

EMERGENCY OPERATIONS FLOODWALL STRUCTURES

Updated 25 February 2000

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INNER HARBOR NAVIGATIONAL CANAL TO PARIS ROAD

HURRICANE PROTECTION LEVEE - CITRUS BACK LEVEE

(Station 196+16.6 to Station 431+00)

PLANS FOR LEVEE AND FLOODWALL

Orleans Parish, Louisiana

File Number H-8-24403; Spec Number DACW-29-68-B-0138

Structures Branch Stick File Number 20

SHEET #	DRAWING TITLE
0	Title Sheet
File:	H-8-24403-00
1	Location Plan, Vicinity Map and Index to Drawings
File:	H-8-24403-01
2	Plan, Profile and Borings - Stations 196+16.6 to 315+00
File:	H-8-24403-02
3	Plan, Profile and Borings - Stations 315+00 to 431+00
File:	H-8-24403-03
4	Levee Design Sections
File:	H-8-24403-04
5	Levee Design Section and Borings
File:	H-8-24403-05
6	Floodwall Alignment - Stations 0+02 W/L to 3+20 W/L
File:	H-8-24403-06
7	Floodwall Alignment - Stations 3+20 W/L to 8+85 W/L
File:	H-8-24403-07
8	Floodwall Alignment - Stations 8+85 W/L to 15+54 W/L
File:	H-8-24403-08
9	Floodwall Alignment - Stations 15+54 W/L to 20+43.9 W/L
File:	H-8-24403-09
10	Floodwall Profile
File:	H-8-24403-10
11	Steel Sheet Piling Layout
File:	H-8-24403-11
12	Typical Floodwall Sections

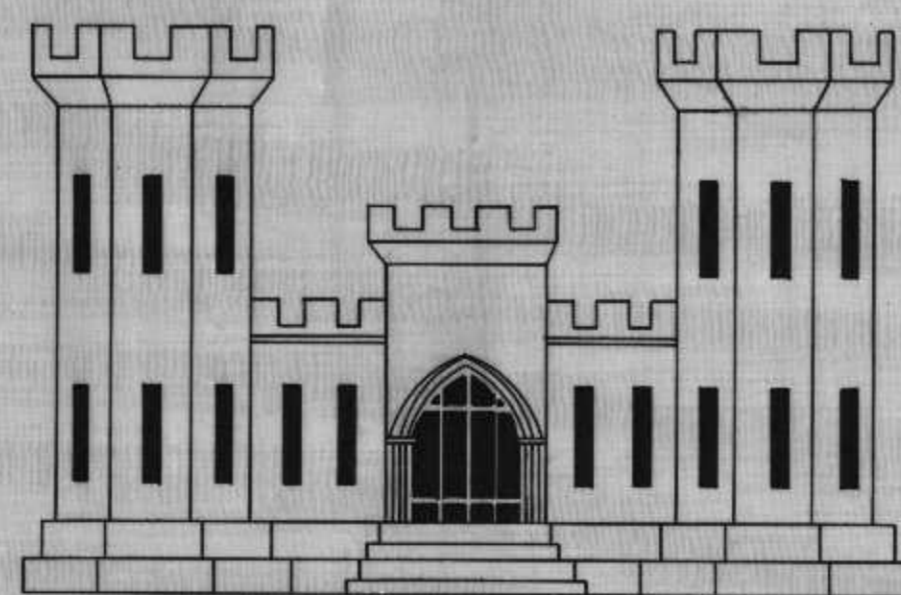
File:	H-8-24403-12
13	Typical Details and Sections
File	H-8-24403-13
14	Wall at Discharge Pipes - Monoliths 18 & 19
File	H-8-24403-14
15	Utility Crossing and Reference Markers
File	H-8-24403-15
16	Gate Monolith 22 - Masonry and Reinforcement
File	H-8-24403-16
17	Gate Monolith 22 - Gate Details
File	H-8-24403-17
18	Gate Trolley and Hanger Details
File	H-8-24403-18
19	Gate Seals
File	H-8-24403-19
20	Gate Latching Device
File	H-8-24403-20
21	Gate Guide
File	H-8-24403-21
22	Miscellaneous Gate Details
File	H-8-24403-22
23	Undisturbed Borings
File	H-8-24403-23

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

CITRUS BACK LEVEE

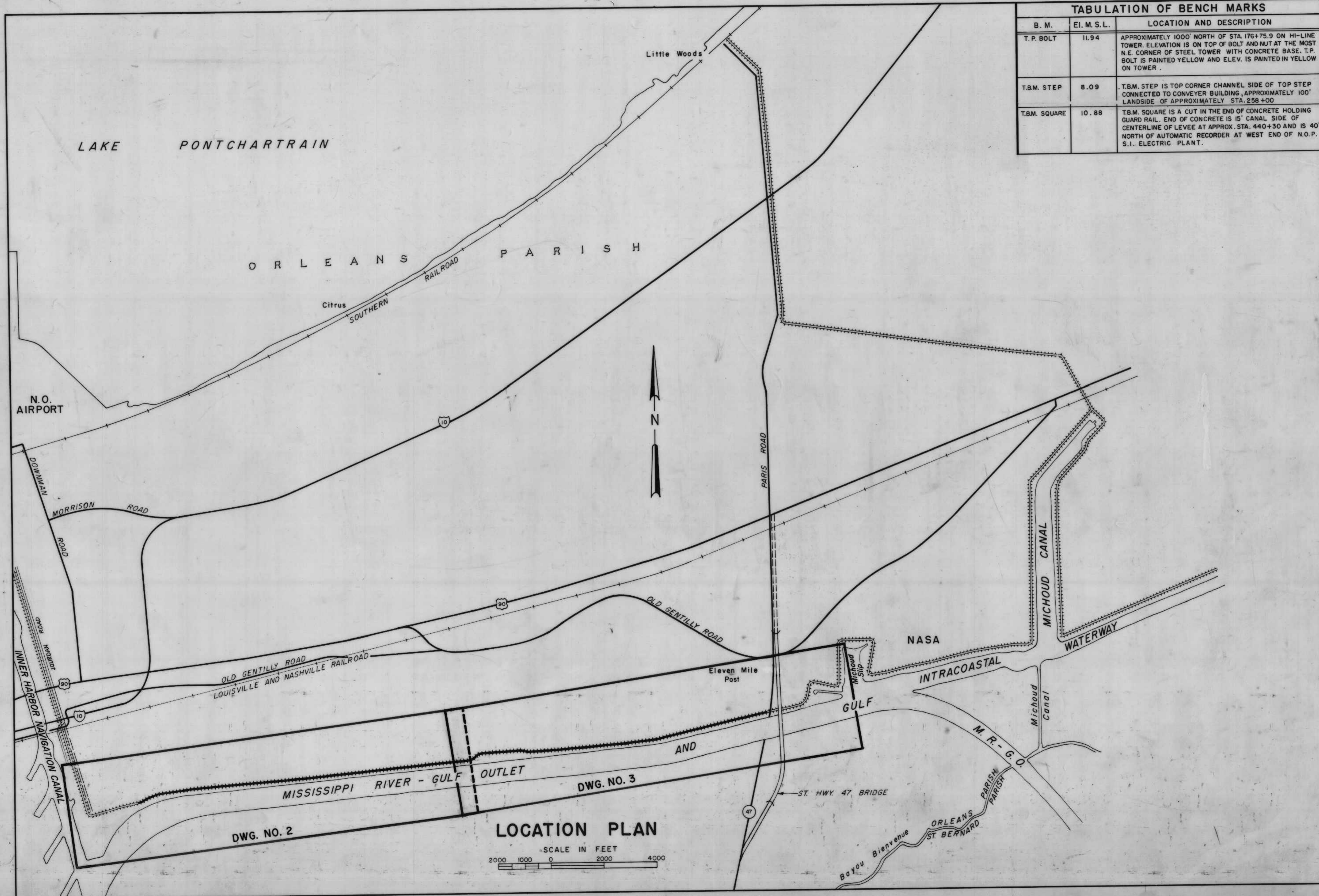
MICHOUD SLIP TO MICHOUD CANAL
STA. 510+20 TO STA. 582+96

PLANS FOR
LEVEE AND FLOODWALL

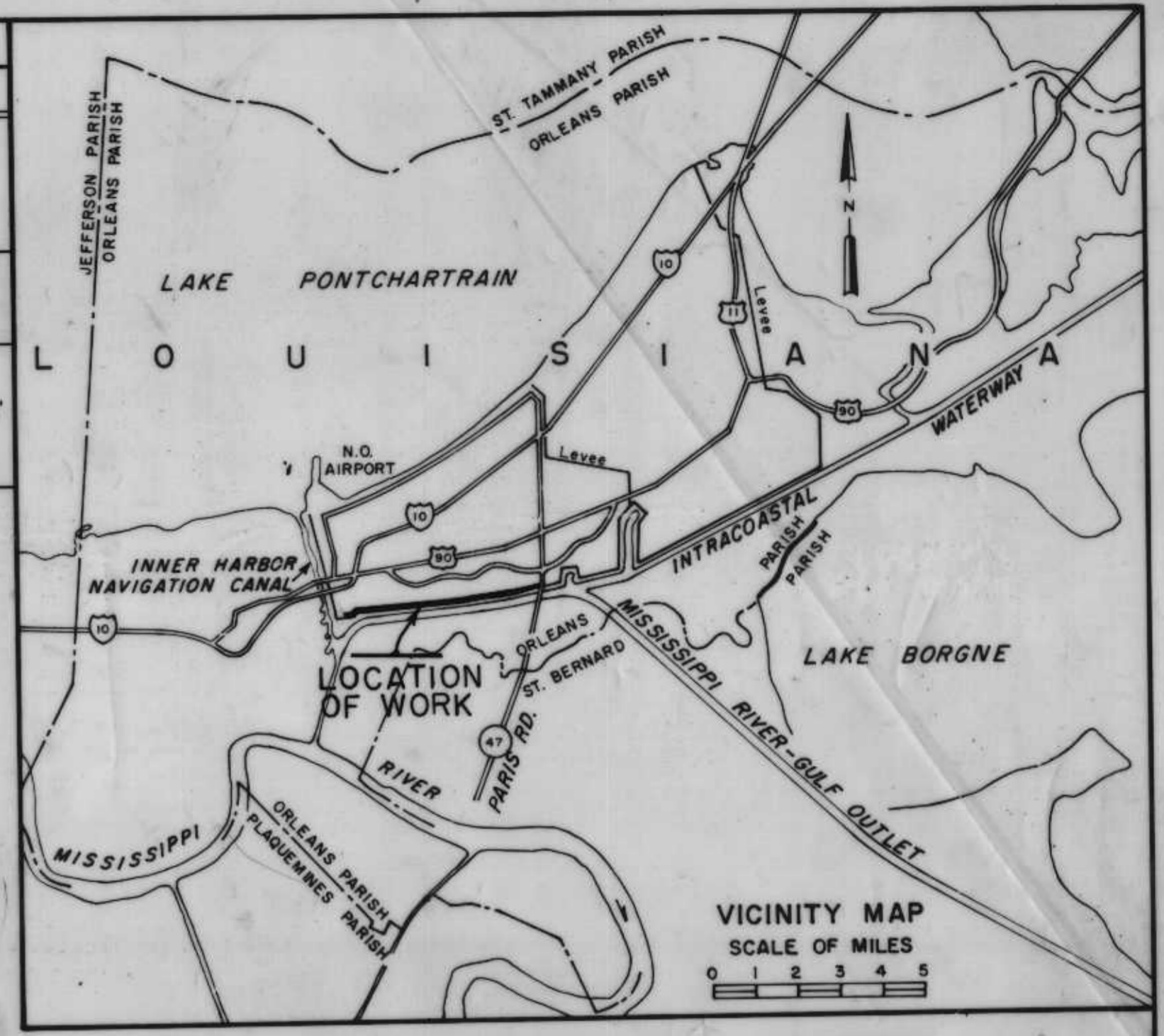


U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS, LA.
CORPS OF ENGINEERS

1968



TABULATION OF BENCH MARKS		
B. M.	EI. M. S. L.	LOCATION AND DESCRIPTION
T. P. BOLT	11.94	APPROXIMATELY 1000' NORTH OF STA. 176+75.9 ON HI-LINE TOWER. ELEVATION IS ON TOP OF BOLT AND NUT AT THE MOST N.E. CORNER OF STEEL TOWER WITH CONCRETE BASE. T. P. BOLT IS PAINTED YELLOW AND ELEV. IS PAINTED IN YELLOW ON TOWER.
T.B.M. STEP	8.09	T.B.M. STEP IS TOP CORNER CHANNEL SIDE OF TOP STEP CONNECTED TO CONVEYER BUILDING, APPROXIMATELY 100' LANDSIDE OF APPROXIMATELY STA. 258+00
T.B.M. SQUARE	10.88	T.B.M. SQUARE IS A CUT IN THE END OF CONCRETE HOLDING GUARD RAIL. END OF CONCRETE IS 15' CANAL SIDE OF CENTERLINE OF LEVEE AT APPROX. STA. 440+30 AND IS 40' NORTH OF AUTOMATIC RECORDER AT WEST END OF N.O.P. S.I. ELECTRIC PLANT.

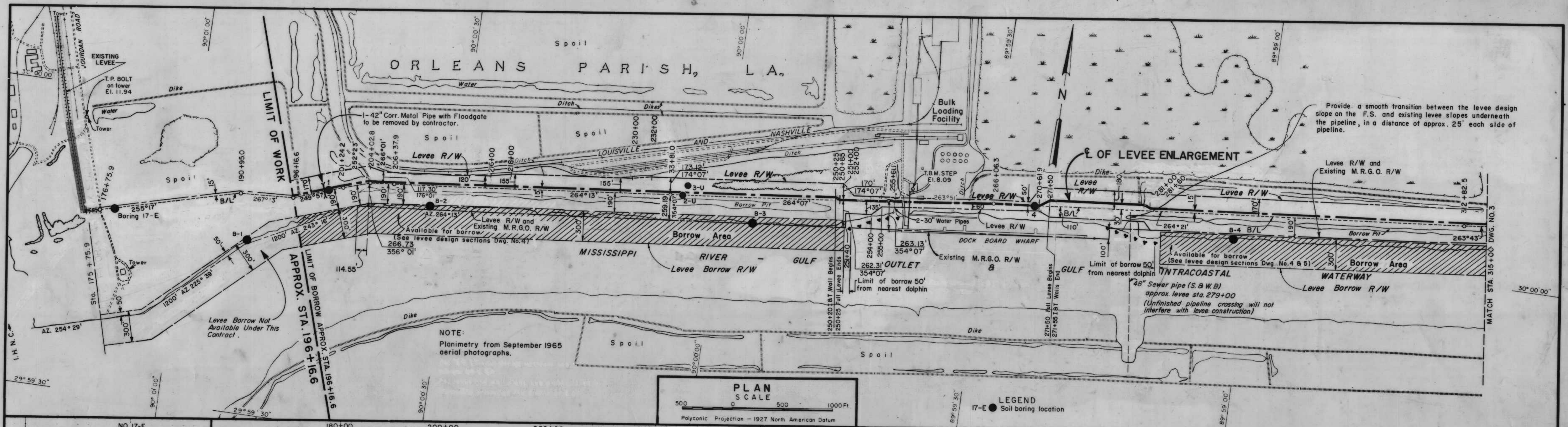


INDEX TO DRAWINGS	
DWG.	TITLE
1	LOCATION PLAN, VICINITY MAP AND INDEX
2	PLAN, PROFILE AND BORINGS
3	PLAN, PROFILE AND BORINGS
4	LEVEE DESIGN SECTIONS
5	LEVEE DESIGN SECTION AND BORINGS
6	FLOODWALL ALIGNMENT
7	FLOODWALL ALIGNMENT
8	FLOODWALL ALIGNMENT
9	FLOODWALL ALIGNMENT
10	FLOODWALL PROFILE
11	STEEL SHEET PILING LAYOUT
12	TYPICAL FLOODWALL SECTIONS
13	TYPICAL DETAILS AND SECTIONS
14	WALL AT DISCHARGE PIPES - MONOLITHS 18 AND 19
15	UTILITY CROSSING AND REFERENCE MARKERS
16	GATE MONOLITH 22 - MASONRY AND REINF.
17	GATE MONOLITH 22 - GATE DETAILS
18	GATE TROLLEY AND HANGER DETAILS
19	GATE SEALS
20	GATE LATCHING DEVICE
21	GATE GUIDE
22	MISCELLANEOUS GATE DETAILS
23	UNDISTURBED BORINGS

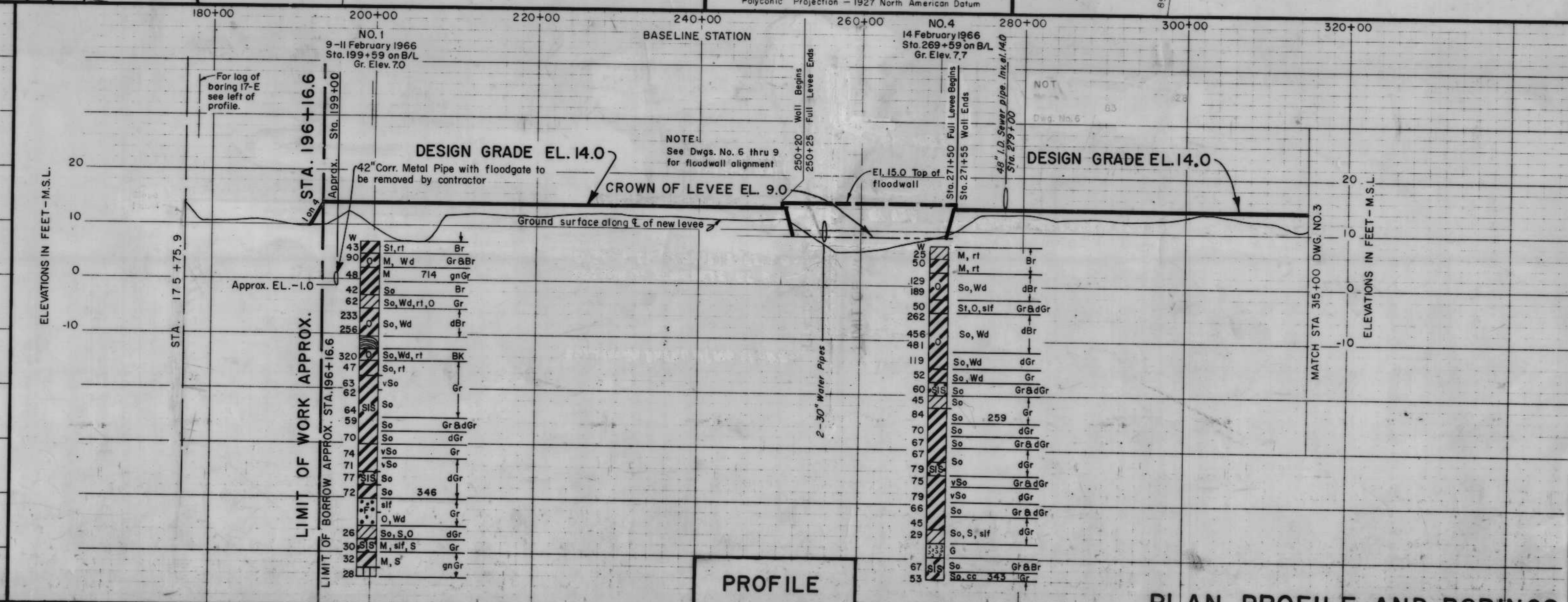
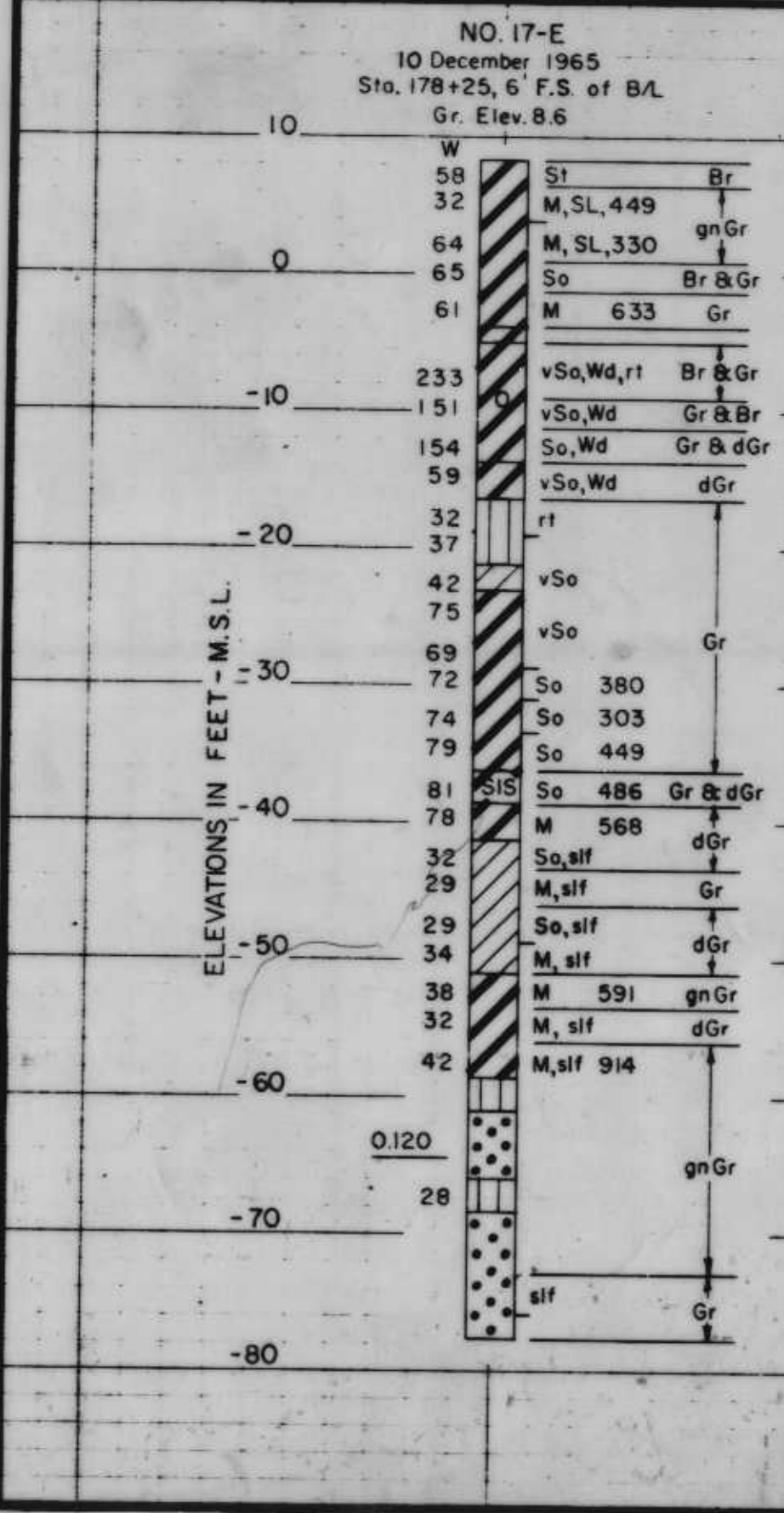
DWG. NO. 2
 DWG. NO. 3
LOCATION PLAN



DRAWN BY: C.S.	TRACED BY: C.S.	CHECKED BY: R.P.L.	U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LA.
SUBMITTED: <i>R. J. Smith</i> CHIEF, DESIGN BRANCH			LAKE PONTCHARTRAIN, LA. AND VICINITY LAKE PONTCHARTRAIN BARRIER PLAN HURRICANE PROTECTION LEVEE CITRUS BACK LEVEE STA. 196+16.6 - STA. 431+00
DATE: MAY 1968			CODE IDENT. NO. SIZE FILE NO.
APPROVED: <i>James W. Hudson</i> CHIEF ENGINEERING DIVISION			H-8-24403
APPROVED: <i>Thomas J. Bonner</i> COLONEL, E. DISTRICT ENGINEER			SCALE: AS SHOWN SPEC. NO. DACW-29-68-0138 DWG. NO. 1 OF 23



LEGEND
17-E ● Soil boring location



PERTINENT NOTES

Soil Borings No. 1, 4, 17-E, and B-1 thru B-8 were taken with a 1 7/8" I.D. core barrel sampler.

For soil boring Legend See DWG. File No. H-2-21800

Borings 2-U, 3-U, 12-U, and 12-UT were taken with a 5" diameter, undisturbed, piston type sampler.

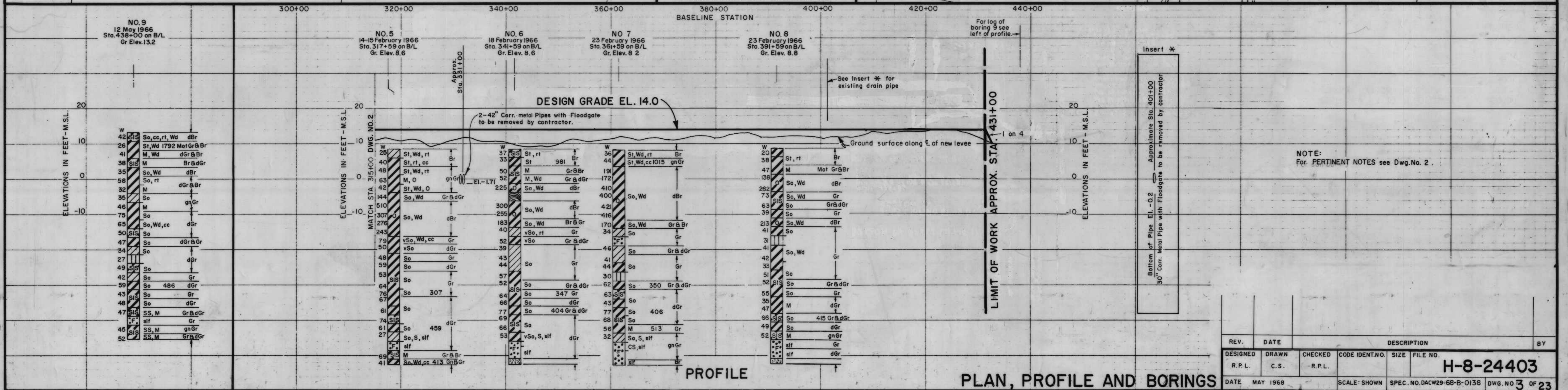
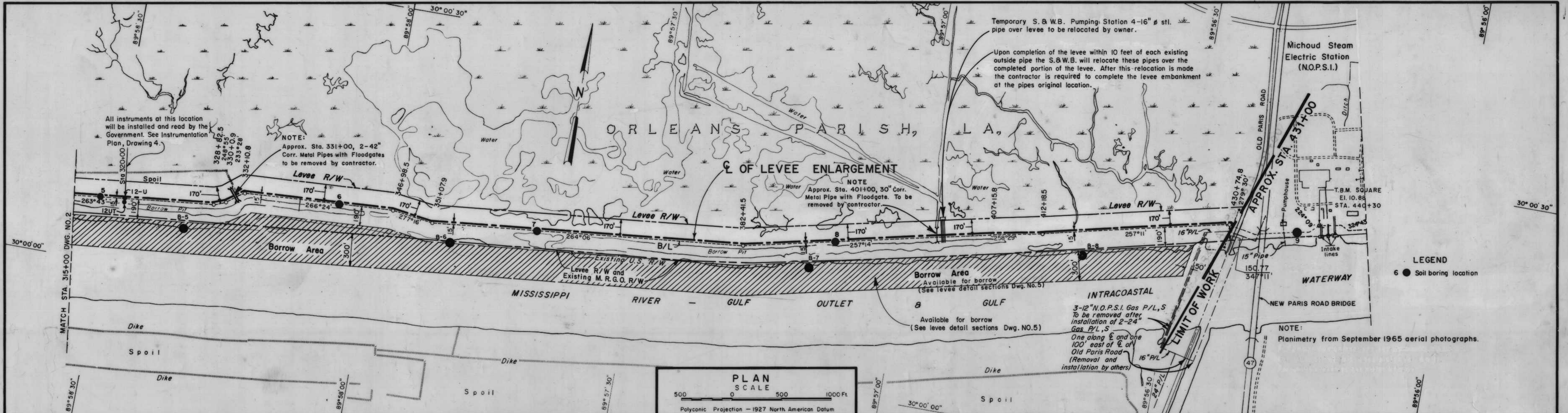
All elevations are in feet and refer to Mean Sea Level.

REV	DATE	DESCRIPTION	BY
DESIGNED	DRAWN	CHECKED	CODE IDENT. NO.
R.P.L.	C.S.	R.P.L.	SIZE FILE NO.
H-8-24403			
DATE: MAY 1968		SCALE: SHOWN	SPEC. NO. DACW-29-68-0138
DWG. NO. 2 OF 23			

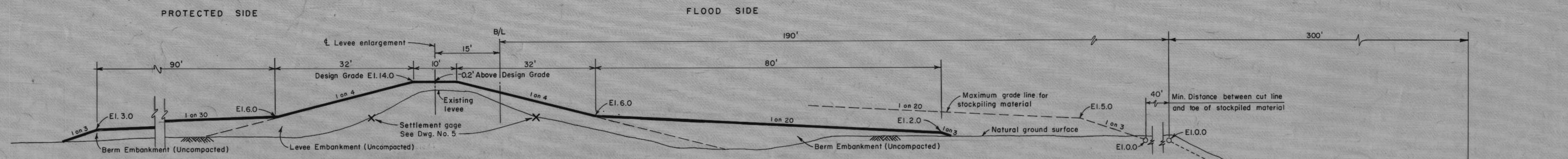
PROFILE

PLAN, PROFILE AND BORINGS

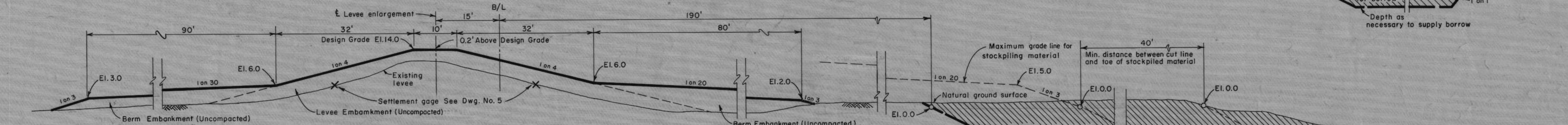
CITRUS BACK LEVEE (I.H.N.C. TO PARIS ROAD)



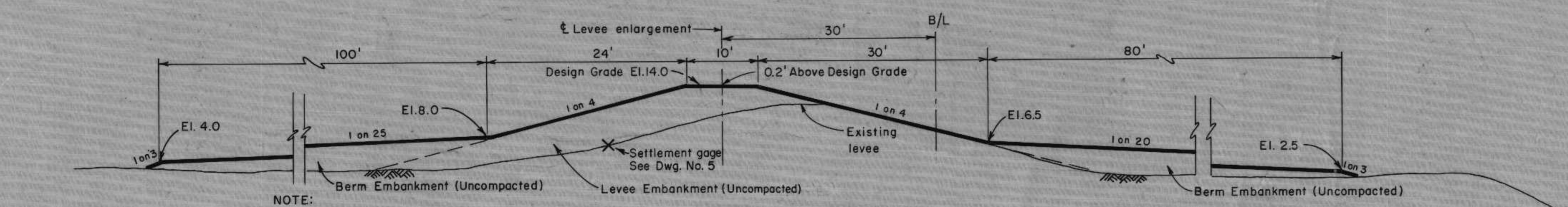
16" Gas Pipeline Sta. 433+67



LEVEE DESIGN SECTION
 STA. 196+16.6 (APPROX) TO STA. 204+02.8
 SMOOTH TRANSITION FROM STA. 204+02.8 TO STA. 205+50
 STA. 218+00 TO STA. 220+00 (APPROX.)



LEVEE DESIGN SECTION
 STA. 220+00 (APPROX.) TO STA. 250+19.5
 SMOOTH TRANSITION FROM STA. 250+25 TO STA. 250+85
 * STA. 281+60 TO STA. 431+00

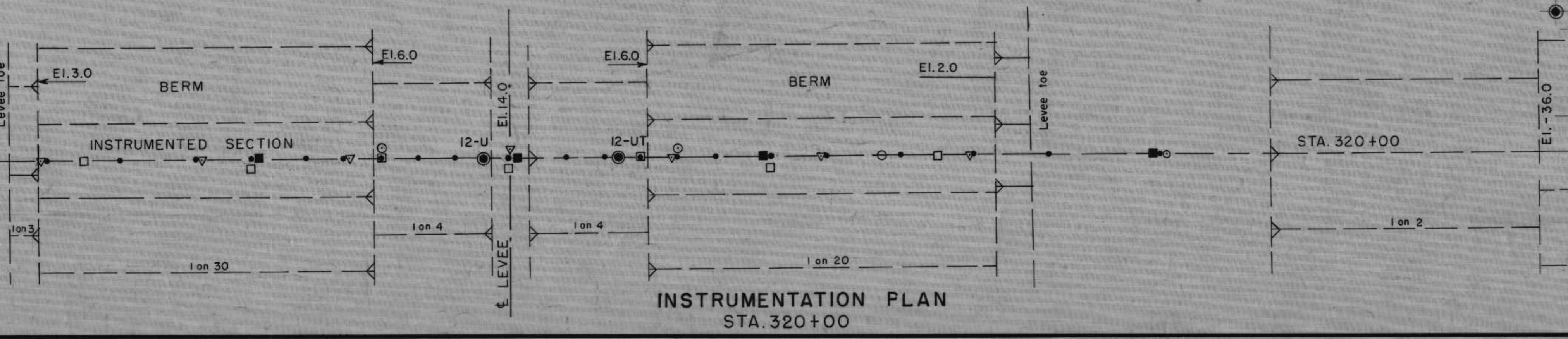


NOTE:
 No adjacent canal side borrow permitted.
 Borrow material to be obtained from the borrow areas designated on Dwg. No. 2 and 3 and hauled or barged in place. The material removed from the floodwall section (Sta. 250+25-271+50) may be used in these areas.

LEVEE DESIGN SECTION
 STA. 271+55.5 TO STA. 281+00
 SMOOTH TRANSITION FROM STA. 281+00 TO STA. 281+60

See Dwg. No. 6 thru 9 and 11 for levee design from Sta. 250+25 to Sta. 271+50

* No flood side borrow available between approximate stations 427+00 and 431+00 as indicated on Dwg. No. 3. The borrow material must be obtained from other areas designated available for borrow, and hauled or barged in place.

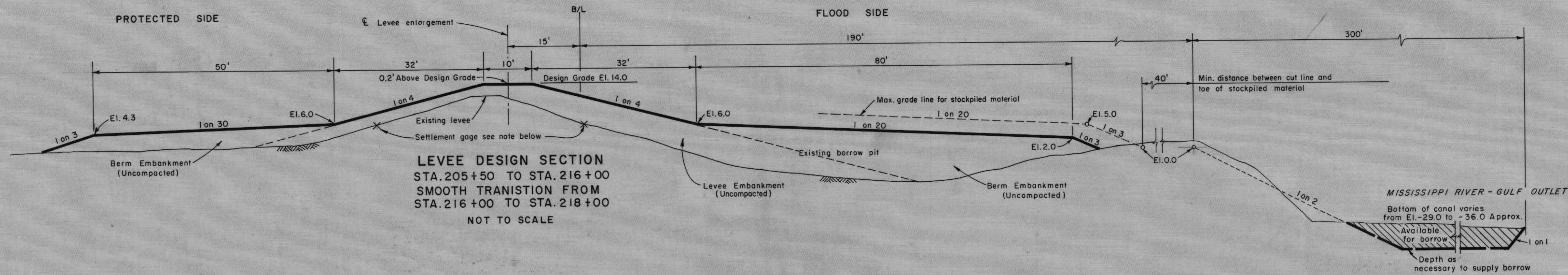


- INSTRUMENTATION LEGEND**
- I2-U Undisturbed soil borings
 - Settlement plates on existing ground surface
 - Settlement reference hubs on recommended levee sec.
 - Settlement reference plugs in levee and foundation
 - ▽ Open-type piezometers
 - Plastic tube slope inclinometers

Sections plotted are not to scale.
 For Plan and Profile see Dwg. Nos. 2 and 3

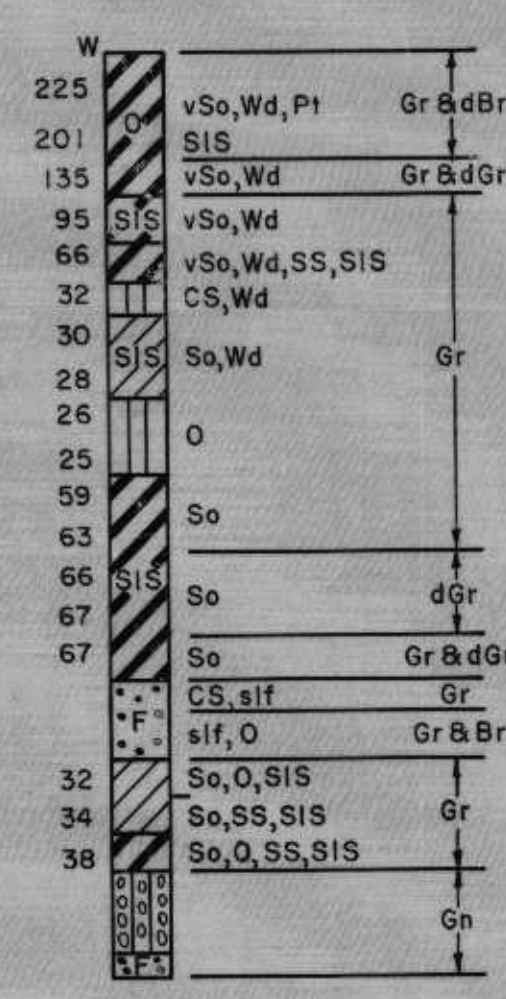
LEVEE DESIGN SECTIONS

REV.	DATE	DESCRIPTION	BY
DESIGNED R.P.L.	DRAWN R.A.B.	CHECKED R.P.L.	CODE IDENT. NO SIZE
			FILE NO. H-8-24403
DATE: MAY 1968		SCALE: NONE	SPEC. NO. DACW29-68-B-0138
		DWG. NO. 4	OF 23

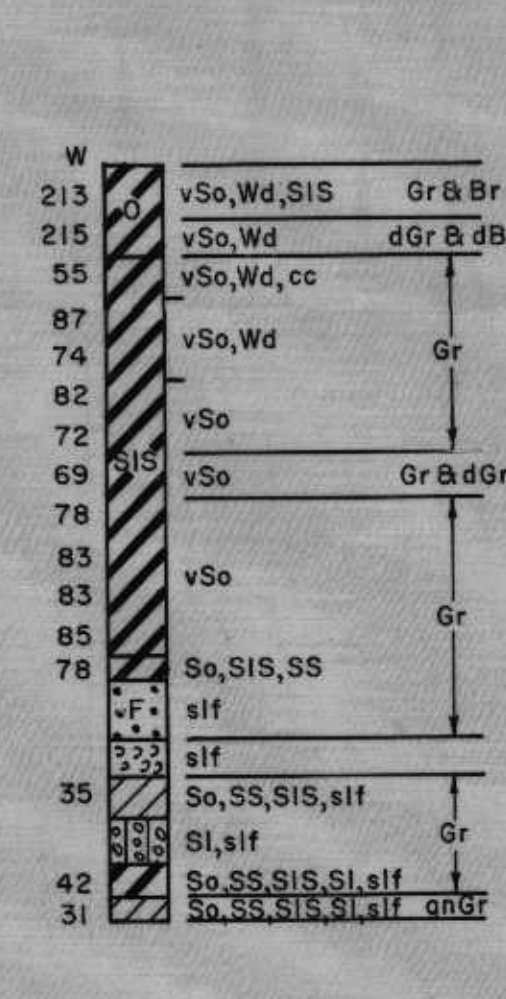


**LEVEE DESIGN SECTION
STA. 205+50 TO STA. 216+00
SMOOTH TRANSITION FROM
STA. 216+00 TO STA. 218+00
NOT TO SCALE**

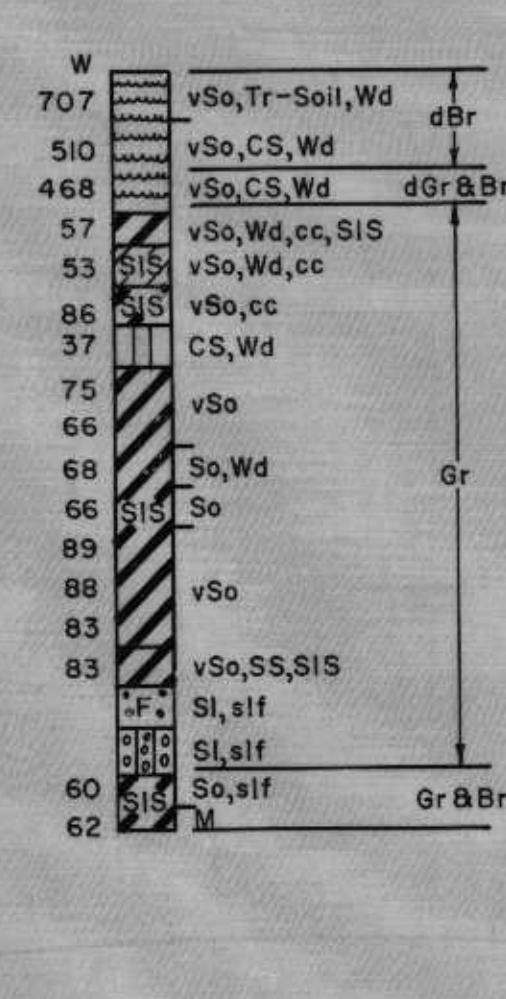
B-1
5 January 1968
Sta. 191+00 - 455' F.S. of B/L
Gr. Elev. -0.8



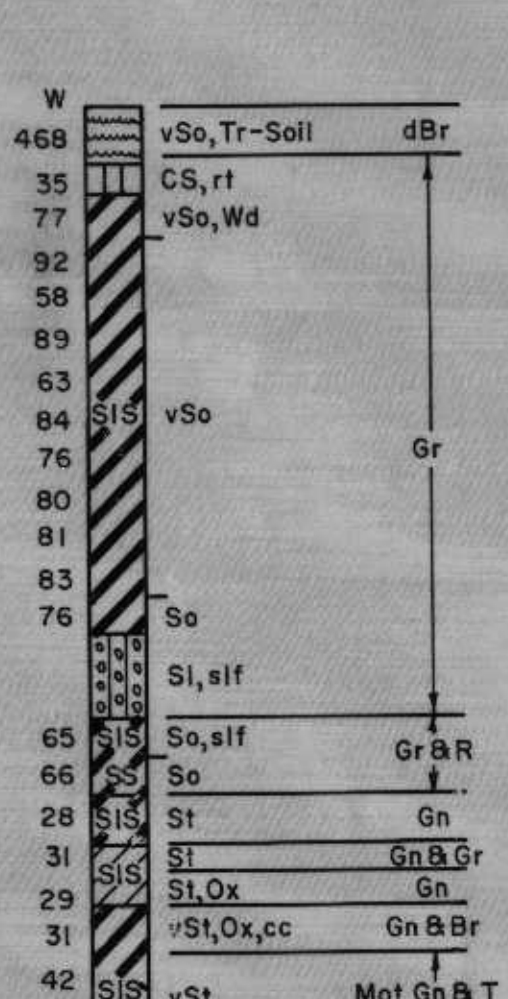
B-2
4 January 1968
Sta. 210+00 - 205' F.S. of B/L
Gr. Elev. -7.2



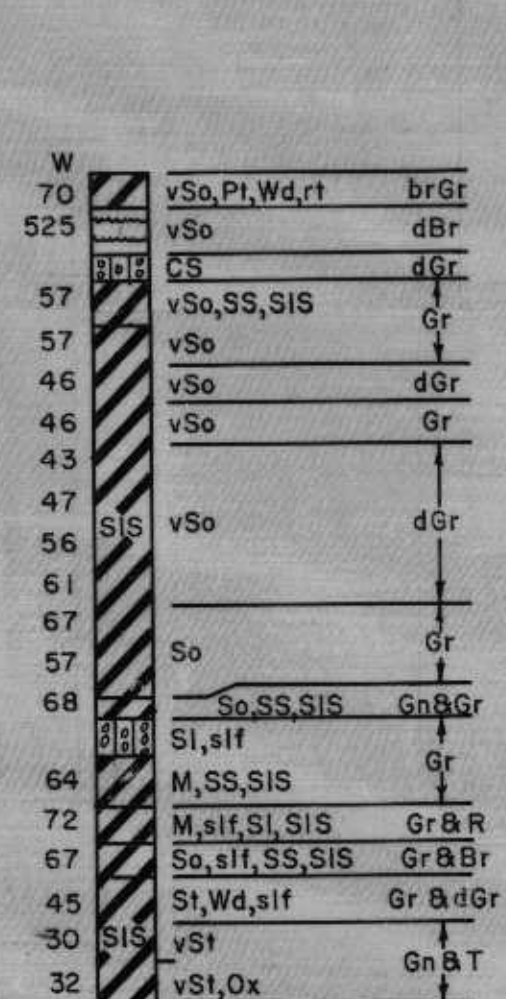
B-3
4 January 1968
Sta. 242+00 - 250' F.S. of B/L
Gr. Elev. -2.7



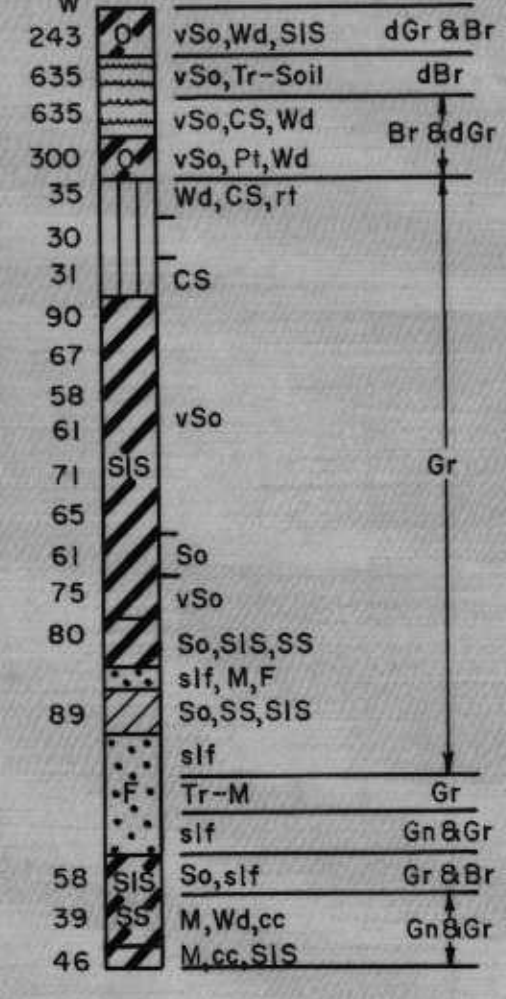
B-4
28 December 1967
Sta. 290+00 - 235' F.S. of B/L
Gr. Elev. -4.9



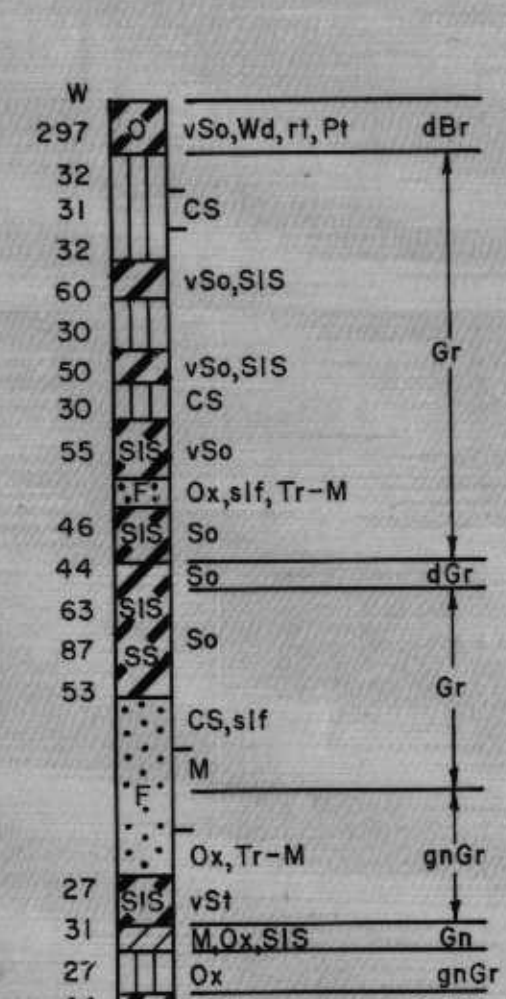
B-5
28 December 1967
Sta. 326+00 - 250' F.S. of B/L
Gr. Elev. -8.7



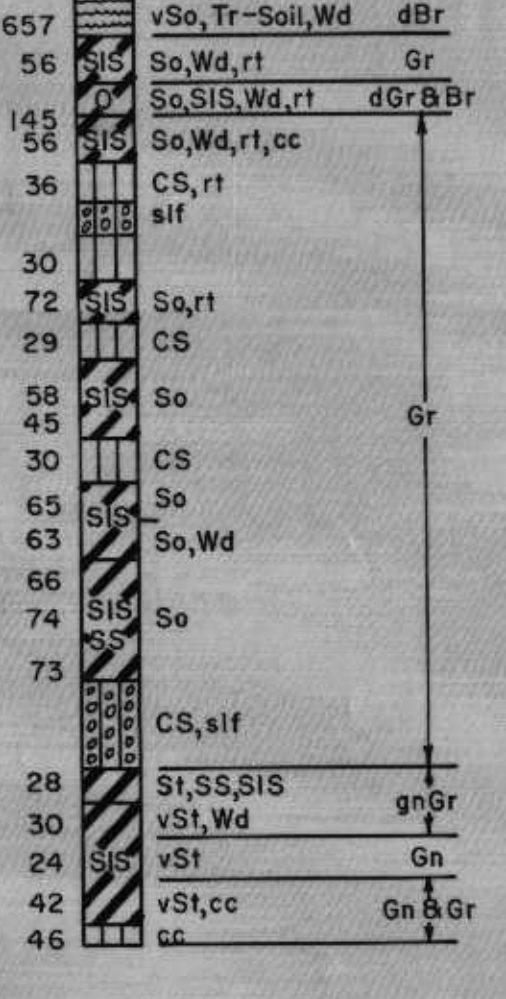
B-6
27 December 1967
Sta. 353+00 - 185' F.S. of B/L
Gr. Elev. -0.3



B-7
26 December 1967
Sta. 389+00 - 245' F.S. of B/L
Gr. Elev. -5.6



B-8
21 December 1967
Sta. 416+00 - 230' F.S. of B/L
Gr. Elev. 0.4



ELEVATIONS IN FEET - M.S.L.

ELEVATIONS IN FEET - M.S.L.

NOTE:
For PERTINENT NOTES see Dwg. No. 2
For undisturbed borings see Dwg. No. 23

SETTLEMENT MEASUREMENT GAGES

Should the contractor desire payment for placing additional fill due to foundation settlement during construction, he shall furnish and install settlement gages at the locations shown on the Design Section in conformance with the provisions of paragraph 12 section 3 of the specifications.

The settlement measurement range for each settlement gage shall be for a distance of 200 feet in each direction from each settlement gage measured along the centerline of the levee, except where settlement gages are placed at less than 400 foot intervals, in which case, the settlement measurement range shall be to a point 1/2 the distance between settlement gages.

Settlement gage may be placed on either slope of existing levee between El. 5.0 and El. 7.0.

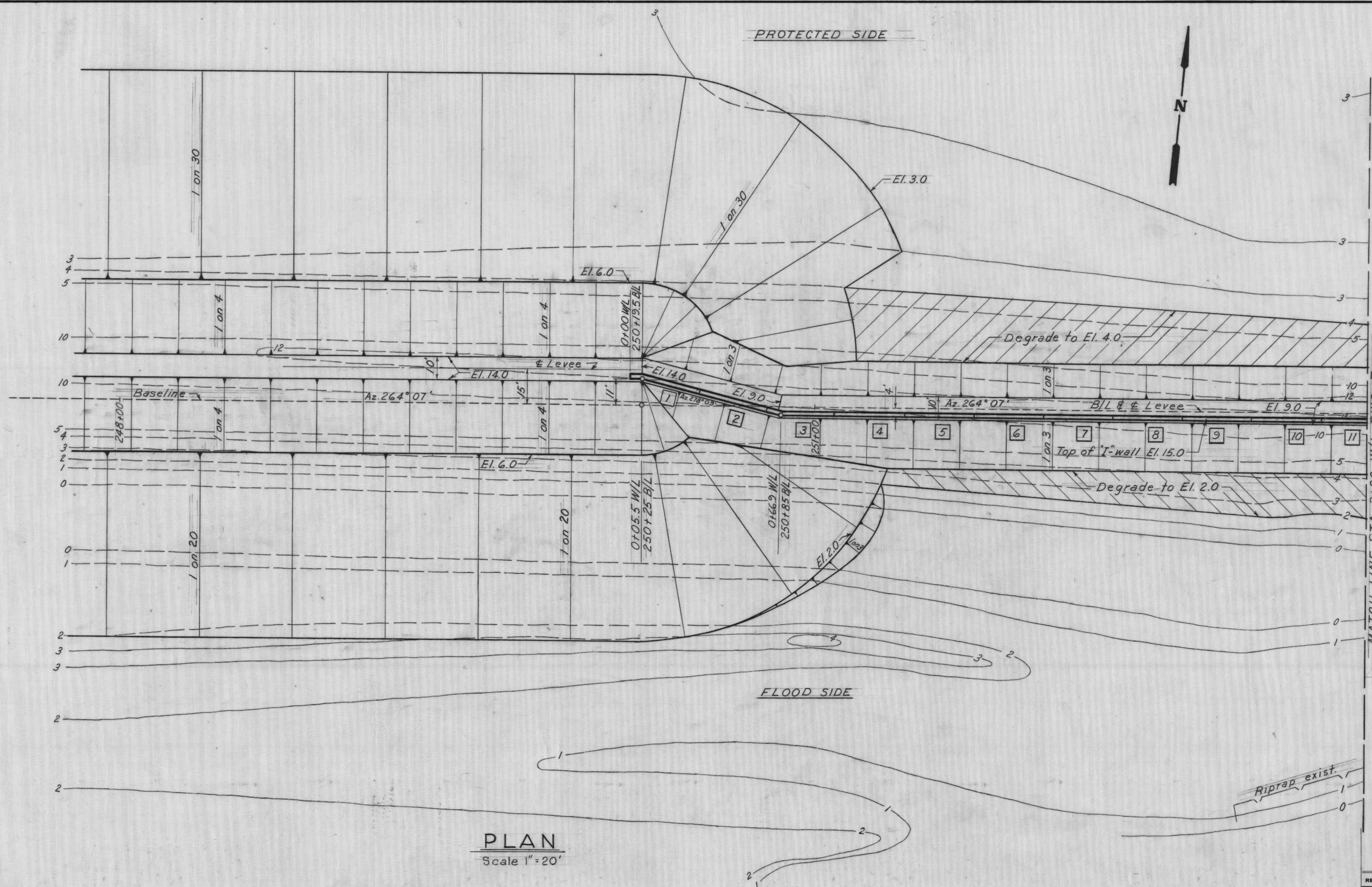


SETTLEMENT GAGE

LEVEE DESIGN SECTION AND BORINGS

REVISION	DATE	DESCRIPTION	BY
DESIGNED BY:	DRAWN BY:	CHECKED BY:	CODE IDENT. NO.:
R.P.L.	C.E.M.	R.P.L.	
DATE: MAY 1968		SPEC. NO. DACW-29-68-0138	DWG. NO. 5 OF 23

H-8-24403



PLAN
Scale 1" = 20'

Note:
 For general notes see Dwg. 7
 All wall line azimuths and stationing refer to the floodside face of the wall.
 Floodside face of wall parallel to B/L from stations 0+66.9 W/L to 20+43.9 W/L.

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
W. D. J.	G. P. M.	W. D. J.	H-8-24403
DATE: MAY 1968		SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138 DWG. NO. 6 OF 23

MISSISSIPPI RIVER GULF OUTLET AND GULF INTRACOASTAL WATERWAY

FLOODWALL ALIGNMENT

CITRUS BACK LEVEE (I.H.N.C. TO PARIS ROAD)

G.P.M. TR-20 title same as other sheets
 46 21

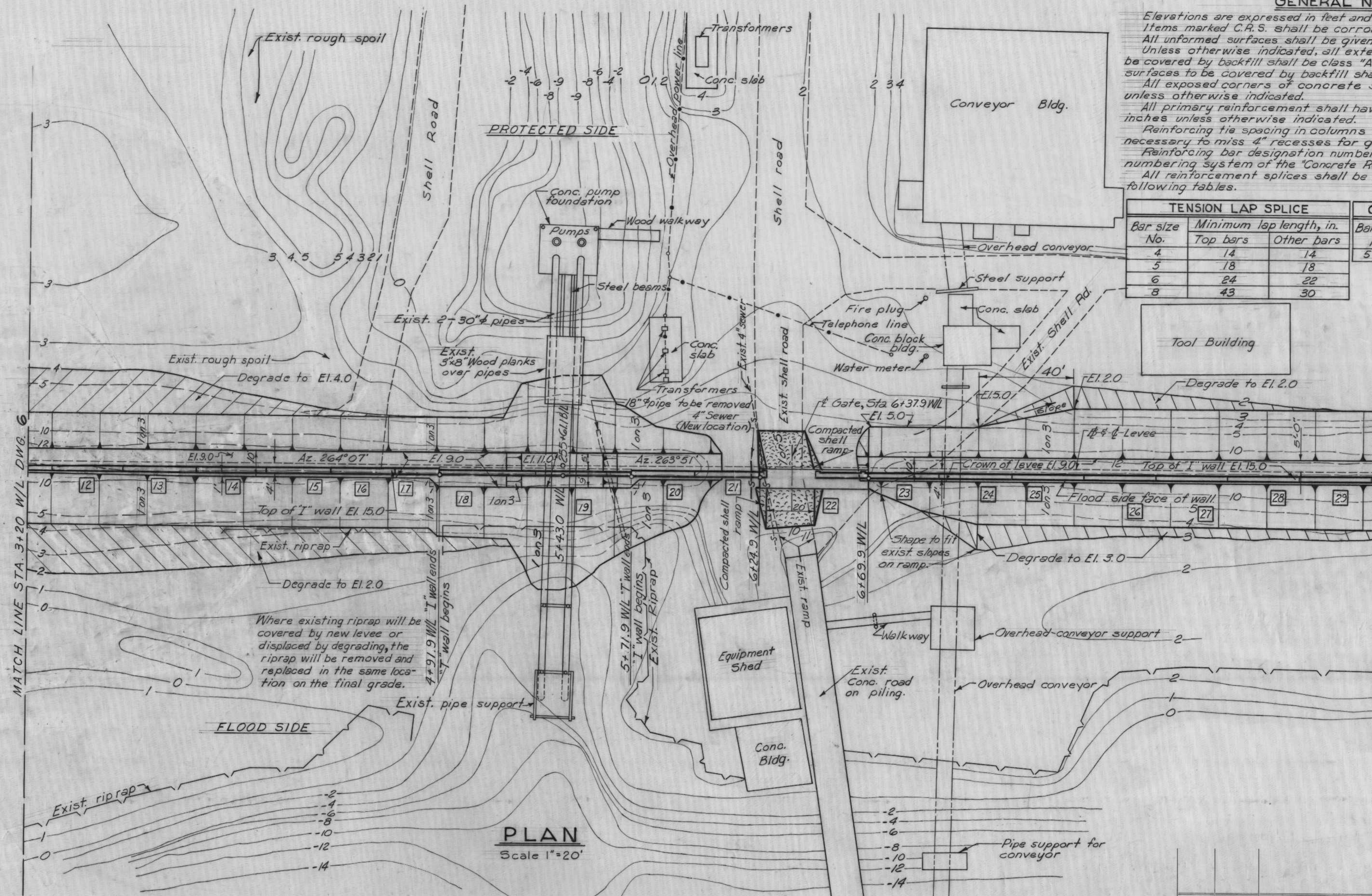
GENERAL NOTES

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.
 All exposed corners of concrete shall be chamfered 1/4 inch unless otherwise indicated.
 All primary reinforcement shall have a minimum cover of 2 1/2 inches unless otherwise indicated.
 Reinforcing tie spacing in columns shall be reduced where necessary to miss 4" recesses for gate latch.
 Reinforcing bar designation numbers conform to the current numbering system of the "Concrete Reinforcing Steel Institute."
 All reinforcement splices shall be lapped according to the following tables.

TENSION LAP SPLICE			COMPRESSION LAP SPLICE	
Bar size No.	Minimum lap length, in.		Bar size No.	Lap length, bar dias.
	Top bars	Other bars		
4	14	14	5-11	20 D
5	18	18		
6	24	22		
8	43	30		

MATCH LINE STA. 3+20 W/L DWG. 6

MATCH LINE STA. 8+65 W/L DWG. 8



PLAN
Scale 1"=20'

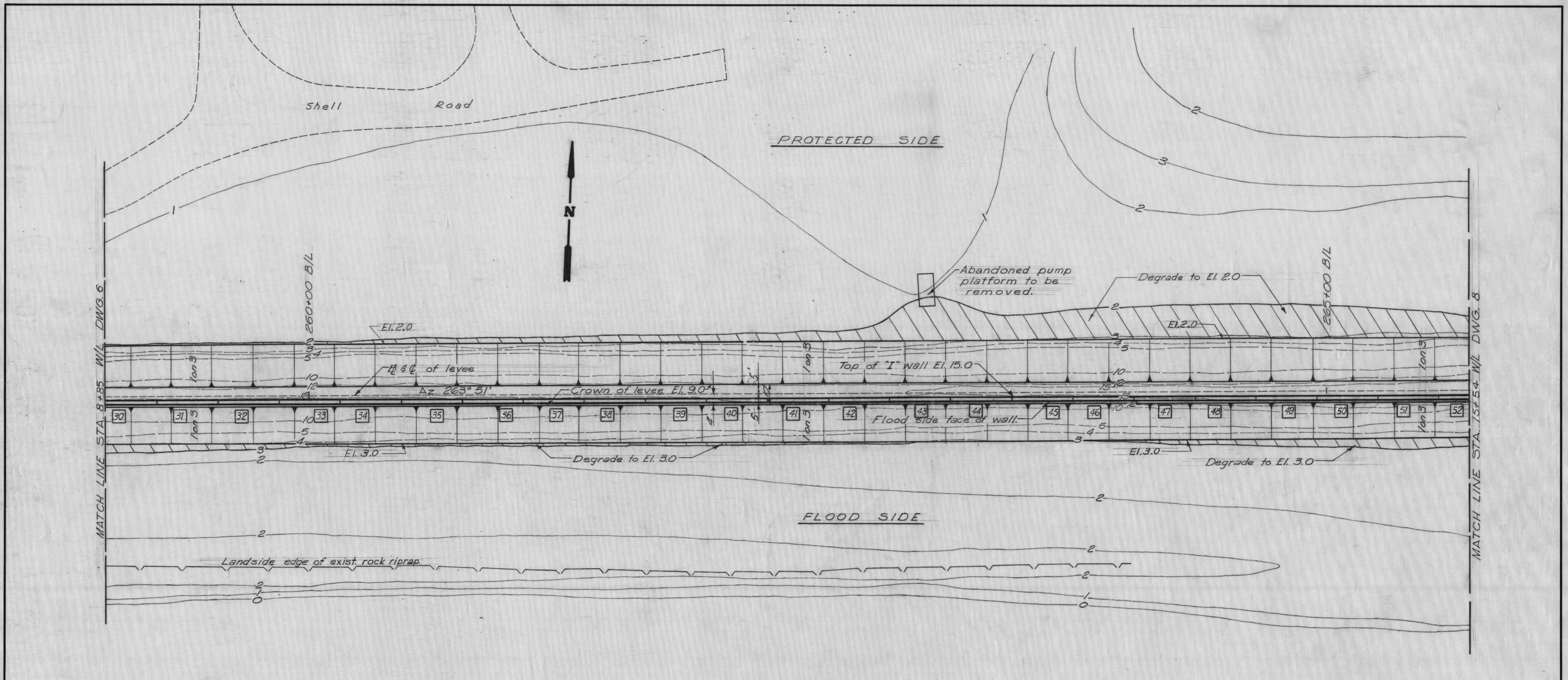
MISSISSIPPI RIVER GULF OUTLET AND GULF INTRACOASTAL WATERWAY

FLOODWALL ALIGNMENT

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
W.D.J.	B.H.D.	W.D.J.	H-8-24403
DATE: MAY 1968		SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138 DWG. NO. 7 OF 23

CITRUS BACK LEVEE (I.H.N.C. TO PARIS ROAD)

Diagrams N. O. 127 "Dreflex"



MISSISSIPPI RIVER GULF OUTLET AND GULF INTRACOASTAL WATERWAY

PLAN
Scale 1" = 20'

FLOODWALL ALIGNMENT

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
W.D.J.	B.H.D.	W.D.J.	H-8-24403
DATE: MAY 1968		SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138 DWG. NO. 8 OF 23

CITRUS BACK LEVEE (I.H.N.C. TO PARIS ROAD)



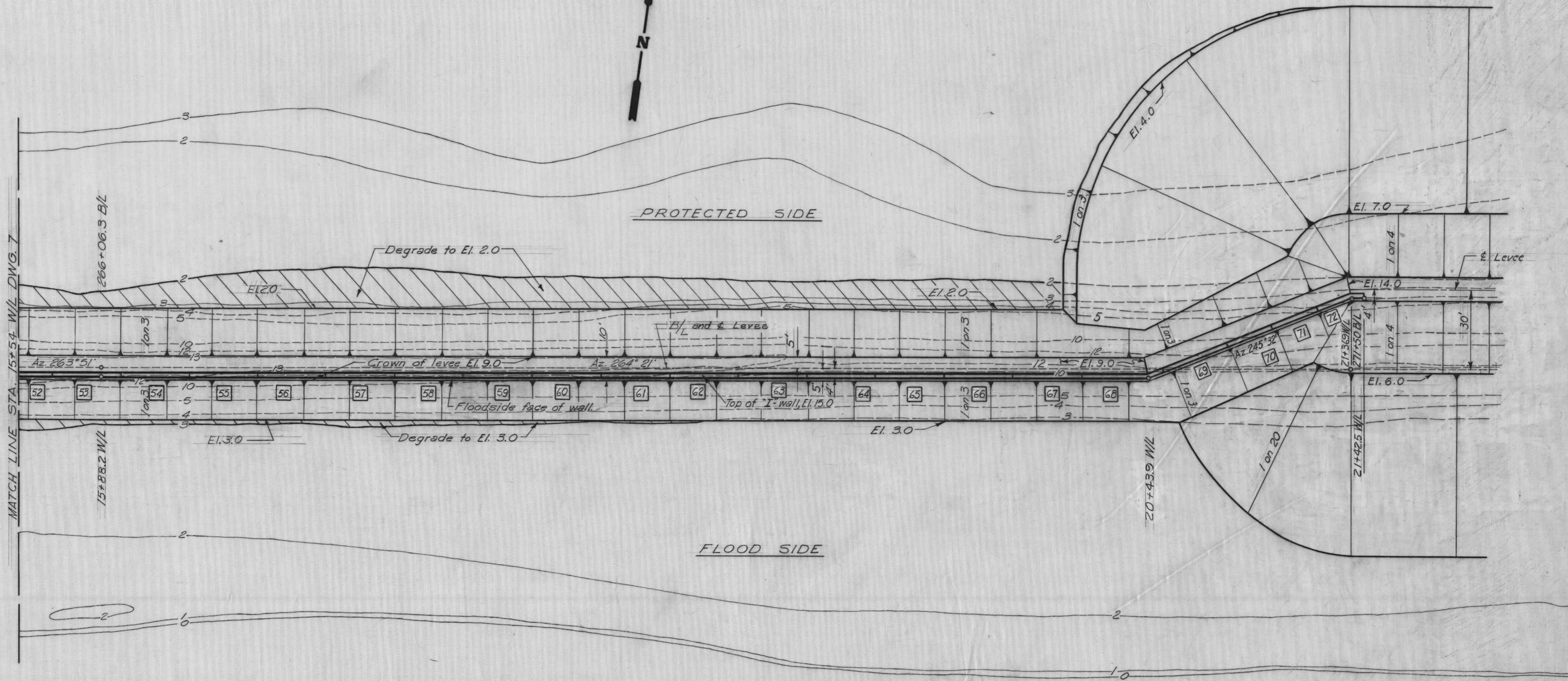
MATCH LINE STA. 15+54 W/L DWG. 7

266+06.3 B/L

15+88.2 W/L

20+439 W/L

21+369 W/L
21+425 W/L



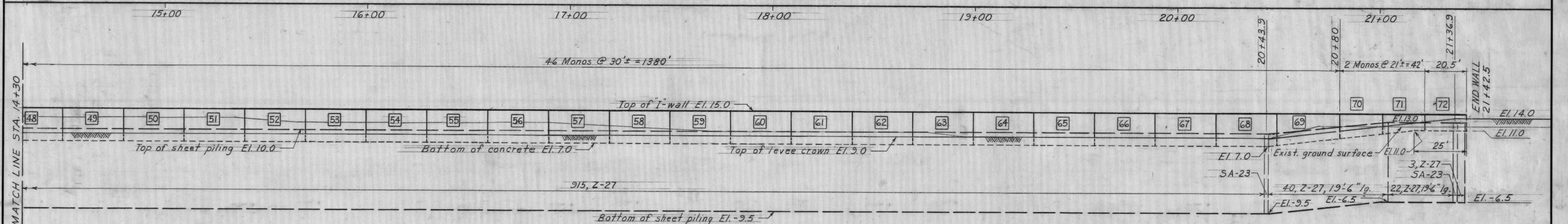
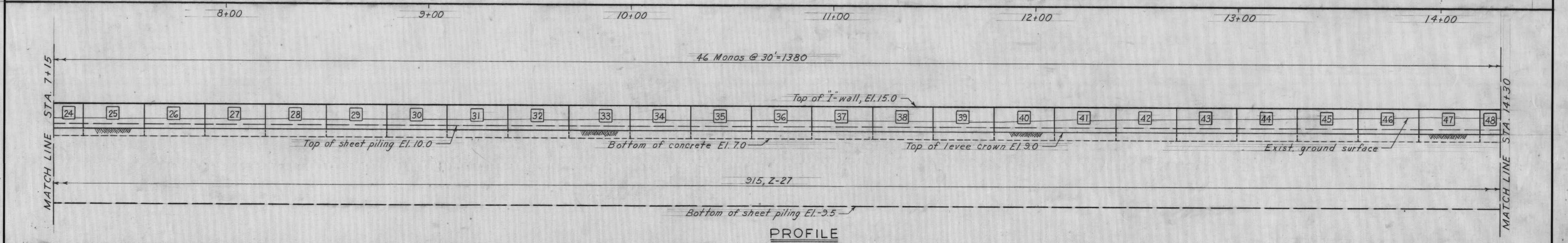
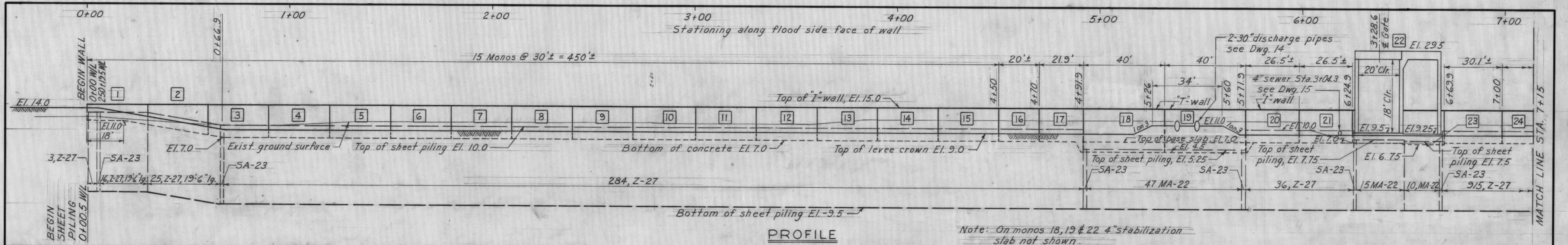
MISSISSIPPI RIVER GULF OUTLET AND GULF INTRACOASTAL WATERWAY

PLAN
Scale 1"=20'

FLOODWALL ALIGNMENT

REVISION	DATE	DESCRIPTION			BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.	SIZE	FILE NO.
W.D.J.	B.H.D.	W.D.J.			H-8-24403
DATE: MAY 1968		SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138	DWG. NO. 9 OF 23	

CITRUS BACK LEVEE (T.H.N.C. TO PARIS ROAD)

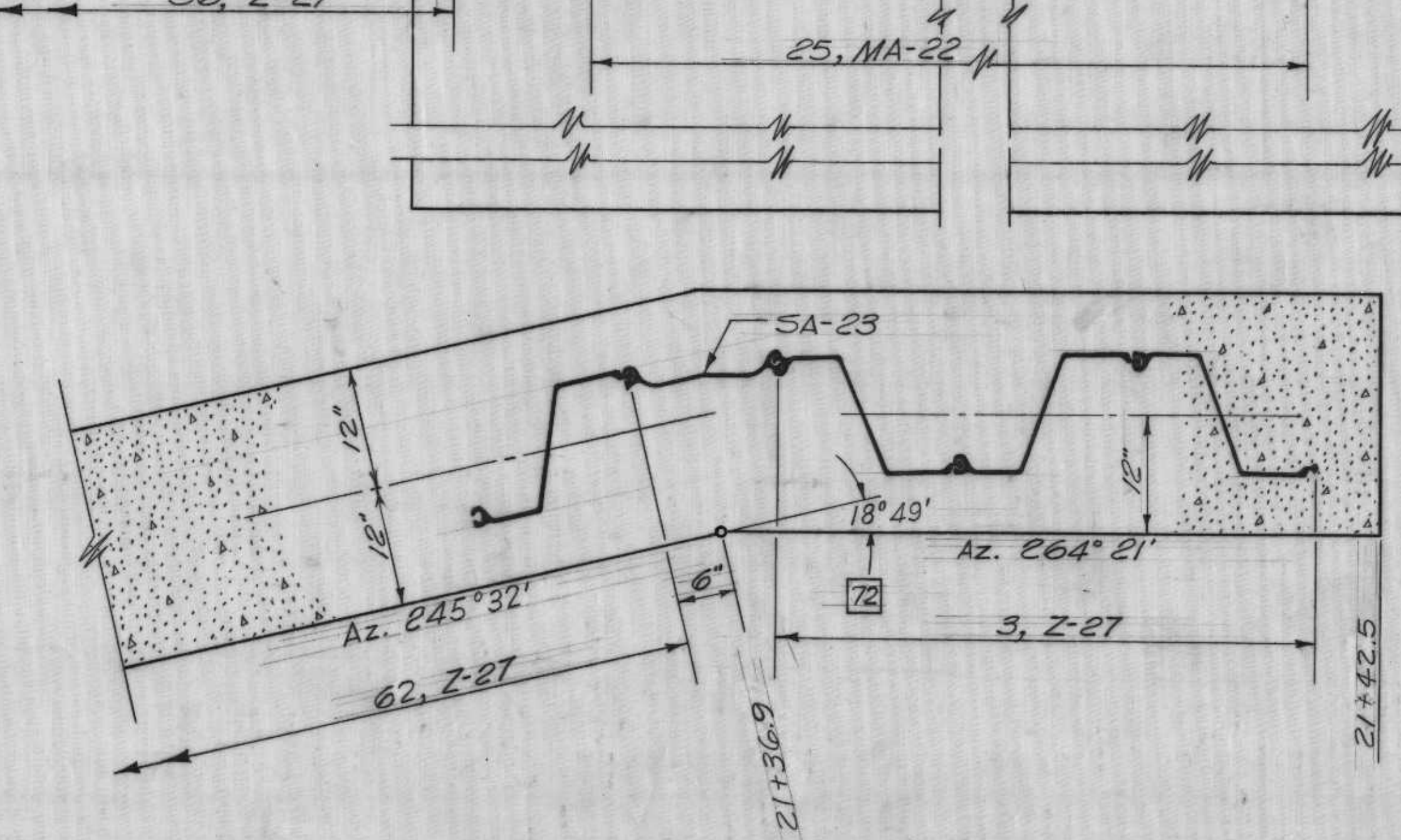
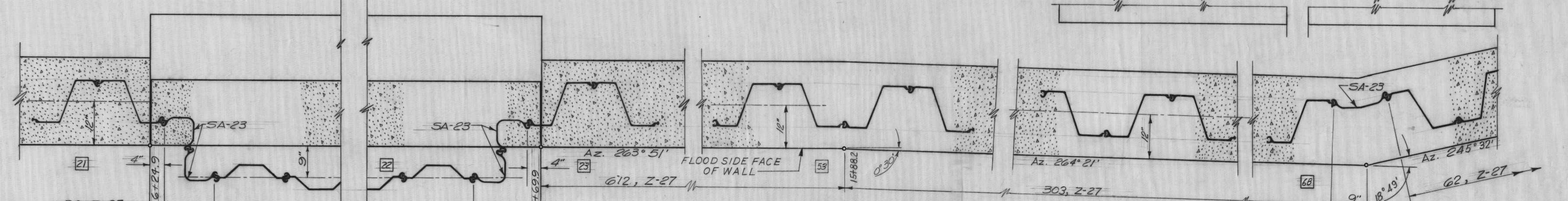
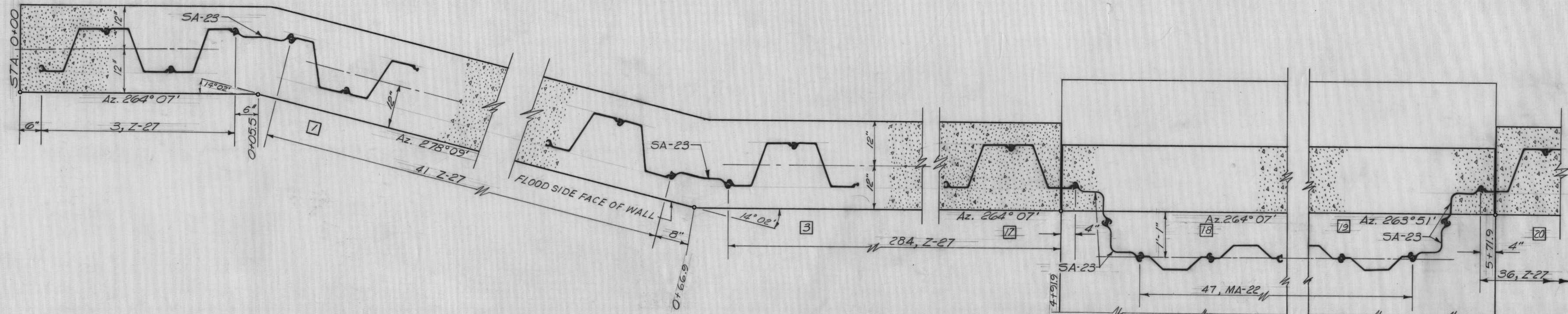


Note: For settlement reference marker schedule, and details see Dwg. 15
 Lengths of monoliths, except for monoliths 18, 19, 22, will be adjusted in the field so that the monolith joints fall on the centerlines of sheet pile interlocks.

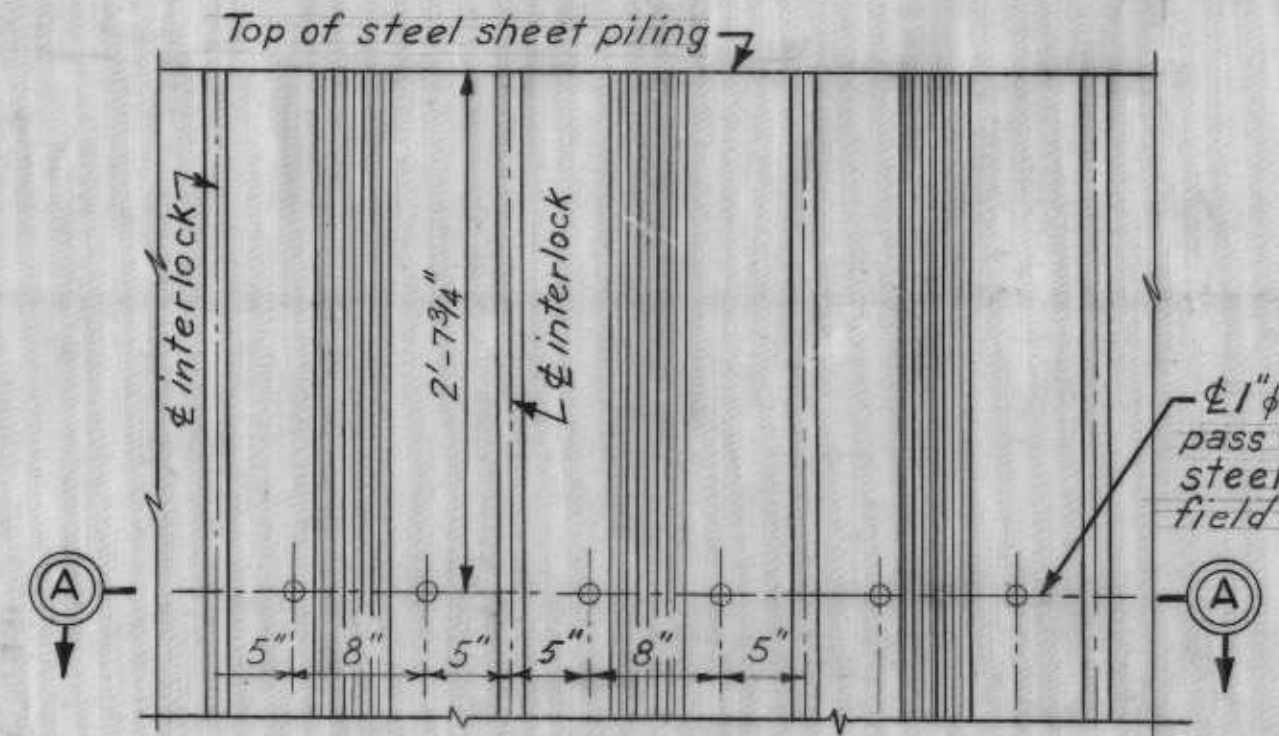
PROFILE
 Scale: Hor. 1" = 20'
 Vert. 1" = 10'

FLOODWALL PROFILE

REVISION	DATE	DESCRIPTION	BY
DESIGNED: W.D.J.	DRAWN: G.P.M.	CHECKED: W.D.J.	
CODE IDENT. NO. SIZE FILE NO. H-8-24403			
DATE: MAY 1968		SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138 DWG. NO. 10 OF 23



PLAN
Scale: 1" = 1'-0"

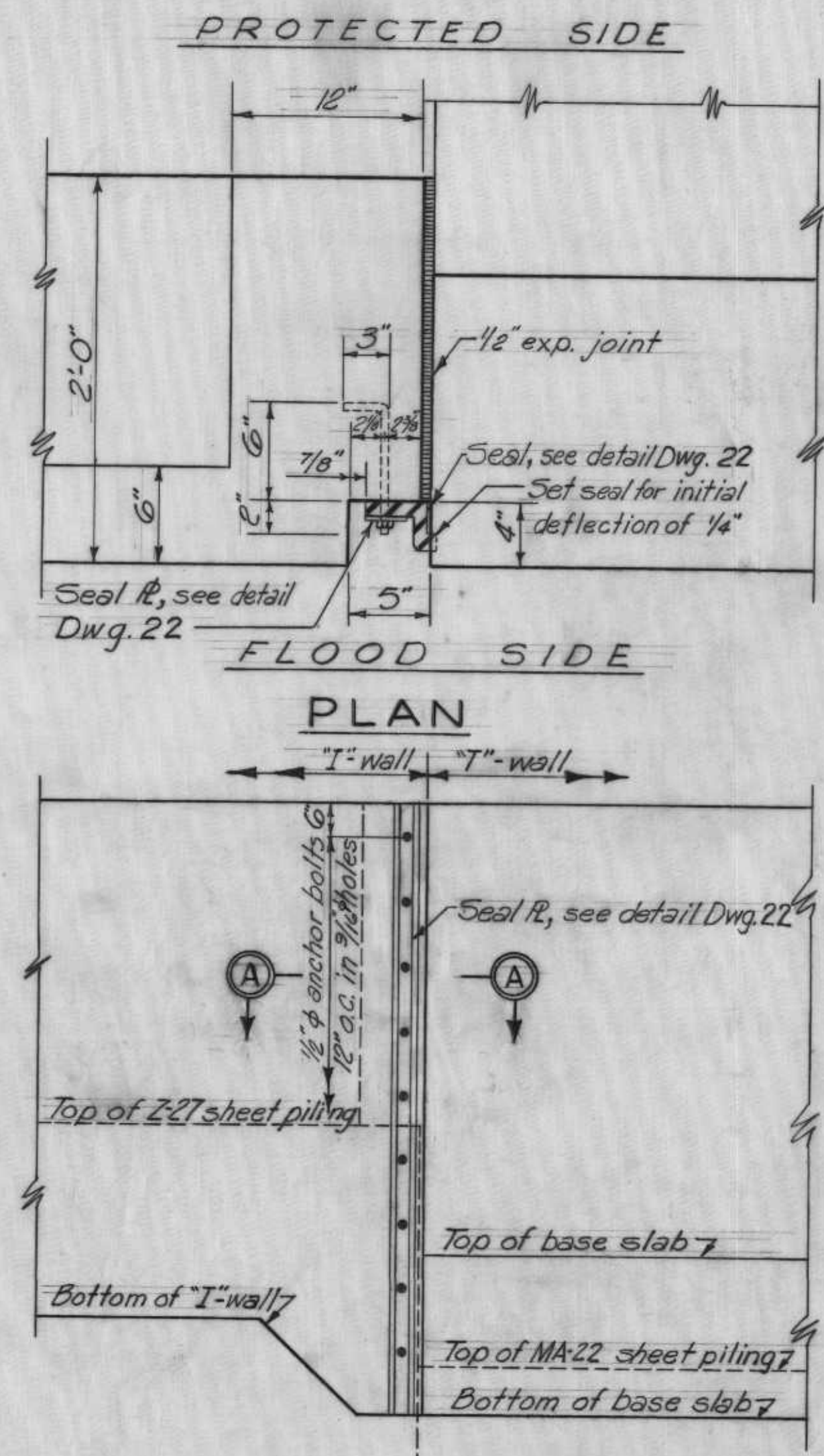


SECTION A-A
DETAIL PRECUT HOLES IN Z-27 SHEET PILING

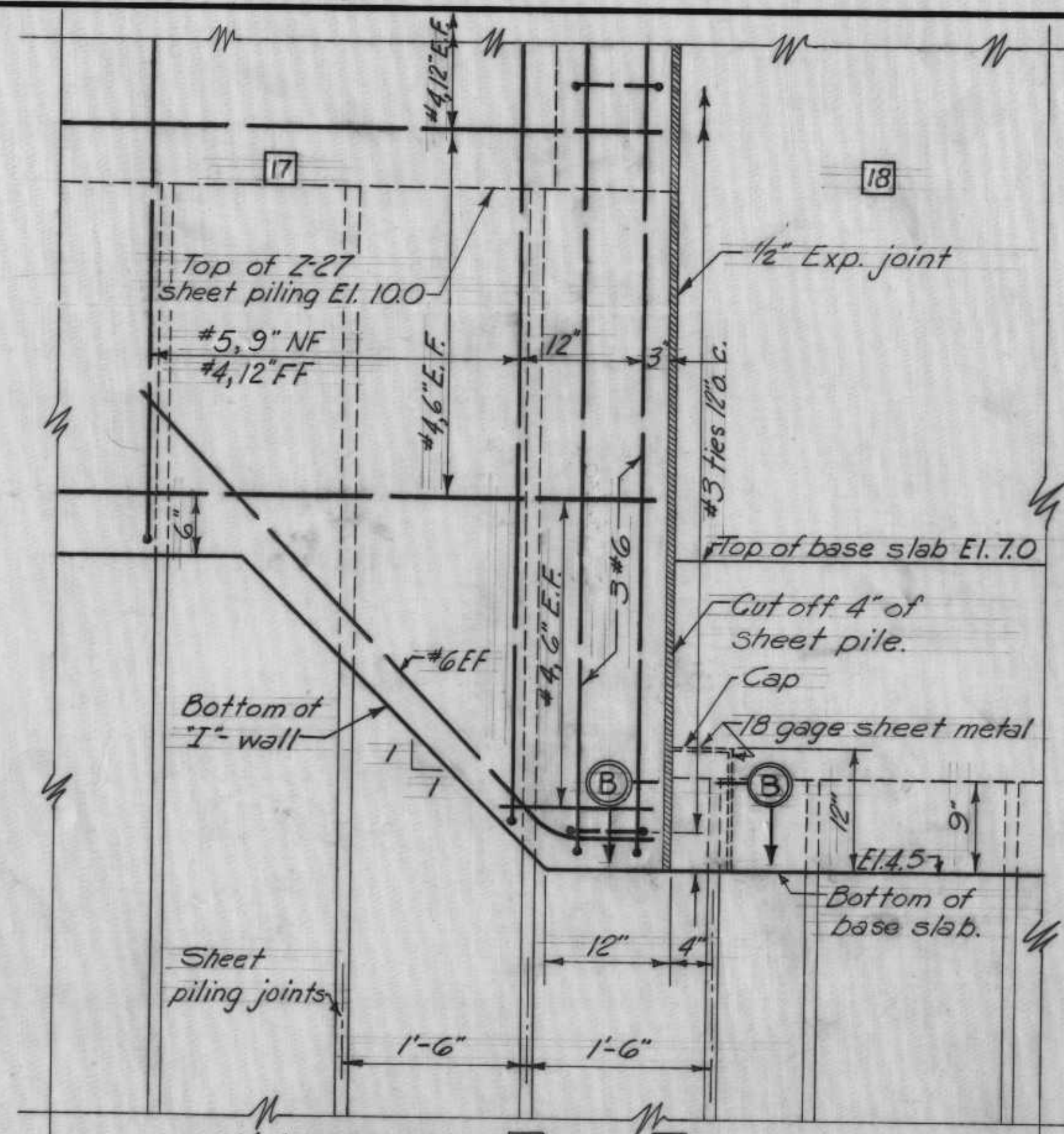
Note:
Distance of holes from top of sheet piling varies for monos. [1], [7] and [72].
Vertical distance to be determined in field for these monos.

Note:
All stations and azimuths refer to the flood side face of the wall.
For general notes see Dwg. 7.

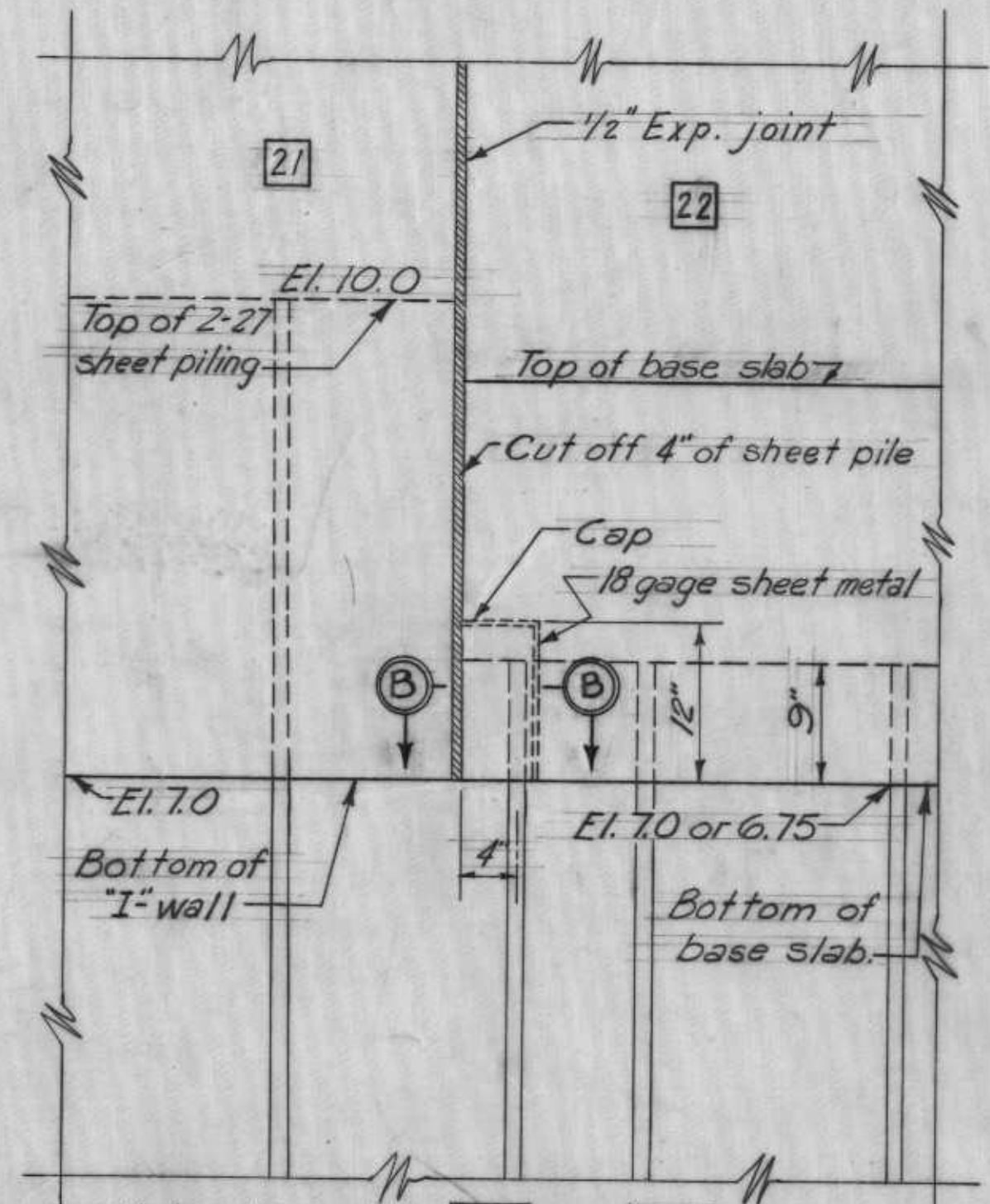
REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
W.D.J.	B.H.D.	W.D.J.	H-8-24403
DATE: MAY 1968		SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138 DWG. NO. 11 OF 23



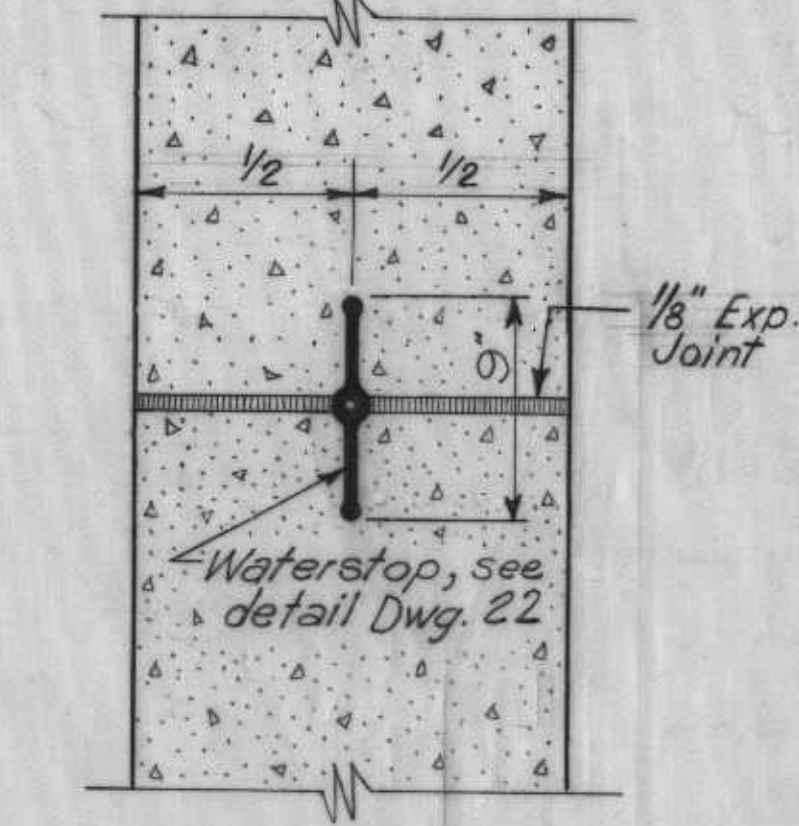
PLAN
Scale: 1" = 1'-0"



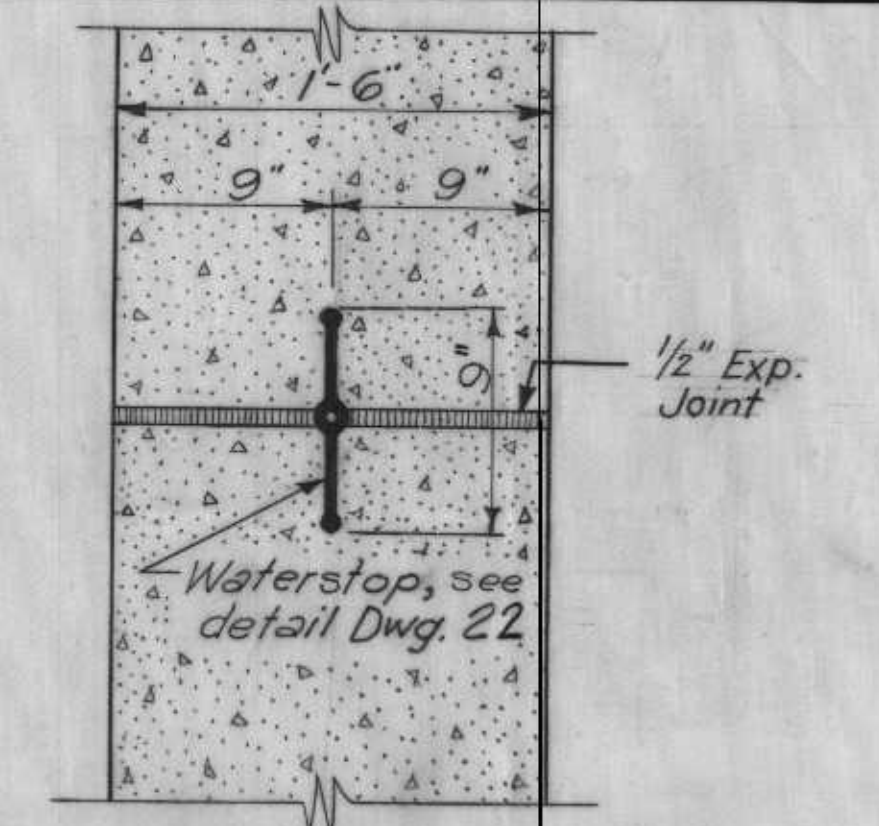
Note: Monoliths 19 and 20 opp. hand.
DETAIL OF TRANSITION FROM "I"-WALL TO "T"-WALL
Scale: 1" = 1'-0"



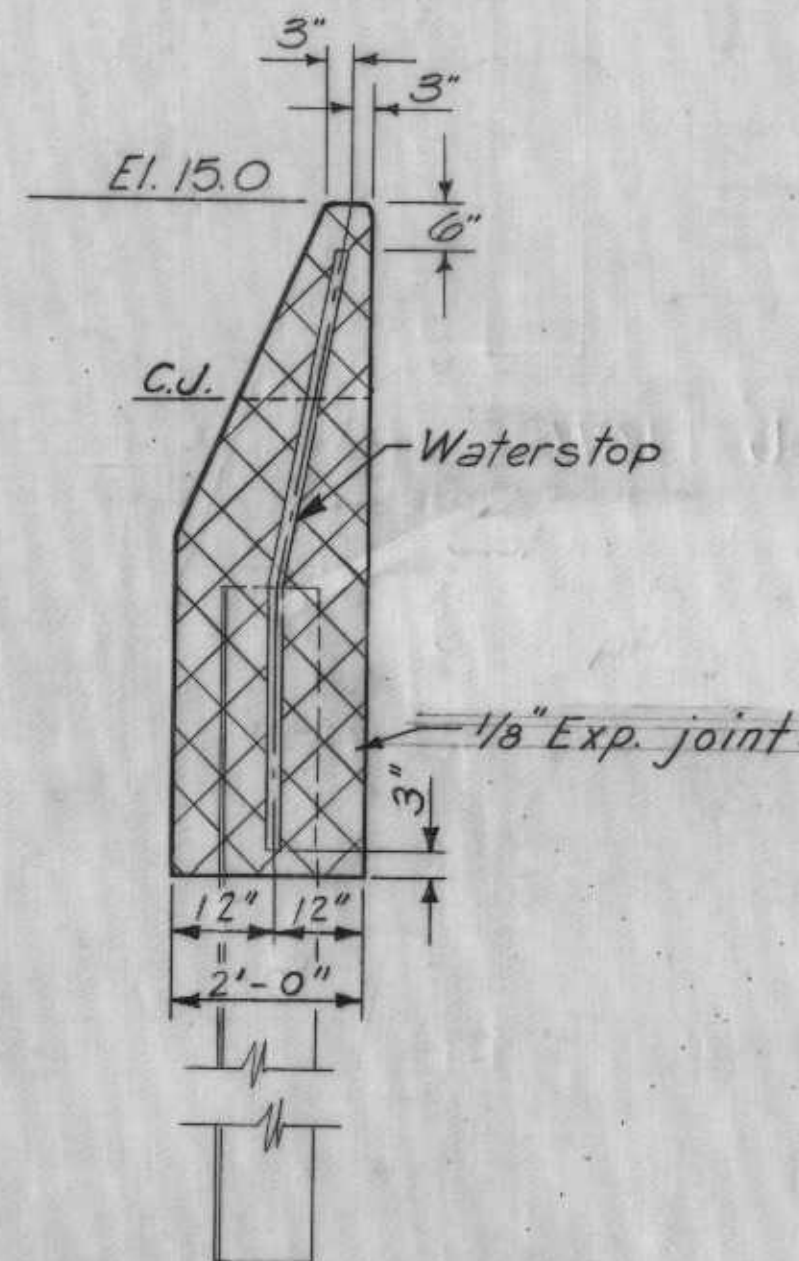
Note: Monoliths 21 and 22 opp. hand.
DETAIL AT "I"-WALL AND GATE
Scale: 1" = 1'-0"



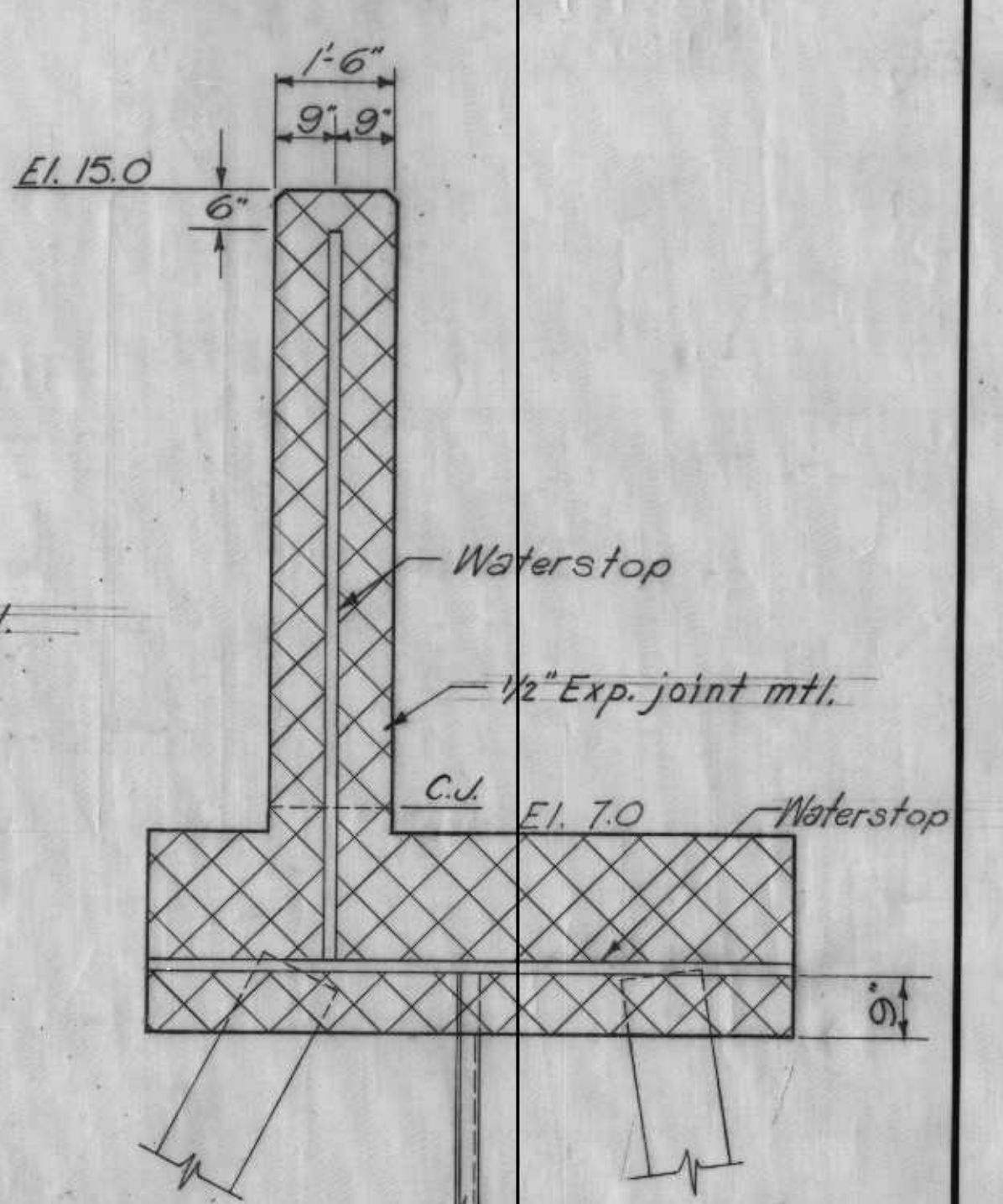
SECTION
Scale: 1/2" = 1'-0"



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

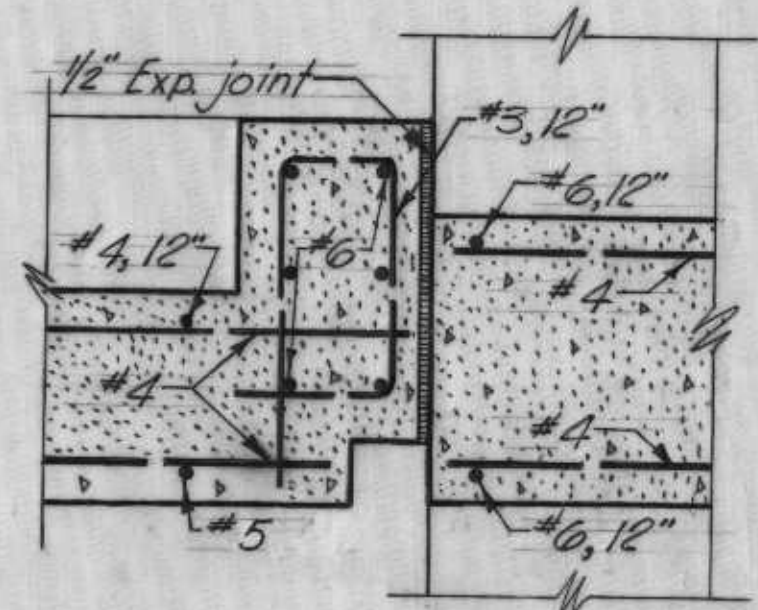


TYPICAL "I"-WALL JOINT
Scale: 1/2" = 1'-0"

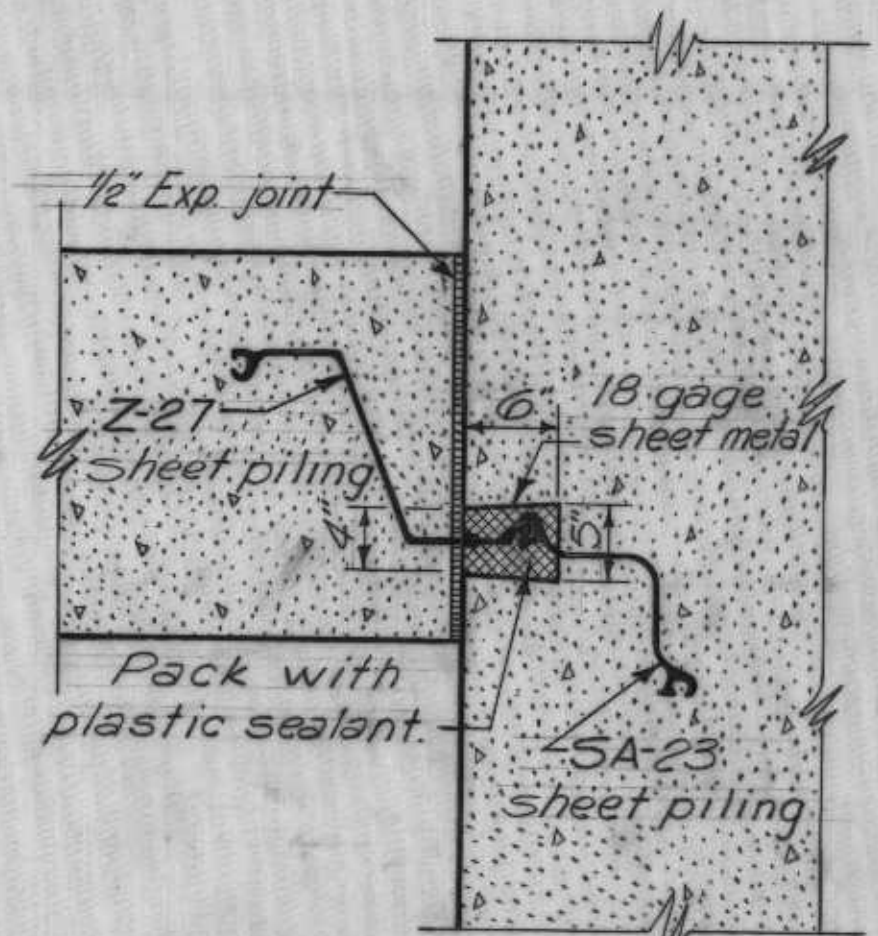


MONOLITH JOINT BETWEEN 18 AND 19
Scale: 1/2" = 1'-0"

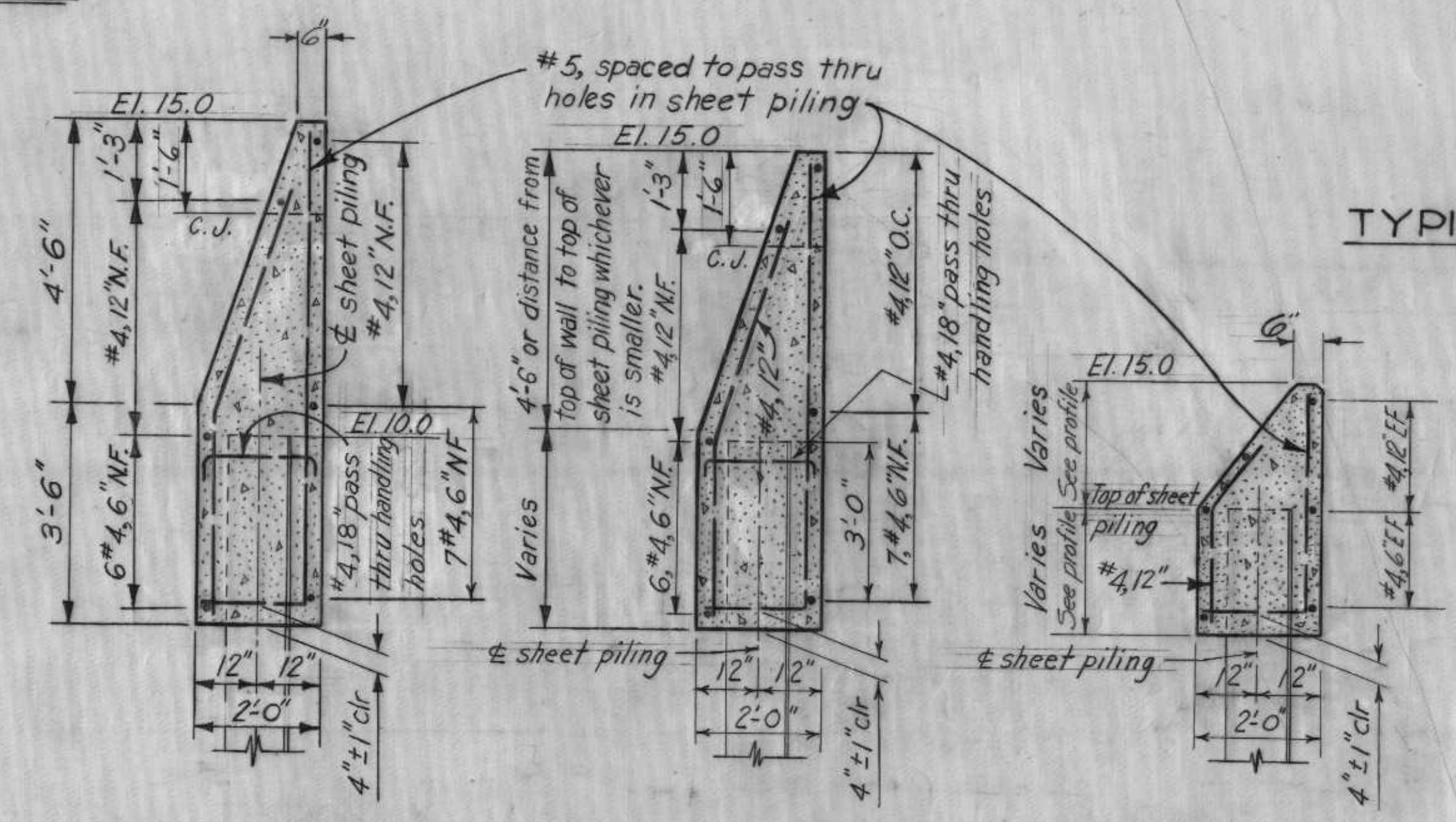
MONOLITH JOINT BETWEEN 17 AND 18, 19 AND 20, 21 AND 22, 22 AND 23
TYPICAL JOINT BETWEEN "I"-WALL AND "T"-WALL



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



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

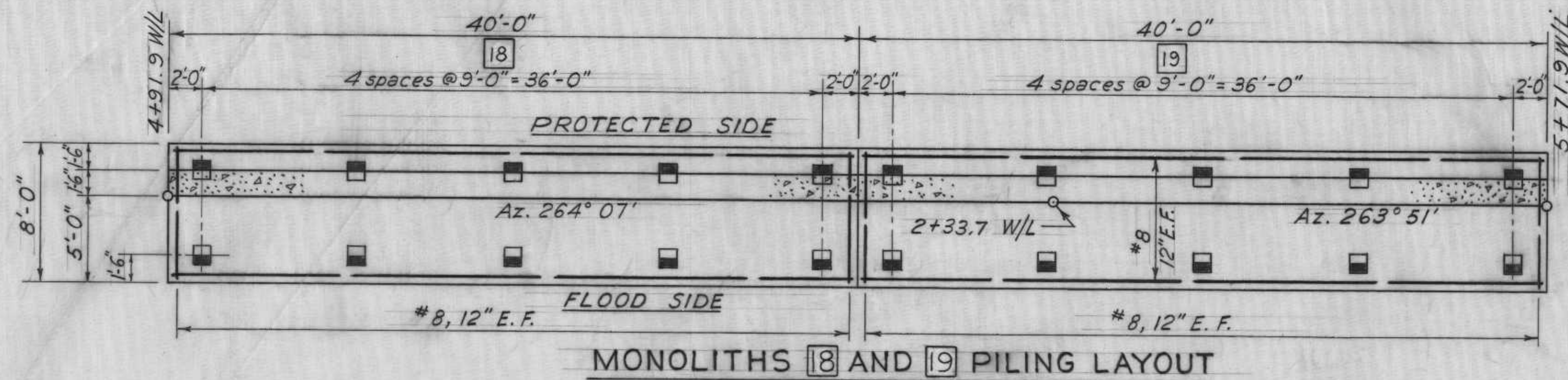


TYPICAL "I"-WALL SECTIONS
Scale: 1/2" = 1'-0"

TYPICAL MONOLITH JOINTS

Note:
For general notes see Dwg. 7
For steel sheet piling plan see Dwg. 11.

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DATE:	CHECKED:	BY:
W.D.J.	MAY 1968	B.H.D.	W.D.J.
DATE:		SCALE: SHOWN	FILE NO.
MAY 1968		SPEC. NO. DACW2358-B-0138	H-8-24403
DWG. NO. 13 OF 23		CITRUS BACK LEVEE (I.H.N.C. TO PARIS ROAD)	



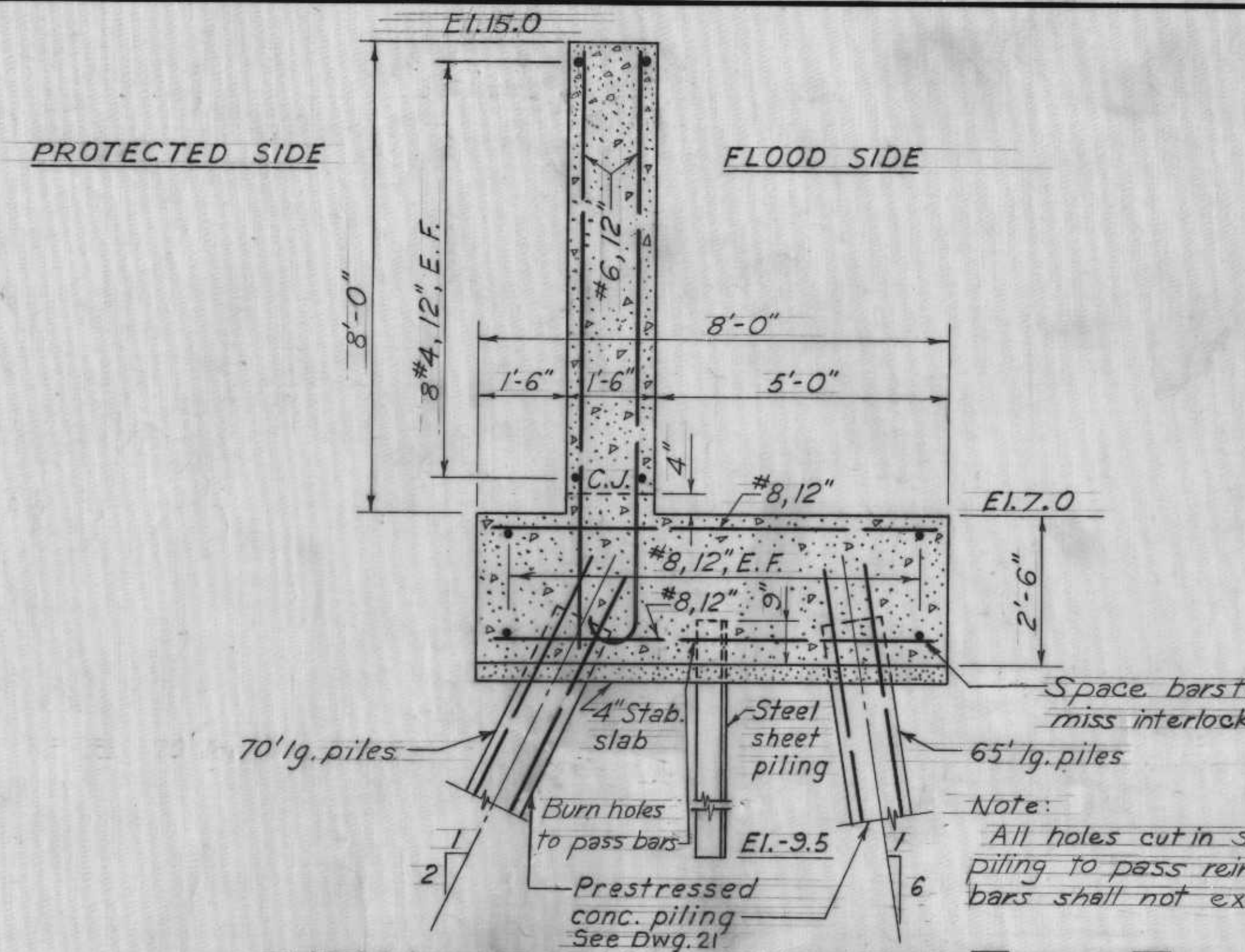
MONOLITHS 18 AND 19 PILING LAYOUT

Scale: 3/16" = 1'-0"

LEGEND

- 12"x12" prestressed concrete pile battered 1 on 2 protected side
- 12"x12" prestressed concrete pile battered 1 on 6 flood side

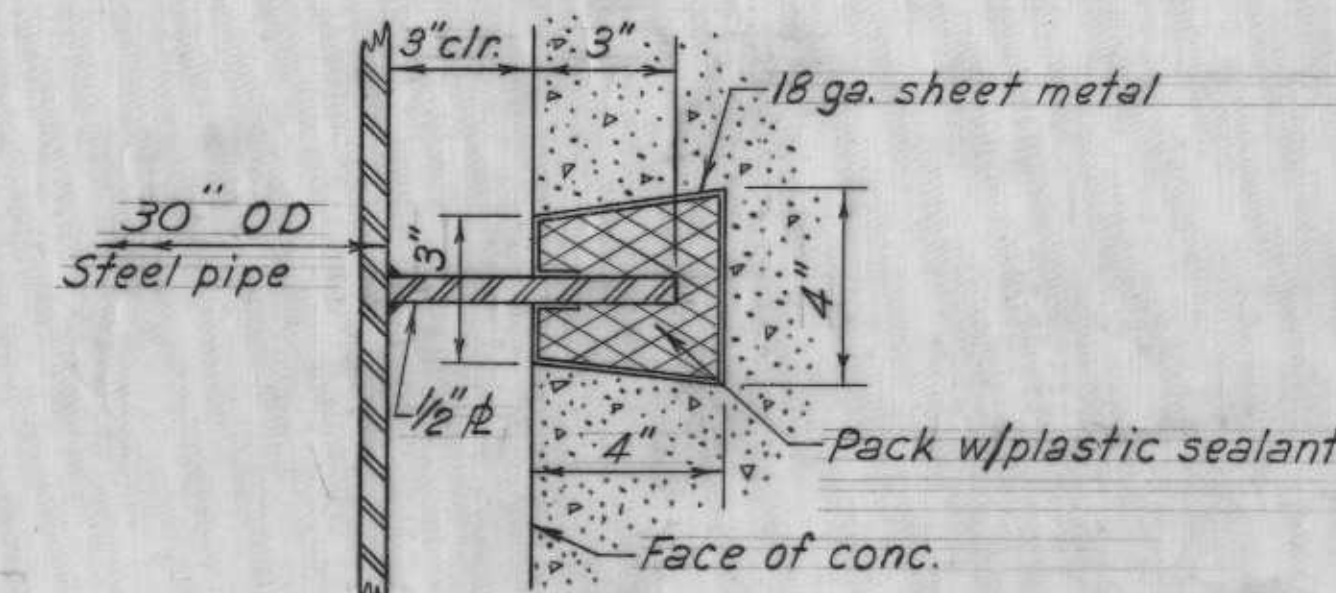
Note: 30" discharge pipes in mono. #8 not shown.



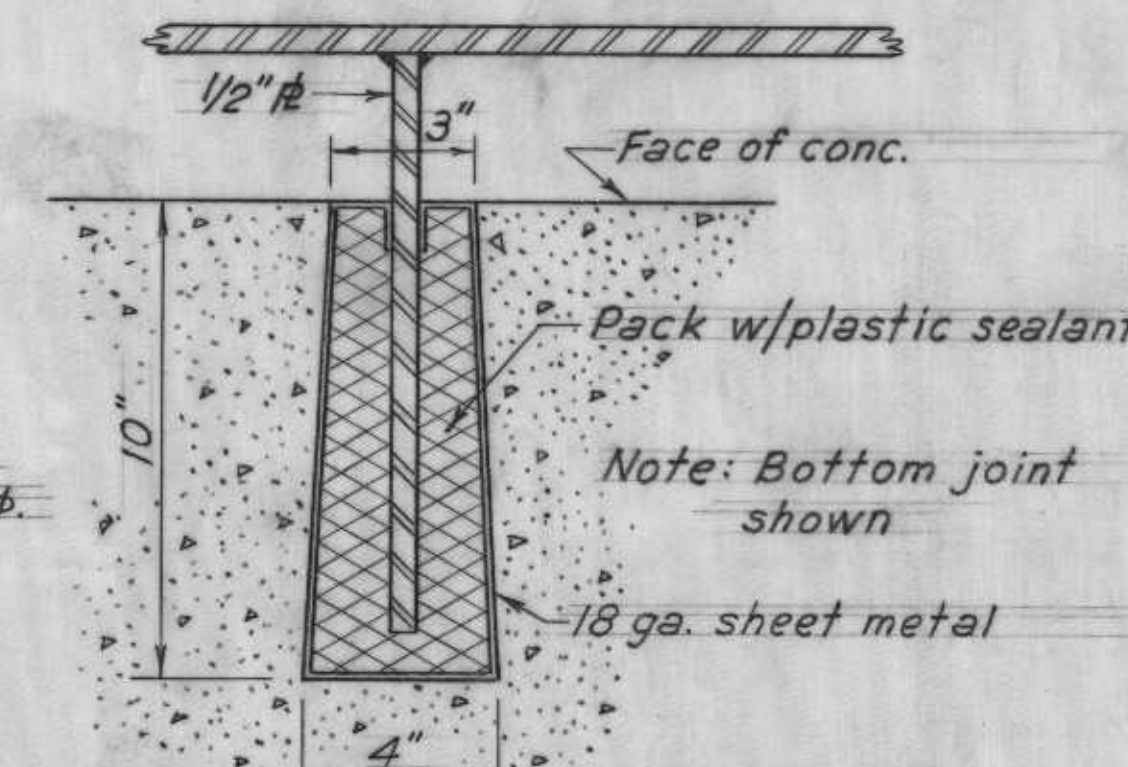
TYPICAL SECTION MONOLITHS 18 AND 19

(Except at pipe line crossings)

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

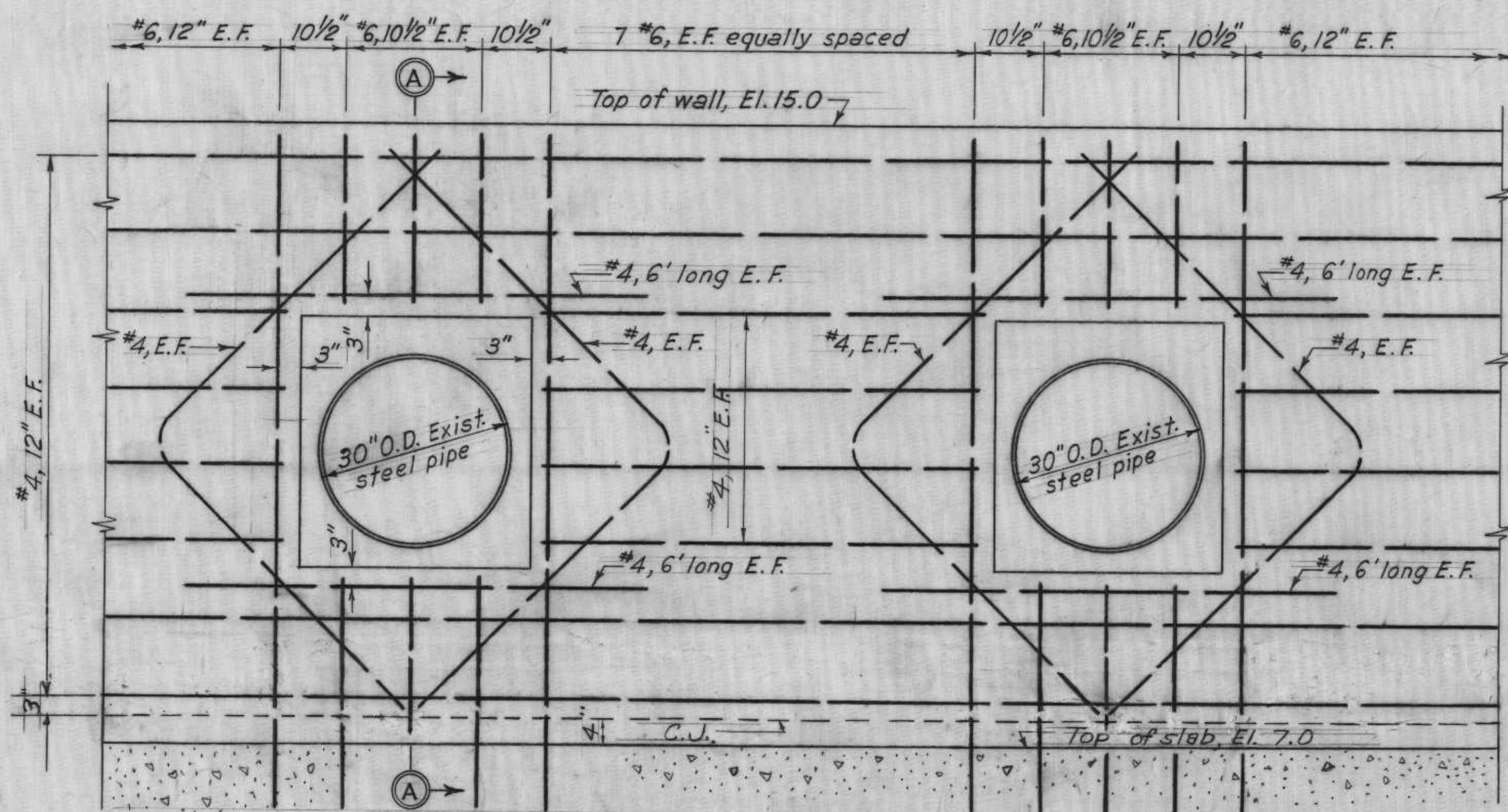


DETAIL OF SIDE SLIP JOINT



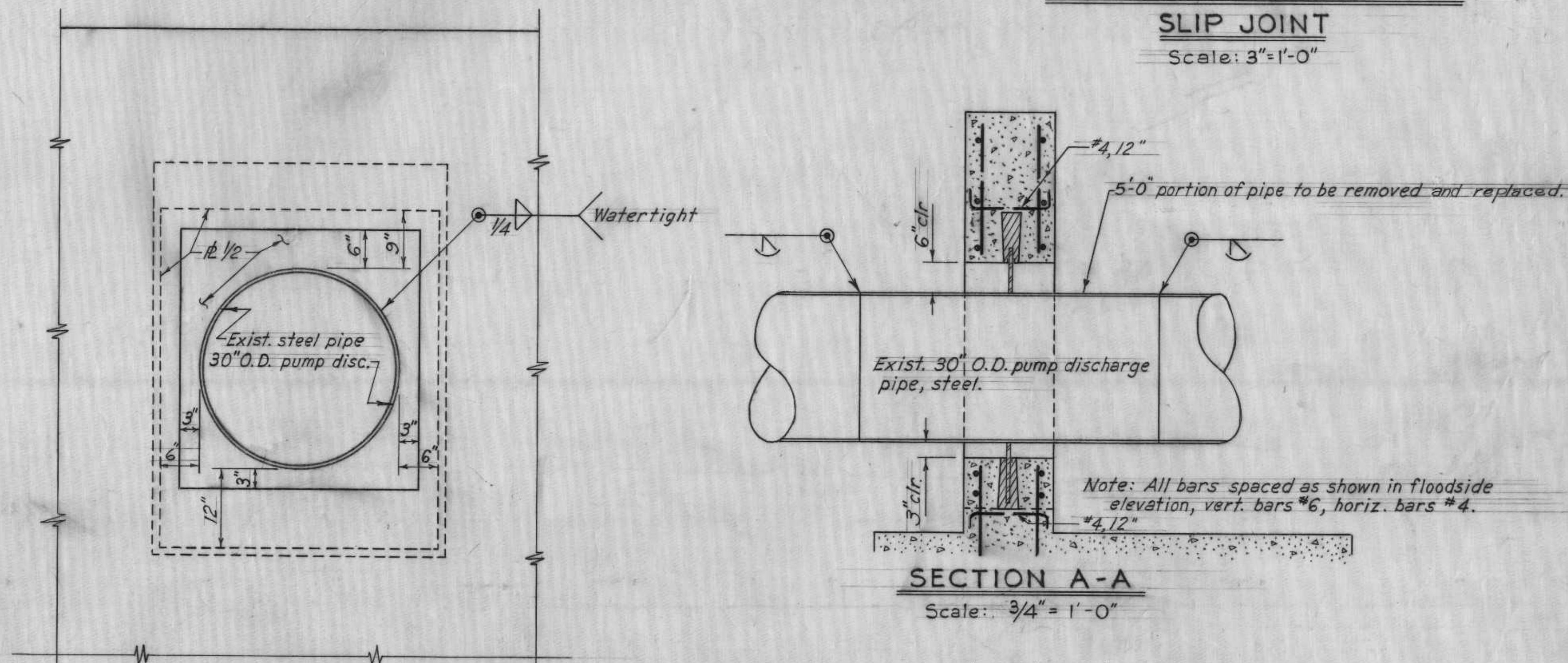
DETAIL OF TOP AND BOTTOM SLIP JOINT

Scale: 3" = 1'-0"



FLOOD SIDE ELEVATION AT PUMP DISCHARGE PIPE CROSSINGS - MONOLITH 19

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



ELEVATION AT DISCHARGE LINE

Scale: 1" = 1'-0"

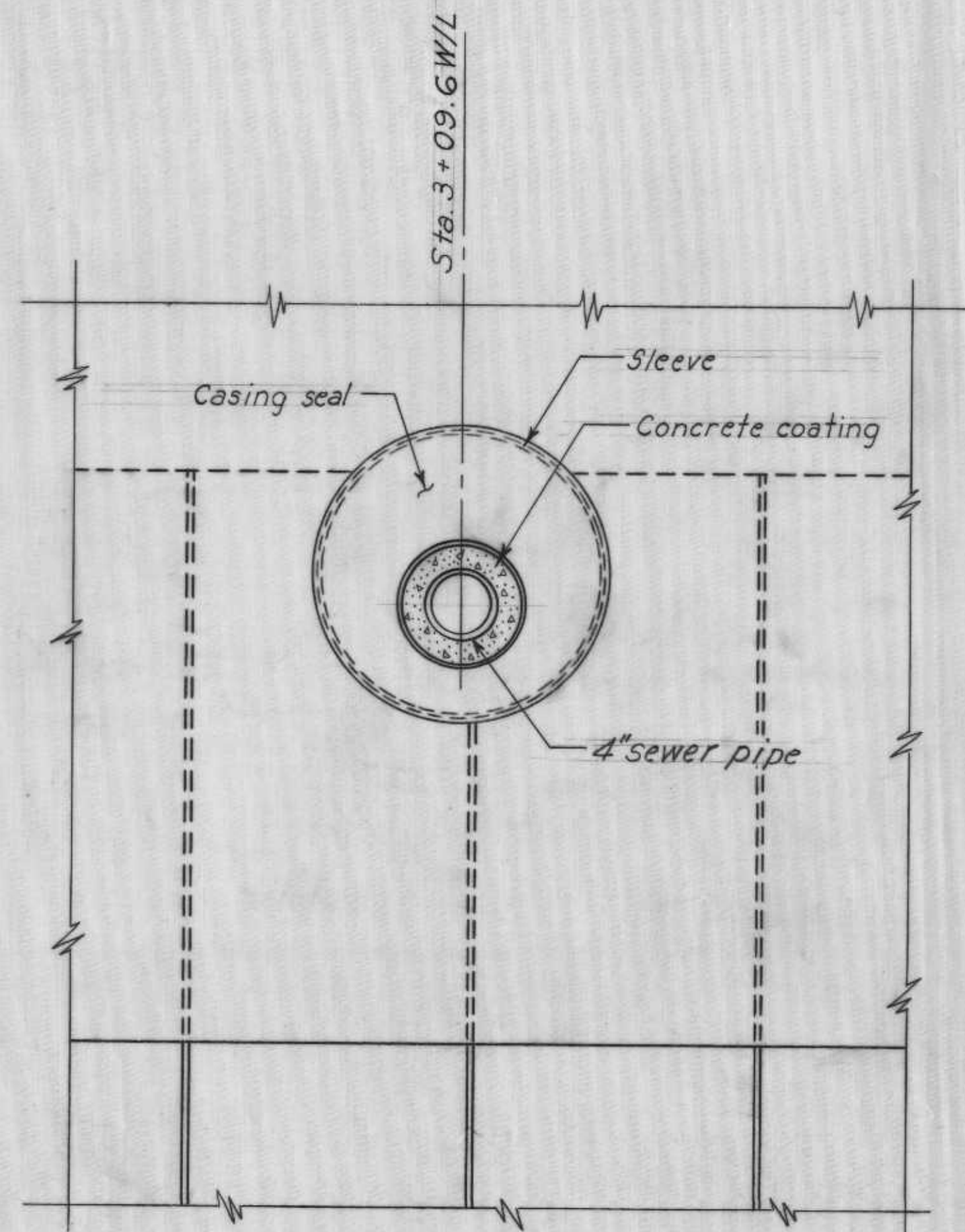
Note:
For general notes see Dwg. 7.
For prestressed concrete piling see Dwg. 22.

SECTION A-A

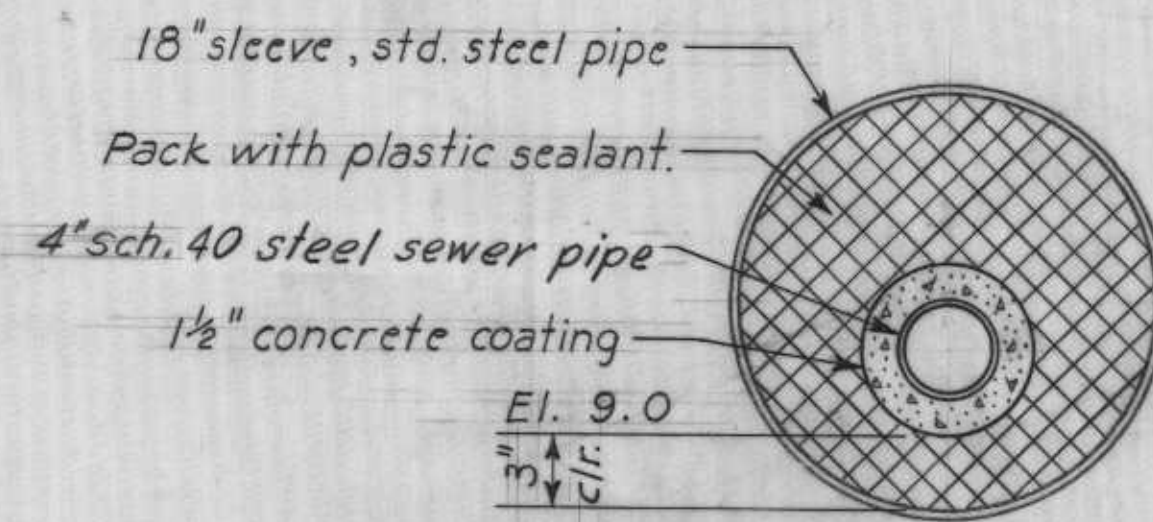
Scale: 3/4" = 1'-0"

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	W.D.J.	DRAWN:	E.L.M.
CHECKED:	W.D.J.	CODE IDENT. NO.	SIZE
FILE NO.		H-8-24403	
DATE:	MAY 1968	SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138
DWG. NO.		14 OF 23	

WALL AT DISCHARGE PIPES - MONOLITHS 18 & 19

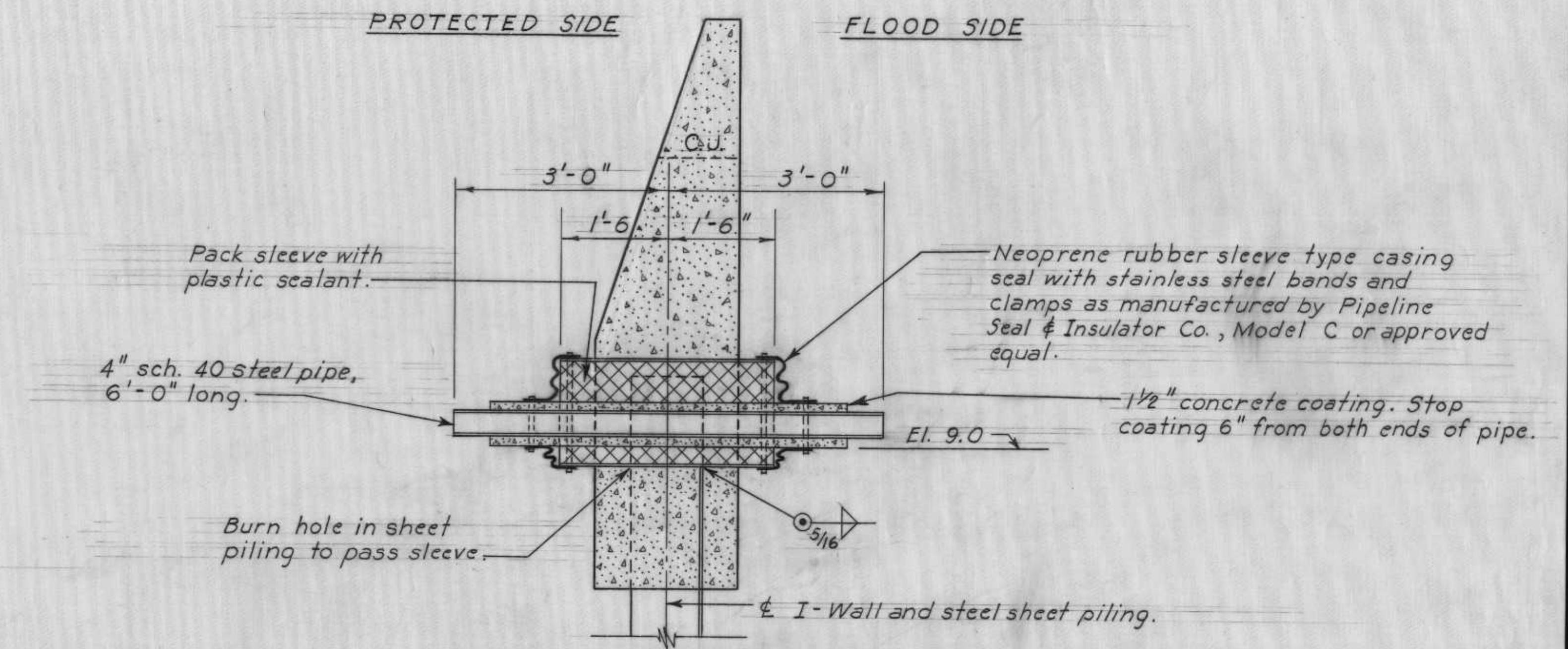


ELEVATION
Scale: 1/2" = 1'-0"

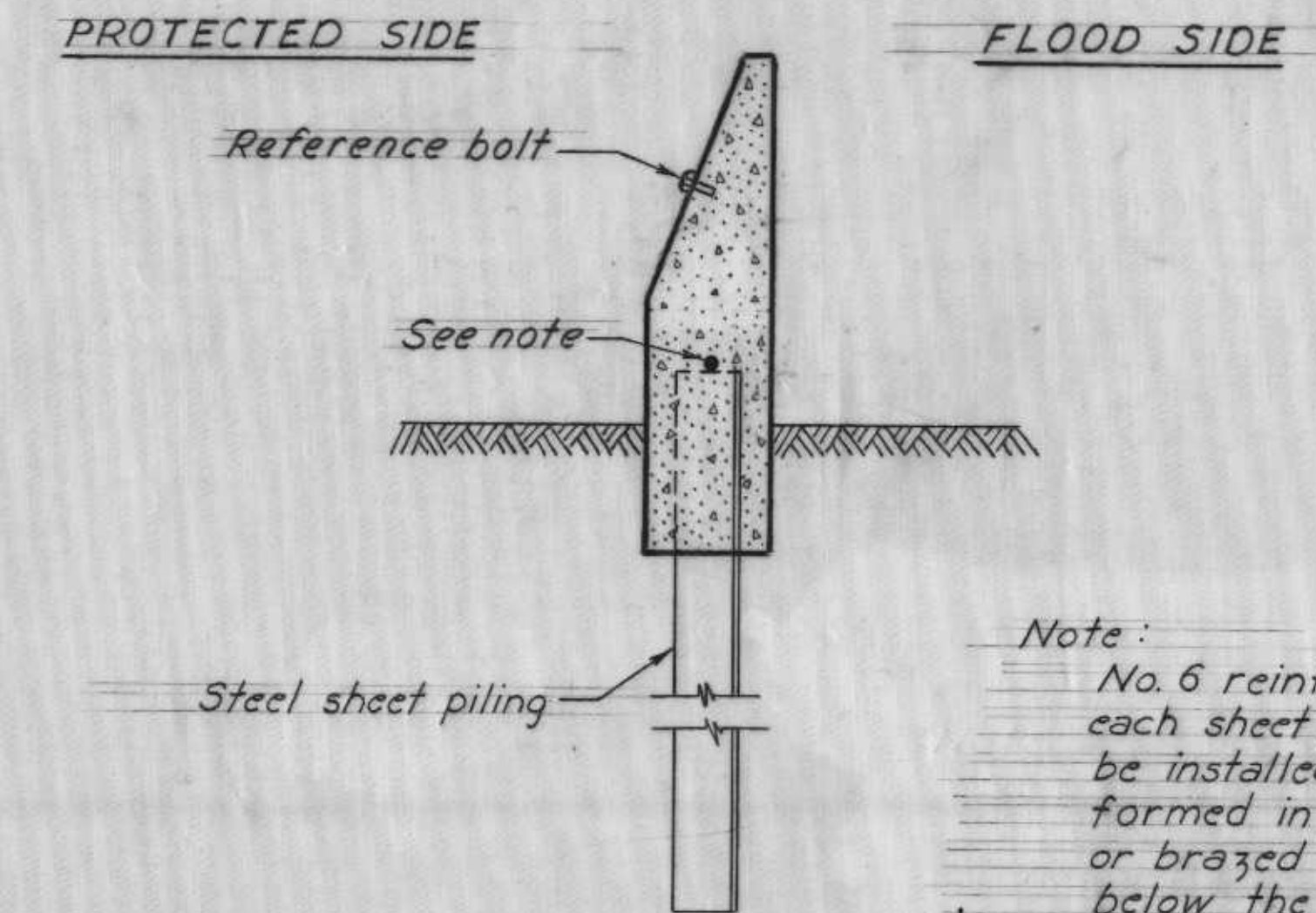


SECTION THRU PIPE
Scale: 1/2" = 1'-0"

UTILITY CROSSING

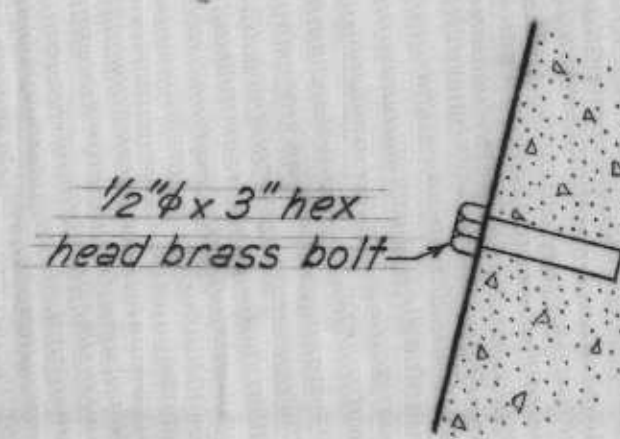


4" SEWER PIPE THRU I-WALL
Scale: 3/4" = 1'-0"



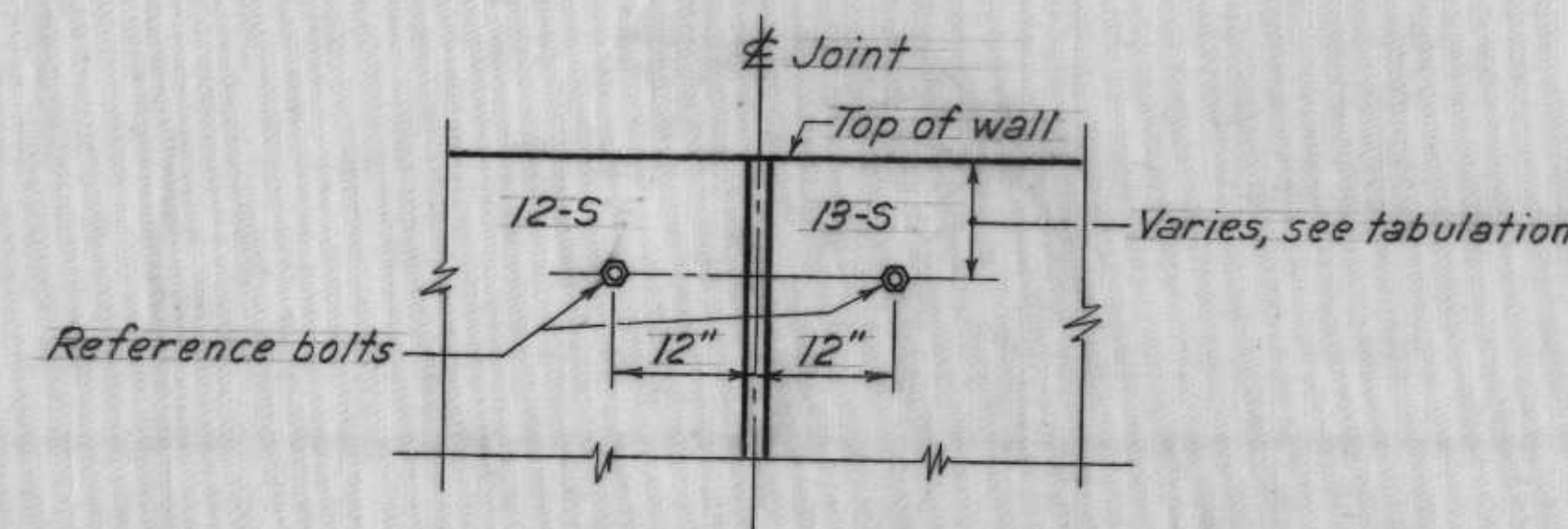
CORROSION PROTECTION
Scale: 3/8" = 1'-0"

SETTLEMENT REFERENCE MARKER SCHEDULE					
NO.	W/L STATION	DISTANCE BELOW TOP OF WALL	NO.	W/L STATION	DISTANCE BELOW TOP OF WALL
1 - S	0 + 01	0.5'	19 - S	10 + 01	2.0'
2 - S	0 + 59		20 - S	11 + 51	
3 - S	0 + 61		21 - S	8 + 53	
4 - S	1 + 49		22 - S	13 + 01	
5 - S	1 + 51		23 - S	13 + 03	
6 - S	2 + 99	2.0'	24 - S	14 + 51	
7 - S	3 + 01		25 - S	14 + 53	
8 - S	4 + 49		26 - S	16 + 01	
9 - S	4 + 51		27 - S	16 + 03	
10 - S	5 + 30.9		1.0'	28 - S	
11 - S	5 + 32.9	29 - S		17 + 53	
12 - S	6 + 23.9	30 - S		19 + 01	
13 - S	6 + 25.9	31 - S		19 + 03	
14 - S	6 + 68.9	2.0'		32 - S	
15 - S	6 + 70.9		33 - S	20 + 53	
16 - S	8 + 49		34 - S	20 + 90	
17 - S	8 + 51		35	20 + 92	
18 - S	9 + 99		0.5'	36	



REFERENCE MARKER

Note: Reference bolts are to be located as indicated on details; stations on bolt schedule give approximate location only. Stations will vary due to adjustment of monolith lengths.

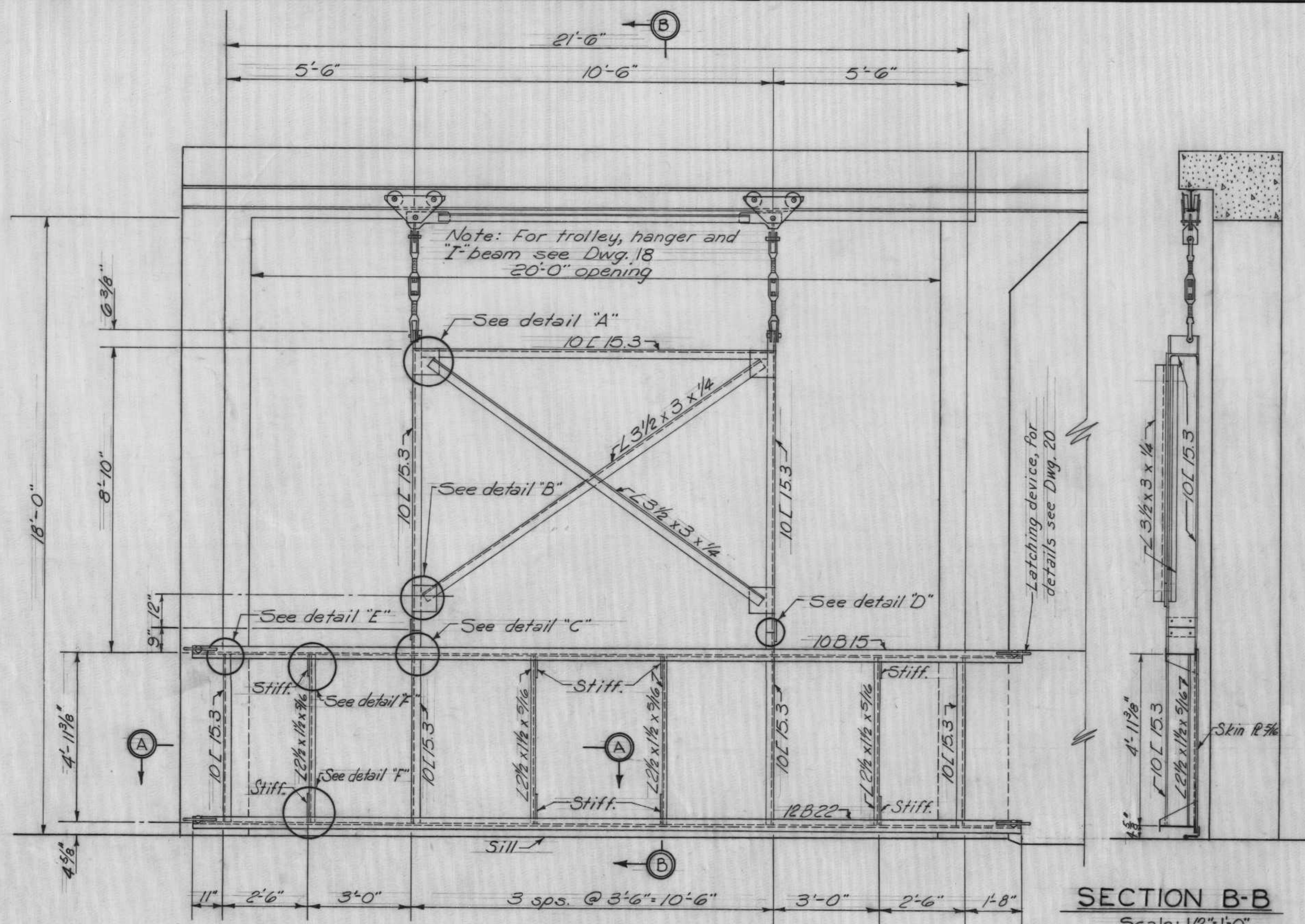


ELEVATION TYPICAL REFERENCE MARKER
Scale: 3/4" = 1'-0"

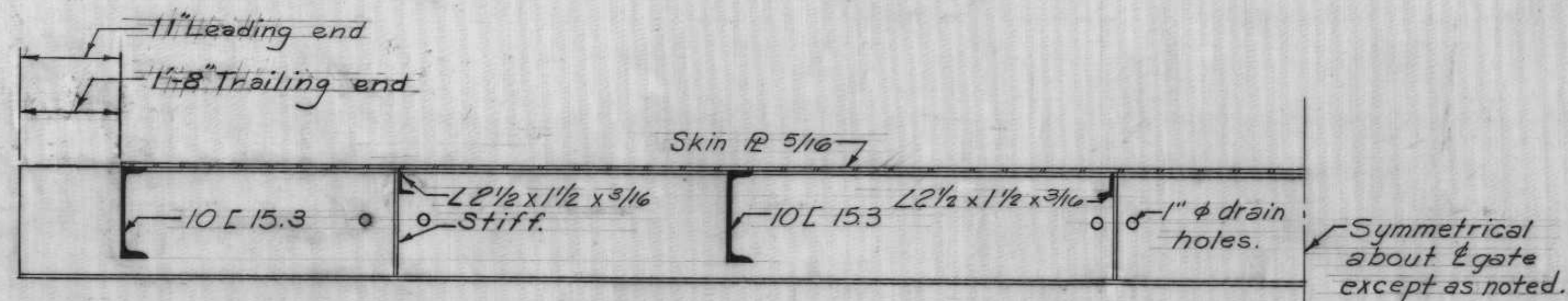
UTILITY CROSSING AND REFERENCE MARKERS

REVISION	DATE	DESCRIPTION	BY
DESIGNED: W.D.J.	DRAWN: E.L.M. J.J.P.	CHECKED: W.D.J.	FILE NO. H-8-24403
DATE: MAY 1968		SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138

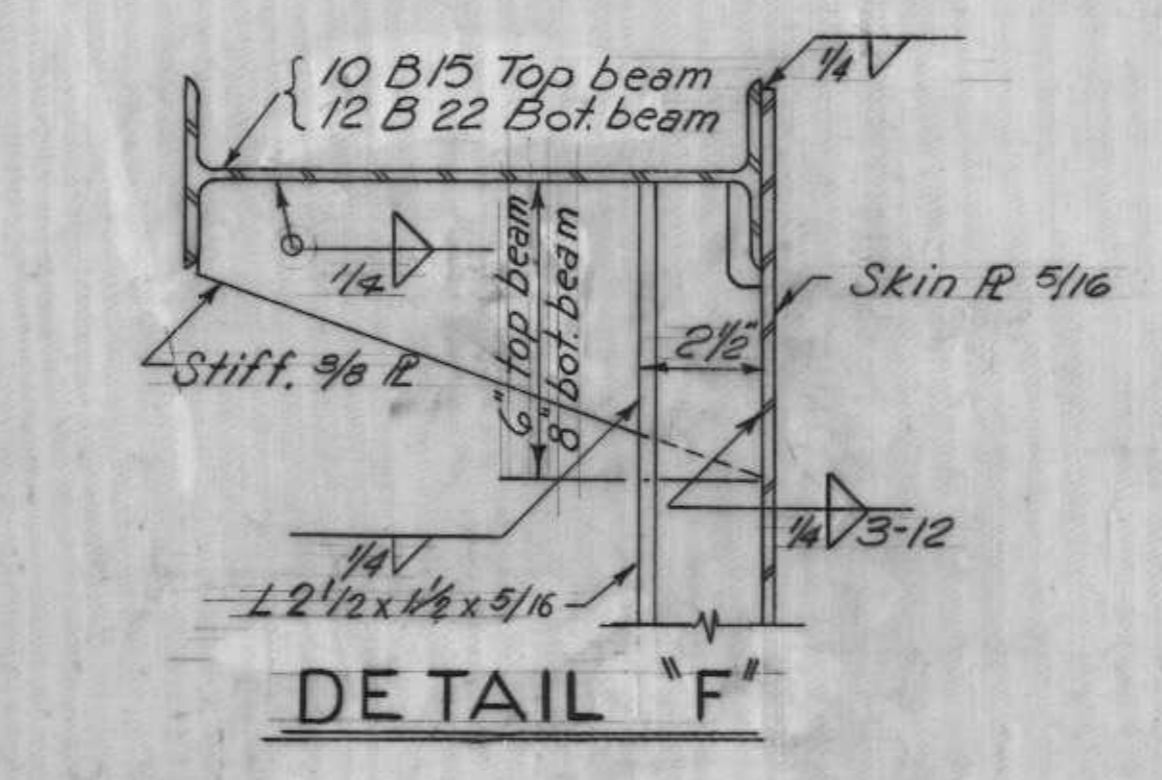
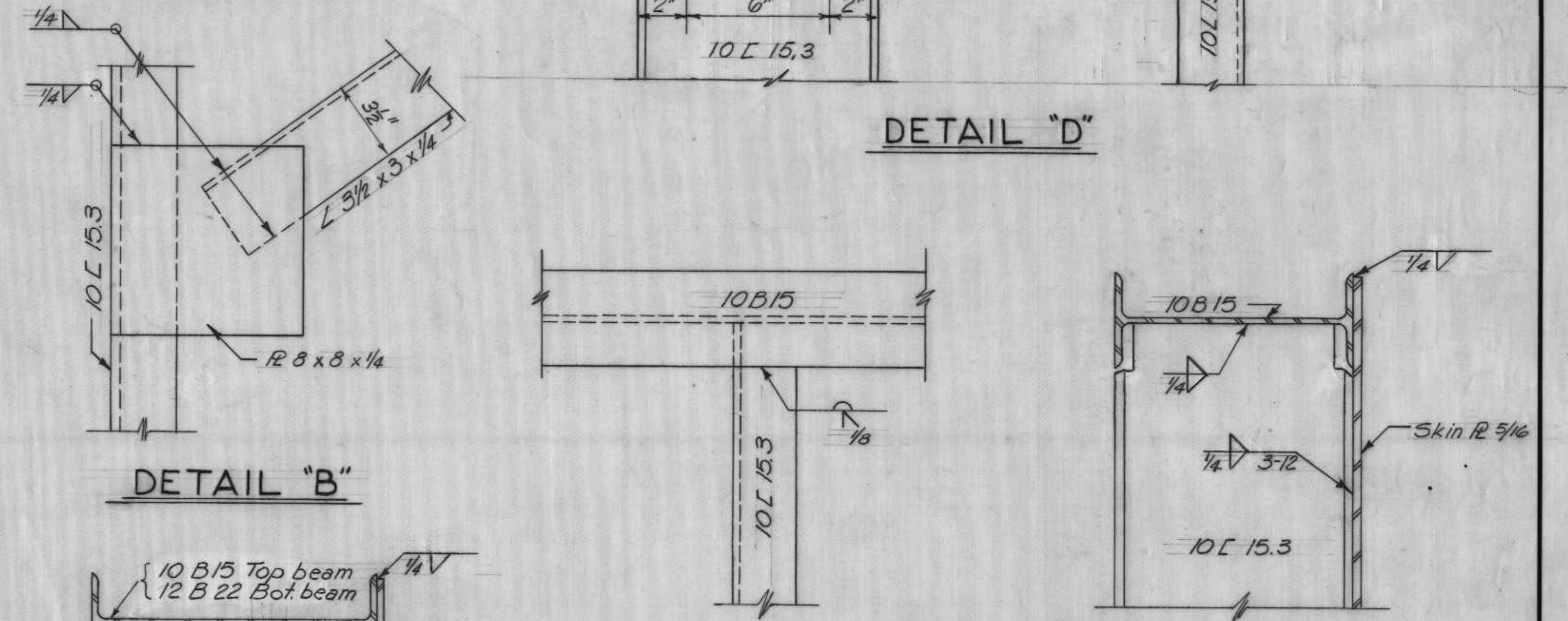
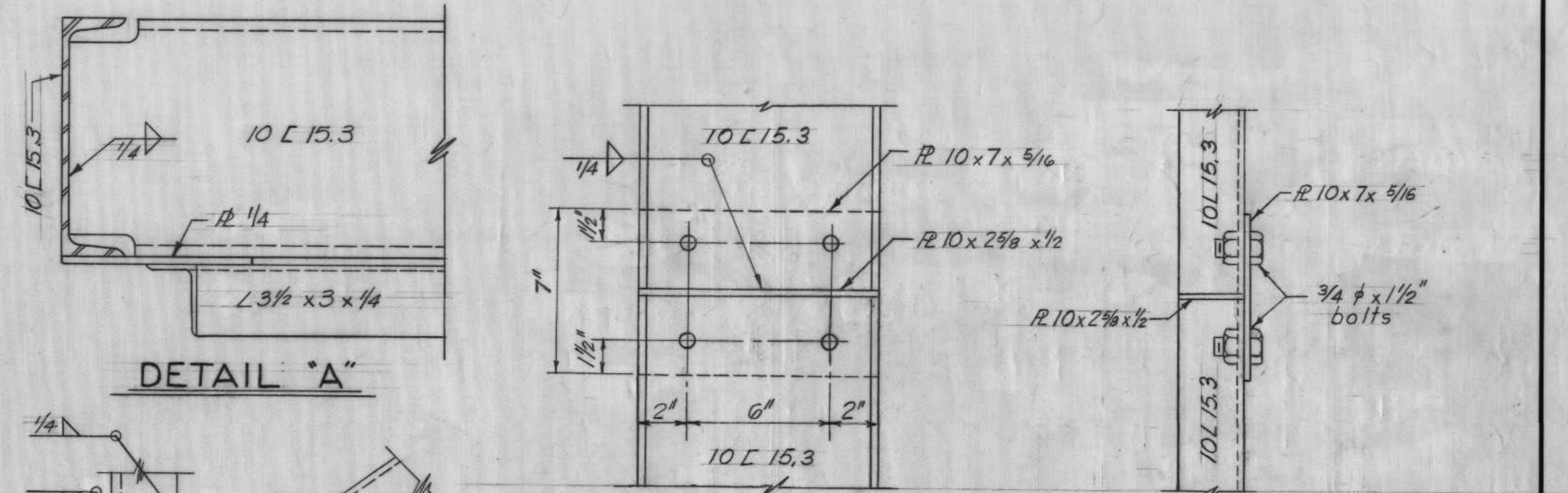
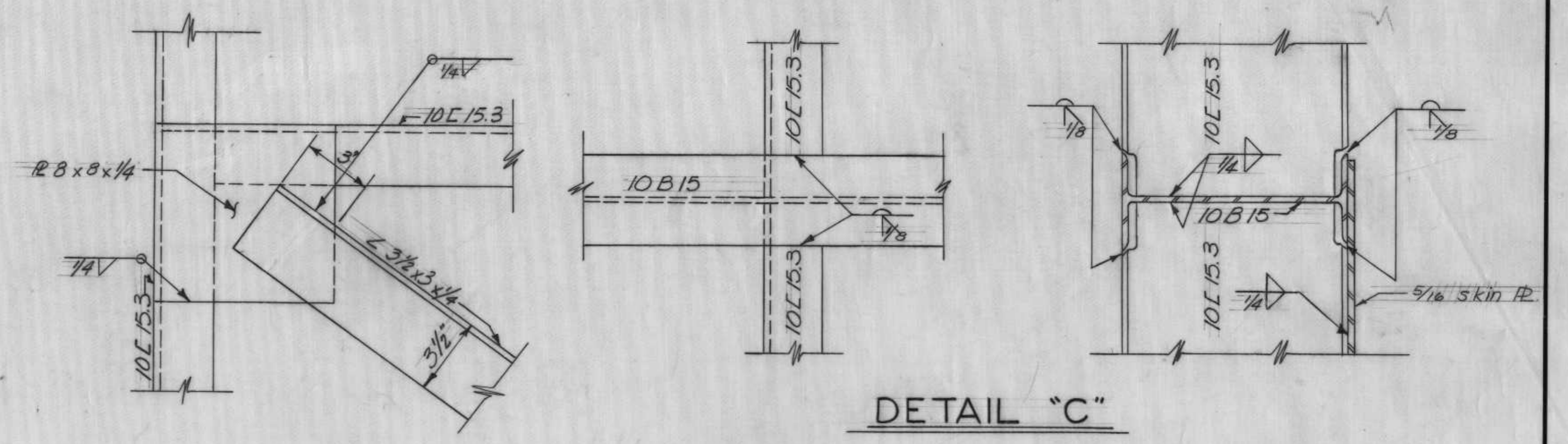
DWG. NO. 15 OF 23
CITRUS BACK LEVEE (I.H.N.C. TO PARIS ROAD)



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



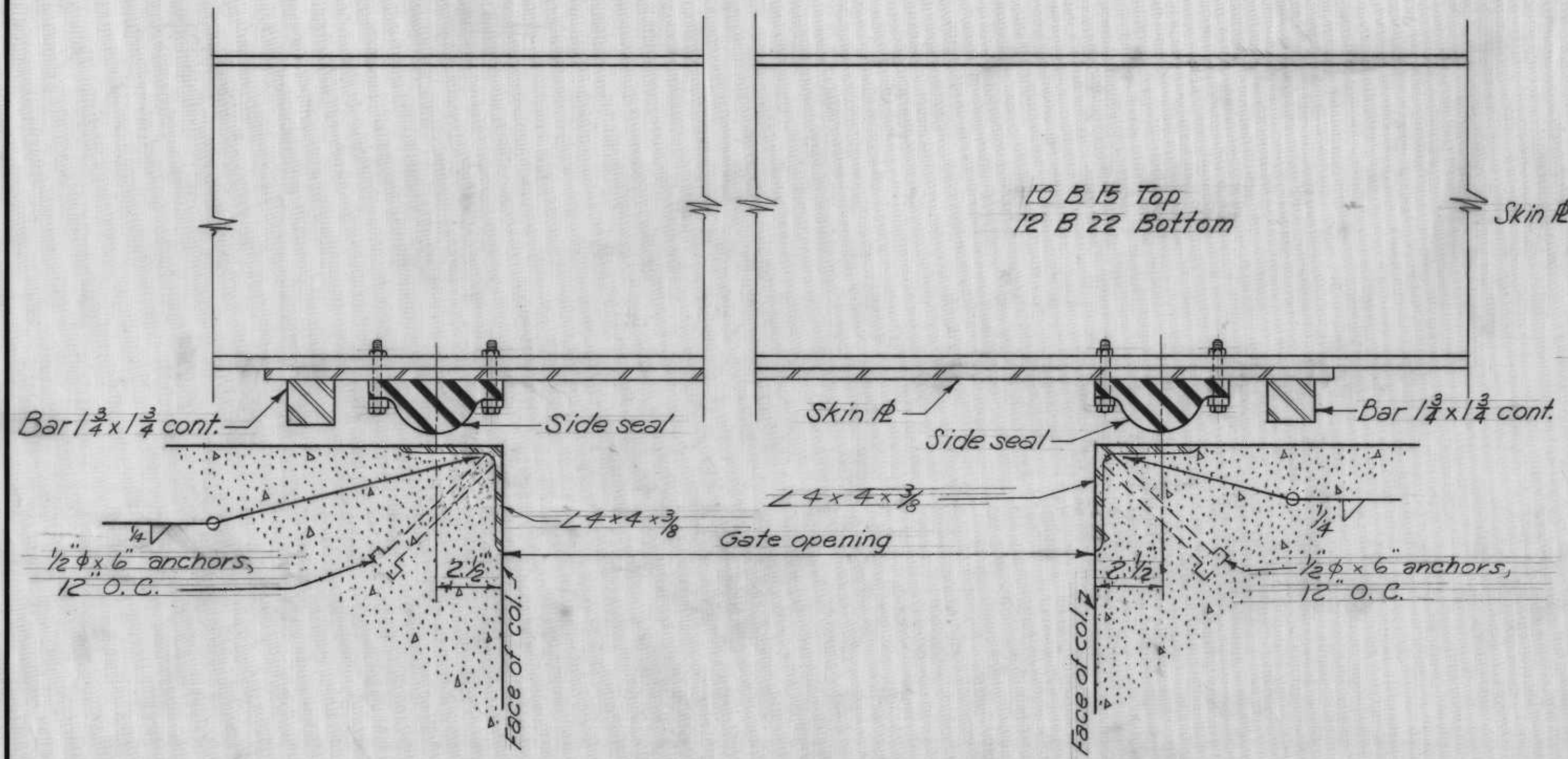
SECTION A-A
Scale: 1" = 1'-0"



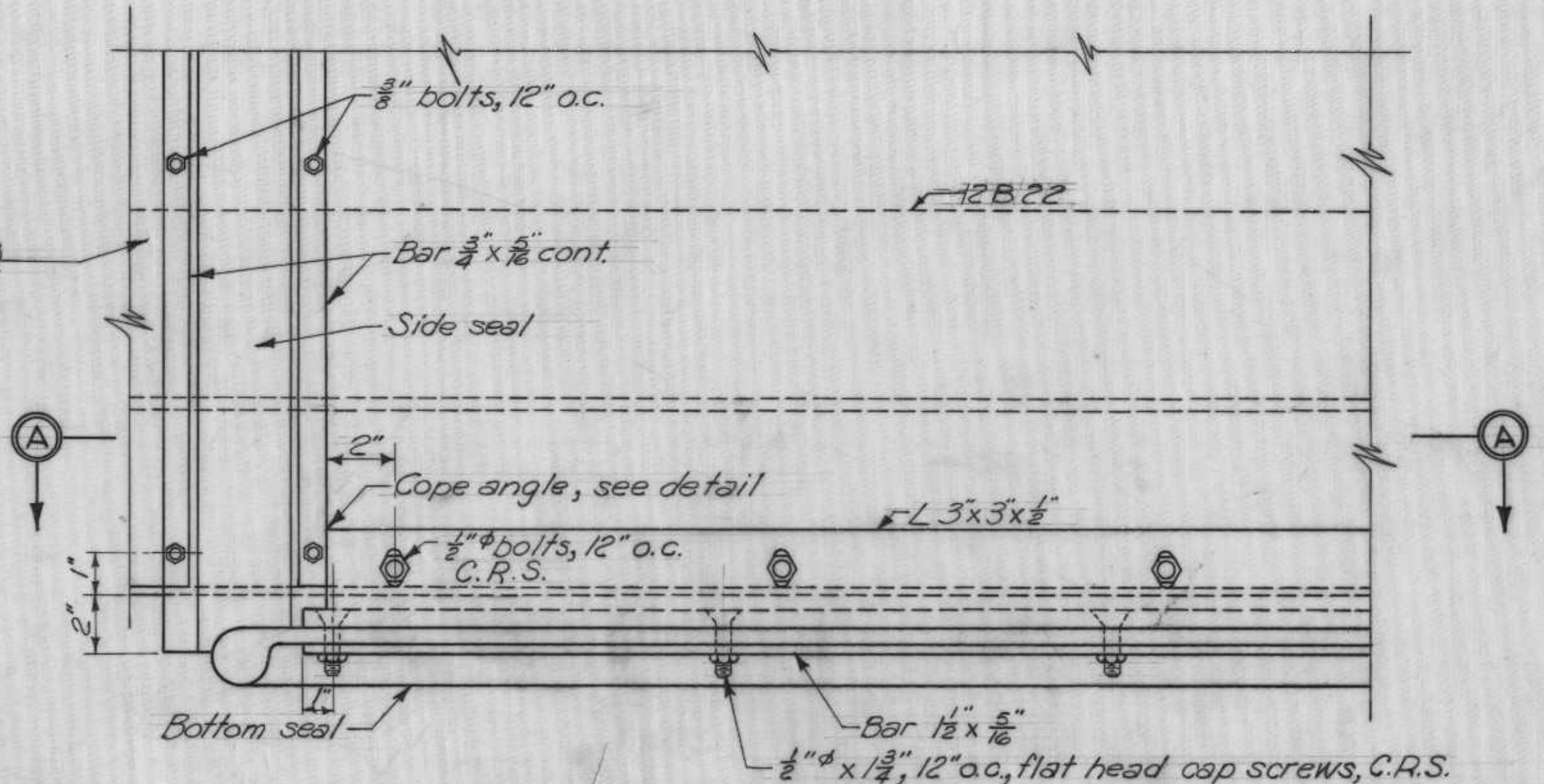
Note:
For general notes see Dwg. 7

GATE MONOLITH 22-GATE DETAILS

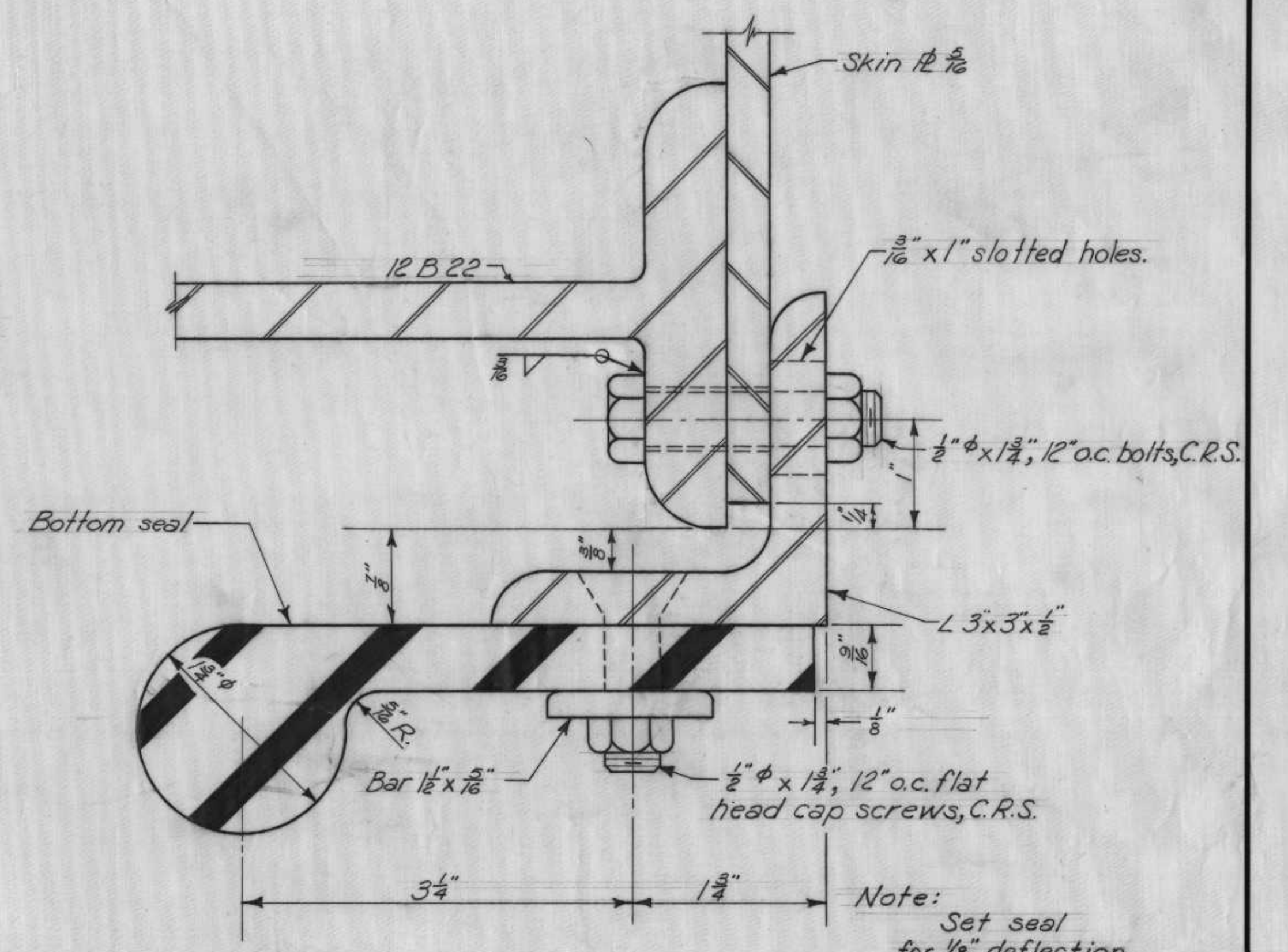
REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DATE:	DESCRIPTION:	BY:
W.D.J.	B.H.D.	CHECKED:	W.D.J.
		CODE IDENT. NO.	SIZE
		FILE NO.	H-8-24403
DATE: MAY 1968		SCALE: SHOWN	SPEC. NO. DACW28-68-B-0138 DWG. NO. 17 OF 23



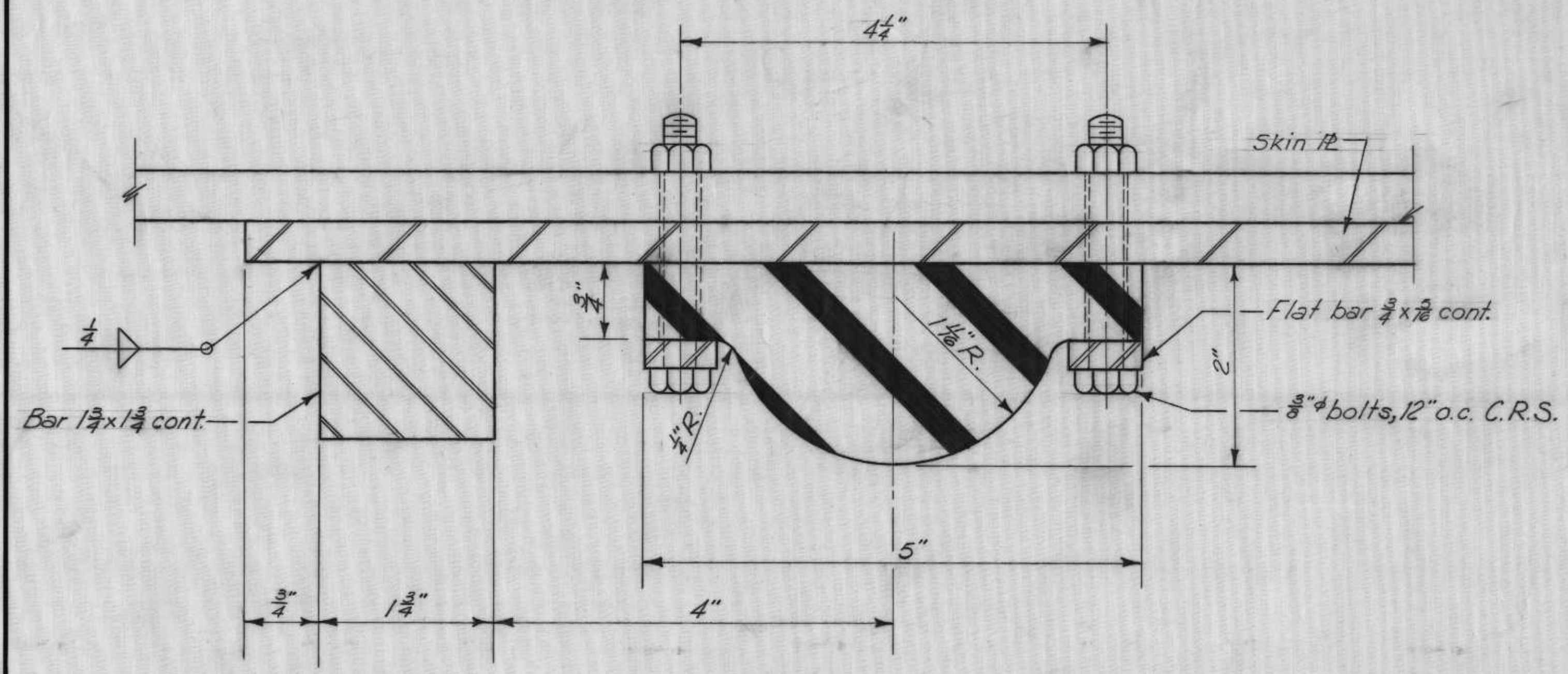
SECTION THRU OVERHEAD ROLLER GATE
Scale: 3"=1'-0"



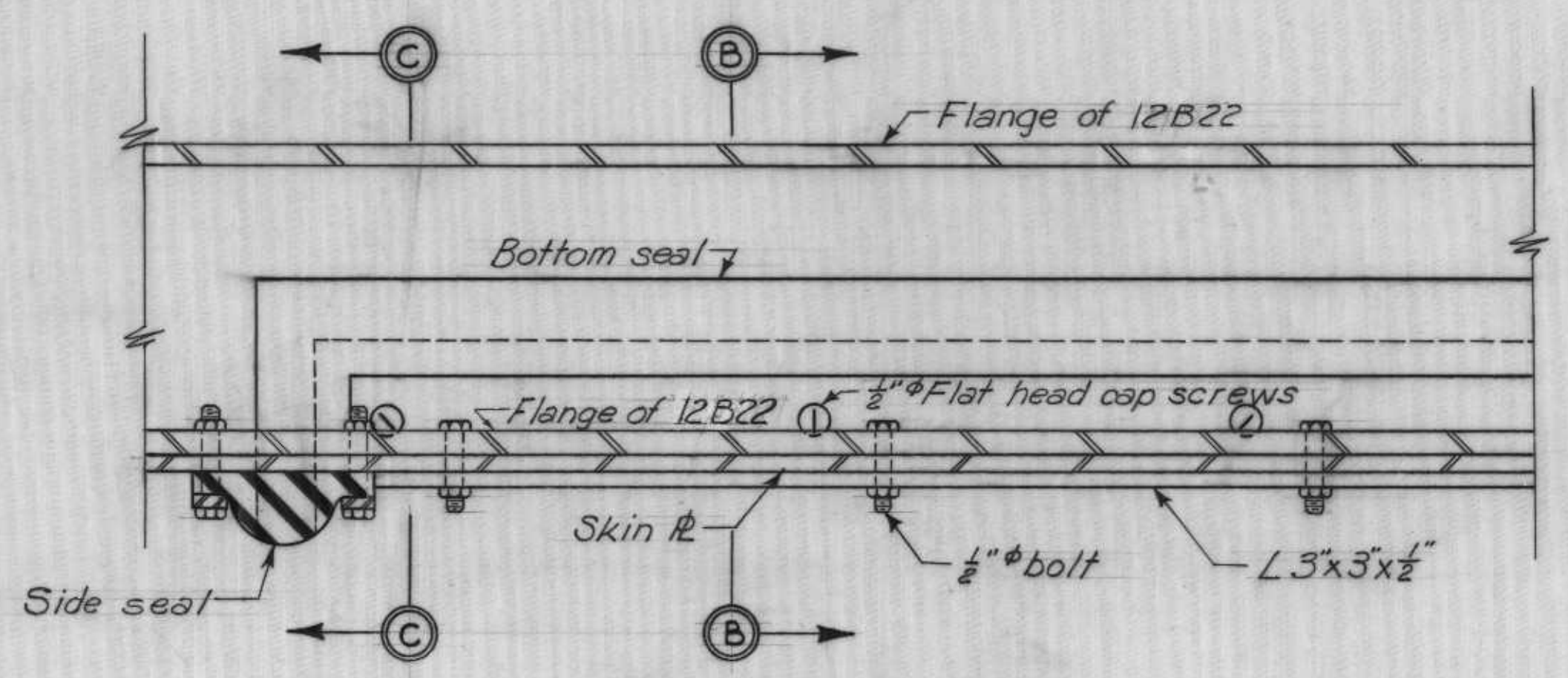
TYPICAL END ELEVATION
Scale: 3"=1'-0"



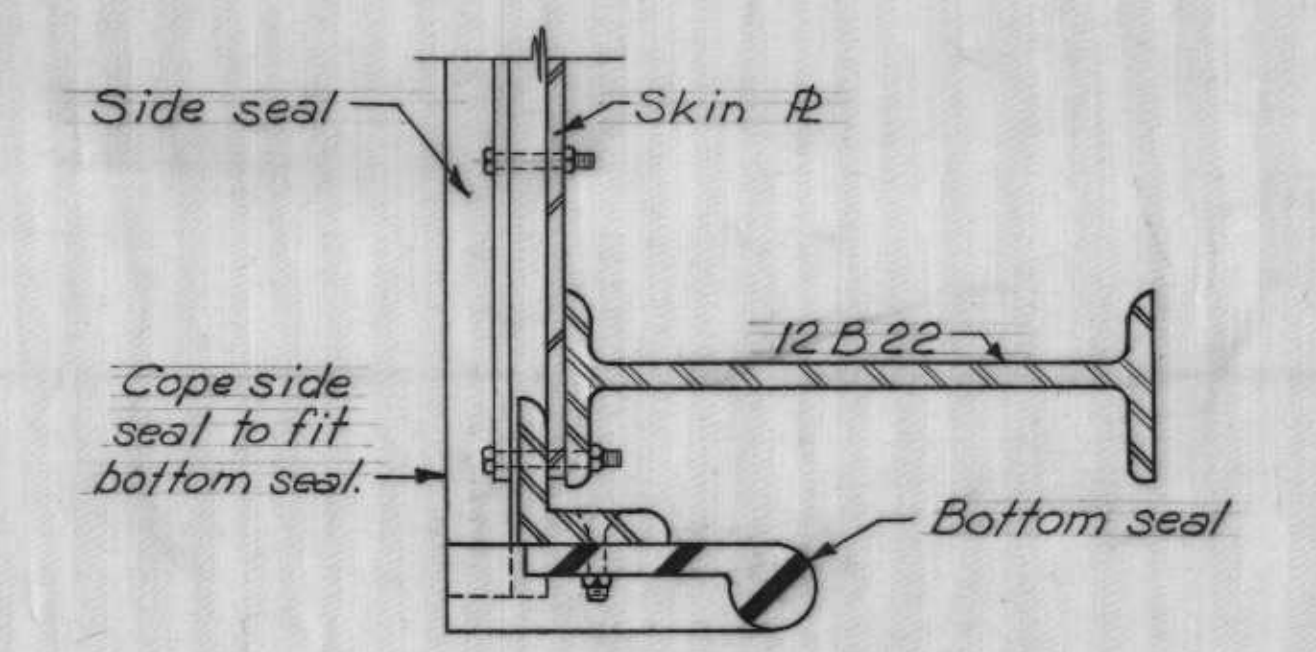
SECTION B-B
Scale: Full Size



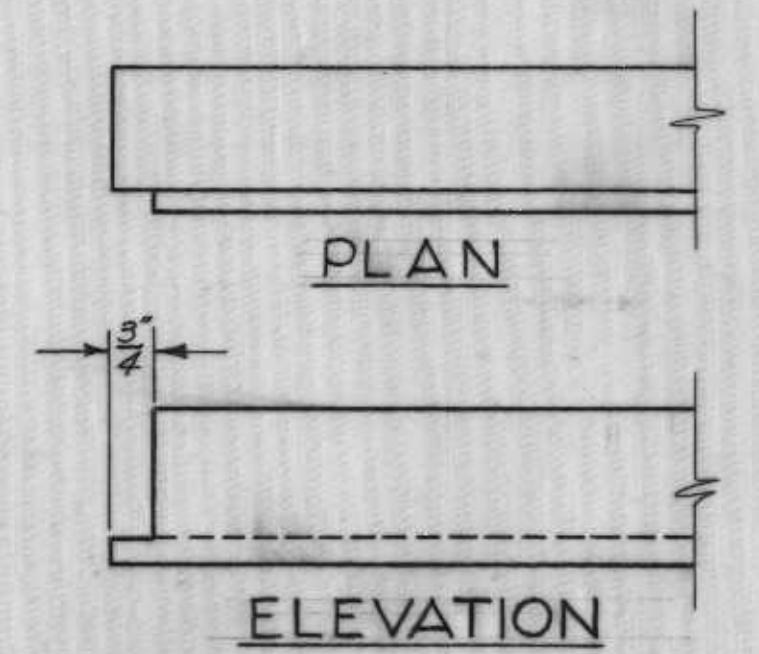
TYPICAL SIDE SEAL
Scale: Full Size



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



SECTION G-C
Scale 3"=1'-0"

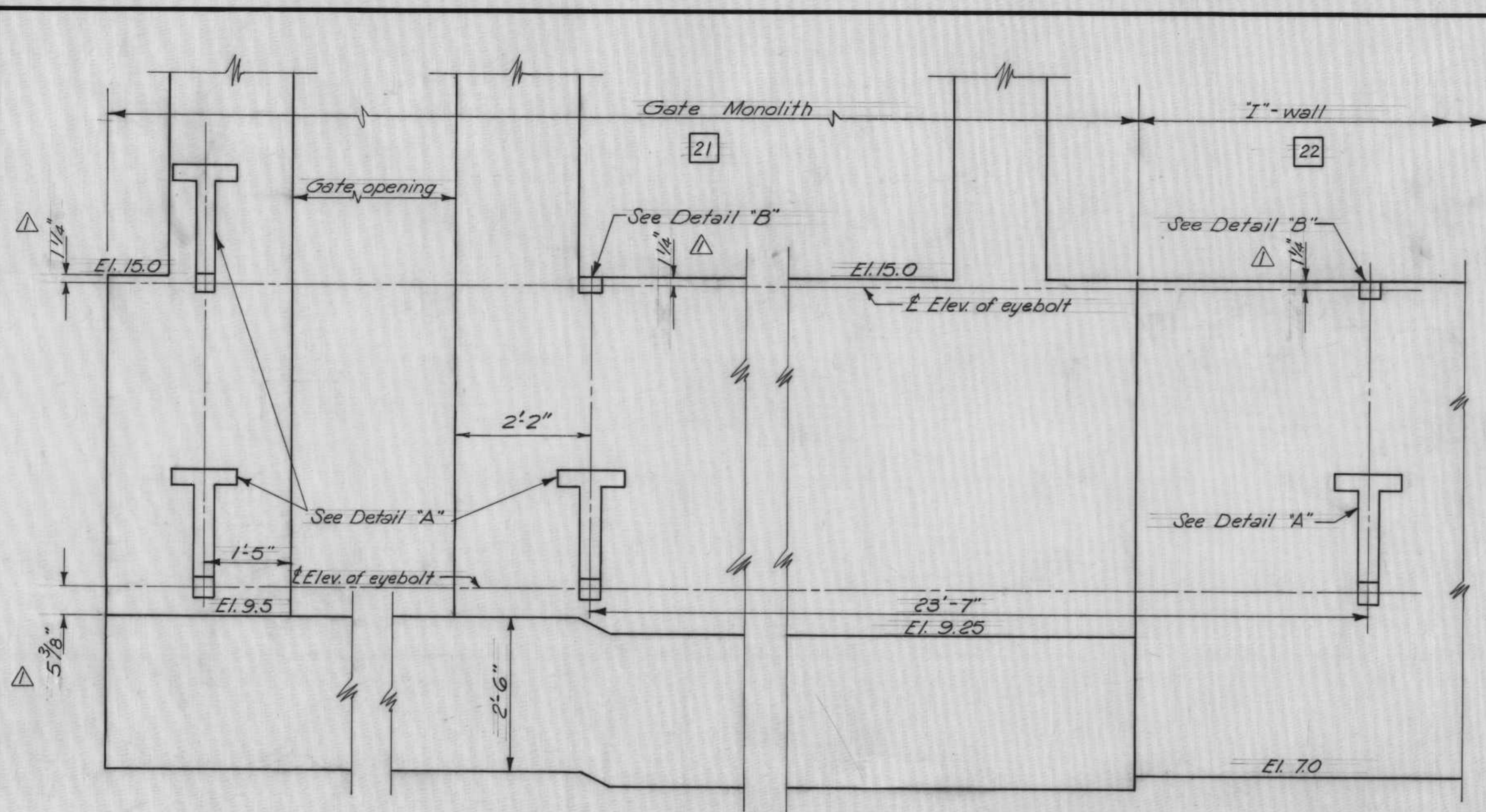


END OF L 3 x 3 x 1/2
Scale: 3"=1'-0"

Note:
For general notes see Dwg. 7

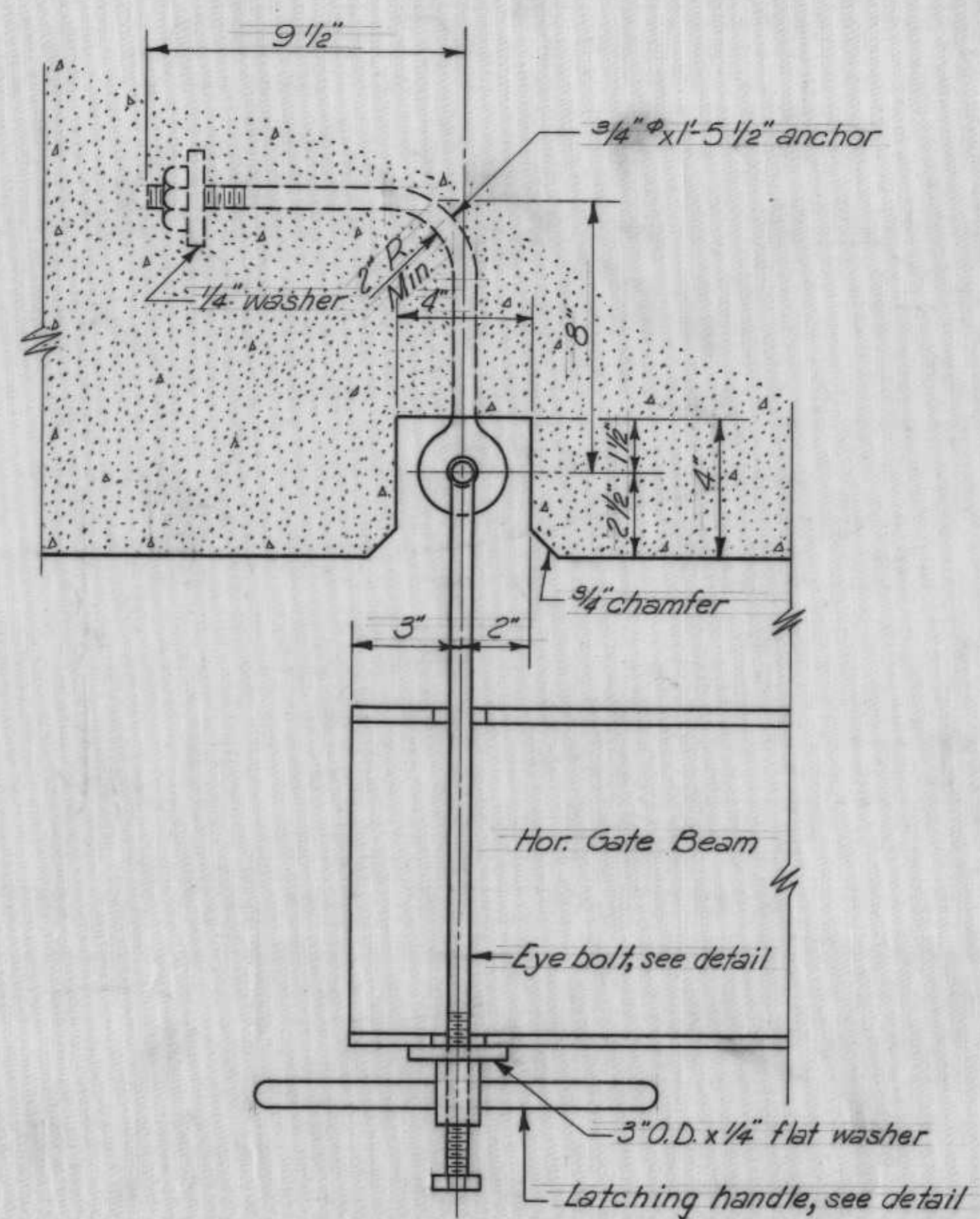
GATE SEALS

REVISION	DATE	CHECKED	DESCRIPTION	BY	
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO.	SIZE	FILE NO.
W.D.J.	B.H.D.	W.D.J.			H-8-24403
DATE: MAY 1968		SCALE: SHOWN		SPEC. NO. DACW26-68-B-0138	DWG. NO. 19 OF 23



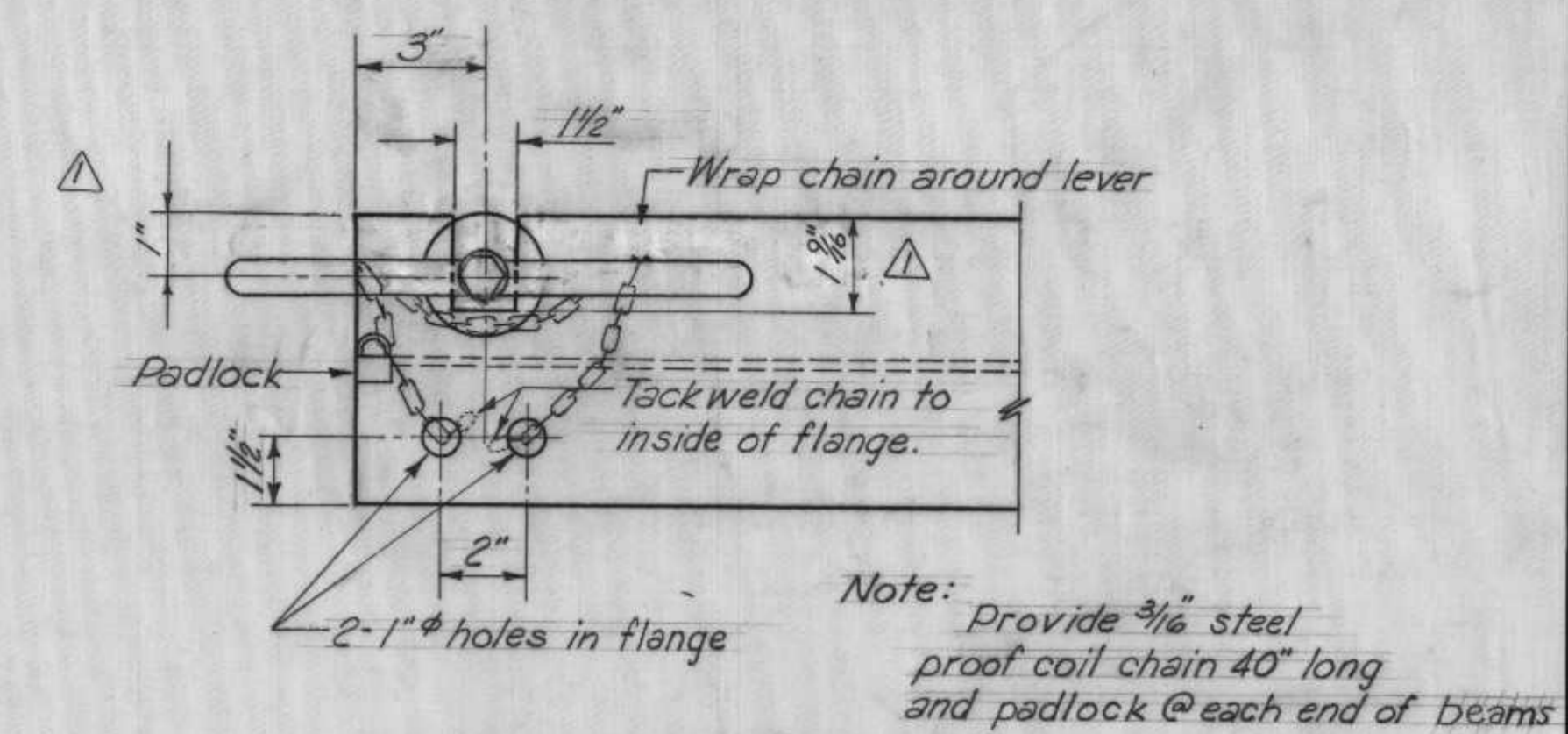
FLOOD SIDE ELEVATION OF OVERHEAD ROLLER GATE MONOLITH

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



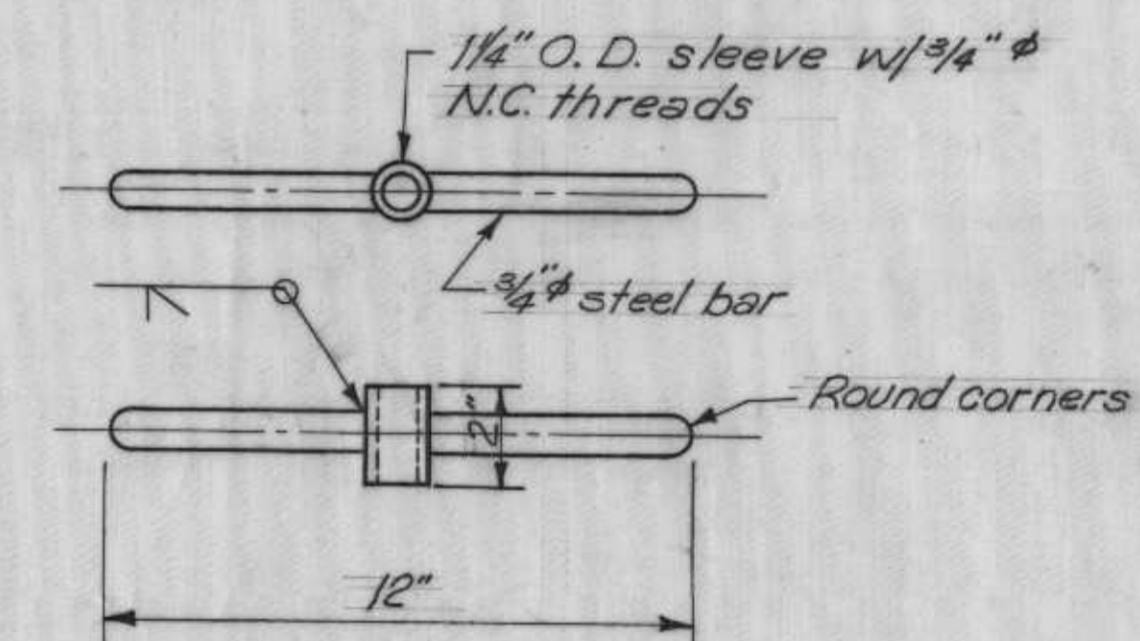
LATCHING ASSEMBLY

Scale: 3" = 1'-0"



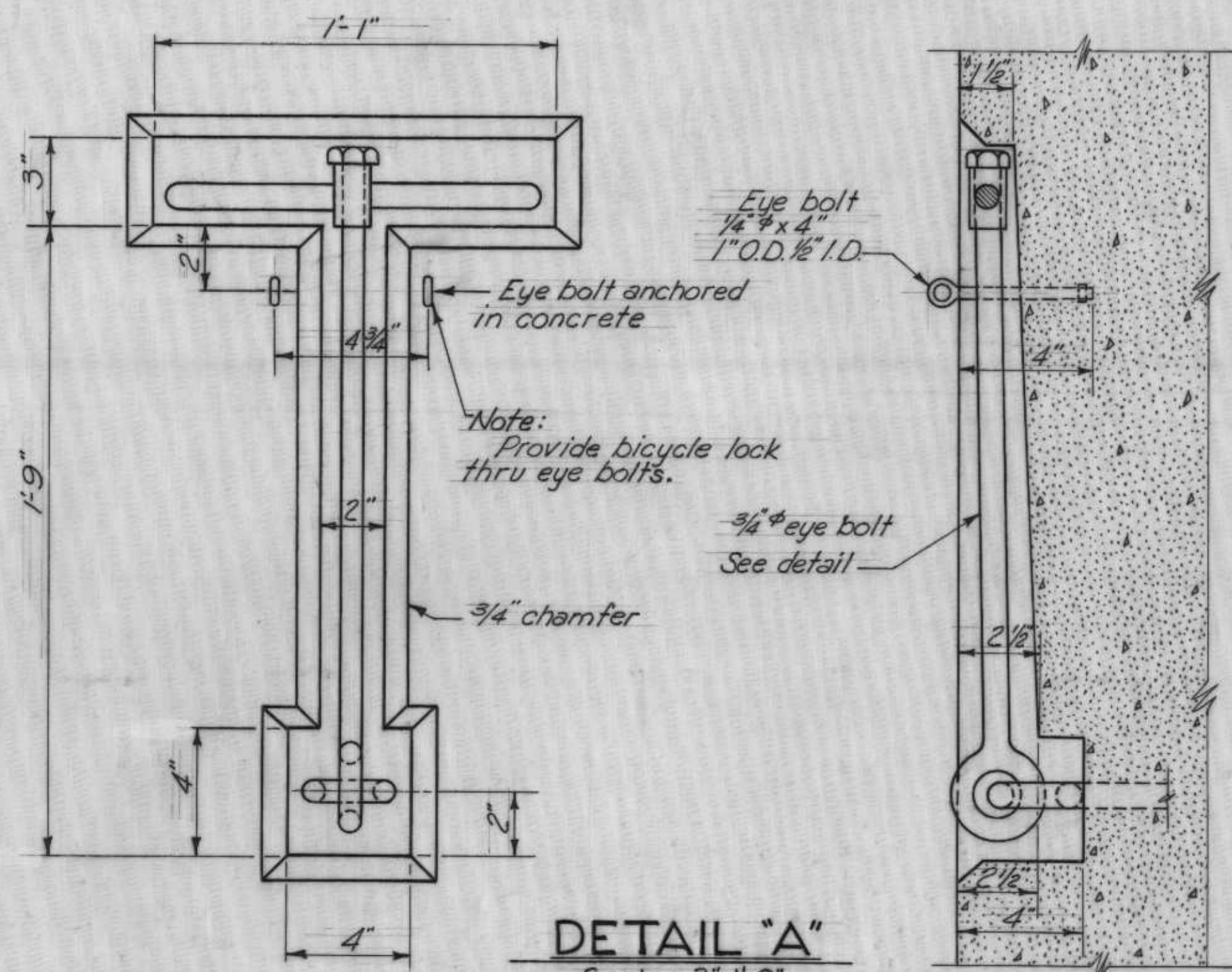
END OF GATE BEAMS

Scale: 3" = 1'-0"



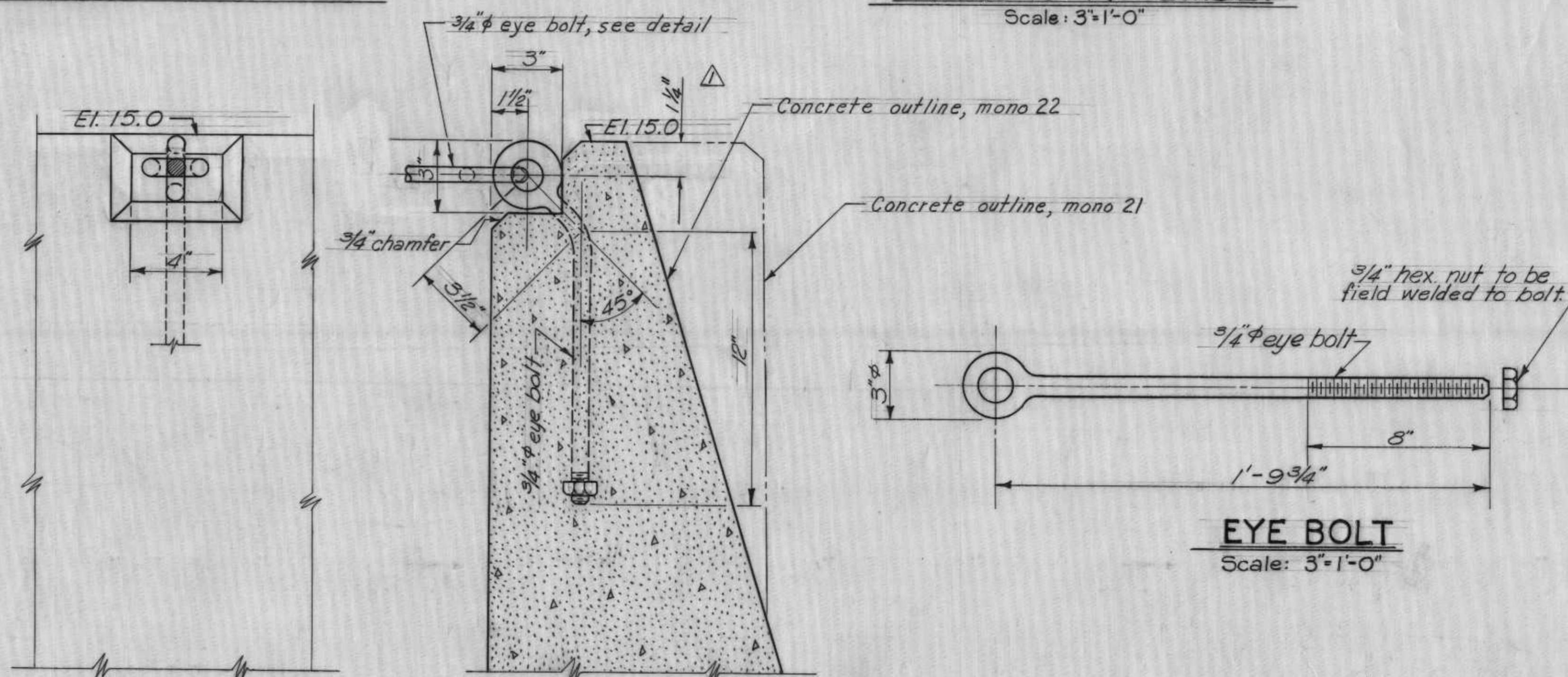
LATCHING HANDLE

Scale: 3" = 1'-0"



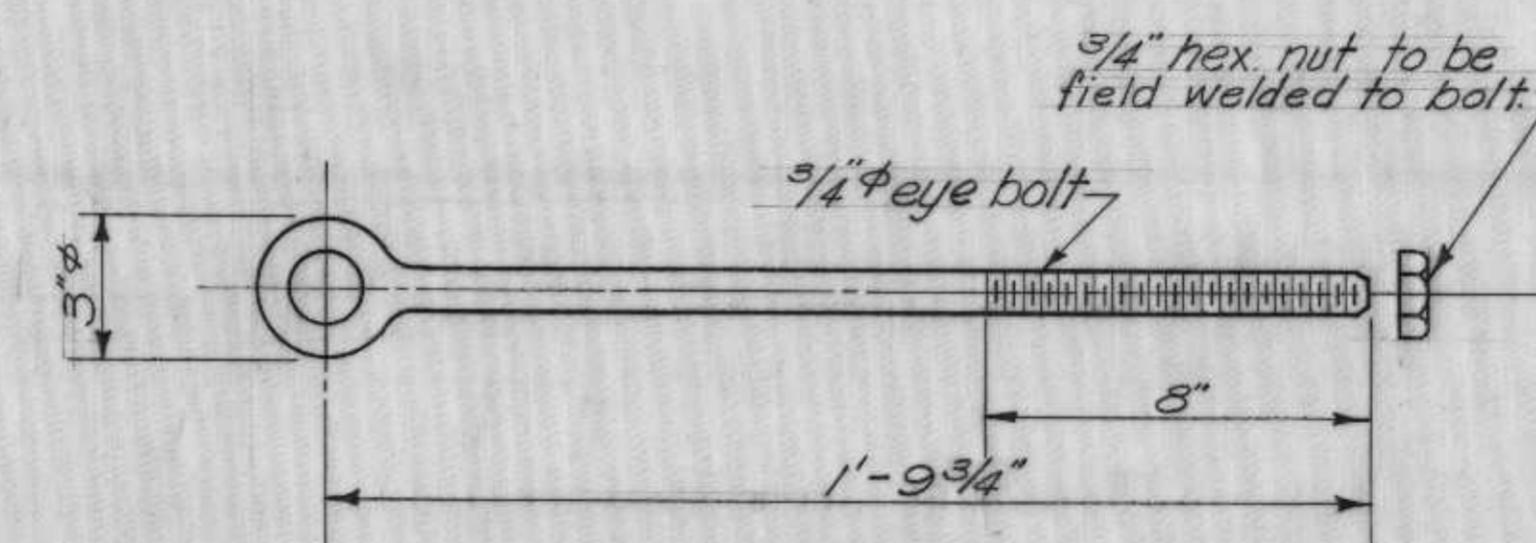
DETAIL "A"

Scale: 3" = 1'-0"



DETAIL "B"

Scale: 3" = 1'-0"



EYE BOLT

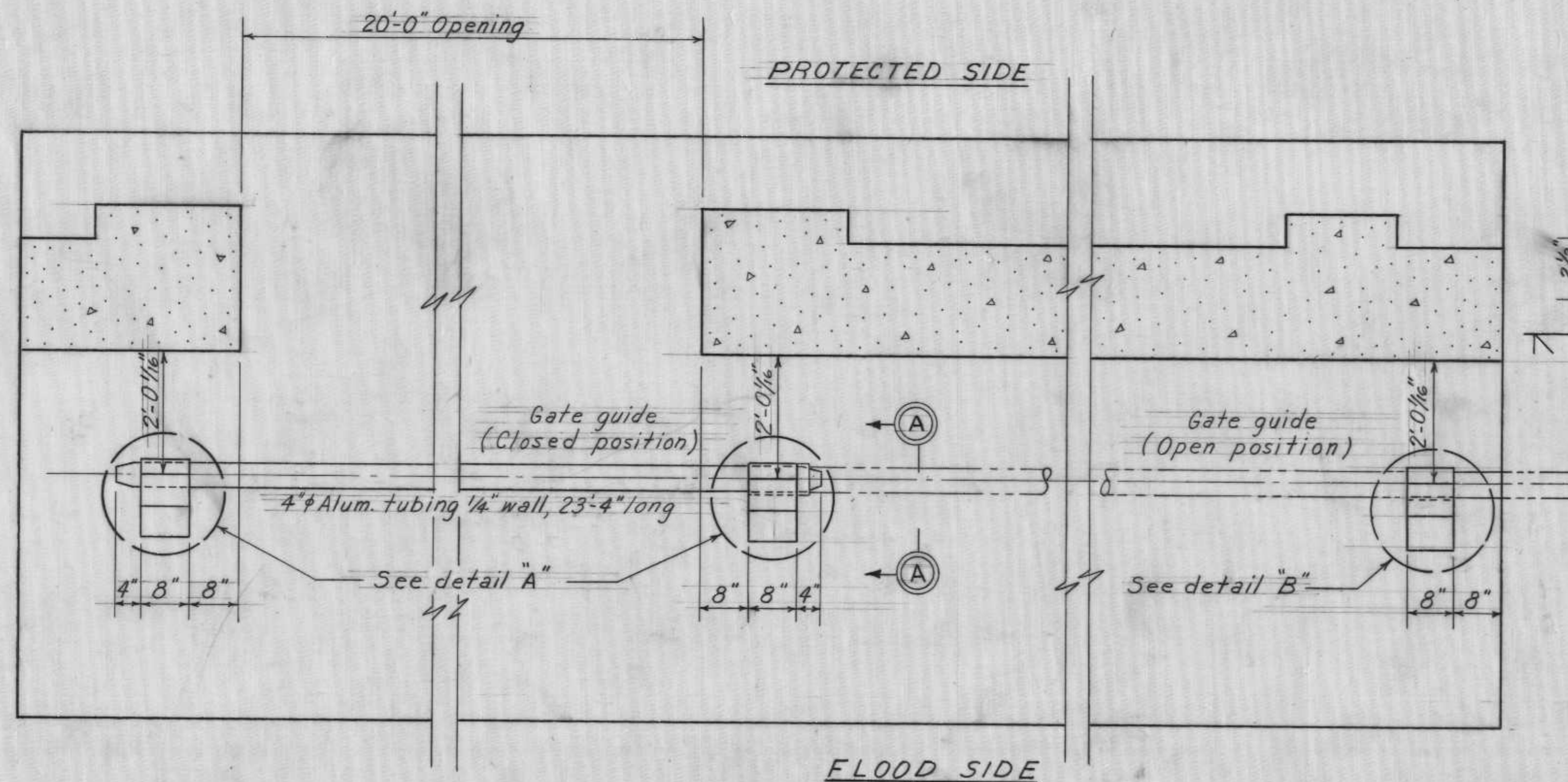
Scale: 3" = 1'-0"

Note: For general notes see Dwg. 7

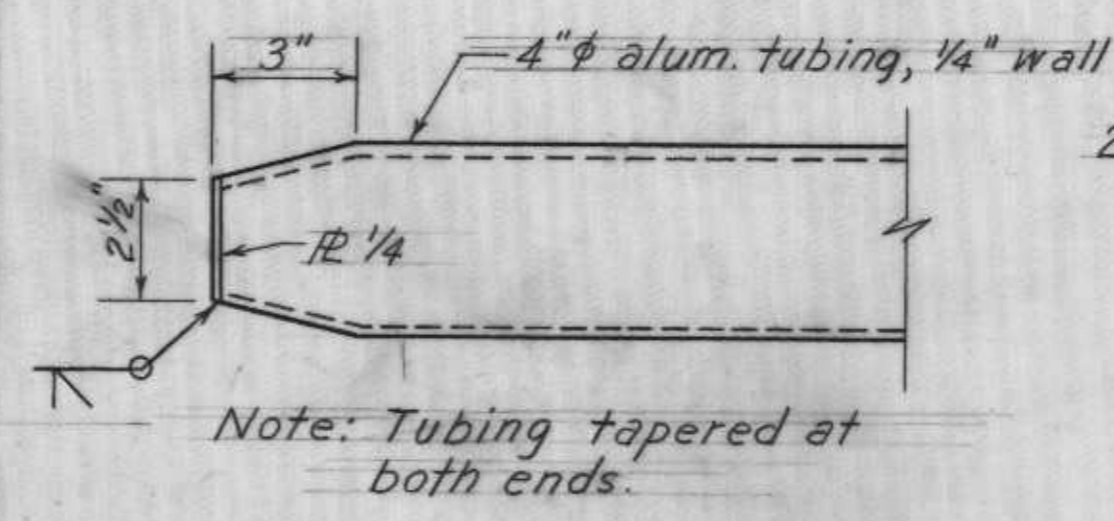
THIS PLAN ACCOMPANIES
MODIFICATION PO02 TO
CONTRACT NO. DACW29-
68-C-0242

REVISION	DATE	DESCRIPTION	BY
10-3-68	Revised dimensions (Mod #2)		C.T.
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
W.D.J.	B.H.D.	W.D.J.	H-8-24403
DATE: MAY 1968	SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138	DWG. NO. 20 OF 23

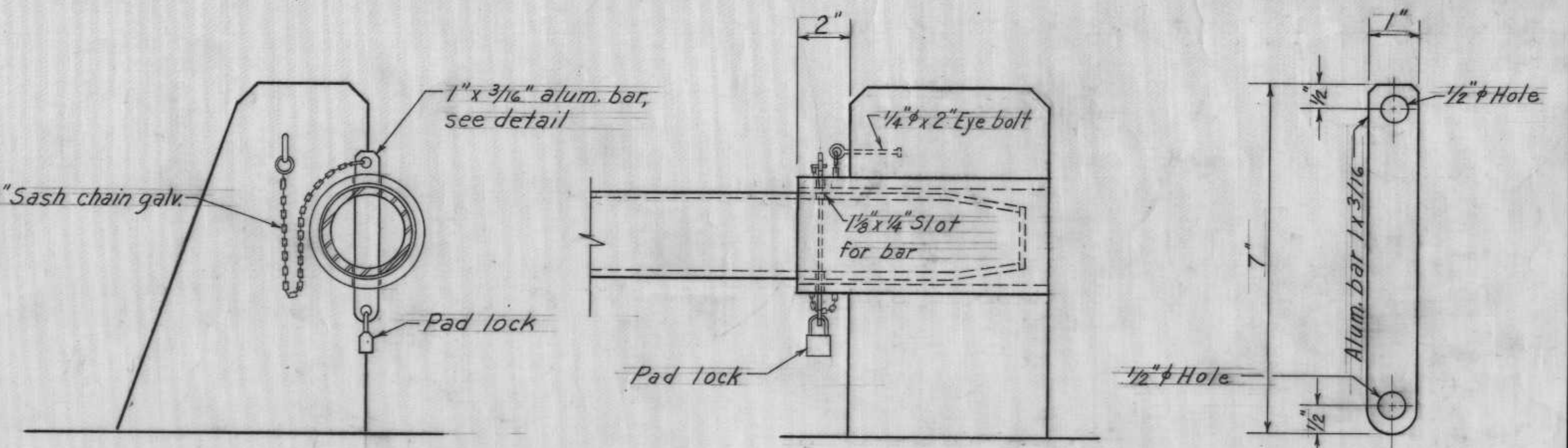
GATE LATCHING DEVICE



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

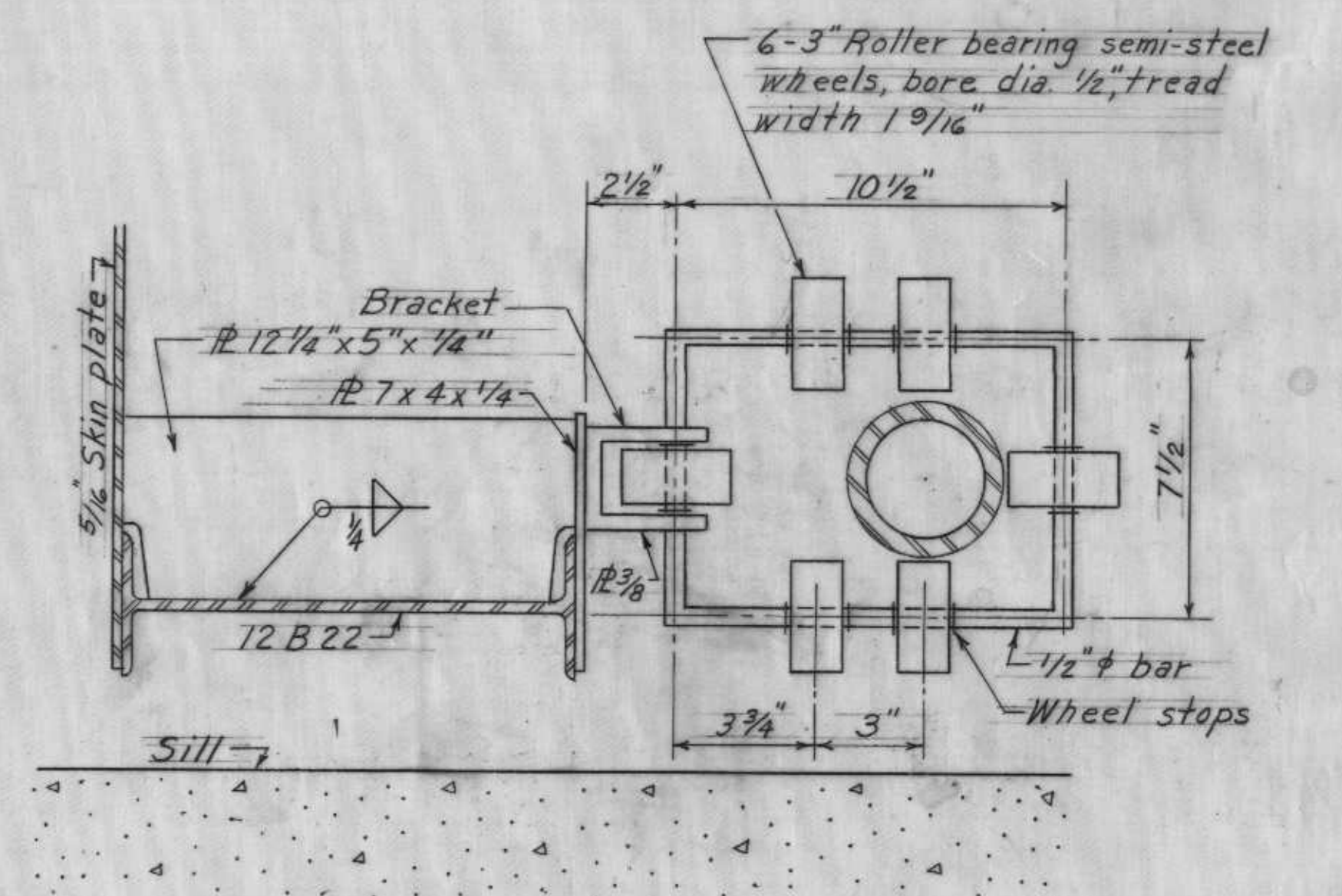
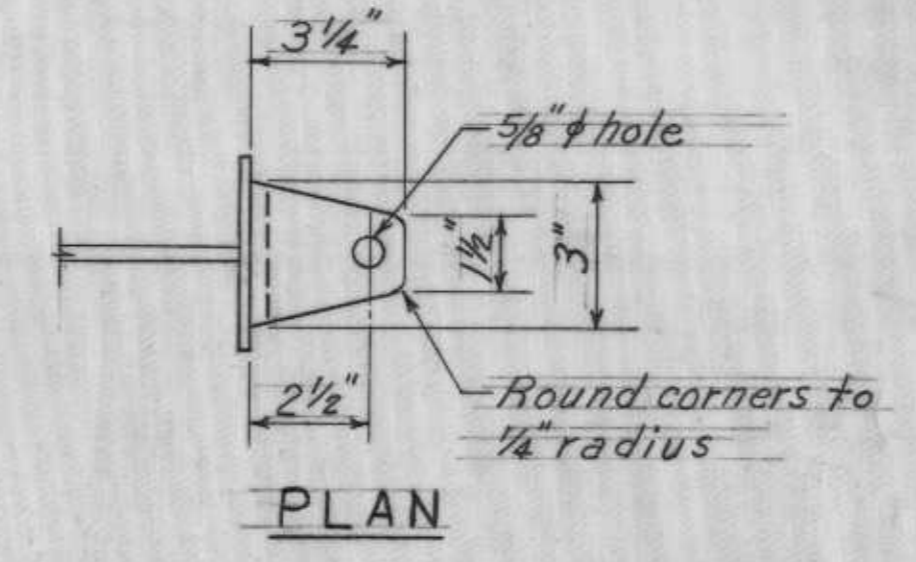


DETAIL OF END TAPER OF TUBING

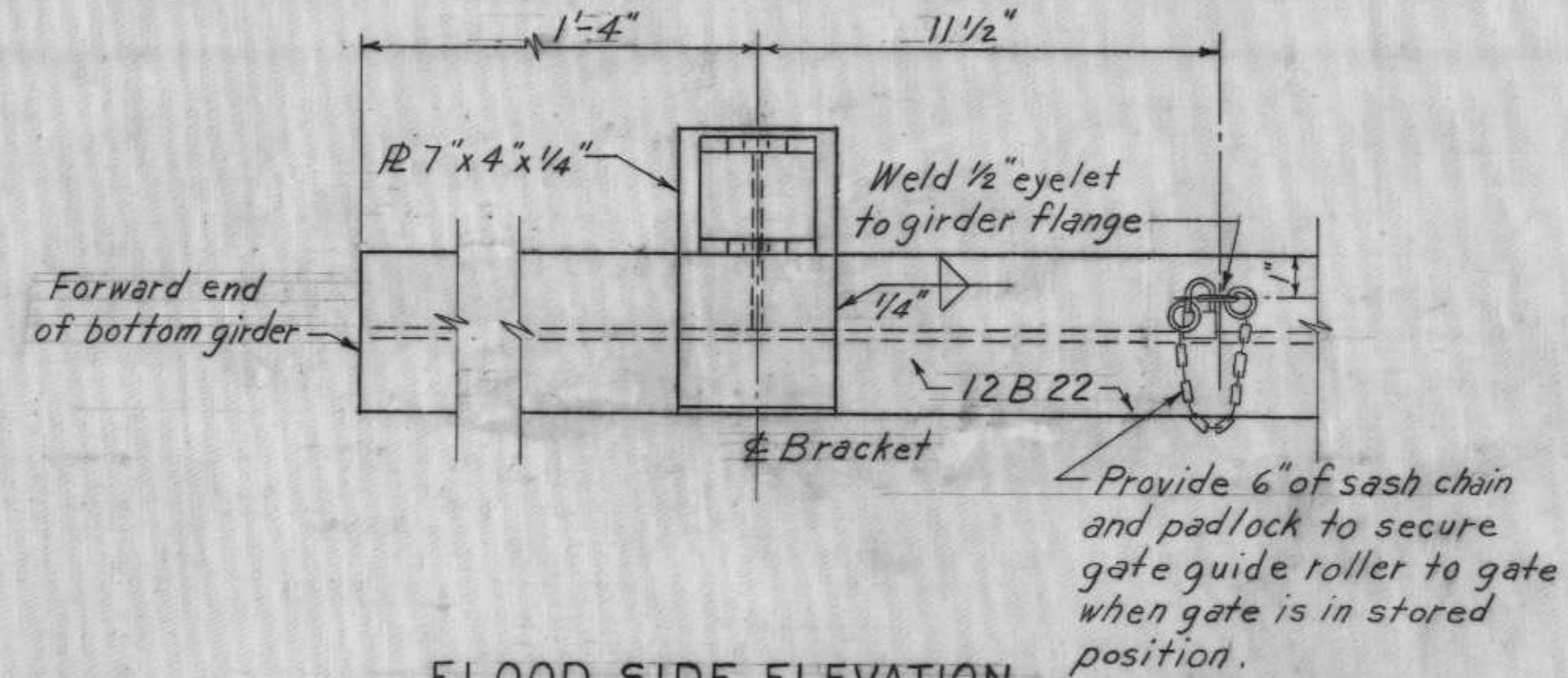
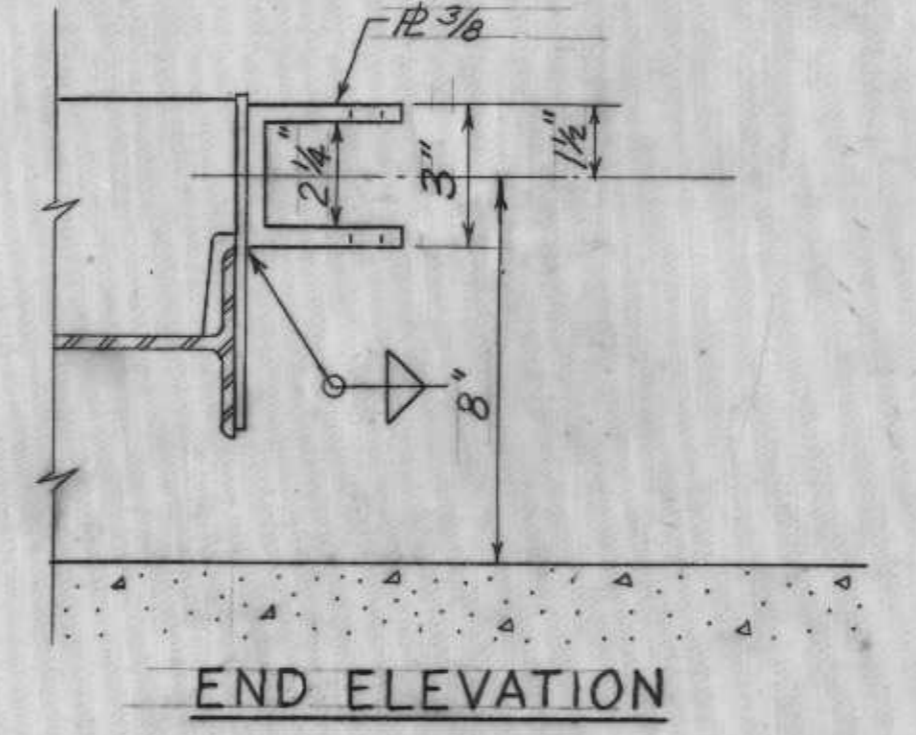


SECTION A-A SHOWING CHAIN & LOCK
(Gate in stored position)

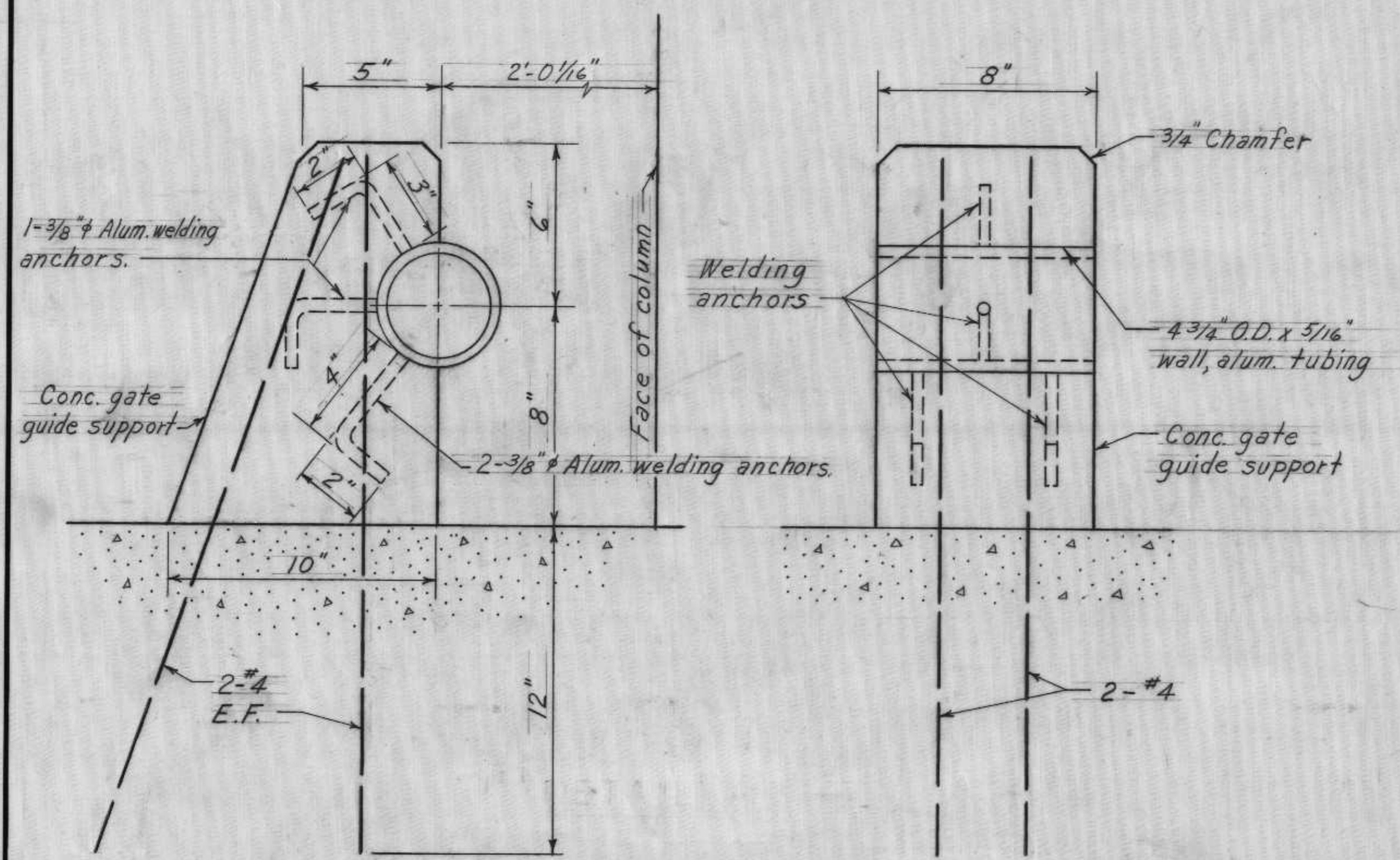
ALUMINUM BAR



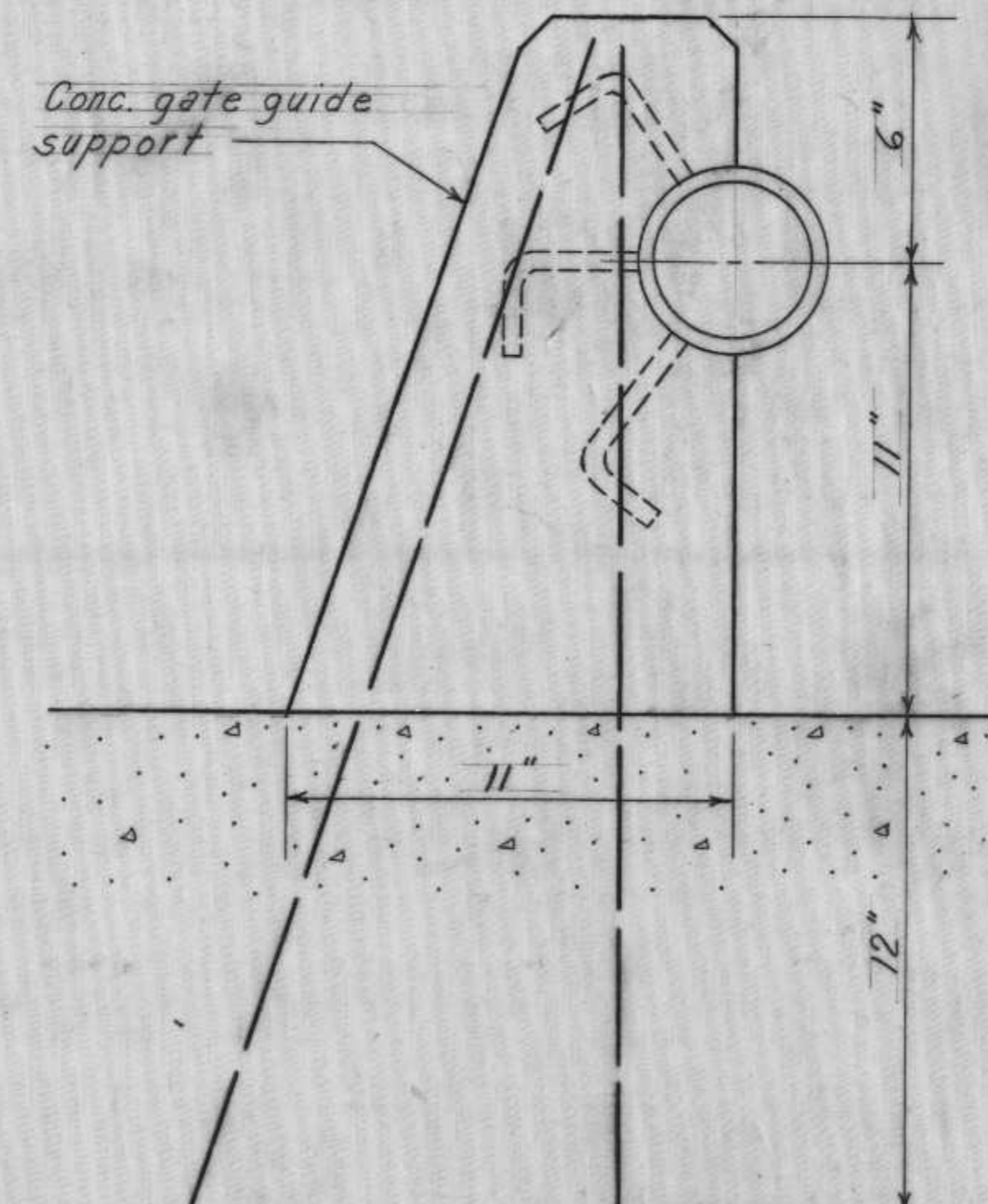
SECTION THRU GUIDE ROLLER



FLOOD SIDE ELEVATION
GUIDE ROLLER ELEVATION



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

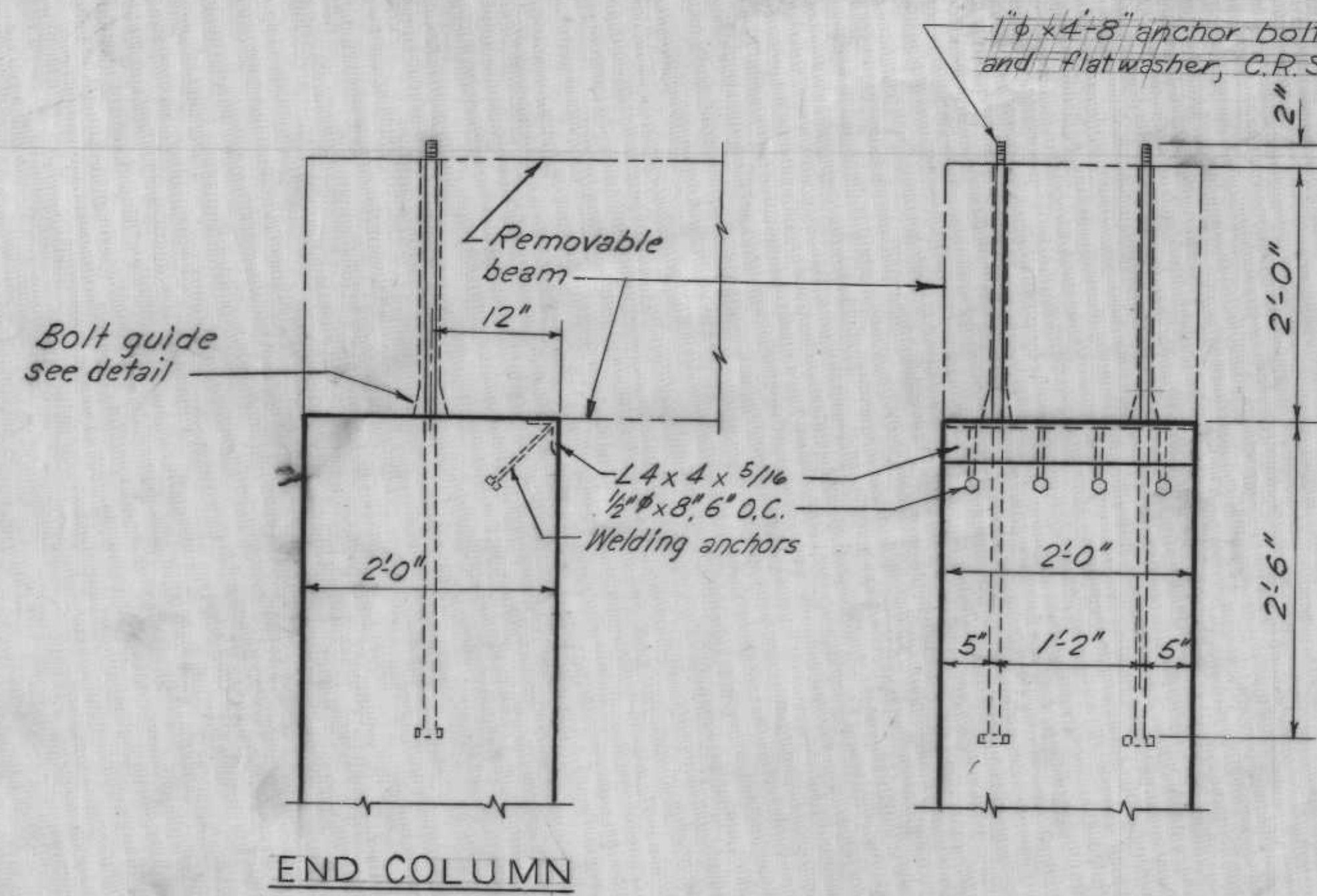


DETAIL "B"
(Anchor bars same as detail "A")

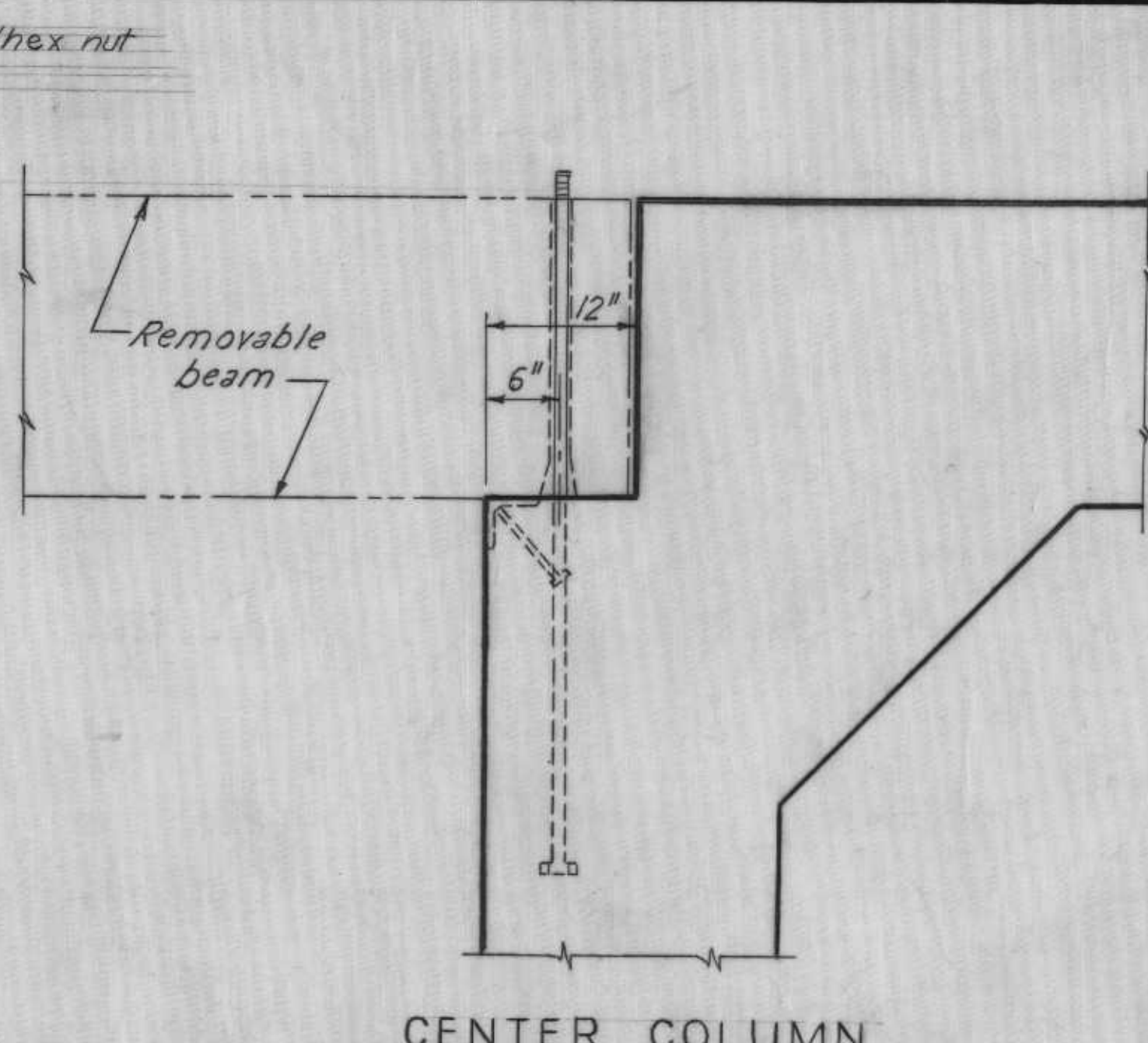
Note:
For general notes see Dwg. 7

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DATE:	DESCRIPTION:	BY:
W.D.J.	G.P.M.	W.D.J.	
H-8-24403			
DATE:	MAY 1968	SCALE: SHOWN	SPEC. NO. DACW28-68-B-0138 DWG. NO. 21 OF 23

GATE GUIDE

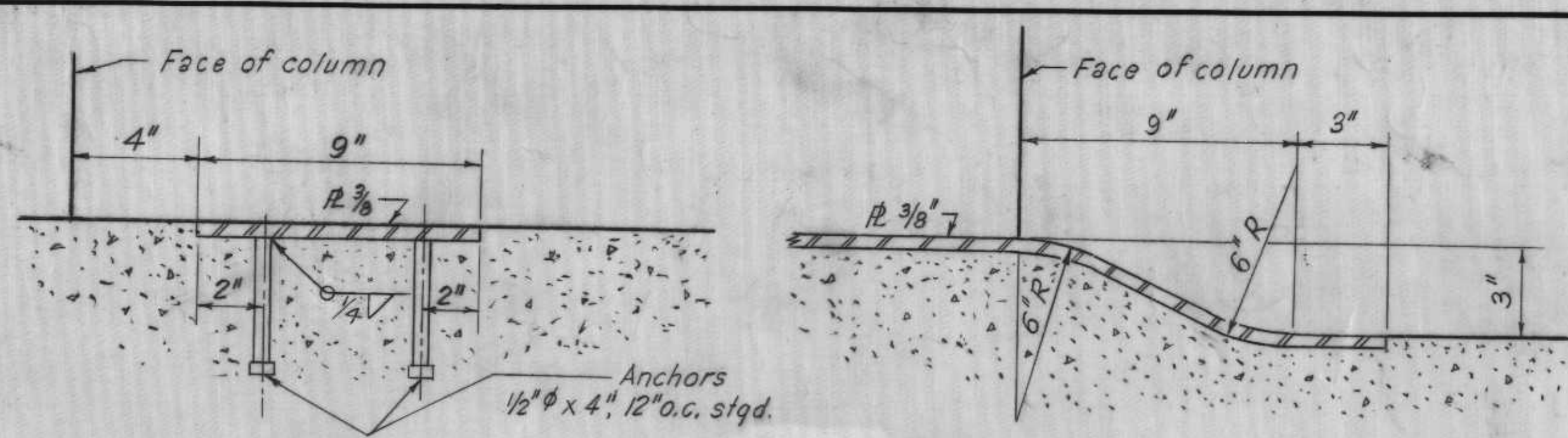


END COLUMN

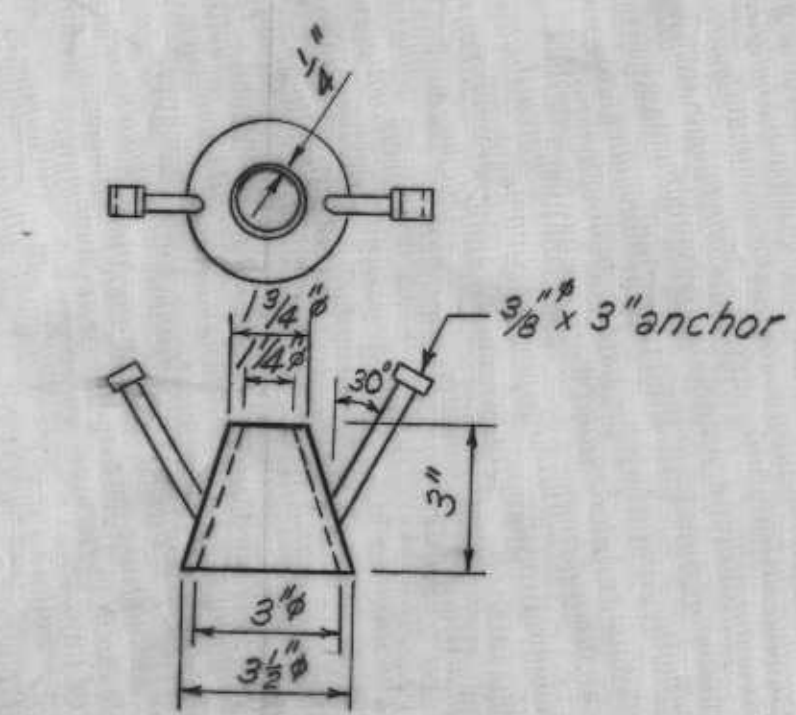


CENTER COLUMN

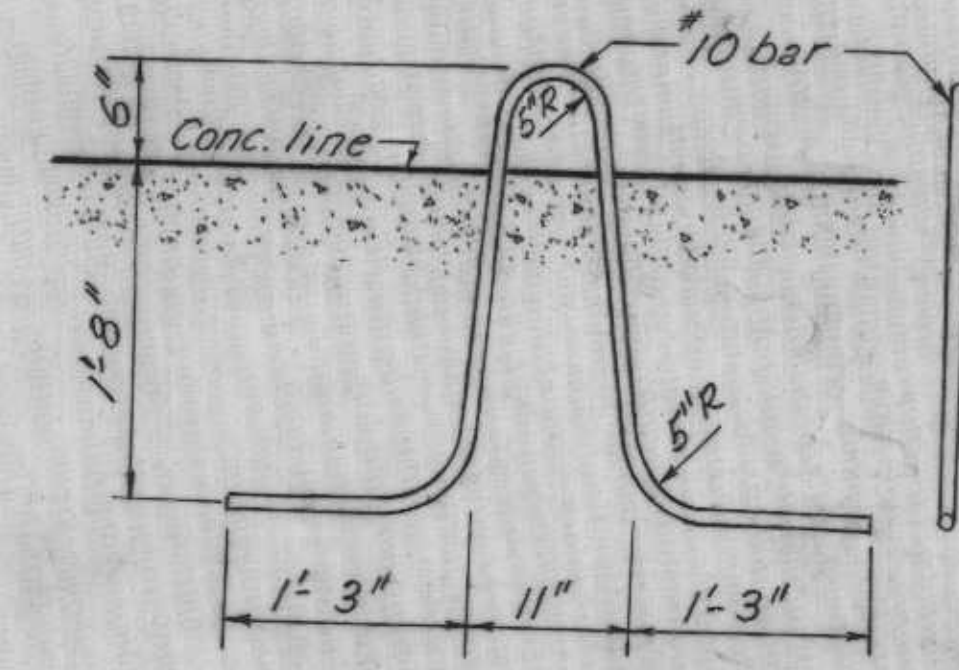
ANCHOR BOLT DETAIL
Scale: 1" = 1'-0"



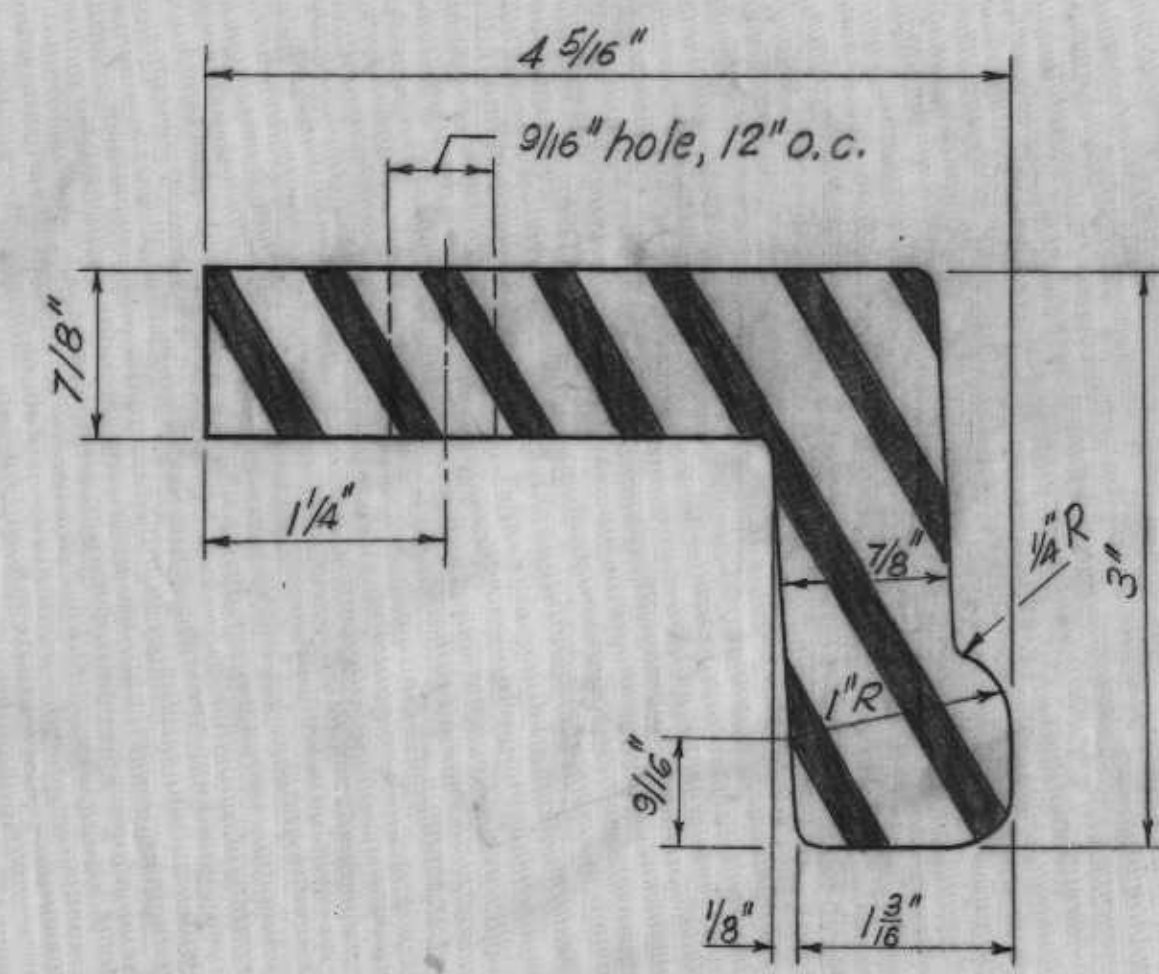
DETAIL OF GATE SEAL PLATE
Scale: 3" = 1'-0"



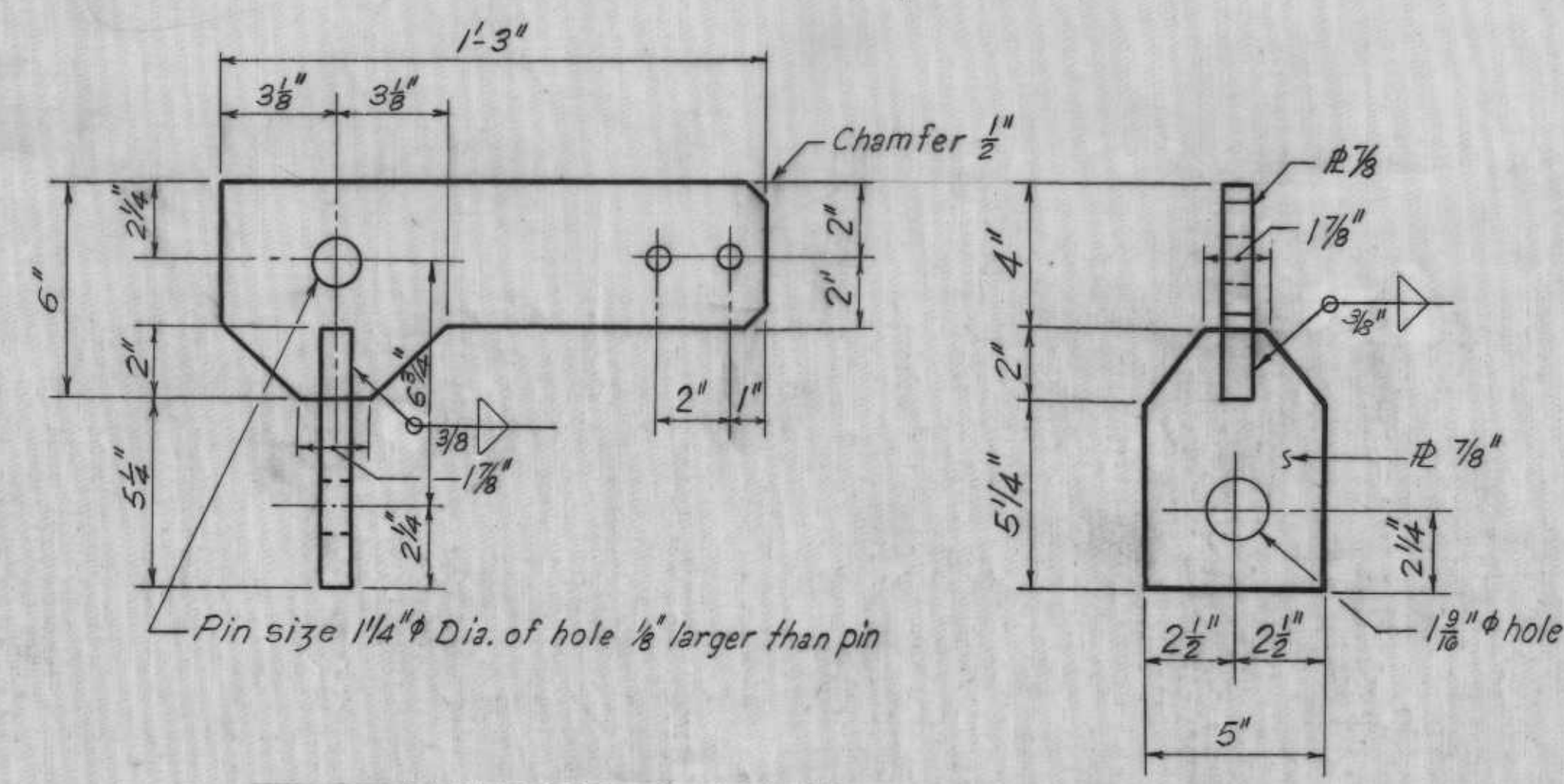
BOLT GUIDE
Scale: 3" = 1'-0"



LIFTING BAR
Scale: 1" = 1'-0"



SEAL DETAIL
Scale: Full Size

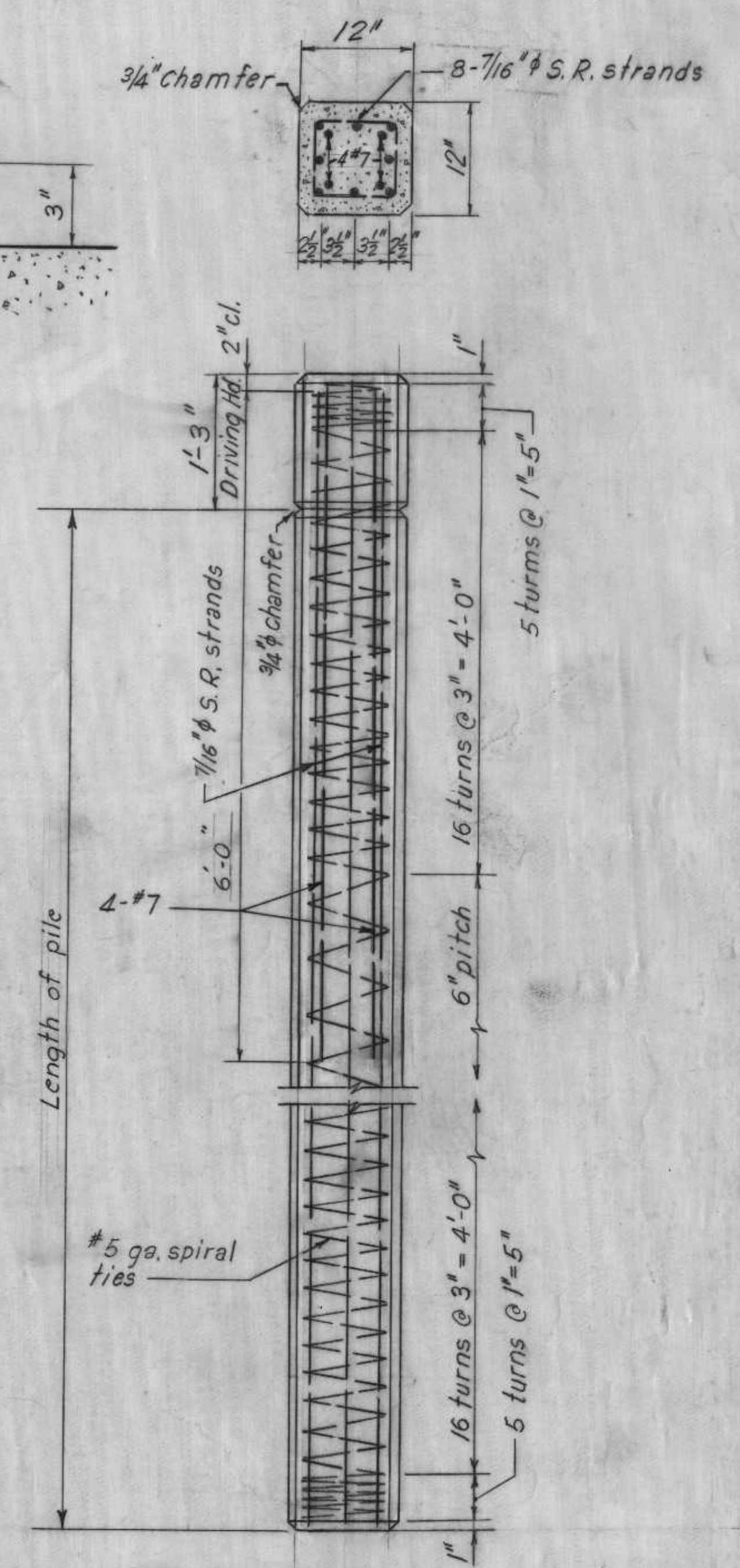


HANGER PLATE
Scale: 3" = 1'-0"



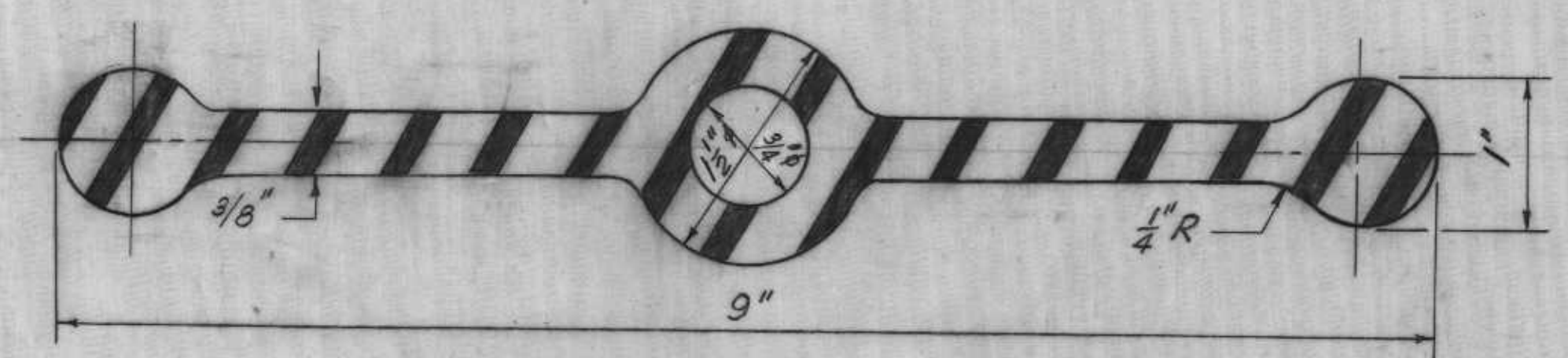
VERTICAL CLEARANCE SIGN
Scale: 1 1/2" = 1'-0"

Note: Use scotchlight yellow background with 1/4" width block letters. Sign to be put on flood and protected side of removable beams.

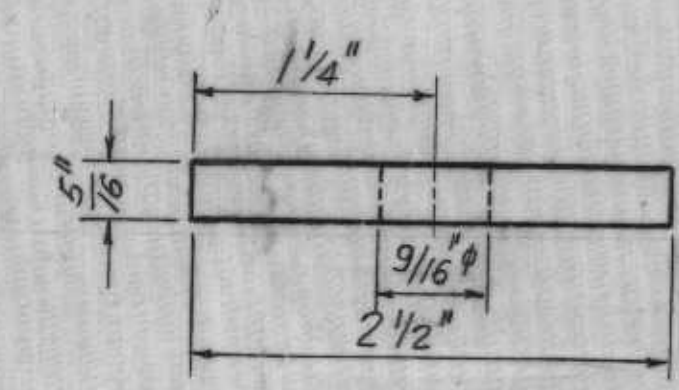


PRESTRESSED PRECAST CONCRETE PILE
Scale: 1" = 1'-0"

Note: For general notes see Dwg. 7



WATERSTOP
Scale: Full Size



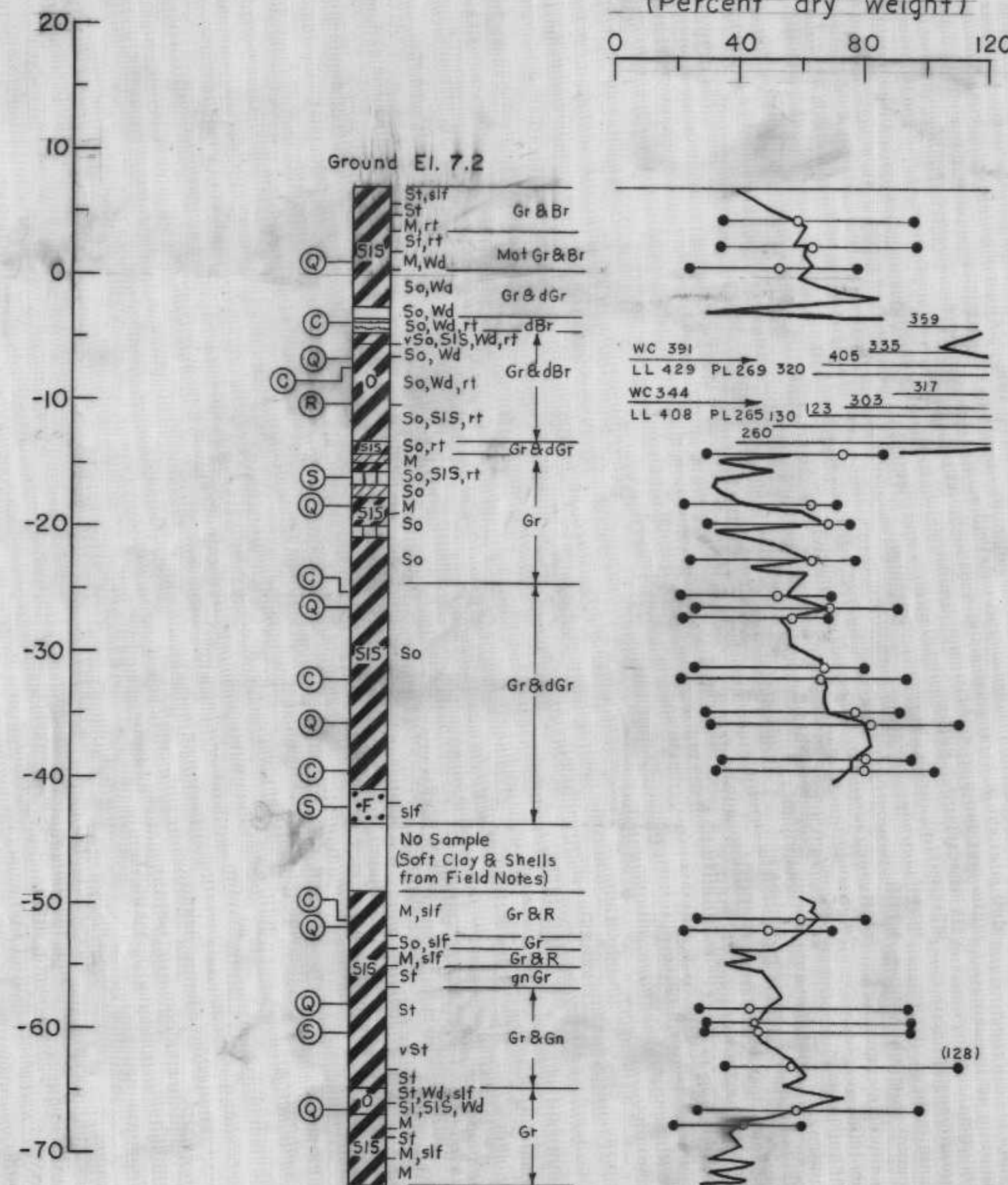
SEAL PLATE
Scale: Full Size

MISCELLANEOUS GATE DETAILS

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
W.D.J.	E.J.C.	W.D.J.	H-8-24403
DATE: MAY 1968	SCALE: SHOWN	SPEC. NO. DACW29-68-B-0138	DWG. NO. 22 OF 23

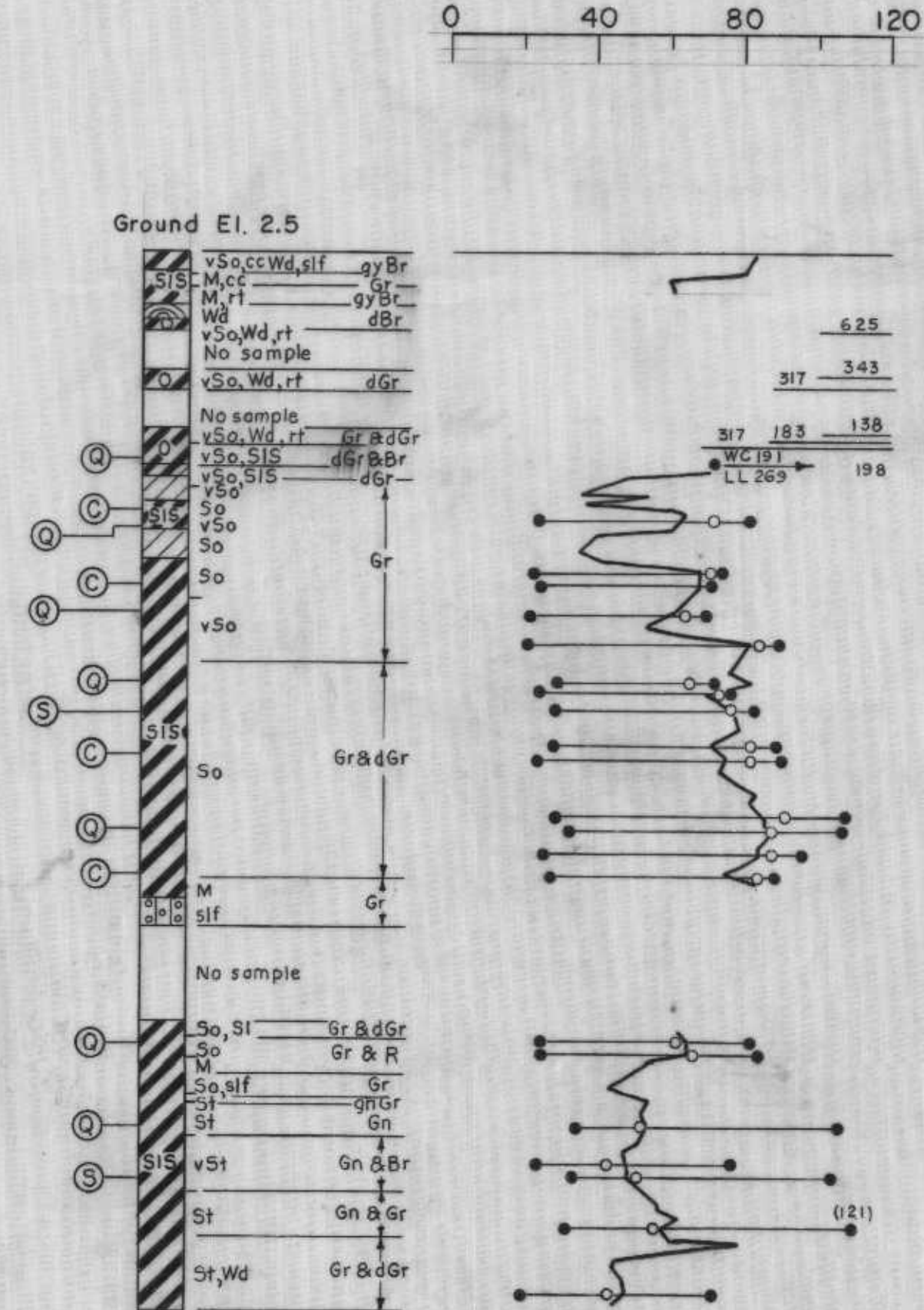
2-U
 STA. 235+00
 on B/L
 24-26 Jan. 1966

WATER CONTENT, "W"
 (Percent dry weight)



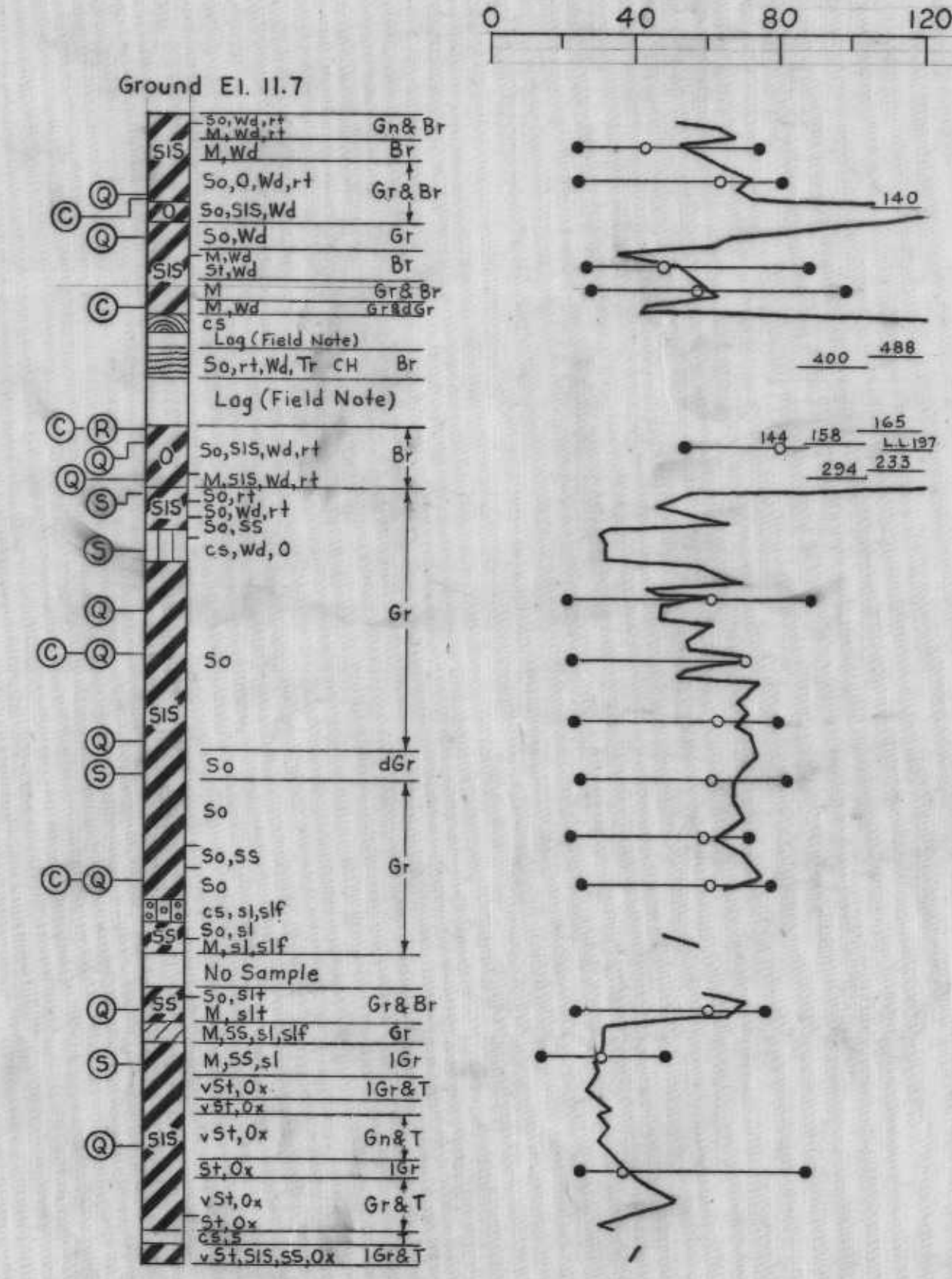
3-U
 STA. 235+50
 100' P.S. of B/L
 7-9 Feb. 1966

WATER CONTENT, "W"
 (Percent dry weight)



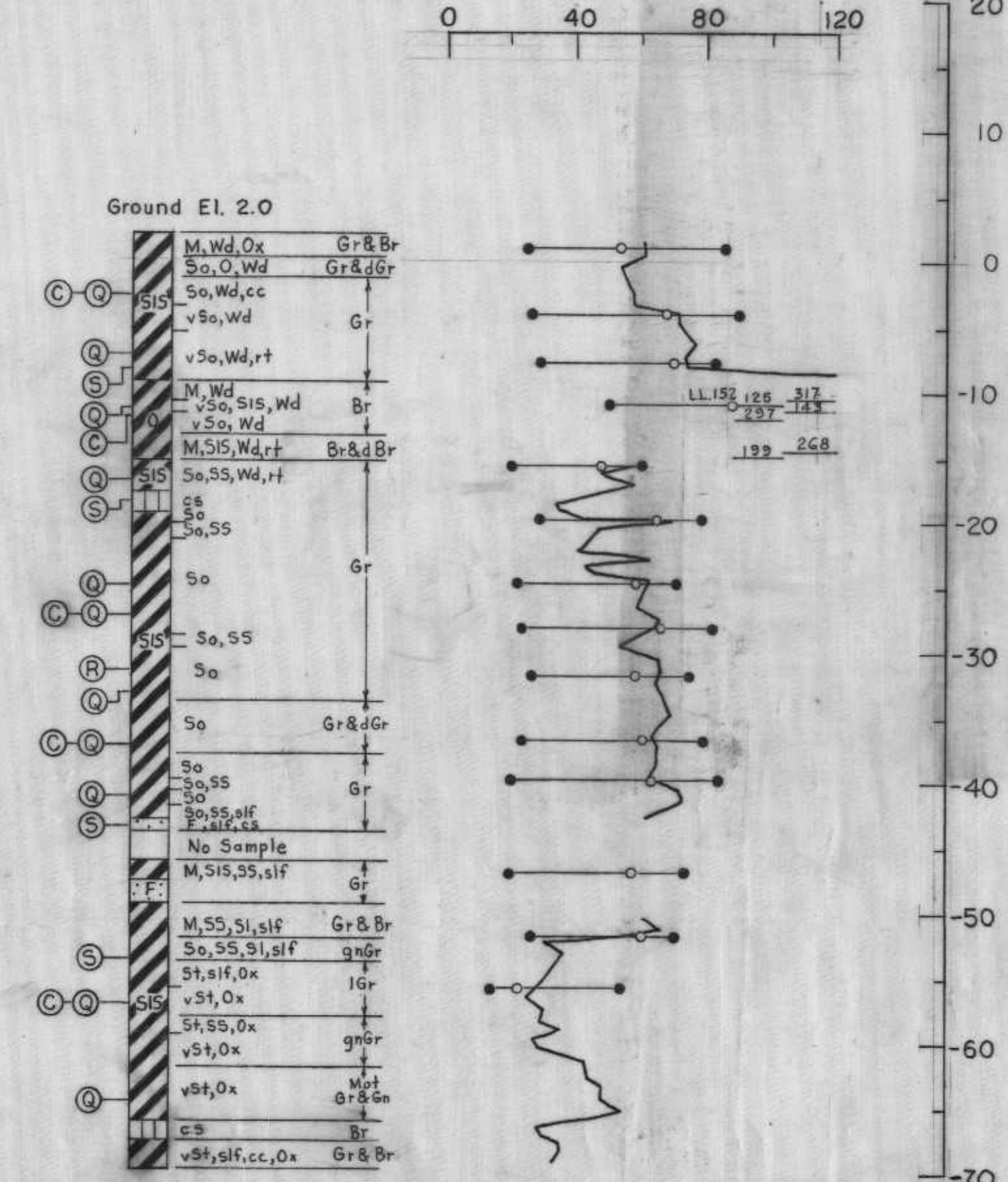
12-U
 STA. 320+00
 on B/L
 29, 30 Nov. 1967

WATER CONTENT, "W"
 (Percent dry weight)



12-UT
 STA. 320+00
 36' F.S. C/L Levee
 1 Dec. 1967

WATER CONTENT, "W"
 (Percent dry weight)



Note:
 For location of borings see Dwg. 2 and 3
 For pertinent notes see Dwg. 2
 Elevations in feet refer to M.S.L.

REVISION	DATE	DESCRIPTION	BY
DESIGNED:	DRAWN:	CHECKED:	CODE IDENT. NO. SIZE FILE NO.
R.G.O.	G.P.M.	W.H.S.	H-8-24403
DATE: MAY 1968	SCALE: SHOWN	SPEC. NO. DACW28-68-B-0138	DWG. NO. 23 OF 23

UNDISTURBED BORINGS