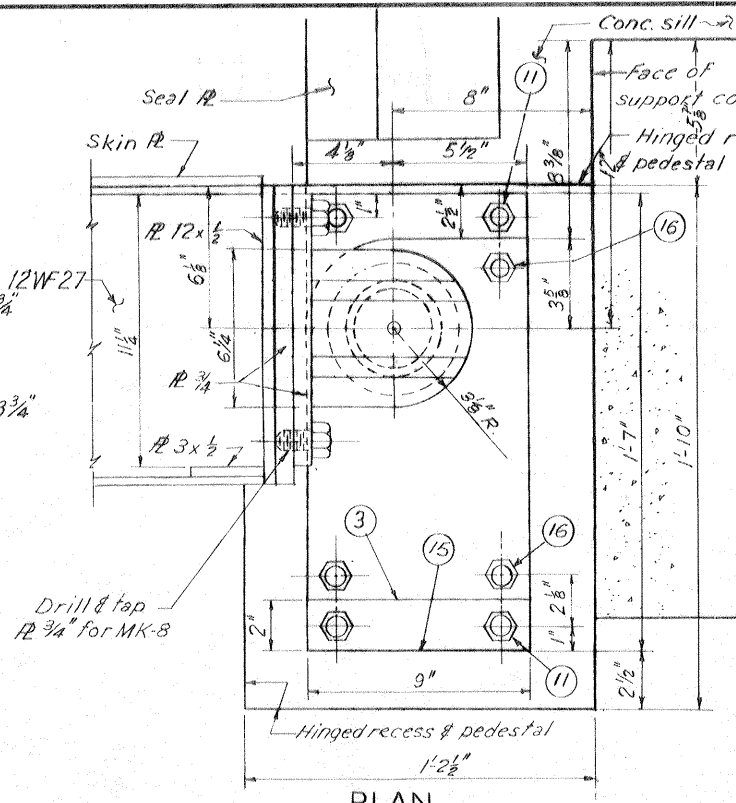
IHNC, WEST LEVEE-US. HWY 90 TO ALMONASTER AVE.



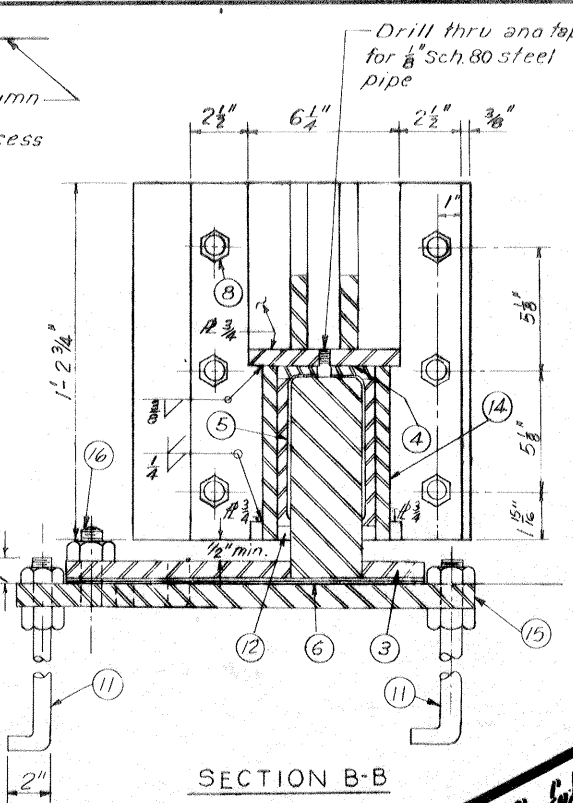
PLAN
Scale 3"=1'-0"



SECTION A-A



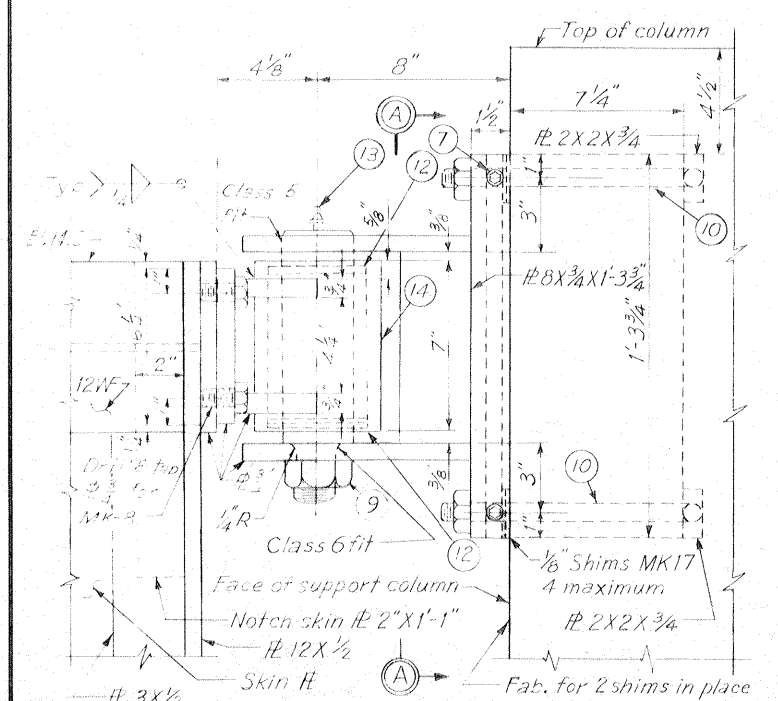
PLAN
Scale 3"=1'-0"



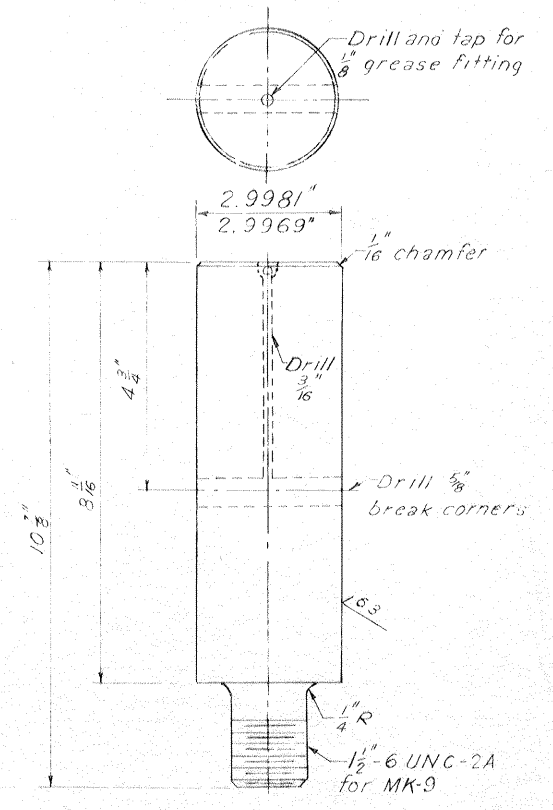
SECTION B-B

PARTS NOT DETAILED				
MARK NO.	QUANTITY	DESCRIPTION	MATERIAL	
7	16	Set screw, hexagon socket, 3/8" x 2 1/2" class 3A, flat point	C.R.S.	
8	40	Cap screw, hex hd., 3/8" 10UNC-2A, 1 1/2" long w/flat washer	C.R.S.	
9	4	Nut, hex. hd., 1 1/2" 6 UNC-2A type 2 style 8 w/flat washer	C.R.S.	
10	16	Anchor bolt, 3/4" x 10 1/2" w/nut and flat washer	Structural steel	
11	16	Anchor bolt, 3/4" x 30 w/nuts and flat washers	Structural steel	
12	12	Grease gun, Gerlock Standard Klosure No. 2176 or equal	Comm. grade	
13	8	Grease fitting, 1/8" NPT type	Comm. grade	
14	4'-10"	Mechanical tubing, 5/8" O.D. x 4" I.D. machined for class 6 fit between I.D. of tubing and O.D. of bushing.	AISI C1015	
16	12	Stud, 3/8" 10UNC-2A x 4 1/2" lg. U/nuts	C.R.S.	

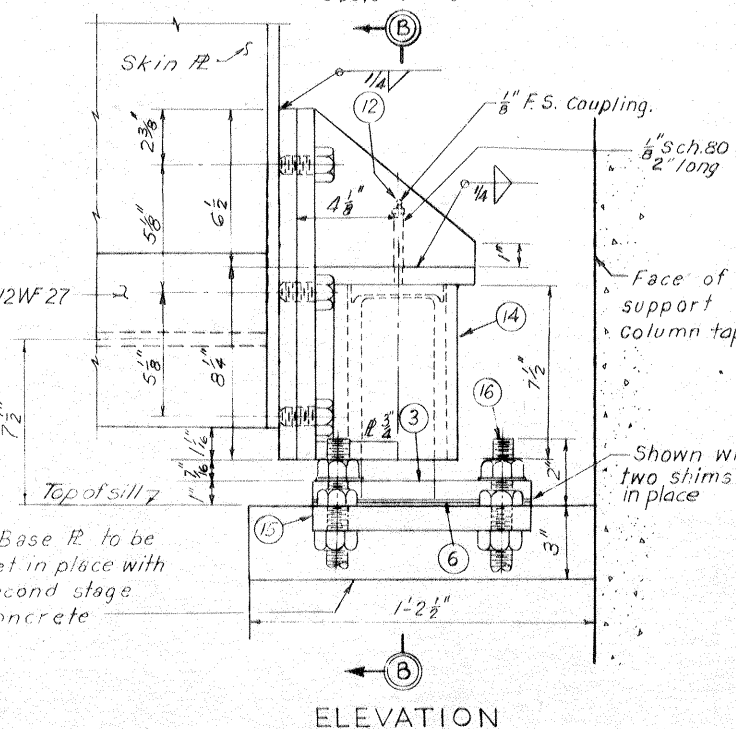
Safety is a Part of Your Contract



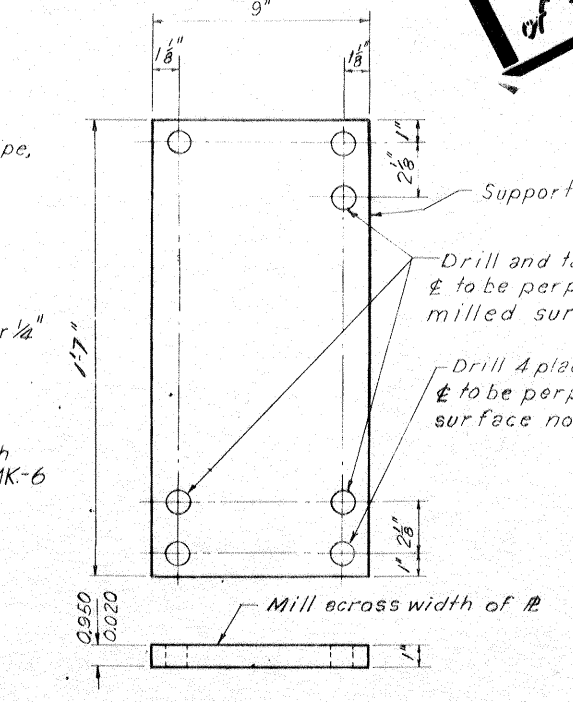
ELEVATION
Scale 3"=1'-0"



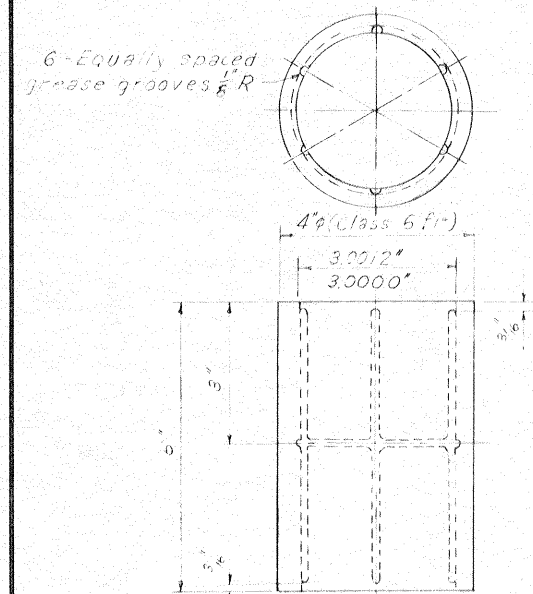
BUSHING SHAFT MK-1
MAT'L. ASTM A 237-63T CLASS C 4-REQ'D
Scale 6"=1'-0"



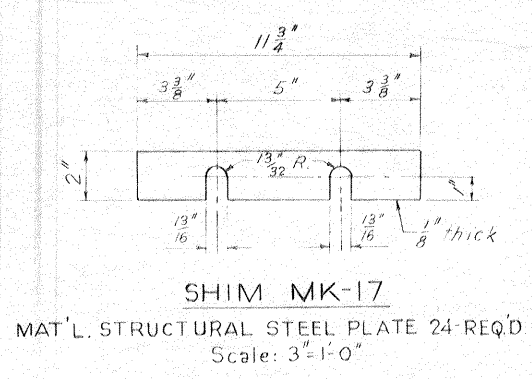
ELEVATION



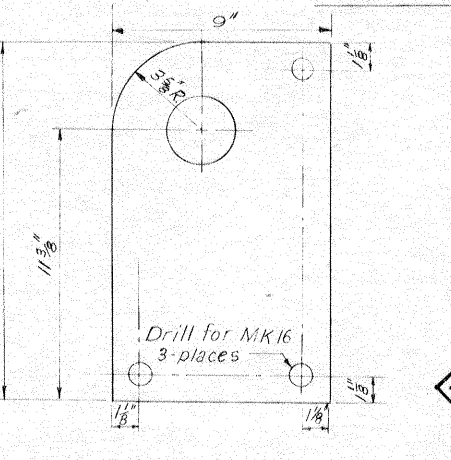
BASE PLATE MK-15
MAT'L. 1" STRUCTURAL STEEL 4-REQ'D.
Scale 3"=1'-0"



BUSHING MK-2
MAT'L. ASTM-B 22-61 ALLOY C 4-REQ'D
Scale 6"=1'-0"

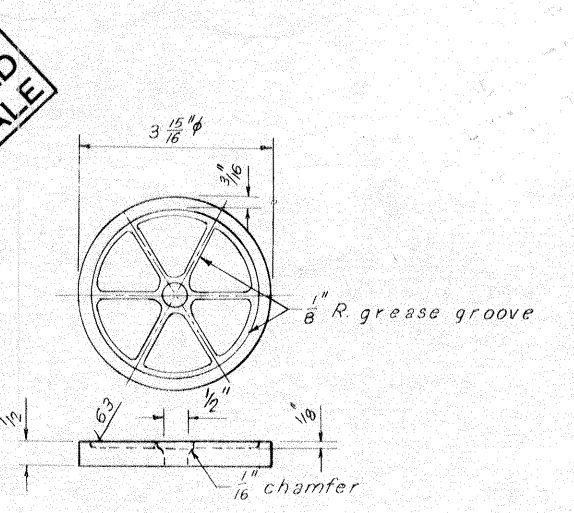


SHIM MK-17
MAT'L. STRUCTURAL STEEL PLATE 24-REQ'D
Scale 3"=1'-0"

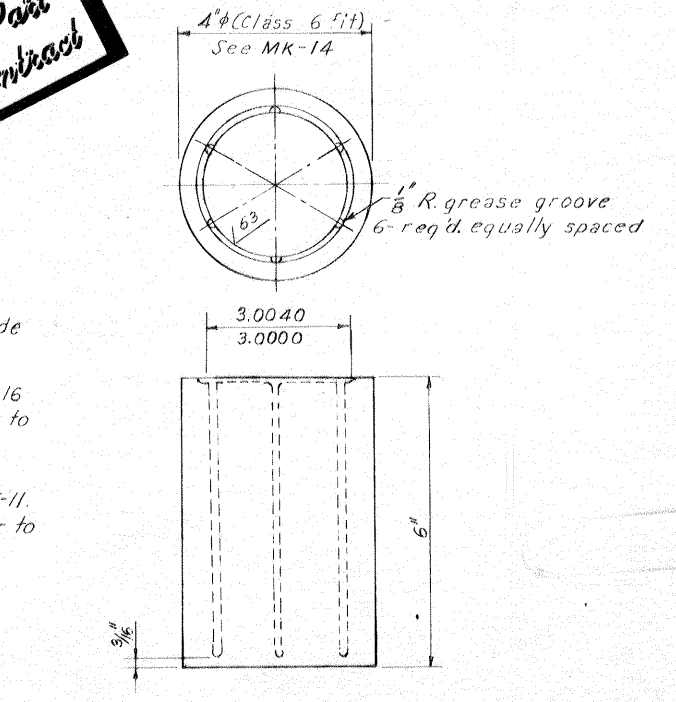


BEARING PEDESTAL MK-3
MAT'L. SHAFT ASTM A 237-63T CLASS C 4-REQ'D
BASE STRUCTURAL STEEL
Scale 3"=1'-0"

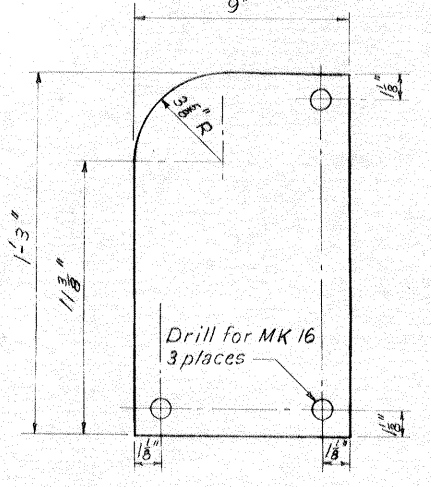
NOTE: DRAWING REDUCED TO ONE HALF SCALE



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



BUSHING MK-5
MAT'L. ASTM-B 22-61 ALLOY C 4-REQ'D
Scale 6"=1'-0"



SHIM MK-6
MAT'L. 1/8" STEEL PLATE 24-REQ'D.
Scale 3"=1'-0"

Note: Quantities shown are for four assemblies.

UPPER HINGE

LOWER HINGE

SWING GATES-HINGE DETAILS

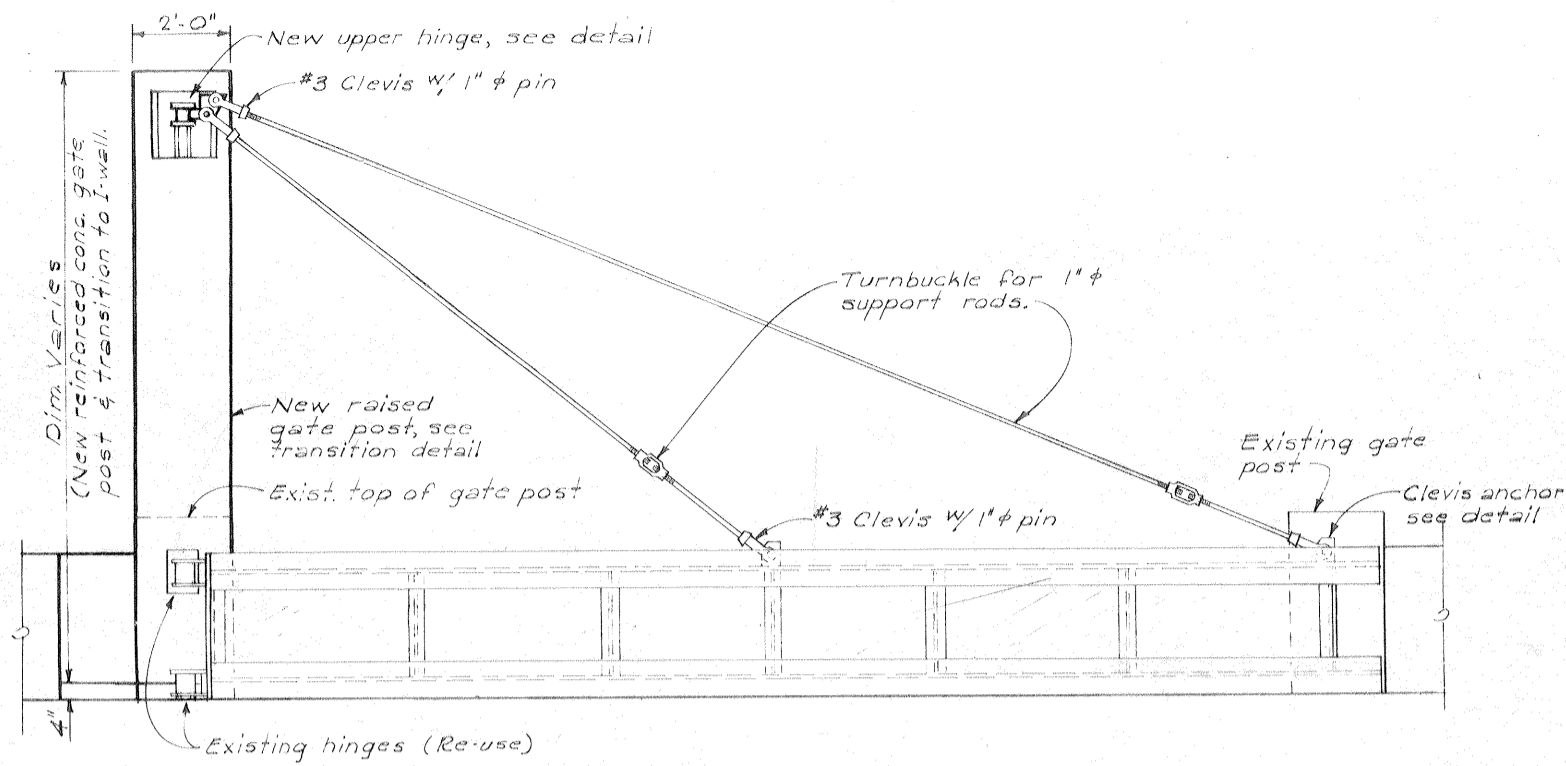
AS CONSTRUCTED

REVISION	DATE	DESCRIPTION	BY
2	6-11-71	REVISED DIEM. IN BEARING PEDESTAL MK-3 MOD. POU	J.O.C.
1	8-5-70	REVISED UPPER HINGE MODIFICATION NO. 2	R.B.S.

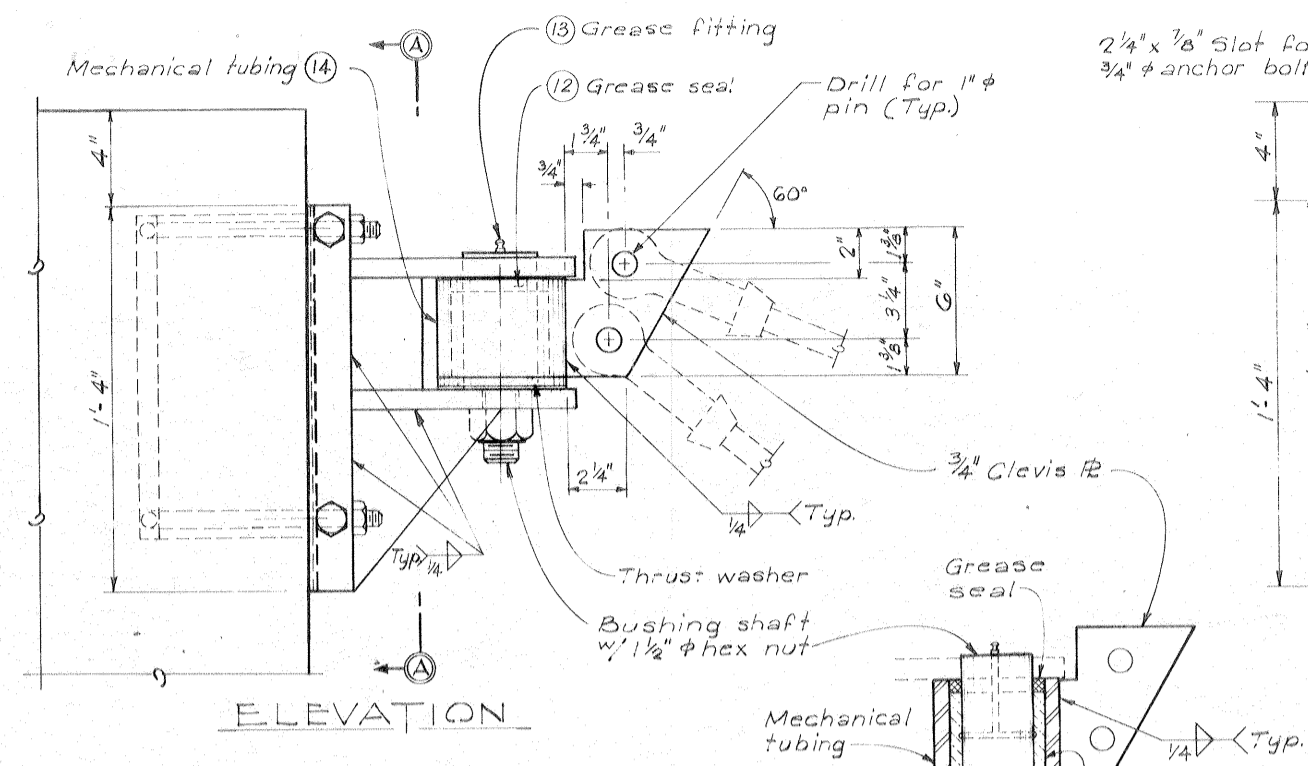
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.	BY
W.A.W.	E.J.C.	T.F.P.				

H-4-24692

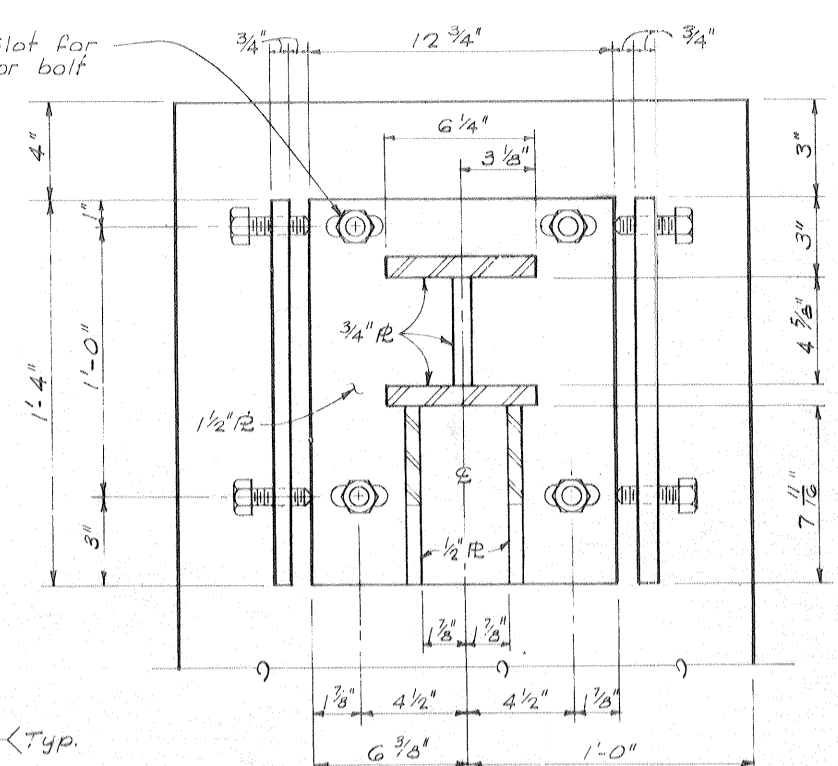
DATE: MARCH 1970 SCALE: SHOWN SPEC. NO. DACWB-70-B-0126 DWG. NO. 41 OF 47



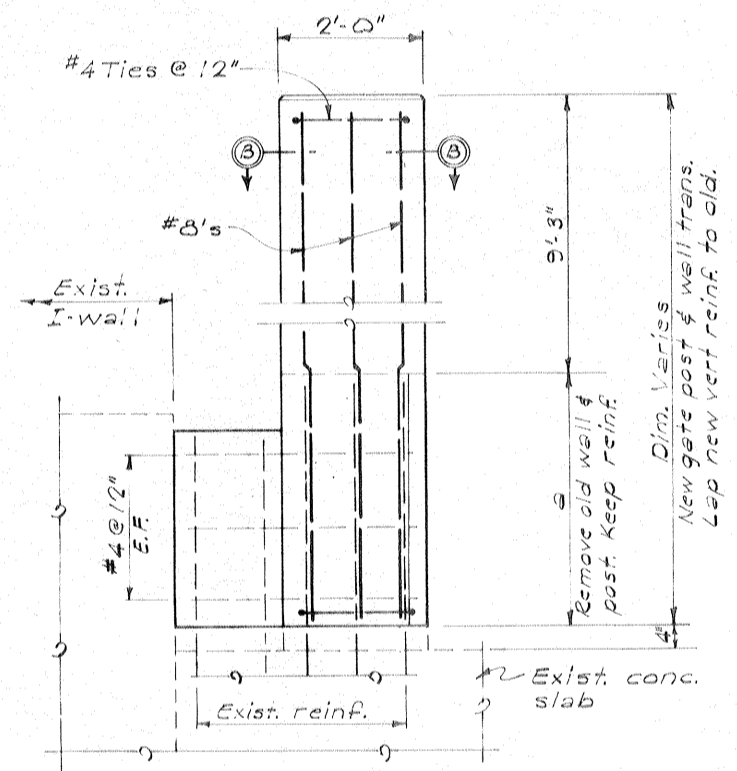
ELEVATION
Scale: 1/2" = 1'-0"



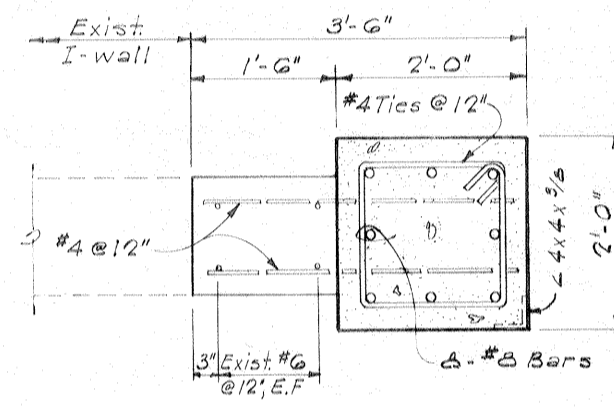
ELEVATION



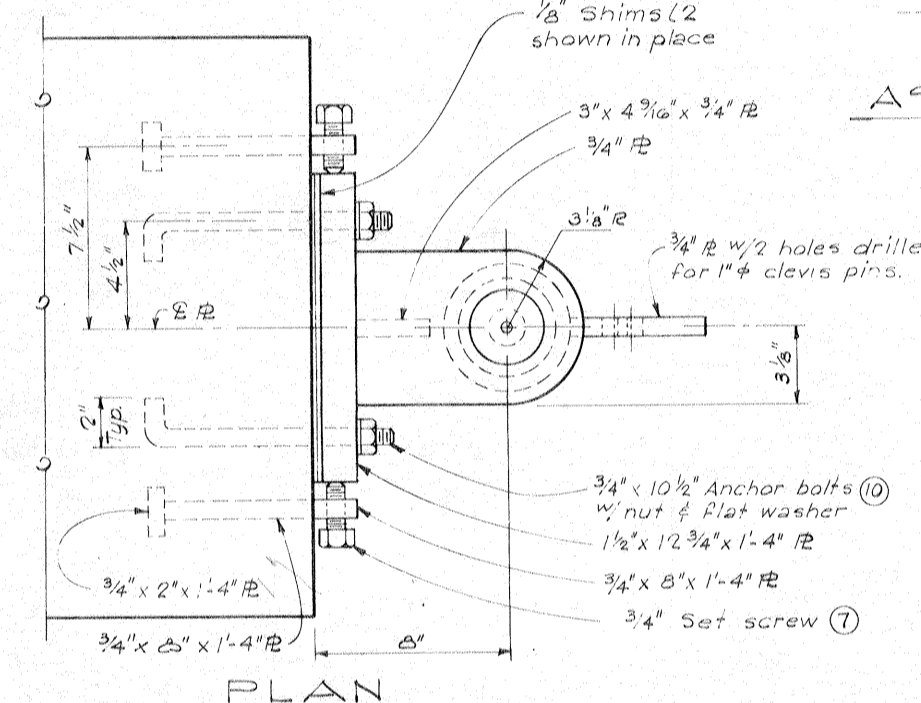
SECTION A-A



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

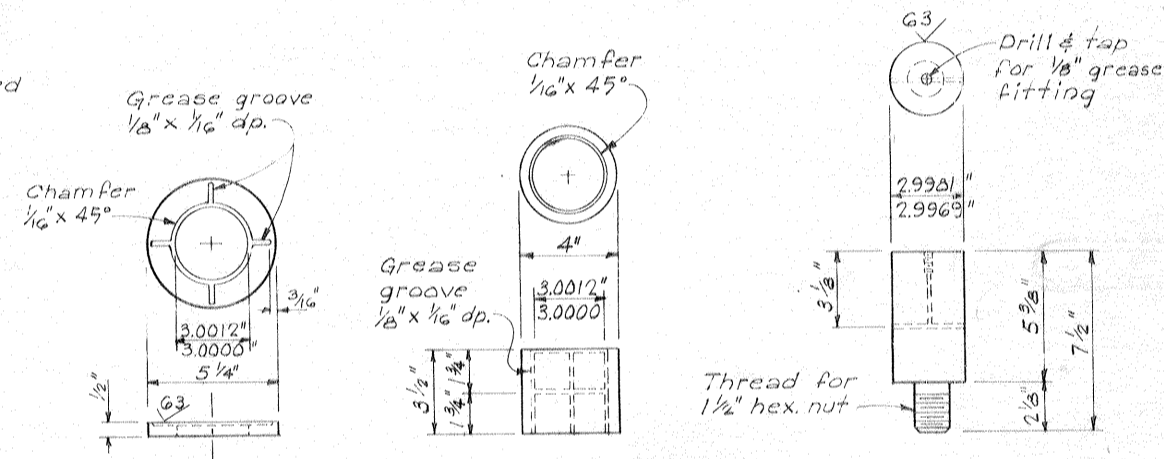


SECTION B-B
Scale: 1" = 1'-0"



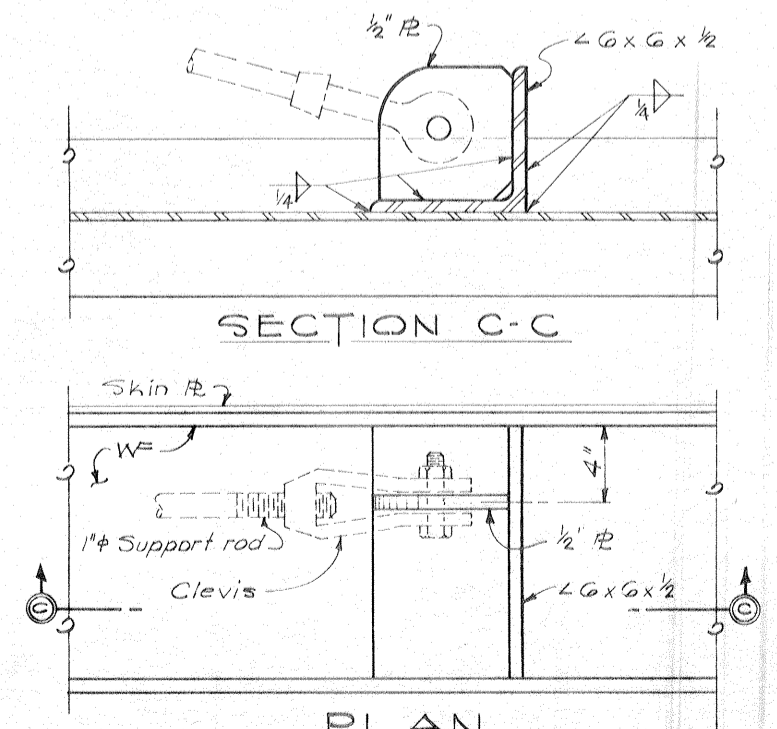
PLAN

ASSEMBLY



THRUST WASHER Mat'l: ASTM B22-G1, Alloy 'C'
BUSHING Mat'l: ASTM B22-G1, Alloy 'C'
BUSHING SHAFT Mat'l: ASTM A237-G7 or equal.

SUPPORT ROD HINGE
Scale: 3" = 1'-0"



PLAN
SUPPORT ROD ANCHOR
Scale: 3" = 1'-0"

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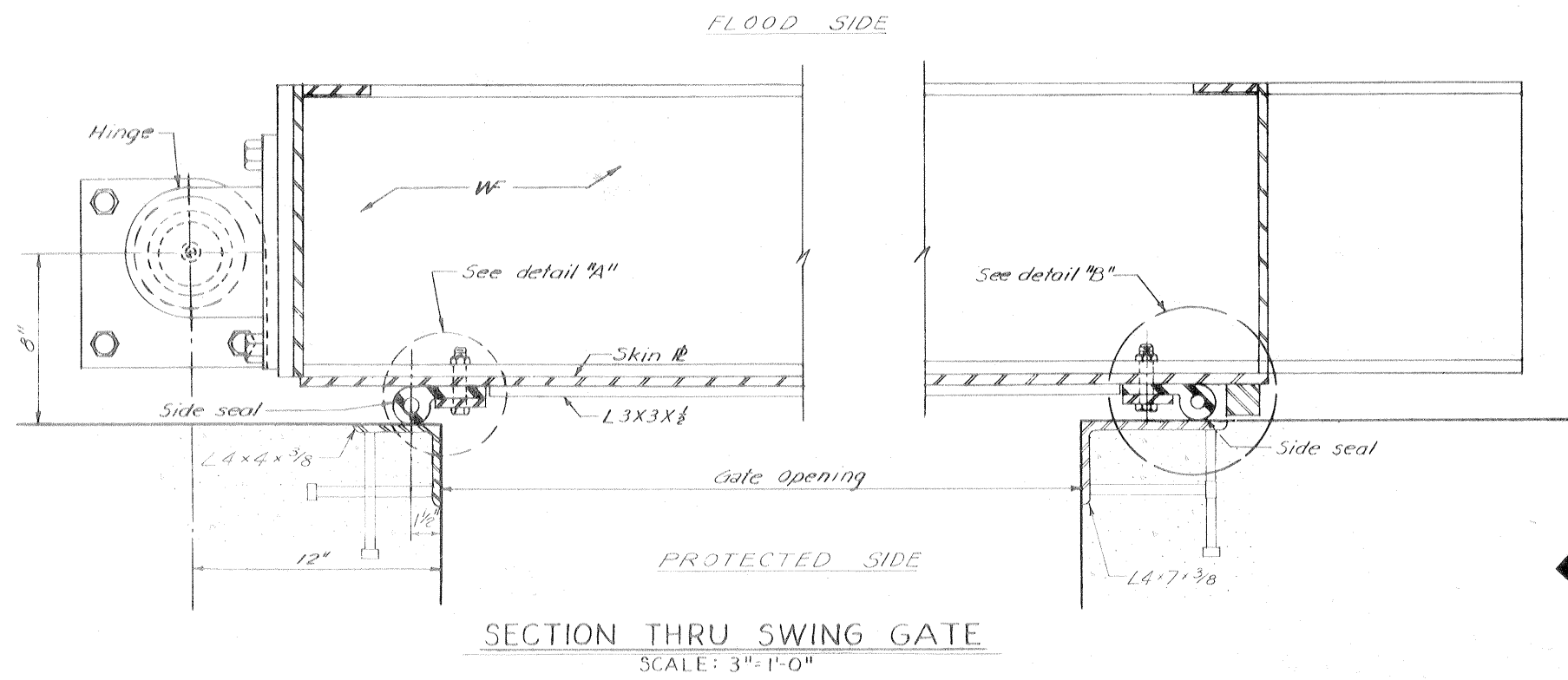
PARTS NOT DETAILED			
Mark No.	Quan.*	Description	Material
7	4	Set screw, hexagon socket 3/4"x1/2" class 3A, flat point	C.R.S.
10	4	Anchor bolt, 3/4"x10 1/2" w/nut & flat washer	struct. steel
12	1	Grease seal, Gerlock Standard Klozures No. 217G or equal	
13	1	Grease fitting, 1/8" NPT type.	Comm. grade
14	4 1/16"	Mechanical tubing, 5 1/4" O.D. x 4" I.D. machined for class G fit between I.D. of tubing & O.D. of bushing	AISI 1015

* Quantities shown for one gate only.

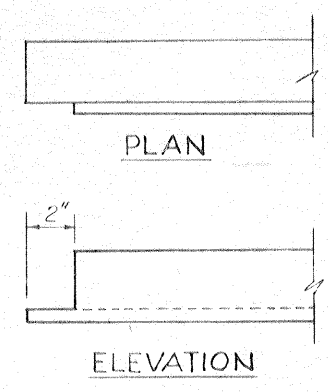
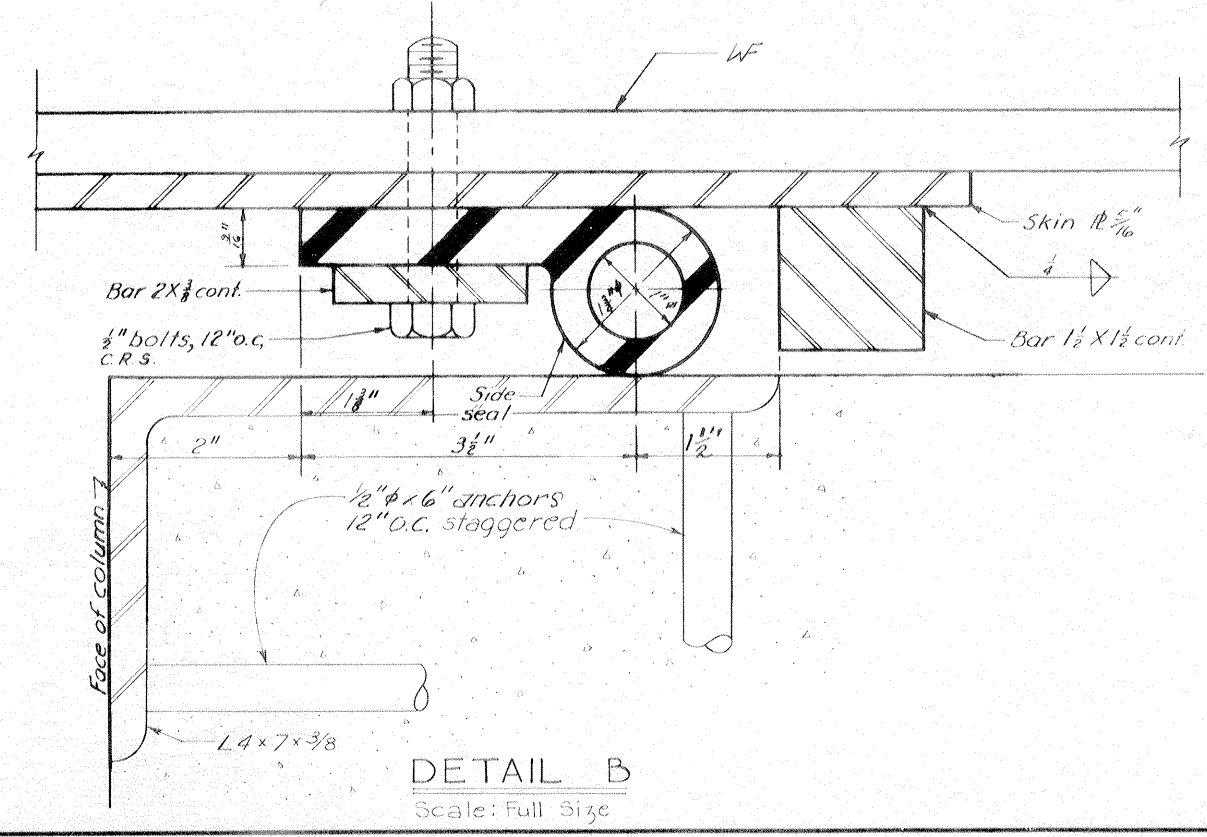
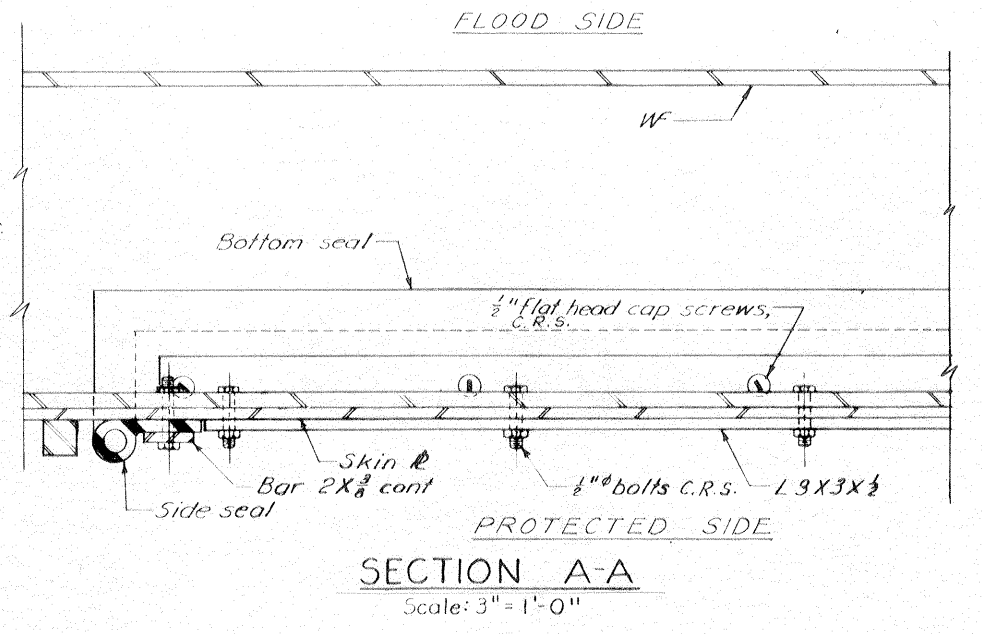
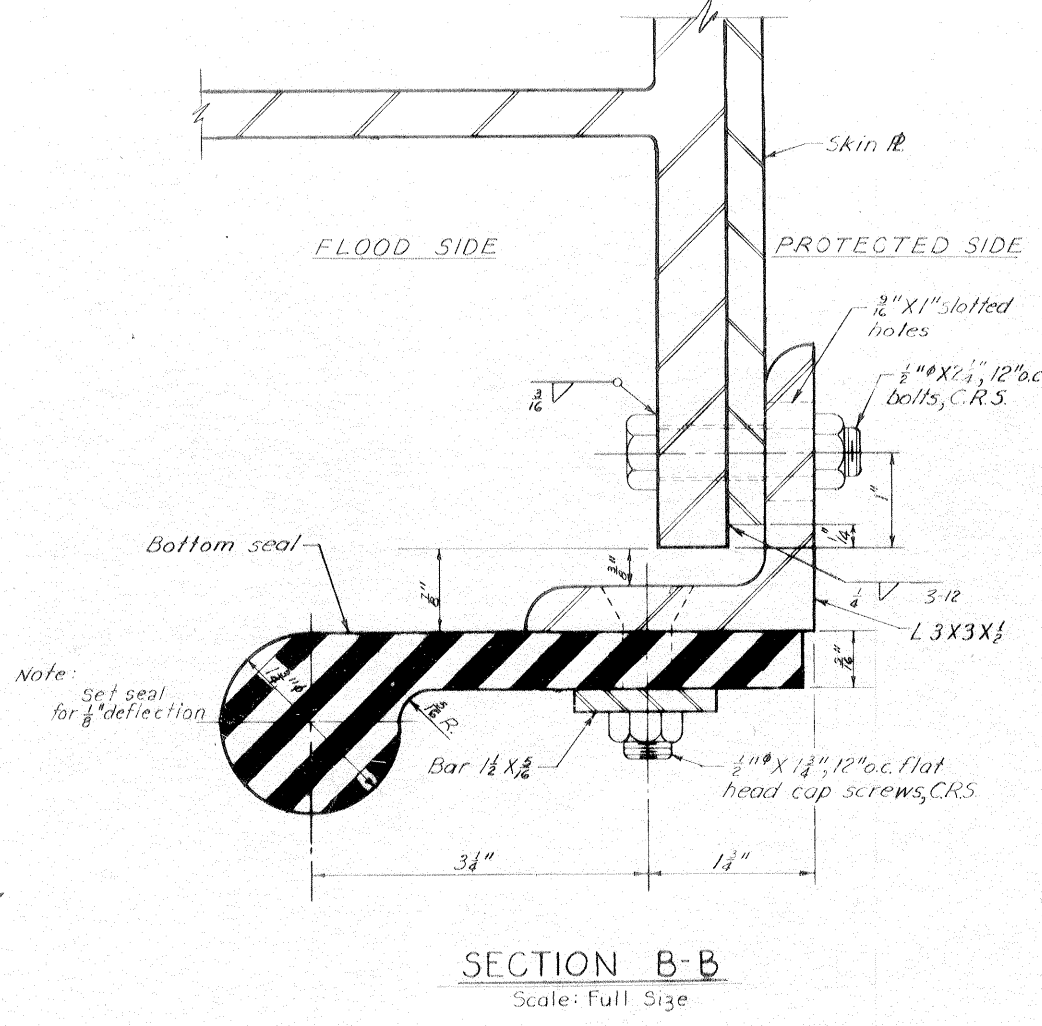
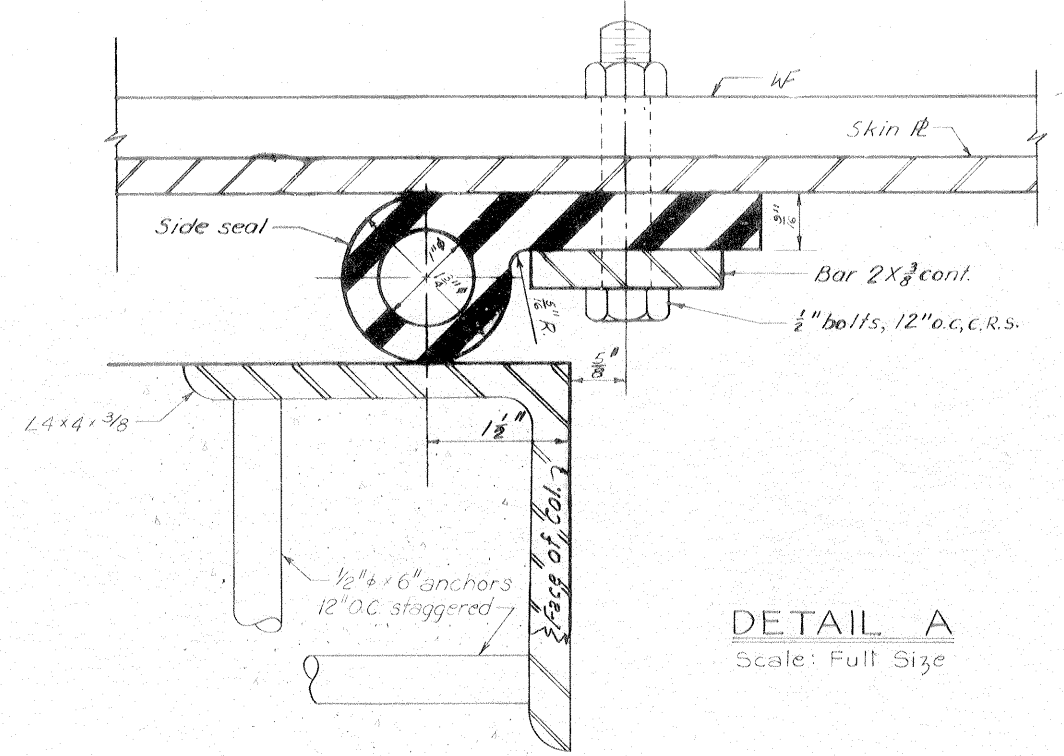
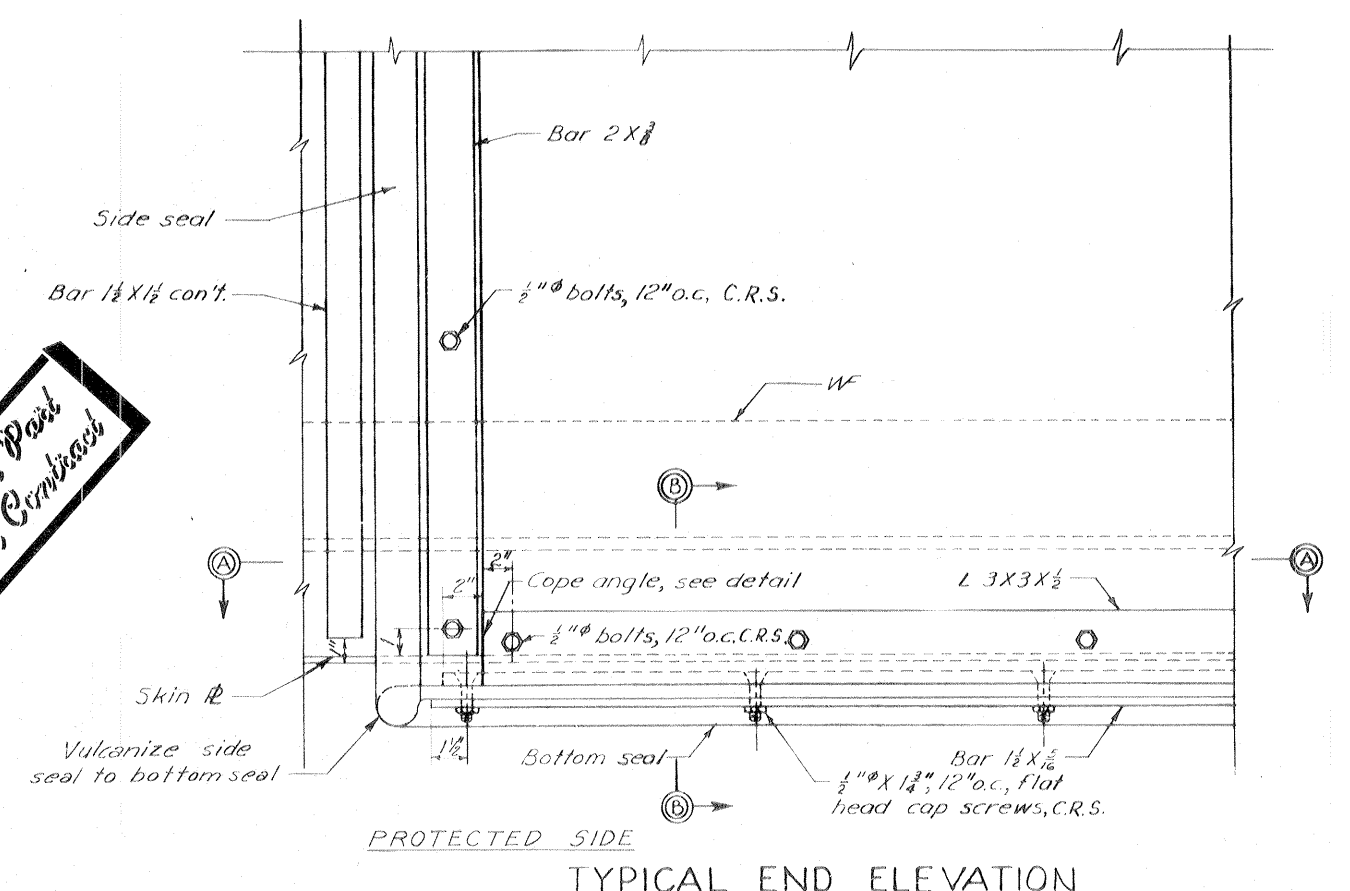
REVISION	DATE	DESCRIPTION	BY
6-11-71	ADDED NEW DRAWING	MODIFICATION POI	E.H.A.
DESIGNED: D.A.M.	DRAWN: G.O.C.	CHECKED: W.D.J.	CODE IDENT. NO. SIZE FILE NO.
			H-4-24692
DATE: JUNE 1971	SCALE: SHOWN	SPEC. NO. DACW89-70-8-0126	DWG. 41A of 47

SWING GATES-HINGE DETAILS
AS CONSTRUCTED

INHC, WEST LEVEE-U. S. HWY. 90 TO ALMONASTER AVE.

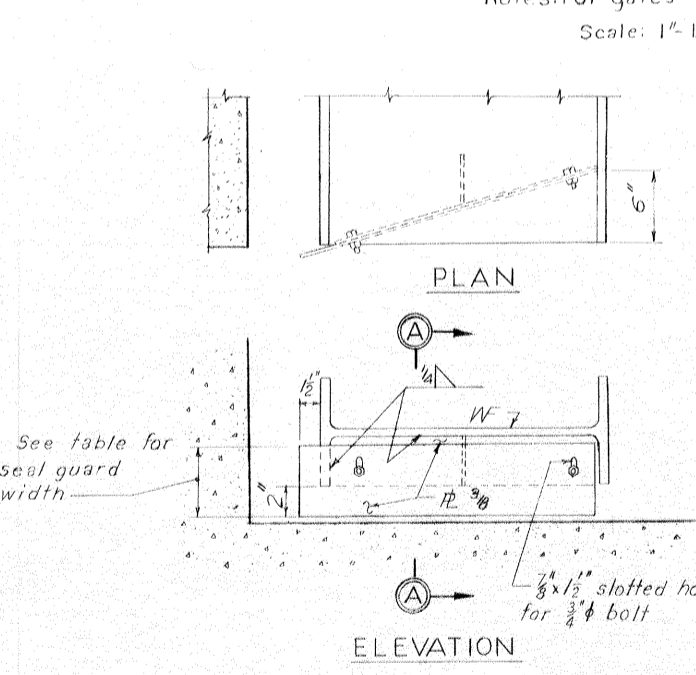
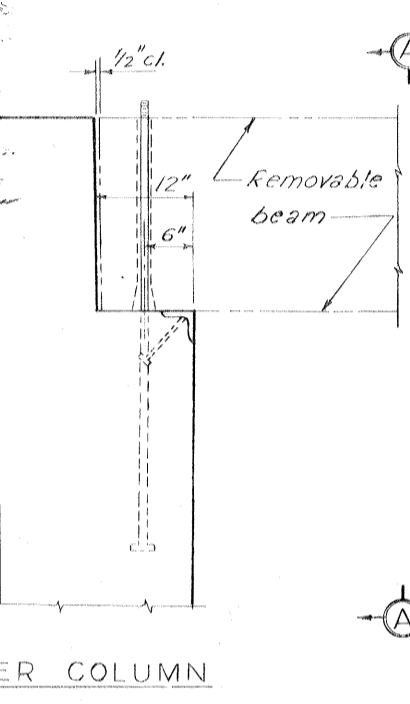
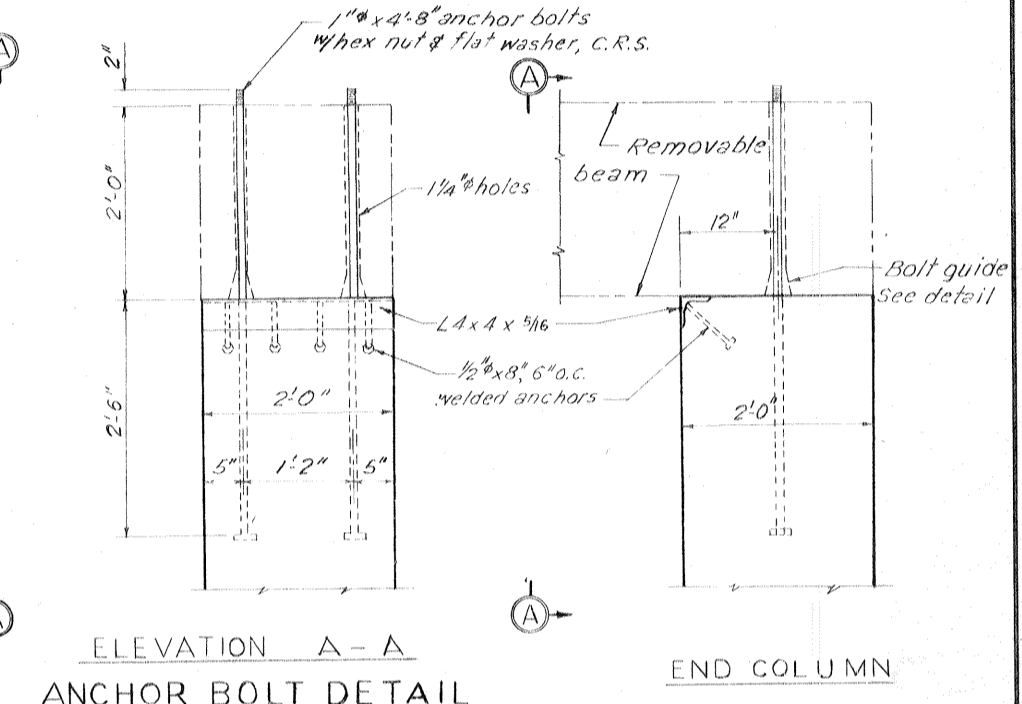
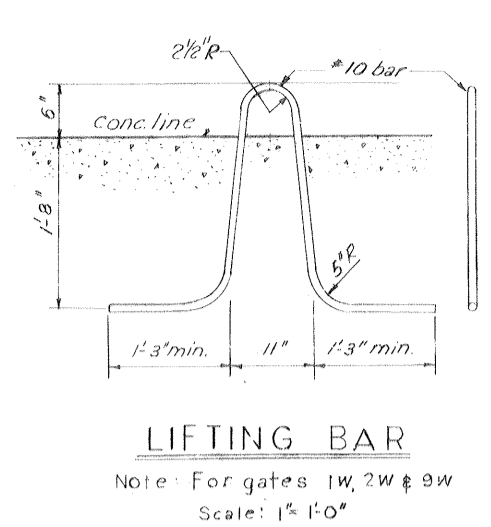
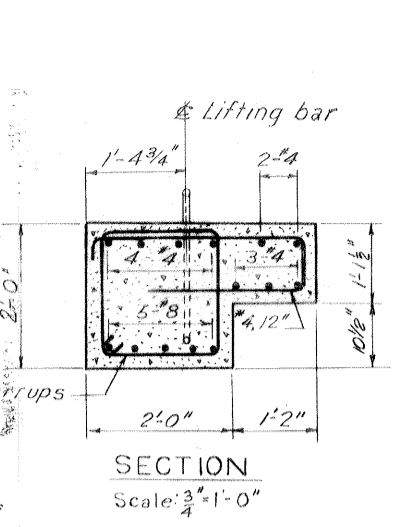
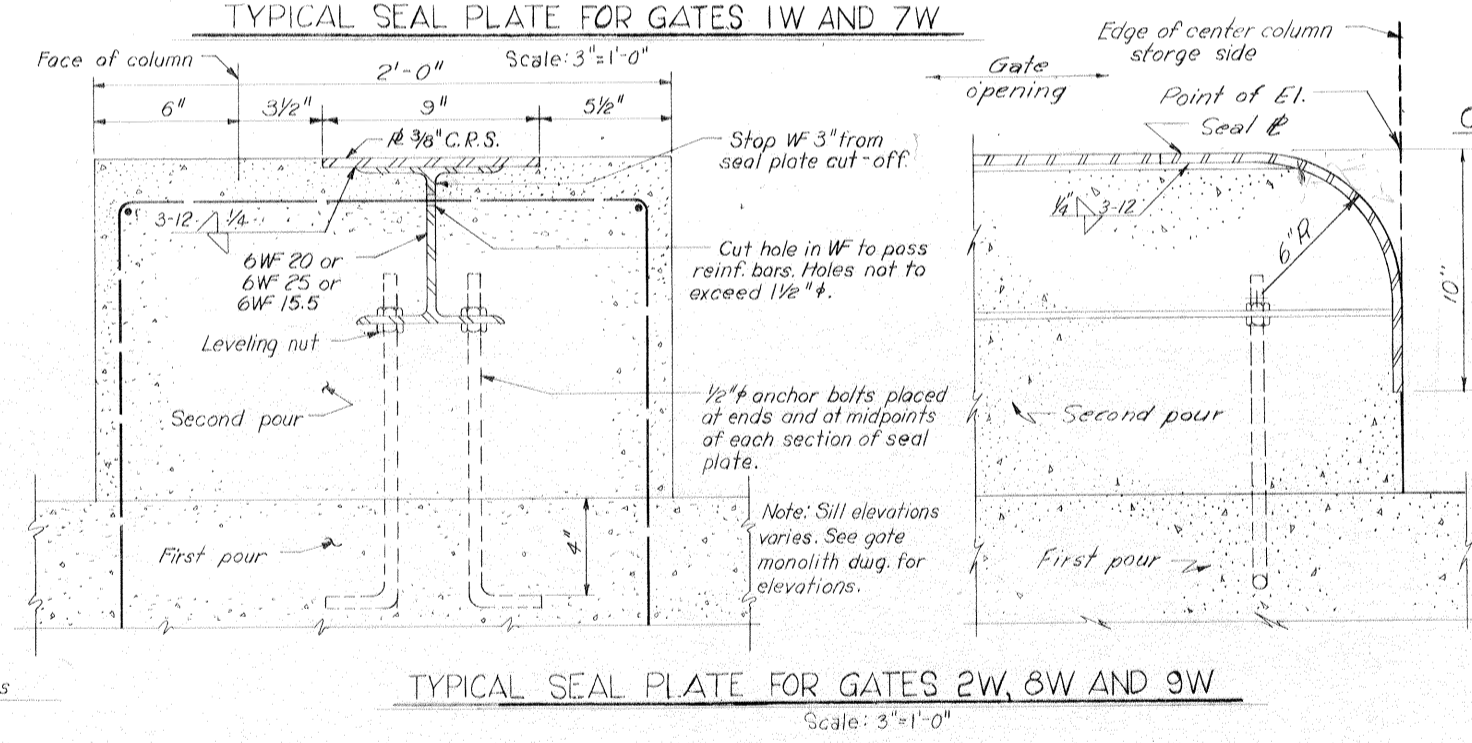
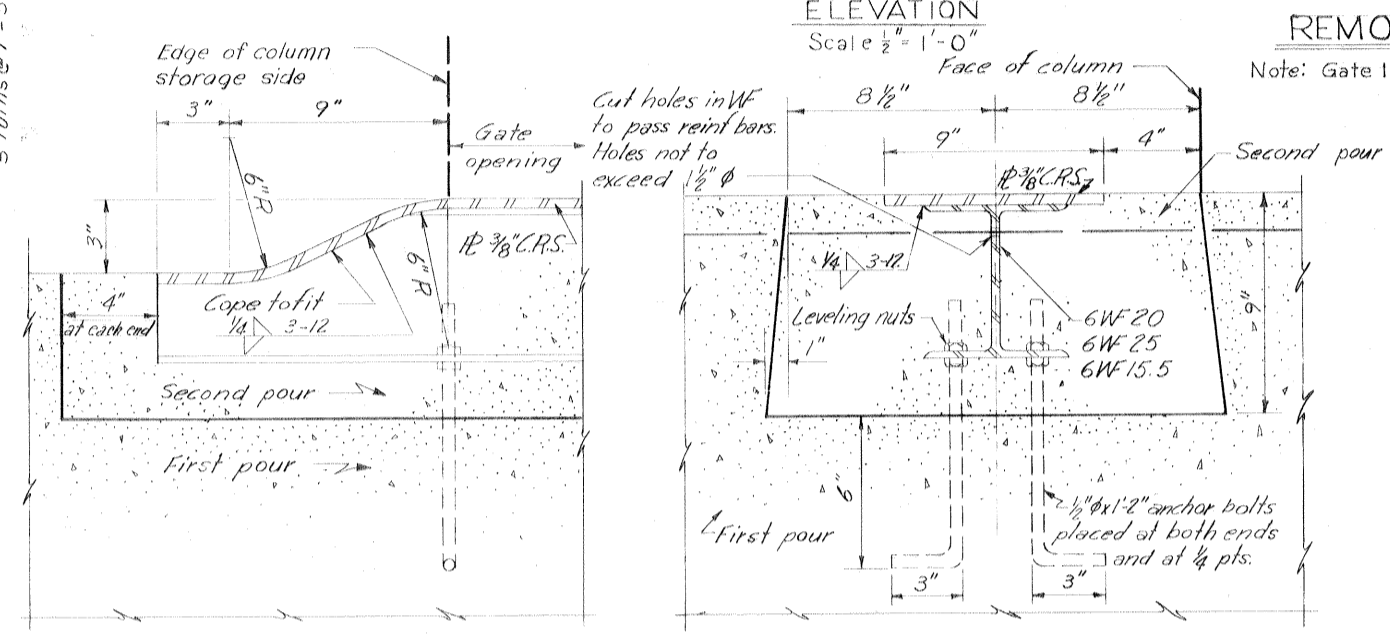
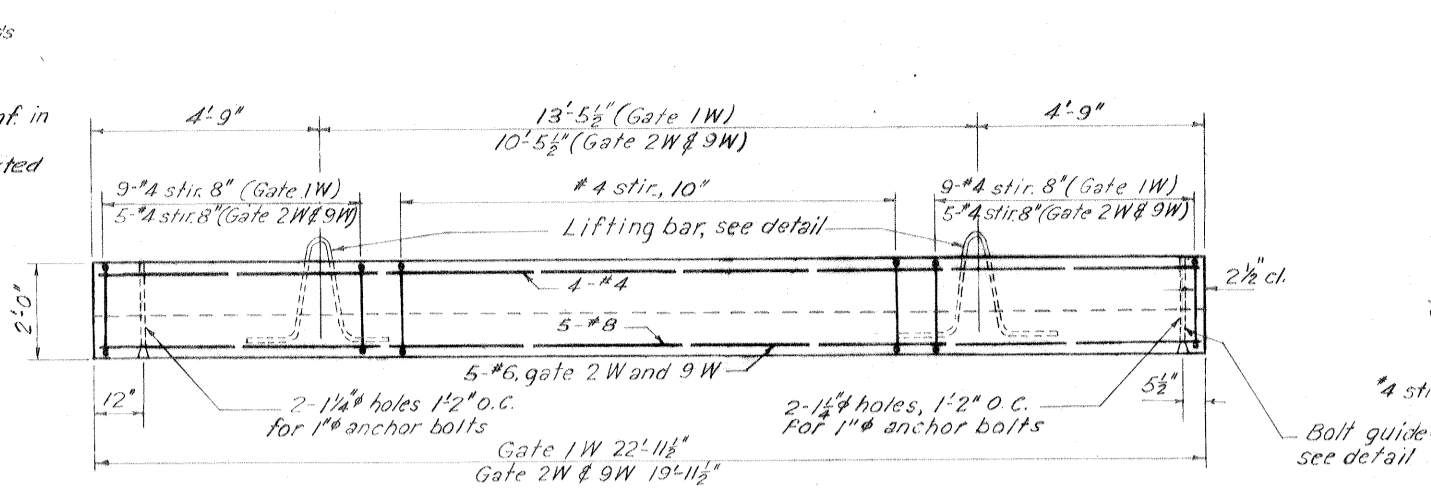
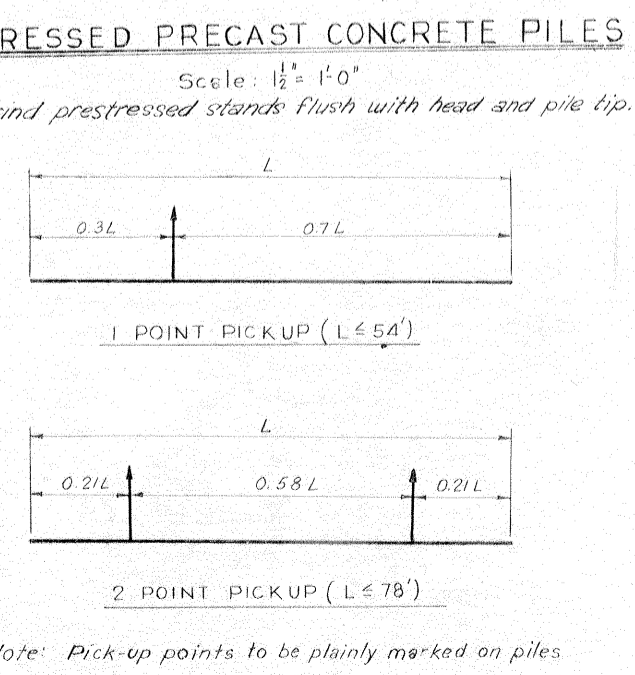
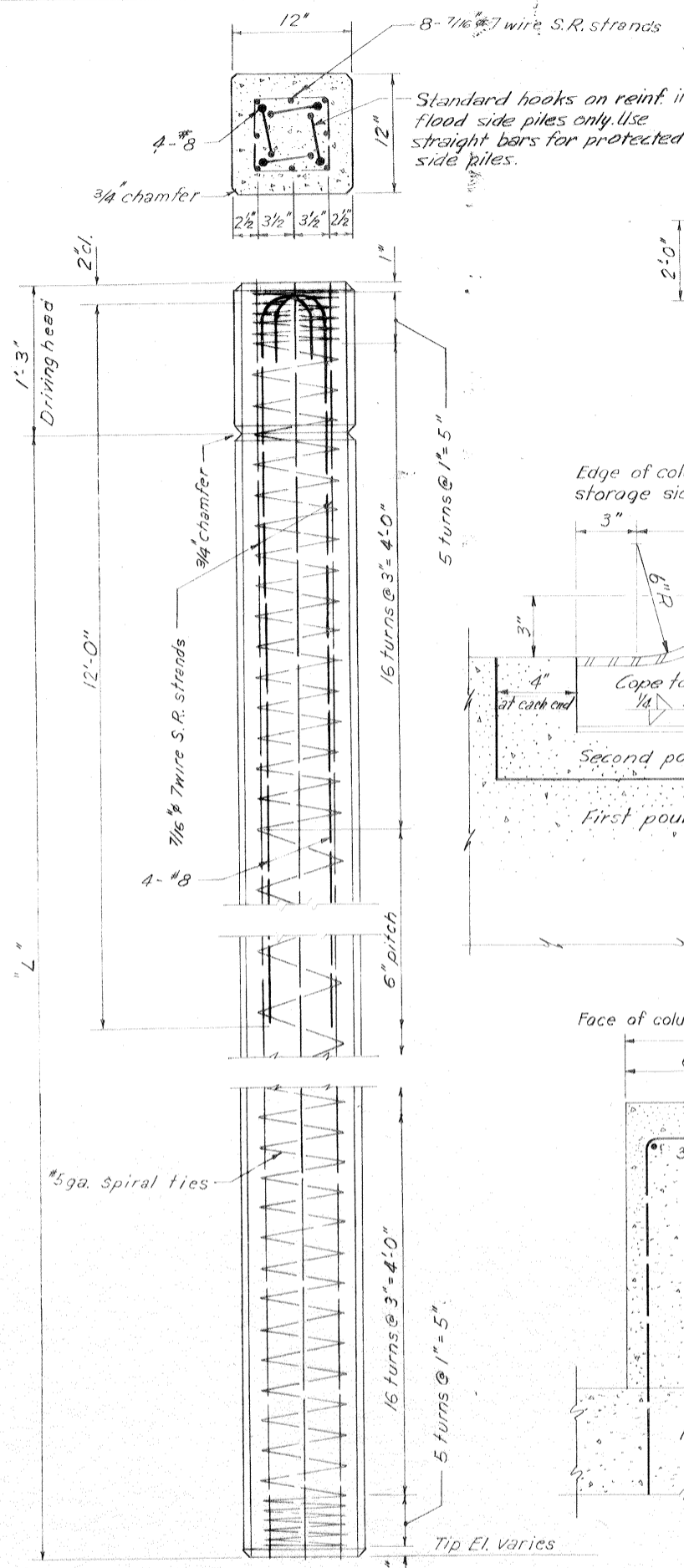


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END OF L 3X3X 1/2
Scale: 3"=1'-0"

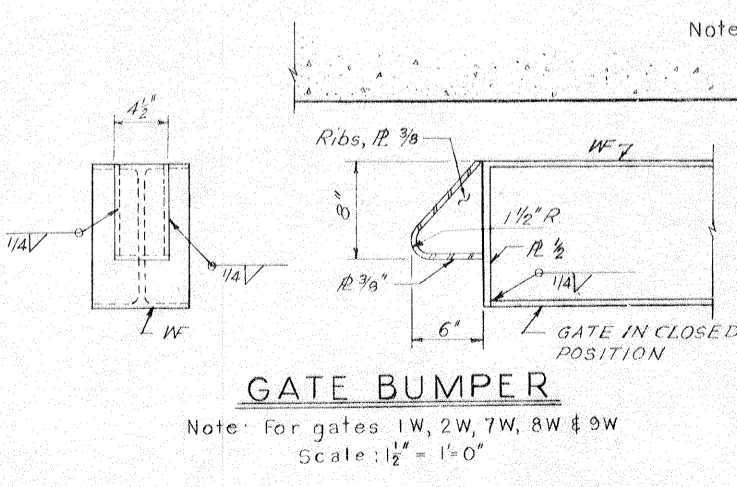
Note: For general notes, see dwg 2. Paint all four sides of bars that hold rubber seals prior to final installation.



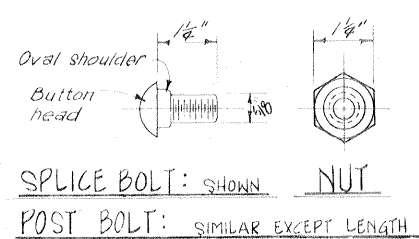
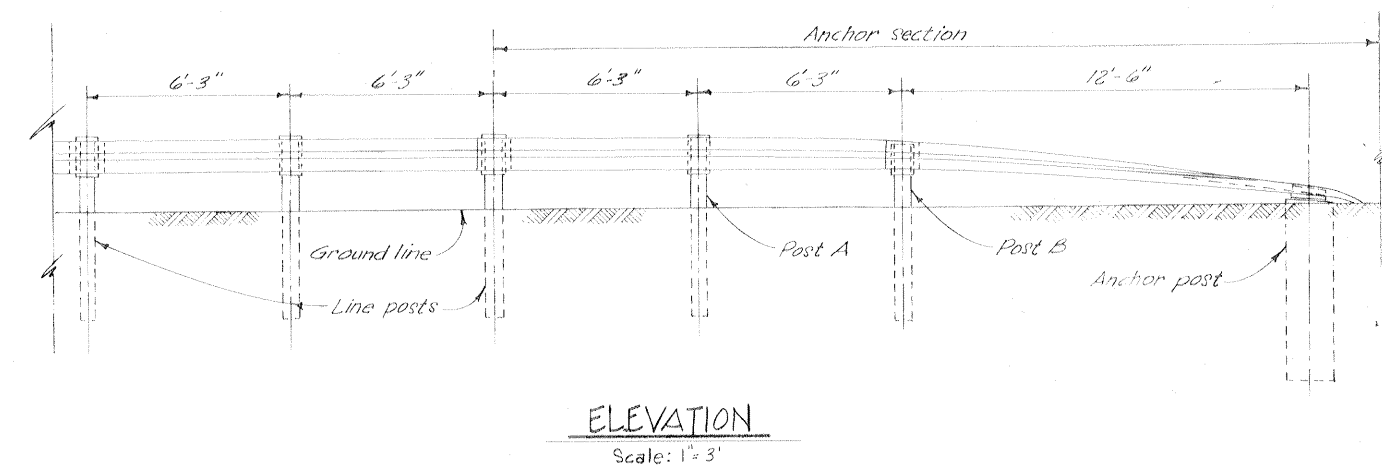
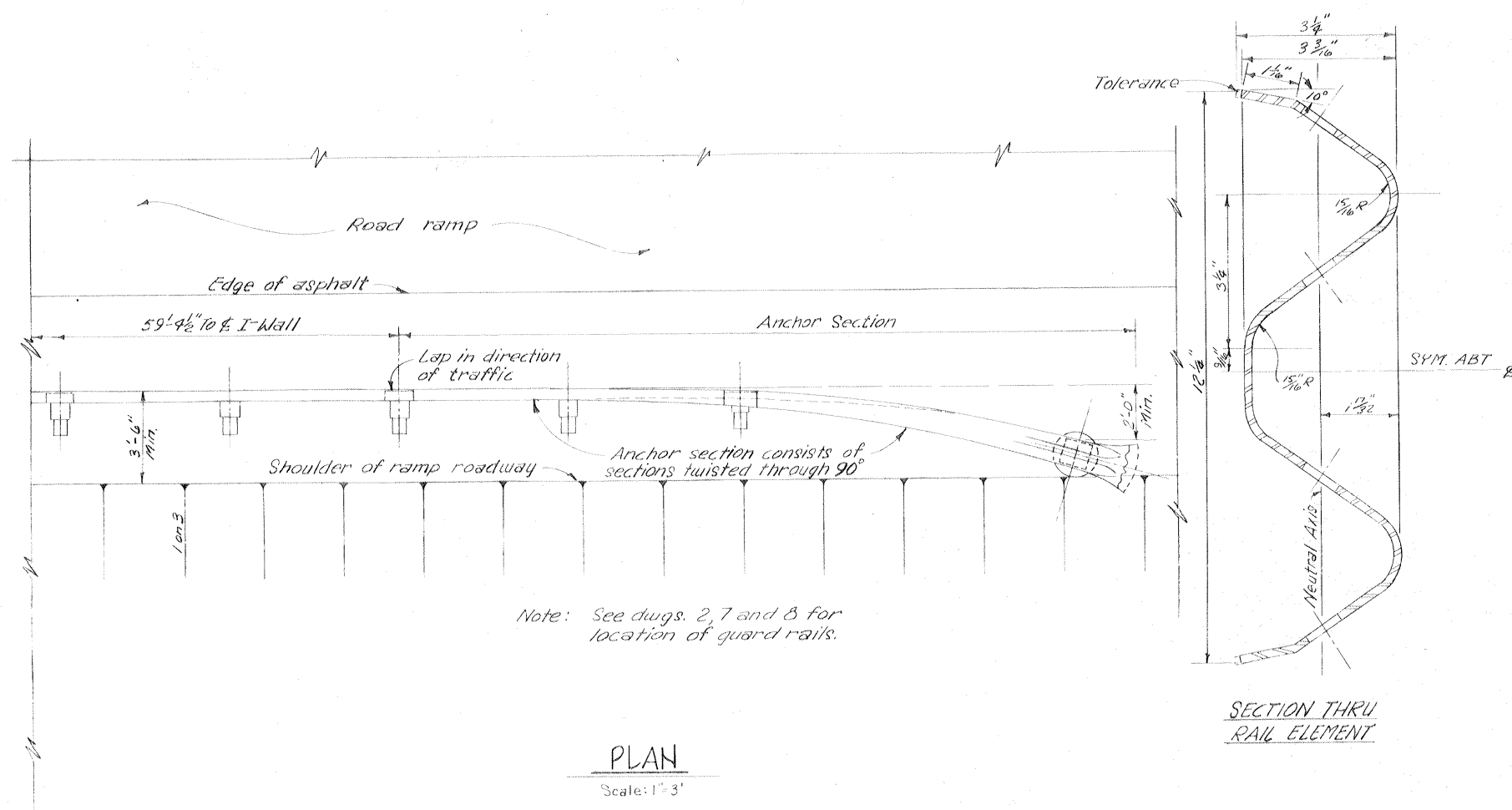
SEAL GUARD

GATE NO.	WIDTH
1W	5 1/2"
2W	5 1/2"
7W	5 1/2"
8W	5 1/2"
9W	5 1/2"

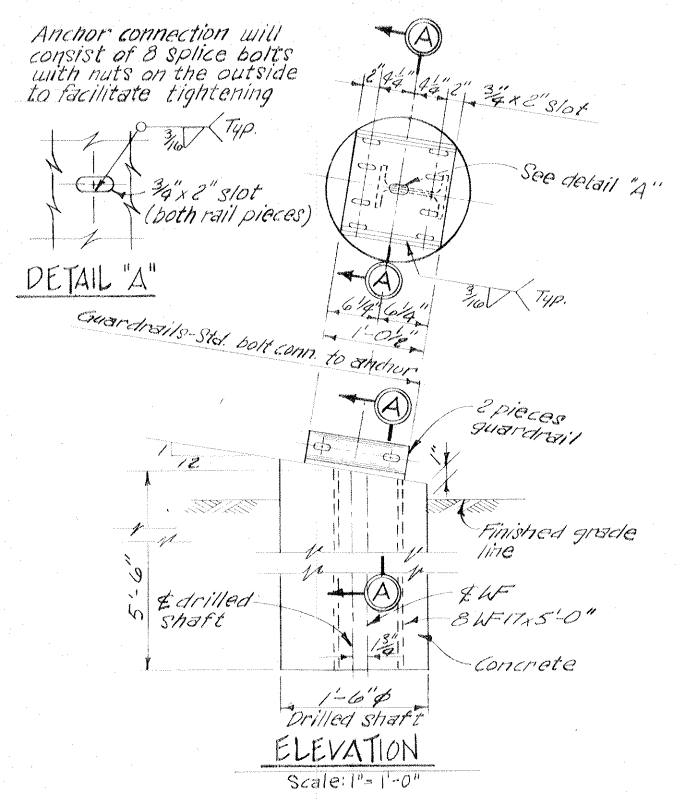
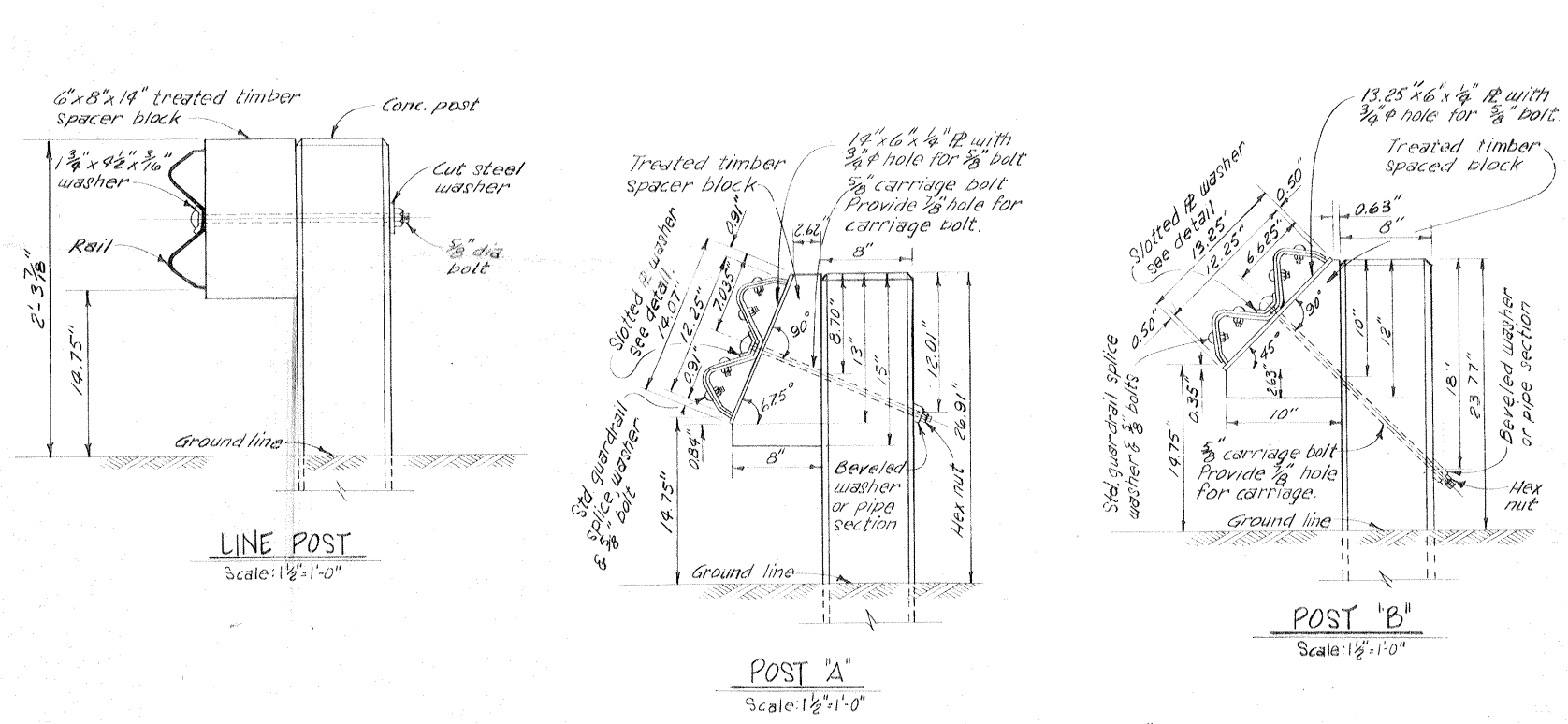
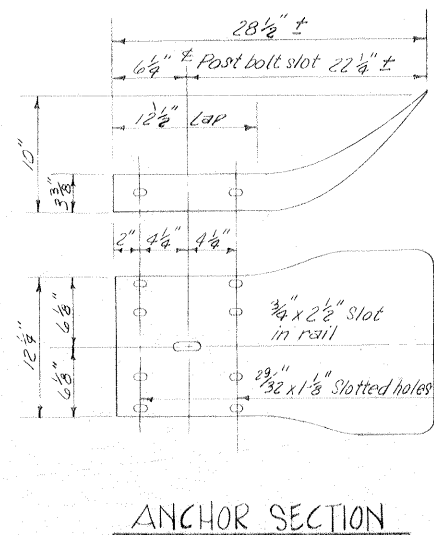
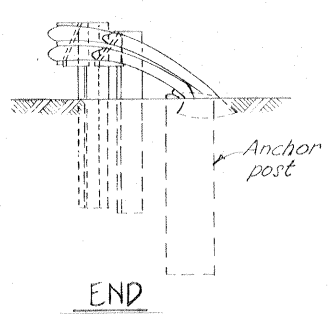
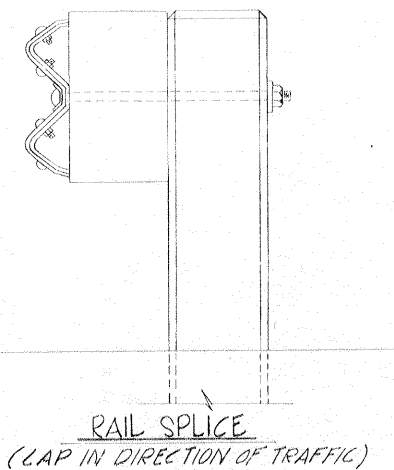
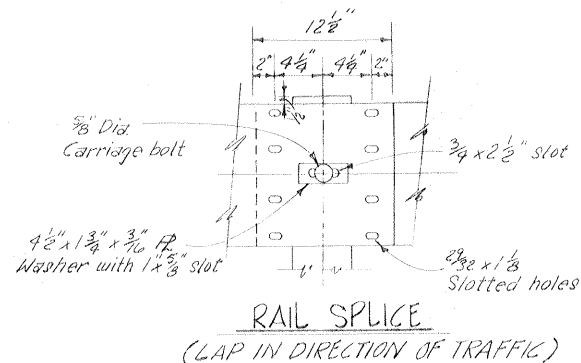
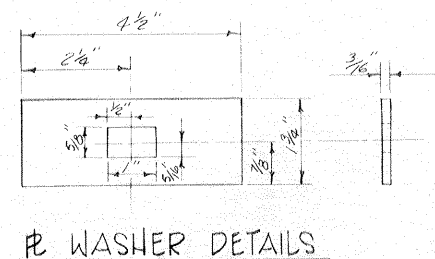
Note: Seal guard on forward end of gates only.



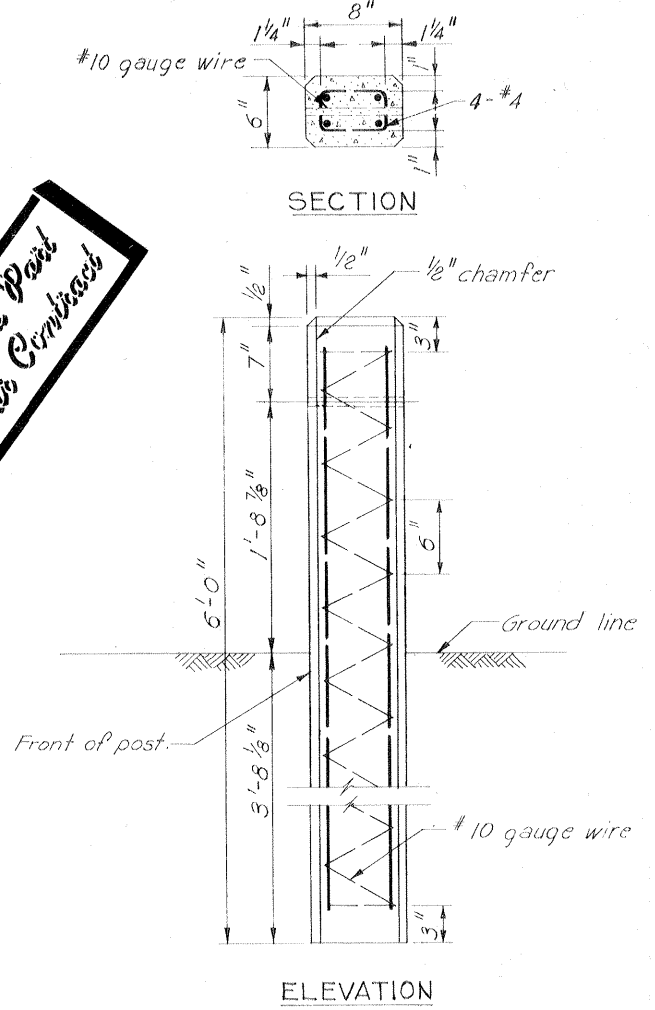
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NOTE: Bolts shall be of sufficient length to extend through the full thickness of the nut and no more than 3/8" beyond it. Rectangular washers as indicated will be used.



Safety is a Part of Your Contract



Note: See Post A and B for different hole location.

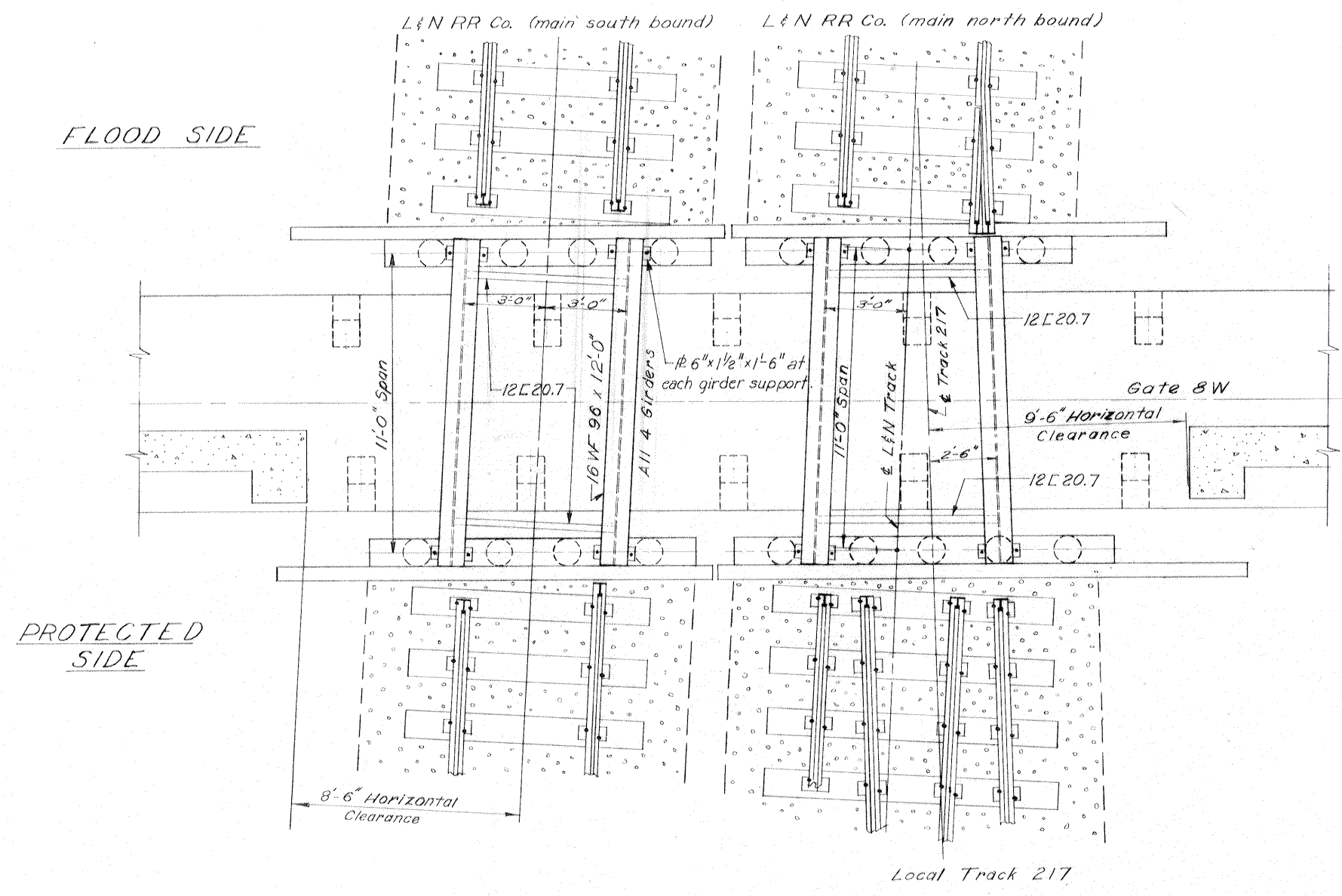
Note: For general notes, see dug. 2. Guardrail shall be 10 gauge steel, hot dipped galvanized.

AS CONSTRUCTED

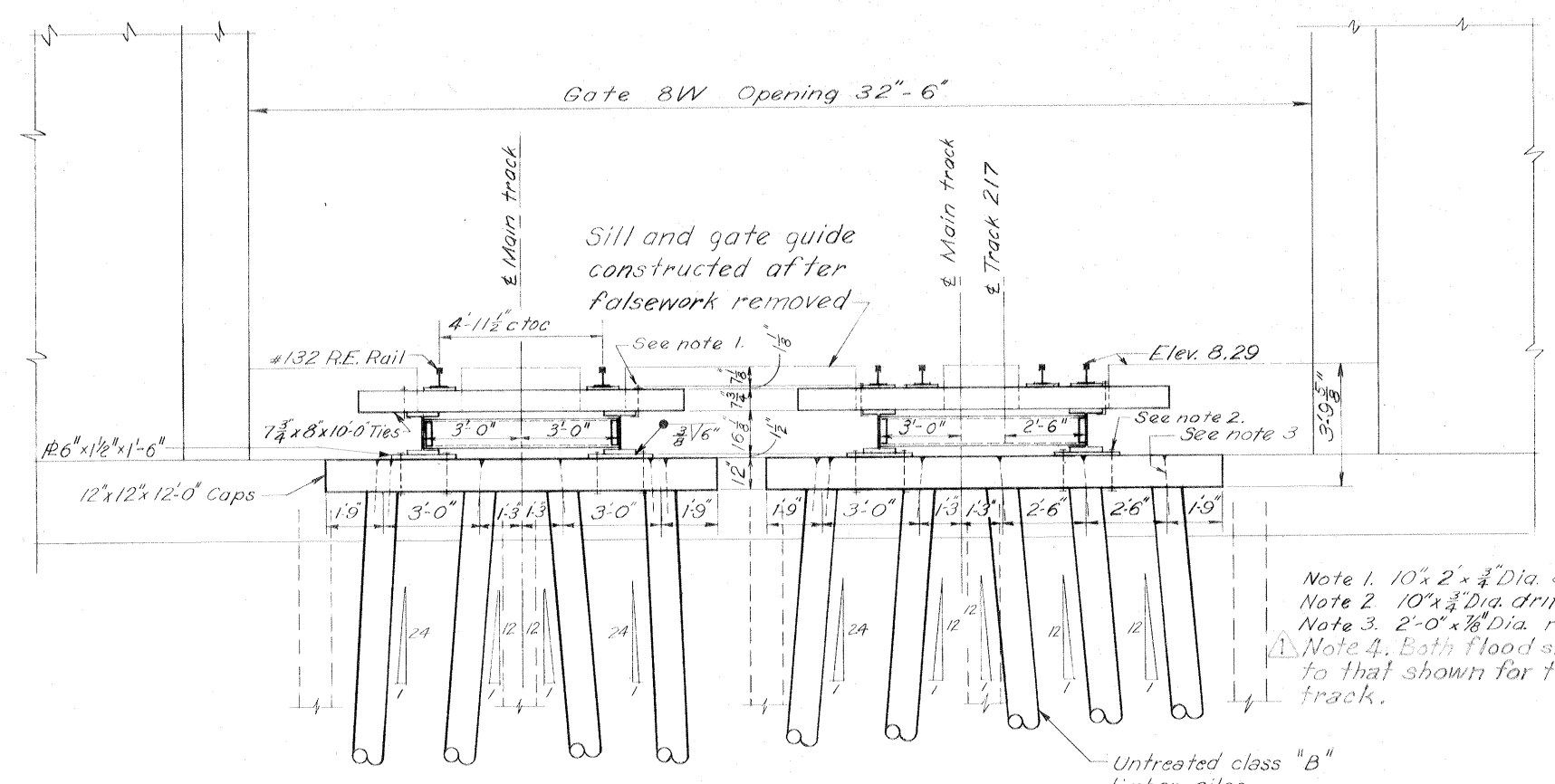
GUARDRAIL DETAILS

AS CONSTRUCTED

REVISION	DATE	CHECKED	CODE IDENT. NO.	SIZE	FILE NO.
DESIGNED: W.E.T.	DATE: MARCH 1970	DRAWN: A.M.	CHECKED: E. J. M.	SCALE: SHOWN	FILE NO: H-24-24692



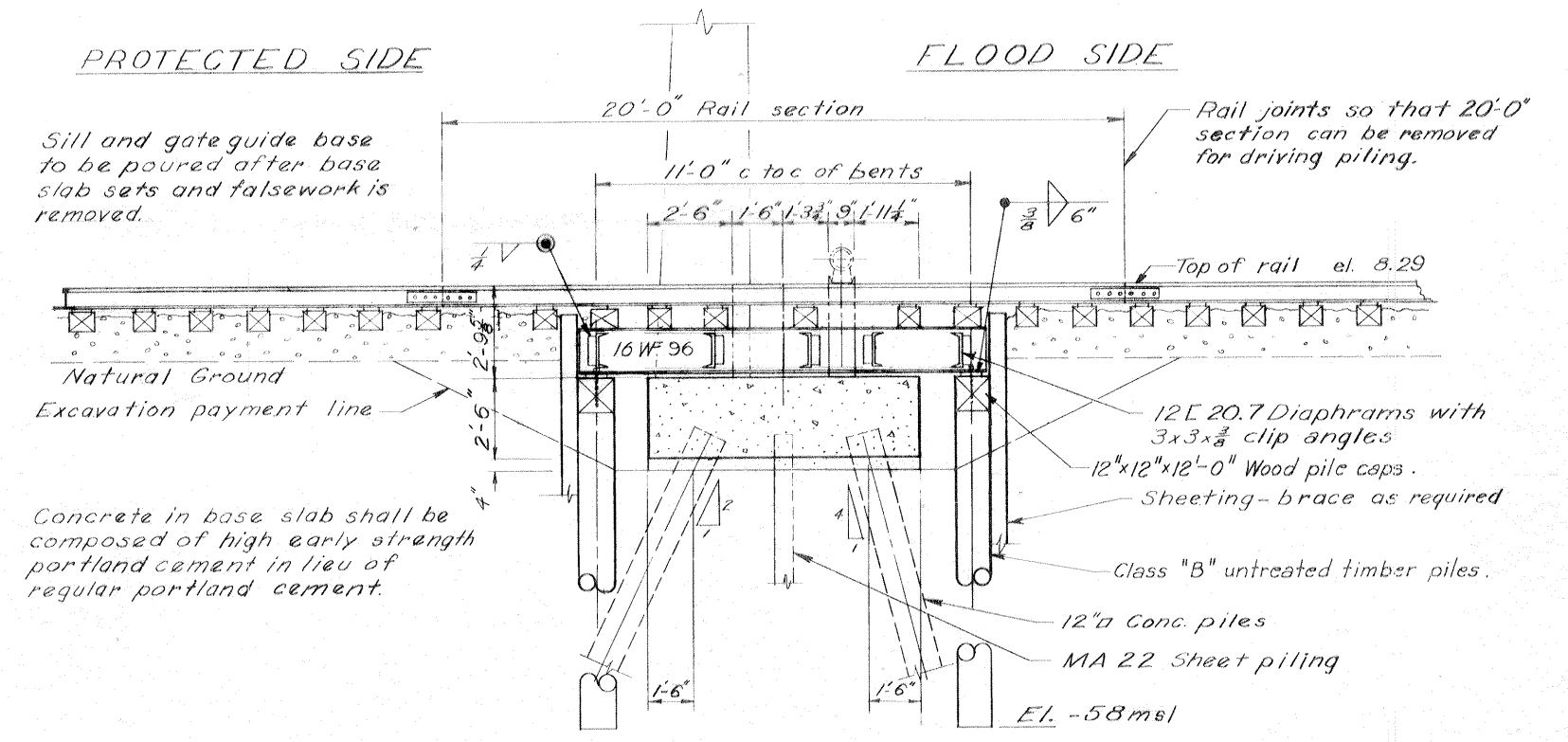
PLAN-FALSEWORK SPAN



ELEVATION-FALSEWORK BENTS

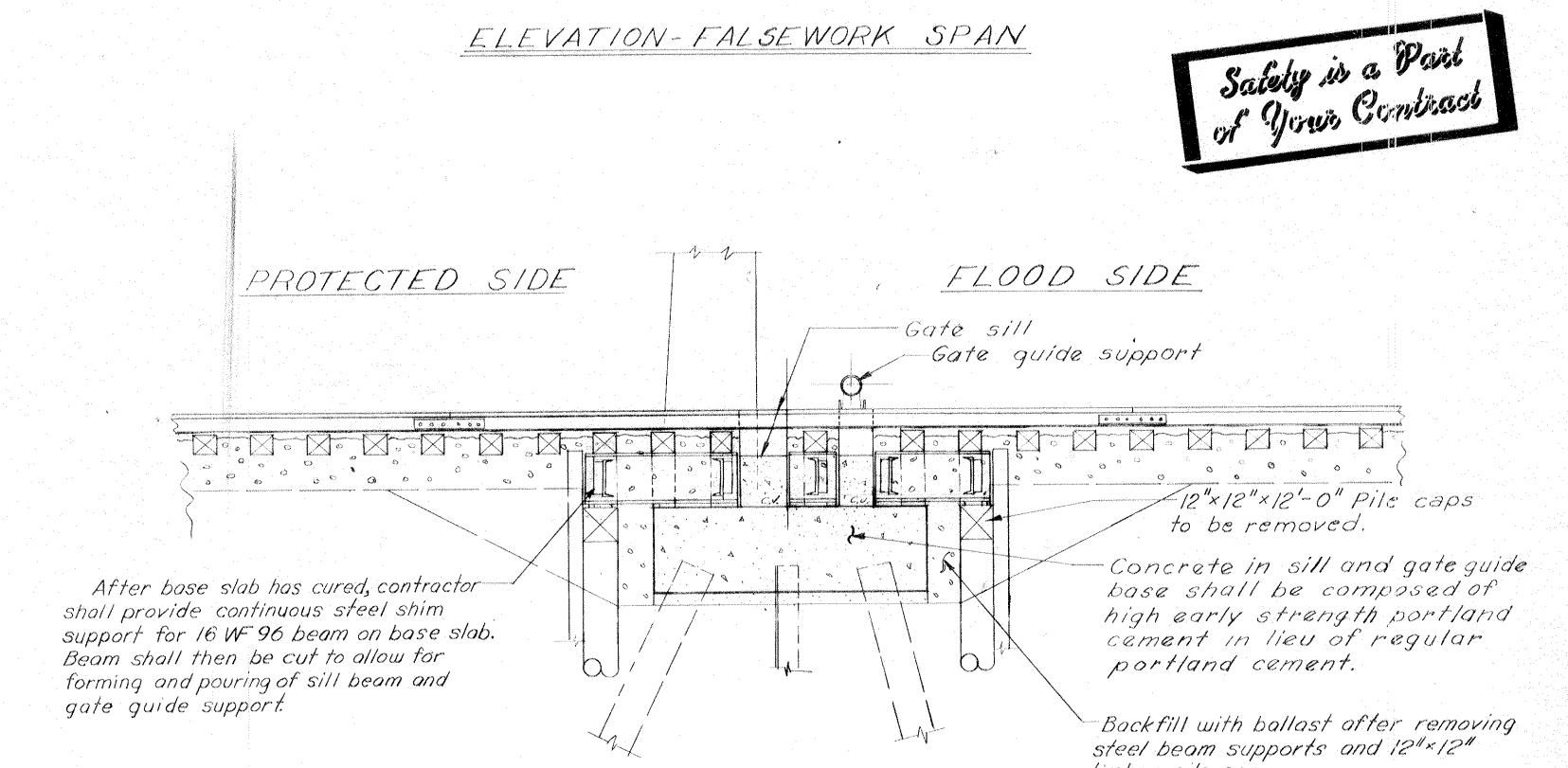
- Note 1. 10" x 2" x 3/4" Dia anchor bolts threaded 2"
- Note 2. 10" x 3/4" Dia drift bolt w/oval countersunk head and wedge point
- Note 3. 2'-0" x 3/8" Dia round edge rt. countersunk hd. drift bolts.
- Note 4. Both flood side falsework bents (A pile bents) are similar to that shown for the protected side bent on the main southbound track.

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



ELEVATION-FALSEWORK SPAN

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ELEVATION-FALSEWORK REMOVED

Note:
For general notes, see dwg. 2.
For gate monolith dwg. of 8W, see dwg. 25.

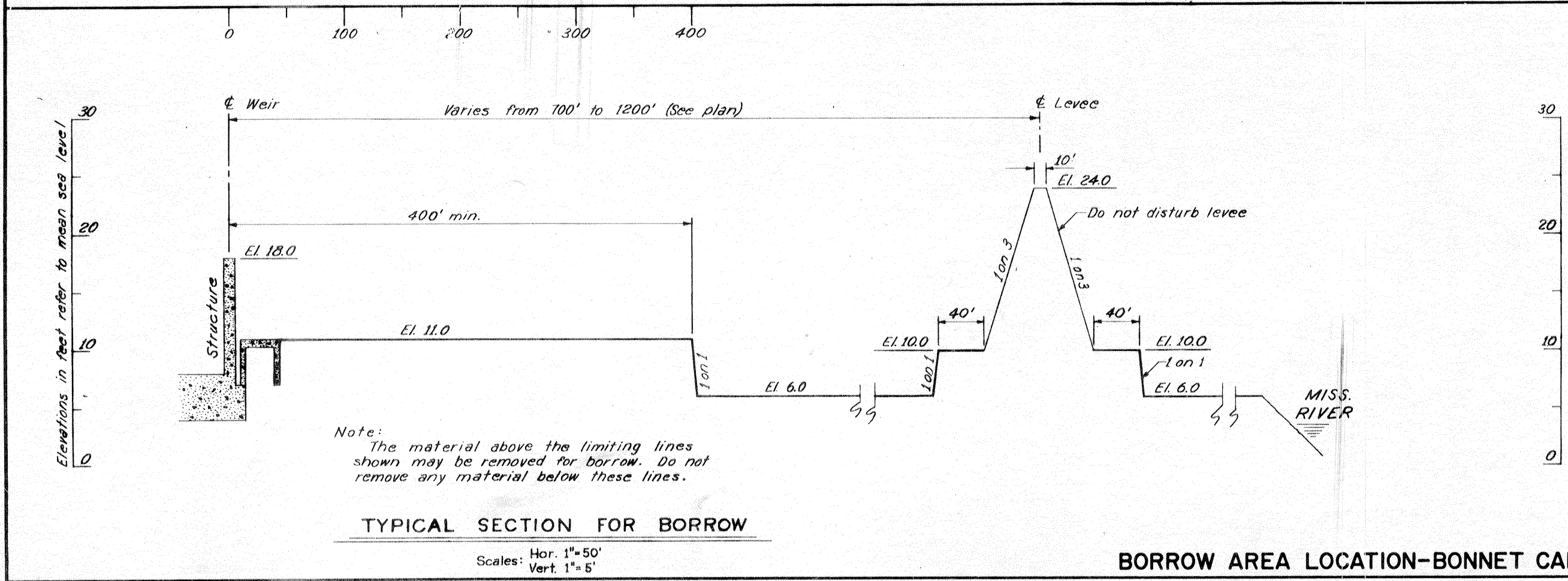
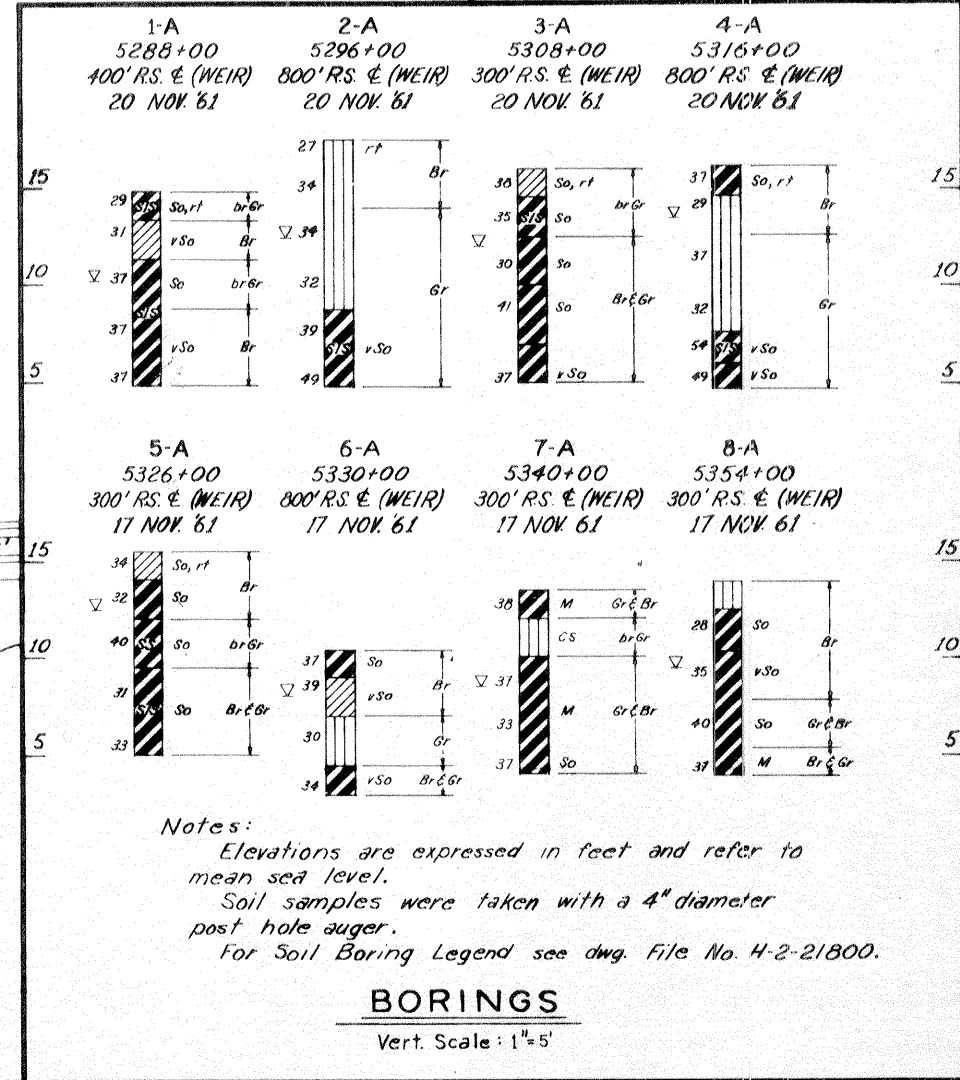
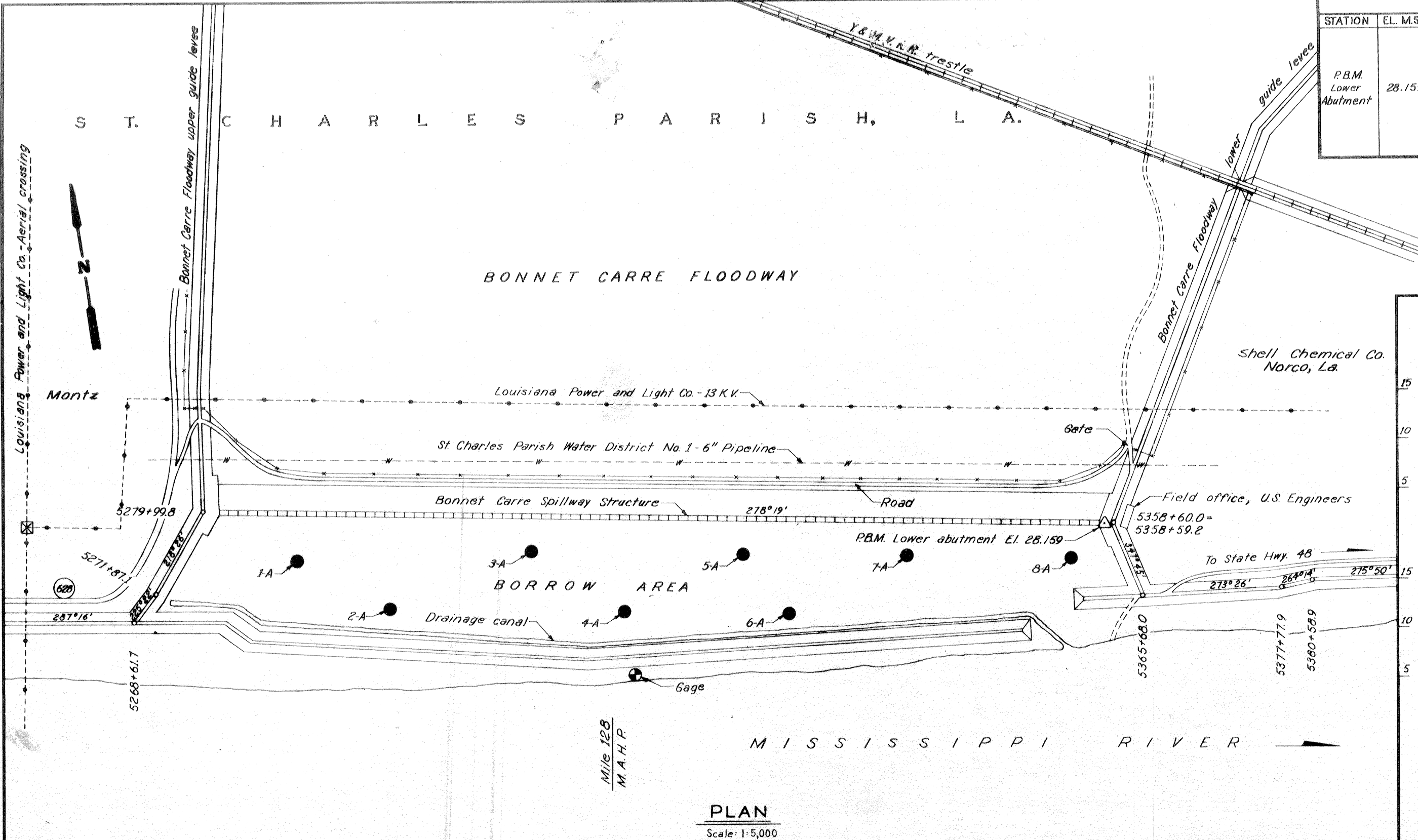
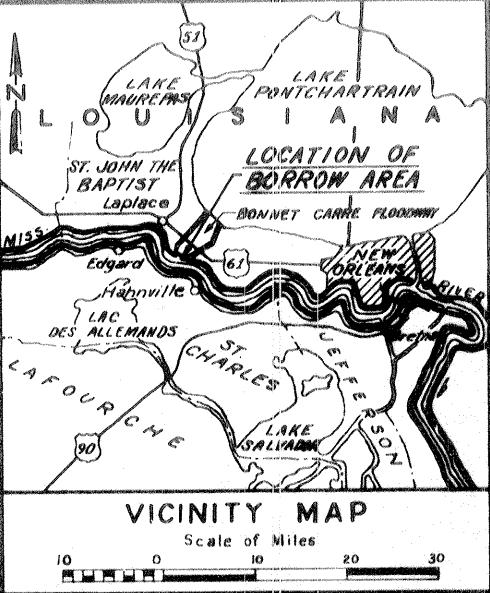
R.R. FALSEWORK - GATE 8W
AS CONSTRUCTED

DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.:	SIZE:	FILE NO.:	BY:
E.J.M.	E.J.M.	D.A.M.				
DATE: MARCH 1970						SCALE: SHOWN
SPEC. NO. DACW28-70-B-0126						DWG. 45 OF 47
3-24-70 Added note #4 to Elevation-Falsework Bents, Amend #1						A.E.F.
H-4-24692						

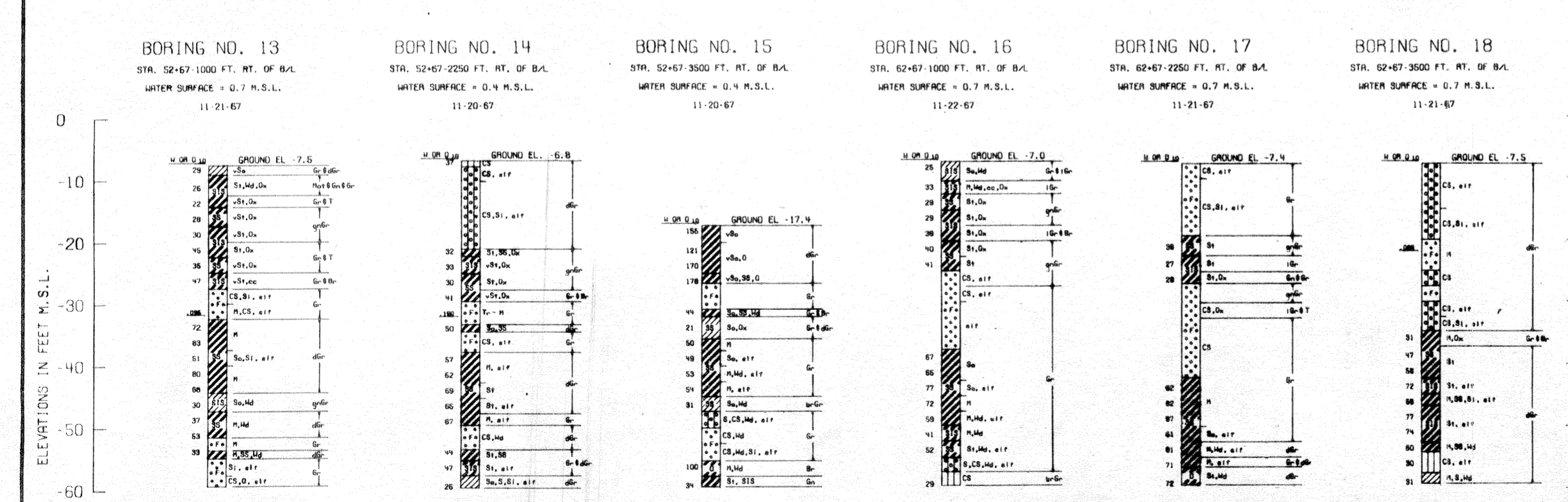
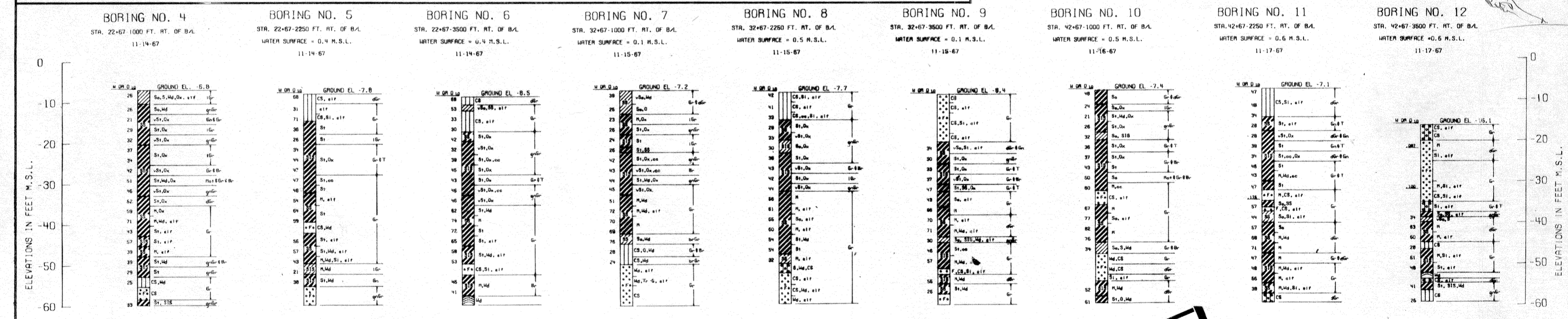
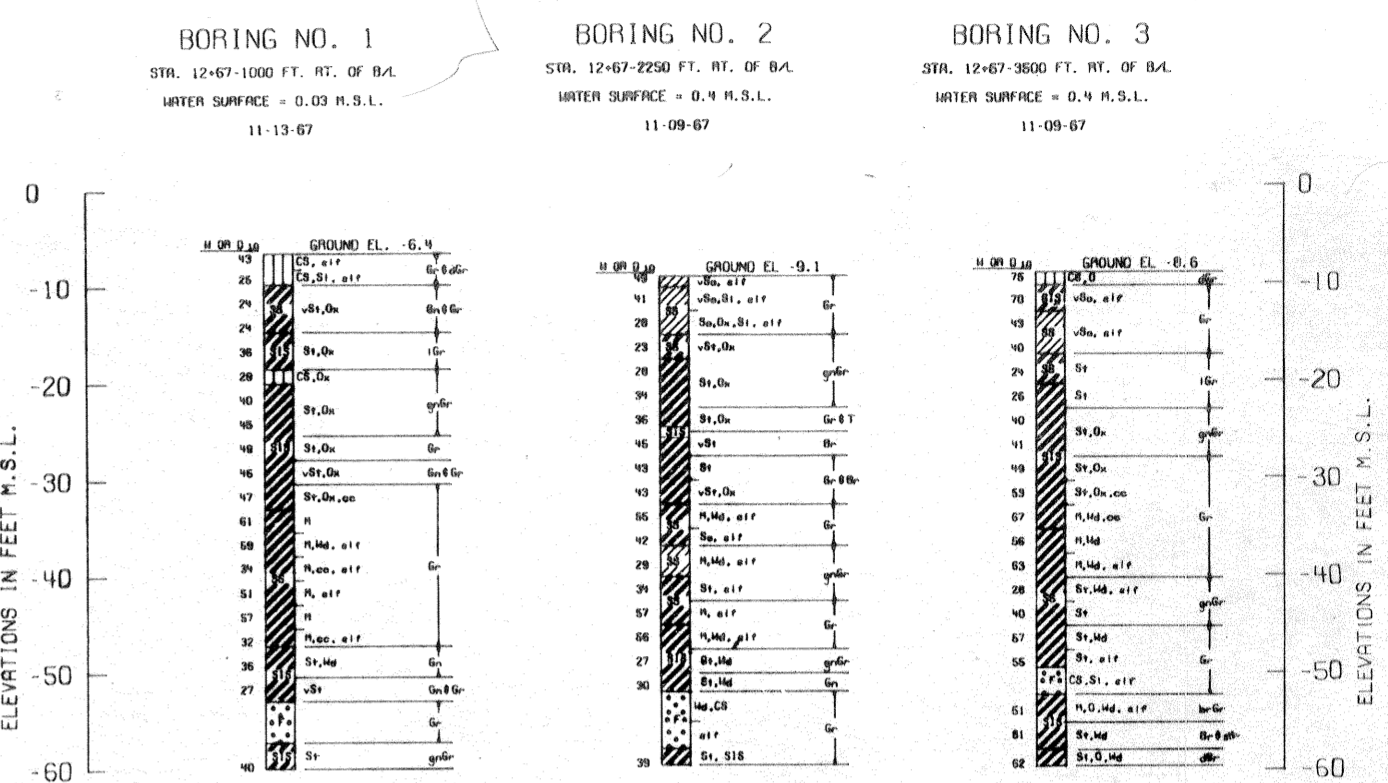
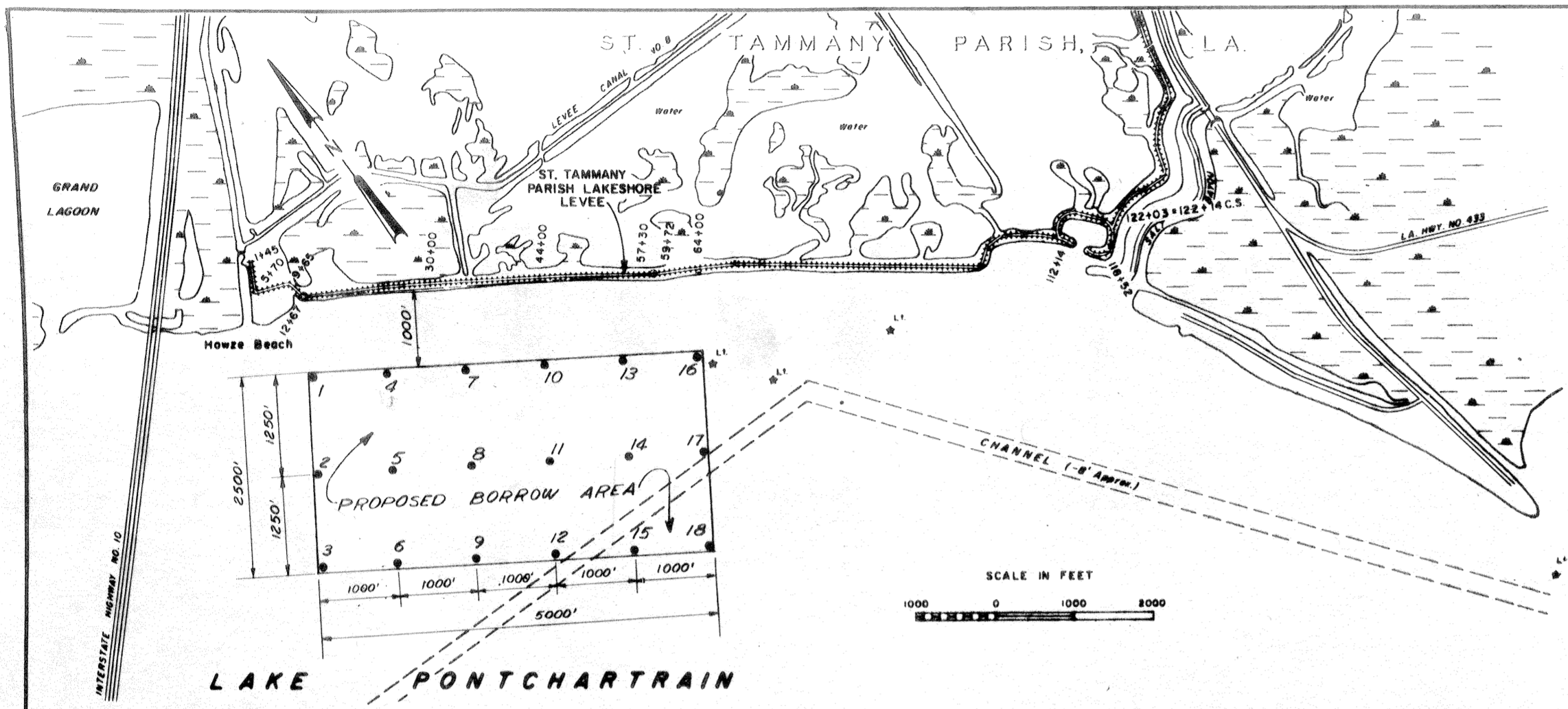
INHC, WEST LEVEE - U.S. HWY. 90 TO ALMONASTER AVE.

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.



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Safety is a Part of Your Contract

Note: For soil boring legend, see dug. file no. H-2-21800.

REVISION	DATE	DESCRIPTION	BY
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO. SIZE FILE NO.
K.J.C.	W.H.S.	W.H.S.	
H-4-24692			
DATE MARCH 1970		SCALE SHOWN	SPEC. NO. DACWS-70-B-0125 Dwg. 47 of 47