

EMERGENCY OPERATIONS FLOODWALL STRUCTURES

Updated 29 February 2000

These instructions do not apply to this .pdf file - For Table of Contents only.

INSTRUCTIONS: If stated (in RED), please load the correct DVD or CD disk in the internal DVD/CD drive of the NOTEBOOK or load the correct JAZ disk in the external 2GB JAZ drive before clicking the related **hypertexted (BLUE) file name TWICE**. Otherwise, the data set resides on an internal 25GB disk drive of the NOTEBOOK.

INNER HARBOR NAVIGATIONAL CANAL EAST LEVEE FLOODWALL AND LEVEE NORTH OF FLORIDA AVENUE

FLOODWALL CAPPING

Lake Pontchartrain, LA and Vicinity Chalmette Area Plan

Orleans Parish, Louisiana

File Number H-4-30753; Spec Number DACW29-91-B-0014

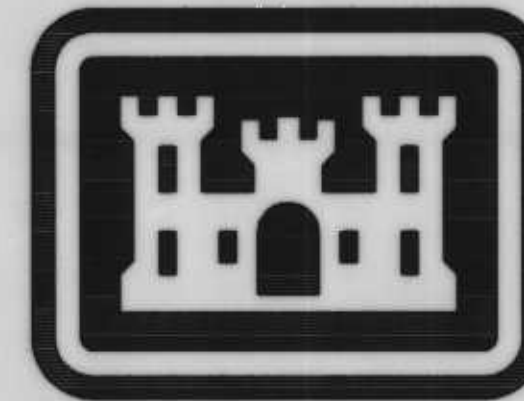
Structures Branch Stick File Number ??

SHEET #	DRAWING TITLE
0	Title Sheet
File:	H-4-30753-00
1	Vicinity Map, Location Map, and Index to Drawings
File:	H-4-30753-01
2	Plan
File:	H-4-30753-02
3	Profile
File:	H-4-30753-03
4	Typical Cross Sections
File:	H-4-30753-04
5	Typical Cross Sections
File:	H-4-30753-05
6	Shet Pile Details and Ladder Details
File:	H-4-30753-06
7	Typical Joint Details and Settlement Reference Details
File:	H-4-30753-07
8	Typical Wall Joints
File:	H-4-30753-08
9	I-Wall Reinforcement and Typical Wall Joints
File:	H-4-30753-09
10	Stage Hydrograph
File:	H-4-30753-10

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PLANS FOR
LAKE PONTCHARTRAIN, LA.
AND VICINITY
HURRICANE PROTECTION
ORLEANS PARISH, LA.

**I. H. N. C. EAST - NORTH OF FLORIDA AVE.
FLOODWALL CAPPING**



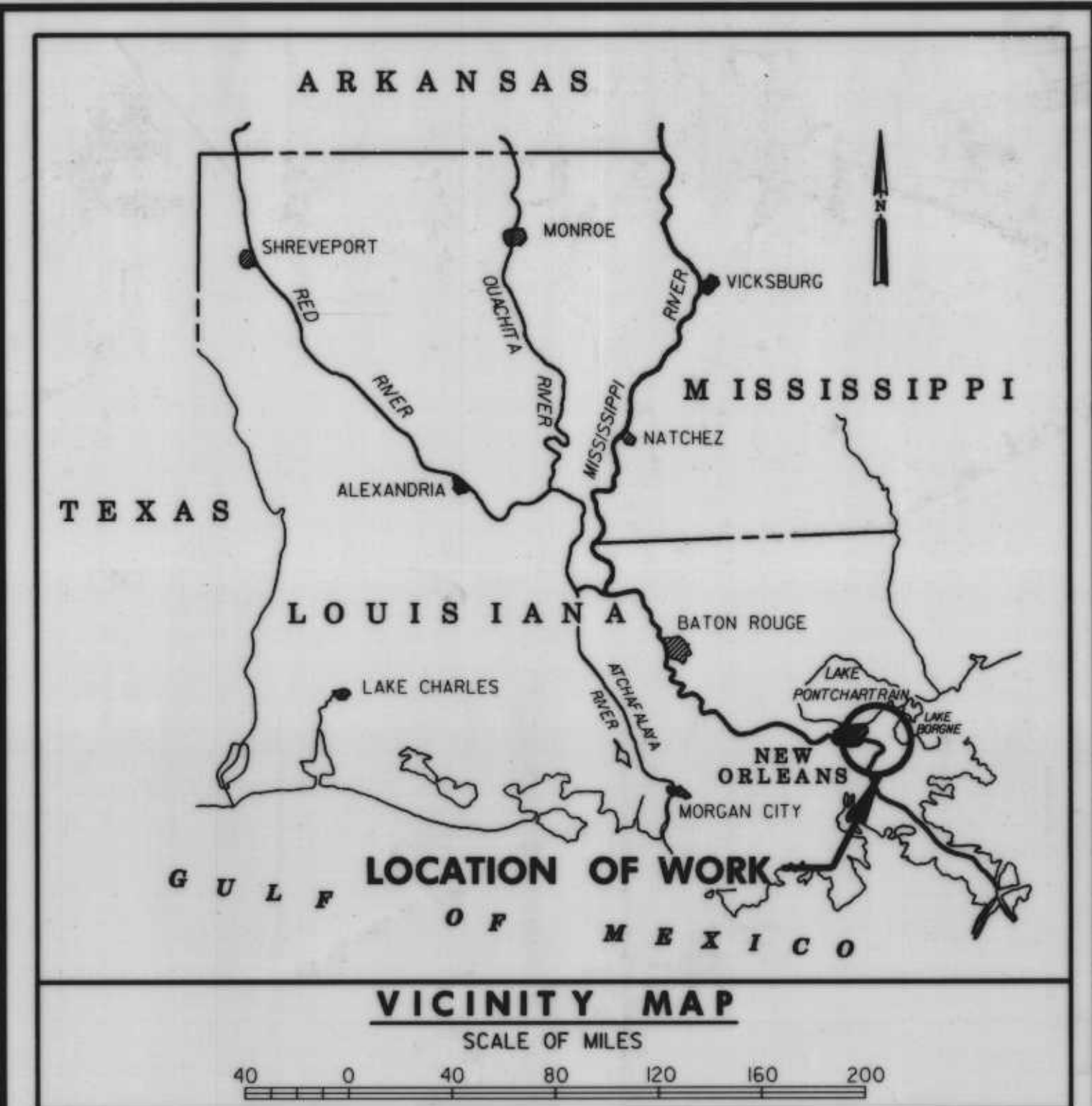
U. S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT



1991

H-4-30753

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INDEX TO DRAWINGS

DWG.	DESCRIPTION	DWG.	DESCRIPTION
1	VICINITY MAP, LOCATION MAP AND INDEX TO DRAWINGS	7	TYPICAL JOINT DETAILS AND SETTLEMENT REFERENCE DETAILS
2	PLAN	8	TYPICAL WALL JOINTS
3	PROFILE	9	I-WALL REINFORCEMENT AND TYPICAL WALL JOINTS
4	TYPICAL CROSS SECTIONS	10	STAGE HYDROGRAPHS
5	TYPICAL CROSS SECTIONS		
6	SHEET PILE DETAILS AND LADDER DETAILS		

TABULATION OF BENCH MARKS

DESIGNATION	DESCRIPTION	ELEVATION N.G.V.D.
R 189 A-CGS BM DISK	AT NEW ORLEANS, NEAR THE INTERSECTION OF FLORIDA AVENUE AND JORDAN AVENUE, AT THE NEW ORLEANS SEWERAGE AND WATER BOARD PUMPING STATION NO. 5, SET VERTICALLY IN THE SOUTH CONCRETE WALL OF FOUNDATION USED FOR HOIST (8 FEET HIGH AND SET ON PILING DRIVEN 80 FEET DEEP) WITH TRACK ON TOP OF WALL, 101 FEET WEST OF THE NORTHWEST CORNER OF THE PUMP HOUSE, 203 FEET NORTH OF THE CENTER LINE OF FLORIDA AVENUE, 129 FEET WEST OF BENCH MARK 5 (NOS&WB) DESCRIBED AND 2 FEET ABOVE THE LEVEL OF THE GROUND.	5.60

REVISION	DATE	DESCRIPTION	BY

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

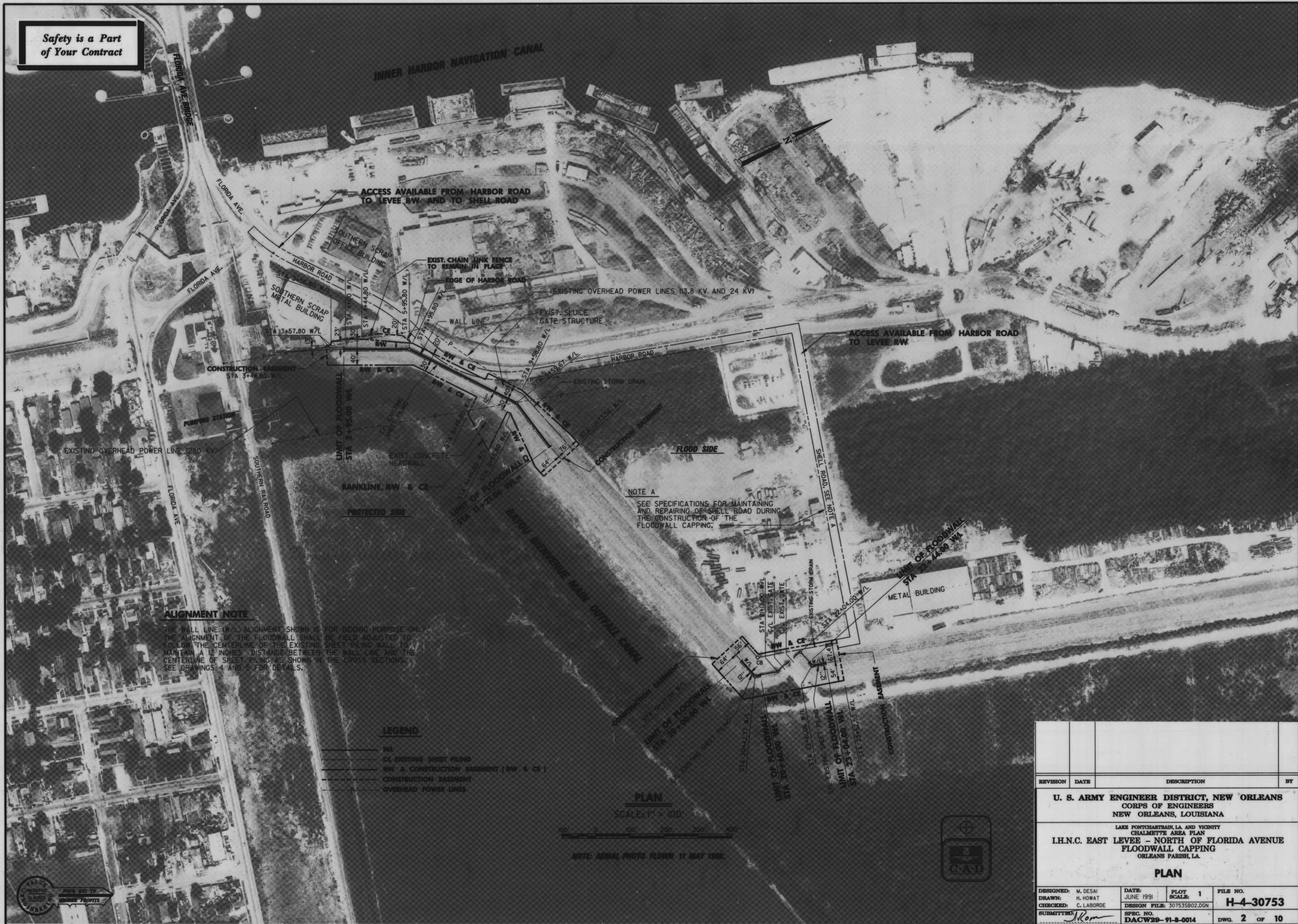
SUBMITTED: *for Robert Amey*
 CHIEF DESIGN BRANCH
 APPROVED: *William B. Deane*
 CHIEF ENGINEERING DIVISION
 APPROVED: *William B. Deane*
 COLONEL, U. S. ARMY
 DESIGNED: M. DESAI
 DRAWN: H. HOWAT
 CHECKED: C. LABORDE
 SUBMITTED: *JK*

LAKE PONTCHARTRAIN, LA. AND VICINITY
 CHALMETTE AREA PLAN
 I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE
 FLOODWALL CAPPING
 ORLEANS PARISH, LA.
**VICINITY MAP, LOCATION MAP
AND INDEX TO DRAWINGS**

DATE: JUNE 1991	PLOT SCALE: 1	FILE NO. H-4-30753
DESIGN FILE: 30753S801.DGN		
SPEC. NO. DACW20-91-B-0014		DWG. 1 OF 10



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ACCESS AVAILABLE FROM HARBOR ROAD
TO LEVEE RW AND TO SHELL ROAD

ACCESS AVAILABLE FROM HARBOR ROAD
TO LEVEE RW

NOTE A
SEE SPECIFICATIONS FOR MAINTAINING
AND REPAIRING OF SHELL ROAD DURING
THE CONSTRUCTION OF THE
FLOODWALL CAPPING.

ALIGNMENT NOTE

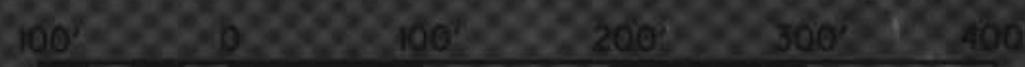
THE WALL LINE (W/L) ALIGNMENT SHOWN IS FOR BIDDING PURPOSE ONLY.
THE ALIGNMENT OF THE FLOODWALL SHALL BE FIELD ADJUSTED TO
FOLLOW THE CENTERLINE OF THE EXISTING SHEET PILING WALL TO
MAINTAIN A 12 INCHES DISTANCE BETWEEN THE WALL LINE AND THE
CENTERLINE OF SHEET PILING AS SHOWN IN THE CROSS SECTIONS.
SEE DRAWINGS 4 AND 5 FOR DETAILS.

LEGEND

- W/L
- CA EXISTING SHEET PILING
- RW & CONSTRUCTION EASEMENT (RW & CE)
- CONSTRUCTION EASEMENT
- OVERHEAD POWER LINES

PLAN

SCALE: 1" = 100'



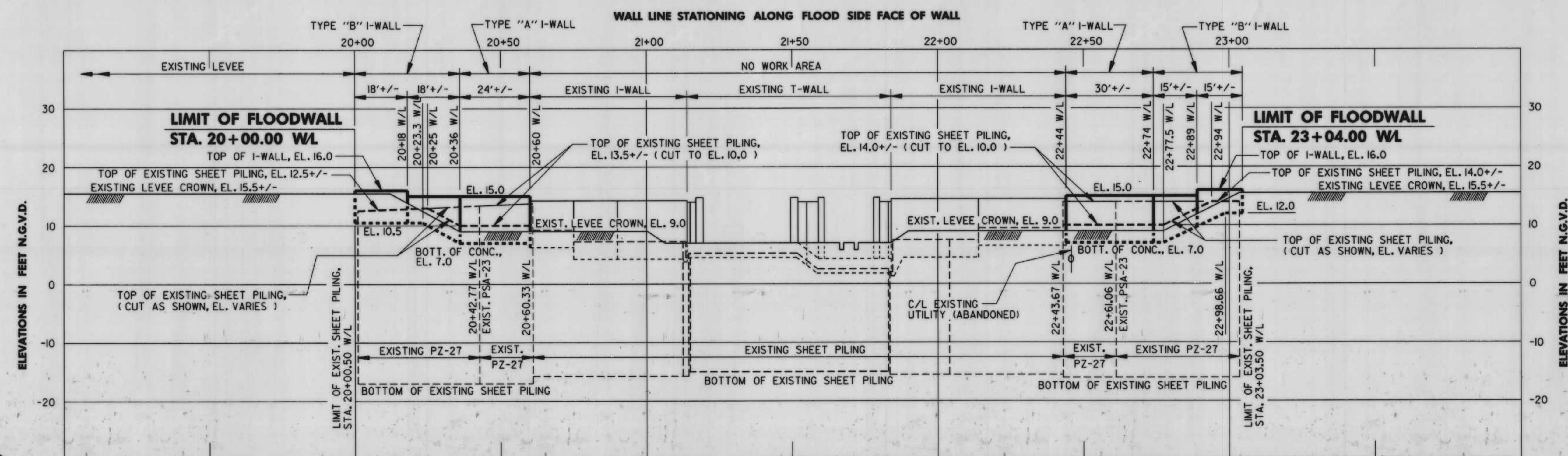
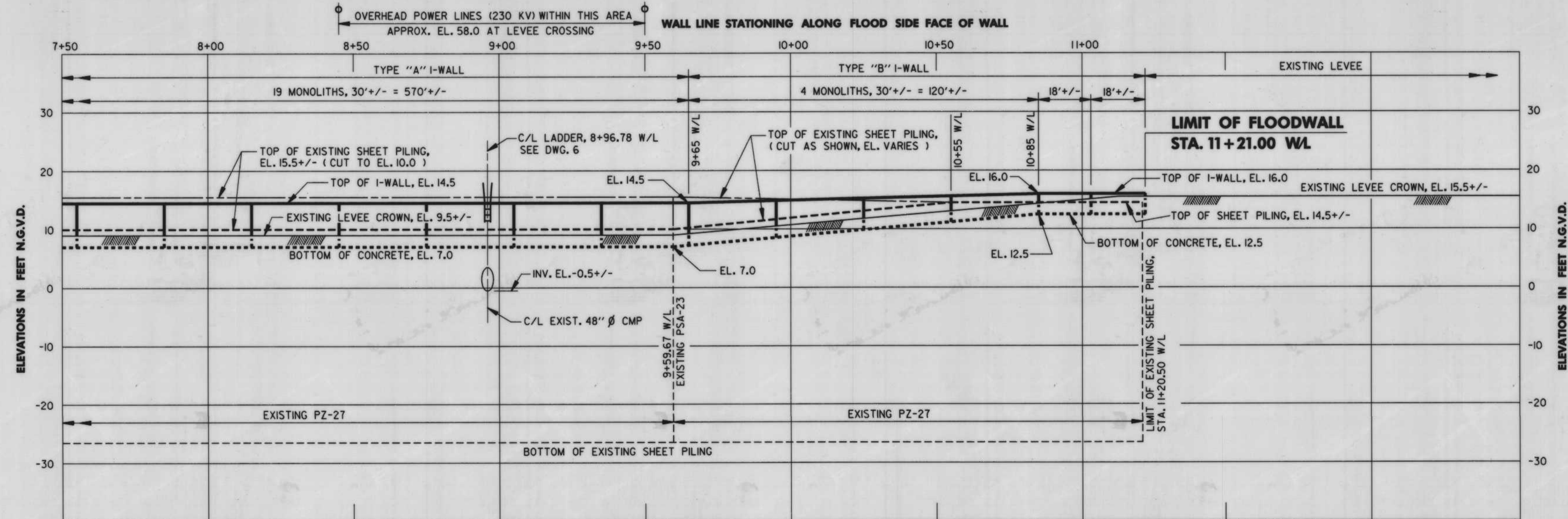
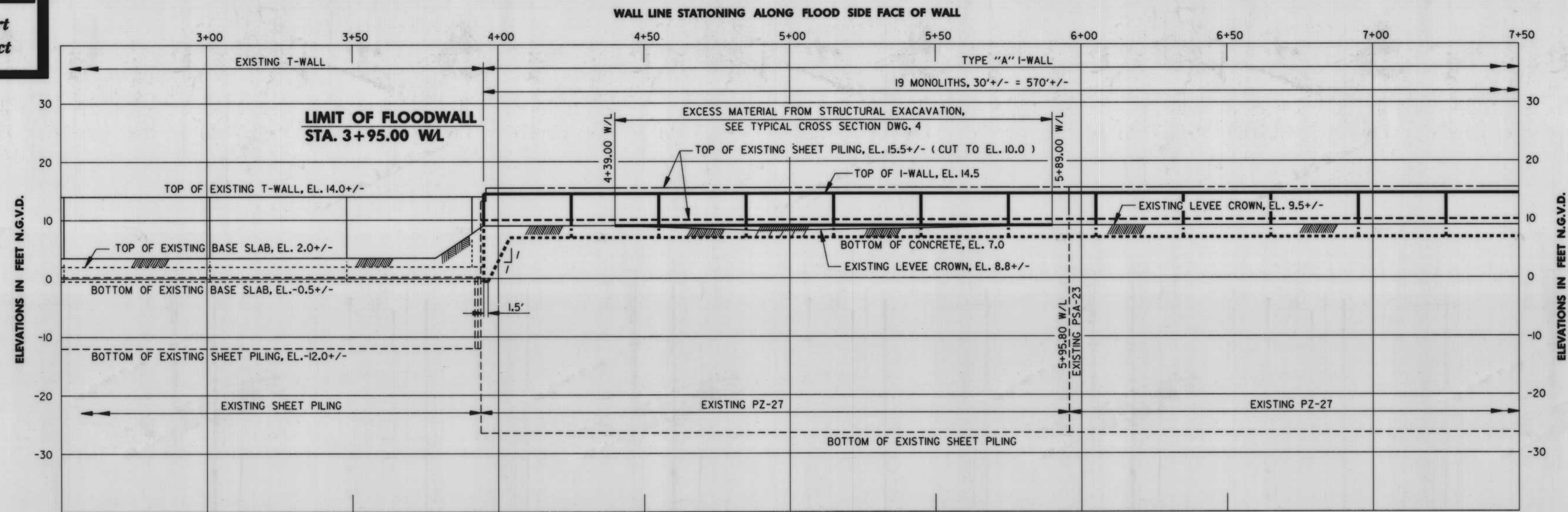
NOTE: AERIAL PHOTO FLOWN 11 MAY 1988.



REVISION	DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>LAKE PONTCHARTRAIN, LA. AND VICINITY</small> <small>CHALMETTE AREA PLAN</small> I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE FLOODWALL CAPPING <small>ORLEANS PARISH, LA.</small>			
PLAN			
DESIGNED: M. DESAI	DATE: JUNE 1991	PLOT SCALE: 1	FILE NO.
DRAWN: H. HOWAT	CHECKED: C. LABORDE	DESIGN FILE: 307535802.DGN	H-4-30753
SUBMITTED: <i>Mom</i>	SPEC. NO. DACW28-91-B-0014	DWG. 2	OF 10



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PROFILE
SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'

ELEVATIONS IN FEET N.G.V.D.

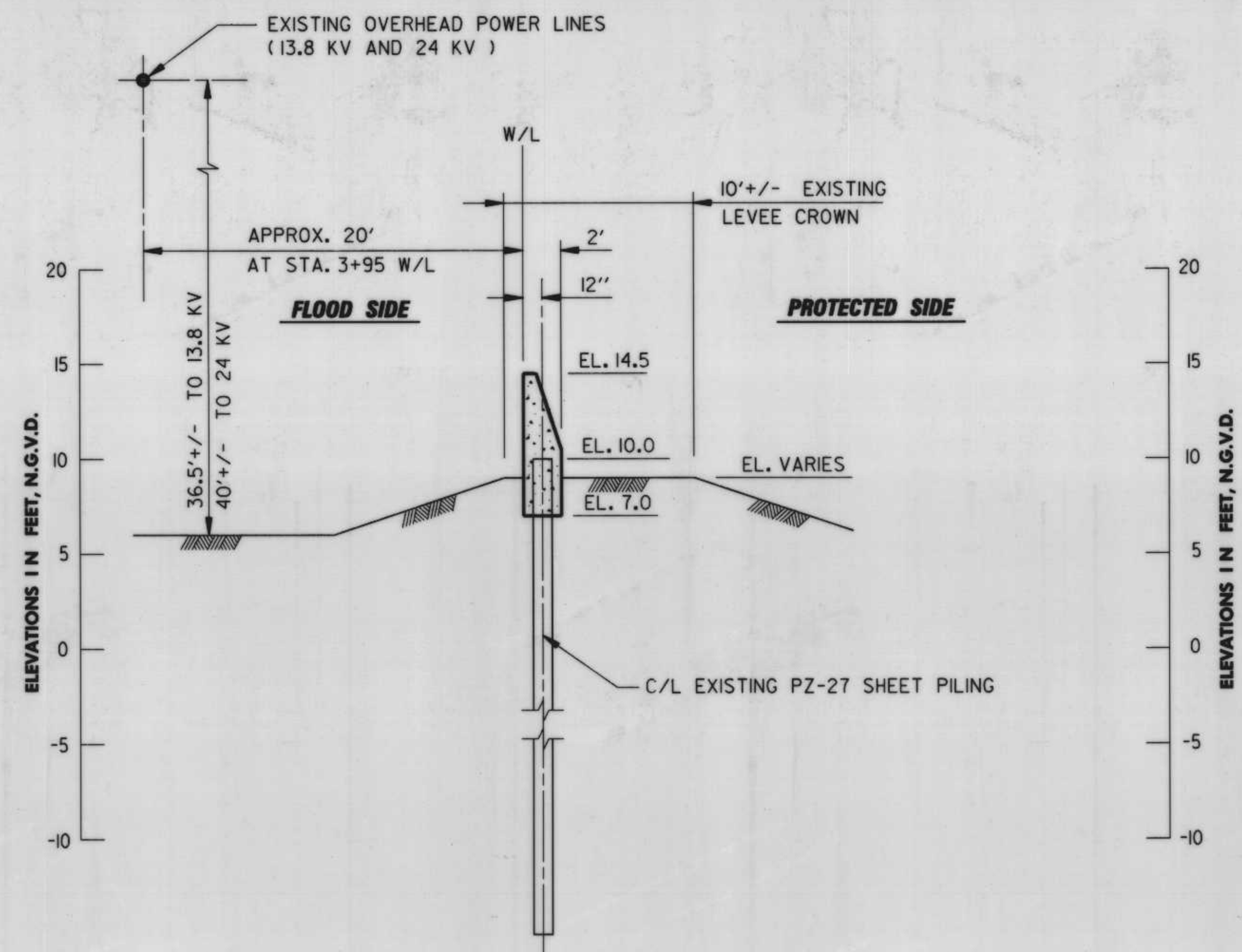
ELEVATIONS IN FEET N.G.V.D.

ELEVATIONS IN FEET N.G.V.D.

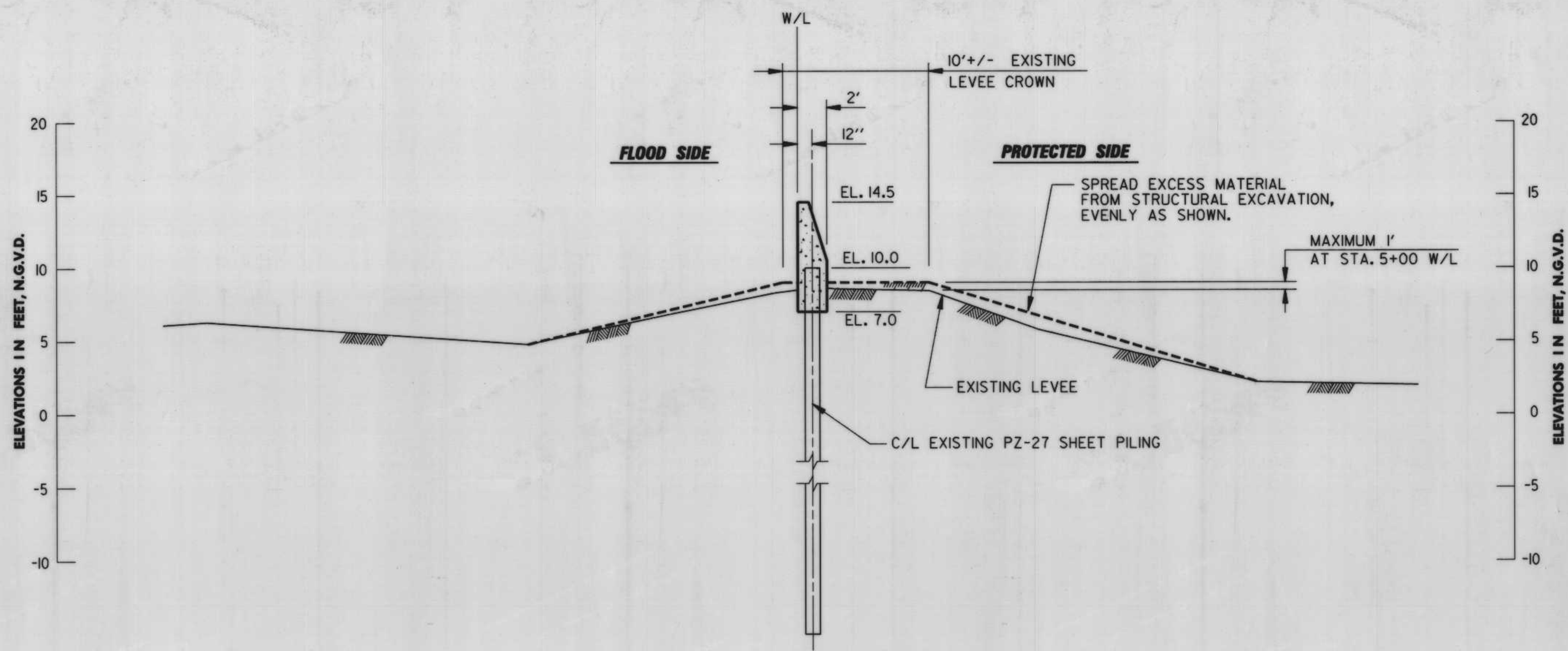


REVISION	DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>LAKE PONTCHARTRAIN, LA. AND VICINITY CHALMETTE AREA PLAN I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE FLOODWALL CAPPING ORLEANS PARISH, LA.</small>			
PROFILE			
DESIGNED: M. DESAI	DATE: JUNE 1991	PLOT SCALE: 120	FILE NO.
DRAWN: H. HOWAT	DESIGN FILE: 307535B03.DGN	H-4-30753	
CHECKED: C. LABORDE	SPEC. NO. DACW29-91-B-0014	DWG. 3 OF 10	
SUBMITTED: <i>J. Row</i>			

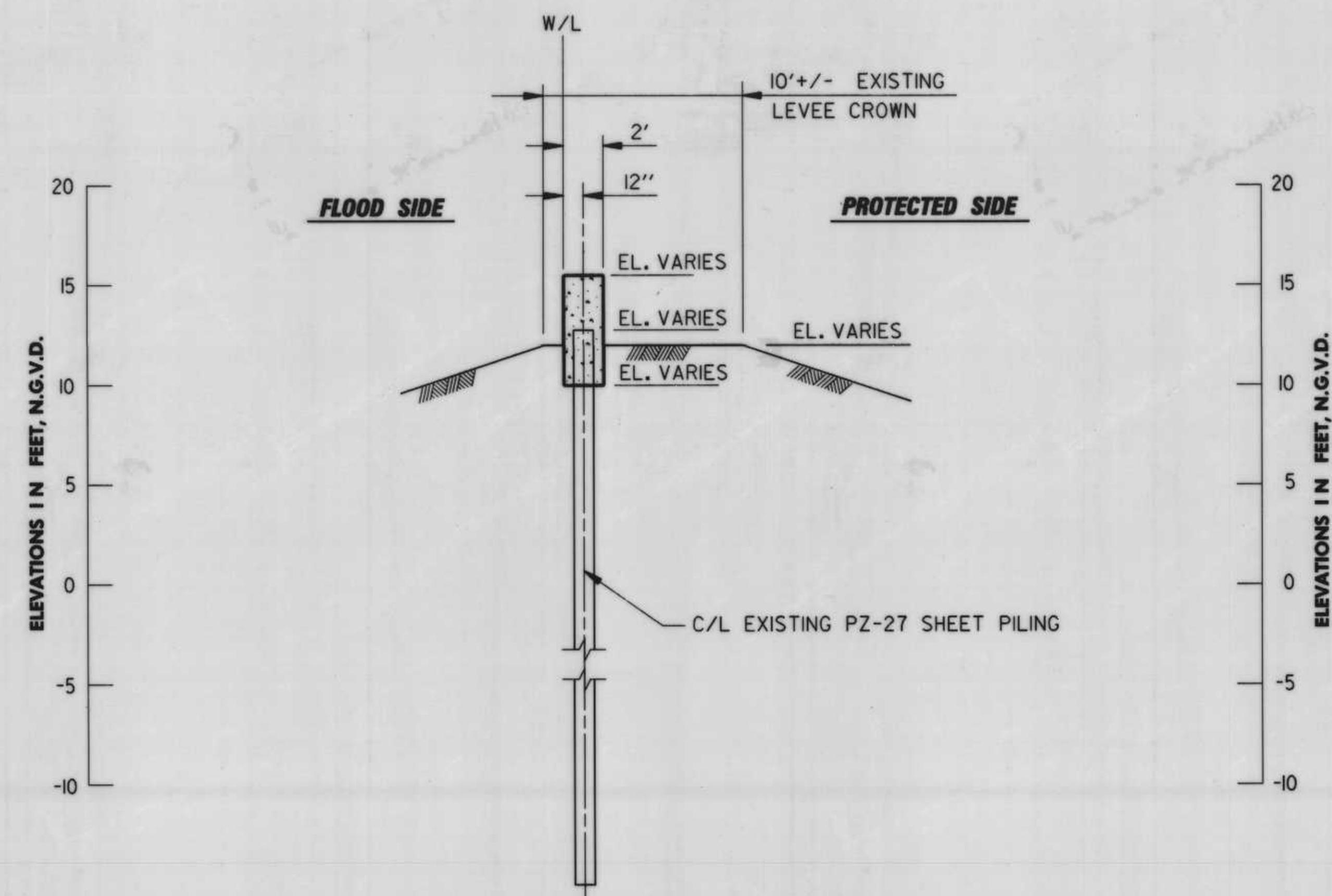




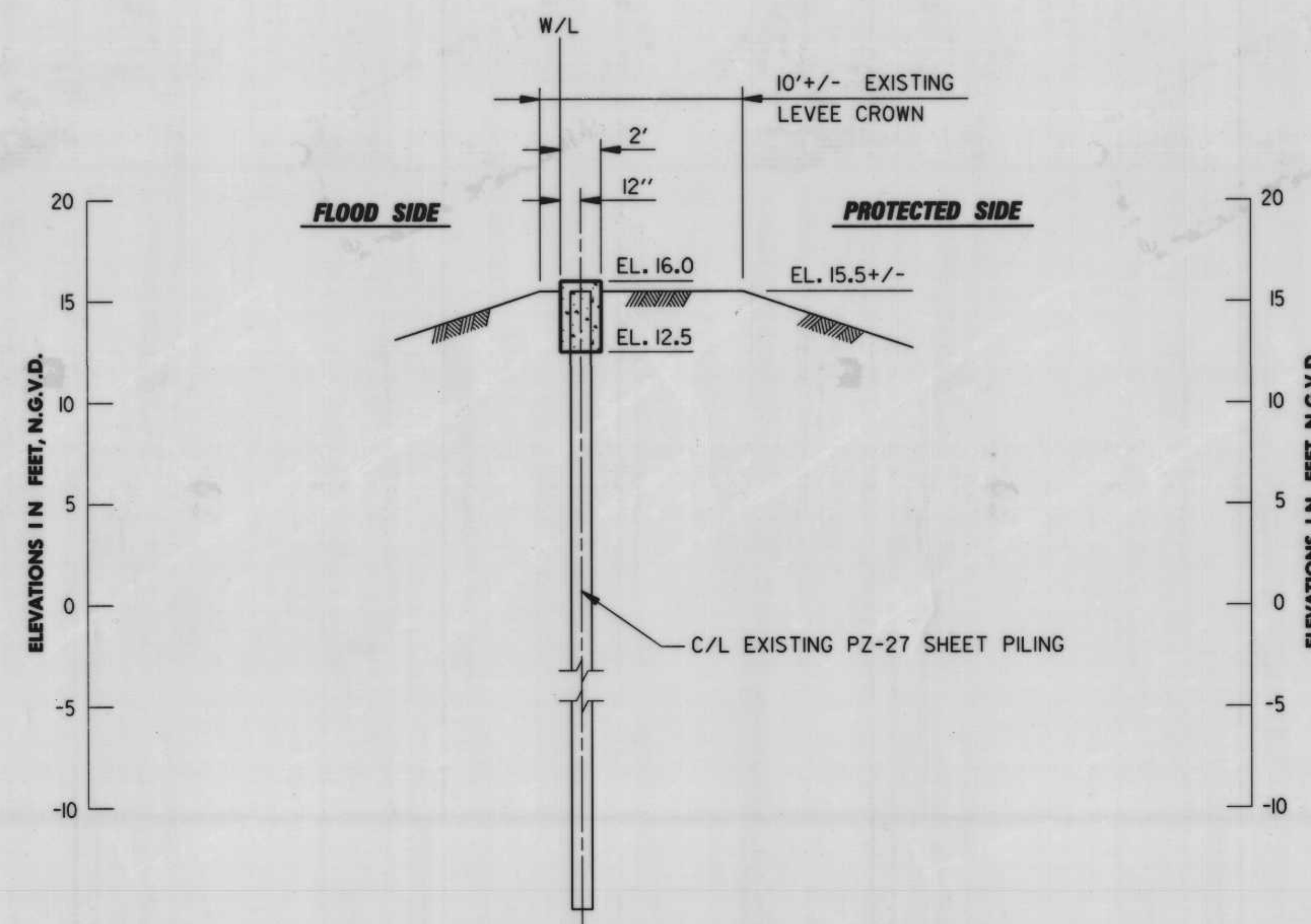
TYPICAL CROSS SECTION
STA. 3+95.00 WL TO STA. 4+39.00 WL
STA. 5+89.00 WL TO STA. 9+65.00 WL



TYPICAL CROSS SECTION
STA. 4+39.00 WL TO STA. 5+89.00 WL



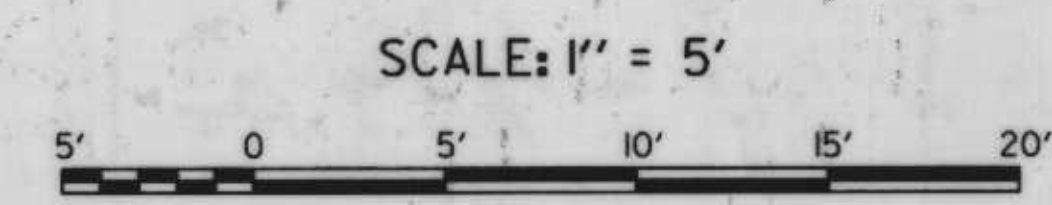
TYPICAL CROSS SECTION
STA. 9+65.00 WL TO STA. 10+85.00 WL



TYPICAL CROSS SECTION
STA. 10+85.00 WL TO STA. 11+21.00 WL

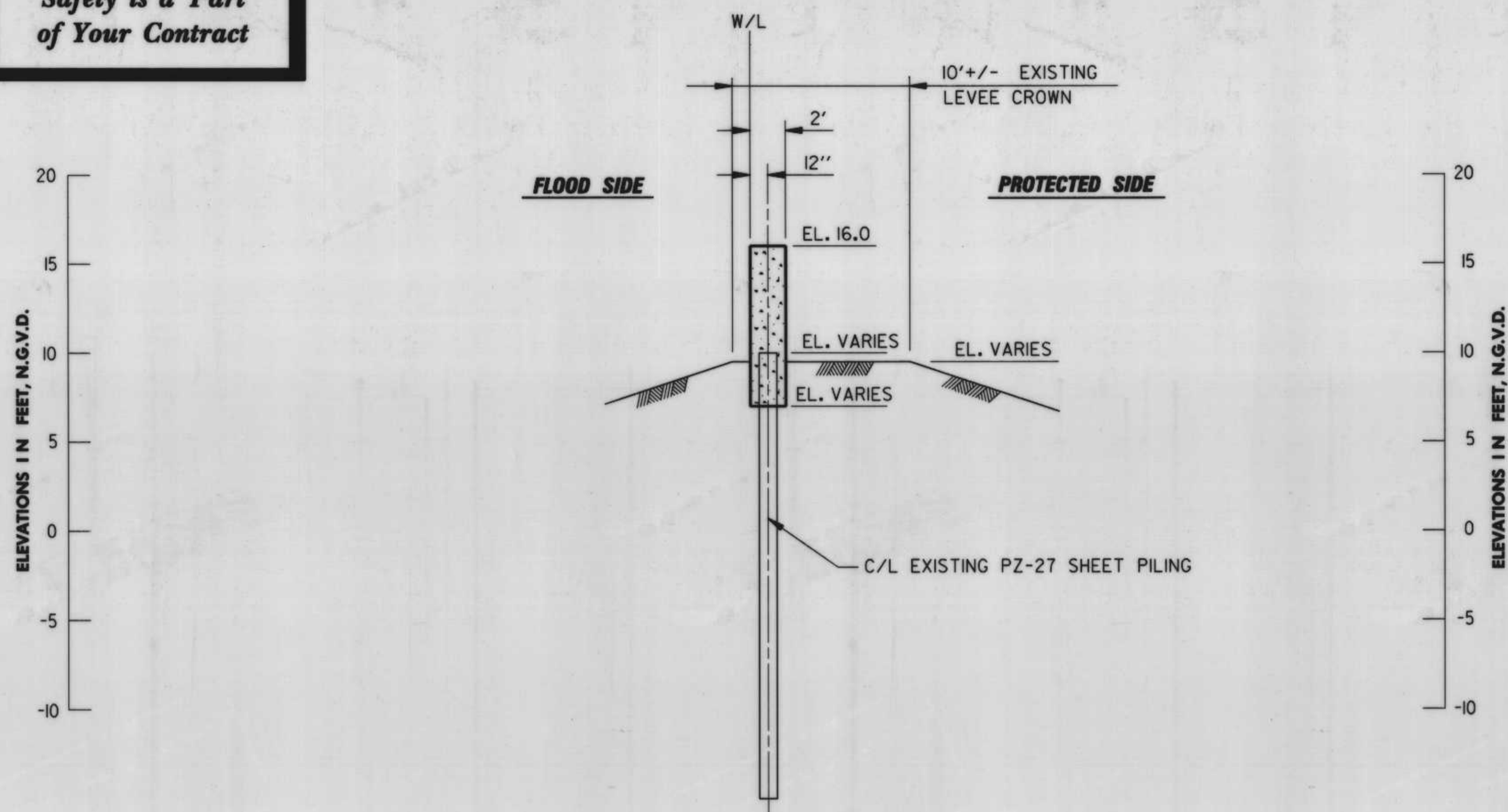


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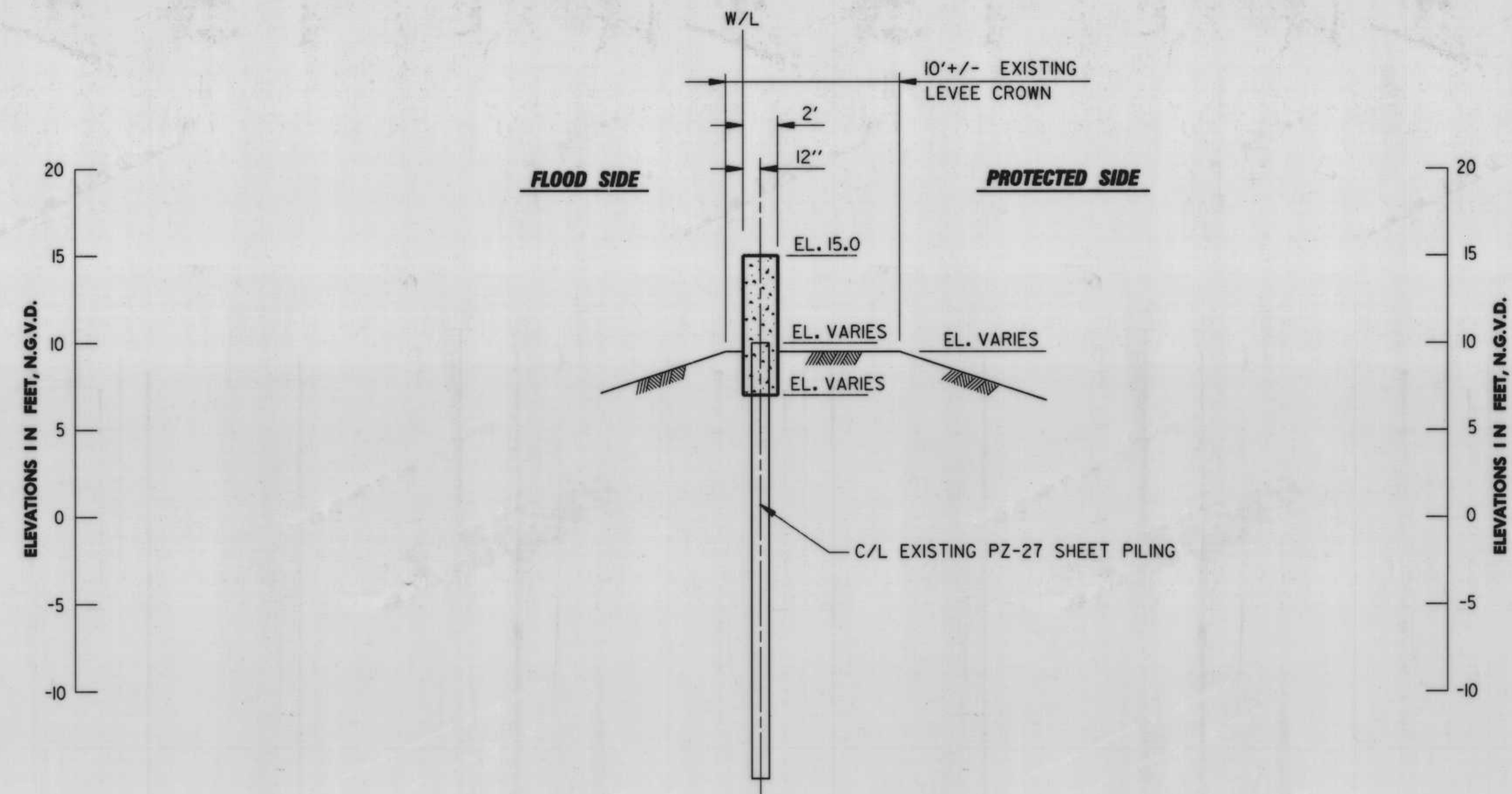


REVISION	DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE FORTCHARTRAIN, LA. AND VICINITY CHALMETTE AREA PLAN I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE FLOODWALL CAPPING ORLEANS PARISH, LA. TYPICAL CROSS SECTIONS			
DESIGNED:	M. DESAI	DATE:	JUNE 1991
DRAWN:	H. HOWAT	PLOT SCALE:	60
CHECKED:	C. LABORDE	DESIGN FILE:	30753SB10.DGN
SUBMITTED:	<i>J.P.</i>	SPEC. NO.:	DACW20-91-B-0014
			FILE NO. H-4-30753
			DWG. 4 OF 10

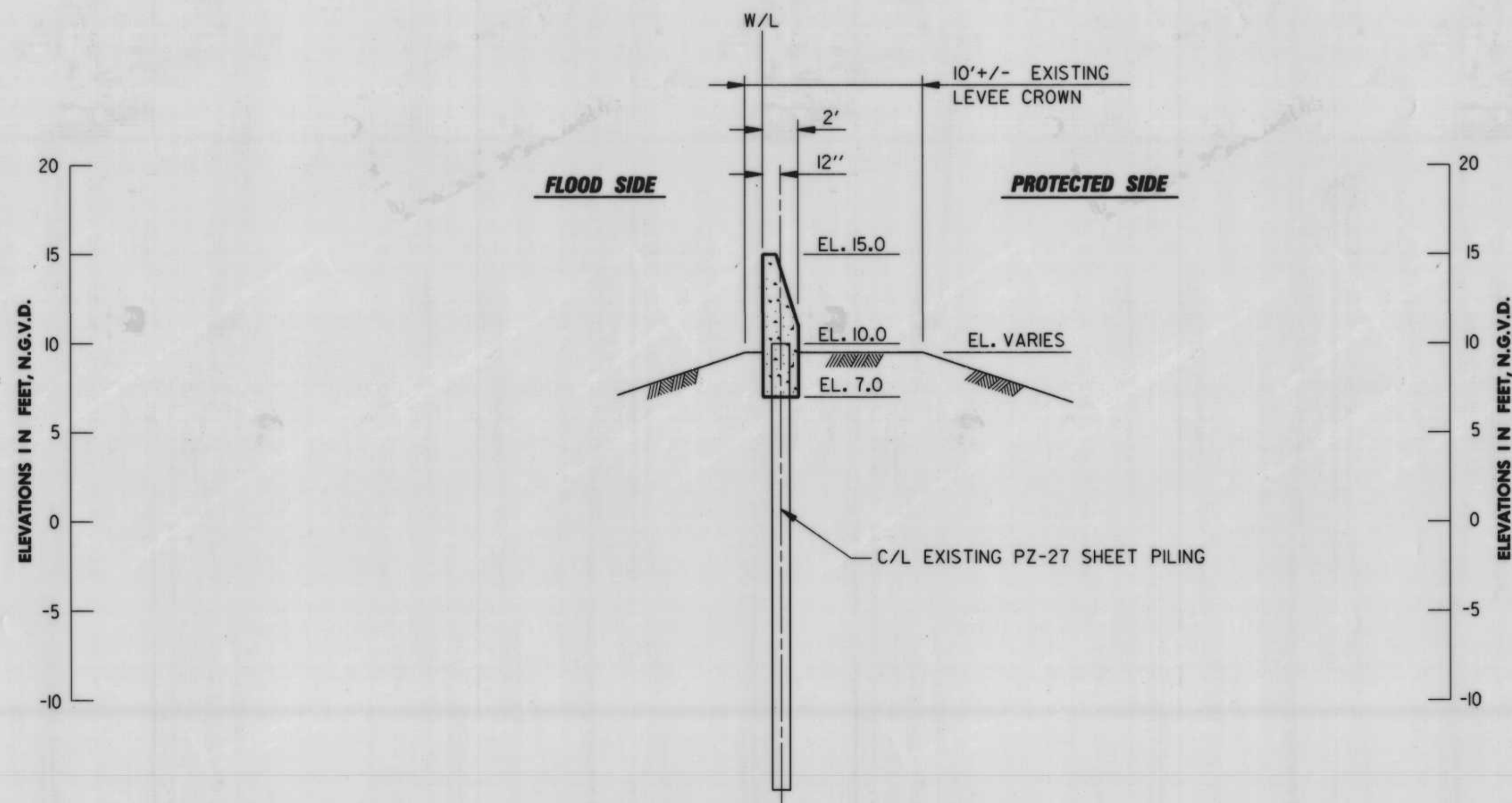
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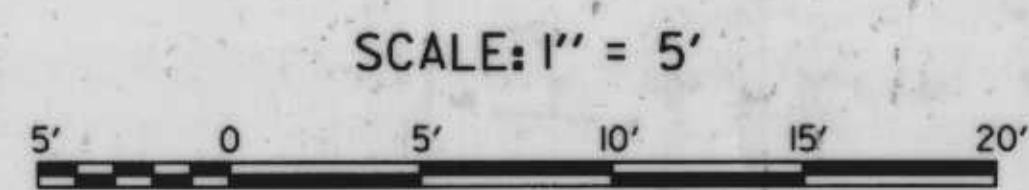
TYPICAL CROSS SECTION
STA. 20+00.00 WL TO STA. 20+18.00 WL
STA. 22+89.00 WL TO STA. 23+04.00 WL



TYPICAL CROSS SECTION
STA. 20+18.00 WL TO STA. 20+36.00 WL
STA. 22+74.00 WL TO STA. 22+89.00 WL



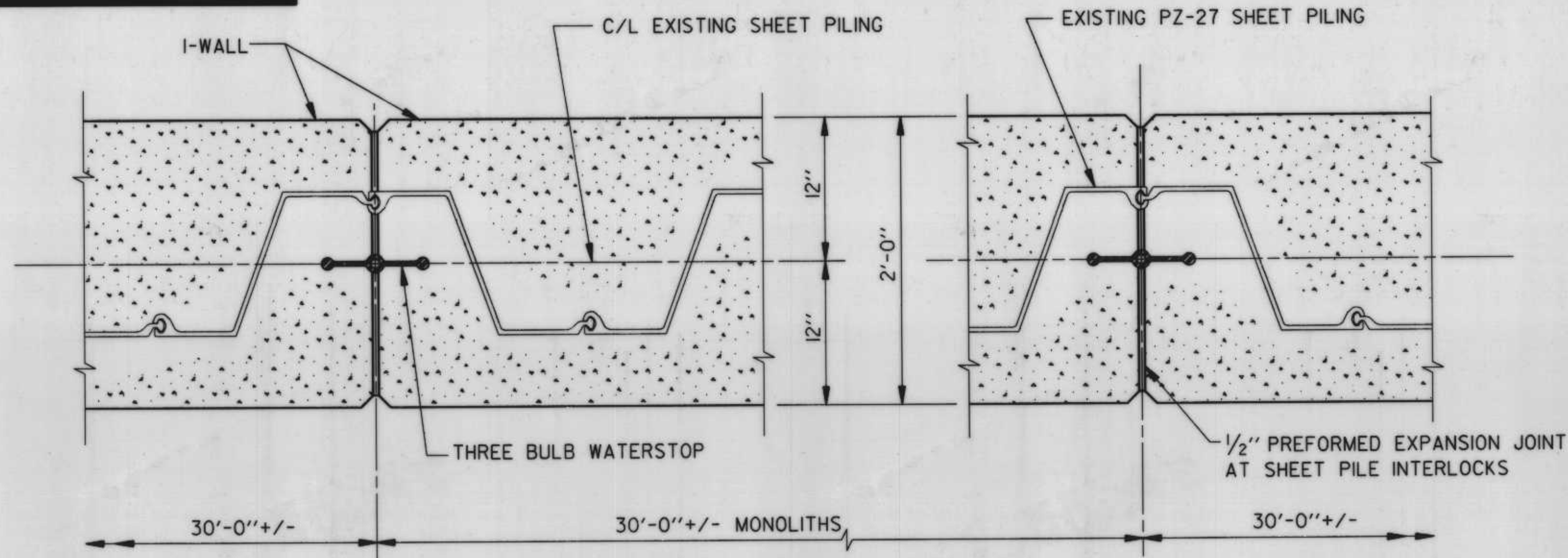
TYPICAL CROSS SECTION
STA. 20+36.00 WL TO STA. 20+60.00 WL
STA. 22+44.00 WL TO STA. 22+74.00 WL



REVISION	DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LA. AND VICINITY CHALMETTE AREA PLAN I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE FLOODWALL CAPPING ORLEANS PARISH, LA. TYPICAL CROSS SECTIONS			
DESIGNED:	M. DESAI	DATE:	JUNE 1991
DRAWN:	H. HOWAT	PLOT SCALE:	60
CHECKED:	C. LABORDE	DESIGN FILE:	307535B1.DGN
SUBMITTED:	<i>J. K.</i>	SPEC. NO.:	DACW29-91-B-0014
			FILE NO. H-4-30753
			DWG. 5 OF 10



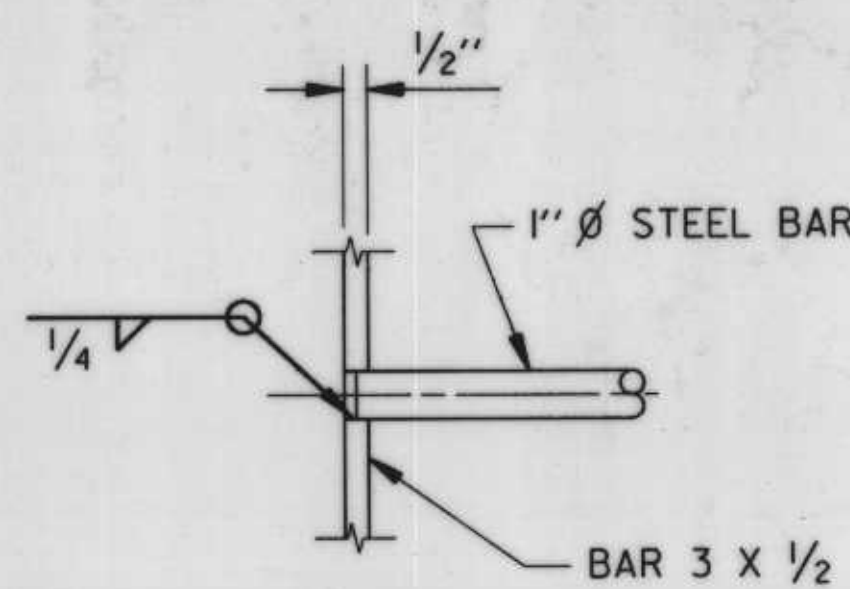
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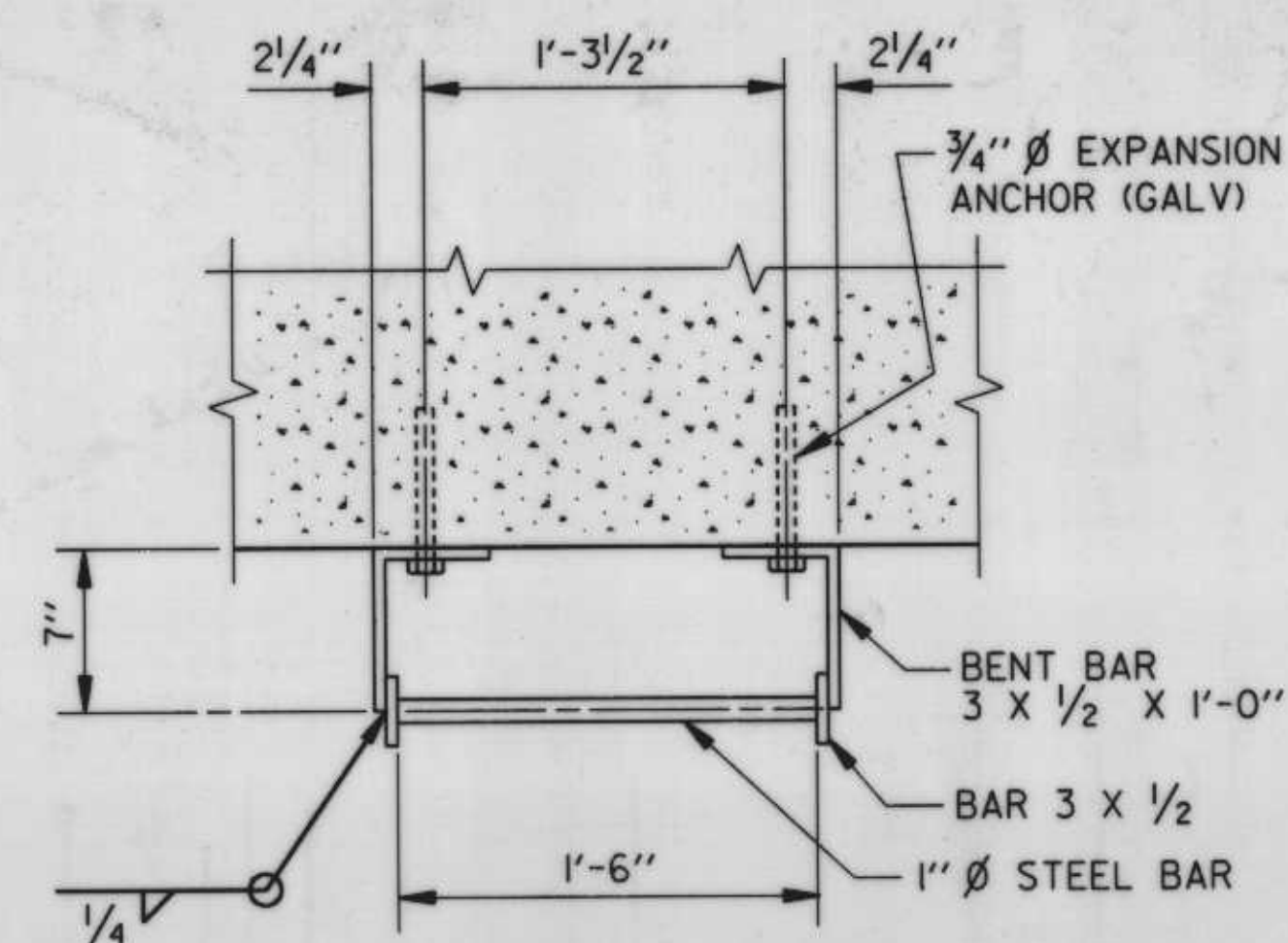
TYPICAL MONOLITH AT SHEET PILE INTERLOCKS

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

NOTE:
I-WALL MONOLITHS SHALL BE 30'-0" +/- UNLESS OTHERWISE INDICATED ON THE PROFILE. EACH MONOLITH SHALL END AT THE CENTER OF THE NEAREST SHEET PILE INTERLOCK.



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

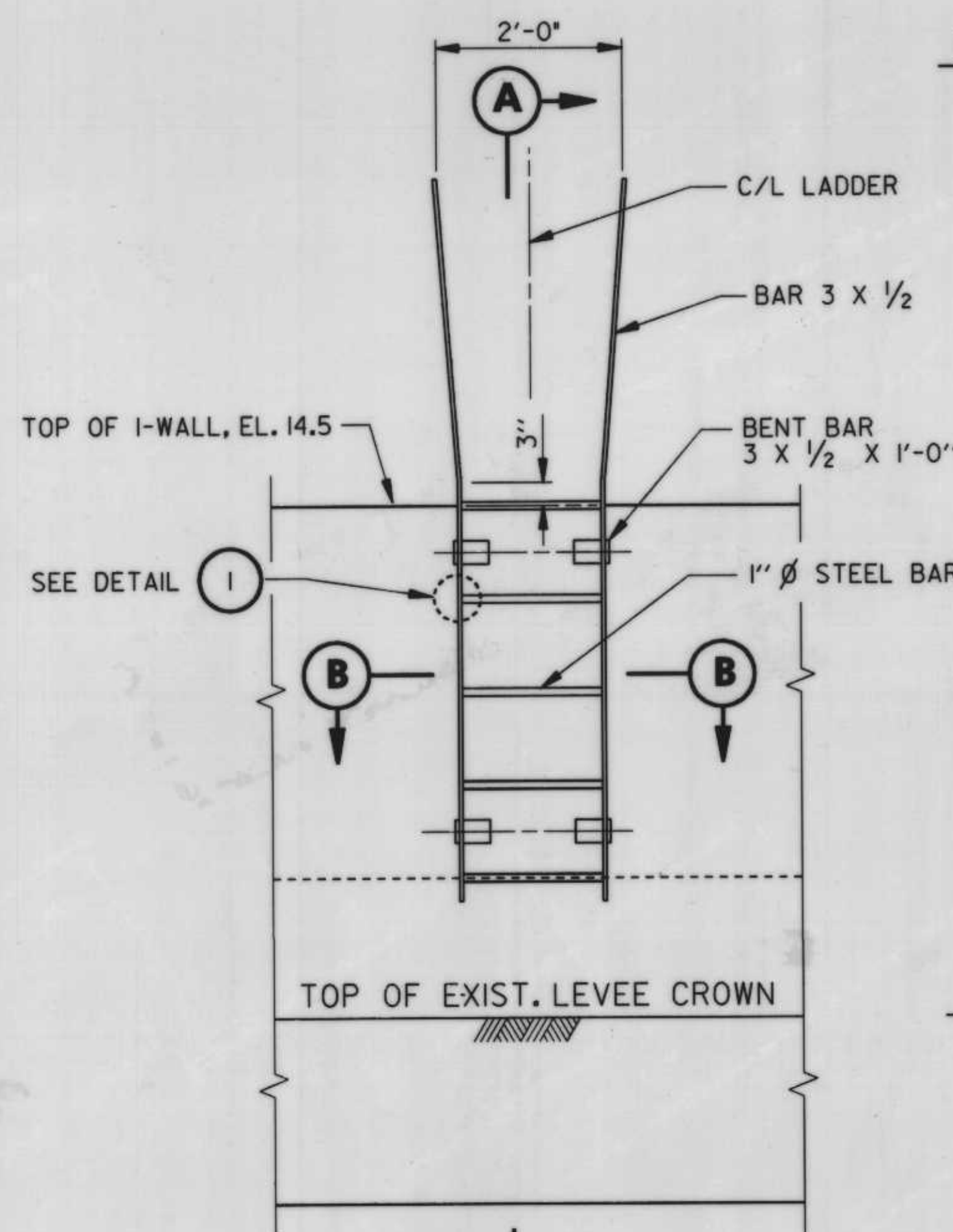


SECTION B
SCALE: 1 1/2" = 1' - 0"

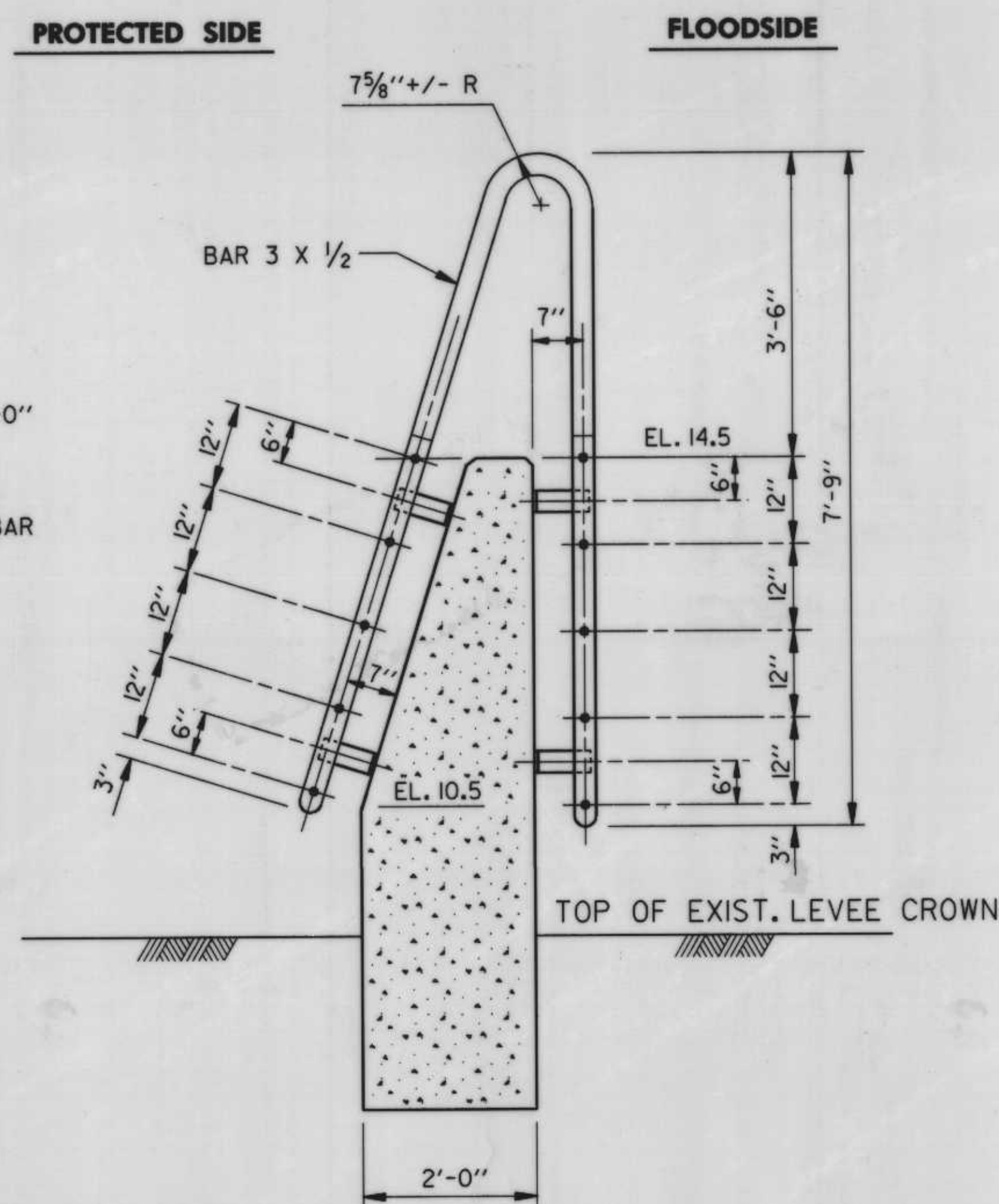
GENERAL NOTES:
1. ALL AZIMUTHS ARE TURNED IN A CLOCKWISE DIRECTION FROM 0° (DUE SOUTH).
2. ELEVATIONS ARE IN FEET AND REFER TO NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
3. DIMENSIONS AND/OR ELEVATIONS MARKED THUS (+/-) ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS IN THE FIELD.
4. DIMENSIONS AND/OR ELEVATIONS MARKED THUS (N.T.S.) ARE NOT SHOWN TO SCALE.
5. DRAWINGS ARE GENERALLY TO SCALE, BUT SHOULD NOT BE SCALED. N.T.S. IS SHOWN ONLY WHERE DRAWING IS OBVIOUSLY OUT OF SCALE.
6. BENCH MARKS AND BASE LINES WILL BE ESTABLISHED AT THE SITE BY THE GOVERNMENT.

STEEL NOTES:
1. ALL STRUCTURAL STEEL SHALL BE ASTM A36, UNLESS OTHERWISE NOTED.
2. TO PREVENT CORROSION BY MOISTURE BETWEEN STEEL SURFACES IN CONTACT, ALL SUCH CONTACTS SHALL BE SEALED WATERTIGHT BY RUNNING A CONTINUOUS 1/2" FILLET WELD ALONG ALL EDGES OF THE CONTACT, UNLESS OTHERWISE NOTED.
3. ALL WELDING SHALL BE ELECTRIC WELDING. WORKMANSHIP AND TECHNIQUE, WHERE APPLICABLE, SHALL CONFORM TO THE AMERICAN WELDING SOCIETY SPECIFICATIONS (SEE SPECS.) STRUCTURAL WELDING CODE.
4. WELDING SYMBOLS SHOWN ARE THOSE ADOPTED BY THE AMERICAN WELDING SOCIETY AND INDICATE ONLY SIZE AND TYPE OF WELDS REQUIRED. DETAILED INFORMATION SHALL BE SHOWN ON THE SHOP DRAWINGS AND SUBMITTED BY THE CONTRACTOR FOR APPROVAL.
5. DIMENSIONS SHOWN OR CALLED FOR ARE FINAL DIMENSIONS; ALLOWANCES MUST BE MADE FOR MACHINING.
6. ITEMS MARKED C.R.S. SHALL BE CORROSION RESISTANT STEEL (STAINLESS STEEL) SEE SPECIFICATIONS.

CONCRETE NOTES:
1. F'c = 3000 PSI, Fy = 60,000 PSI.
2. ALL UNFORMED SURFACES SHALL BE GIVEN A FLOAT FINISH UNLESS A STEEL TROWEL FINISH IS SPECIFIED.
3. ALL EXTERIOR FORMED SURFACES NOT COVERED BY BACKFILL SHALL BE CLASS 'A' FINISH AND SURFACES COVERED BY BACKFILL SHALL BE CLASS 'B' FINISH, UNLESS OTHERWISE NOTED.
4. CONSTRUCTION JOINTS SHALL BE PROVIDED WHERE SHOWN, WHERE NOT SHOWN, CONSTRUCTION JOINTS SHALL BE PLACED AT LOCATIONS LEAST LIKELY TO IMPAIR THE INTEGRITY OF THE CONCRETE STRUCTURE. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE CONTRACTING OFFICER.
5. UNLESS OTHERWISE NOTED, PROVIDE 3/4" CHAMFER AT ALL EXPOSED JOINTS, EDGES, EXTERNAL CORNERS, VERTICAL EXPANSION JOINTS AND HORIZONTAL CONSTRUCTION JOINTS.
6. ALL PRIMARY REINFORCEMENT SHALL HAVE A MINIMUM COVER OF 3", UNLESS OTHERWISE NOTED. THE COVER FOR SECONDARY REINFORCEMENT MAY BE REDUCED FROM THE ABOVE BY THE DIAMETER OF THE BAR.
7. ALL BENDS OF REINFORCEMENT AND ALL BAR SPACES AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE 'MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES' IN EFFECT AT THE TIME OF FABRICATION.
8. REINFORCING BAR DESIGNATION NUMBERS CONFORM TO THE CURRENT NUMBERING SYSTEM OF THE CONCRETE REINFORCING STEEL INSTITUTE.
9. TOP BARS ARE HORIZONTAL BARS AND BARS INCLINED LESS THAN 45 DEGREES WITH RESPECT TO A HORIZONTAL PLANE SHALL BE PLACED THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
10. REINFORCING BARS SHALL BE CONTINUOUS AT ALL CORNERS UNLESS OTHERWISE NOTED.
11. REINFORCEMENT WHERE NECESSARY TO AVOID OPENINGS, PIPES, EMBEDDED ITEMS AND OTHER OBSTRUCTIONS SHALL BE BENT OR SHIFTED AS DIRECTED BY THE CONTRACTING OFFICER.
12. THE EMBEDMENT AND LAP SPICE TABLE SHALL BE USED IN DETERMINING EMBEDMENT AND LAP SPICE LENGTHS WHERE LENGTHS ARE NOT OTHERWISE INDICATED. SPICE LENGTHS SHALL BE BASED ON THE SMALLER BAR BEING LAPPED. THE CONTRACTOR WILL BE ALLOWED TO MAKE SPLICES IN ADDITION TO THOSE INDICATED IN THE DRAWINGS, WHERE ESSENTIAL TO CONSTRUCTIBILITY SUBJECT TO APPROVAL BY THE CONTRACTING OFFICER. SPLICES OTHER THAN THOSE SHOWN ON THE DRAWINGS AND OTHER THAN ANY ADDITIONAL SPLICES REQUIRED BY THE CONTRACTING OFFICER, WILL BE AT THE CONTRACTOR'S EXPENSE.



FLOOD SIDE ELEVATION



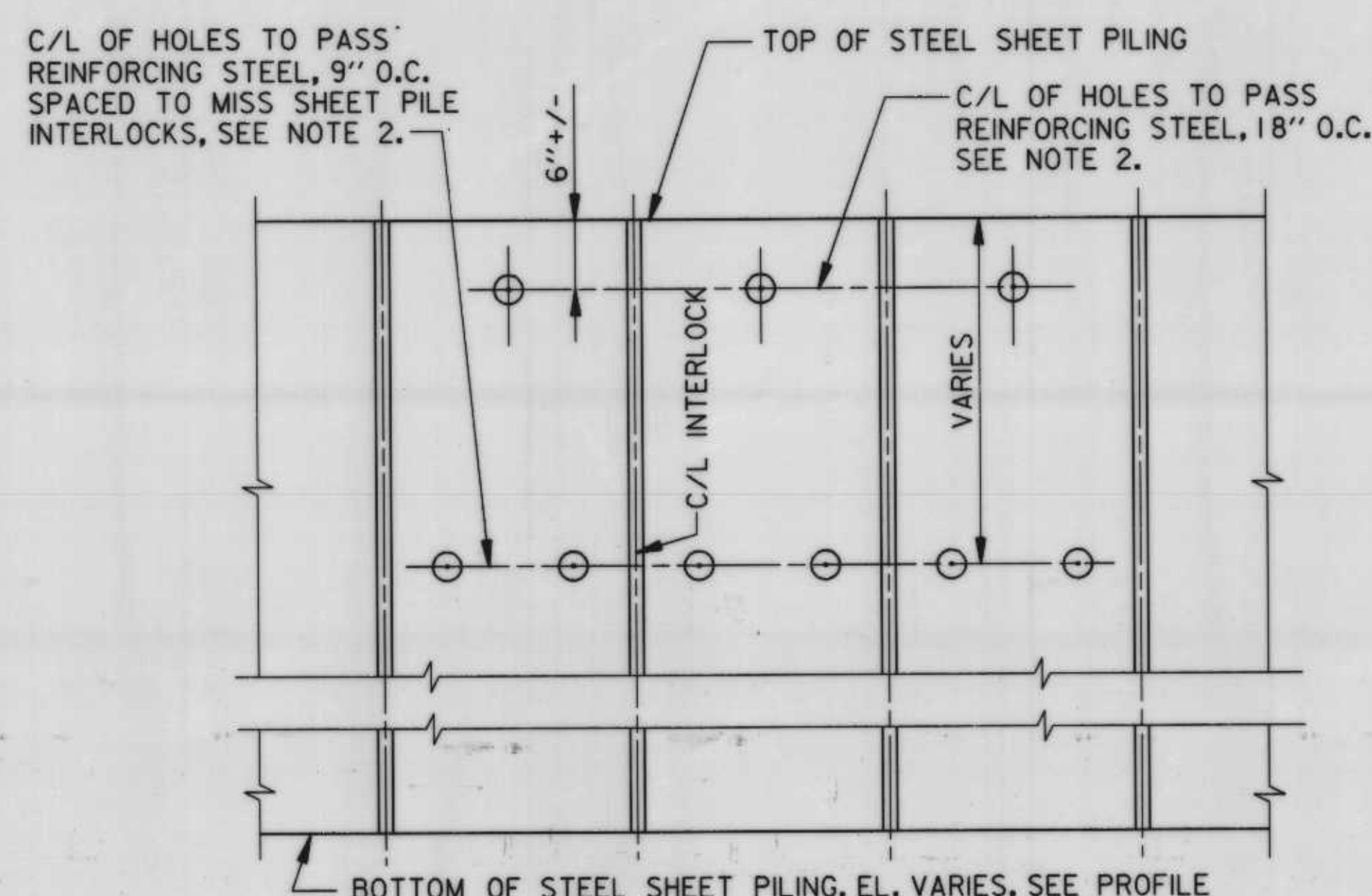
SECTION A

NOTE:
ENTIRE LADDER ASSEMBLY TO BE HOT-DIP GALVANIZED AFTER FABRICATION.

CL LADDER, STA. 8+96.78 WL

LADDER DETAILS

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

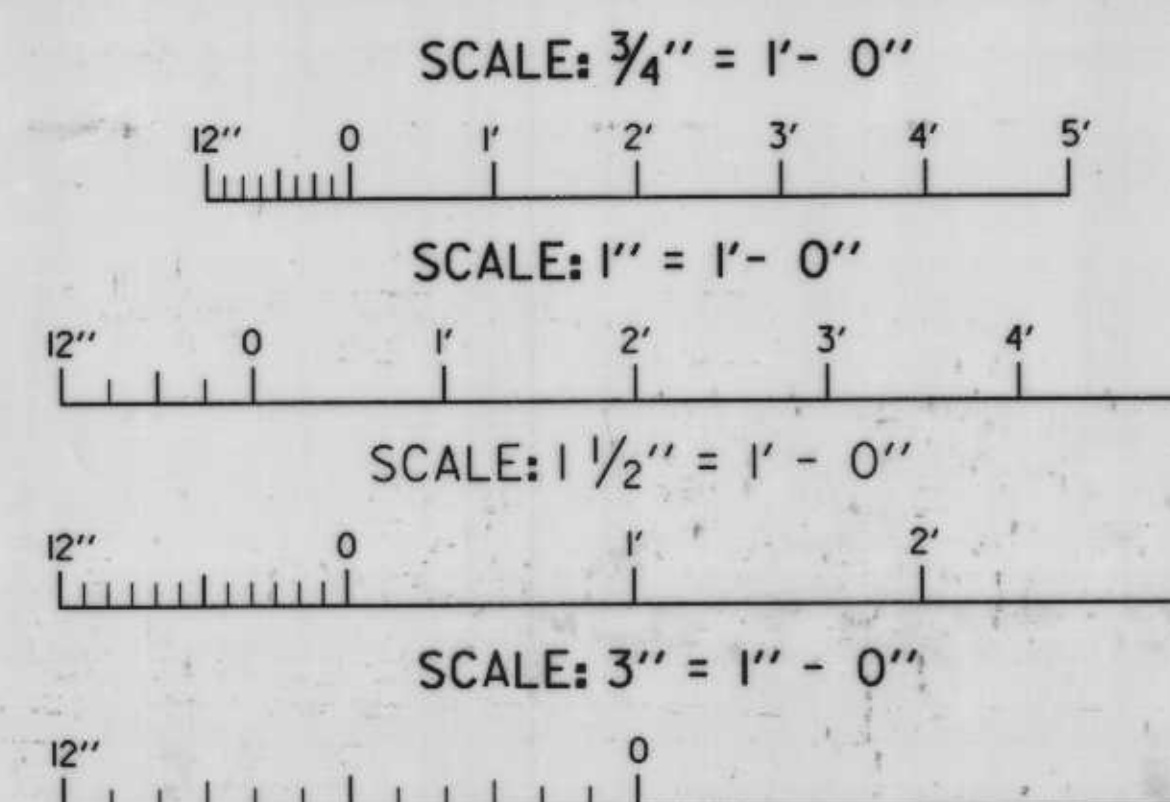


DETAILS OF HOLES IN SHEET PILING

SCALE: 1" = 1' - 0"

SHEET PILE NOTES:

1. A MINIMUM OF 4 INCHES CONCRETE COVER SHALL BE PROVIDED OVER SHEET PILING AT ALL POINTS.
2. HOLES CUT IN STEEL SHEET PILING FOR PASSING REINFORCING BARS SHALL NOT EXCEED 2" Ø. WHERE HOLES FALL WITHIN THE WEB OF THE STEEL SHEET PILE, THE HOLE SHALL BE SLOTTED 4" HORIZONTALLY TO ACCOMMODATE PASSING THE REINFORCING BARS.
3. ANY SUBSTITUTIONS SHALL BE SUBMITTED TO THE CONTRACTING OFFICER REPRESENTATIVE FOR APPROVAL.
4. STEEL SHEET PILE SURFACE PREPARATION SHALL BE IN ACCORDANCE WITH SECTION C3D-10.1 OF THE SPECIFICATIONS.



REINFORCEMENT EMBEDMENT AND LAP SPICE TABLE				
BAR SIZE NO.	MINIMUM EMBEDMENT LENGTH, INCHES		MINIMUM LAP SPICE LENGTH, INCHES	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
3	12	12	12	12
4	12	12	15	12
5	14	12	18	13
6	18	13	23	17
7	25	18	32	23
8	32	23	42	30
9	41	29	53	38
10	52	37	68	48
11	64	46	83	59

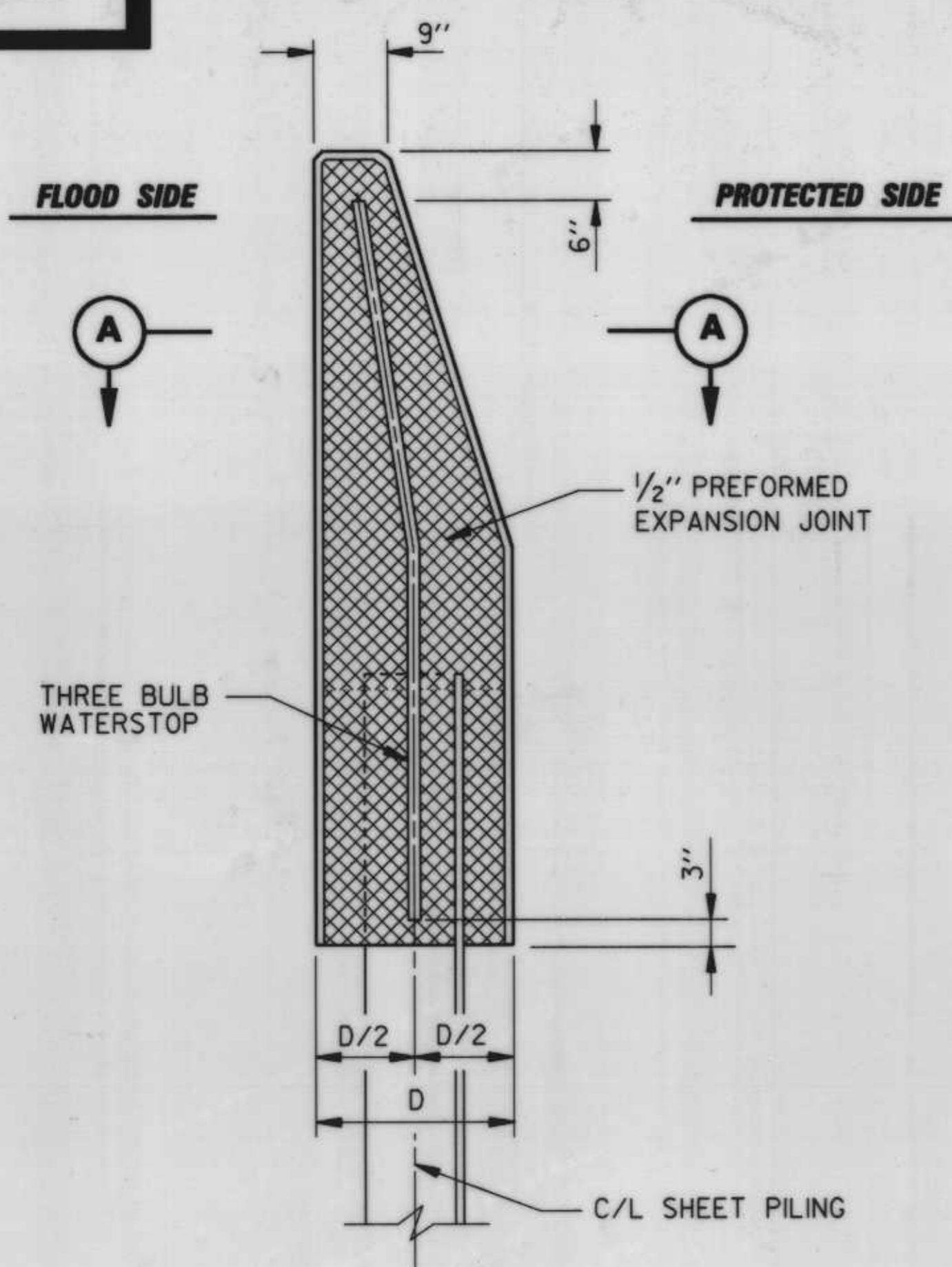
REFERENCE DRAWINGS

1. PLAN, DWG. 2.
2. PROFILE, DWGS. 3.
3. TYPICAL JOINT DETAILS, DWG. 7.
4. I-WALL REINFORCEMENT, DWG. 9.

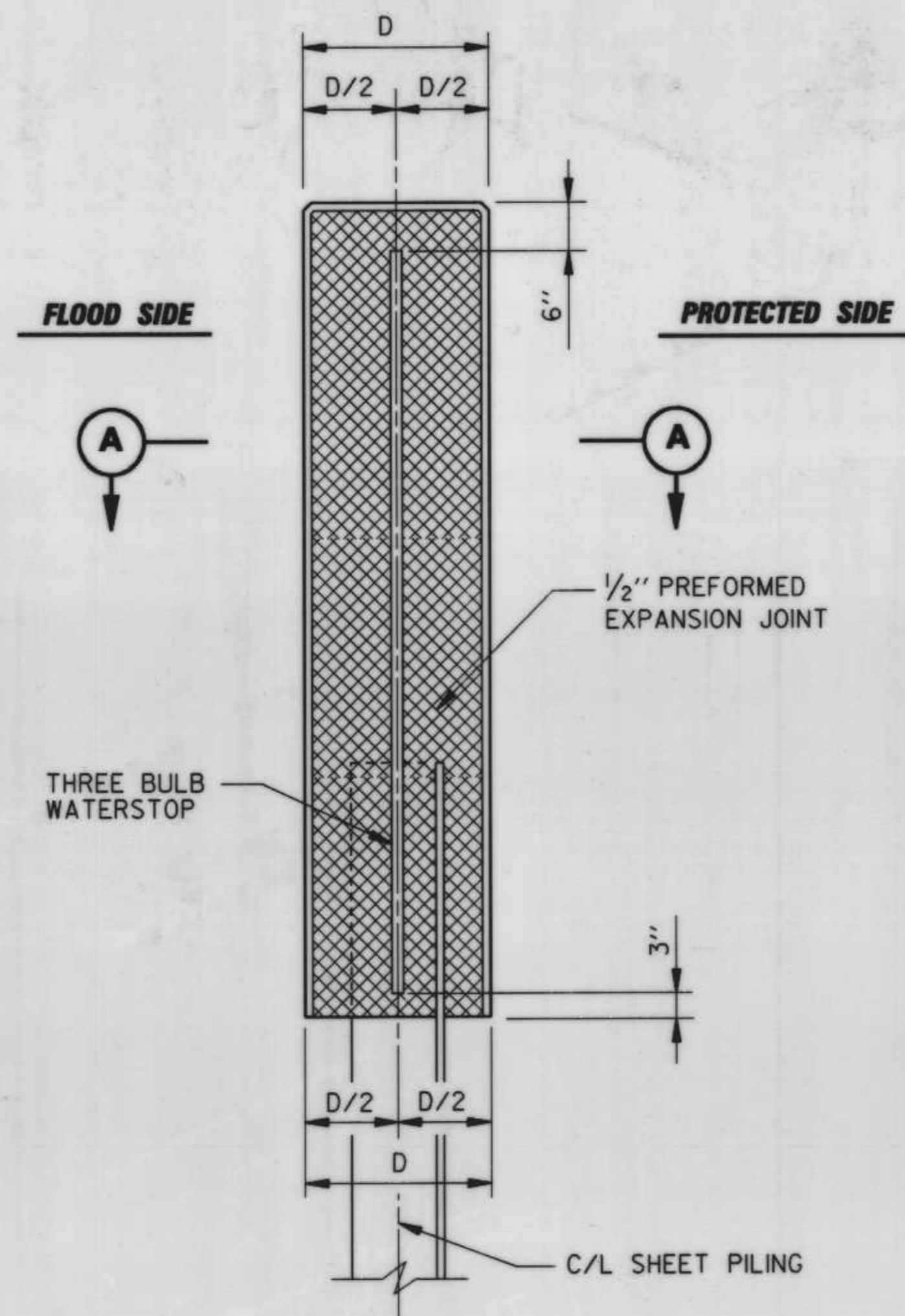
REVISION	DATE	DESCRIPTION	BY
<p align="center">U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA</p> <p align="center">LAKE PONTCHARTRAIN, LA. AND VICINITY CHALMETTE AREA PLAN I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE FLOODWALL CAPPING ORLEANS PARISH, LA.</p> <p align="center">SHEET PILE DETAILS AND LADDER DETAILS</p>			
DESIGNED:	M. DESAI	DATE:	JUNE 1991
DRAWN:	H. HOWAT	PLOT SCALE:	12
CHECKED:	C. LABORDE	DESIGN FILE:	30753SB04.DGN
FILE NO.:	H-4-30753		
SUBMITTED:		SPEC. NO.:	DACW29-91-B-0014
		DWG.:	6 OF 10



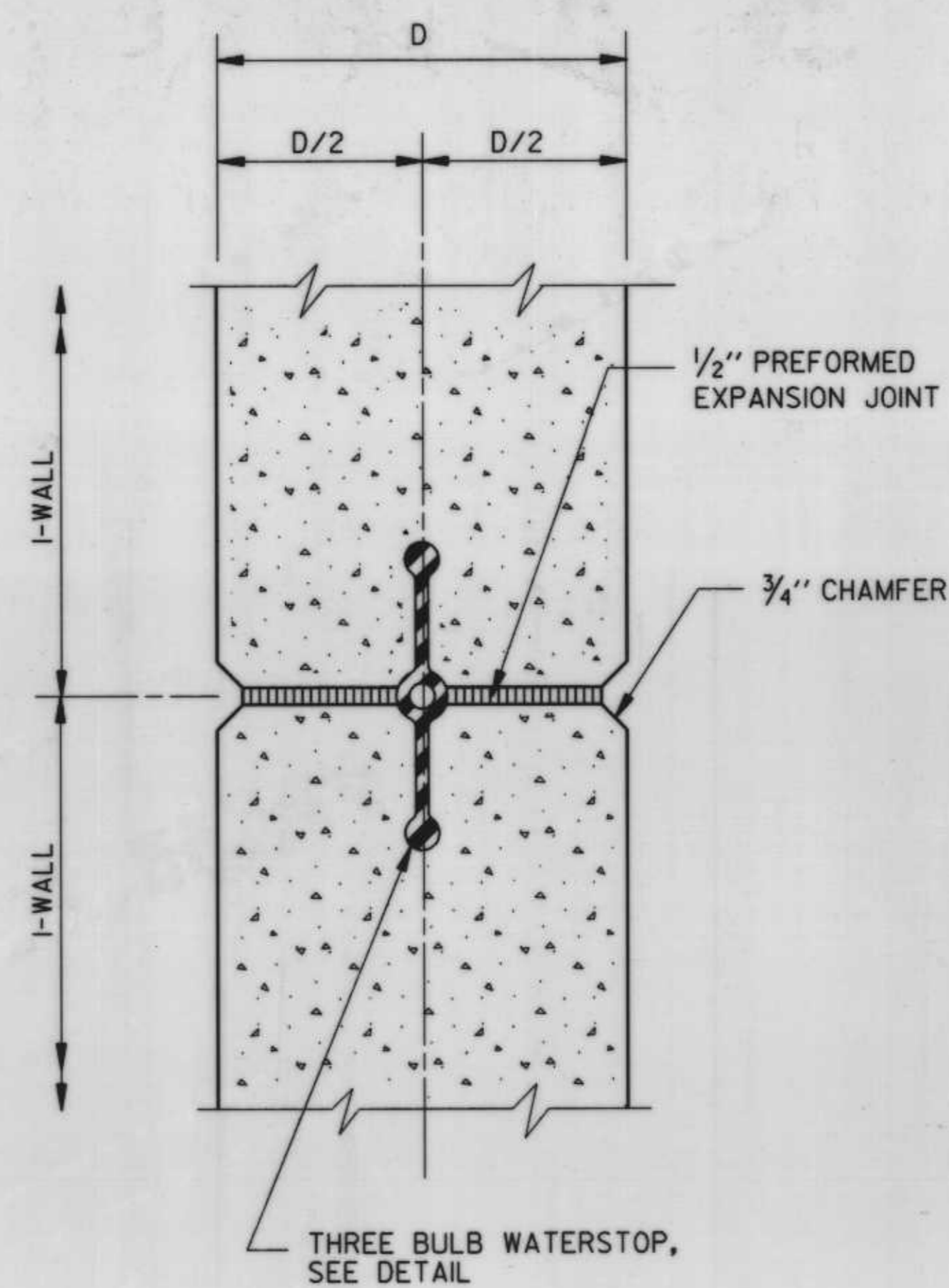
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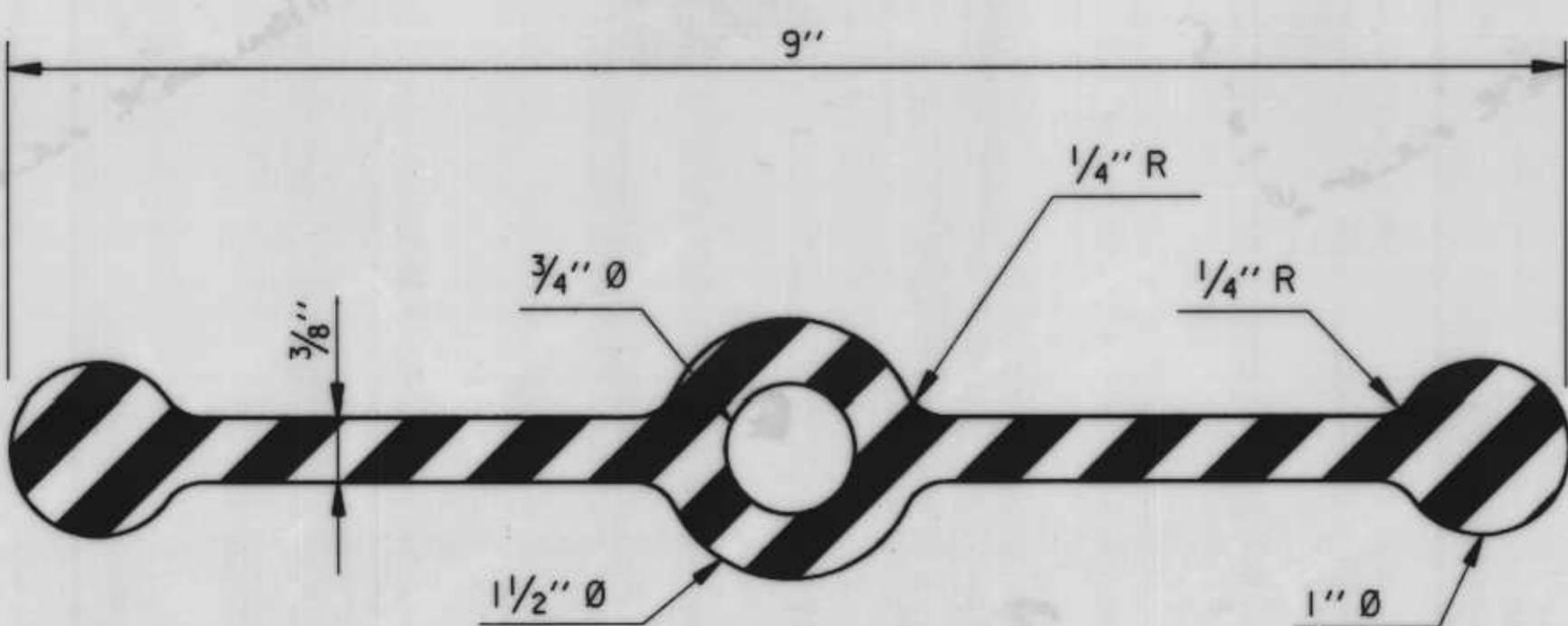
TYPE "A"
TYPICAL I-WALL JOINT
SCALE: 3/4" = 1'-0"



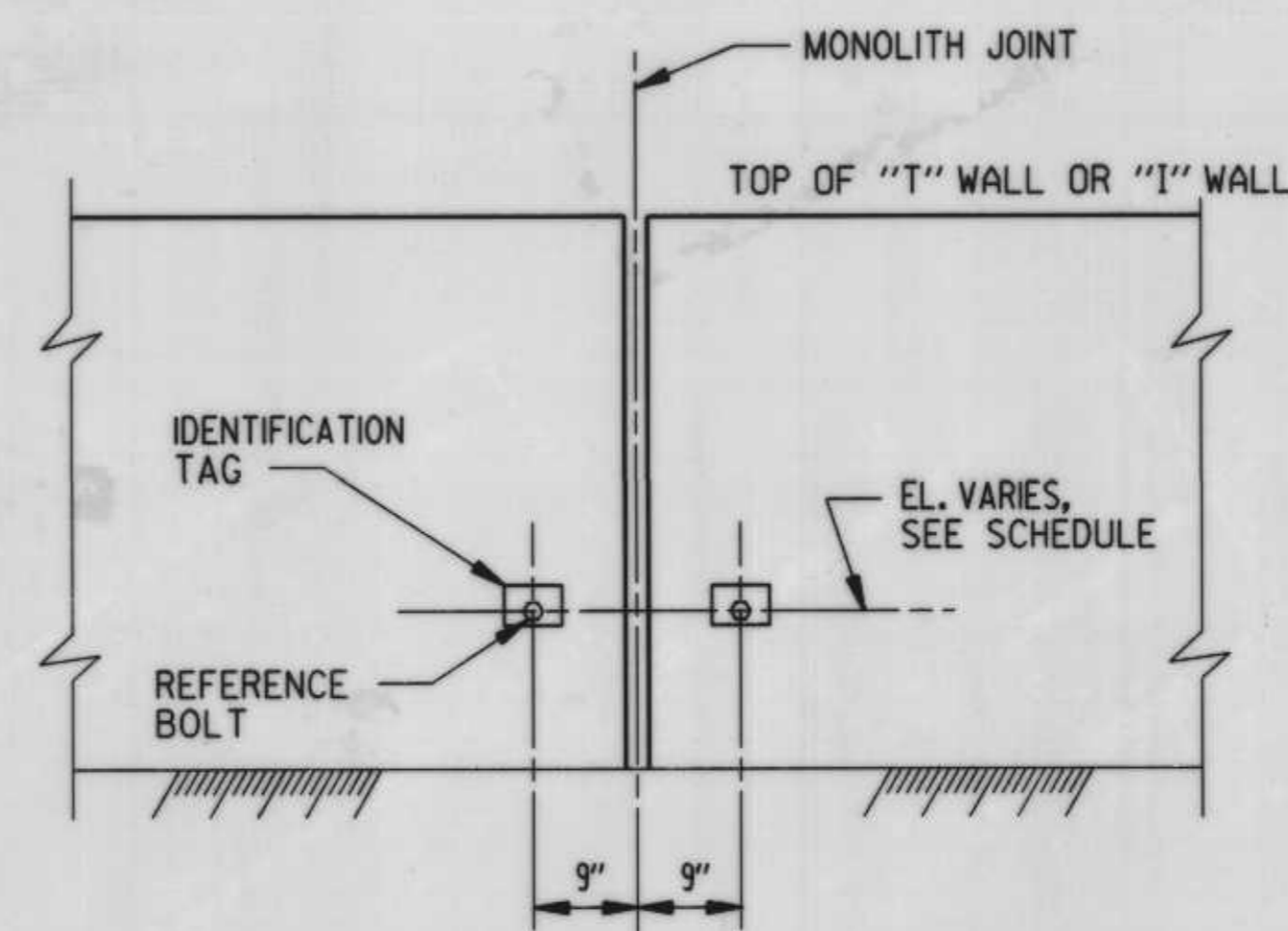
TYPE "B"
TYPICAL I-WALL JOINT
SCALE: 3/4" = 1'-0"



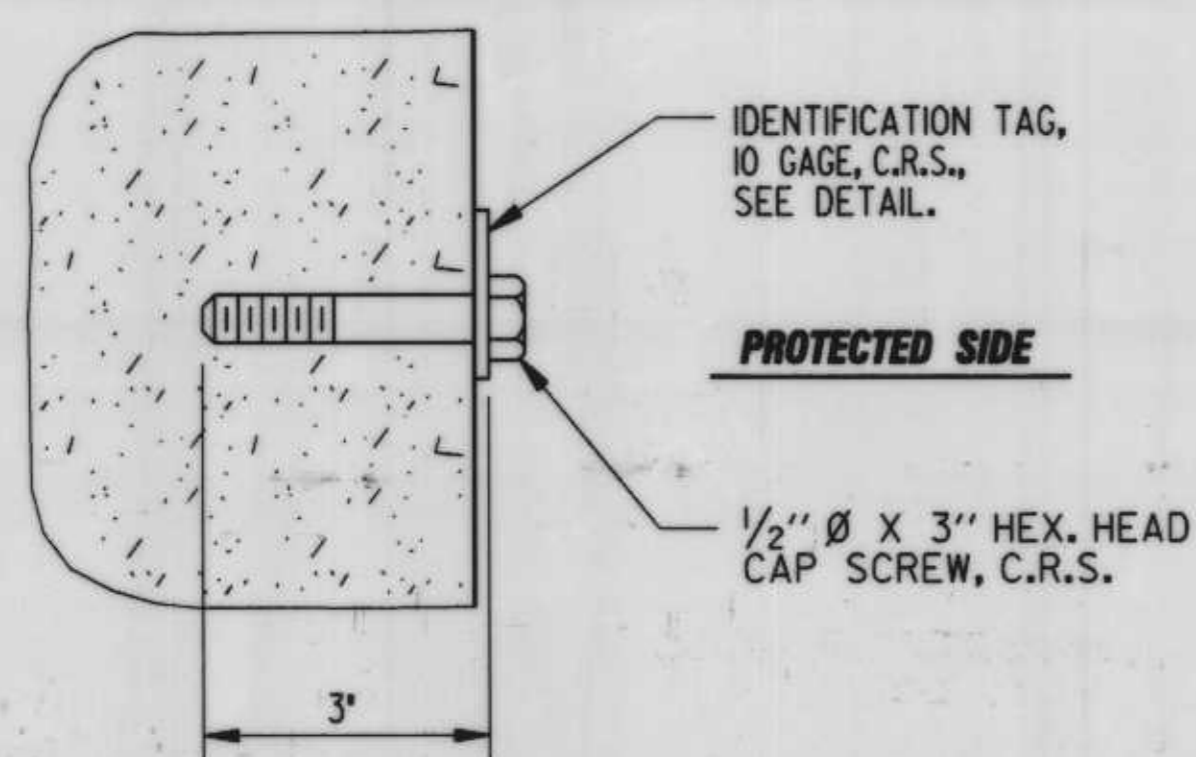
SECTION A
SCALE: 3" = 1'-0"



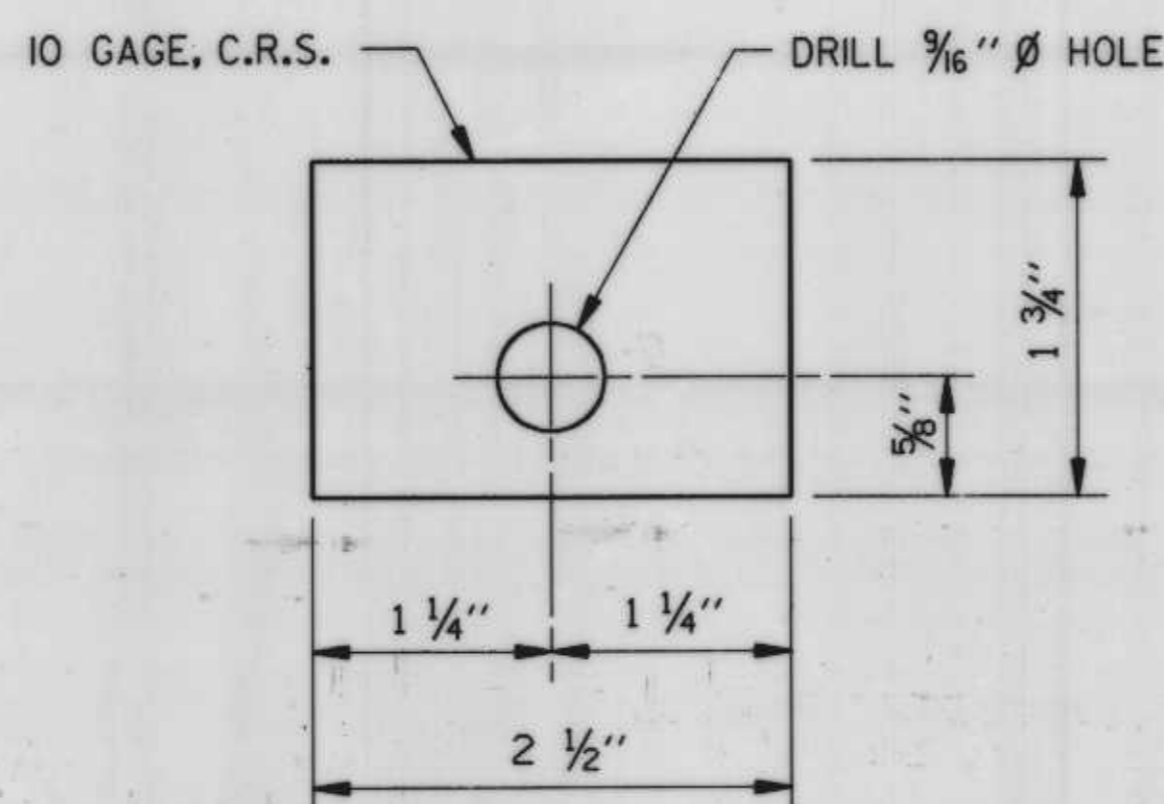
THREE BULB WATERSTOP
SCALE: 12" = 1'-0"



**TYPICAL ELEVATION OF
SETTLEMENT REFERENCE MARKER**
NOT TO SCALE



REFERENCE BOLT
SCALE: 6" = 1' - 0"



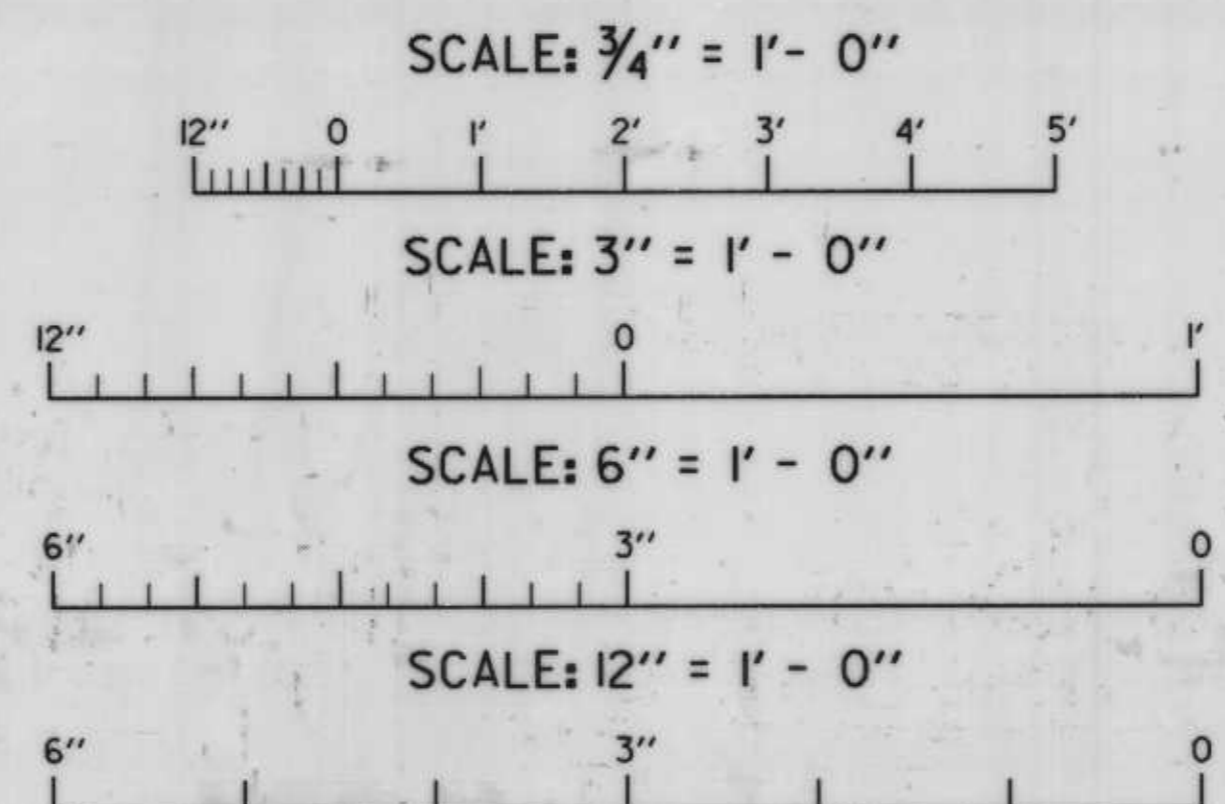
IDENTIFICATION TAG
SCALE: 12" = 1' - 0"

SETTLEMENT REFERENCE MARKER SCHEDULE		
S.R.M. NO.	W/L STATION *	ELEVATION **
1	3+95.75	10.0
2	5+74.25	10.0
3	5+75.75	10.0
4	7+84.25	10.0
5	7+85.75	10.0
6	9+64.25	10.0
7	9+65.75	10.0
8	20+59.25	11.0
9	22+44.75	11.0

* W/L STATIONS ARE APPROXIMATE. LOCATE REFERENCE BOLTS AT NEAREST W/L STATION TO THOSE SHOWN.
** NOTE: THE CONTRACTOR SHALL TAKE FINAL ELEVATIONS OF ALL SETTLEMENT REFERENCE MARKERS AND SHALL SUBMIT THIS DATA TO THE CONTRACTING OFFICER REPRESENTATIVE (COR). THE COR WILL FURNISH THIS DATA TO ENGINEERING DIVISION, ATTENTION OF: CELMN-ED-DD.

REFERENCE DRAWINGS

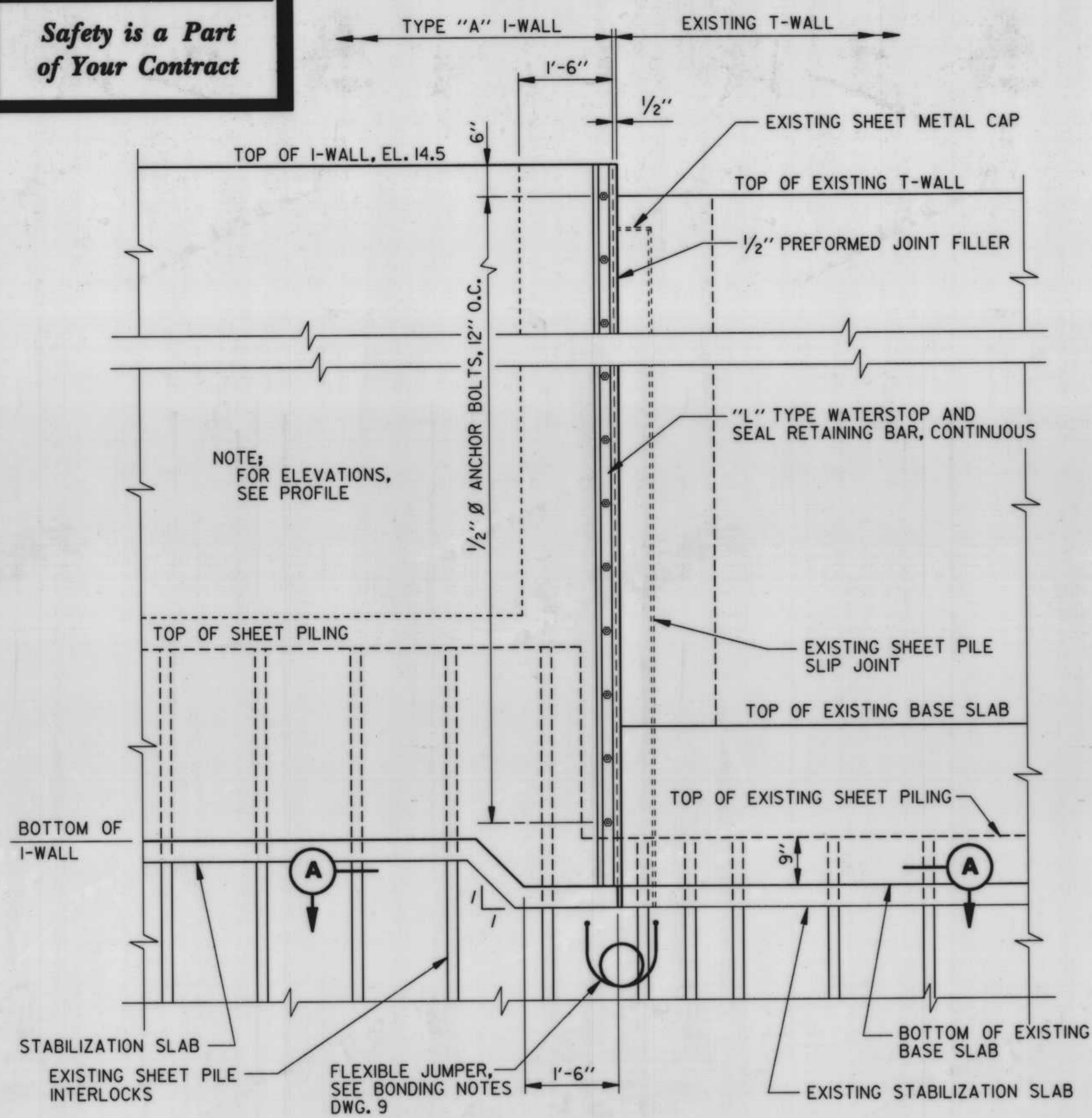
1. PLAN, DWG. 2.
2. PROFILE, DWGS. 3.
3. GENERAL NOTES, DWG. 6.
4. TYPICAL WALL JOINTS, DWGS. 8 AND 9.
5. I-WALL REINFORCEMENT, DWG. 9.



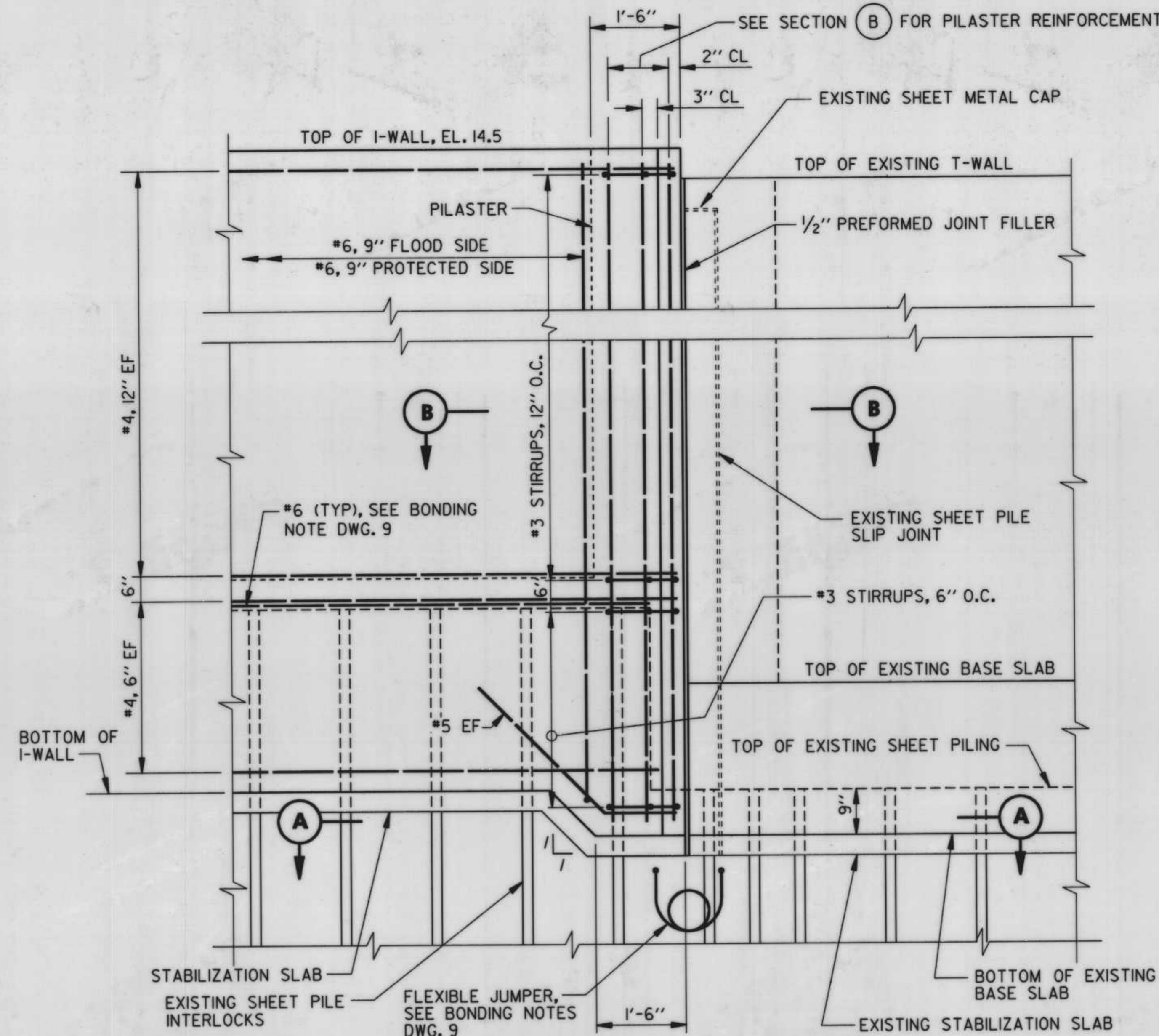
REVISION	DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>LAKE PONTCHARTRAIN, LA AND VICINITY</small> <small>CHALMETTE AREA PLAN</small> I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE FLOODWALL CAPPING <small>ORLEANS PARISH, LA.</small>			
TYPICAL JOINT DETAILS AND SETTLEMENT REFERENCE DETAILS			
DESIGNED: M. DESAI	DATE: JUNE 1991	PLOT SCALE: 1	FILE NO.
DRAWN: H. HOWAT	DESIGN FILE: 307535B05.DGN		H-4-30753
CHECKED: C. LABORDE	SPEC. NO. DACW20-91-B-0014		DWG. 7 OF 10



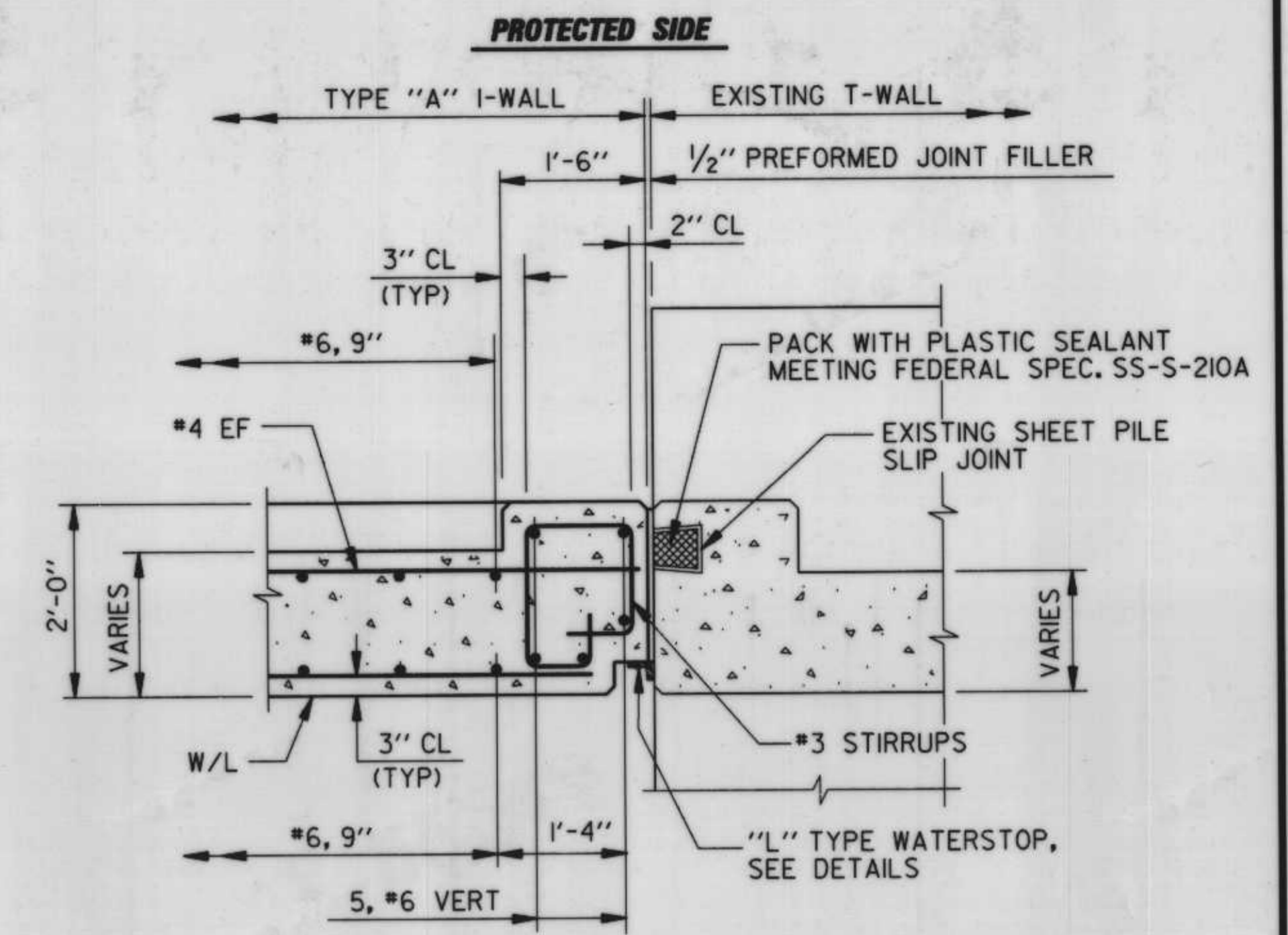
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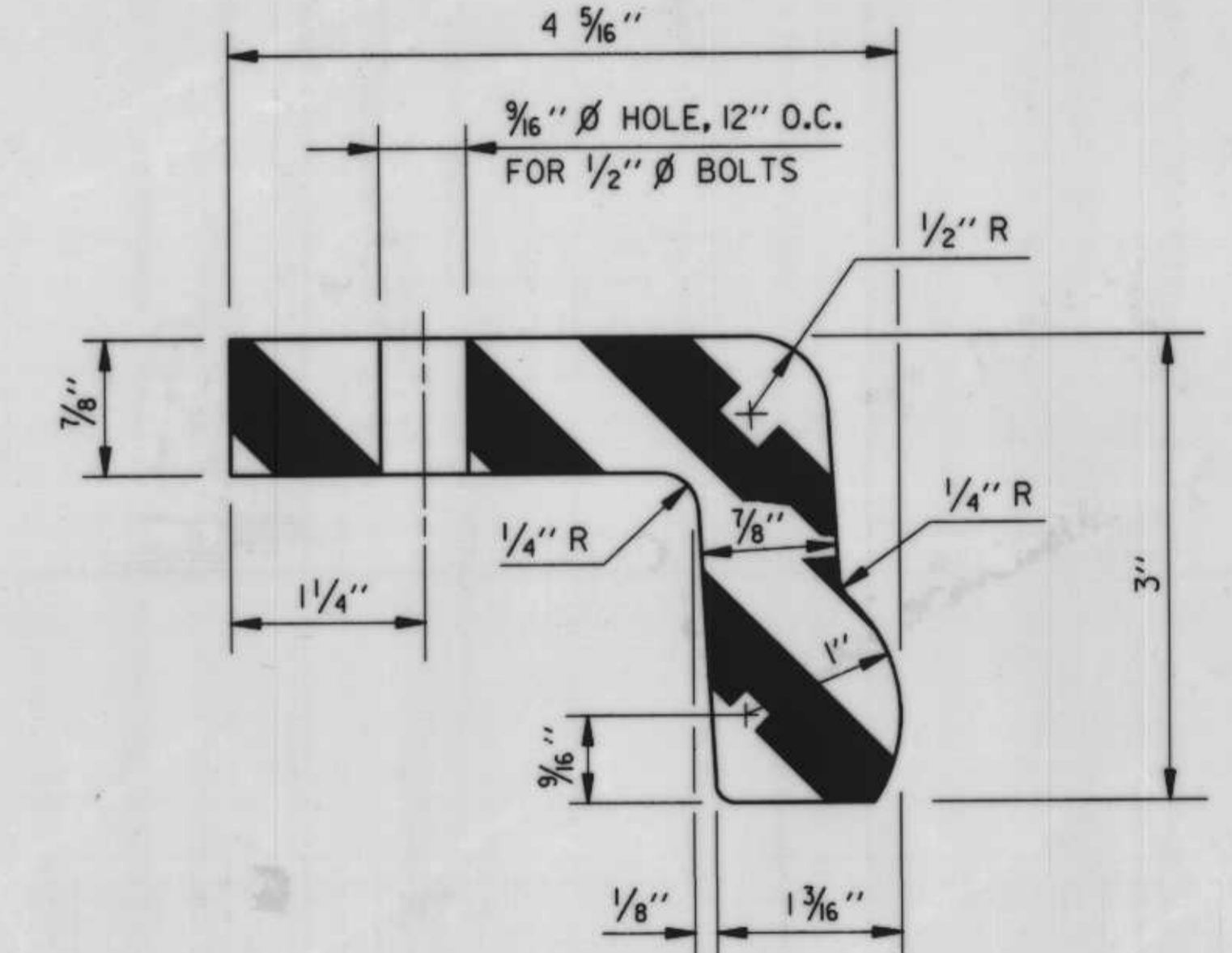
FLOOD SIDE ELEVATION - STA. 3+95.00 WL
TYPE "A" I-WALL TO EXISTING T-WALL
SCALE: 3/4" = 1'- 0"



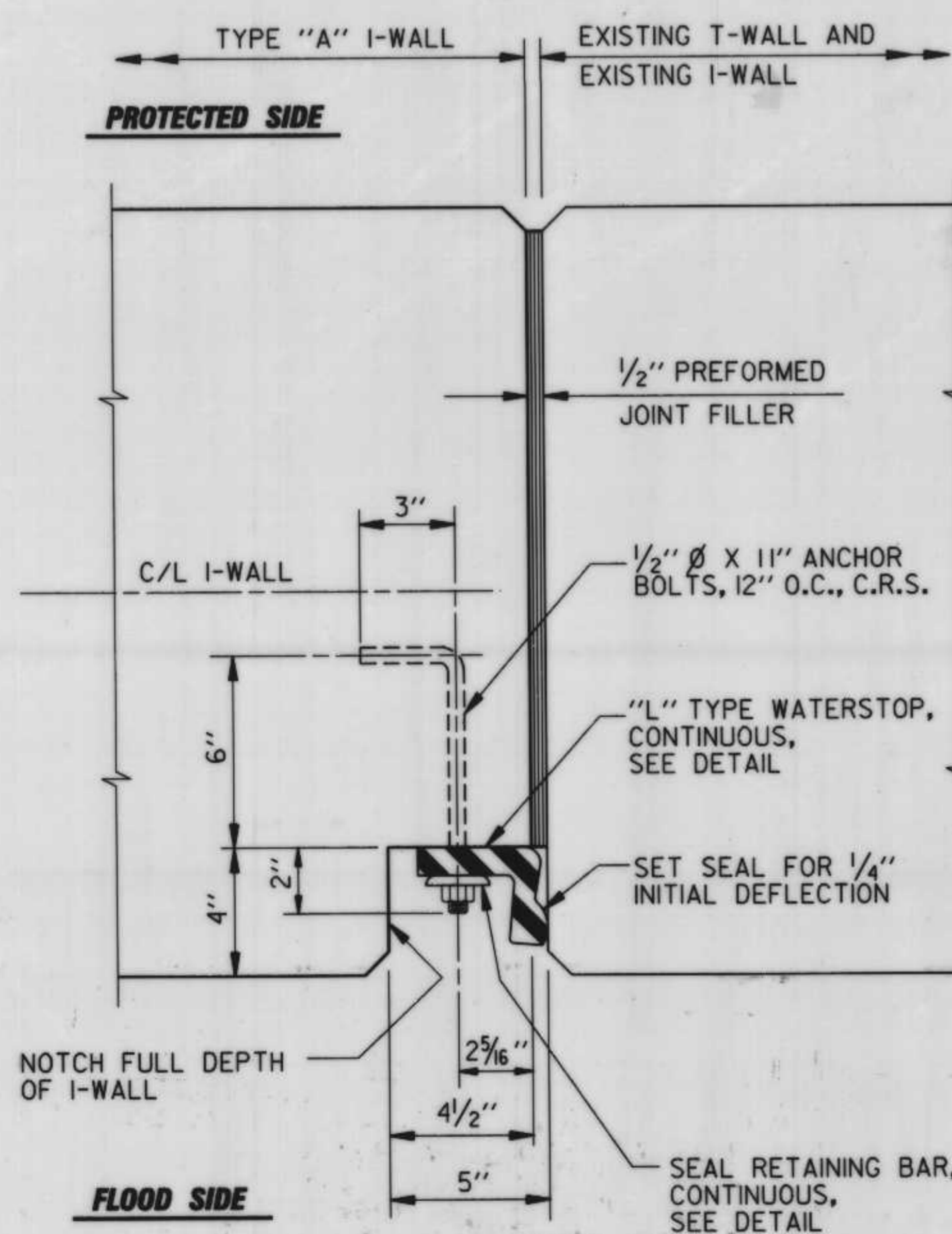
FLOOD SIDE ELEVATION - STA. 3+95.00 WL
REINFORCEMENT
TYPE "A" I-WALL TO EXISTING T-WALL
SCALE: 3/4" = 1'- 0"



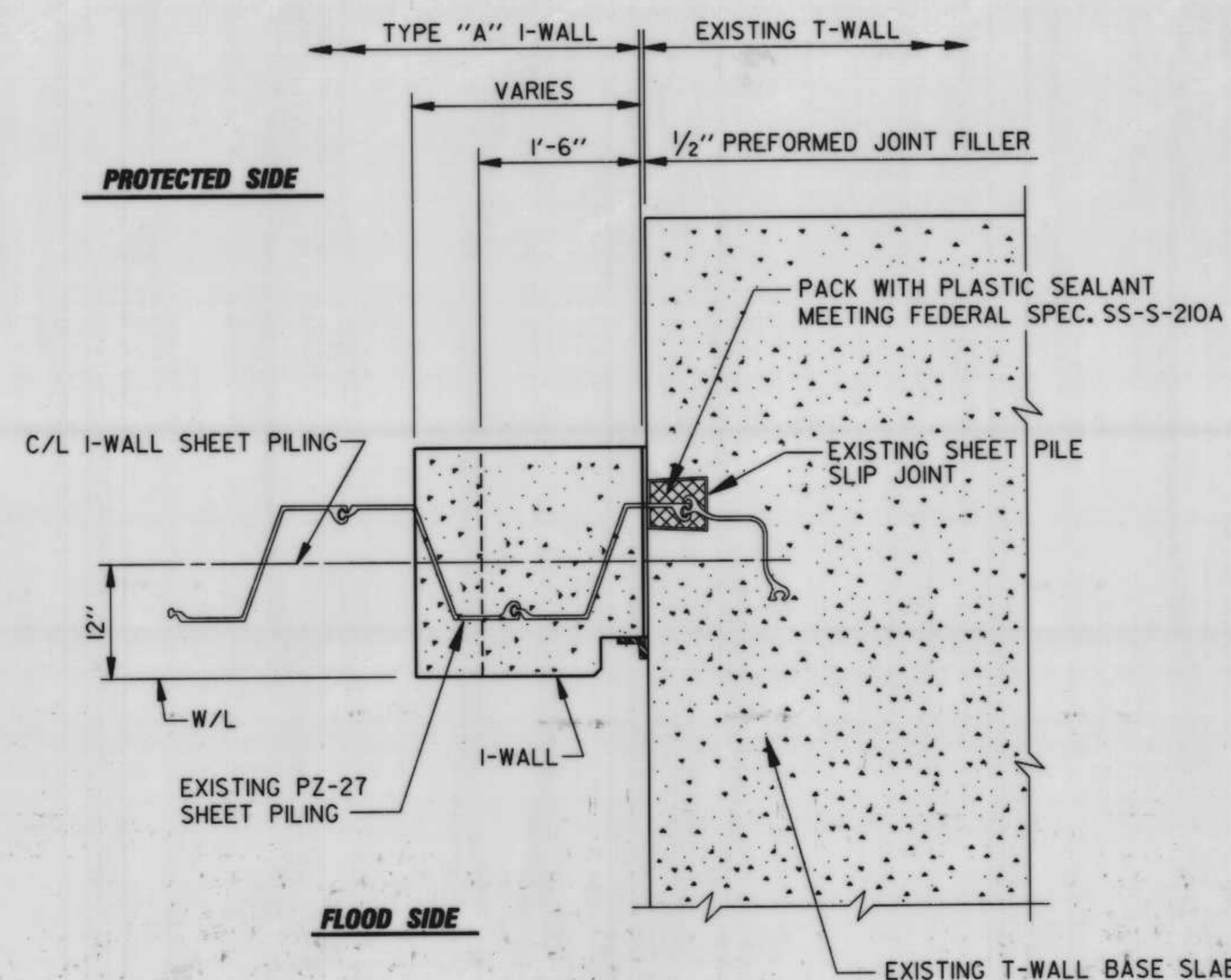
SECTION B
SCALE: 3/4" = 1'- 0"



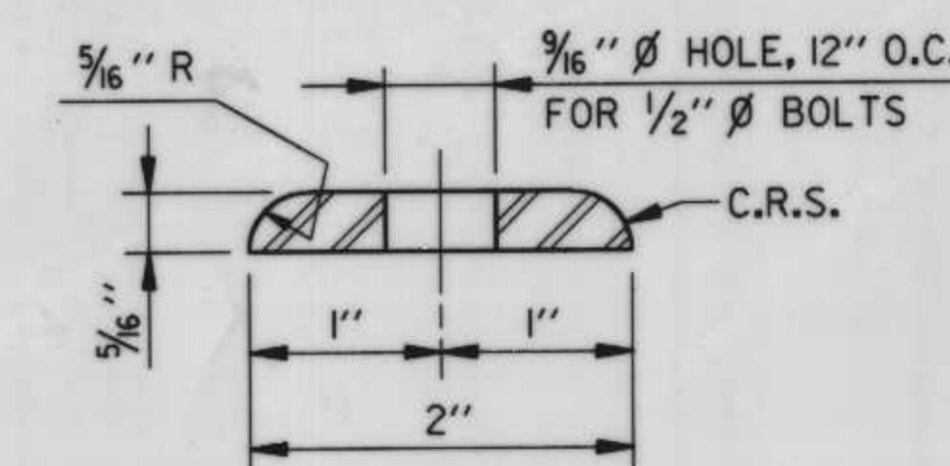
"L" TYPE WATERSTOP
SCALE: 12" = 1'- 0"



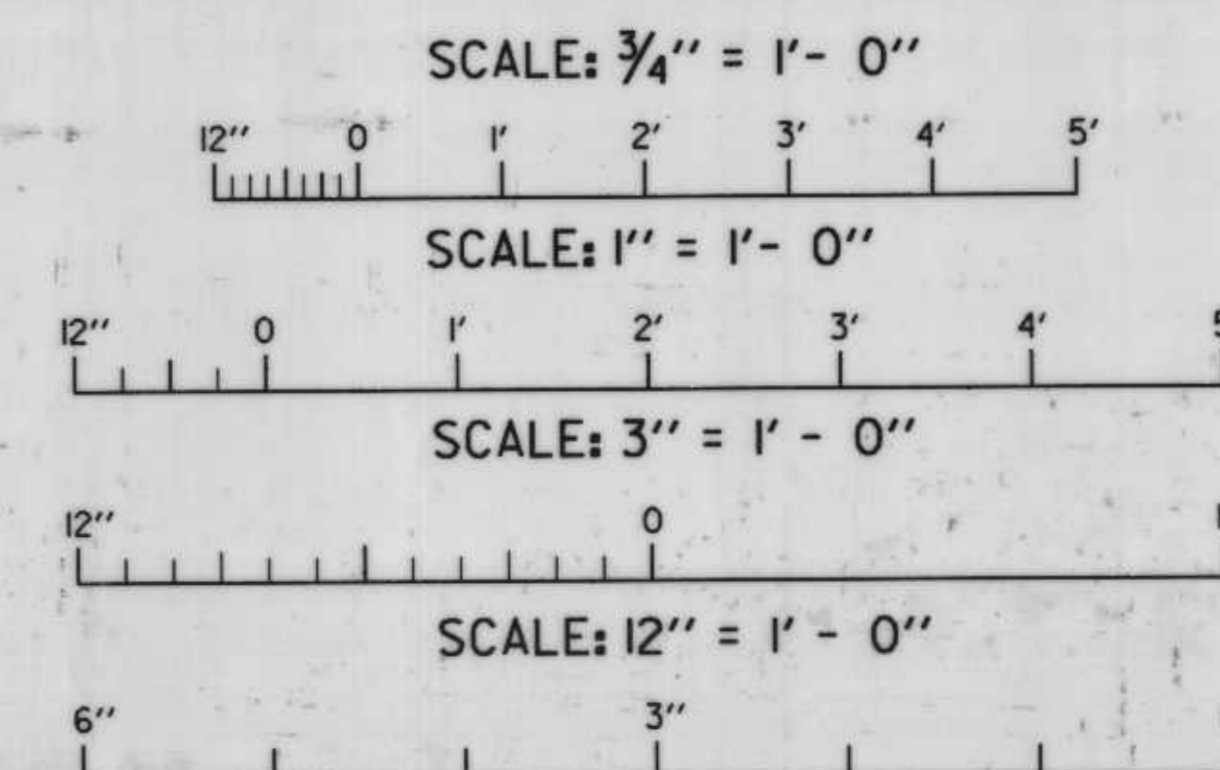
I-WALL TO EXISTING T-WALL
AND I-WALL TO EXISTING I-WALL
SCALE: 3" = 1'- 0"



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



SEAL RETAINING BAR
SCALE: 12" = 1'- 0"



REFERENCE DRAWINGS

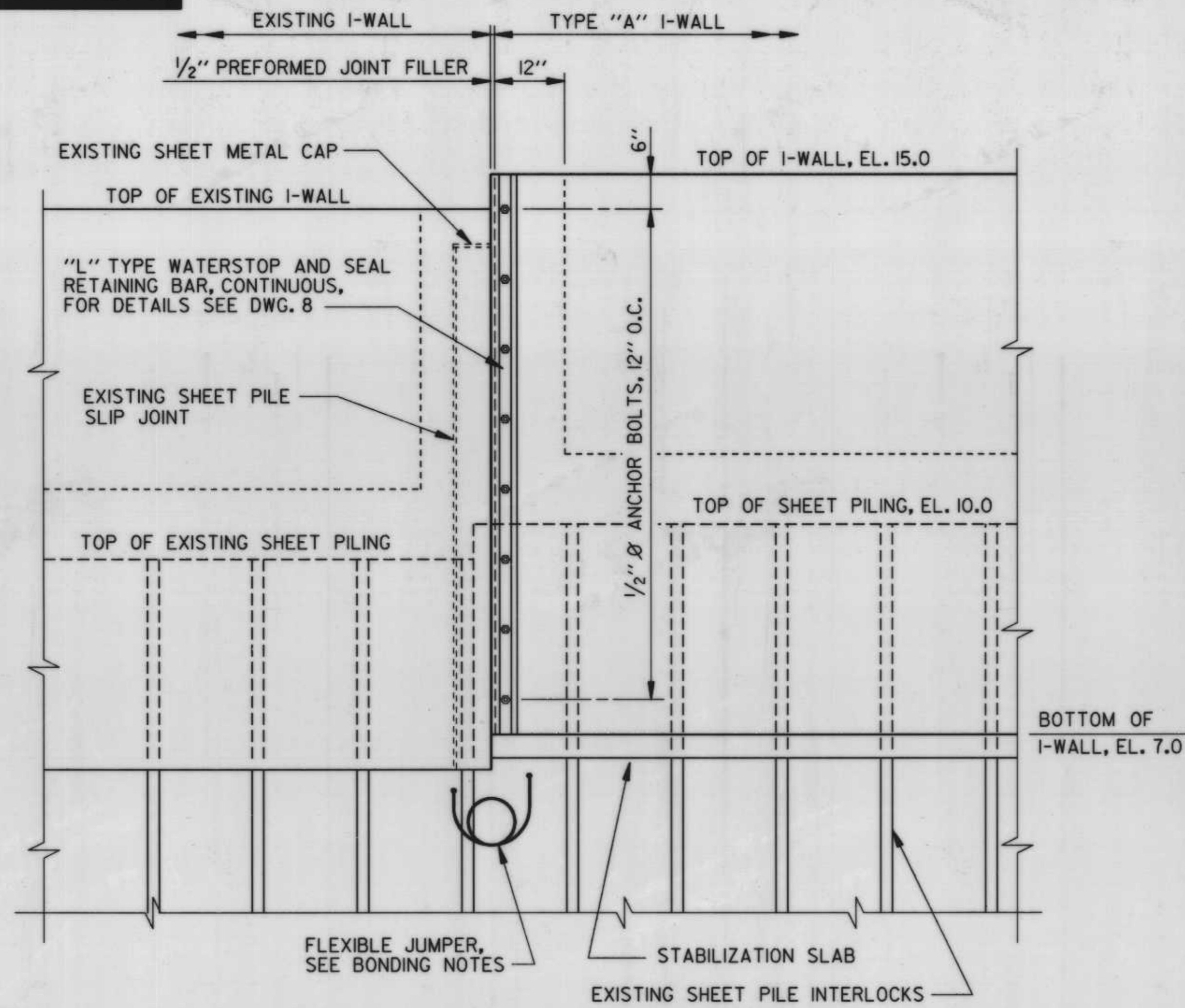
1. PLAN, DWG. 2.
2. PROFILE, DWGS. 3.
3. GENERAL NOTES, DWG. 6.
4. TYPICAL JOINT DETAILS, DWG. 7.
5. I-WALL REINFORCEMENT, DWG. 9.



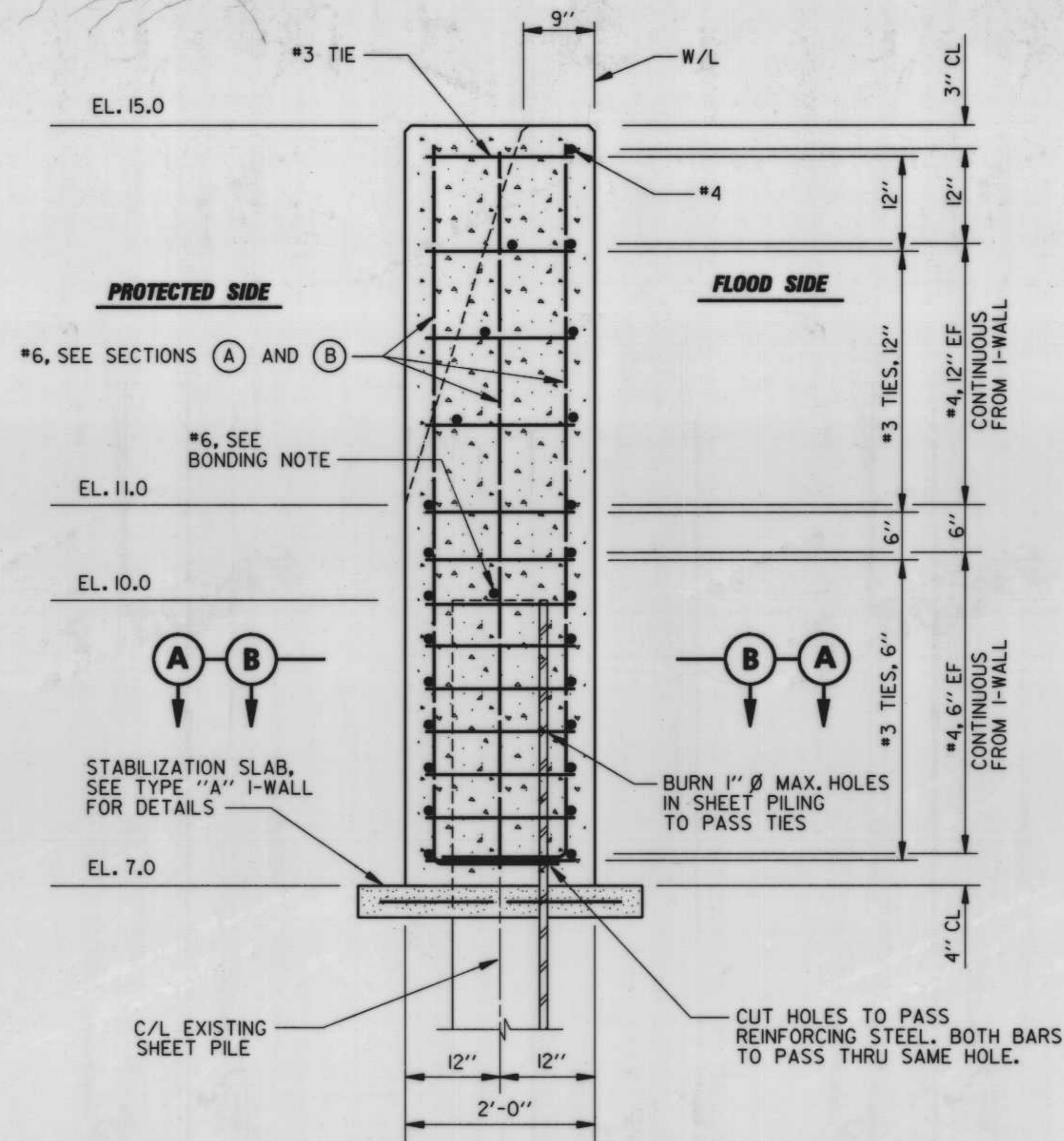
REVISION	DATE	DESCRIPTION	BY
<p align="center">U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA</p> <p align="center">LAKE PONTCHARTRAIN, LA AND VICINITY CHALMETTE AREA PLAN I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE FLOODWALL CAPPING ORLEANS PARISH, LA.</p> <p align="center">TYPICAL WALL JOINTS</p>			
DESIGNED:	M. DESAI	DATE:	JUNE 1991
DRAWN:	H. HOWAT	PLOT SCALE:	16
CHECKED:	C. LABORDE	DESIGN FILE:	30753SB08.DGN
SUBMITTED:	J.R.	SPEC. NO.:	DACW29-91-B-0014
		FILE NO.:	H-4-30753
		DWG. 8	OF 10



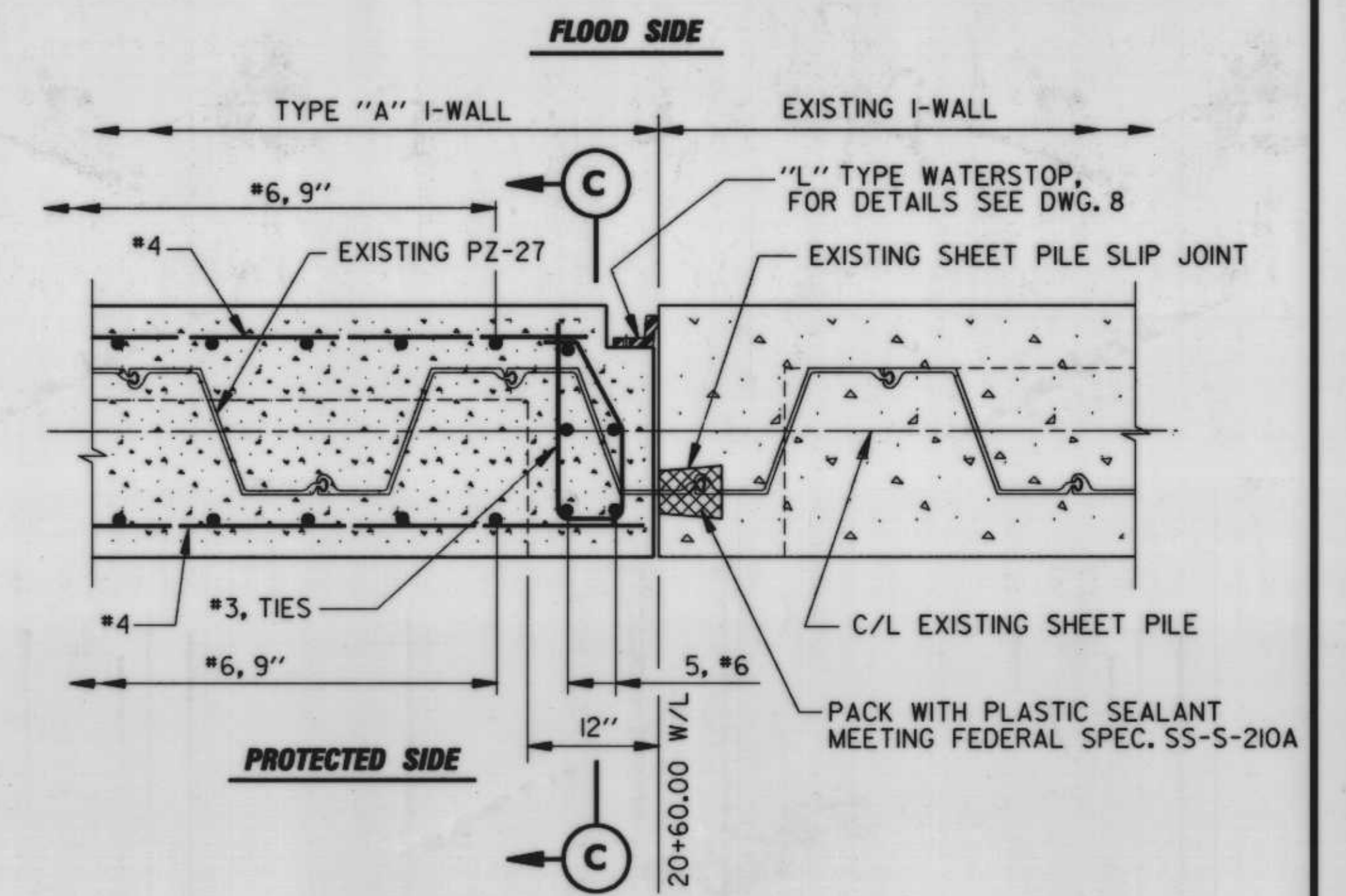
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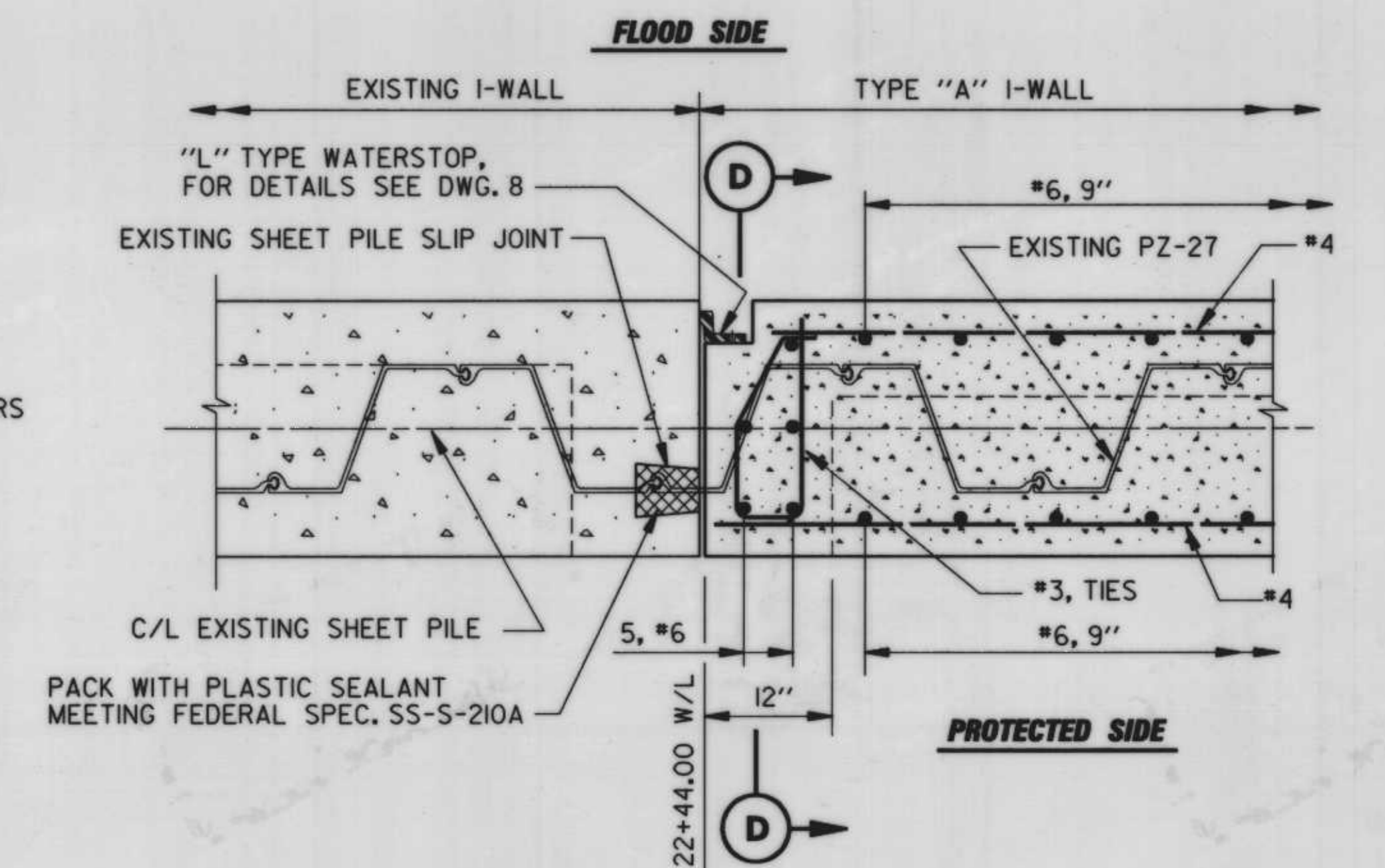
**FLOOD SIDE ELEVATION
TYPE "A" I-WALL TO EXISTING I-WALL
SCALE: 3/4" = 1'- 0"**



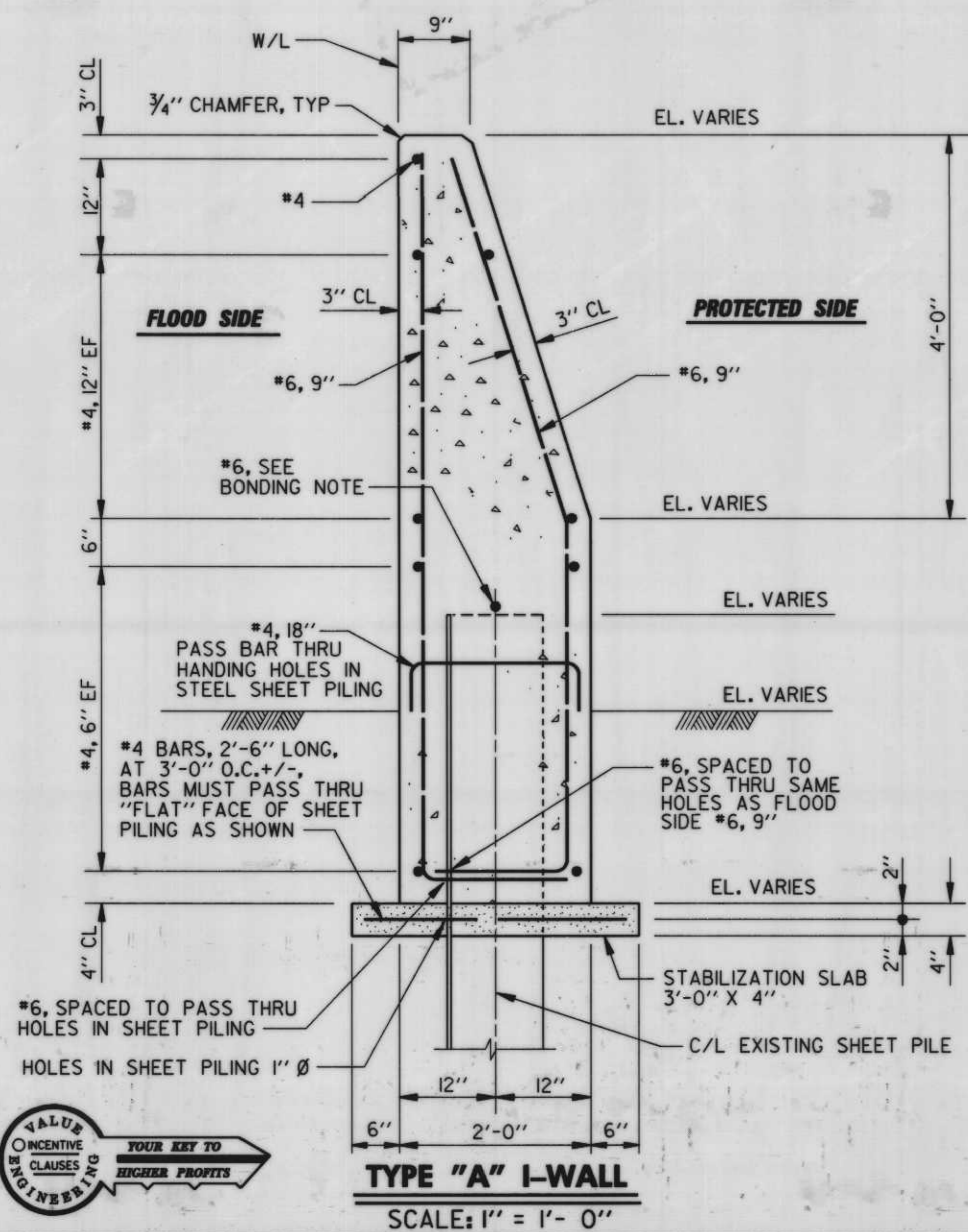
**SECTION C SHOWN
SECTION D OPPOSITE HAND
SCALE: 1" = 1'- 0"**



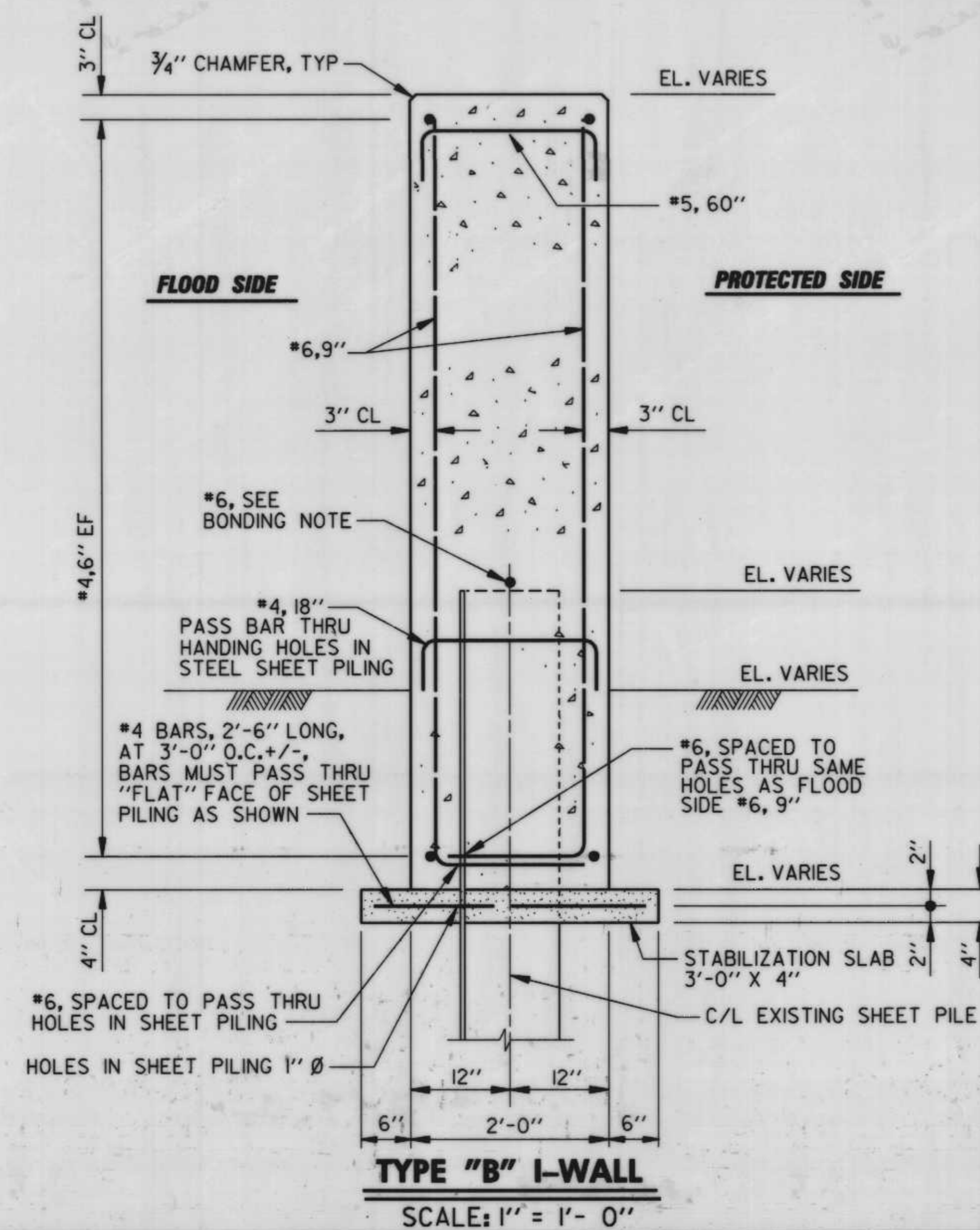
SECTION A - STA. 20+60.00 WL



**SECTION B - STA. 22+44.00 WL
TYPE "A" I-WALL TO EXISTING I-WALL
SCALE: 1" = 1'- 0"**



**TYPE "A" I-WALL
SCALE: 1" = 1'- 0"**



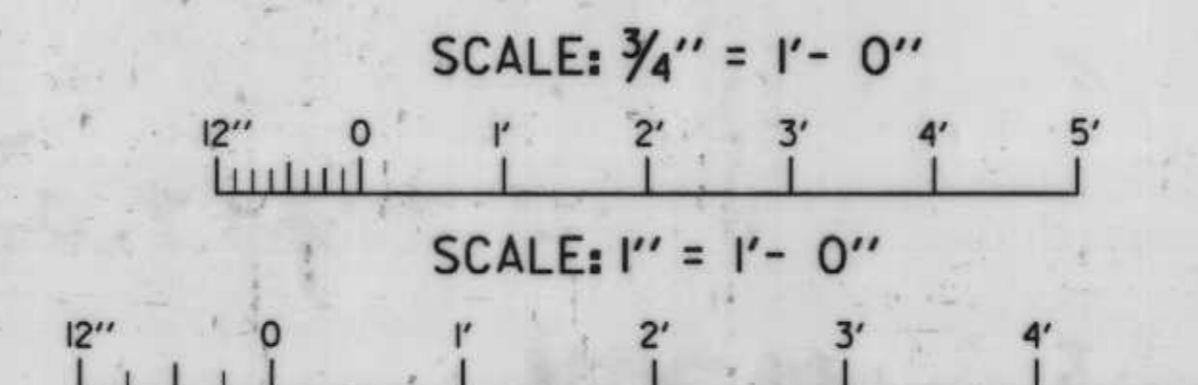
**TYPE "B" I-WALL
SCALE: 1" = 1'- 0"**

BONDING NOTES :

#6 REINFORCING BAR TO BE WELDED TO THE TOP OF EACH STEEL SHEET PILE. #6 REINFORCING BAR SHALL NOT EXTEND ACROSS THE MONOLITH JOINT. INSTALL FLEXIBLE JUMPER AT ALL I-WALL JOINTS AND AT TRANSITION FROM T-WALL TO I-WALL JOINT. JUMPERS SHALL BE INSULATED NO. 1/0 AWG COPPER, TYPE USE, INSULATED WITH A MINIMUM OF 95 MILS OF CROSS LINKED POLYETHYLENE IN A 8" Ø LOOP. JUMPERS SHALL BE WELDED TO ADJACENT STEEL PILES 7" BELOW BOTTOM OF CONCRETE CAP FOR I-WALL JOINTS AND AT TRANSITION FROM T-WALL TO I-WALL JOINT. WELDED CONNECTIONS SHALL BE COATED WITH EPOXY TO OBTAIN MOISTURE PROOF JOINT. SEE SPECIFICATIONS.
SPlicing OF #6 REINFORCING BAR WILL NOT BE ALLOWED.

REFERENCE DRAWINGS

1. PLAN, DWG. 2.
2. PROFILE, DWGS. 3.
3. GENERAL NOTES, DWG. 6.
4. TYPICAL JOINT DETAILS, DWG. 7.

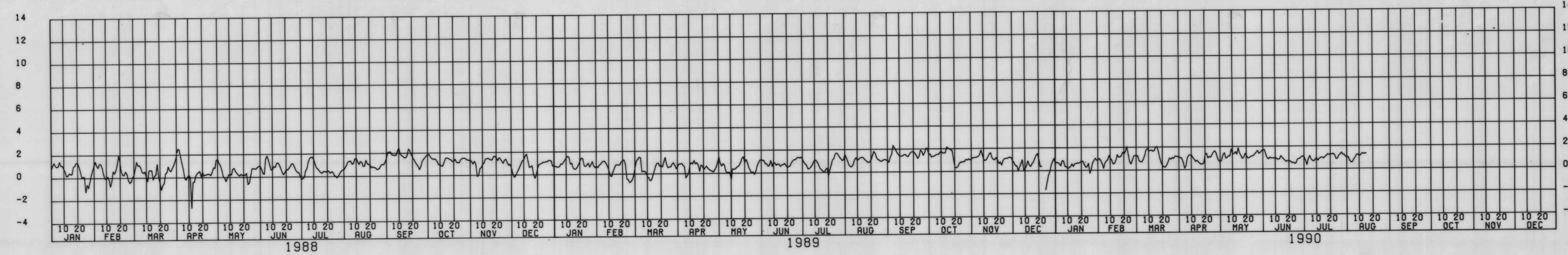
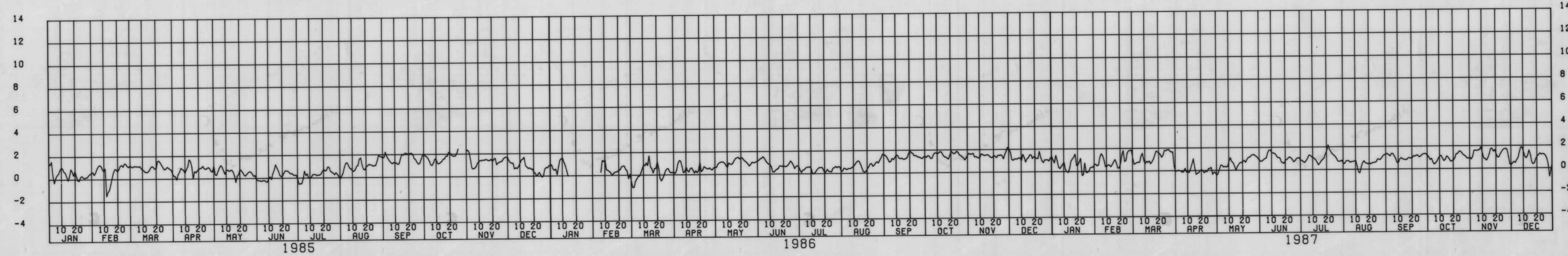
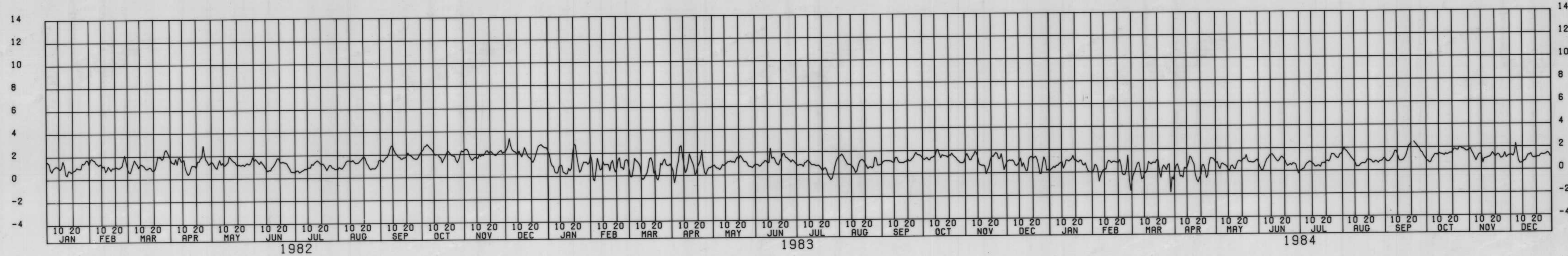
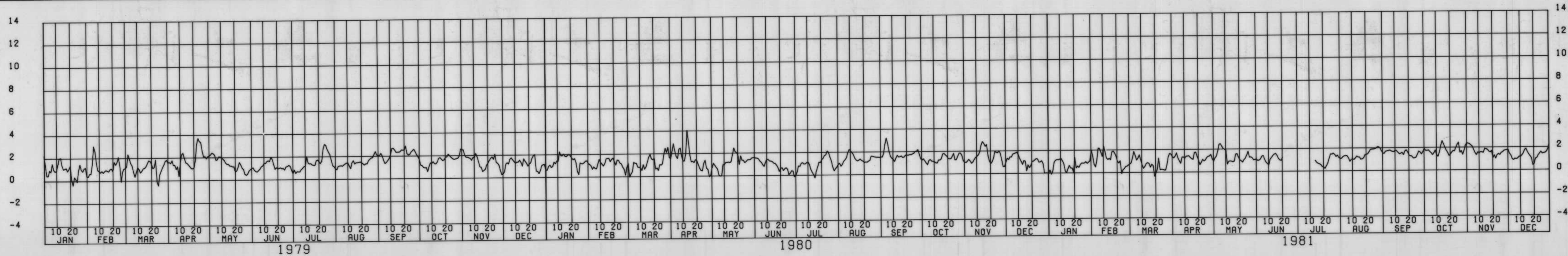


REVISION	DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>LAKE PONTCHARTRAIN, LA. AND VICINITY CHALMETTE AREA PLAN</small>			
I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE FLOODWALL CAPPING ORLEANS PARISH, LA.			
I-WALL REINFORCEMENT AND TYPICAL WALL JOINTS			
DESIGNED: M. DESAI	DATE: JUNE 1991	PLOT SCALE: 12	FILE NO.
DRAWN: H. HOWAT	DESIGN FILE: 307535809.DGN		H-4-30753
CHECKED: C. LABORDE	SPEC. NO. DACW29-91-B-0014		DWG. 9 OF 10
SUBMITTED: JR			



GAGE READINGS IN FT NGVD

GAGE READINGS IN FT NGVD



BAYOU BIENVENUE AT PARIS ROAD
GAGE ZERO, N.G.V.D.

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

LAKE PONTCHARTRAIN, LA. AND VICINITY
CHALMETTE AREA PLAN
I.H.N.C. EAST LEVEE - NORTH OF FLORIDA AVENUE
FLOODWALL CAPPING
ORLEANS PARISH, LA.

STAGE HYDROGRAPHS

DESIGNED: M. DESAI	DATE: JUNE 1991	PLOT SCALE: 1	FILE NO.
DRAWN: H. HOWAT	CHECKED: C. LABORDE	DESIGN FILE: 307535BHY.DGN	H-4-30753
SUBMITTED: <i>J.P.</i>			SPEC. NO. DACW29-91-B-0014
			DWG. 10 OF 10

REVISION	DATE	DESCRIPTION	BY

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