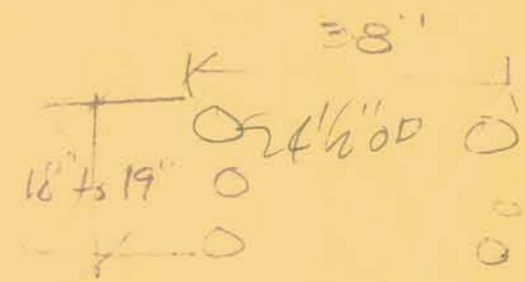


Safety is a Part
of Your Contract

PLANS FOR
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY
HURRICANE PROTECTION
HIGH LEVEL PLAN
ORLEANS PARISH, LA.



LONDON AVE. OUTFALL CANAL,

PARALLEL PROTECTION

MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK

MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK

AS-BUILT

GREEN PEN
CORRECTION ARE
TAKE FROM
JOHN MORTON'S
AS-BUILT SET.
WE NEVER REC'D.
OUR AS-BUILT SET.
H. H. H...
4/14/98



US Army Corps
of Engineers
New Orleans District

1994

x Chris Wagner x 1222
Zane Bryant
JOHN MORTON x 1234
OZINE HASKIN

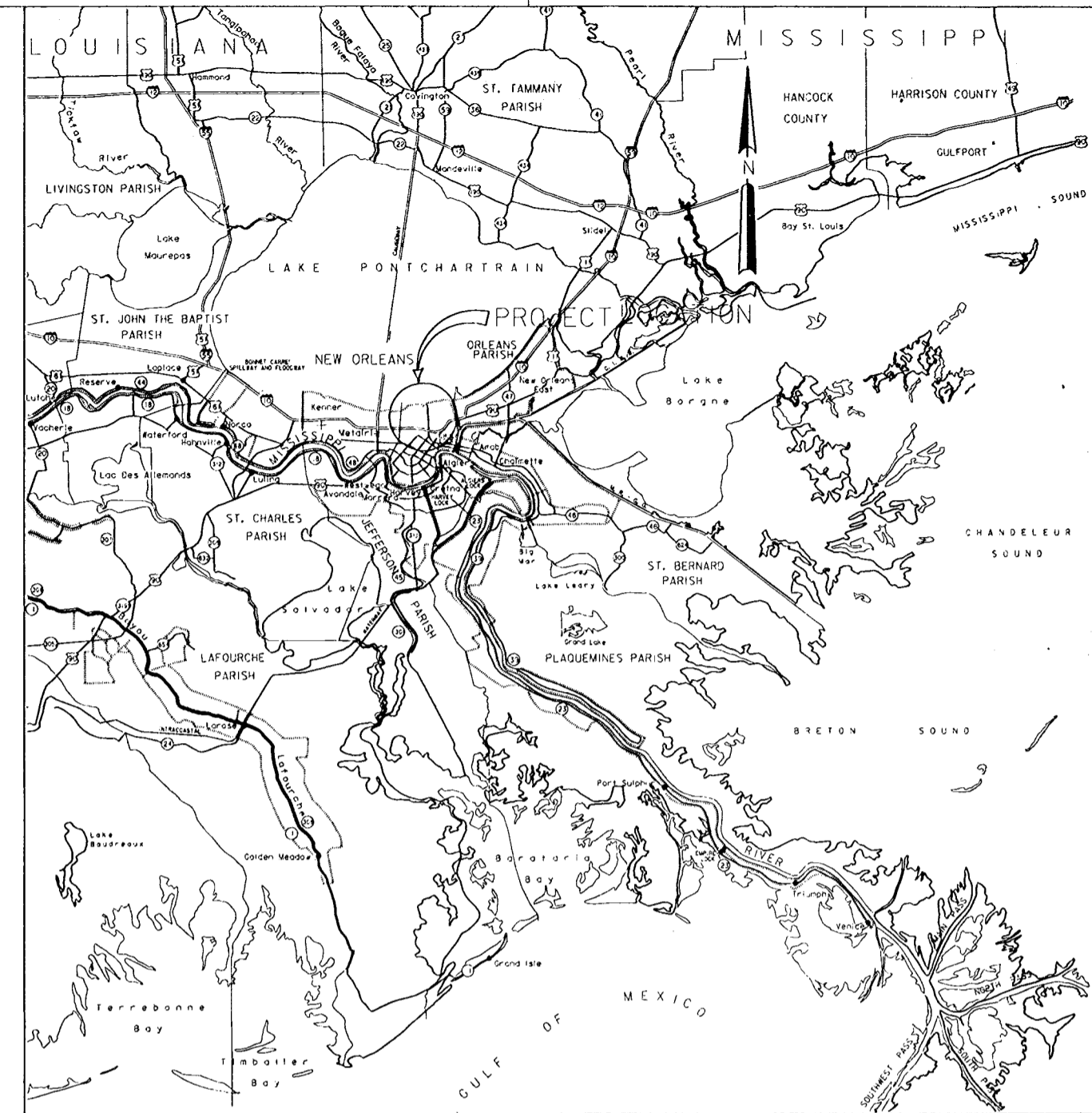
DRAWINGS IN THIS FOLIO
HAVE BEEN REDUCED ONE
HALF THE ORIGINAL SCALE



H-4-40295



GOVERNMENT 08/11/93



TABULATION OF BENCH MARKS

DESIGNATION	DESCRIPTION	ELEVATION
P 153	AT NEW ORLEANS, ABOUT 0.8 MILES WEST ALONG LAKESHORE DR. FROM THE WEST SIDE OF THE TRAFFIC CIRCLE AT THE JUNCTION OF ELYSIAN FIELDS AVE., ABOUT 0.55 MI. NE ALONG LAKE TERRACE DR. FROM THE EAST END OF THE LAKESHORE DR. BRIDGE OVER BAYOU ST. JOHN, THENCE 0.1 MI. EAST ALONG LAKESHORE DR. TO THE BRIDGE ACROSS LONDON AVE. CANAL. SET IN THE TOP OF THE EAST END OF PEDESTRIAN WALK ALONG THE SOUTH SIDE OF THE BRIDGE OVER THE EAST ABUTMENT OF THE BRIDGE, 5 FT. SOUTH OF THE SOUTH CURB OF THE DRIVE, 6 IN. WEST OF THE EAST END OF THE BRIDGE AND ABOUT 1 FT. ABOVE THE DRIVE.	11.270 N.G.V.D. 1964 EPOCH

Safety is a Part of Your Contract



INDEX TO DRAWINGS

DWG.	TITLE	DWG.	TITLE	DWG.	TITLE
1	INDEX, LOCATION, AND VICINITY MAP	29-30	EXISTING FLOODWALL TO NEW I-WALL CONNECTION - WEST SIDE	57-62	SOIL BORING
2	GENERAL NOTES	31	ARCHITECTURAL FINISH - EAST SIDE	63	BONNET CARRE SPILLWAY BORROW SITE AND SOIL BORING
3	GEOMETRIC CONTROL LAYOUT	32	ARCHITECTURAL FINISH - WEST SIDE	CROSS-SECTIONS	
4	PLAN	32a	ARCHITECTURAL FINISH - WEST SIDE AND EAST SIDE	64-73	SURVEY DATA - EXISTING AND NEW CONDITIONS
5	PLAN	33-34	I-WALL REINFORCEMENT DETAILS - EAST SIDE	R1	EXISTING FLOODWALLS - PLAN & PROFILE
6	PLAN	35	I-WALL REINFORCEMENT DETAILS - WEST SIDE		
7	PLAN	36	TYPICAL JOINT DETAILS		
8	CONSTRUCTION SERVITUDE AND RIGHTS OF WAY	37	TYPICAL LADDER DETAILS		
9	CONSTRUCTION SERVITUDE AND RIGHTS OF WAY	38	REFERENCE BOLT DETAILS		
10	CONSTRUCTION SERVITUDE AND RIGHTS OF WAY	39	UTILITIES		
11	CONSTRUCTION SERVITUDE AND RIGHTS OF WAY	40-41	TELEPHONE CABLE CROSSING DETAILS - WEST SIDE		
12	PROFILE	42-43	SIPHON CROSSING DETAILS - WEST SIDE		
13	PROFILE	44-45	PEDESTRIAN BRIDGE GAP CLOSURE		
14	PROFILE	46-48	ELECTRIC FEEDER RELOCATION - EAST SIDE		
15-16	TYPICAL SECTIONS - EAST SIDE	49-50	ELECTRIC FEEDER RELOCATION - WEST SIDE		
17	TYPICAL SECTIONS - WEST SIDE	51	CONCRETE SLOPE PAVEMENT AND SECURITY CHAIN-LINK FENCE DETAILS		
18	SHEET PILE DETAILS	52	FE6 CHAIN-LINK SECURITY FENCE DETAILS		
19	SHEET PILE DETAILS - WEST SIDE	53	FE6 CHAIN-LINK SECURITY GATE DETAILS		
20	LOCATION OF EXISTING TO NEW I-WALL CONNECTION	54-55	STAGE HYDROGRAPHS		
21-28	EXISTING FLOODWALL TO NEW I-WALL CONNECTION - EAST SIDE	56	SOIL BORING LEGEND		

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
INDEX, LOCATION & VICINITY MAP			
DESIGNED BY: S.I. SHAH	CHECKED BY: R.A.C.	DATE: 2/94	APPROVED BY: [Signature]
DRAWN BY: BINH LE		DATE: 2/94	APPROVED BY: [Signature]
SUBMITTED BY: BURK-KLEINPETER, INC.		APPROVED BY: [Signature]	
MICHAEL G. JOHNSON, P.E.		[Signature]	
DRAWING NO. 40295		DATE: 2/94	
SHEET NO. 1		TOTAL SHEETS: 73	

INDEX.DWG 11/29/93

Safety is a Part
of Your Contract

GENERAL NOTES:

1. AZIMUTHS SHOWN ARE MEASURED CLOCKWISE FROM THE NORTH.
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 HAVE BEEN ESTABLISHED AT THE SITE BY THE GOVERNMENT, SEE DWG. I FOR BENCH MARK DESCRIPTION.
7. THE BASELINE STATIONING REFERS TO THE CORPS OF ENGINEERS TRAVERSE NO. 92-098.
8. FOR BORING LOGS, SEE DWGS. 57-62
9. UNCONTROLLED MOSAICS PREPARED FROM AERIAL PHOTOS FLOWN MARCH 1992.

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 1/8" 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 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 THE FINAL DIMENSIONS; ALLOWANCES MUST BE MADE FOR MACHINING.
6. ITEMS MARKED C.R.S. SHALL BE CORROSION RESISTANT STEEL (STAINLESS STEEL), SEE SPECIFICATIONS.

AZIMUTHS SHOWN ARE
MEASURED CLOCKWISE
FROM THE NORTH.

CONCRETE NOTES:

- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (F') OF 3000 PSI AT 28 DAYS, 90 DAYS IF POZZOLAN IS USED, UNLESS OTHERWISE NOTED.
2. STABILIZATION SLAB CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH (F'c) OF 2500 PSI AT 28 DAYS, 90 DAYS IF POZZOLAN IS USED.
 3. REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH (Fy) OF 60,000 PSI.
 4. CONSTRUCTION JOINTS SHALL BE PROVIDED WHERE SHOWN. WHERE NOT SHOWN, CONSTRUCTION JOINTS SHALL BE PLACED AT LOCATIONS LEAST LIKELY TO IMPAIR THE INTERGRITY 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, AND VERTICAL EXPANSION 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 SPACERS AND SUPPORTS SHALL BE IN ACCORDANCE WITH SP-66, AMERICAN CONCRETE INSTITUTE DETAILING MANUAL - 1980.
 8. REINFORCING BAR DESIGNATION NUMBERS CONFORM TO THE NUMBERING SYSTEM OF THE CONCRETE REINFORCING STEEL INSTITUTE.
 9. REINFORCING BARS SHALL BE CONTINUOUS AT ALL CORNERS UNLESS OTHERWISE NOTED.
 10. REINFORCEMENT, WHERE NECESSARY TO AVOID OPENINGS, PIPES, EMBEDDED ITEMS AND OTHER OBSTRUCTIONS, SHALL BE BENT OR SHIFTED AS DIRECTED BY THE CONTRACTING OFFICER.
 11. THE EMBEDMENT AND SPLICE TABLE SHALL BE USED IN DETERMINING LAP SPLICES AND EMBEDMENT LENGTHS WHERE LENGTHS ARE NOT OTHERWISE INDICATED. SPLICE 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.
 12. ALL EXTERIOR FORMED SURFACES NOT COVERED BY BACKFILL SHALL BE CLASS "A" FINISH AND SURFACES COVERED BY BACKFILL SHALL BE CLASS "D" FINISH, UNLESS OTHERWISE NOTED.

REINFORCEMENT EMBEDMENT AND SPLICE TABLES

BAR SIZE	BASIC TABLE				ALTERNATE TABLE			
	MINIMUM EMBEDMENT LENGTH, INCHES		MINIMUM LAP LENGTH INCHES		MINIMUM EMBEDMENT LENGTH, INCHES		MINIMUM LAP LENGTH INCHES	
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
3	16	12	21	16	16	12	21	16
4	21	16	28	21	21	16	28	21
5	27	21	35	27	27	21	35	27
6	32	25	42	32	32	25	42	32
7	37	29	49	37	37	29	49	37
8	45	35	59	45	43	33	56	43
9	57	44	74	57	48	37	63	48
10	72	58	94	72	58	45	75	58
11	89	68	116	89	71	55	92	71

NOTES:

1. USE THE BASIC TABLE IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
 - A) CENTER TO CENTER BAR SPACING LATERALLY IS AT LEAST 4 BAR DIAMETERS
 - B) CONCRETE COVER IS AT LEAST 2 BAR DIAMETERS, AND
 - C) EDGE DISTANCE TO THE FIRST BAR IN A LAYER IS AT LEAST 2 BAR DIAMETERS.
2. THE ALTERNATE TABLE MAY BE USED IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
 - A) CENTER TO CENTER BAR SPACING LATERALLY IS AT LEAST 6 BAR DIAMETERS
 - B) CONCRETE COVER IS AT LEAST 2 BAR DIAMETERS, AND
 - C) EDGE DISTANCE TO THE FIRST BAR IN A LAYER IS AT LEAST 2.5 BAR DIAMETERS.
3. IF CONCRETE COVER OR EDGE DISTANCE IS LESS THAN 2 BAR DIAMETERS OR THE CENTER TO CENTER BAR SPACING LATERALLY IS LESS THAN 4 DIAMETERS, SEE ACI 318 FOR APPROPRIATE GUIDANCE.
4. TOP BARS ARE HORIZONTAL BARS AND BARS INCLINED LESS THAN 45 DEGREES WITH RESPECT TO A HORIZONTAL PLANE WHICH ARE PLACED SUCH THAT MORE THAN 12 INCHES OF CONCRETE IS CAST IN THE MEMBER BELOW THE BAR.
5. THE TABLES SHOWN ABOVE ARE FOR NORMAL WEIGHT CONCRETE AND UNCOATED REINFORCING BARS. IF EPOXY COATED BARS ARE USED, SEE ACI 318 FOR ADDITIONAL CONSIDERATIONS.

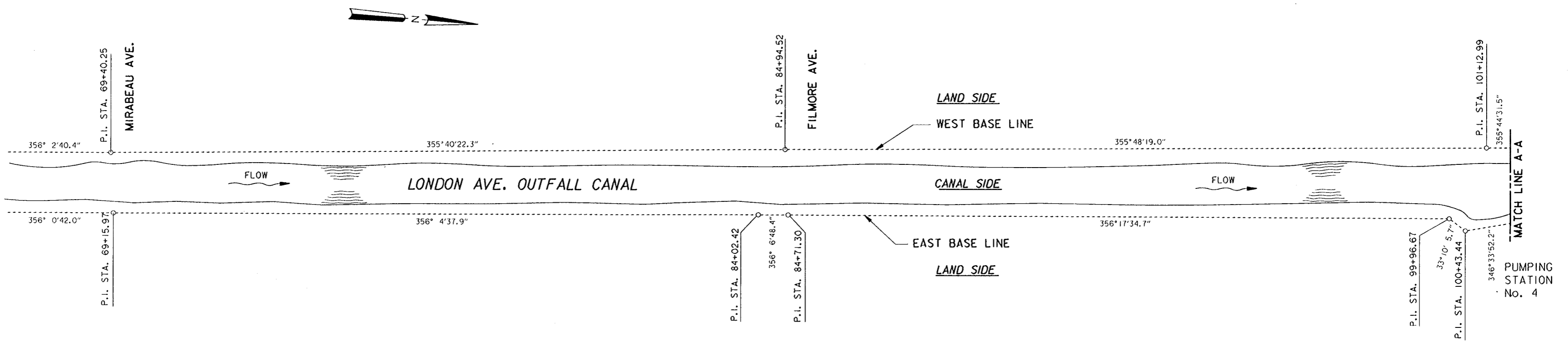
ABBREVIATIONS

- B/L = BASELINE
- BF = BOTTOM FACE
- BL = BOTTOM LAYER
- C = CENTER
- C.I. = CAST IRON
- CJ = CONSTRUCTION JOINT
- CL = CLEAR COVER
- C/L OR C = CENTER LINE
- C.R.S. = CORROSION RESISTANT STEEL
- Ø = DIAMETER
- D = DRAIN
- D.I. = DROP INLET
- D.P. = DRAIN PIPE
- D/S = DOWN STREAM
- D.V. = DRAIN VALVE MANHOLE
- EF = EACH FACE
- EL. = ELEVATION
- ES = EQUALLY SPACED
- F.H. = FIRE HYDRANT
- FF = FAR FACE
- G = GAS
- MH = MANHOLE
- NF = NEAR FACE
- O.C. = ON CENTER
- OPT. = OPTIONAL
- P = POWER
- P.C. = POINT OF CURVATURE
- P.T. = POINT OF TANGENCY
- S = SEWER
- S.C.O. = SEWER CLEANOUT
- ST = STANDARD HOOK
- STA. = STATION
- T = TELEPHONE
- TF = TOP FACE
- TEL.M.H. = TELEPHONE MANHOLE
- TL = TOP LAYER
- TP = TEST PILE
- U/S = UP STREAM
- W = WATER
- W/L = WALL LINE
- W.M. = WATER METER
- W.V. = WATER VALVE



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BYLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
GENERAL NOTES			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 1	PLOT DATE: 02/05/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CAAD FILE: 4029502.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 2 OF 73	
BURK-KLEINPETER, INC.			

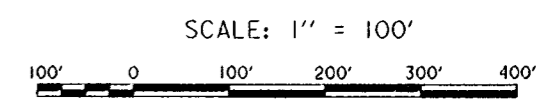
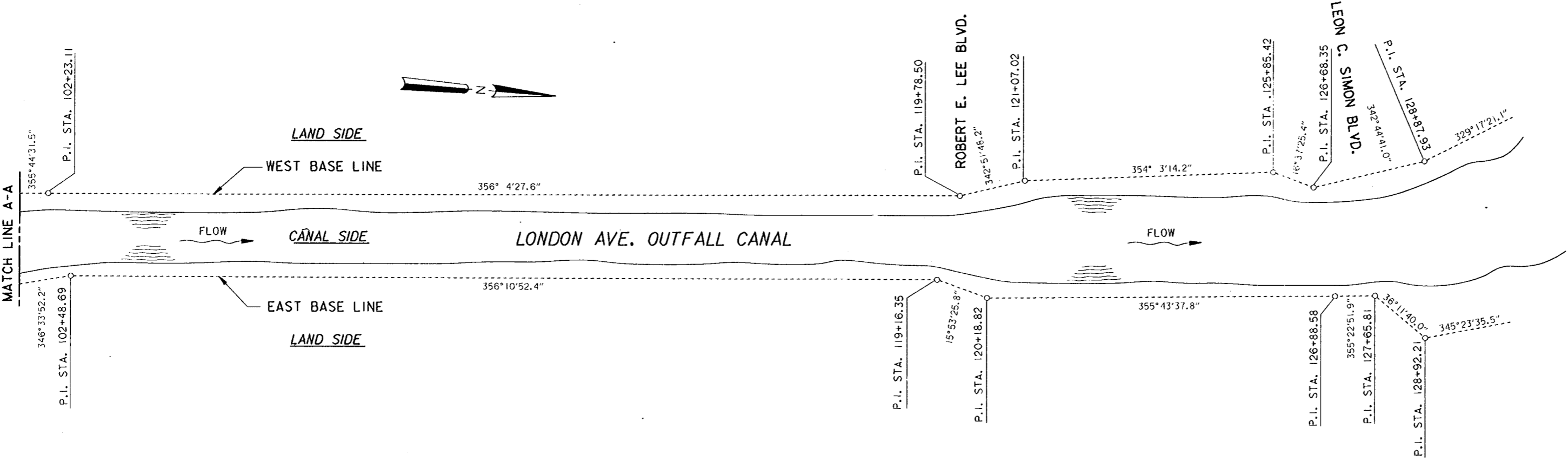
Safety is a Part of Your Contract



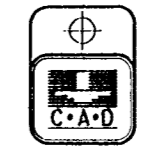
P.I. STA.	COORDINATE (WEST BASELINE)	
	LATITUDE	LONGITUDE
69+40.25	550418.84281	3680753.98485
84+94.52	551967.17908	3680619.64121
101+12.99	553579.73972	3680483.47967
102+23.11	553689.50784	3680474.09405
119+78.50	555439.21865	3680334.63505
121+07.02	555561.60117	3680295.41806
125+85.42	556036.81032	3680240.62603
126+68.35	556116.53150	3680263.47460
128+87.93	556325.47644	3680196.04197

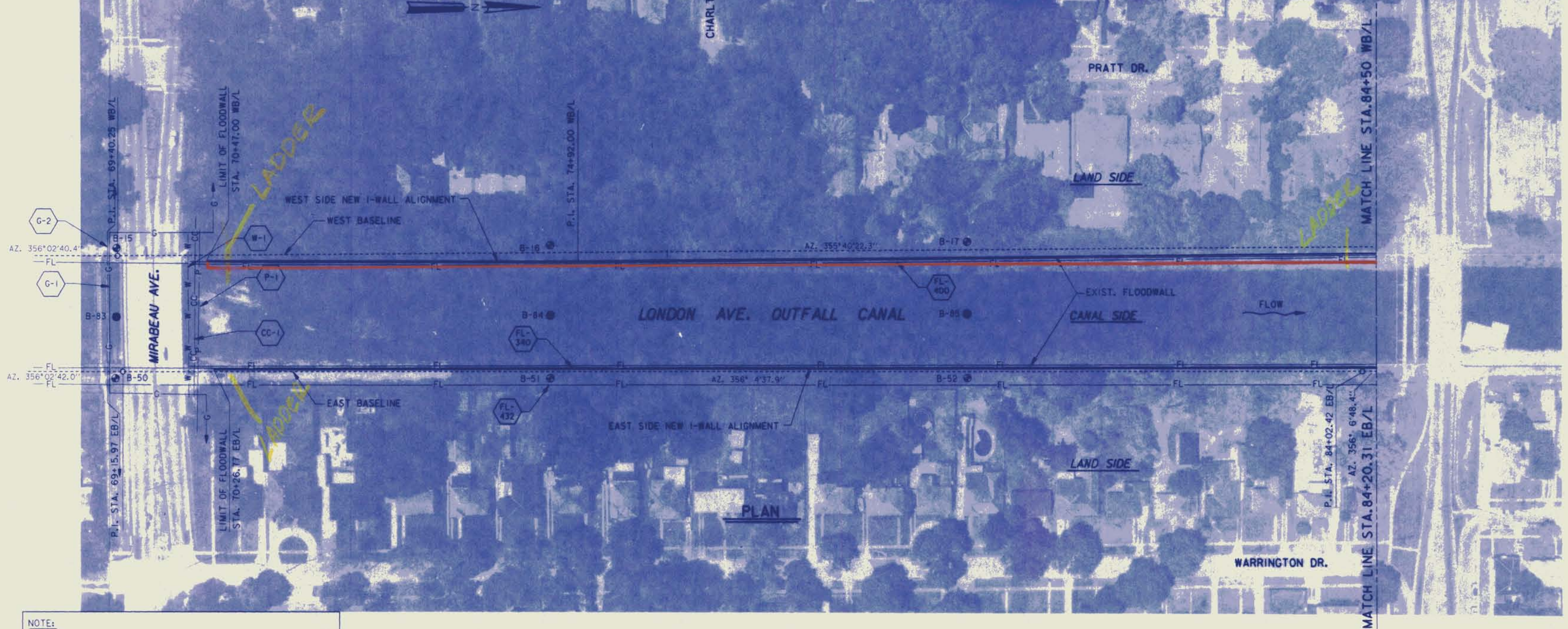
P.I. STA.	COORDINATE (EAST BASELINE)	
	LATITUDE	LONGITUDE
69+15.97	550436.27890	3680891.90019
84+02.42	551917.91941	3680773.86605
84+71.30	551986.58023	3680768.44013
99+96.67	553507.46965	3680653.04607
100+43.44	553546.89103	3680678.19565
102+48.69	553745.97104	3680628.31121
119+16.35	555408.48338	3680498.91578
120+18.82	555507.33066	3680525.88135
126+88.58	556174.59402	3680468.62569
127+65.81	556251.49129	3680461.55931
128+92.21	556354.30463	3680535.06609

AZIMUTH SHOWN ARE MEASURED CLOCKWISE FROM THE NORTH.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
GEOMETRIC CONTROL LAYOUT			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 1200	PLOT DATE: 02/05/94
DRAWN BY: BINH LE	CADD FILE: 0029503.GGN	FILE NO. H-4-40295	
CHECKED BY: S.I. SHAH	SOLICITATION NO. DACW29-94-B-0047	DWG. 3 OF 73	
SUBMITTED BY: MICHAEL G. JACKSON, P.E. <small>BURK - KLEINPETER, INC.</small>			





NOTE:
 THE LONDON AVE. OUTFALL CANAL PARALLEL PROTECTION, PUMP STATION #3 TO MIRABEAU AVE. FLOODWALL WAS AWARDED IN OCTOBER 93. CONSTRUCTION SHOULD BE FINISHED IN JUNE 95. MIRABEAU AVE. IS PART OF THE ACCESS FOR THAT PROJECT.

- LEGEND:**
- W-W- WATER LINE
 - P-P- AERIAL POWER LINE
 - G-G- GAS LINE
 - FL-FL- S & WB FEEDER CABLES
 - TC-TC- TELEPHONE CONDUIT
 - DT-DT- DISCHARGE TUBE (PUMP STA. No. 4)
 - ST-ST- SIPHON TUBE (PUMP STA. No. 4)
 - CC-CC- COX CABLE
 - ⊙ MANHOLE
 - POWER POLE
 - ⊕ EUSTIS UNDISTURBED BORINGS
 - EUSTIS CANAL BOTTOM BORINGS
 - ⦿ CORPS OF ENGINEERS BORINGS
 - NA -NOT AFFECTED
 - RBGC -RELOCATED BY GOVERNMENT CONTRACTOR
 - RMBGC-REMOVED BY GOVERNMENT CONTRACTOR
 - RBCSB-RELOCATED BY SOUTH CENTRAL BELL

WALL ALIGNMENT B/L OFFSETS

EB/L	WB/L	⊕ I-WALL OFFSETS	W/L OFFSETS
70+26.77		+2.59'	+1.79'
84+20.31		+4.14'	+3.27'
	70+47.00	+7.02'	+6.15'
	74+92.00	+10.70'	+9.83'
	84+50.00	+8.12'	+7.25'

(+) OFFSET CANAL SIDE OF B/L
 (-) OFFSET LAND SIDE OF B/L
NOTE: SEE DWGS. 20-30 FOR WALL LINE AT CONNECTIONS.

- NOTES:**
- FOR GENERAL NOTES, SEE DWG. 2.
 - FOR PROFILES, SEE DWGS. 12 THRU 14
 - FOR LOCATIONS OF EXISTING TO NEW I-WALL CONNECTIONS, SEE DWG. 20
 - FOR ELECTRIC FEEDER RELOCATION, SEE DWGS. 46-50
 - FOR BORING LOGS, SEE DWGS. 54-59

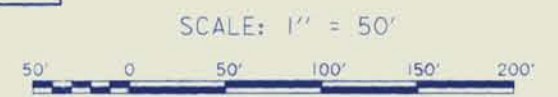
EXISTING FACILITIES

ITEM (▲)	DESCRIPTION	STA. WEST	STA. EAST	OWNER	DISPOSITION
CC-1	COX CABLE (AERIAL)	70 + 32.94	70 + 01.86	COX CABLE	NA
G-1	6" UTILIZATION PRESSURE LINE	69 + 30.30	68 + 99.33	N.O.P.S.I.	NA
G-2	10" HIGH PRESSURE LINE	69 + 28.90	68 + 98.23	N.O.P.S.I.	NA
W-1	12" WATER MAIN	70 + 24.04	69 + 92.08	S&WB	NA
FL-432	PRIMARY 25 CYCLE POWER CABLE		70 + 00.00 TO 84 + 71.00	S&WB	NA (■)
FL-340	PRIMARY 25 CYCLE POWER CABLE		70 + 20.27 TO 84 + 40.35	S&WB	RBGC
FL-400	PRIMARY 25 CYCLE POWER CABLE	70 + 37.50 TO 84 + 64.22		S&WB	RBGC
P-1	AERIAL POWER LINE	70 + 32.94	70 + 01.86	N.O.P.S.I.	(*)

- (*) TO BE DE-ENERGIZED BY N.O.P.S.I.
 (▲) EXISTING FACILITIES SHOWN IN HEXAGON (⊙)
 TO BE LOCATED BY THE GOVERNMENT CONTRACTOR PRIOR TO SETTING THE TEMPORARY FENCE POSTS.
 (■) TO BE LOCATED BY THE GOVERNMENT CONTRACTOR PRIOR TO SETTING THE TEMPORARY FENCE POSTS.

MIRABEAU AVE. MAY BE USED FOR ACCESS

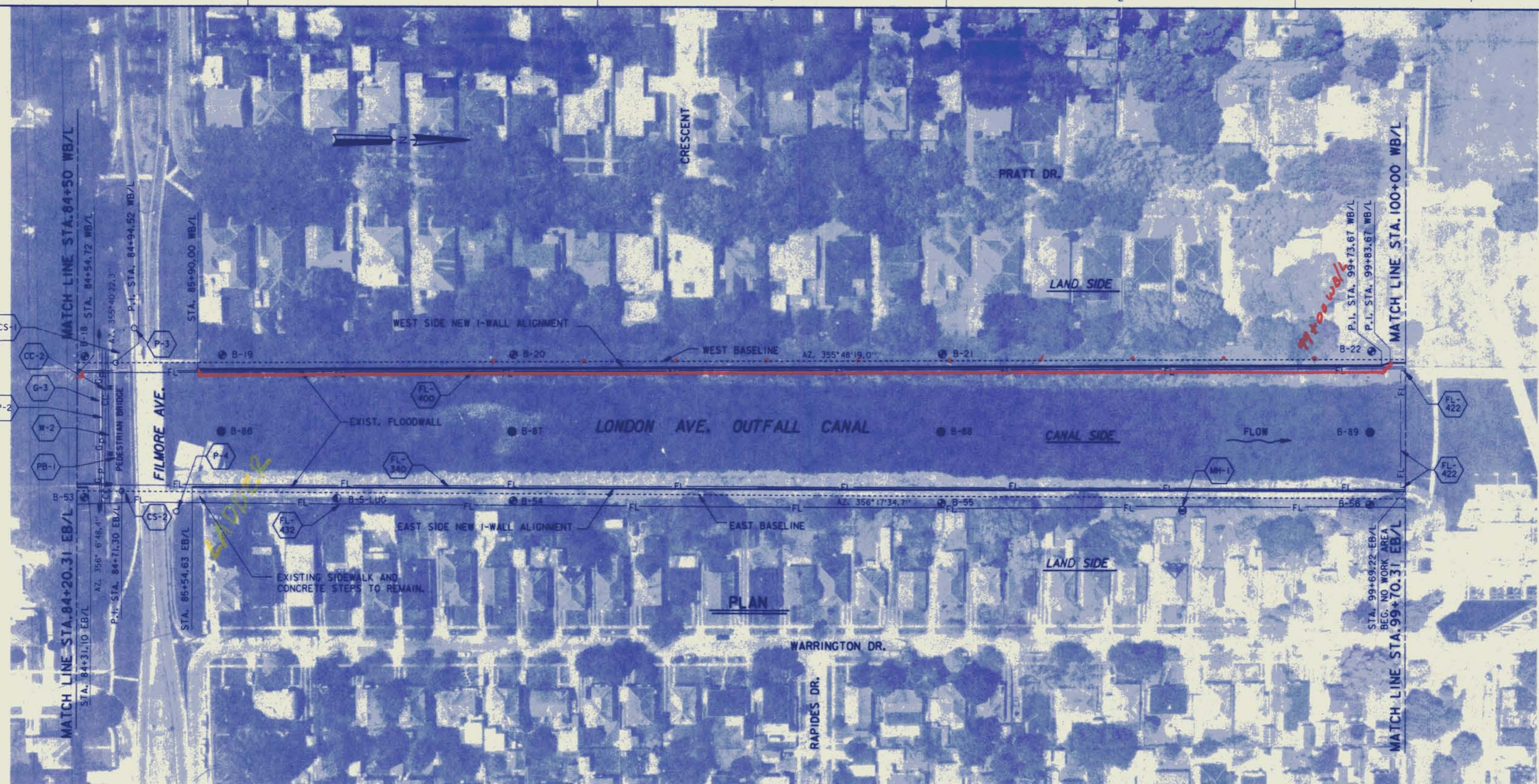
NOTE:
 - THE GOVERNMENT CONTRACTOR IS NOT TO DISTURB ANY UTILITIES IN THE VICINITY OF THIS PROJECT MARKED BY "NA" IN THE DISPOSITION COLUMN IN THE EXISTING FACILITIES TABLE.
 - LIMIT OF FLOODWALL REPRESENTS Ⓞ OF JOINT BETWEEN NEW I-WALL SECTION AND THE CONNECTION TO THE EXISTING I-WALL.



Safety is a Part of Your Contract



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTEC, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
PLAN			
DESIGNED BY: R.CHOPIN	DATE: 01/94	PLOT SCALE: 600	PLOT DATE: 03/14/94
DRAWN BY: BINH LE	CHECKED BY: S.I.SHAH	CADD FILE: 4029504.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047		
BURK-KLEINPETER, INC.	DWG. 4 OF 73		



FILMORE AVE. MAY BE USED FOR ACCESS

WALL ALIGNMENT B/L OFFSETS			
EB/L	WB/L	☉ I-WALL OFFSETS	⊖ W/L OFFSETS
84+20.31		+4.14'	+3.27'
84+31.10		+4.16'	+3.29'
85+54.63		+2.28'	+1.16'
99+69.22		+9.21'	+8.09'
	84+50.00	+8.12'	+7.25'
	84+54.72	+8.12'	+7.25'
	85+90.00	+7.79'	+6.92'
	99+73.67	+6.60'	+5.73'
	99+83.67	+3.94'	+3.07'
	100+00.00	+3.95'	+3.08'

(+) OFFSET CANAL SIDE OF B/L
 (-) OFFSET LAND SIDE OF B/L
 NOTE: SEE DWGS. 20-30 FOR WALL LINE AT CONNECTIONS.

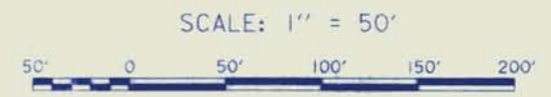


NOTE: FOR NOTES AND LEGEND, SEE DWG. 1
 (●) ONLY TO BE DE-ENERGIZED BY N.O.P.S.I.
 (▲▲) NOT TO BE DISTURBED

EXISTING FACILITIES					
ITEM(▲)	DESCRIPTION	STA. WEST	STA. EAST	OWNER	DISPOSITION
G-3	4" UTILIZATION PRESSURE LINE	84 + 75.33	84 + 45.18	N.O.P.S.I.	NA
W-2	50" Ø WATER MAIN	84 + 84.84	84 + 53.32	S&WB	NA
P-2	AERIAL POWER LINE	84 + 81.16	84 + 44.03	N.O.P.S.I.	(*)
PB-1	PEDESTRIAN BRIDGE	84 + 98.45	84 + 67.48	DEPT. OF STREETS CITY OF N.O.	RMBGC
CS-1	CONCRETE STEPS	84 + 98.45		DEPT. OF STREETS CITY OF N.O.	RMBGC
CS-2	CONCRETE STEPS		84 + 67.48	DEPT. OF STREETS CITY OF N.O.	RMBGC
CC-2	COX CABLE (AERIAL)	84 + 81.16	84 + 44.03	COX CABLE	NA
FL-432	PRIMARY 25 CYCLE POWER CABLE		85 + 30.00 TO 100 + 63.00	S&WB	NA (■)
FL-340	PRIMARY 25 CYCLE POWER CABLE		85 + 50.38 TO 100 + 13.79	S&WB	RBGC
FL-400	PRIMARY 25 CYCLE POWER CABLE	85 + 80.50 TO 101 + 47.29		S&WB	RBGC
FL-422	POWER CABLE SEWER STATION No. 22	99 + 99.23 TO 101 + 38.90	99 + 88.47 TO 100 + 13.79	S&WB	RBGC
P-4	POWER POLE EAST SIDE		85 + 21.30	N.O.P.S.I.	NA
P-3	POWER POLE WEST SIDE	85 + 16.20		N.O.P.S.I.	NA
MH-1	MANHOLE FOR FL-432		97 + 26.76	S&WB	NA (▲▲)

(▲) EXISTING FACILITIES SHOWN IN HEXAGON (☉) TO BE LOCATED BY THE GOVERNMENT CONTRACTOR PRIOR TO SETTING THE TEMPORARY FENCE POSTS.
 (■) TO BE LOCATED BY THE GOVERNMENT CONTRACTOR PRIOR TO SETTING THE TEMPORARY FENCE POSTS.

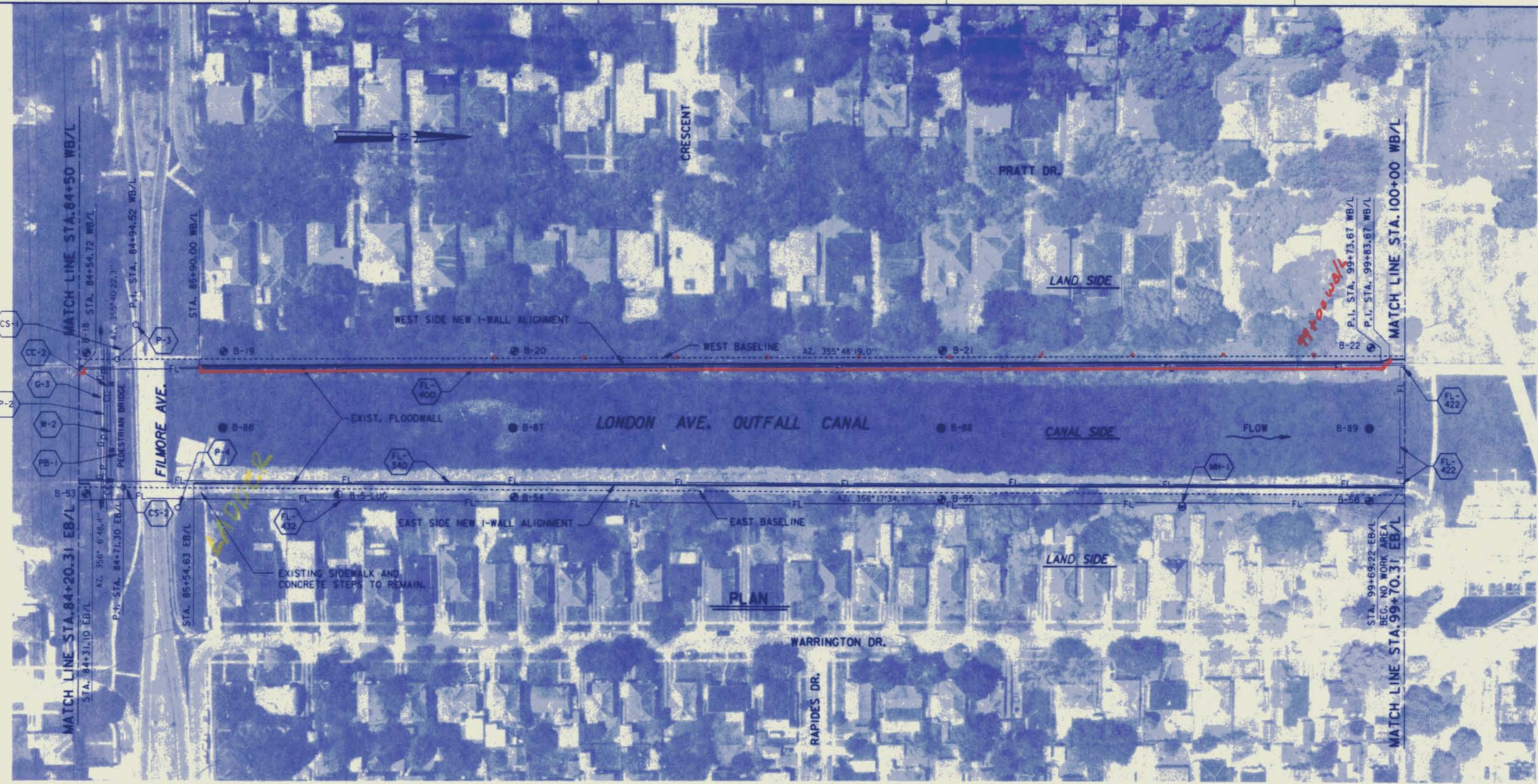
NOTE:
 - THE GOVERNMENT CONTRACTOR IS NOT TO DISTURB ANY UTILITIES IN THE VICINITY OF THIS PROJECT MARKED BY "NA" IN THE DISPOSITION COLUMN IN THE EXISTING FACILITIES TABLE.
 - LIMIT OF FLOODWALL REPRESENTS ☉ OF JOINT BETWEEN NEW I-WALL SECTION AND THE CONNECTION TO THE EXISTING I-WALL.



Safety is a Part of Your Contract



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
BURK - KLEINPETER, INC. <small>ENGINEER, ARCHITECT, PLANNER, ENVIRONMENTAL SCIENTIST</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>ENGINEER</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
PLAN			
DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 600	PLOT DATE: 03/14/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029505.DGN	FILE NO.: H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.		SOLICITATION NO. DACW29-94-B-0047	
BURK-KLEINPETER, INC.		DWG. 5 OF 73	



FILMORE AVE. MAY BE USED FOR ACCESS

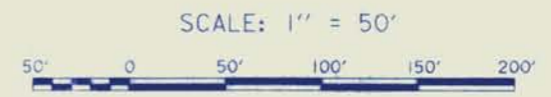
WALL ALIGNMENT B/L OFFSETS			
EB/L	WB/L	☉ I-WALL OFFSETS	W/L OFFSETS
84+20.31		+4.14'	+3.27'
84+31.10		+4.16'	+3.29'
85+54.63		+2.28'	+1.16'
99+69.22		+9.21'	+8.09'
	84+50.00	+8.12'	+7.25'
	84+54.72	+8.12'	+7.25'
	85+90.00	+7.79'	+6.92'
	99+73.67	+6.60'	+5.73'
	99+83.67	+3.94'	+3.07'
	100+00.00	+3.95'	+3.08'

(+) OFFSET CANAL SIDE OF B/L
 (-) OFFSET LAND SIDE OF B/L
 NOTE: SEE DWGS. 20-30 FOR WALL LINE AT CONNECTIONS.

EXISTING FACILITIES					
ITEM(▲)	DESCRIPTION	STA. WEST	STA. EAST	OWNER	DISPOSITION
G-3	4" UTILIZATION PRESSURE LINE	84 + 75.33	84 + 45.18	N.O.P.S.I.	NA
W-2	50" Ø WATER MAIN	84 + 84.84	84 + 53.32	S&WB	NA
P-2	AERIAL POWER LINE	84 + 81.16	84 + 44.03	N.O.P.S.I.	(*)
PB-1	PEDESTRIAN BRIDGE	84 + 98.45	84 + 67.48	DEPT. OF STREETS CITY OF N.O.	RMBGC
CS-1	CONCRETE STEPS	84 + 98.45		DEPT. OF STREETS CITY OF N.O.	RMBGC
CS-2	CONCRETE STEPS		84 + 67.48	DEPT. OF STREETS CITY OF N.O.	RMBGC
CC-2	COX CABLE (AERIAL)	84 + 81.16	84 + 44.03	COX CABLE	NA
FL-432	PRIMARY 25 CYCLE POWER CABLE		85 + 30.00 TO 100 + 63.00	S&WB	NA (■)
FL-340	PRIMARY 25 CYCLE POWER CABLE		85 + 50.38 TO 100 + 13.79	S&WB	RBGC
FL-400	PRIMARY 25 CYCLE POWER CABLE	85 + 80.50 TO 101 + 47.29		S&WB	RBGC
FL-422	POWER CABLE SEWER STATION No. 22	99 + 99.23 TO 101 + 38.90	99 + 88.47 TO 100 + 13.79	S&WB	RBGC
P-4	POWER POLE EAST SIDE		85 + 21.30	N.O.P.S.I.	NA
P-3	POWER POLE WEST SIDE	85 + 16.20		N.O.P.S.I.	NA
MH-1	MANHOLE FOR FL-432		97 + 26.76	S&WB	NA (▲▲)

(▲) EXISTING FACILITIES SHOWN IN HEXAGON (☉) TO BE LOCATED BY THE GOVERNMENT CONTRACTOR PRIOR TO SETTING THE TEMPORARY FENCE POSTS.
 (■) TO BE LOCATED BY THE GOVERNMENT CONTRACTOR PRIOR TO SETTING THE TEMPORARY FENCE POSTS.

NOTE:
 - THE GOVERNMENT CONTRACTOR IS NOT TO DISTURB ANY UTILITIES IN THE VICINITY OF THIS PROJECT MARKED BY "NA" IN THE DISPOSITION COLUMN IN THE EXISTING FACILITIES TABLE.
 - LIMIT OF FLOODWALL REPRESENTS ☉ OF JOINT BETWEEN NEW I-WALL SECTION AND THE CONNECTION TO THE EXISTING I-WALL.



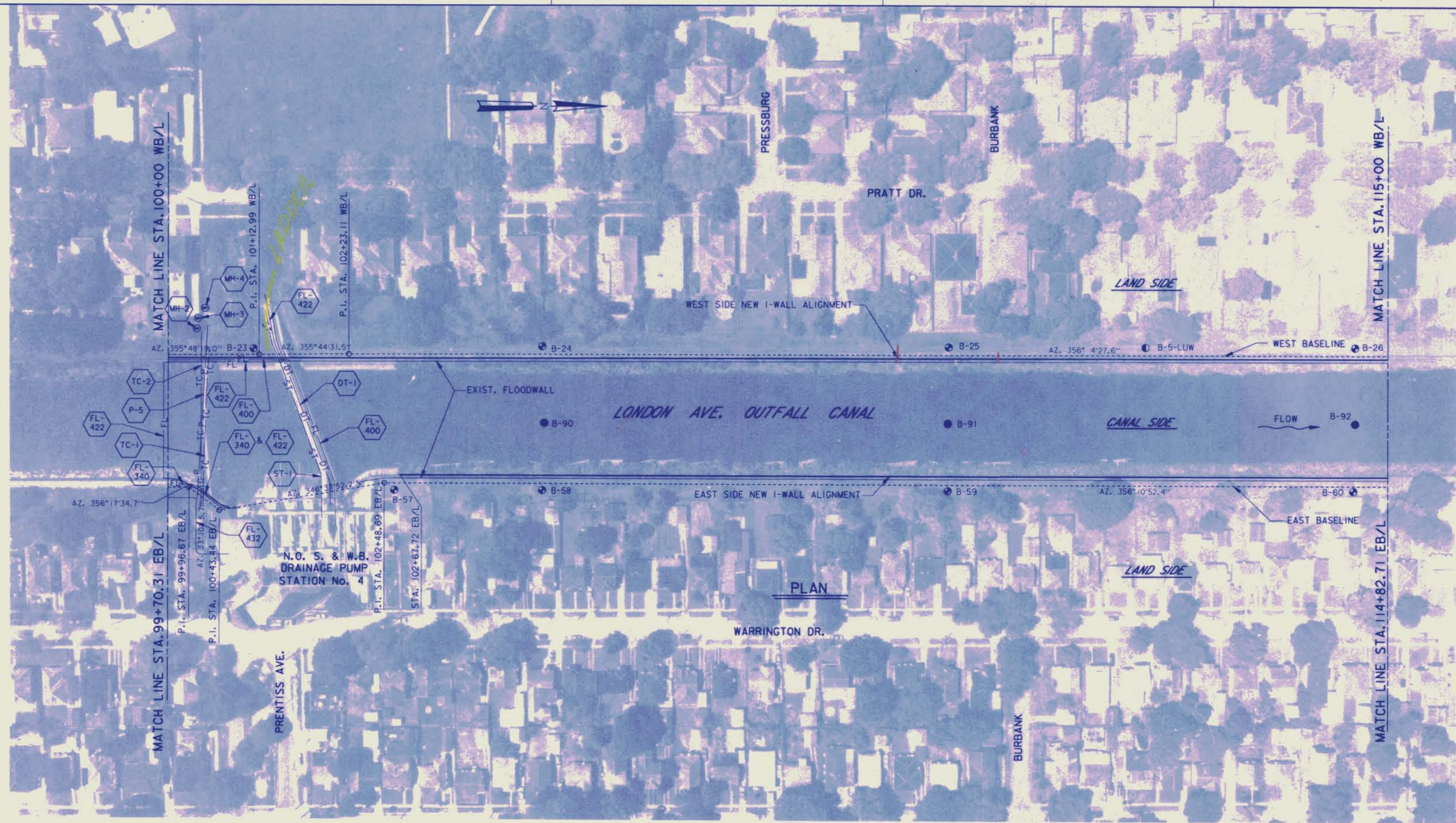
Safety is a Part of Your Contract



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEER, ARCHITECT, PLANNER, ENVIRONMENTAL SCIENTIST</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>ENGINEER</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
PLAN			
DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 600	PLOT DATE: 03/14/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAM	CADD FILE: 4029505.DGN	FILE NO.: H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.		SOLICITATION NO. DACW29-94-B-0047	
BURK-KLEINPETER, INC.		DWG. 5 OF 73	



NOTE: FOR NOTES AND LEGEND, SEE DWG. 1
 (▲) ONLY TO BE DE-ENERGIZED BY N.O.P.S.I.
 (▲▲) NOT TO BE DISTURBED



WALL ALIGNMENT B/L OFFSETS			
EB/L	WB/L	℄ I-WALL OFFSETS	W/L OFFSETS
102+67.72		+10.01'	+9.14'
114+82.71		+11.24'	+10.37'
	100+00.00	+3.95'	+3.08'
	115+00.00	+4.12'	+3.25'

(+) OFFSET CANAL SIDE OF B/L
 (-) OFFSET LAND SIDE OF B/L

NOTE: SEE DWGS. 20-30 FOR WALL LINE AT CONNECTIONS.

EXISTING FACILITIES					
ITEM (▲)	DESCRIPTION	STA. WEST	STA. EAST	OWNER	DISPOSITION
TC-1	18-5" TELEPHONE CONDUITS	100 + 49.61	100 + 18.61	SOUTH CENTRAL BELL	NA
TC-2	10-5" WIRE ARMORED UNDERGROUND TELE-CABLES	100 + 41.27	100 + 14.28	SOUTH CENTRAL BELL	TO BE ABANDONED BY SOUTH CENTRAL BELL
P-5	AERIAL POWER LINES	100 + 46.20	100 + 11.37	N.O.P.S.I.	(*) (■)
ST-1	10' STEEL SIPHON TUBE	101 + 38.90	101 + 71.23	S&WB	NA
DT-1	50" STEEL DISCHARGE TUBE	101 + 47.29	101 + 84.41	S&WB	NA
FL-432	PRIMARY 25 CYCLE POWER CABLE		85 + 30.00 TO 101 + 63.00	S&WB	NA (■)
FL-340	PRIMARY 25 CYCLE POWER CABLE		85 + 50.38 TO 100 + 13.79	S&WB	NA
FL-400	PRIMARY 25 CYCLE POWER CABLE	85 + 80.50 TO 101 + 47.29		S&WB	RBCC
FL-422	POWER CABLE SEWER STA. NO. 22	99 + 99.23 TO 101 + 38.90	99 + 88.47 TO 100 + 13.79	S&WB	RBCC
MH-2	TELEPHONE MANHOLE	100 + 41.40		SOUTH CENTRAL BELL	NA (▲▲)
MH-3	TELEPHONE MANHOLE	100 + 42.73		SOUTH CENTRAL BELL	NA (▲▲)
MH-4	TELEPHONE MANHOLE	100 + 50.95		SOUTH CENTRAL BELL	NA (▲▲)

(■) POWER POLE ON EASTBANK WILL BE RELOCATED BY N.O.P.S.I.
 TO BE LOCATED BY THE GOVERNMENT CONTRACTOR PRIOR TO SETTING THE TEMPORARY FENCE POSTS.
 (▲) THE GOVERNMENT CONTRACTOR WILL HAVE TO JACK SHEET PILING AROUND THE TELEPHONE CONDUITS, 10' STEEL SIPHON TUBE, AND THE 50" STEEL DISCHARGE TUBE ON THE WEST SIDE.

NOTE:

- THE GOVERNMENT CONTRACTOR IS NOT TO DISTURB ANY UTILITIES IN THE VICINITY OF THIS PROJECT MARKED BY "NA" IN THE DISPOSITION COLUMN IN THE EXISTING FACILITIES TABLE.
 LIMIT OF FLOODWALL REPRESENTS ℄ OF JOINT BETWEEN NEW I-WALL SECTION AND THE CONNECTION TO THE EXISTING I-WALL.



Safety is a Part of Your Contract



NOTE: FOR NOTES AND LEGEND, SEE DWG. 1
 (*) TO BE DE-ENERGIZED BY N.O.P.S.I.
 (▲) EXISTING FACILITIES SHOWN IN HEXAGON (○)
 (■) TO BE LOCATED BY THE GOVERNMENT CONTRACTOR PRIOR TO SETTING THE TEMPORARY FENCE POSTS.
 (▲▲) NOT TO BE DISTURBED

AMEND. NO. 2	10-4-94	B.K.I.L.
AMEND. NO. 1	10-4-94	B.K.I.L.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CIVIL AND ELECTRICAL ENGINEERS</small> BATON ROUGE, LOUISIANA
LAKE PONTCHARTRAIN, LA, AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA		
PLAN		
DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 600
DRAWN BY: BINH LE	CHECKED BY: S.I.SHAH	FILE NO.: H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	PLOT DATE: 03/14/94
BURK-KLEINPETER, INC.		DWG. 6 OF 73



ROBERT E. LEE BLVD. AND LEON C. SIMON BLVD. MAY BE USED FOR ACCESS.

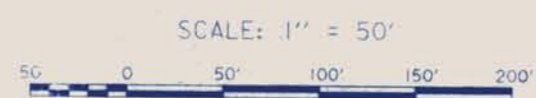
EB/L	WB/L	€ I-WALL OFFSETS	W/L OFFSETS
114+82.71		+11.24'	+10.37'
119+03.06		+11.67'	+10.80'
120+49.00		+5.50'	+4.63'
126+65.00		+4.50'	+3.63'
	115+00.00	+4.12'	+3.25'
	119+62.82	+4.03'	+3.16'

(+) OFFSET CANAL SIDE OF B/L
 (-) OFFSET LAND SIDE OF B/L
 NOTE: SEE DWGS. 20-30 FOR WALL LINE CONNECTIONS.

ITEM(▲)	DESCRIPTION	STA. WEST	STA. EAST	OWNER	DISPOSITION
PB-2	PEDESTRIAN BRIDGE	119 + 72.58	119 + 55.27	DEPT. OF STREETS CITY OF N.O.	RMBGC
W-3	12" WATER MAIN	120 + 35.46	120 + 22.10	S&WB	NA
CS-3	CONCRETE STEPS	119 + 72.58		DEPT. OF STREETS CITY OF N.O.	RMBGC
CS-4	CONCRETE STEPS		119 + 55.27	DEPT. OF STREETS CITY OF N.O.	RMBGC
P-6	AERIAL POWER LINE	121 + 01.75	120 + 70.80	N.O.P.S.I.	(*)

NOTE: FOR NOTES AND LEGEND, SEE DWG. 1
 (▲) EXISTING FACILITIES SHOWN IN HEXAGON (◻)
 (*) TO BE DE-ENERGIZED BY N.O.P.S.I.

NOTE:
 - THE GOVERNMENT CONTRACTOR IS NOT TO DISTURB ANY UTILITIES IN THE VICINITY OF THIS PROJECT MARKED BY "NA" IN THE DISPOSITION COLUMN IN THE EXISTING FACILITIES TABLE.
 - LIMIT OF FLOODWALL REPRESENTS € OF JOINT BETWEEN NEW I-WALL SECTION AND THE CONNECTION TO THE EXISTING I-WALL.

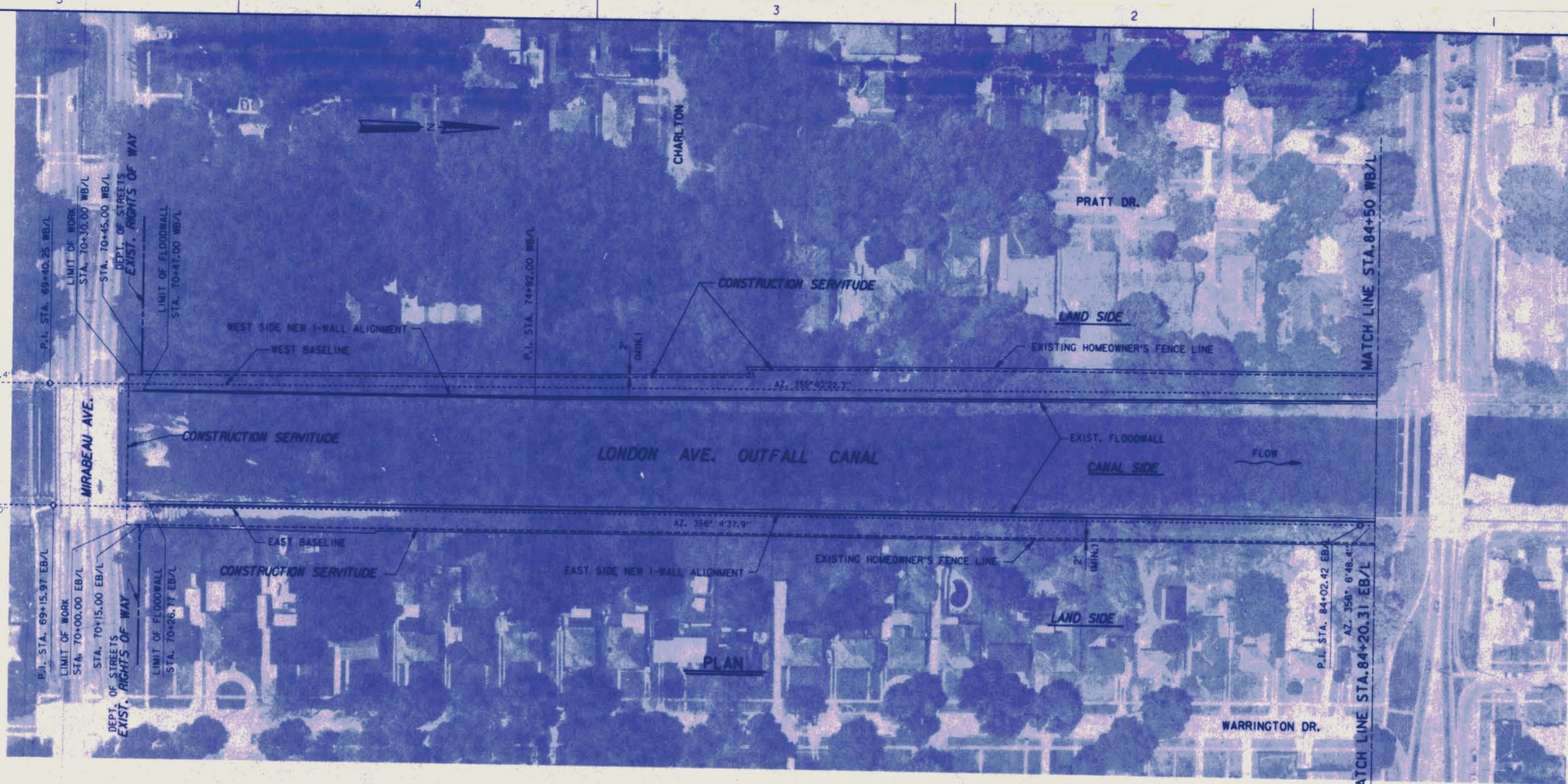


Safety is a Part of Your Contract



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
PLAN			
DESIGNED BY: R. CHOPIN	DATE: 01/94	PLOT SCALE: 600	PLOT DATE: 03/14/94
DRAWN BY: BINH LE	CHECKED BY: S. I. SHAM	CADD FILE: 4029507.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.		SOLICITATION NO. DACW29-94-B-0047	
BURK-KLEINPETER, INC.		DWG. 7 OF 73	





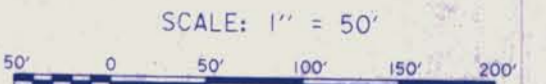
MIRABEAU AVE. MAY BE USED FOR ACCESS

NOTE:
 THE LONDON AVE. OUTFALL CANAL PARALLEL PROTECTION, PUMP STATION #3 TO MIRABEAU AVE. FLOODWALL WAS AWARDED IN OCTOBER 93. CONSTRUCTION SHOULD BE FINISHED IN JUNE 95. MIRABEAU AVE. IS PART OF THE ACCESS FOR THAT PROJECT.

CONSTRUCTION SERVITUDE			
WEST BASELINE		EAST BASELINE	
STATION	DISTANCE	STATION	DISTANCE
70+30	* -10.0'	70+00	* -20.4'
84+50	* -21.4'	84+20	* -20.4'
70+32	* -35.2'		
70+40	* -32.0'		

*NOTE: STATION NUMBERS AND OFFSETS FROM THE BASELINE ARE APPROXIMATE AND AWAY FROM THE CANAL.

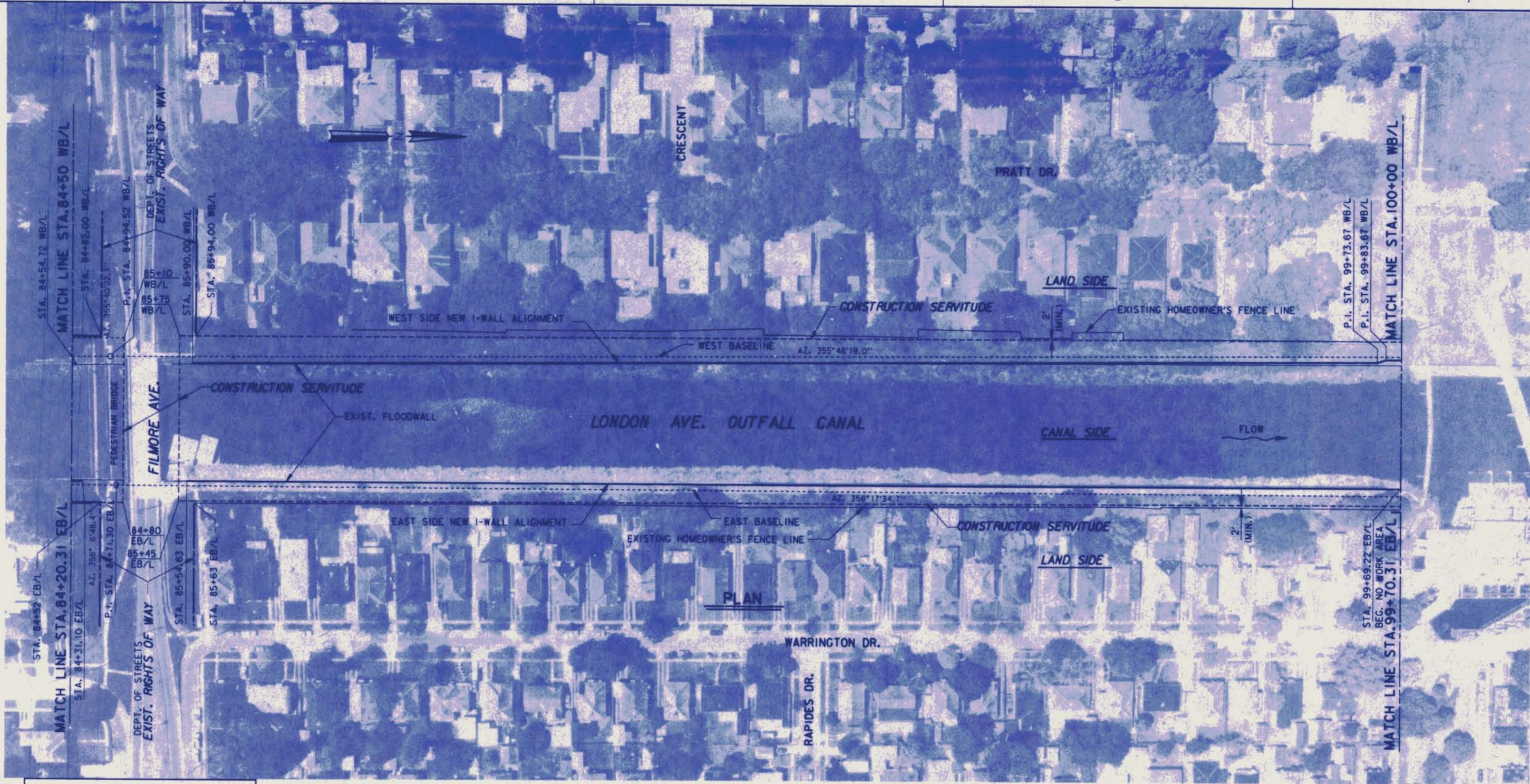
NOTE:
 - LIMIT OF FLOODWALL REPRESENTS $\frac{1}{2}$ OF JOINT BETWEEN NEW I-WALL SECTION AND THE CONNECTION TO THE EXISTING I-WALL.



Safety is a Part of Your Contract



<p>U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA</p>			
<p>BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA</p>		<p>GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA</p>	
<p>LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA</p>			
<p>CONSTRUCTION SERVITUDE AND RIGHTS OF WAY</p>			
DESIGNED BY:	R. CHOPIN	DATE:	01/94
DRAWN BY:	BINH LE	PLOT SCALE:	600
CHECKED BY:	S.I. SHAH	PLLOT DATE:	03/14/94
SUBMITTED BY:	MICHAEL G. JACKSON, P.E.	CADD FILE:	4029508.DGN
	DACW29-94-B-0047	FILE NO.:	H-4-40295
		SOLICITATION NO.:	
		DWG.:	8 OF 73

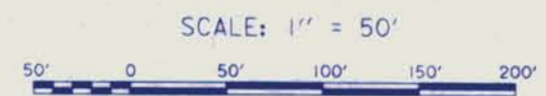


FILMORE AVE. MAY BE USED FOR ACCESS

NOTE:
- LIMIT OF FLOODWALL REPRESENTS C OF JOINT BETWEEN NEW I-WALL SECTION AND THE CONNECTION TO THE EXISTING I-WALL.

CONSTRUCTION SERVITUDE			
WEST BASELINE		EAST BASELINE	
STATION	DISTANCE	STATION	DISTANCE
84+50	* -21.4'	84+20	* -20.4'
85+10	* -21.6'	84+80	* -20.4'
85+75	* -23.6'	85+45	* -18.3'
100+00	* -17.2'	99+70	* -11.0'

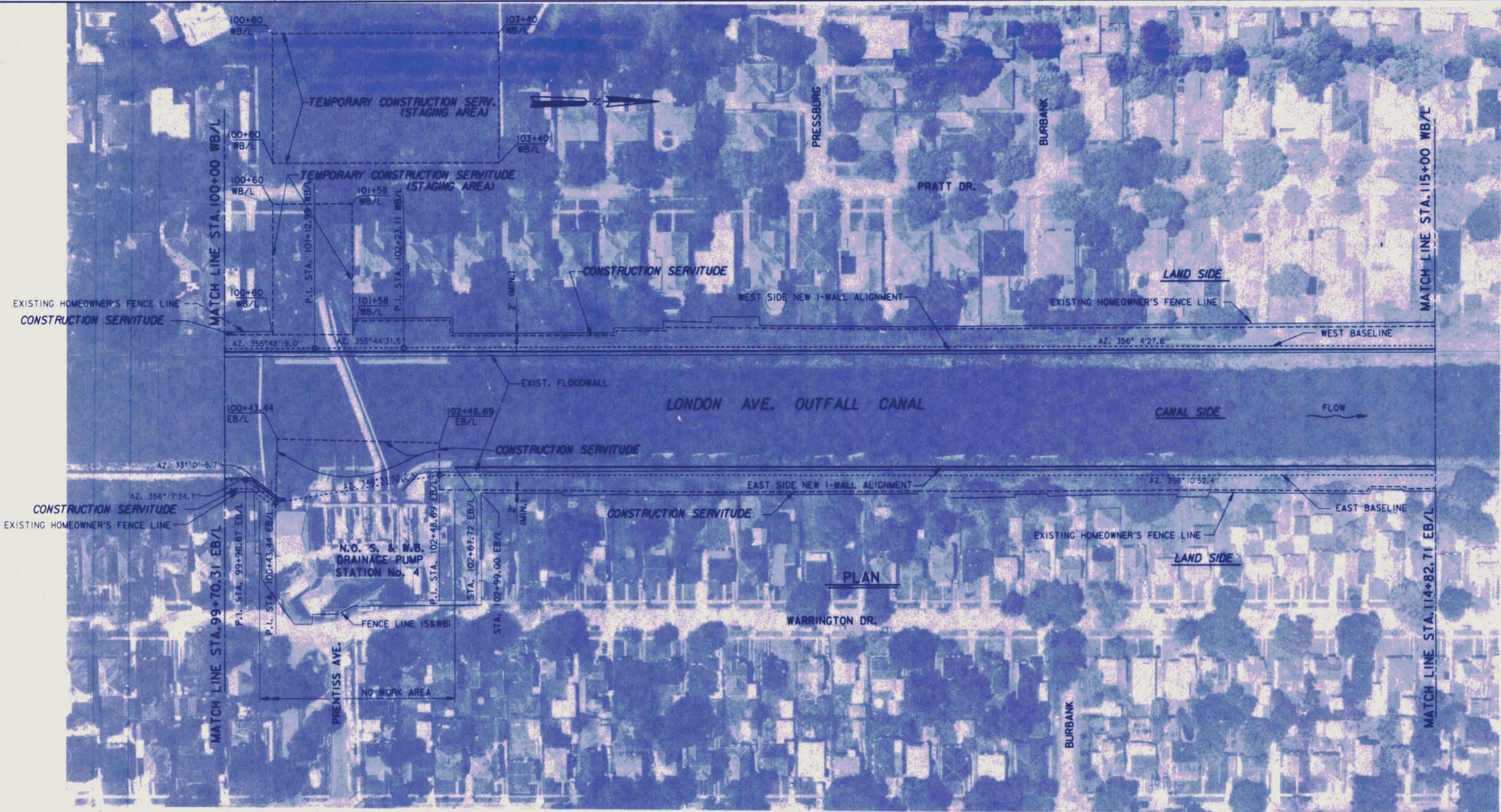
* NOTE: STATION NUMBERS AND OFFSETS FROM THE BASELINE ARE APPROXIMATE AND AWAY FROM THE CANAL.



Safety is a Part of Your Contract



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA CONSTRUCTION SERVITUDE AND RIGHTS OF WAY			
DESIGNED BY: R. CHOPIN	DATE: 01/94	PLOT SCALE: 600	PLOT DATE: 03/14/94
DRAWN BY: BINH LE	CHECKED BY: S. I. SHAM	CADD FILE: 4029509.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.		SOLICITATION NO. DACW29-94-B-0047	
BURK-KLEINPETER, INC.		DWG. 9 OF 73	



SCALE: 1" = 50'



CONSTRUCTION SERVITUDE			
WEST BASELINE		EAST BASELINE	
STATION	DISTANCE	STATION	DISTANCE
100+00	* -17.2'	99+70	* -11.0'
100+60	* -16.5'	100+07.94	* -5.0'
100+60	* -167.7'	100+43.44	* +78.0'
101+58	* -167.3'	100+43.44	* -5.0'
101+58	* -16.5'	102+48.69	* +40.0'
100+60	* -215.0'	102+48.69	* -18.0'
100+60	* -365.0'	114+83	* -19.0'
103+40	* -365.0'		
103+40	* -215.0'		
115+00	* -24.0'		

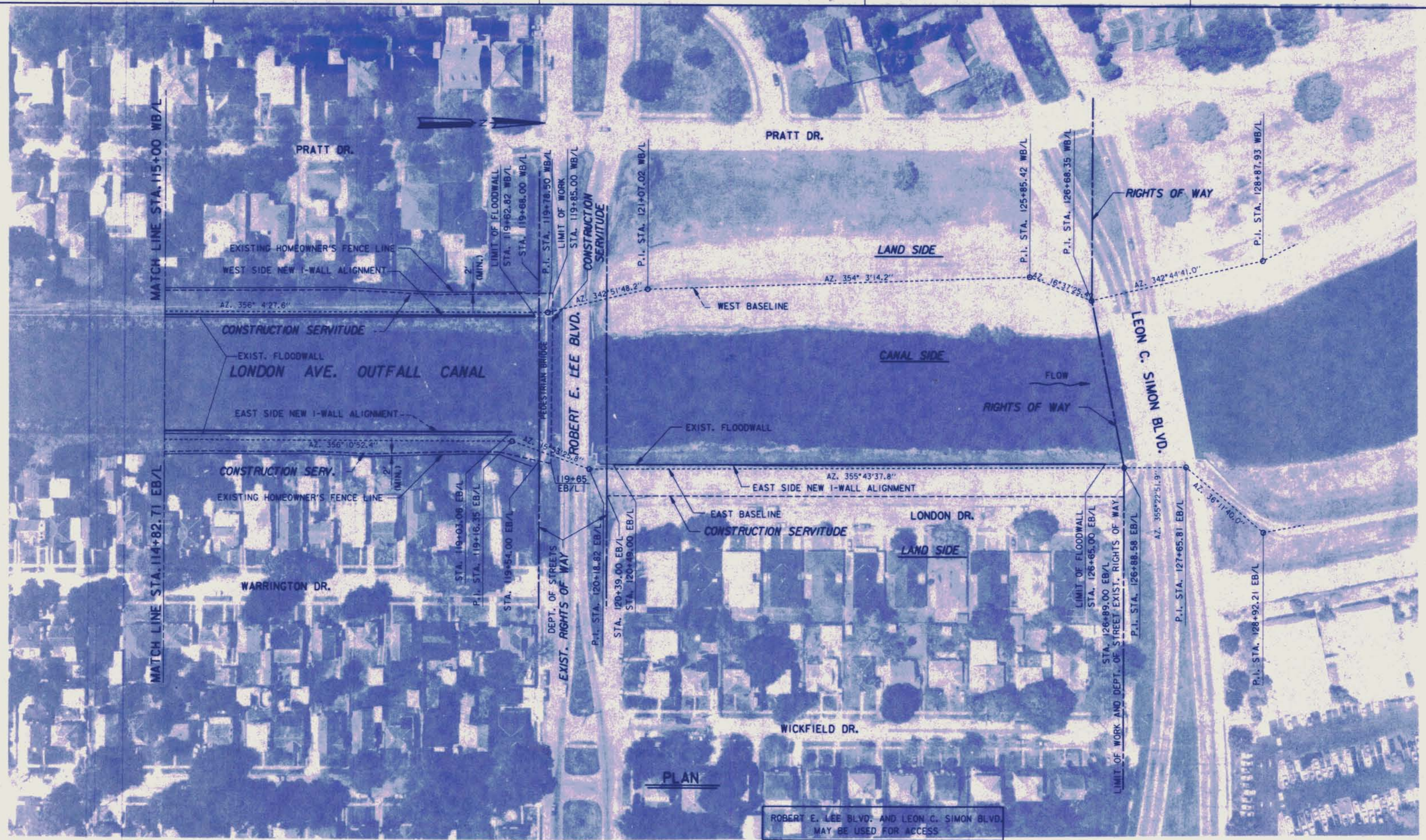
* NOTE: STATION NUMBERS AND OFFSETS FROM THE BASELINE ARE APPROXIMATE AND AWAY FROM THE CANAL.

NOTE: - LIMIT OF FLOODWALL REPRESENTS $\frac{1}{2}$ OF JOINT BETWEEN NEW I-WALL SECTION AND THE CONNECTION TO THE EXISTING I-WALL.

Safety is a Part of Your Contract



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
<small>LAKE PONTCHARTRAIN, LA. AND VICINITY</small> HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BYLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA CONSTRUCTION SERVITUDE AND RIGHTS OF WAY			
DESIGNED BY: R. CHOPIN	DATE: 01/94	PLOT SCALE: 600	PLOT DATE: 03/14/94
DRAWN BY: BINH LE	CHECKED BY: S. I. SHAH	CADD FILE: 4029510.DGN	FILE NO: H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 10 OF 73	



PLAN

ROBERT E. LEE BLVD. AND LEON C. SIMON BLVD.
MAY BE USED FOR ACCESS.

SCALE: 1" = 50'



CONSTRUCTION SERVITUDE			
WEST BASELINE		EAST BASELINE	
STATION	DISTANCE	STATION	DISTANCE
115+00	* -24.0'	114+83	* -19.0'
119+85	* -24.0'	119+65	* -10.0'
		120+39	* -33.50'
		126+89	* -36.10'

* NOTE: STATION NUMBERS AND OFFSETS FROM THE BASELINE ARE APPROXIMATE AND AWAY FROM THE CANAL.

NOTE:
- LIMIT OF FLOODWALL REPRESENTS Q OF JOINT BETWEEN NEW I-WALL SECTION AND THE CONNECTION TO THE EXISTING I-WALL.

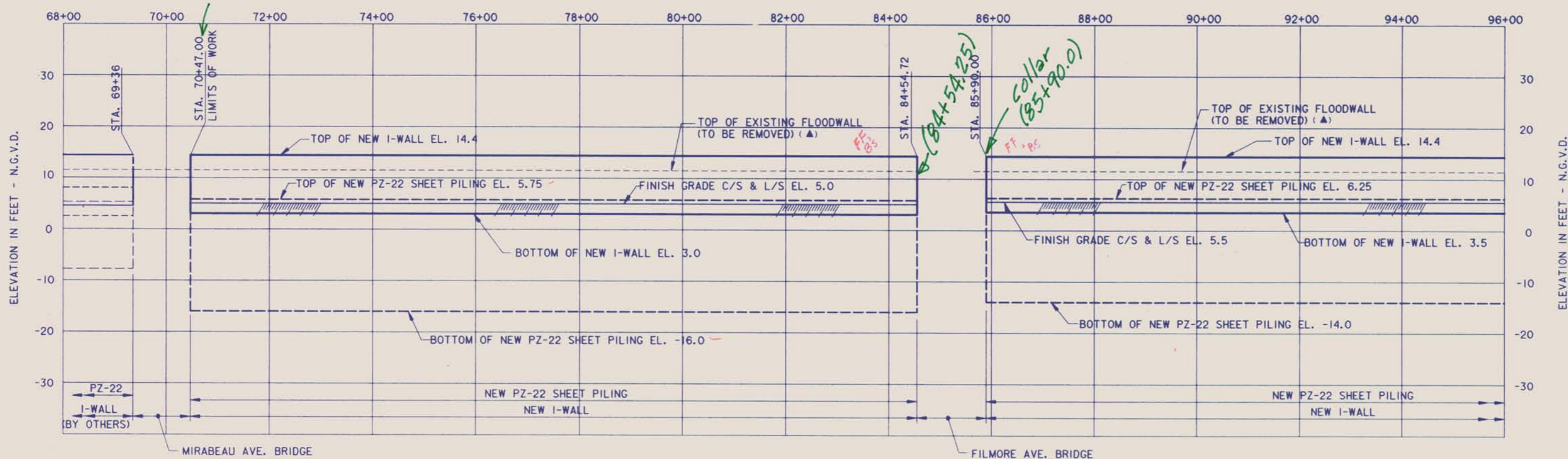
Safety is a Part
of Your Contract



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA, AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA CONSTRUCTION SERVITUDE AND RIGHTS OF WAY			
DESIGNED BY: R. CHOPIN	DATE: 01/94	PLOT SCALE: 600	PLOT DATE: 03/14/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 402951.L00N	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 11 OF 73	

Safety is a Part of Your Contract

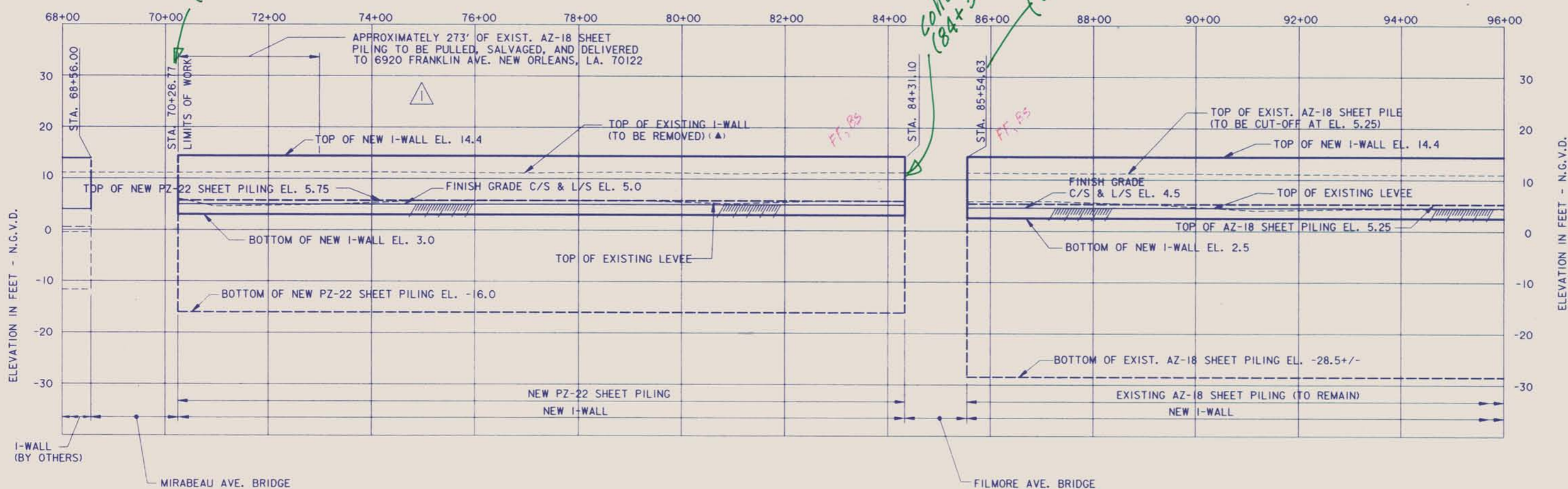
STATIONING ALONG WEST BASE LINE



WEST PROFILE (CANAL SIDE ELEVATION)

SCALE: HOR. 1" = 100'
VERT. 1" = 10'

STATIONING ALONG EAST BASE LINE

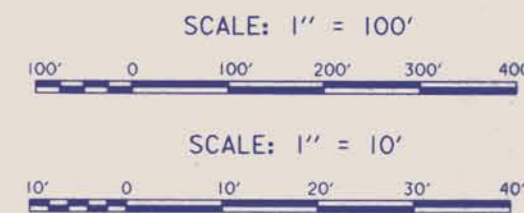


EAST PROFILE (LAND SIDE ELEVATION)

SCALE: HOR. 1" = 100'
VERT. 1" = 10'

NOTES:
FOR TYPICAL SECTIONS, SEE DWGS. 15-17.
▲ FOR LIMITS OF REMOVAL, SEE TYPICAL SECTIONS DWGS. 15-17.

THIS PLAN ACCOMPANIES
MODIFICATION A00002
TO CONTRACT NUMBER
DACW29-94-C-0079



▲	REVISED NOTE IN EAST PROFILE; MOD. A2	08-14-95	B.K.I.
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
PROFILE			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 1200	PLOT DATE: 12/5/95
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 40295/2.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047		DWG. 12 OF 73
<small>BURK-KLEINPETER, INC.</small>			



DACW29-94-C-0079
 Limit of I-wall
 As-built Stations

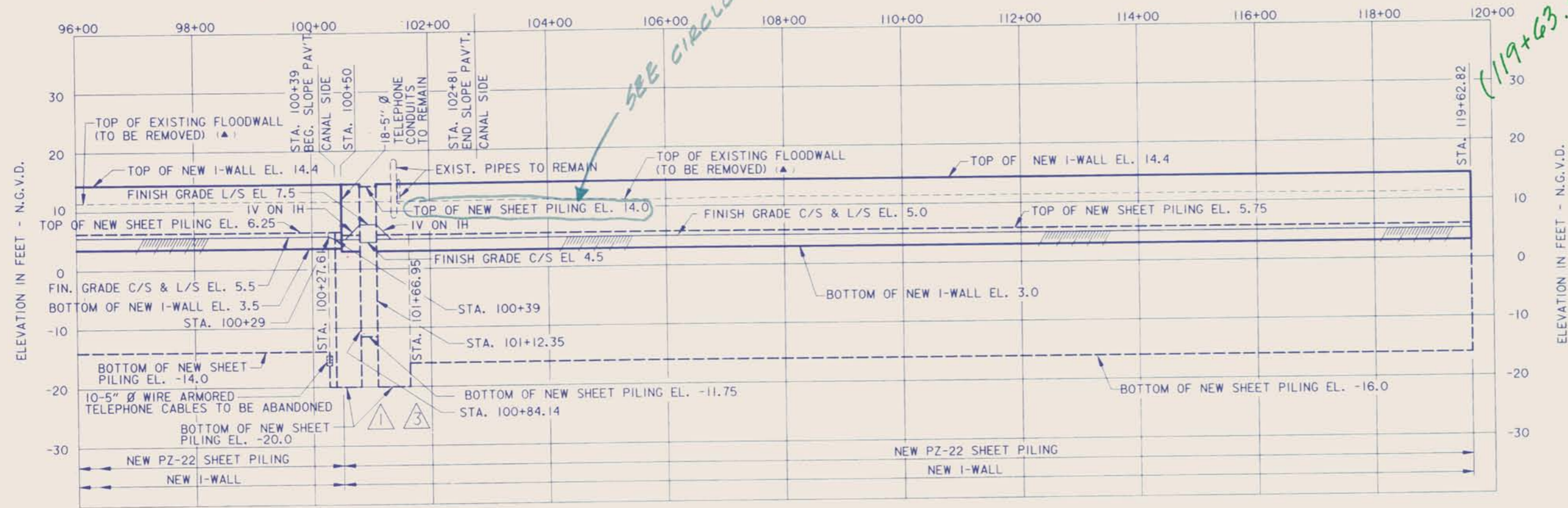
West Bank	East Bank
South End of Mono. #2 = Sta. 70+47.00	South End of Mono. #2 = Sta. 70+26.07
North End of Mono. #50 = 84+54.25	North End of Mono. #50 = Sta. 84+30.40
South End of Mono. #53 = 85+90.00	South End of Mono. #52 = 85+54.60
North End of Mono. #170 = 119+63.43	North End of Mono. #101 = 99+68.95
	South End of Mono. #105 = 102+67.72
	North End of Mono. #161 = 119+02.30
	South End of Mono. #164 = 120+48.85
	North End of Mono #185 = 126+45.60

FROM
 JOHN MORTON'S
 AS-BUILT SET

Jim Justice

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STATIONING ALONG WEST BASE LINE

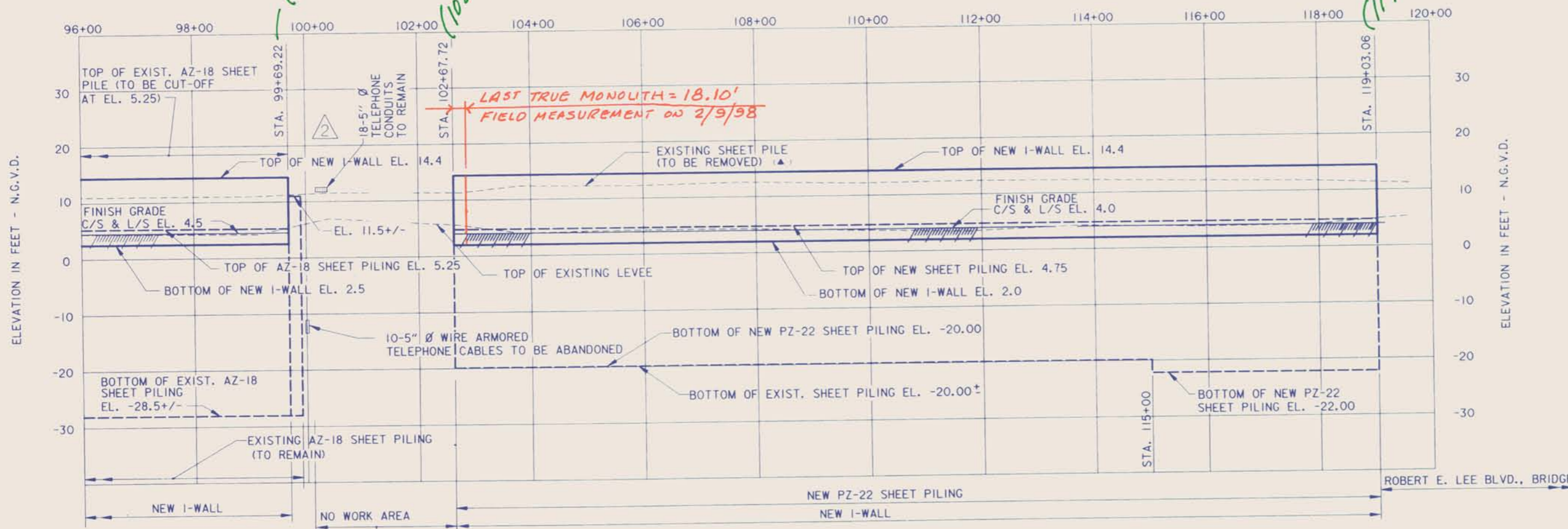


WEST PROFILE (CANAL SIDE ELEVATION)

SCALE: HOR. 1" = 100'
VERT. 1" = 10'

▲ FOR LIMITS OF REMOVAL, SEE TYPICAL SECTIONS DWGS. 15-17.

STATIONING ALONG EAST BASE LINE



EAST PROFILE (LAND SIDE ELEVATION)

SCALE: HOR. 1" = 100'
VERT. 1" = 10'

EXCEPTION FOR N.O.S.&W.B. DRAINAGE PUMPING STATION NO. 4

(119+02.30)

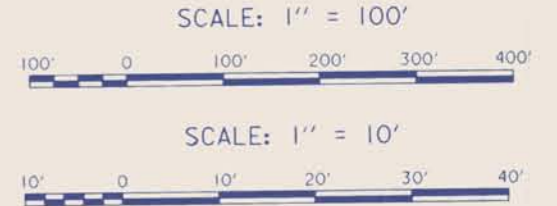
(99+68.95)

(102+67.72)

(119+63.43)

SEE CIRCLED NOTE ON DWG. 18.

THIS PLAN ACCOMPANIES MODIFICATION A00007 TO CONTRACT NUMBER DACW29-94-C-0079



SYMBOL	DESCRIPTION	DATE	APPROVED
▲	REVISED PROFILE: MOD. A1	11-01-95	B.K.I.
▲	REVISED EAST PROFILE: MOD. A2	08-14-95	B.K.I.
▲	AMEND. NO. 1	10-4-94	B.K.I.

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

BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
NEW ORLEANS, LOUISIANA

GOTECH, INC. CONSULTING ENGINEERS
BATON ROUGE, LOUISIANA

LAKE PONCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
ORLEANS PARISH, LOUISIANA

PROFILE

DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 1200	PLOT DATE: 3/25/96
DRAWN BY: BINH LE	CHECKED BY: S.I.SHAH	CADD FILE: 4029513.DGN	FILE NO. H-4-4
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 13	



Safety is a Part of Your Contract

5

4

3

2

1

HUGH HOWAT'S comment: I think he put the wrong sta.
Based on his list attached to dwg. 13, should read 126+65.60

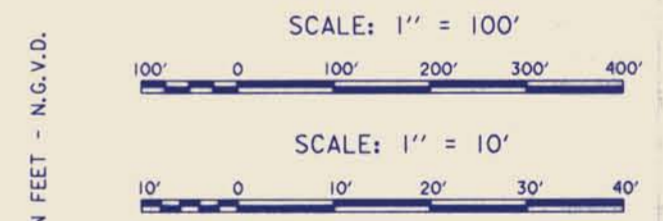
(120+48.85)

(125+65.6)



EAST PROFILE (LAND SIDE ELEVATION)

SCALE: HOR. 1" = 100'
 VERT. 1" = 10'



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

BURK - KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 NEW ORLEANS, LOUISIANA

GOTCH, INC.
 CONSULTING ENGINEERS
 BATON ROUGE, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
 MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
 MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
 ORLEANS PARISH, LOUISIANA

PROFILE

DESIGNED BY: R. CHOPIN	DATE: 01/94	PLOT SCALE: 1200	PLOT DATE: 01/29/94
DRAWN BY: BINH LE	CADD FILE: 4029514.DGN	FILE NO. H-4-40295	
CHECKED BY: S.I. SHAH	SOLICITATION NO. DACW29-94-B-0047		
SUBMITTED BY: MICHAEL G. JACKSON, P.E. BURK-KLEINPETER, INC.			

DWG. 14 OF 73



5

4

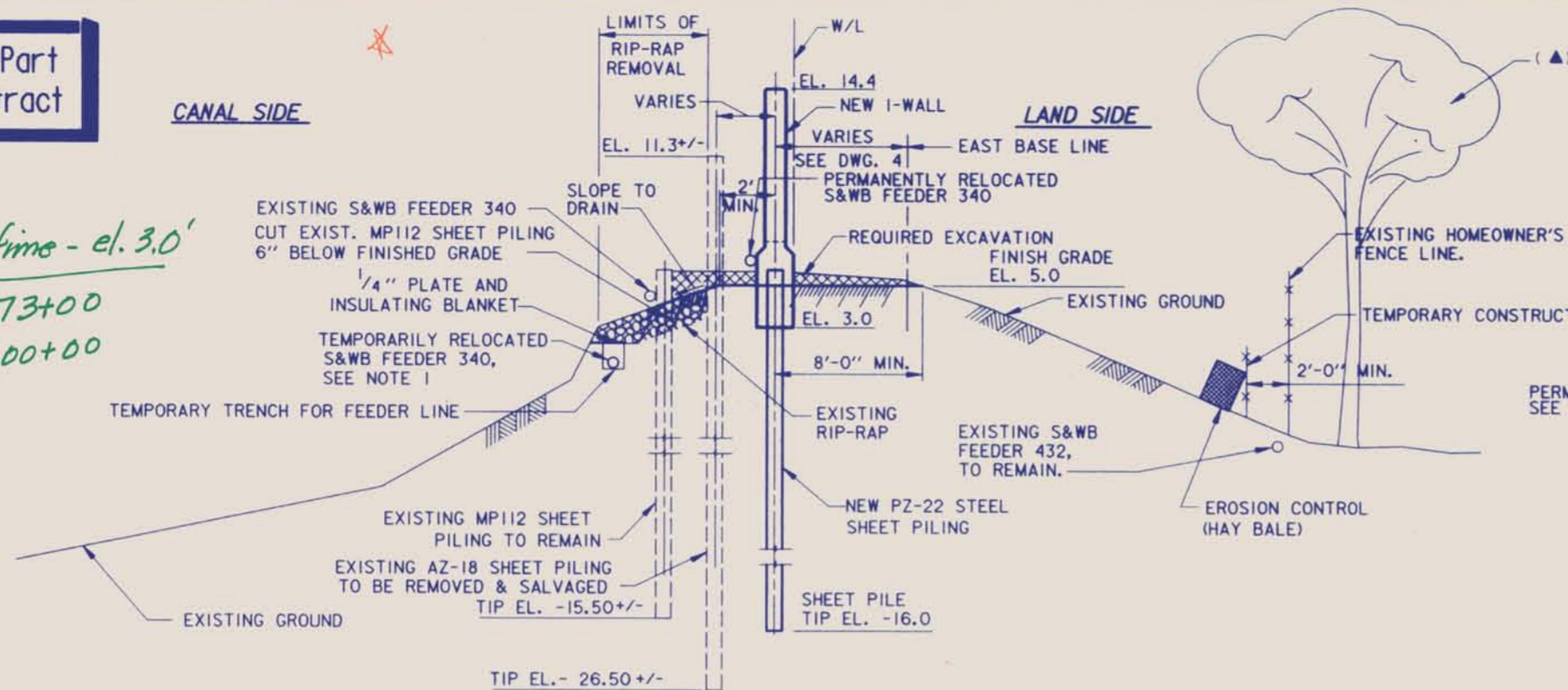
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2

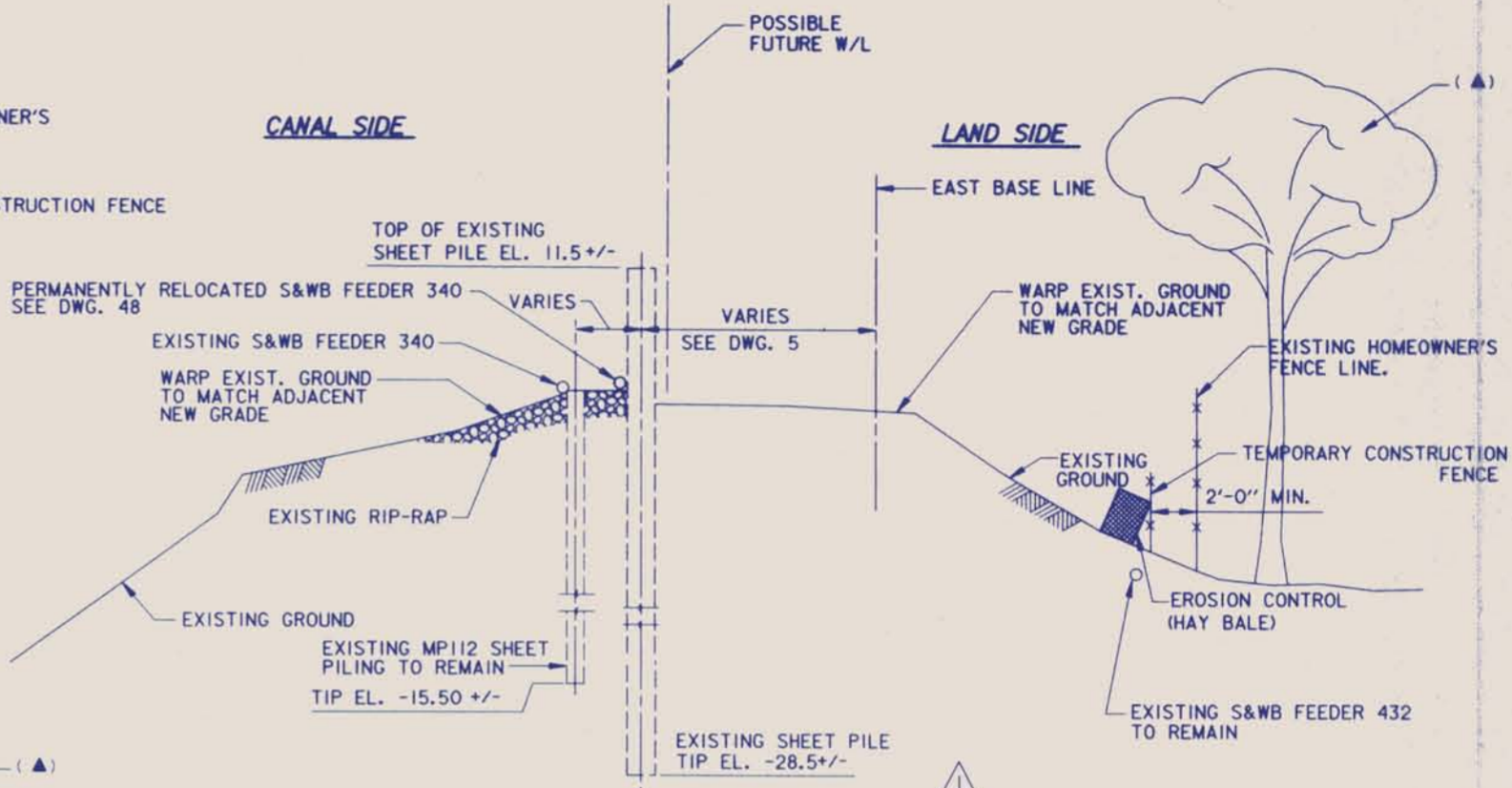
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Safety is a Part of Your Contract

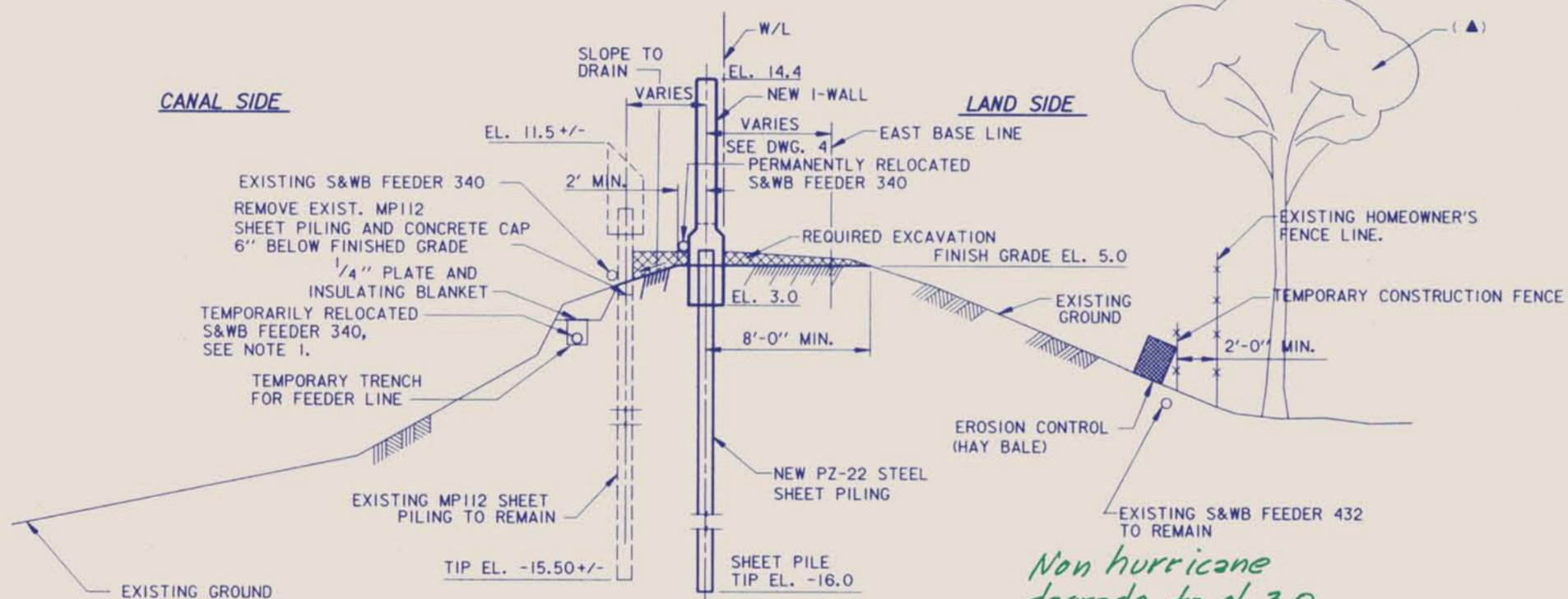
Degrade any time - el. 3.0'
 69+15 TO 73+00
 85+20 TO 100+00



STA. 70+26.77 TO STA. 72+95.00 EB/L
 SCALE: 1/4" = 1'-0"

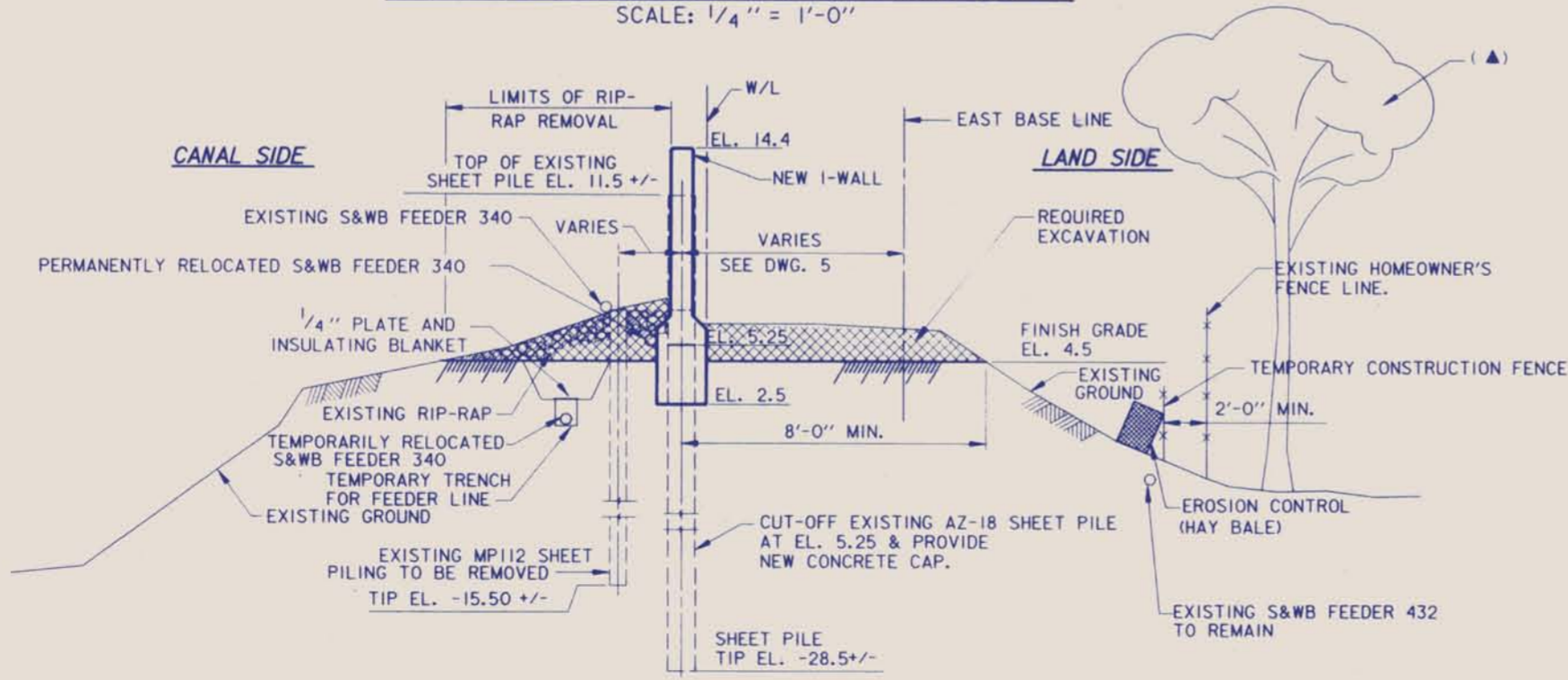


STA. 99+69.22 TO STA. 99+91.07 EB/L
 SCALE: 1/4" = 1'-0"



STA. 72+95.00 TO STA. 84+31.10 EB/L
 SCALE: 1/4" = 1'-0"

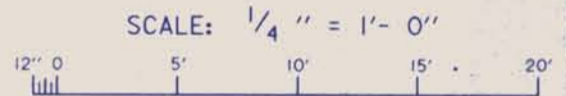
Non hurricane degrade to el. 3.0



STA. 85+54.63 TO STA. 99+69.22 EB/L
 SCALE: 1/4" = 1'-0"

(▲) THE CONTRACTOR SHALL TRIM THE TREE LIMBS TO A MINIMUM WITHIN THE CONSTRUCTION SERVITUDE LINE, NECESSARY FOR MAINTAINING MINIMUM CLEARANCE FOR CONSTRUCTION.

THIS PLAN ACCOMPANIES MODIFICATION A00002 TO CONTRACT NUMBER DACW29-94-C-0079



NOTE: PROVIDE MINIMUM 2' DEEP TRENCH TO TEMPORARILY RELOCATE FEEDER LINES.

- NOTES:
1. TEMPORARILY RELOCATE FEEDER 340 BY DIGGING A TRENCH, COVERING WITH A STEEL PLATE AND LEVEE MATERIAL. AFTER THE CONCRETE CAP IS REMOVED FROM THE SHEET PILE, FEEDER 340 SHALL BE REMOVED FROM THE TEMPORARY TRENCH AND ATTACHED TO THE NEW FLOODWALL.
 2. EXISTING FEEDER 340 CONSISTS OF A THREE (3) CONDUCTOR STEEL ARMORED SUBMARINE 400 MCM COPPER, RUBBER INSULATED, LEAD COVERED 15 KV POWER CABLE.
 3. FOR FEEDER 340 RELOCATION DETAILS, SEE DWGS. 46-48.
 4. FOR PLAN, SEE DWGS. 4 THRU 7.
 5. FOR PROFILES, SEE DWGS. 12 THRU 14.
 6. FOR GENERAL NOTES, SEE DWG. 2.
 7. FOR FRACTURED FIN TEXTURE DETAILS, SEE DWGS 31, 32 & 32a.

REVISIONS	DATE	APPROVED

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

BURK - KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 NEW ORLEANS, LOUISIANA

GOTECH, INC.
 CONSULTING ENGINEERS
 BATON ROUGE, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN

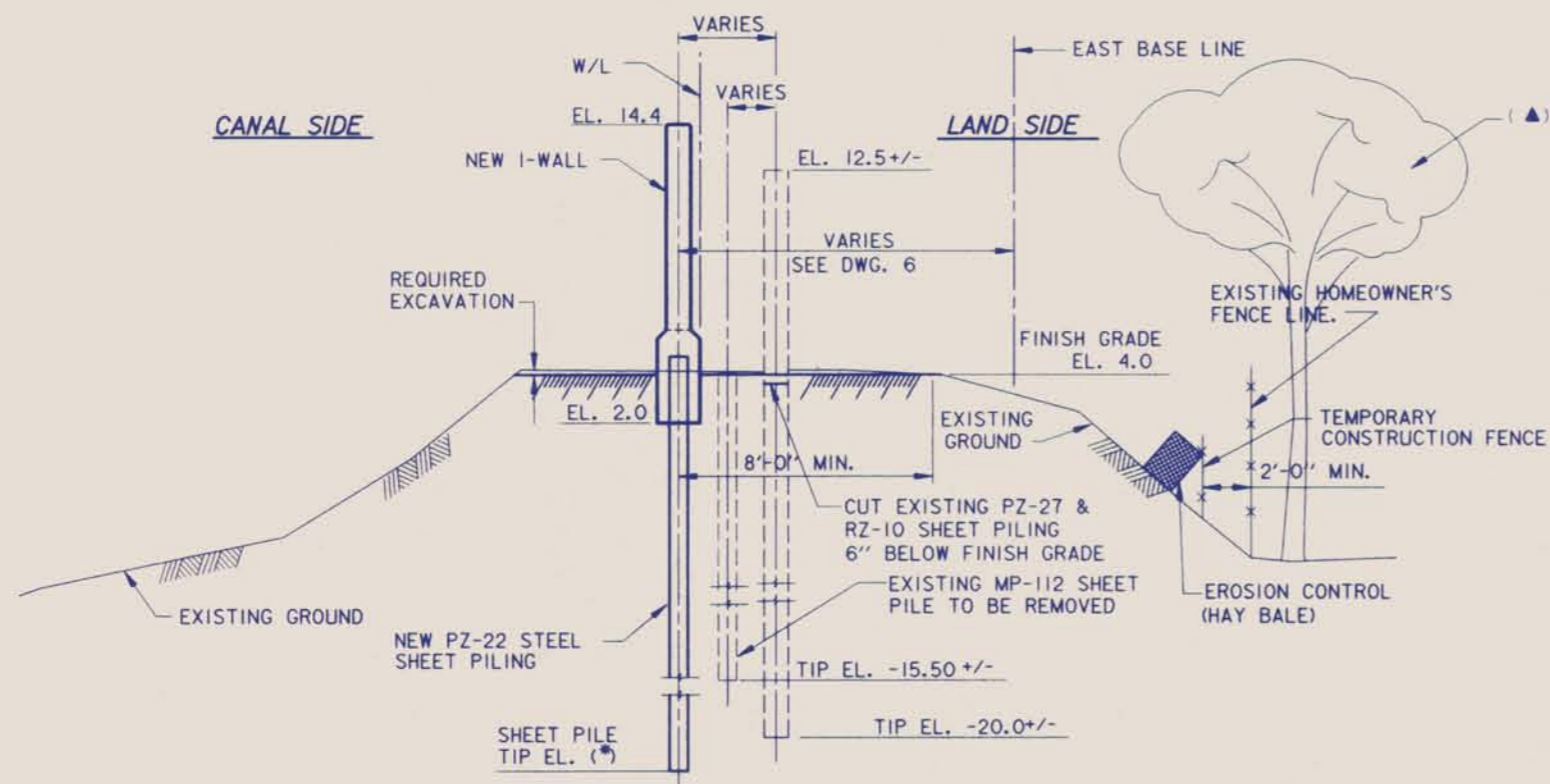
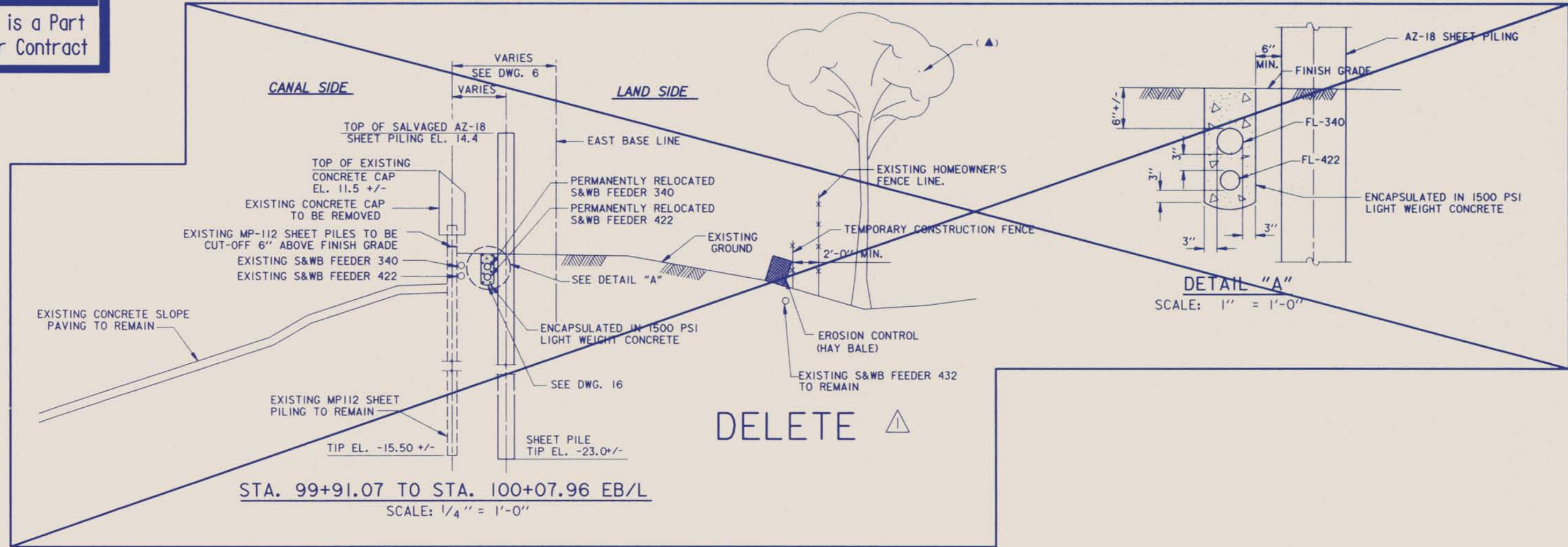
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
 MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK
 MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
 ORLEANS PARISH, LOUISIANA

TYPICAL SECTIONS
 EAST SIDE

DESIGNED BY: R. CHOPIN	DATE: 03/94	PLOT SCALE: 48	PLOT DATE: 12/5/95
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029915.DWG	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 15 OF 73	

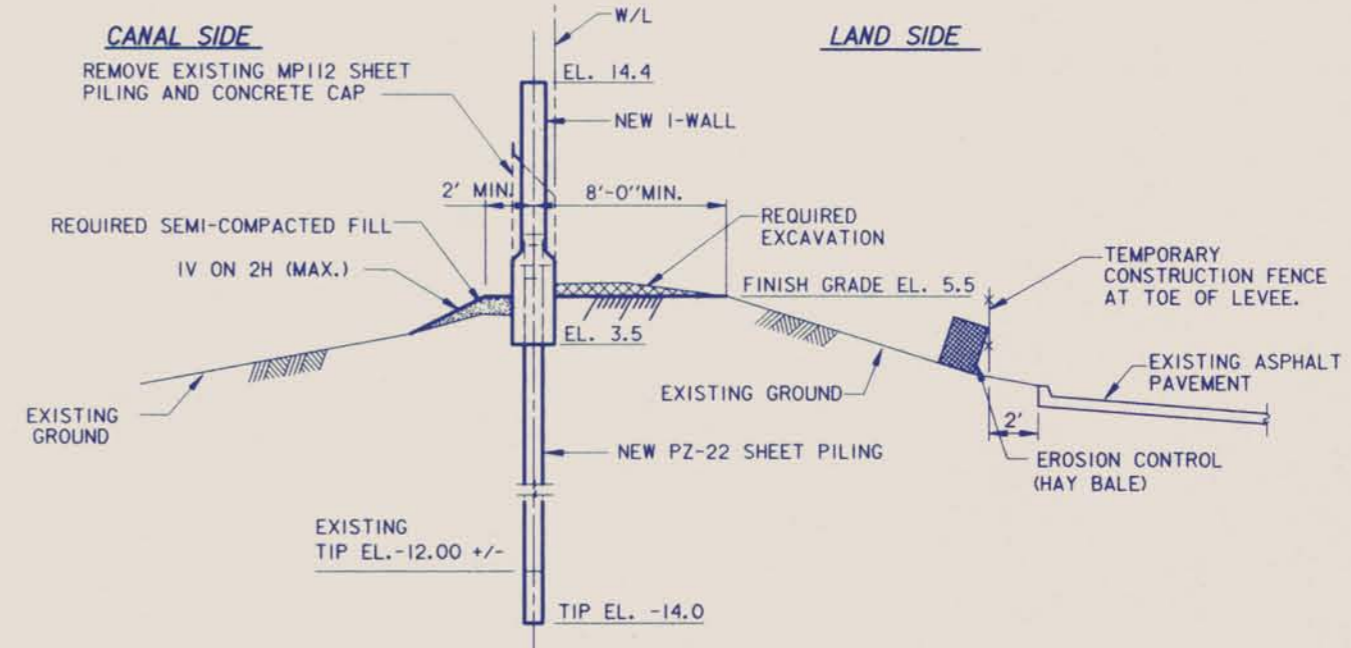


Safety is a Part of Your Contract



Non-hurricane degrade to el. 3.0

(*) TIP EL. -20.00 FROM STA. 102+67.72 TO STA. 115+00.00
(*) TIP EL. -22.00 FROM STA. 115+00.00 TO STA. 119+03.33



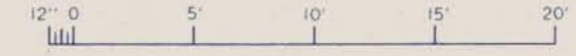
Non-hurricane degrade to el. 4.0

NOTES :

1. TEMPORARILY RELOCATE FEEDER 340 BY DIGGING A TRENCH, COVERING WITH A STEEL PLATE AND LEVEE MATERIAL. AFTER THE CONCRETE CAP IS REMOVED FROM THE SHEET PILE, FEEDER 340 SHALL BE REMOVED FROM THE TEMPORARY TRENCH AND ATTACHED TO THE NEW FLOODWALL.
2. EXISTING FEEDER 340 CONSISTS OF A THREE (3) CONDUCTOR STEEL ARMORED SUBMARINE 400 MCM COPPER, RUBBER INSULATED, LEAD COVERED 15 KV POWER CABLE.
3. EXISTING FEEDER 422 CONSISTS OF A THREE (3) CONDUCTOR STEEL ARMORED SUBMARINE NO.4 AWG COPPER, RUBBER INSULATED, LEAD COVERED 15 KV POWER CABLE.
4. FOR FEEDERS 340 & 422 RELOCATION DETAILS, SEE DWGS. 46-48.
5. FOR PLAN, SEE DWGS. 4 THRU 7.
6. FOR PROFILES, SEE DWGS. 12 THRU 14.
7. FOR GENERAL NOTES, SEE DWG. 2.
8. FOR FENCE DETAILS, SEE DWG. 61
9. FOR FRACTURED FIN TEXTURE DETAILS, SEE DWGS 31 ,32 & 32a.

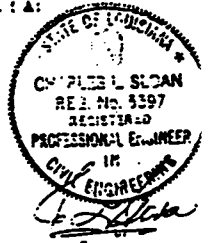
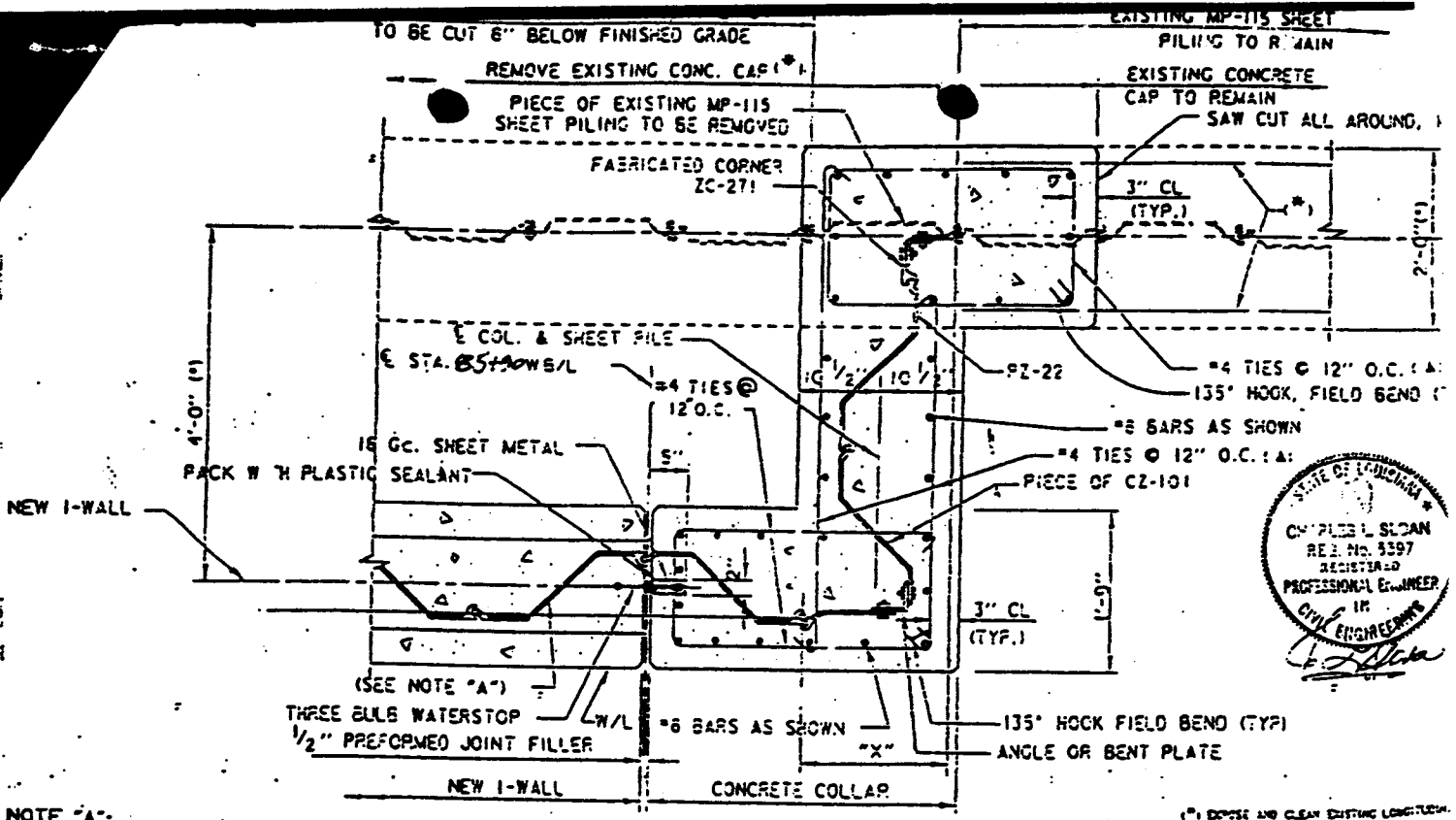
THIS PLAN ACCOMPANIES MODIFICATION A00002 TO CONTRACT NUMBER DACW29-94-C-0079

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



U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
TYPICAL SECTIONS EAST SIDE			
DESIGNED BY: R. CHOPIN	DATE: 03/94	PLOT SCALE: 48	PLOT DATE: 12/5/95
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029516.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047		DWG. 16 OF 73

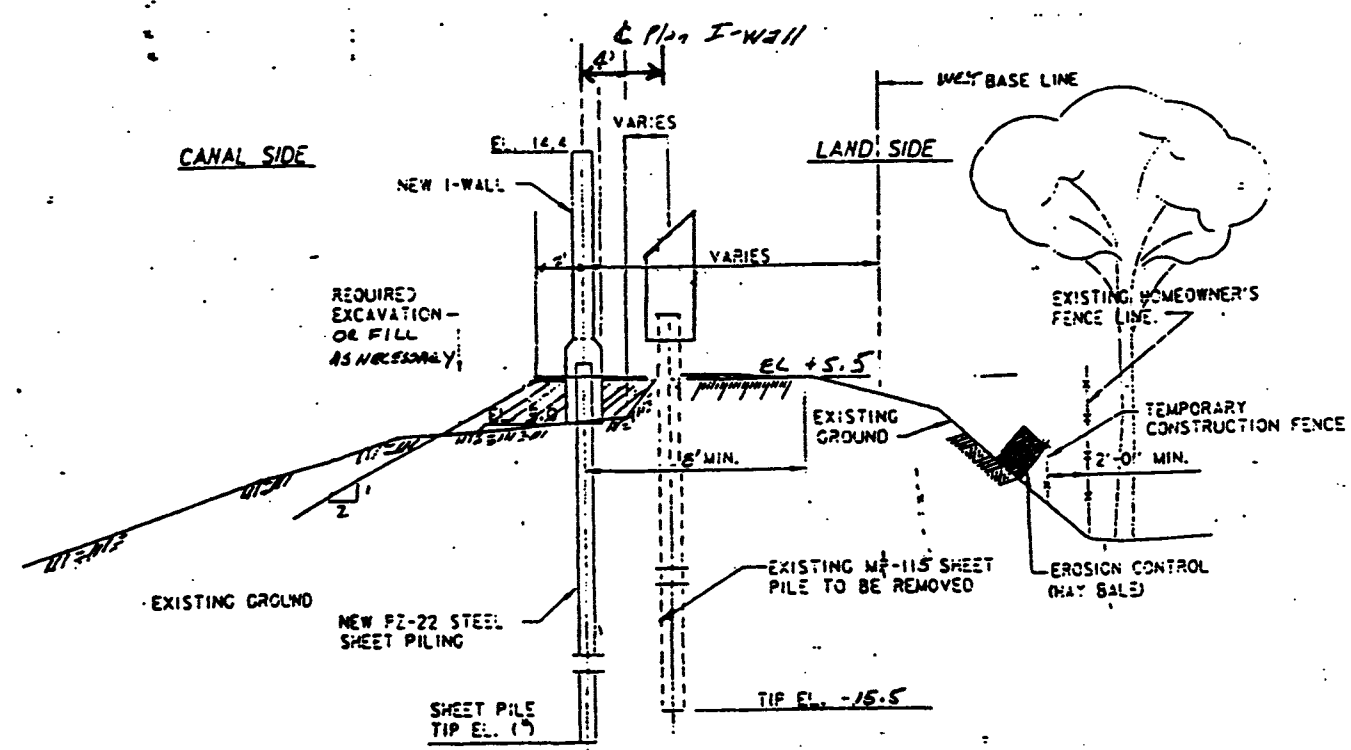




NOTE "A":
 COLLAR TO INCLUDE AT LEAST ONE C2 101 SO THAT WHEN COLLAR IS REMOVED FOR FUTURE I-WALL THERE IS A SHEET PILE TO INTERLOCK FUTURE SHEET PILING TO EXISTING SHEET PILING.

CANAL SIDE
PLAN AT ELEVATION

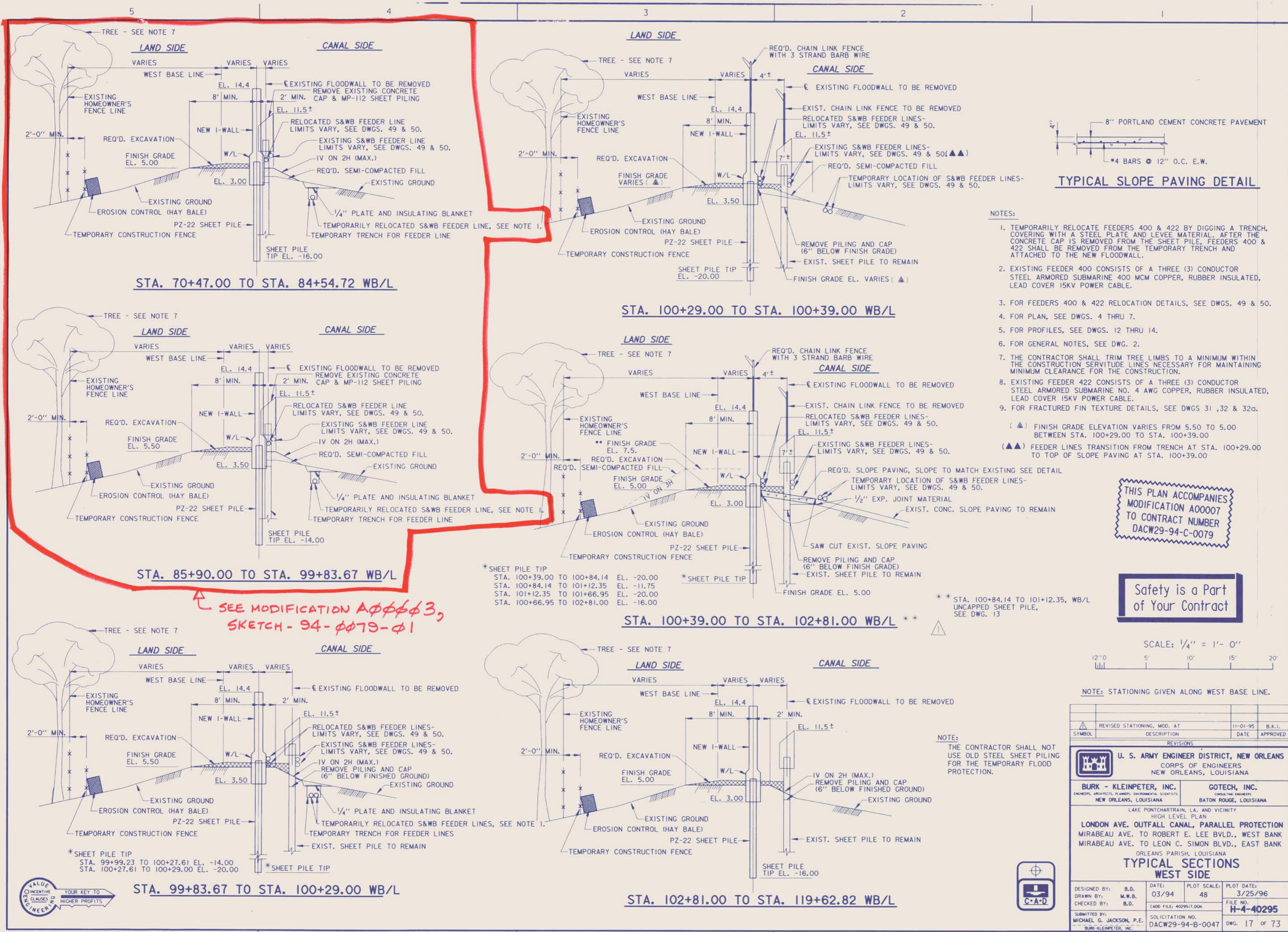
- (1) DISPOSE AND CLEAN EXISTING LONGITUDINAL AND EXISTING THESE REMAINS 1'-6" INTO THE NEW CONCRETE COLLAR.
- (2) ALL TIES ARE TO BE FIELD BEND.
- (3) #6 BARS TO LAP #6 BARS AS SHOWN IN PLAN AT EL. 5.50



(1) TIP EL. - 14.0 FROM STA. 85+90 TO STA. 99+83.67 W/L
 STA 70+47 TO STA 85+54.77 W/D/L
 STA 85+90 TO STA 99+83.67 W/D/L

SK-94-0079-01

MOD #
 A00003



STA. 70+47.00 TO STA. 84+54.72 WB/L

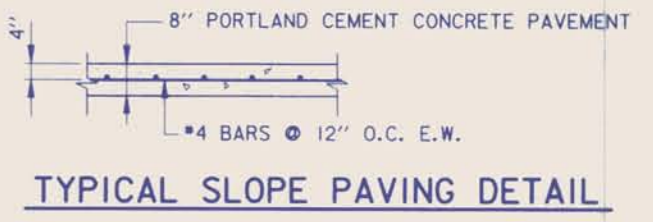
STA. 100+29.00 TO STA. 100+39.00 WB/L

STA. 85+90.00 TO STA. 99+83.67 WB/L

STA. 100+39.00 TO STA. 102+81.00 WB/L

STA. 99+83.67 TO STA. 100+29.00 WB/L

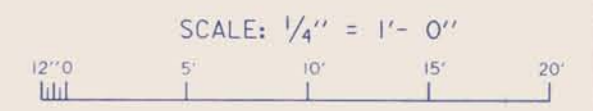
STA. 102+81.00 TO STA. 119+62.82 WB/L



- NOTES:
- TEMPORARILY RELOCATE FEEDERS 400 & 422 BY DIGGING A TRENCH, COVERING WITH A STEEL PLATE AND LEVEE MATERIAL. AFTER THE CONCRETE CAP IS REMOVED FROM THE SHEET PILE, FEEDERS 400 & 422 SHALL BE REMOVED FROM THE TEMPORARY TRENCH AND ATTACHED TO THE NEW FLOODWALL.
 - EXISTING FEEDER 400 CONSISTS OF A THREE (3) CONDUCTOR STEEL ARMORED SUBMARINE 400 MCM COPPER, RUBBER INSULATED, LEAD COVER 15KV POWER CABLE.
 - FOR FEEDERS 400 & 422 RELOCATION DETAILS, SEE DWGS. 49 & 50.
 - FOR PLAN, SEE DWGS. 4 THRU 7.
 - FOR PROFILES, SEE DWGS. 12 THRU 14.
 - FOR GENERAL NOTES, SEE DWG. 2.
 - THE CONTRACTOR SHALL TRIM TREE LIMBS TO A MINIMUM WITHIN THE CONSTRUCTION SERVIDUTE LINES NECESSARY FOR MAINTAINING MINIMUM CLEARANCE FOR THE CONSTRUCTION.
 - EXISTING FEEDER 422 CONSISTS OF A THREE (3) CONDUCTOR STEEL ARMORED SUBMARINE NO. 4 AWG COPPER, RUBBER INSULATED, LEAD COVER 15KV POWER CABLE.
 - FOR FRACTURED FIN TEXTURE DETAILS, SEE DWGS 31, 32 & 32g.
- (▲) FINISH GRADE ELEVATION VARIES FROM 5.50 TO 5.00 BETWEEN STA. 100+29.00 TO STA. 100+39.00
 (▲▲) FEEDER LINES TRANSITION FROM TRENCH AT STA. 100+29.00 TO TOP OF SLOPE PAVING AT STA. 100+39.00

THIS PLAN ACCOMPANIES
 MODIFICATION A00007
 TO CONTRACT NUMBER
 DACW29-94-C-0079

Safety is a Part
 of Your Contract



NOTE: STATIONING GIVEN ALONG WEST BASE LINE.

SYMBOL	DESCRIPTION	DATE	APPROVED
△	REVISED STATIONING, MOD. A7	11-01-95	B.K.L.

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

BURK - KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 NEW ORLEANS, LOUISIANA

GOTECH, INC.
 CONSULTING ENGINEERS
 BATON ROUGE, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
 MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
 MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
 ORLEANS PARISH, LOUISIANA

TYPICAL SECTIONS
 WEST SIDE

DESIGNED BY: B.D.	DATE: 03/94	PLOT SCALE: 48	PLOT DATE: 3/25/96
DRAWN BY: M.W.B.	CADD FILE: 402951.DGN	FILE NO. H-4-40295	
CHECKED BY: B.D.	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 17 OF 73
BURK-KLEINPETER, INC.			



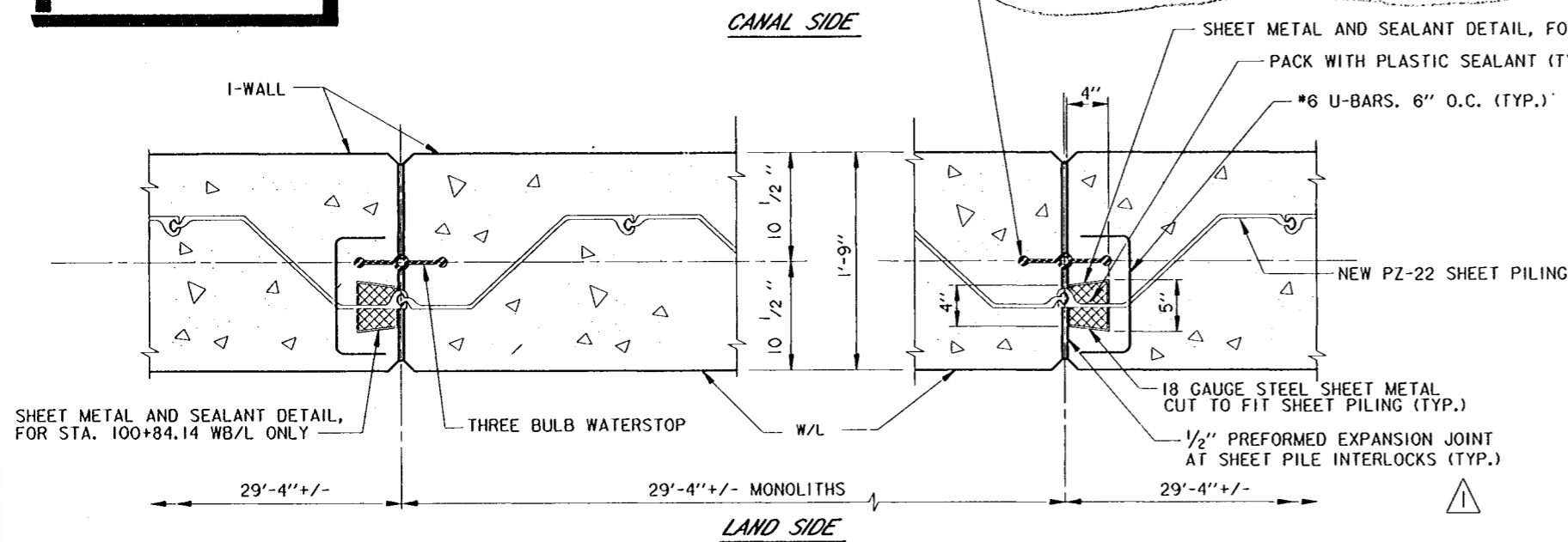
SEE MODIFICATION A00003,
 SKETCH - 94-0079-01

STA. 100+84.14 TO 101+12.35, WB/L
 UNCAPPED SHEET PILE,
 SEE DWG. 13

NOTE:
 THE CONTRACTOR SHALL NOT
 USE OLD STEEL SHEET PILING
 FOR THE TEMPORARY FLOOD
 PROTECTION.

Safety is a Part of Your Contract

PROVIDE NEOPRENE RUBBER SHEETING FOR PROTECTION OF THREE BULB WATERSTOP AT STA. 100+84.14 WB/L AND STA. 101+12.35 WB/L. DETAILS SIMILAR TO THAT SHOWN IN PLAN AND ELEVATION ON DWG. 23, FOR JOINT AT STA. 99+69.22 EB/L.

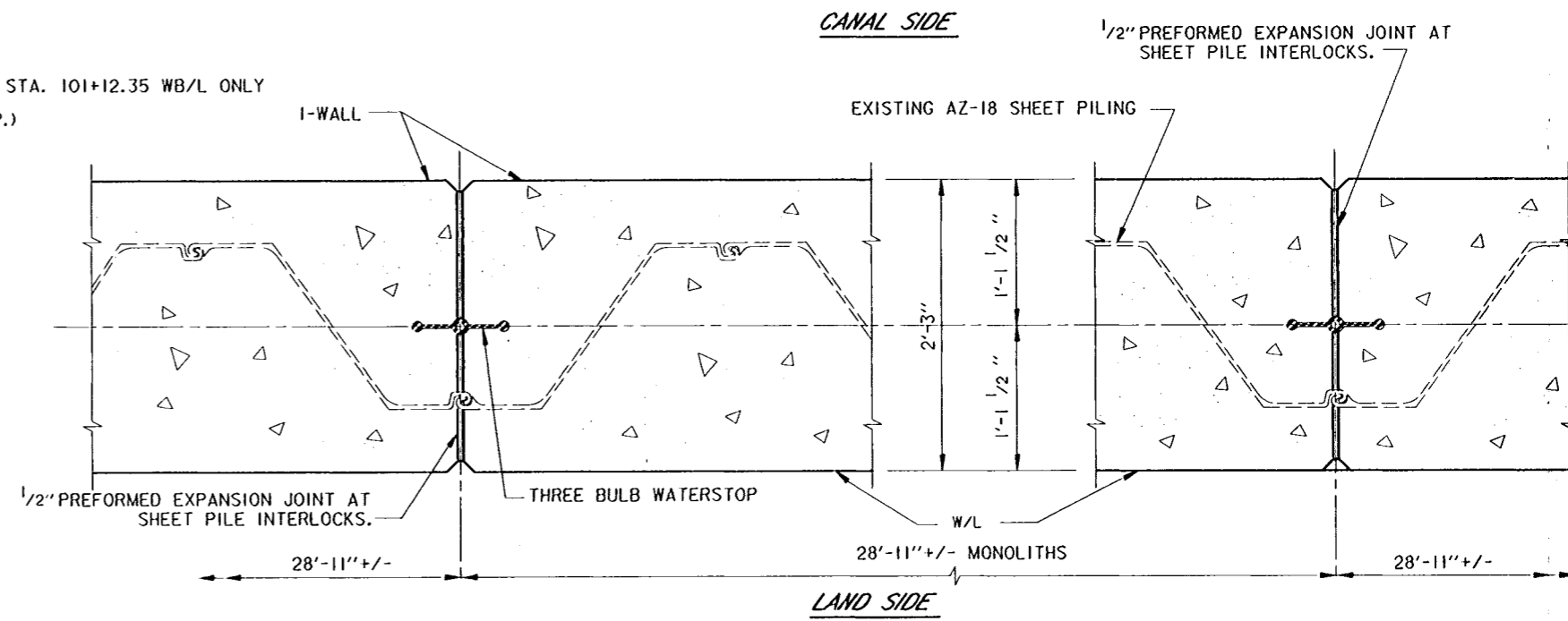


TYPICAL MONOLITH AT NEW PZ-22 SHEET PILE INTERLOCKS

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

NOTE:

I-WALL MONOLITHS WITH PZ-22 SHEET PILING SHALL BE 29'-4" +/- UNLESS OTHERWISE INDICATED ON THE PROFILE. EACH MONOLITH SHALL END AT THE CENTER OF THE NEAREST SHEET PILE INTERLOCK.

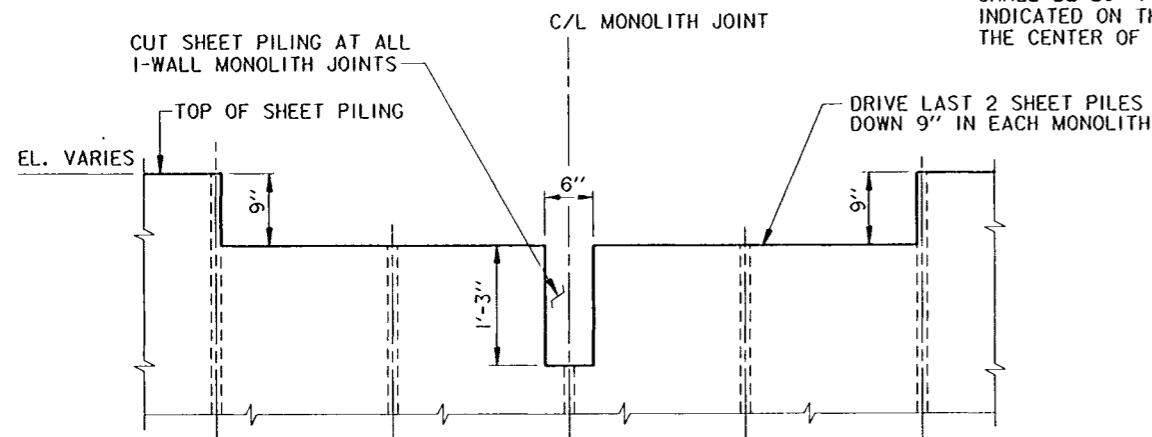


TYPICAL MONOLITH AT EXISTING AZ-18 SHEET PILE INTERLOCKS

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

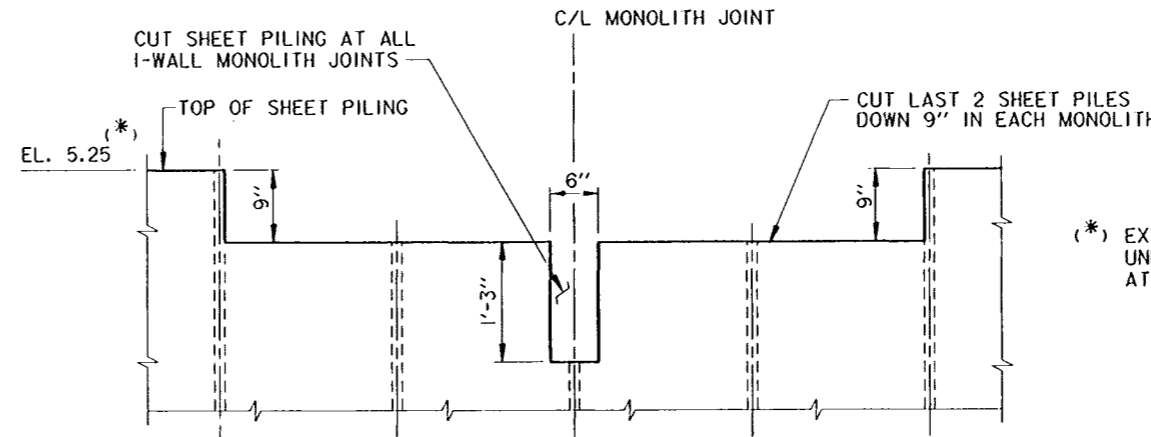
NOTE:

I-WALL MONOLITHS WITH EXISTING AZ-18 SHEET PILING SHALL BE 28'-11" +/- UNLESS OTHERWISE INDICATED ON THE PROFILE. EACH MONOLITH SHALL END AT THE CENTER OF THE NEAREST SHEET PILE INTERLOCK.



PZ-22 SHEET PILING DETAILS I-WALL MONOLITH JOINTS

SCALE: 1" = 1' - 0"



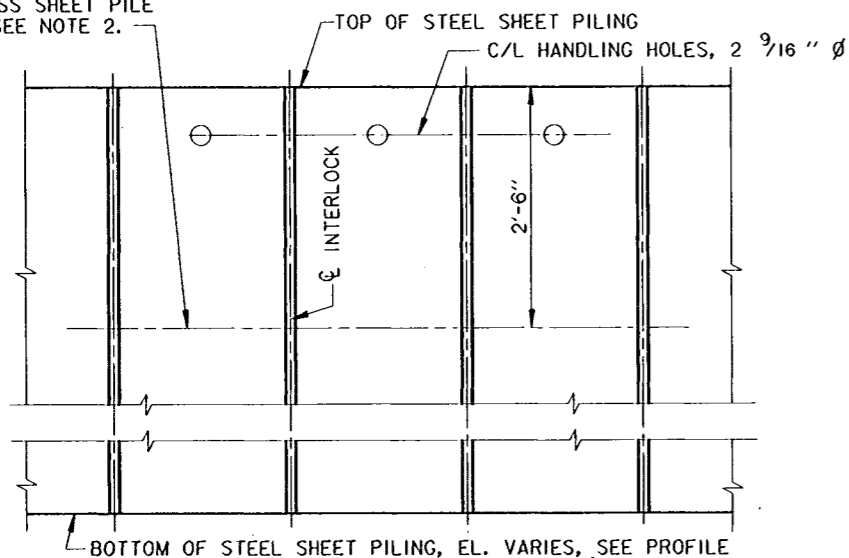
EXISTING AZ-18 SHEET PILING DETAILS I-WALL MONOLITH JOINTS

SCALE: 1" = 1' - 0"

(* EXISTING AZ-18 SHEET PILING TO BE USED UNDER THE NEW I-WALL IS TO BE CUT OFF AT EL. 5.25

THIS PLAN ACCOMPANIES MODIFICATION A00007 TO CONTRACT NUMBER DACW29-94-C-0079

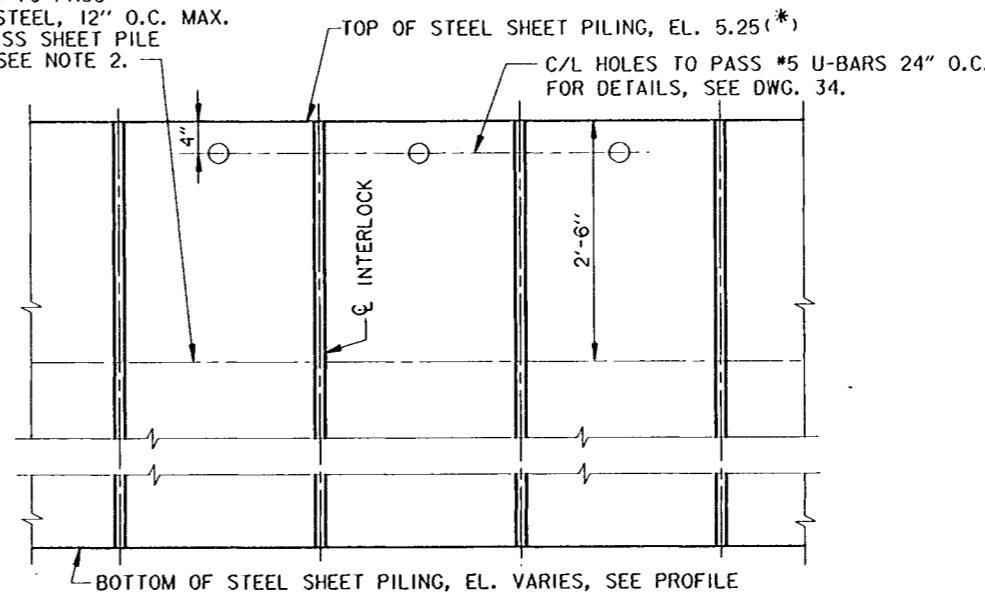
C/L OF HOLES TO PASS REINFORCING STEEL, 9" O.C. MAX. SPACED TO MISS SHEET PILE INTERLOCKS, SEE NOTE 2.



DETAILS OF HOLES IN PZ-22 SHEET PILING

SCALE: 1" = 1' - 0"

C/L OF HOLES TO PASS REINFORCING STEEL, 12" O.C. MAX. SPACED TO MISS SHEET PILE INTERLOCKS, SEE NOTE 2.



DETAILS OF HOLES IN EXISTING AZ-18 SHEET PILING

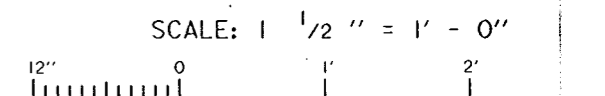
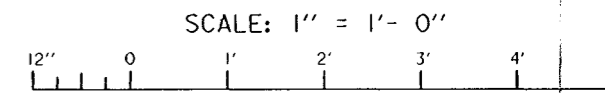
SCALE: 1" = 1' - 0"

SHEET PILE NOTES

1. A MINIMUM OF 6 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. MONOLITH JOINTS SHALL BE LOCATED A MINIMUM OF 5' FROM POINTS OF INTERSECTION.
4. FABRICATED CONNECTIONS SHALL BE FASTENED WITH 1/8" Ø HIGH-STRENGTH BOLTS LOCATED ON 6" CENTERS FOR THE LENGTH OF THE SECTION EXCEPT FOR 2 FEET AT EACH END WHERE THEY SHALL BE LOCATED ON 3" CENTERS.
5. BENT CORNER STEEL SHEET PILE PLATES SHALL HAVE A MINIMUM THICKNESS OF 1/2"
6. ANY SUBSTITUTIONS SHALL BE SUBMITTED TO THE CONTRACTING OFFICER REPRESENTATIVE FOR APPROVAL.

NOTES:

1. FOR GENERAL NOTES, SEE DWG. 2.
2. FOR CONCRETE NOTES, SEE DWG. 2.
3. FOR PROFILES, SEE DWGS. 12 THRU 14.
4. FOR TYPICAL JOINT DETAILS, SEE DWG. 36



SYMBOL	DESCRIPTION	DATE	APPROVED
Δ	REVISED DETAIL, MOD. A7	11-09-95	B.K.I.

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

BURK - KLEINPETER, INC.
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
ORLEANS PARISH, LOUISIANA

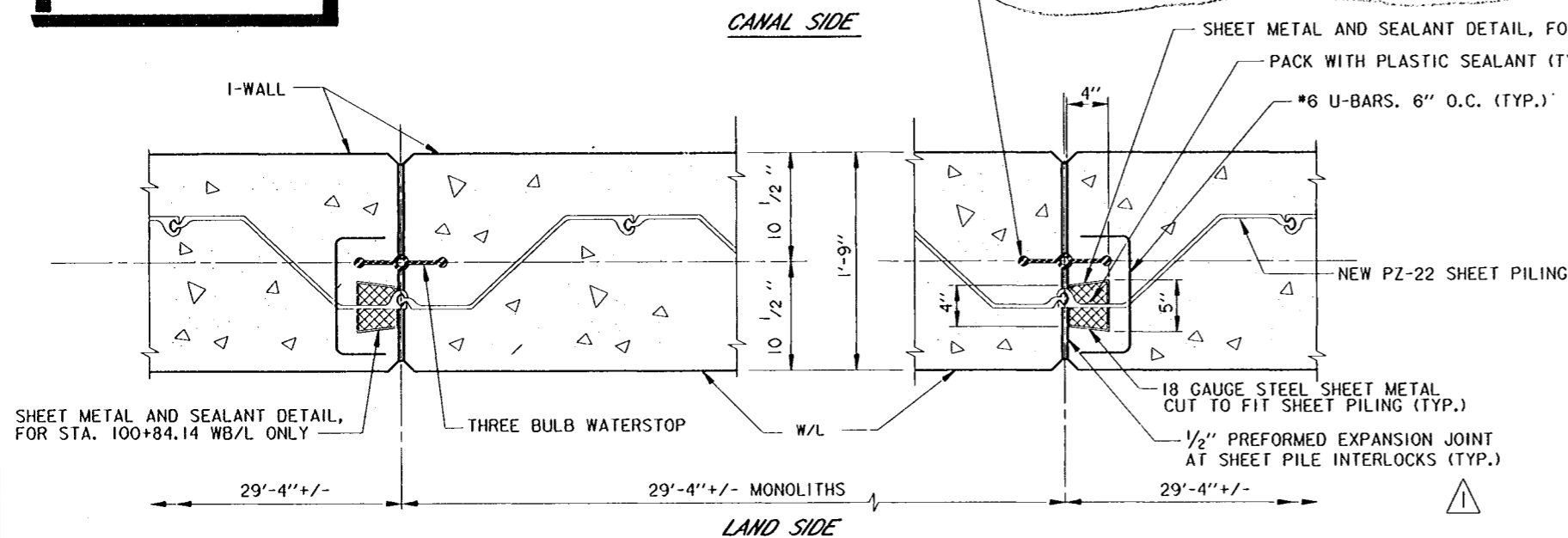
SHEET PILE DETAILS

DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 3/25/96
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029518.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 18 OF 73	



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PROVIDE NEOPRENE RUBBER SHEETING FOR PROTECTION OF THREE BULB WATERSTOP AT STA. 100+84.14 WB/L AND STA. 101+12.35 WB/L. DETAILS SIMILAR TO THAT SHOWN IN PLAN AND ELEVATION ON DWG. 23, FOR JOINT AT STA. 99+69.22 EB/L.

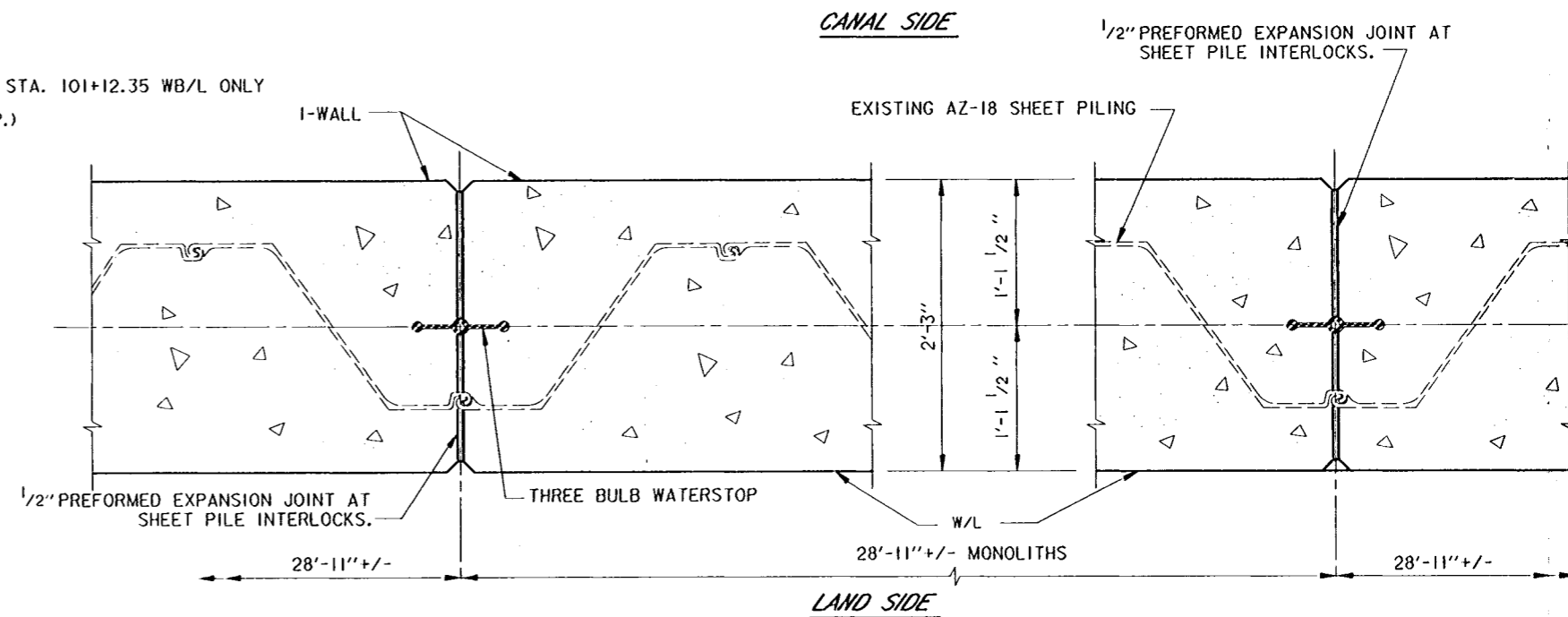


TYPICAL MONOLITH AT NEW PZ-22 SHEET PILE INTERLOCKS

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

NOTE:

I-WALL MONOLITHS WITH PZ-22 SHEET PILING SHALL BE 29'-4" +/- UNLESS OTHERWISE INDICATED ON THE PROFILE. EACH MONOLITH SHALL END AT THE CENTER OF THE NEAREST SHEET PILE INTERLOCK.

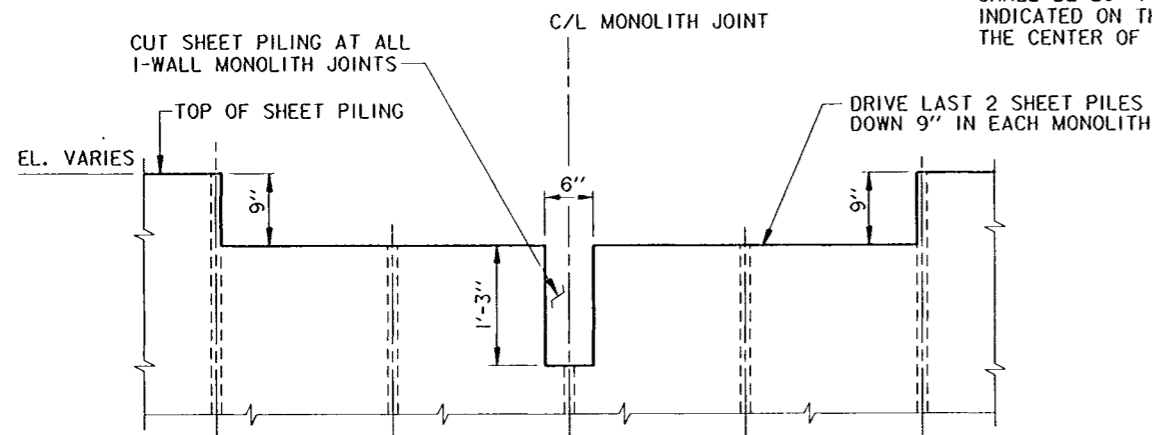


TYPICAL MONOLITH AT EXISTING AZ-18 SHEET PILE INTERLOCKS

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

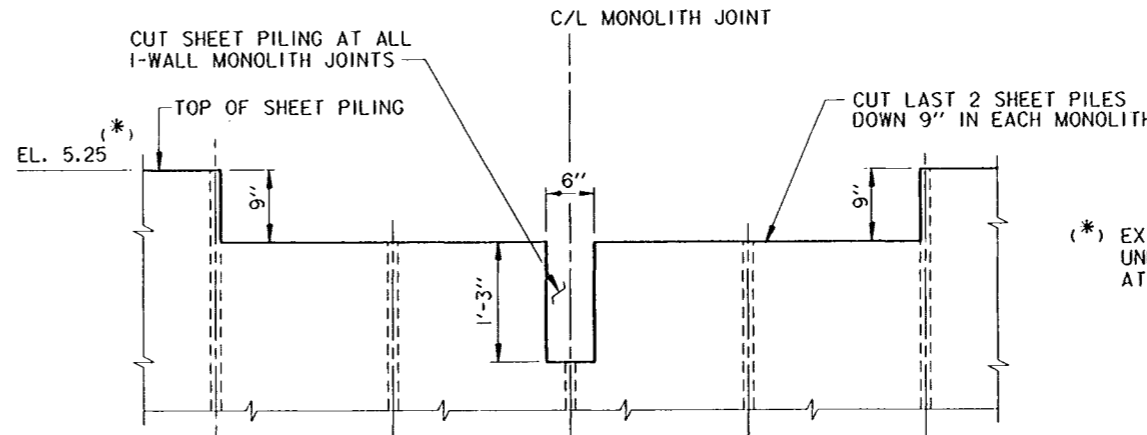
NOTE:

I-WALL MONOLITHS WITH EXISTING AZ-18 SHEET PILING SHALL BE 28'- 11" +/- UNLESS OTHERWISE INDICATED ON THE PROFILE. EACH MONOLITH SHALL END AT THE CENTER OF THE NEAREST SHEET PILE INTERLOCK.



**PZ-22 SHEET PILING DETAILS
I-WALL MONOLITH JOINTS**

SCALE: 1" = 1' - 0"



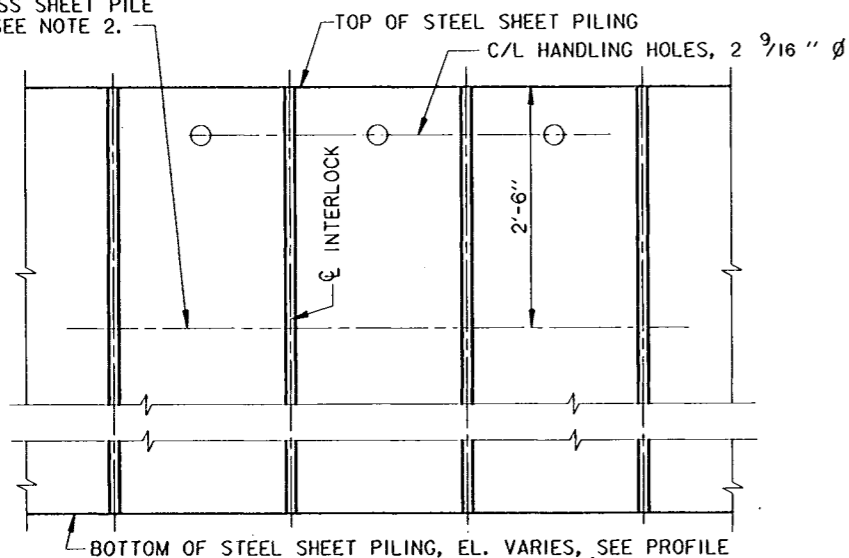
**EXISTING AZ-18 SHEET PILING DETAILS
I-WALL MONOLITH JOINTS**

SCALE: 1" = 1' - 0"

(* EXISTING AZ-18 SHEET PILING TO BE USED UNDER THE NEW I-WALL IS TO BE CUT OFF AT EL. 5.25

THIS PLAN ACCOMPANIES MODIFICATION A00007 TO CONTRACT NUMBER DACW29-94-C-0079

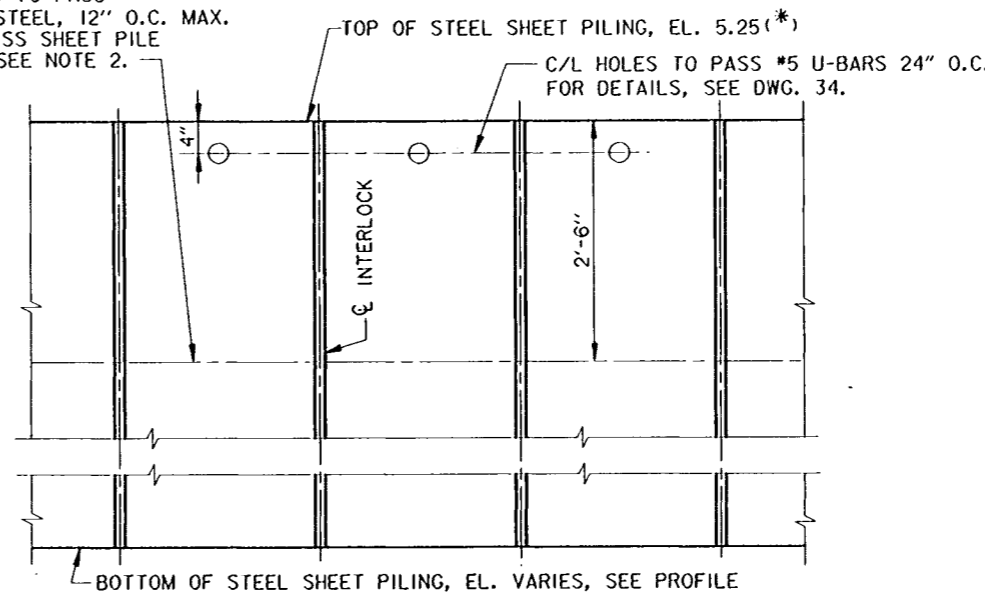
C/L OF HOLES TO PASS REINFORCING STEEL, 9" O.C. MAX. SPACED TO MISS SHEET PILE INTERLOCKS, SEE NOTE 2.



DETAILS OF HOLES IN PZ-22 SHEET PILING

SCALE: 1" = 1' - 0"

C/L OF HOLES TO PASS REINFORCING STEEL, 12" O.C. MAX. SPACED TO MISS SHEET PILE INTERLOCKS, SEE NOTE 2.



DETAILS OF HOLES IN EXISTING AZ-18 SHEET PILING

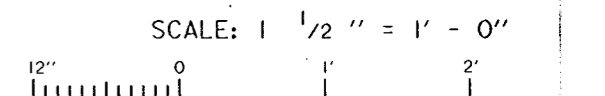
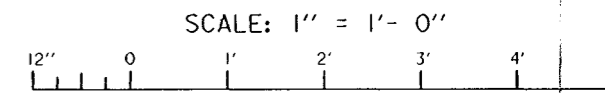
SCALE: 1" = 1' - 0"

SHEET PILE NOTES

1. A MINIMUM OF 6 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. MONOLITH JOINTS SHALL BE LOCATED A MINIMUM OF 5' FROM POINTS OF INTERSECTION.
4. FABRICATED CONNECTIONS SHALL BE FASTENED WITH 1/8" Ø HIGH-STRENGTH BOLTS LOCATED ON 6" CENTERS FOR THE LENGTH OF THE SECTION EXCEPT FOR 2 FEET AT EACH END WHERE THEY SHALL BE LOCATED ON 3" CENTERS.
5. BENT CORNER STEEL SHEET PILE PLATES SHALL HAVE A MINIMUM THICKNESS OF 1/2"
6. ANY SUBSTITUTIONS SHALL BE SUBMITTED TO THE CONTRACTING OFFICER REPRESENTATIVE FOR APPROVAL.

NOTES:

1. FOR GENERAL NOTES, SEE DWG. 2.
2. FOR CONCRETE NOTES, SEE DWG. 2.
3. FOR PROFILES, SEE DWGS. 12 THRU 14.
4. FOR TYPICAL JOINT DETAILS, SEE DWG. 36



SYMBOL	REVISIONS	DATE	APPROVED
Δ	REVISED DETAIL, MOD. A7	11-09-95	B.K.I.

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

BURK - KLEINPETER, INC.
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
ORLEANS PARISH, LOUISIANA

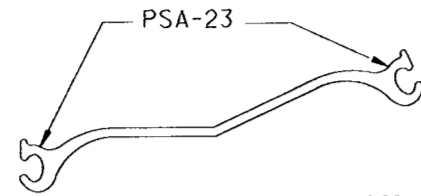
SHEET PILE DETAILS

DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 3/25/96
DRAWN BY: BINH LE	CADD FILE: 4029518.DGN	FILE NO. H-4-40295	
CHECKED BY: S.I. SHAH	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 18 OF 73



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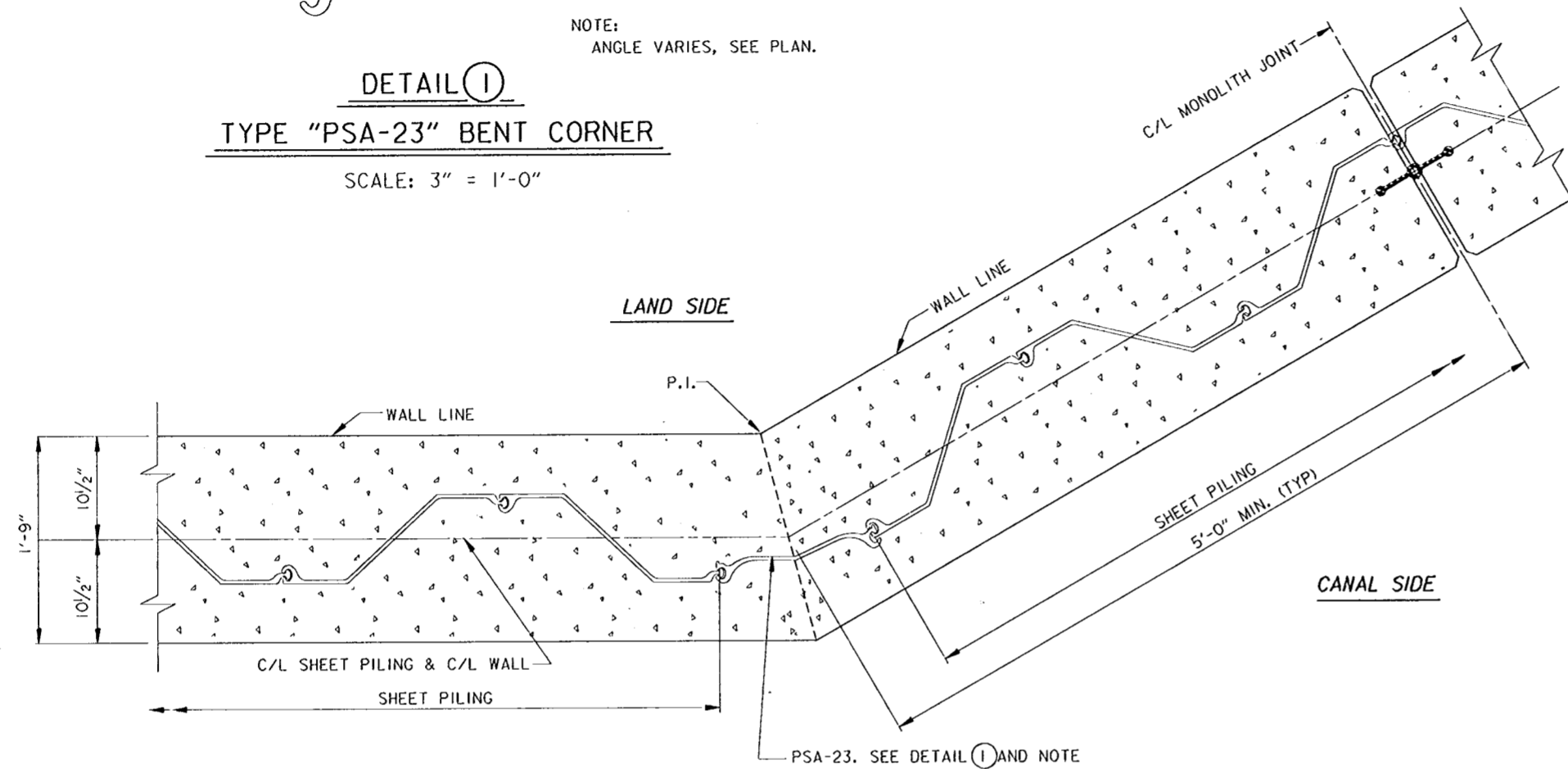
NOTE:
FOR OTHER SHEET PILE DETAILS, SHEET PILE NOTES & NOTES, SEE DWG. 18



NOTE:
ANGLE VARIES, SEE PLAN.

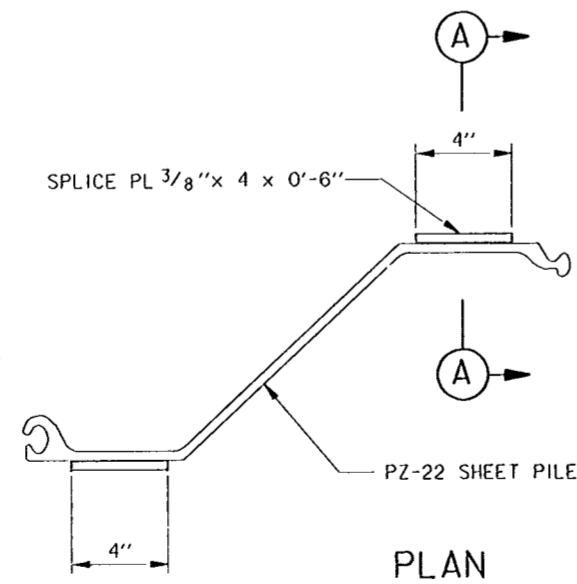
DETAIL ①
TYPE "PSA-23" BENT CORNER

SCALE: 3" = 1'-0"

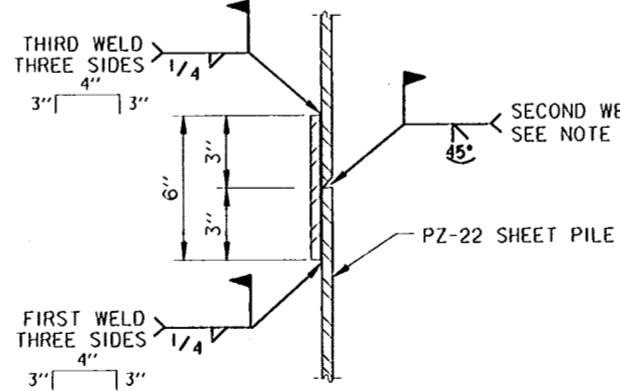


TYPICAL SHEET PILING LAYOUT AT POINT OF INTERSECTION

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

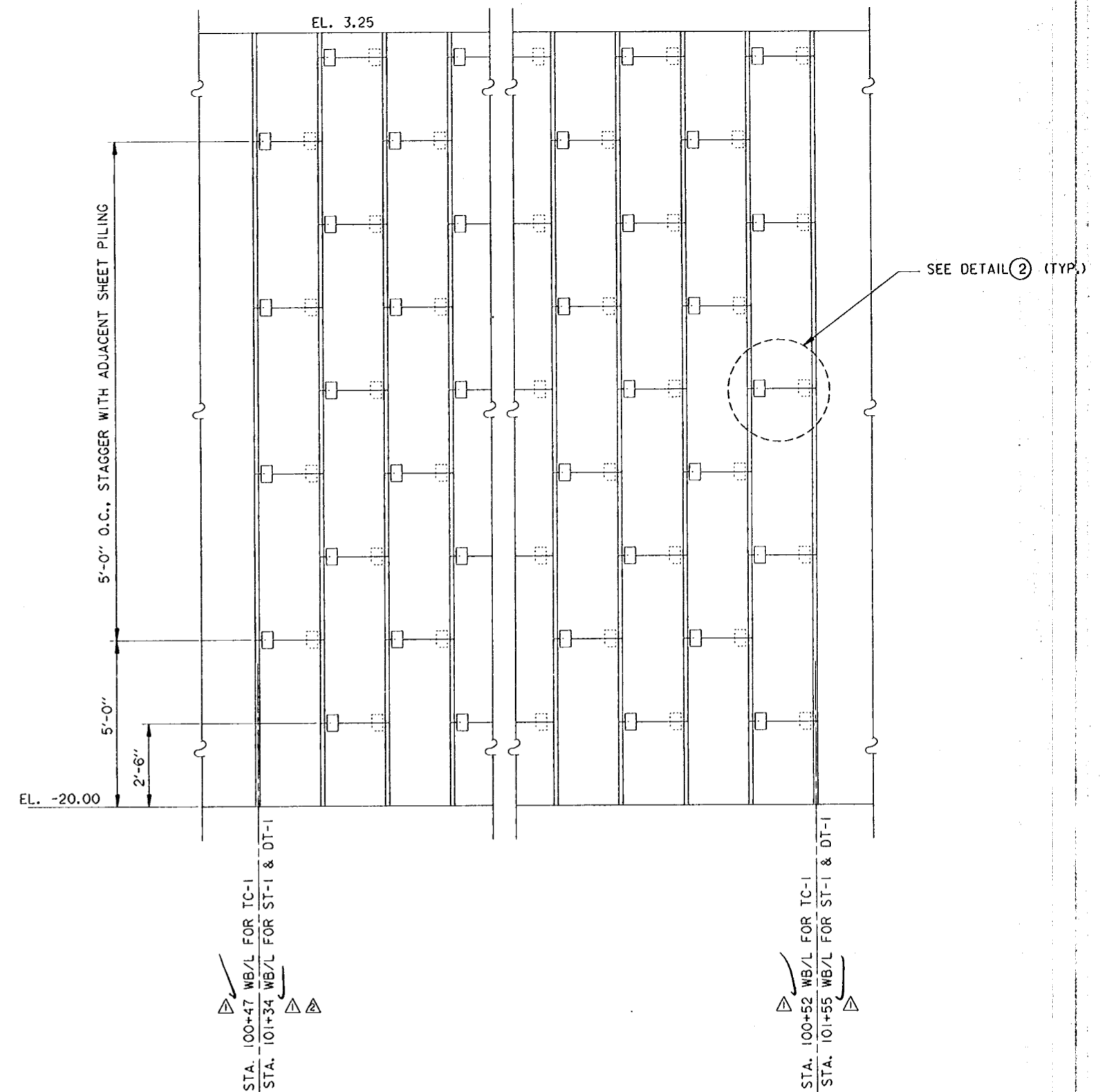


NOTE "A":
GROOVE WELD SHALL EXTEND THE FULL LENGTH OF THE SHEET PILE WEB AND FLANGES EXCLUDING THE INTERLOCKS.



DETAIL ②
SHEET PILE SPLICE

SCALE: 3" = 1'-0"

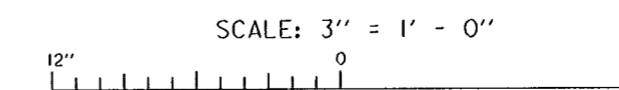
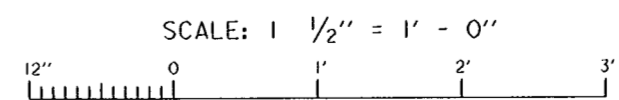
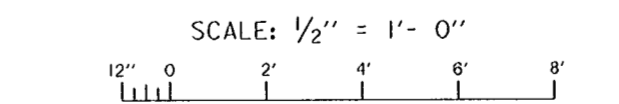


SHEET PILE SPLICE AT TC-1, ST-1 & DT-1

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

NOTE: SEE PROFILES FOR CONDUITS & PIPES ELEVATIONS.

TC-1 = 18-5" Ø TELEPHONE CONDUITS.
ST-1 = 10' Ø STEEL SIPHON TUBE.
DT-1 = 50" Ø STEEL DISCHARGE TUBE.



AMEND. NO.	DESCRIPTION	DATE	APPROVED
AMEND. NO. 2		10-4-94	B.K.I.
AMEND. NO. 1		10-4-94	B.K.I.

REVISIONS	
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA	GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA

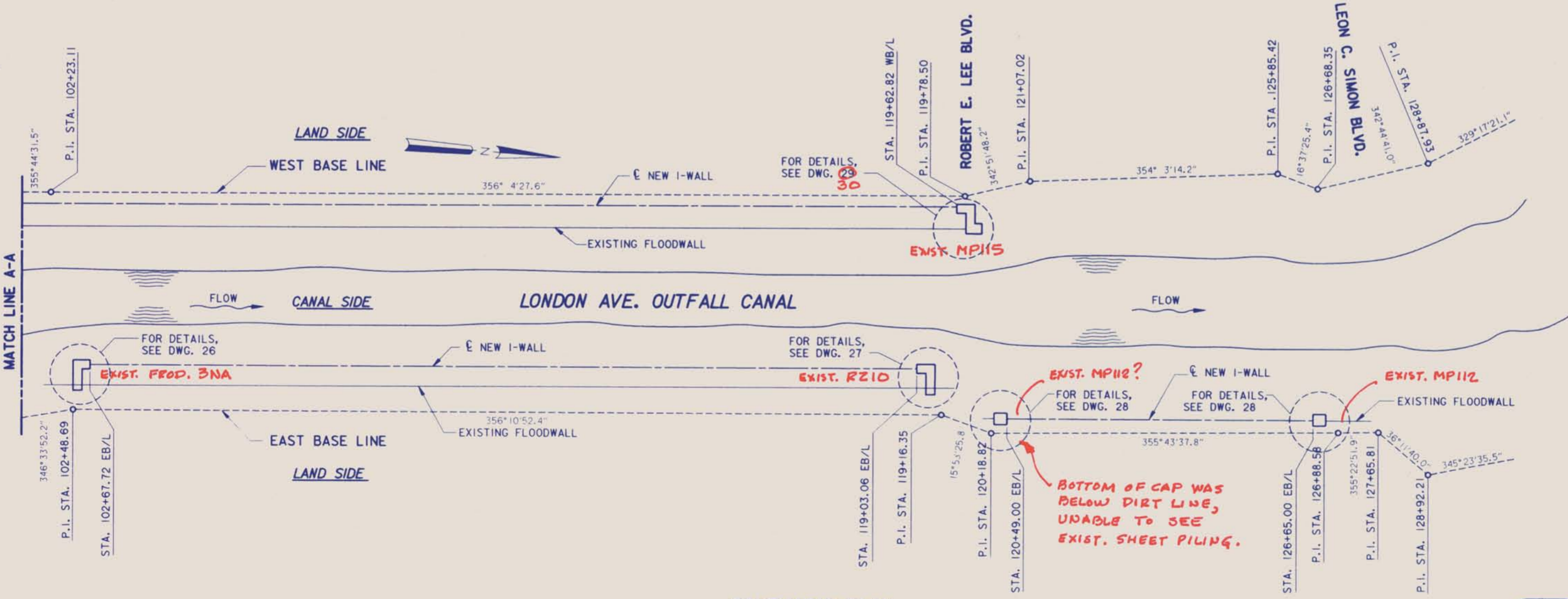
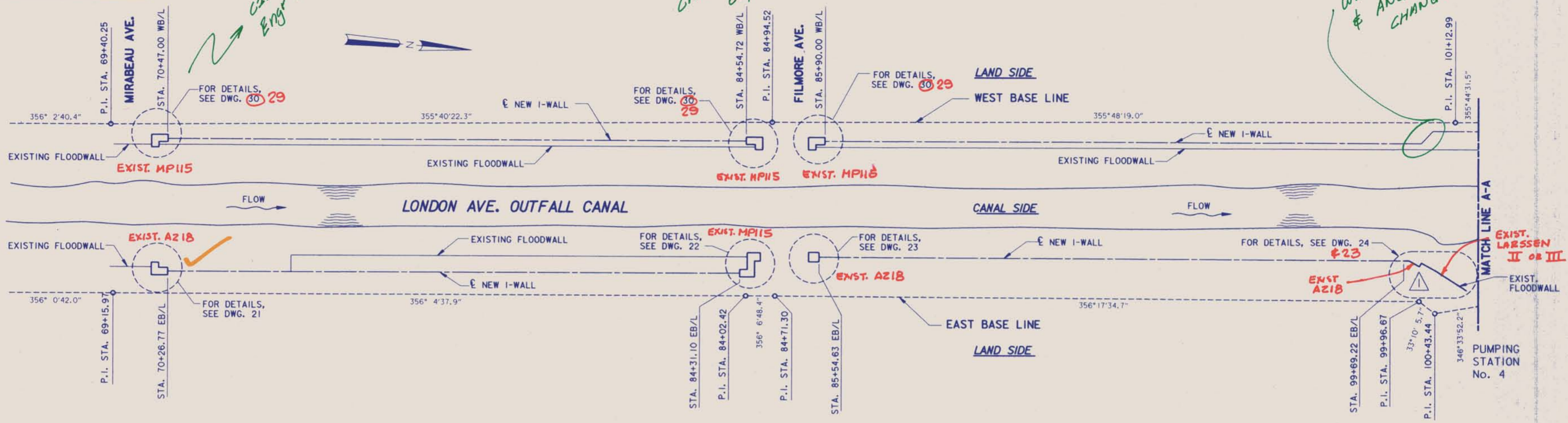
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 24	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CADD FILE: 4029519.DGN	FILE NO. H-4-40295	
CHECKED BY: S.I. SHAH	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 19 OF 73
BURK-KLEINPETER, INC.		BURK-KLEINPETER, INC.	

Safety is a Part of Your Contract

Call Eng Div

check fldwl cops

WALL STA. & ANGLE CHANGE

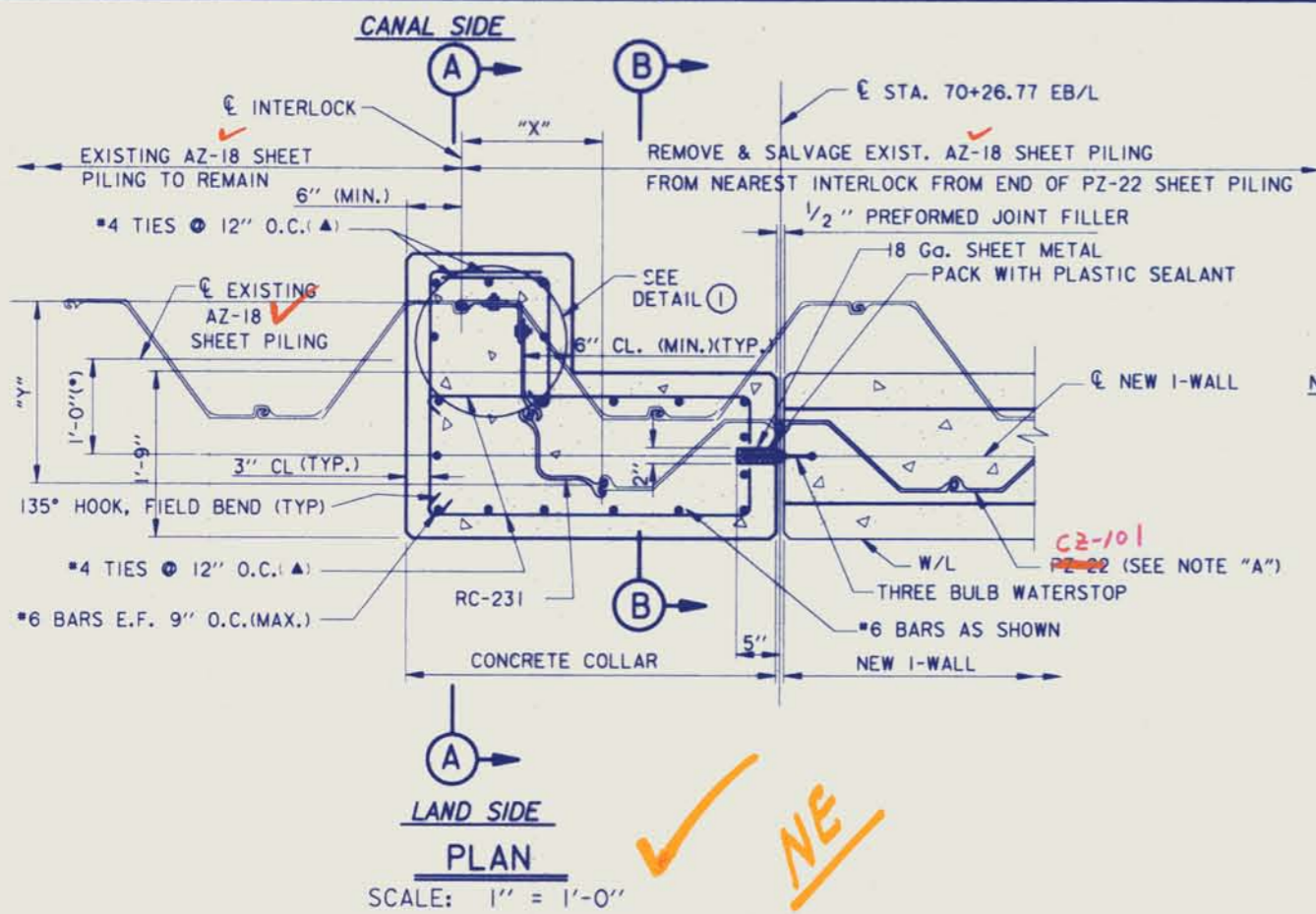


THIS PLAN ACCOMPANIES MODIFICATION A00002 TO CONTRACT NUMBER DACW29-94-C-0079

SCHMATIC PLAN
N.T.S.

DELETED NEW WALL BETWEEN 99+69.22 AND PS #4, MOD. A2	08/14/95	B.K.L.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA	GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA		
LOCATION OF EXISTING TO NEW I-WALL CONNECTION		
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E. BURK-KLEINPETER, INC.	SOLICITATION NO. DACW29-94-B-0047	DWG. 20 OF 73



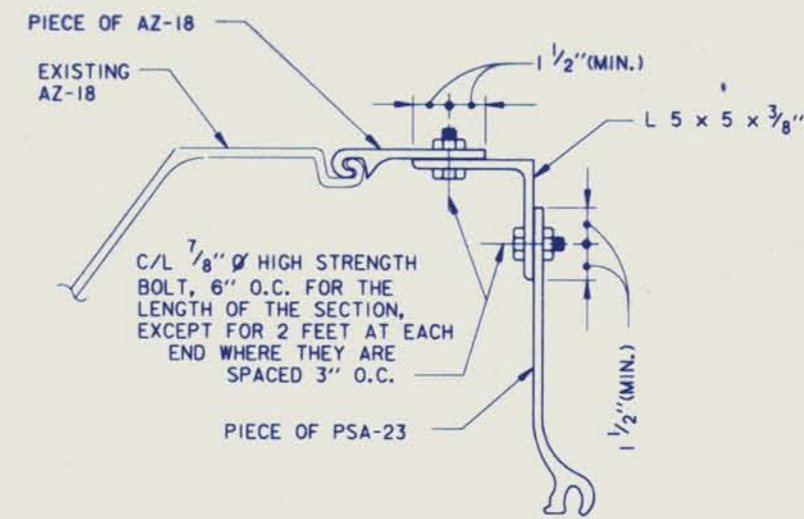


NOTE:
S&WB FEEDER LINE NOT SHOWN FOR CLARITY. FOR DETAILS, SEE DWGS. 46-48.

NOTE "A":
COLLAR TO INCLUDE AT LEAST ONE PZ-22 SO THAT WHEN COLLAR IS REMOVED FOR FUTURE I-WALL THERE IS A SHEET PILE TO INTERLOCK FUTURE SHEET PILING TO EXISTING SHEET PILING.

NOTE:
DIMENSION "X" AND "Y" ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND THE APPROPRIATE SHEET PILE PIECES ARE TO BE FABRICATED IN ORDER TO INTERLOCK NEW SHEET PILING TO EXISTING SHEET PILING. THE CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE CONTRACTING OFFICER PRIOR TO FABRICATION OF ANY MATERIALS. THESE SHOP DRAWINGS ARE TO SHOW ALL DIMENSIONS, REINFORCEMENT AND SHEET PILE PIECES FOR THE CONNECTION.

TIP ELEVATION FOR SHEET PILING AND ALL OTHER PIECES SHALL BE -16.0



SHEET PILE CORNER SUGGESTED DETAIL

DETAIL ①

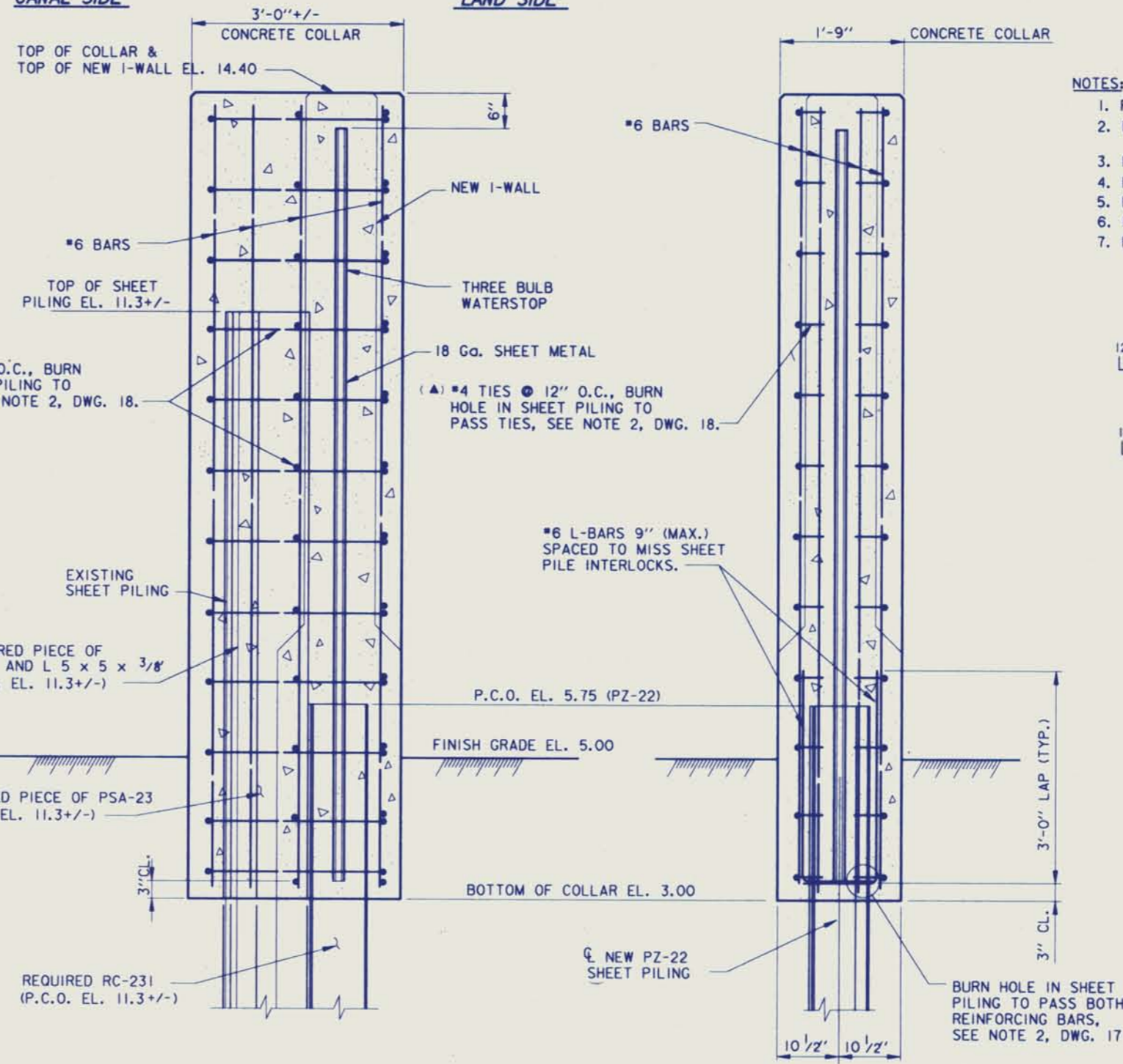
SCALE: 3" = 1'-0"

PLAN
SCALE: 1" = 1'-0"

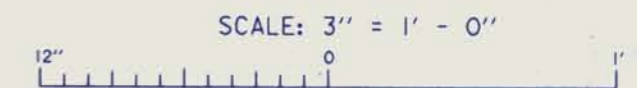
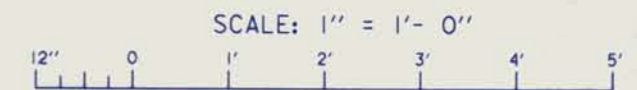
✓ NE

CANAL SIDE

LAND SIDE



- NOTES:
1. FOR GENERAL NOTES, SEE DWG. 2.
 2. FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2.
 3. FOR CONCRETE NOTES, SEE DWG. 2.
 4. FOR SHEET PILE DETAILS, SEE DWG. 18.
 5. FOR I-WALL REINFORCEMENT DETAILS, SEE DWGS. 33 & 34.
 6. FOR PLAN, SEE DWGS. 4 THRU 7.
 7. FOR PROFILES, SEE DWGS. 12 THRU 14.



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SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA EXISTING FLOODWALL TO NEW I-WALL CONNECTION - EAST SIDE			
DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/07/94
DRAWN BY: BINH LE	CADD FILE: 409952.DWG	FILE NO. H-4-40295	
CHECKED BY: S.I. SHAH	SOLICITATION NO. DACW29-94-B-0047	DWG. 21 OF 73	
SUBMITTED BY: MICHAEL G. JACKSON, P.E. BURK-KLEINPETER, INC.			

ELEVATION

SCALE: 1" = 1'-0"

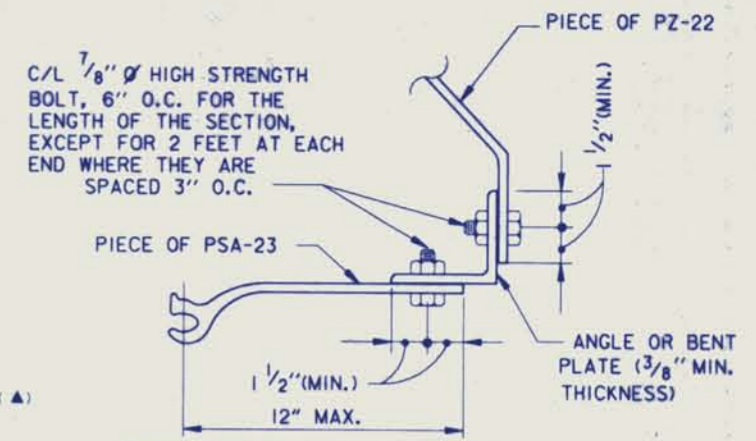
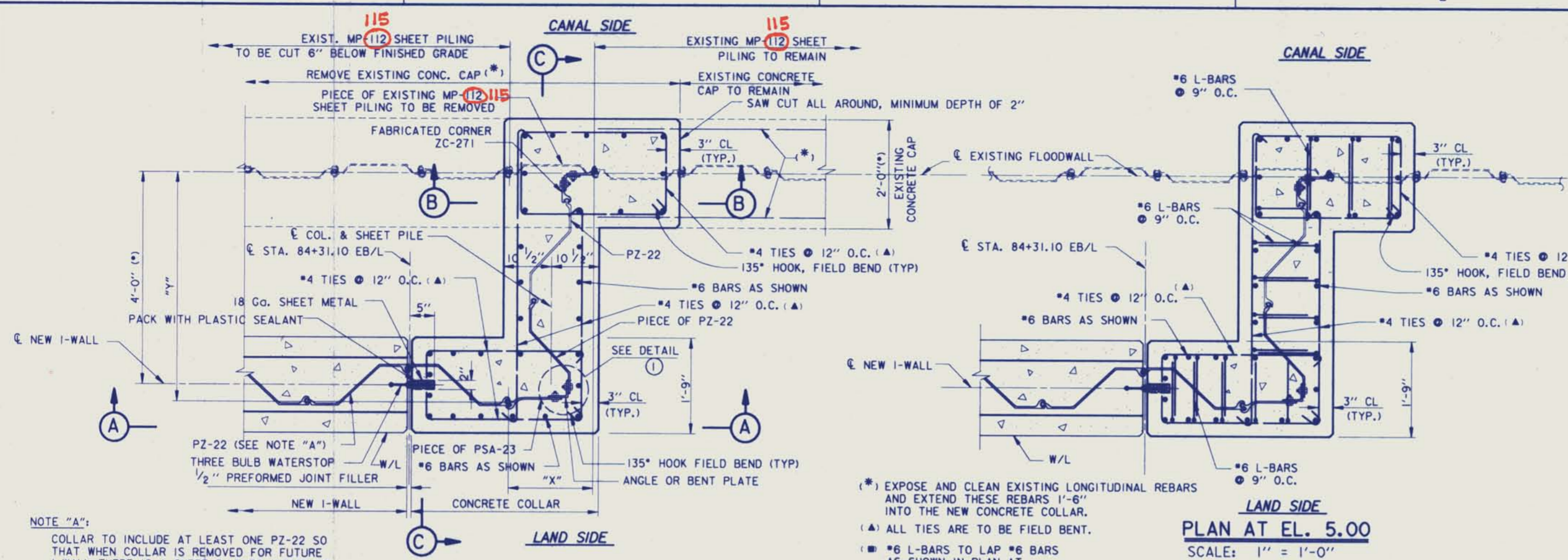
SECTION A

SCALE: 1" = 1'-0"

SECTION B

SCALE: 1" = 1'-0"

✓ NE



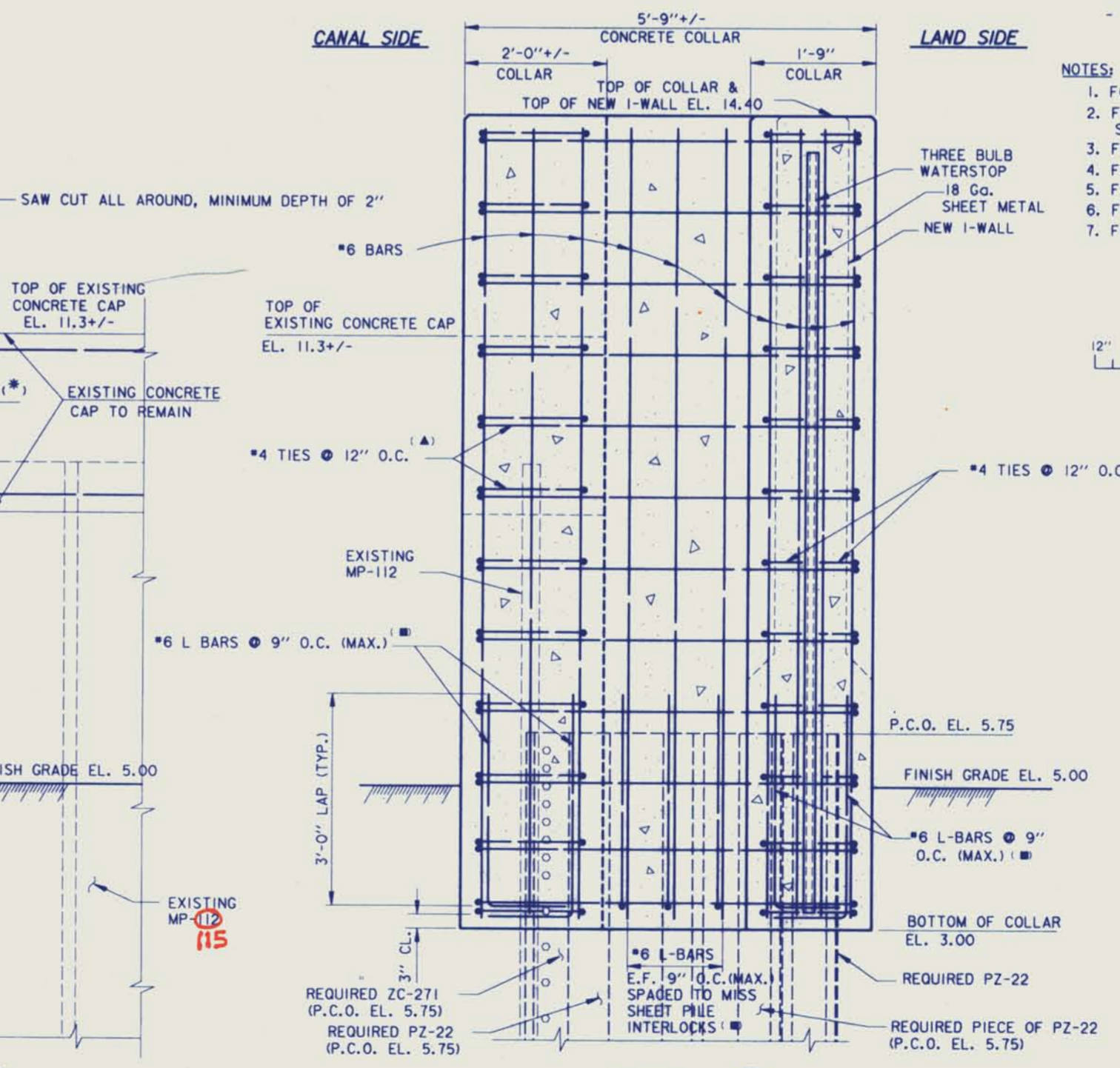
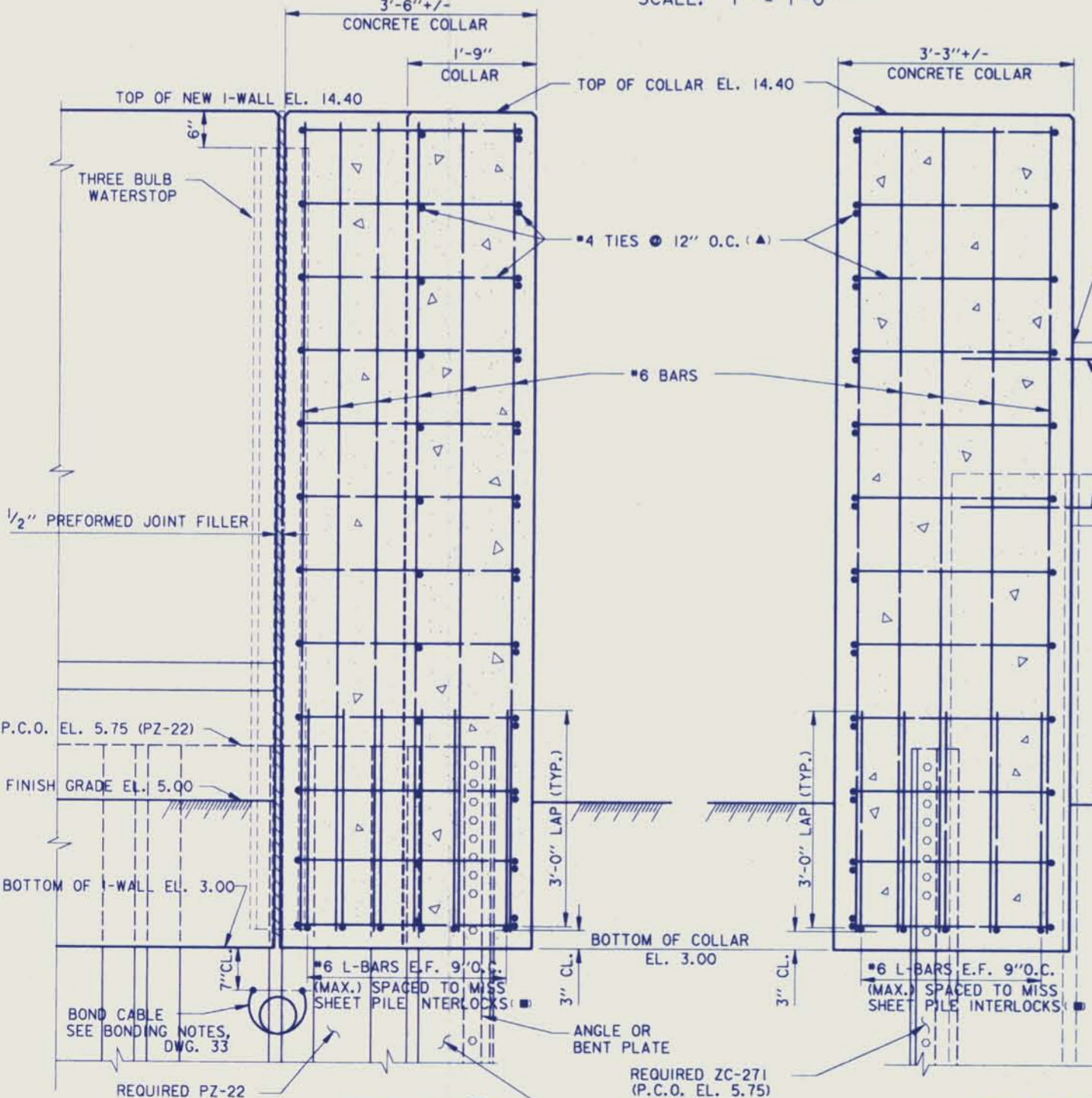
SHEET PILE CORNER SUGGESTED DETAIL
DETAIL 1
 SCALE: 3" = 1'-0"

- NOTE:** - DIMENSION "X" AND "Y" ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND THE APPROPRIATE SHEET PILE PIECES ARE TO BE FABRICATED IN ORDER TO INTERLOCK NEW SHEET PILING TO EXISTING SHEET PILING. CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE CONTRACTING OFFICER, PRIOR TO FABRICATION OF ANY MATERIALS. THESE SHOP DRAWINGS ARE TO SHOW ALL DIMENSIONS, REINFORCEMENT, AND SHEET PILE PIECES FOR THE CONNECTION.
- S&WB FEEDER LINE NOT SHOWN FOR CLARITY. FOR DETAILS, SEE DWGS. 46-48.
 - BURN HOLES IN SHEET PILING TO PASS REINFORCEMENT, SEE NOTE 2, DWG. 18.
 - TIP ELEVATION FOR SHEET PILING AND ALL OTHER PIECES SHALL BE -16.00

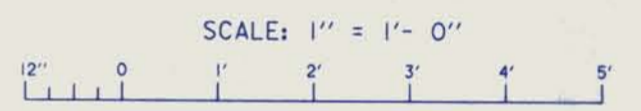
NOTE "A":
 COLLAR TO INCLUDE AT LEAST ONE PZ-22 SO THAT WHEN COLLAR IS REMOVED FOR FUTURE I-WALL THERE IS A SHEET PILE TO INTERLOCK FUTURE SHEET PILING TO EXISTING SHEET PILING.

LAND SIDE PLAN AT EL. 5.00
 SCALE: 1" = 1'-0"

(*) EXPOSE AND CLEAN EXISTING LONGITUDINAL REBARS AND EXTEND THESE REBARS 1'-6" INTO THE NEW CONCRETE COLLAR.
 (▲) ALL TIES ARE TO BE FIELD BENT.
 (■) #6 L-BARS TO LAP #6 BARS AS SHOWN IN PLAN AT EL. 5.00



- NOTES:**
1. FOR GENERAL NOTES, SEE DWG. 2.
 2. FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2.
 3. FOR CONCRETE NOTES, SEE DWG. 2.
 4. FOR SHEET PILE DETAILS, SEE DWG. 18.
 5. FOR I-WALL REINFORCEMENT DETAILS, SEE DWGS. 33 & 34.
 6. FOR PLAN, SEE DWGS. 4 THRU 7.
 7. FOR PROFILES, SEE DWGS. 12 THRU 14.

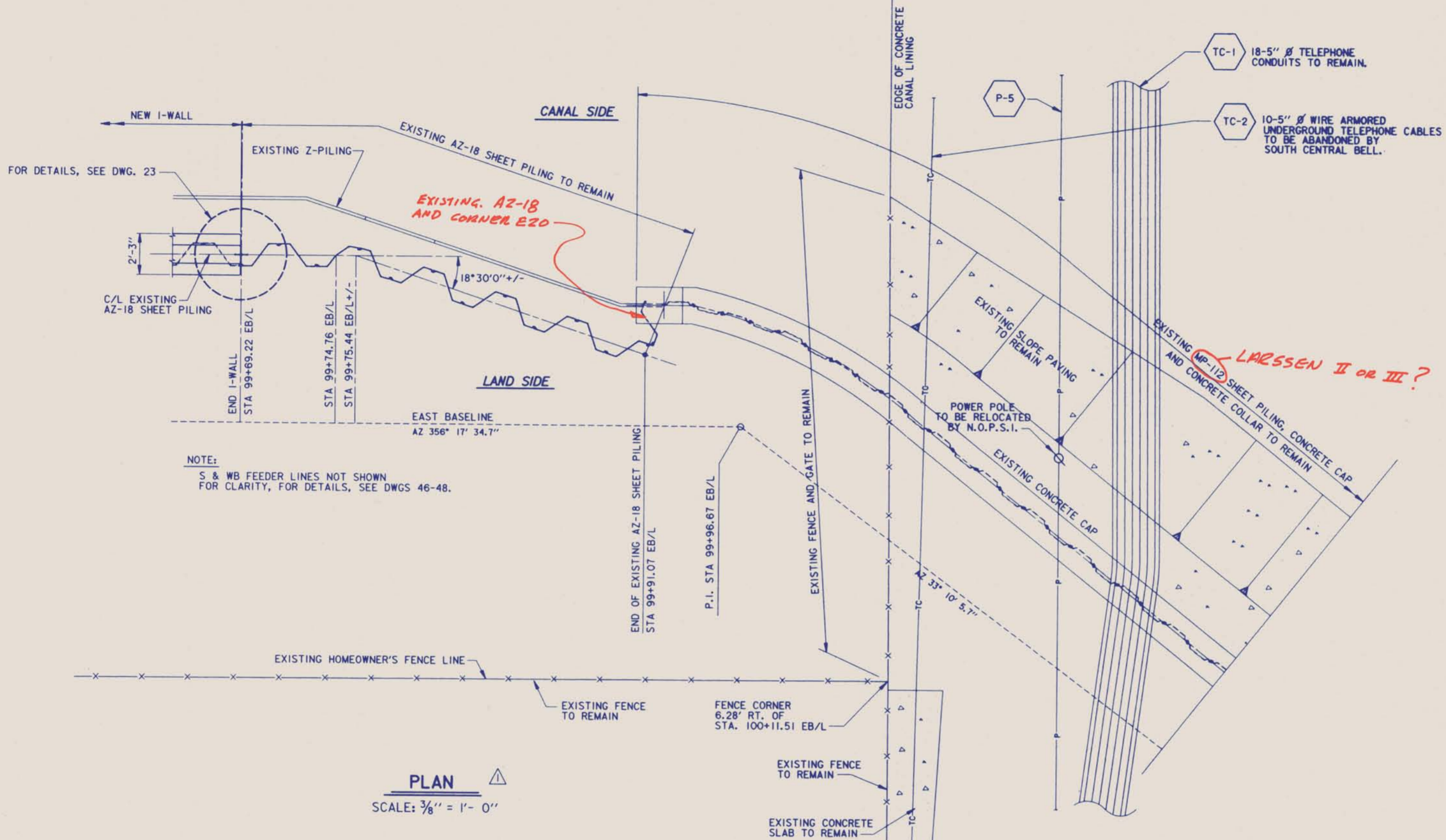
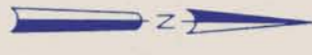


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SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
EXISTING FLOODWALL TO NEW I-WALL CONNECTION - EAST SIDE			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/07/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAM	CADD FILE: 402952.DWG	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 22 OF 73	

Safety is a Part of Your Contract

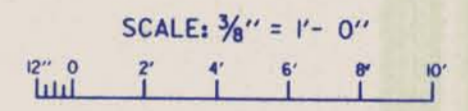


NOTE:
S & WB FEEDER LINES NOT SHOWN
FOR CLARITY, FOR DETAILS, SEE DWGS 46-48.

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

- NOTES:
1. FOR GENERAL NOTES, SEE DWG. 2
 2. FOR SHEET PILE DETAILS, SEE DWG. 18
 3. FOR PLAN, SEE DWGS. 4 THRU 7
 4. FOR PROFILE, SEE DWGS. 12 THRU 14.
 5. FOR TYPICAL SECTIONS, SEE DWGS. 15-17

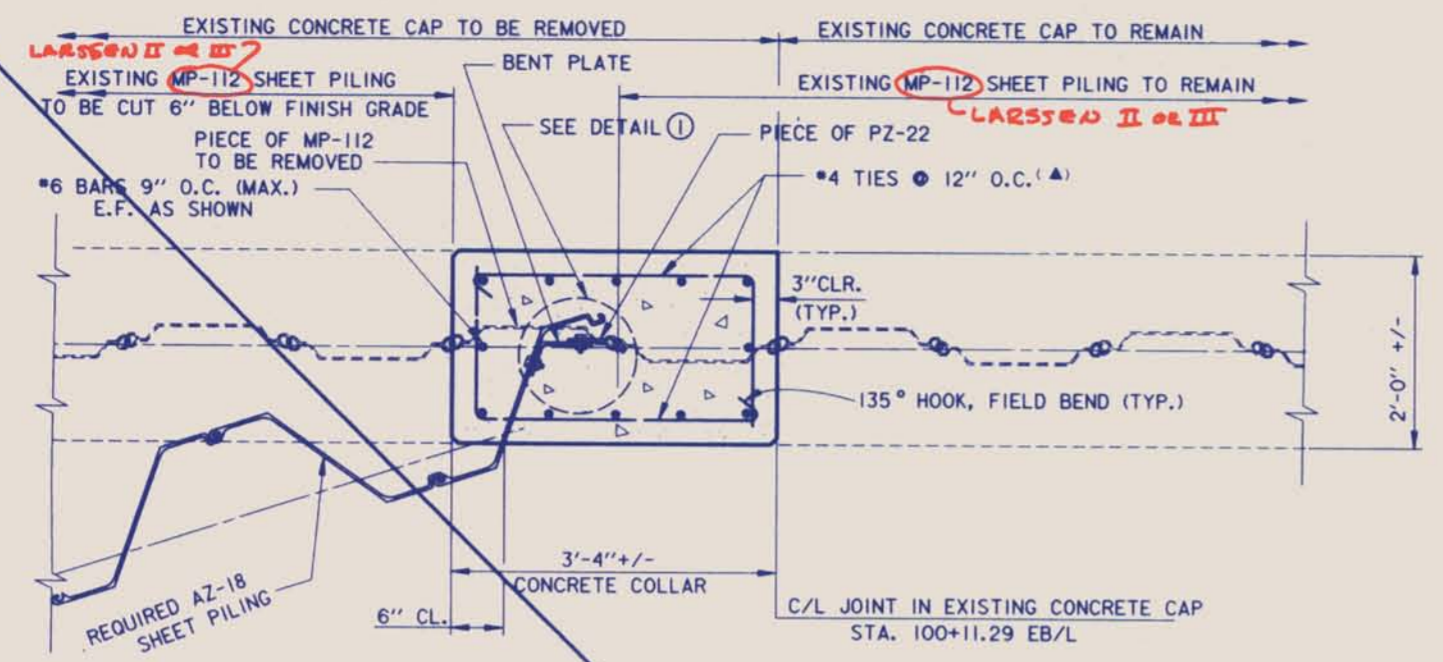
THIS PLAN ACCOMPANIES
MODIFICATION A00002
TO CONTRACT NUMBER
DACW29-94-C-0079



SYMBOL		DESCRIPTION	DATE	APPROVED
REVISIONS				
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS		CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BURK - KLEINPETER, INC.		ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN				
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA				
EXISTING FLOODWALL TO NEW I-WALL CONNECTION - EAST SIDE				
DESIGNED BY:	R. CHOPIN	DATE:	02/94	PLOT SCALE:
DRAWN BY:	BINH LE			32
CHECKED BY:	S.I. SHAM			
SUBMITTED BY:		MICHAEL G. JACKSON, P.E.		FILE NO.:
DACW29-94-B-0047		DACW29-94-B-0047		H-4-40295
				DWG. 24 OF 73



CANAL SIDE



NOTE:

S&WB FEEDER LINES NOT SHOWN, FOR CLARITY. FOR DETAILS, SEE DWGS. 46-48.

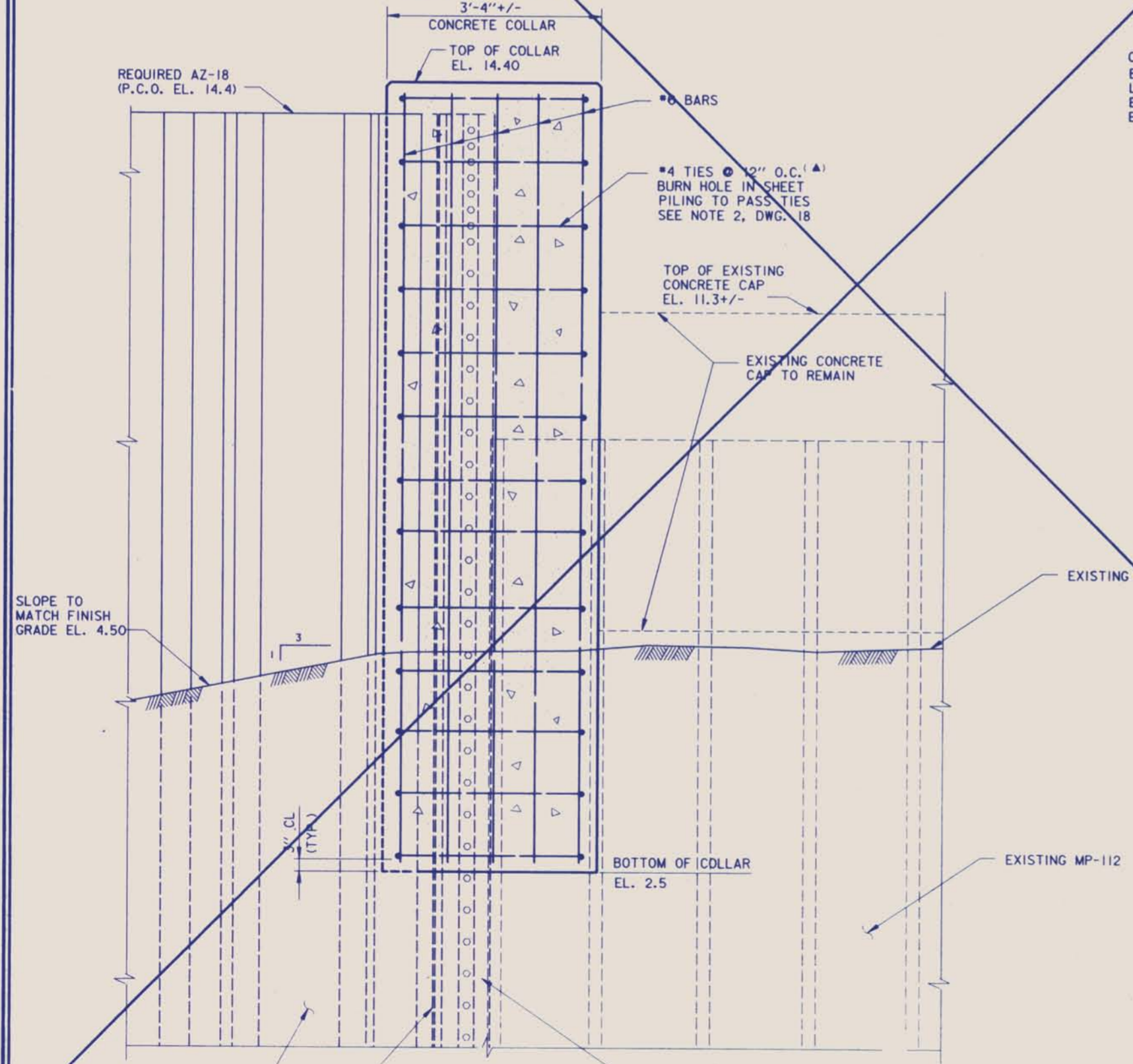
NOTE:

ALL DIMENSIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR. CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE CONTRACTING OFFICER, PRIOR TO FABRICATION OF ANY MATERIALS. THESE SHOP DRAWINGS ARE TO SHOW ALL DIMENSIONS, REINFORCEMENT, AND SHEET PILE PIECES FOR THE CONNECTION. TIP ELEVATION FOR SHEET PILING AND ALL OTHER PIECES SHALL BE -23.0

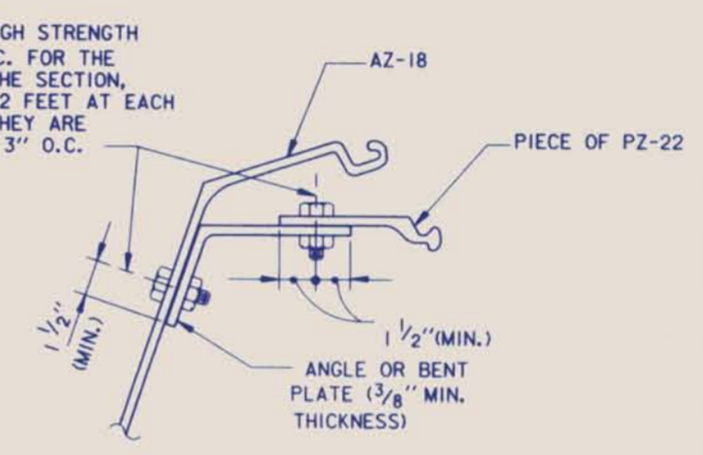
(▲) ALL TIES ARE TO BE FIELD BENT.

LAND SIDE PLAN

SCALE: 1" = 1'-0"



C/L 7/8" HIGH STRENGTH BOLT, 6" O.C. FOR THE LENGTH OF THE SECTION, EXCEPT FOR 2 FEET AT EACH END WHERE THEY ARE SPACED 3' O.C.



SHEET PILE CORNER SUGGESTED DETAIL

DETAIL ①

SCALE: 1" = 3'-0"

DELETE

THIS PLAN ACCOMPANIES MODIFICATION A00002 TO CONTRACT NUMBER DACW29-94-C-0079

Safety is a Part of Your Contract



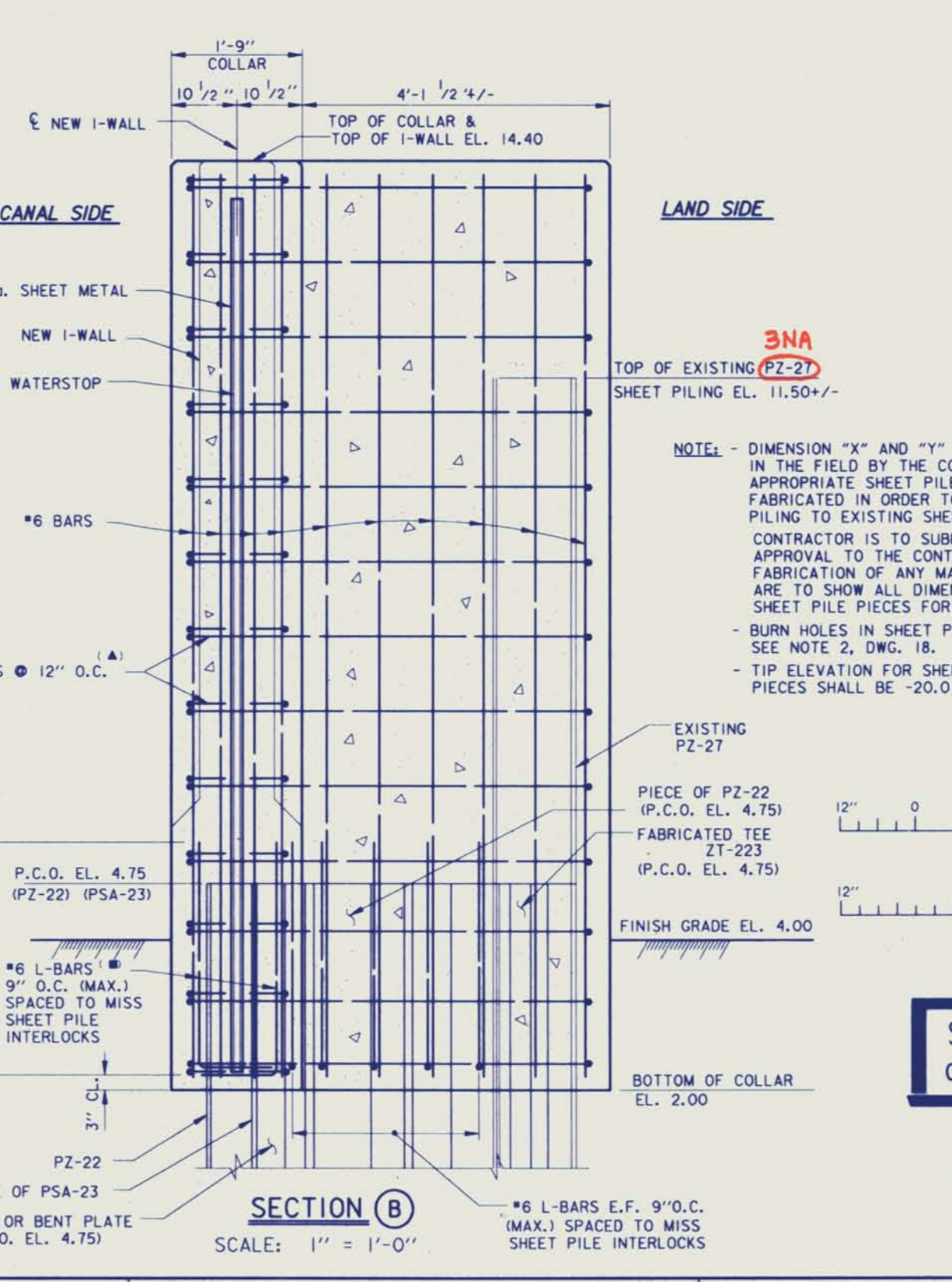
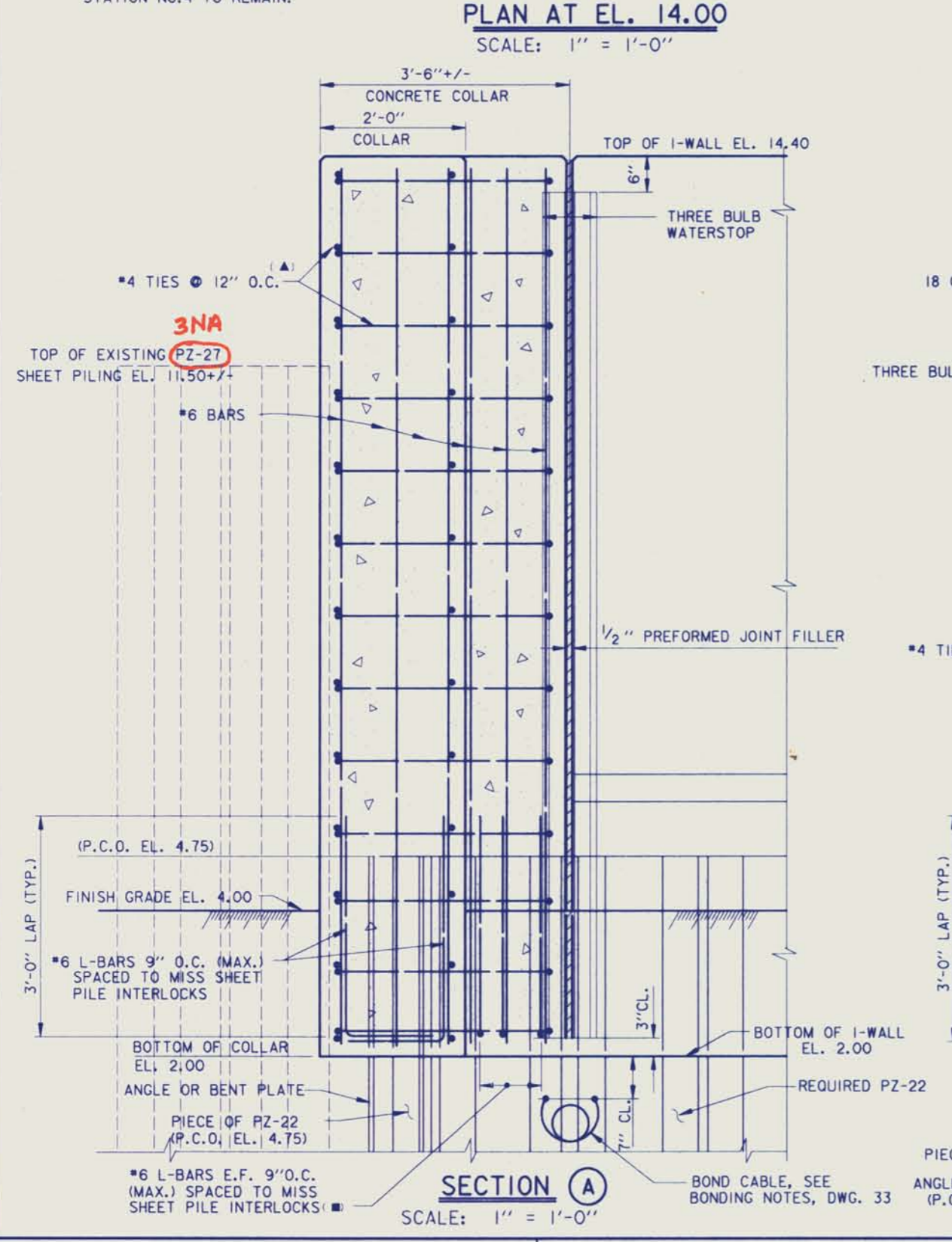
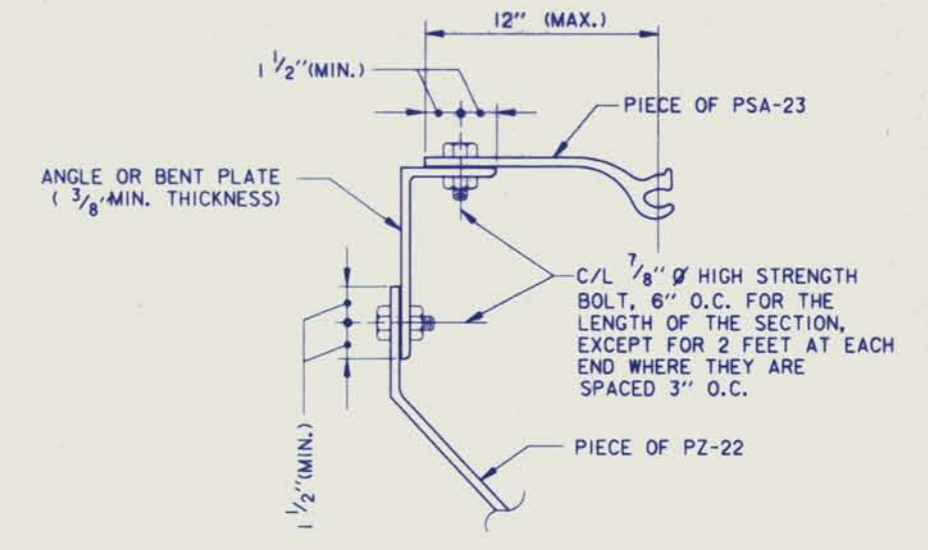
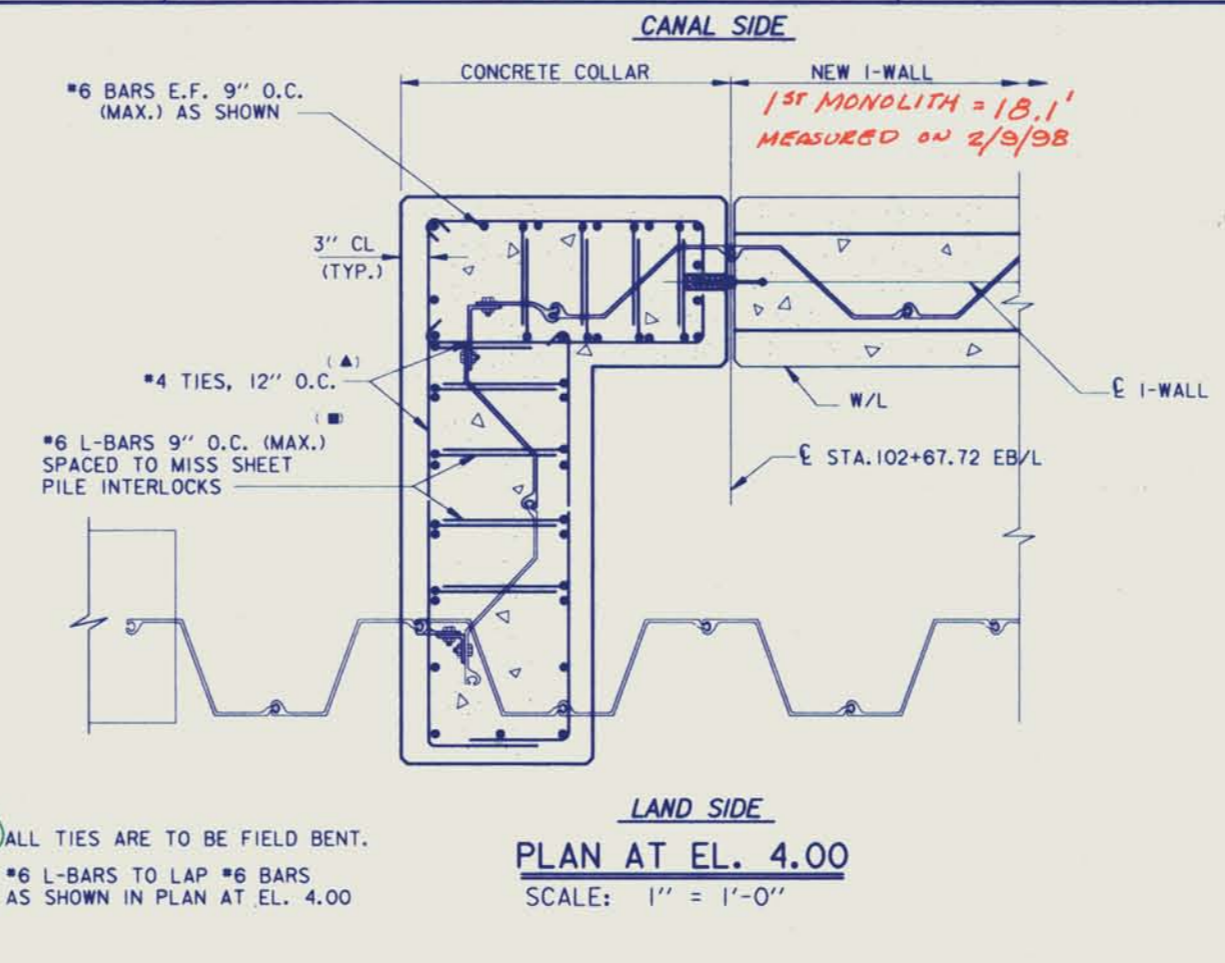
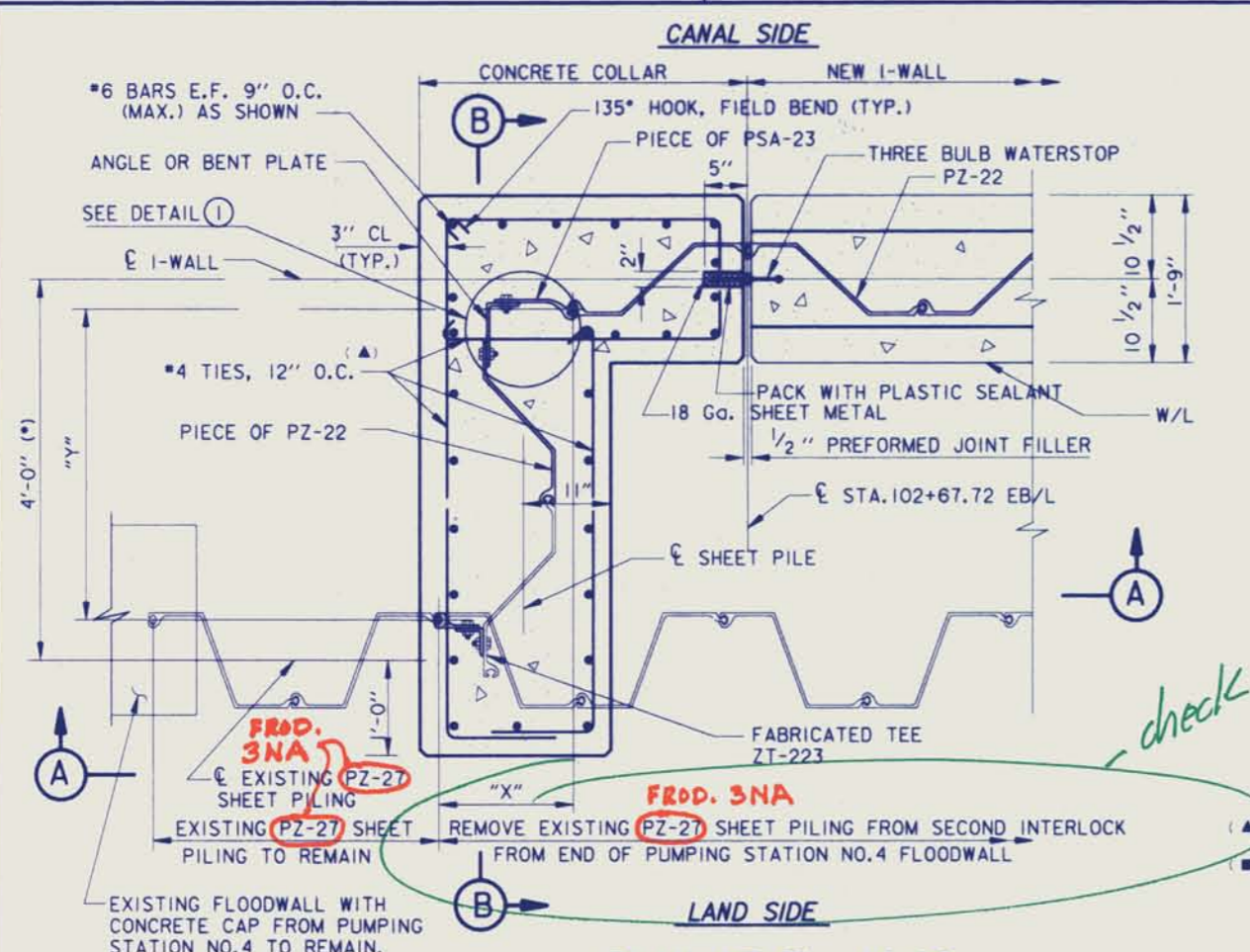
NOTES:

1. FOR GENERAL NOTES, SEE DWG. 2.
2. FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2.
3. FOR CONCRETE NOTES, SEE DWG. 2.
4. FOR SHEET PILE DETAILS, SEE DWG. 18.
5. FOR I-WALL REINFORCEMENT DETAILS, SEE DWGS. 33 & 34.
6. FOR PLAN, SEE DWGS. 4 THRU 7.
7. FOR PROFILE, SEE DWGS. 12 THRU 14.

ELEVATION

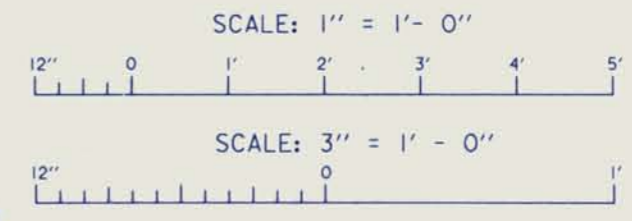
SCALE: 1" = 1'-0"

DELETE CONTENTS OF DWG. MOD. A2	08/14/95	B.K.L.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN		
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BVLD., EAST BANK ORLEANS PARISH, LOUISIANA		
EXISTING FLOODWALL TO NEW I-WALL CONNECTION - EAST SIDE		
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12
DRAWN BY: BINH LE		PLOT DATE: 12/5/95
CHECKED BY: S.I. SHAH		FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 25 OF 73



NOTE: - DIMENSION "X" AND "Y" ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND THE APPROPRIATE SHEET PILE PIECES ARE TO BE FABRICATED IN ORDER TO INTERLOCK NEW SHEET PILING TO EXISTING SHEET PILING.
CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE CONTRACTING OFFICER, PRIOR TO FABRICATION OF ANY MATERIALS. THESE SHOP DRAWINGS ARE TO SHOW ALL DIMENSIONS, REINFORCEMENT, AND SHEET PILE PIECES FOR THE CONNECTION.
- BURN HOLES IN SHEET PILING TO PASS REINFORCEMENT. SEE NOTE 2, DWG. 18.
- TIP ELEVATION FOR SHEET PILING AND ALL OTHER PIECES SHALL BE -20.0

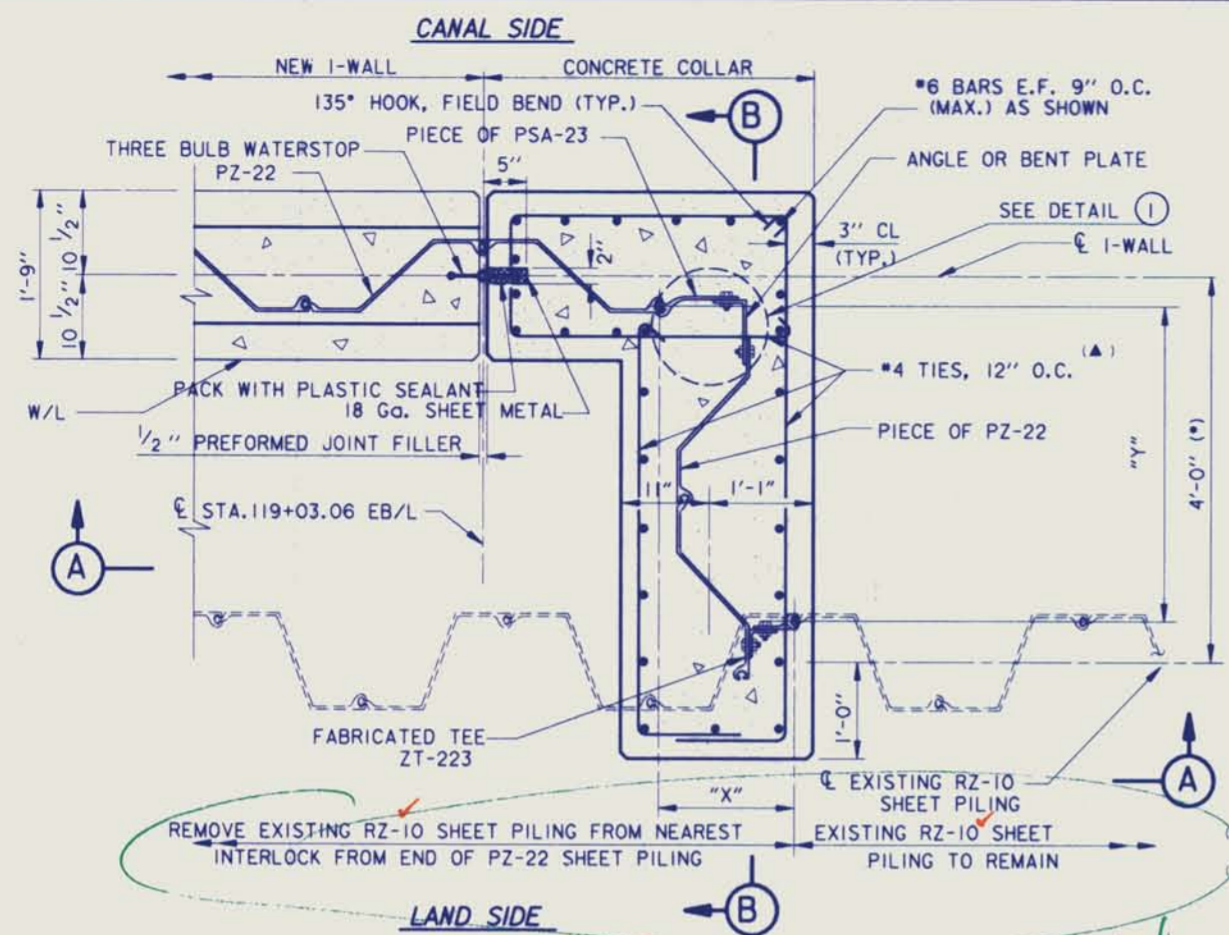
- NOTES:**
1. FOR GENERAL NOTES, SEE DWG. 2
 2. FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2
 3. FOR CONCRETE NOTES, SEE DWG. 2
 4. FOR SHEET PILE DETAILS, SEE DWG. 18
 5. FOR I-WALL REINFORCEMENT DETAILS, SEE DWGS. 33 & 34.
 6. FOR PLAN, SEE DWGS. 4 THRU 7
 7. FOR PROFILES, SEE DWGS. 12 THRU 14



Safety is a Part of Your Contract

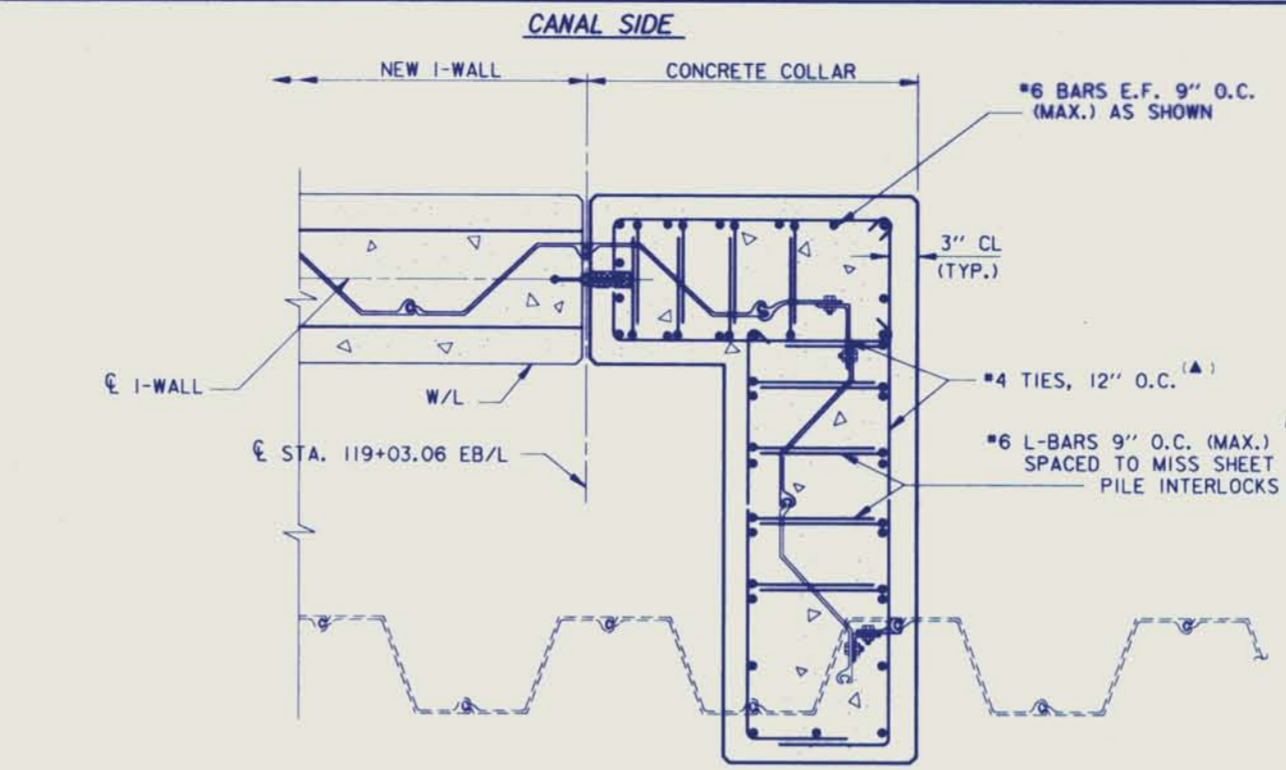


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA			
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA EXISTING FLOODWALL TO NEW I-WALL CONNECTION - EAST SIDE			
DESIGNED BY:	R. CHOPIN	DATE:	02/94
DRAWN BY:	BINH LE	PLOT SCALE:	12
CHECKED BY:	S.I. SHAH	PLLOT DATE:	02/07/94
SUBMITTED BY:		SOLICITATION NO.	
MICHAEL G. JACKSON, P.E.		DACW29-94-B-0047	
BURK-KLEINPETER, INC.		FILE NO.:	H-4-40295
		DWG.:	26 OF 73

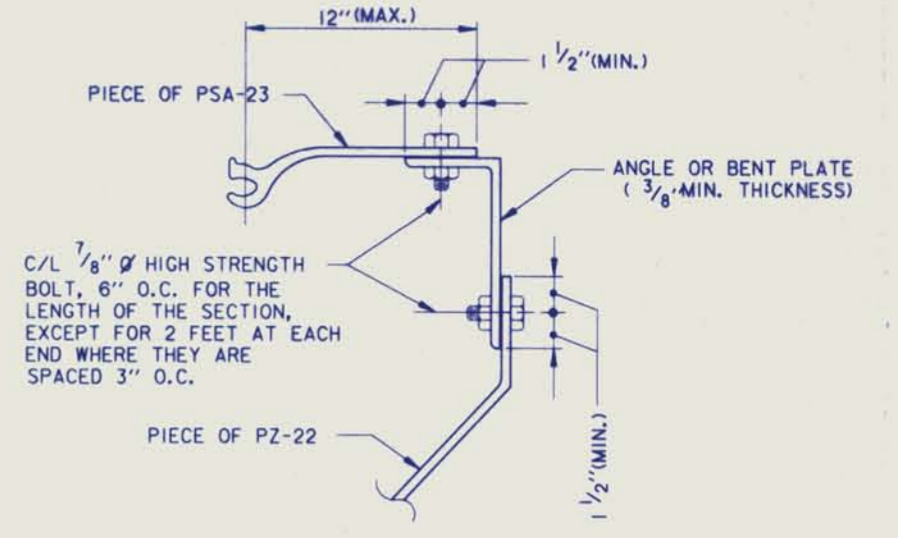


PLAN AT EL. 14.00
SCALE: 1" = 1'-0"

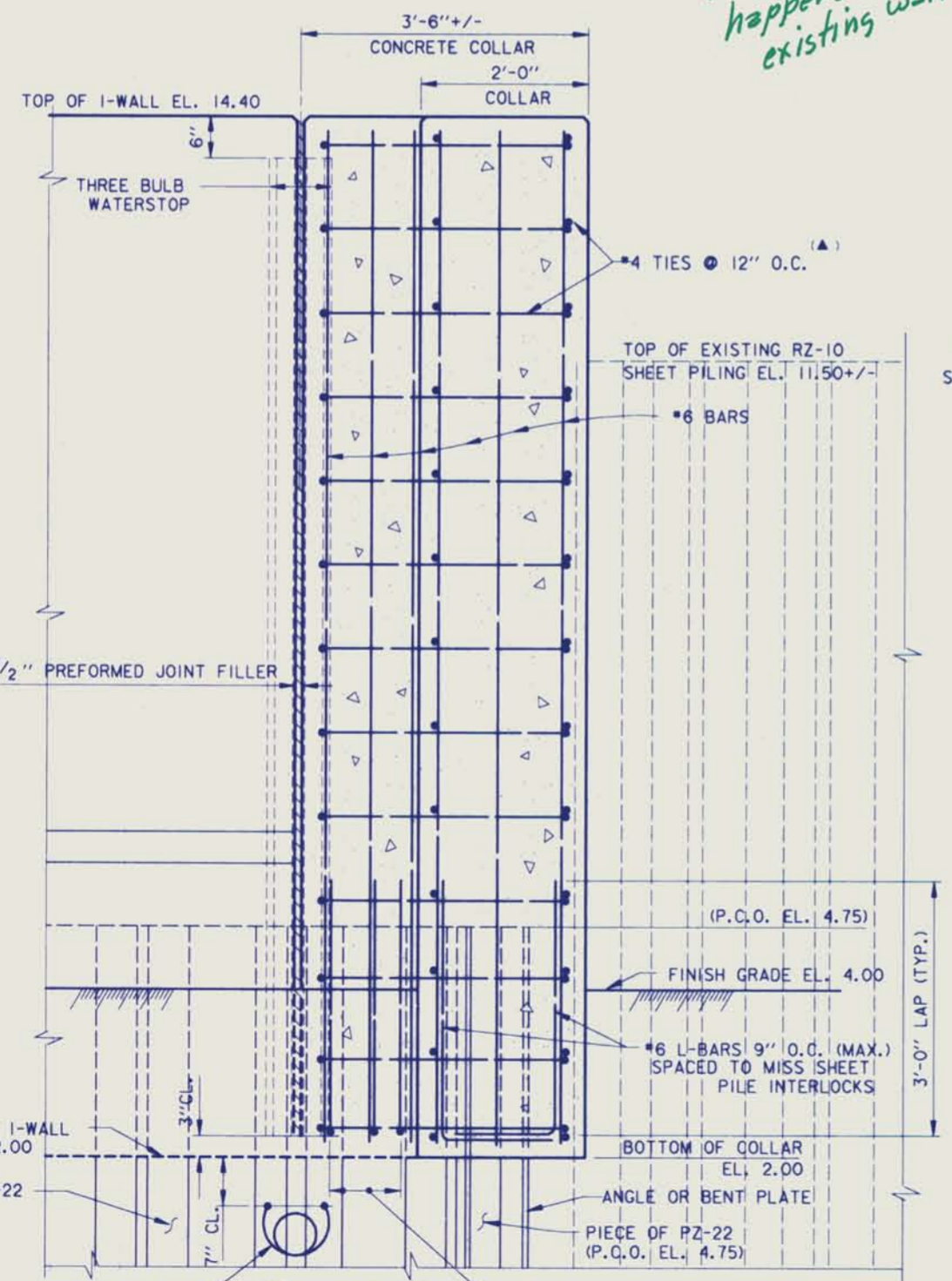
Check what happens to existing wall



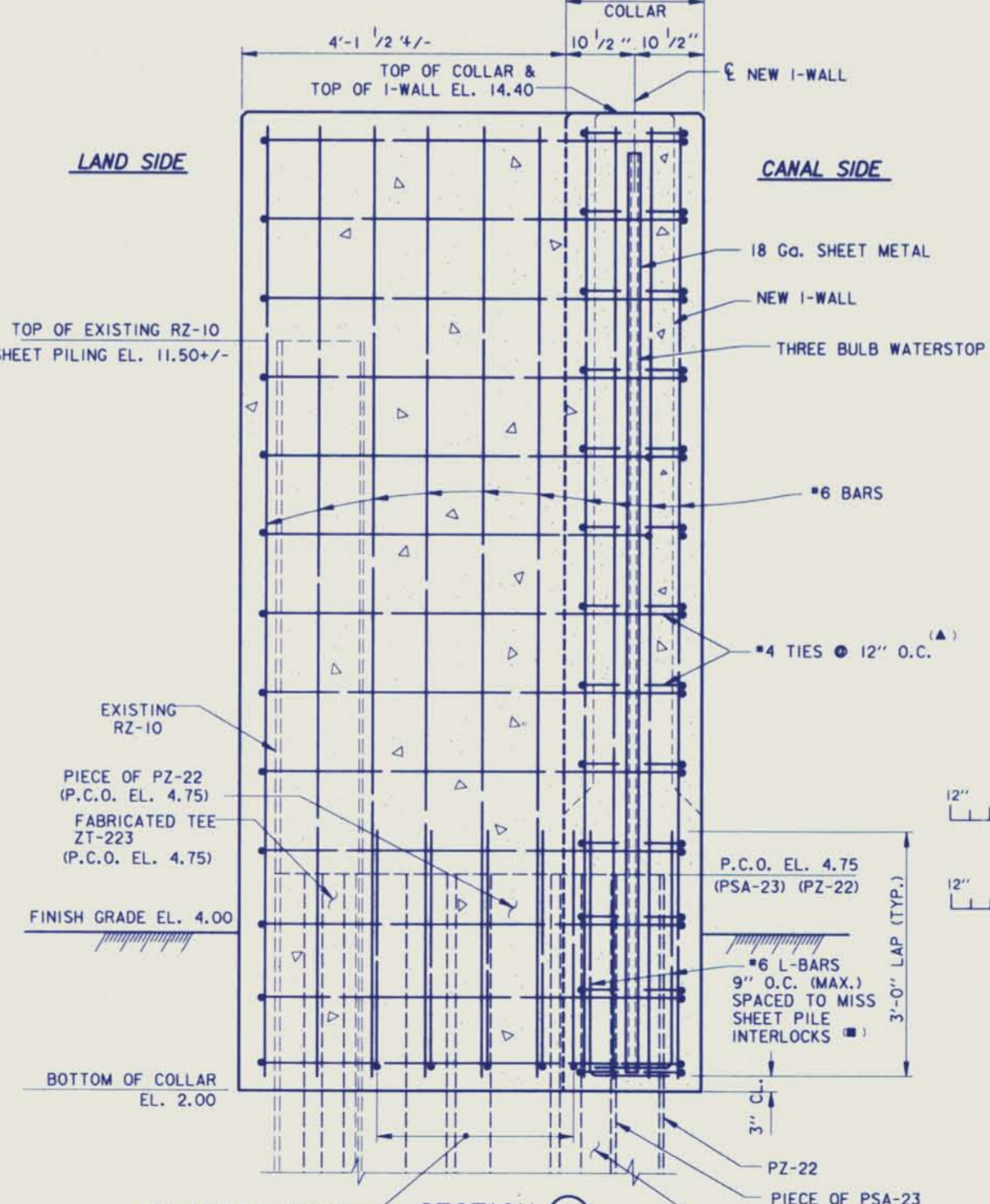
PLAN AT EL. 4.00
SCALE: 1" = 1'-0"



SHEET PILE CORNER SUGGESTED DETAIL
DETAIL 1
SCALE: 3" = 1'-0"



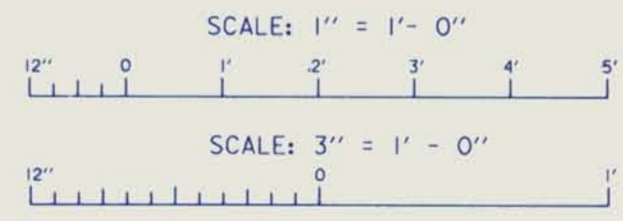
SECTION A
SCALE: 1" = 1'-0"



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

NOTE: - DIMENSION "X" AND "Y" ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND THE APPROPRIATE SHEET PILE PIECES ARE TO BE FABRICATED IN ORDER TO INTERLOCK NEW SHEET PILING TO EXISTING SHEET PILING.
CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE CONTRACTING OFFICER, PRIOR TO FABRICATION OF ANY MATERIALS. THESE SHOP DRAWINGS ARE TO SHOW ALL DIMENSIONS, REINFORCEMENT, AND SHEET PILE PIECES FOR THE CONNECTION.
- BURN HOLES IN SHEET PILING TO PASS REINFORCEMENT. SEE NOTE 2, DWG. 18.
- TIP ELEVATION FOR SHEET PILING AND ALL OTHER PIECES SHALL BE -22.0

- NOTES:**
1. FOR GENERAL NOTES, SEE DWG. 2
 2. FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2
 3. FOR CONCRETE NOTES, SEE DWG. 2
 4. FOR SHEET PILE DETAILS, SEE DWG. 18
 5. FOR I-WALL REINFORCEMENT DETAILS, SEE DWGS. 33 & 34.
 6. FOR PLAN, SEE DWGS. 4 THRU 7
 7. FOR PROFILES, SEE DWGS. 12 THRU 14

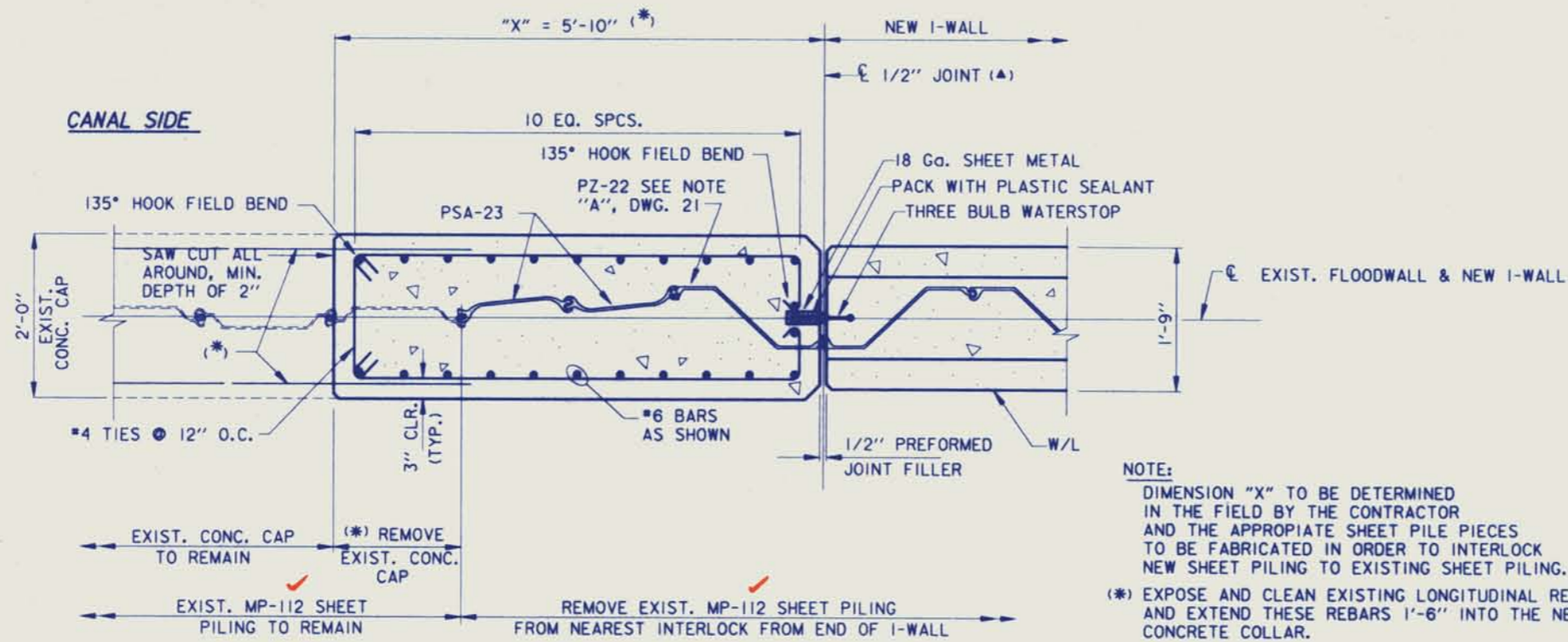


Safety is a Part of Your Contract



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
EXISTING FLOODWALL TO NEW I-WALL CONNECTION - EAST SIDE			
DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/07/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 402997.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.		SOLICITATION NO. DACW29-94-B-0047	
BURK-KLEINPETER, INC.		DWG. 27 OF 73	

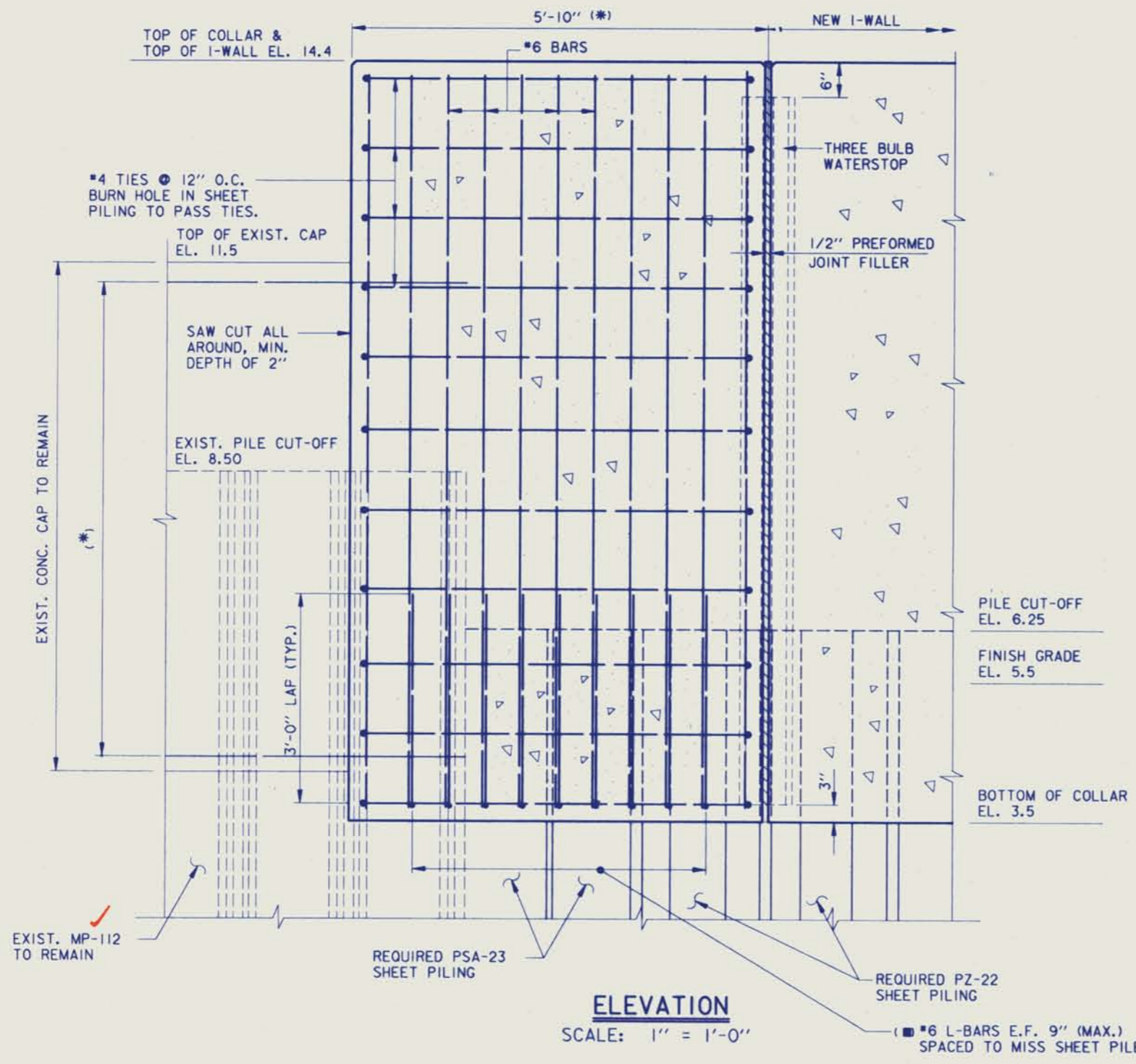
Safety is a Part of Your Contract



NOTE:
 DIMENSION "X" TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND THE APPROPRIATE SHEET PILE PIECES TO BE FABRICATED IN ORDER TO INTERLOCK NEW SHEET PILING TO EXISTING SHEET PILING.
 (*) EXPOSE AND CLEAN EXISTING LONGITUDINAL REBARS AND EXTEND THESE REBARS 1'-6" INTO THE NEW CONCRETE COLLAR.
 (■) #6 L-BARS TO LAP #6 BARS AS SHOWN ON PLAN.

PLAN
 SCALE: 1" = 1'-0"

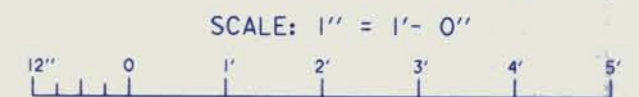
(▲) SHOWN FOR STA. 120+49.00 EB/L
 OPP. HAND FOR STA. 126+65.00 EB/L



ELEVATION
 SCALE: 1" = 1'-0"

(■) #6 L-BARS E.F. 9" (MAX.) SPACED TO MISS SHEET PILES INTERLOCKS.

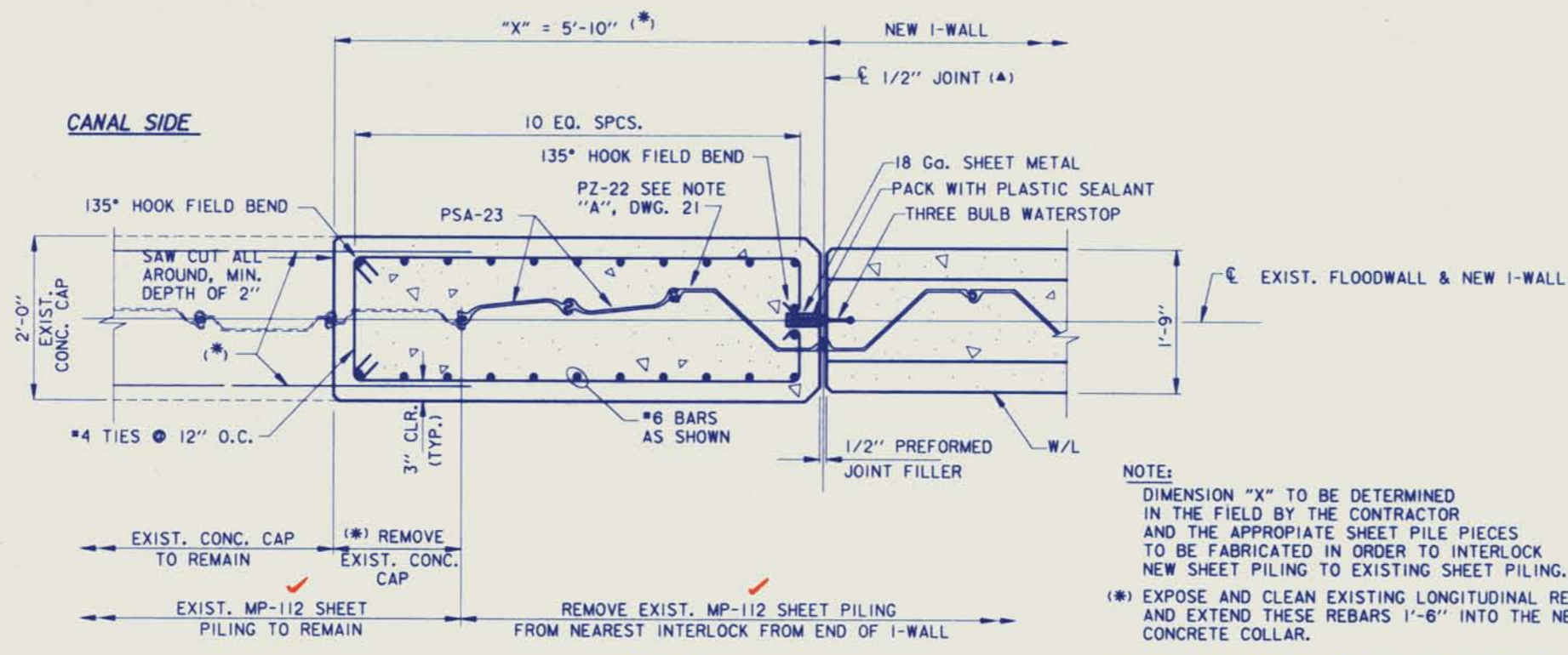
- NOTES:
- FOR GENERAL NOTES, SEE DWG. 2.
 - FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2.
 - FOR CONCRETE NOTES, SEE DWG. 2.
 - FOR SHEET PILE DETAILS, SEE DWG. 18.
 - FOR I-WALL REINFORCEMENT DETAILS, SEE DWG. 34.
 - FOR PLAN, SEE DWGS. 4 THRU 7.
 - FOR PROFILES, SEE DWGS. 12 THRU 14.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA EXISTING FLOODWALL TO NEW I-WALL CONNECTION - EAST SIDE			
DESIGNED BY: B.D.	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/07/94
DRAWN BY: M.W.B.	CADD FILE: 4029528.DGN	FILE NO. H-4-40295	
CHECKED BY: B.D.	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 28 OF 73
<small>ENGINEER</small>		<small>BURK-KLEINPETER, INC.</small>	



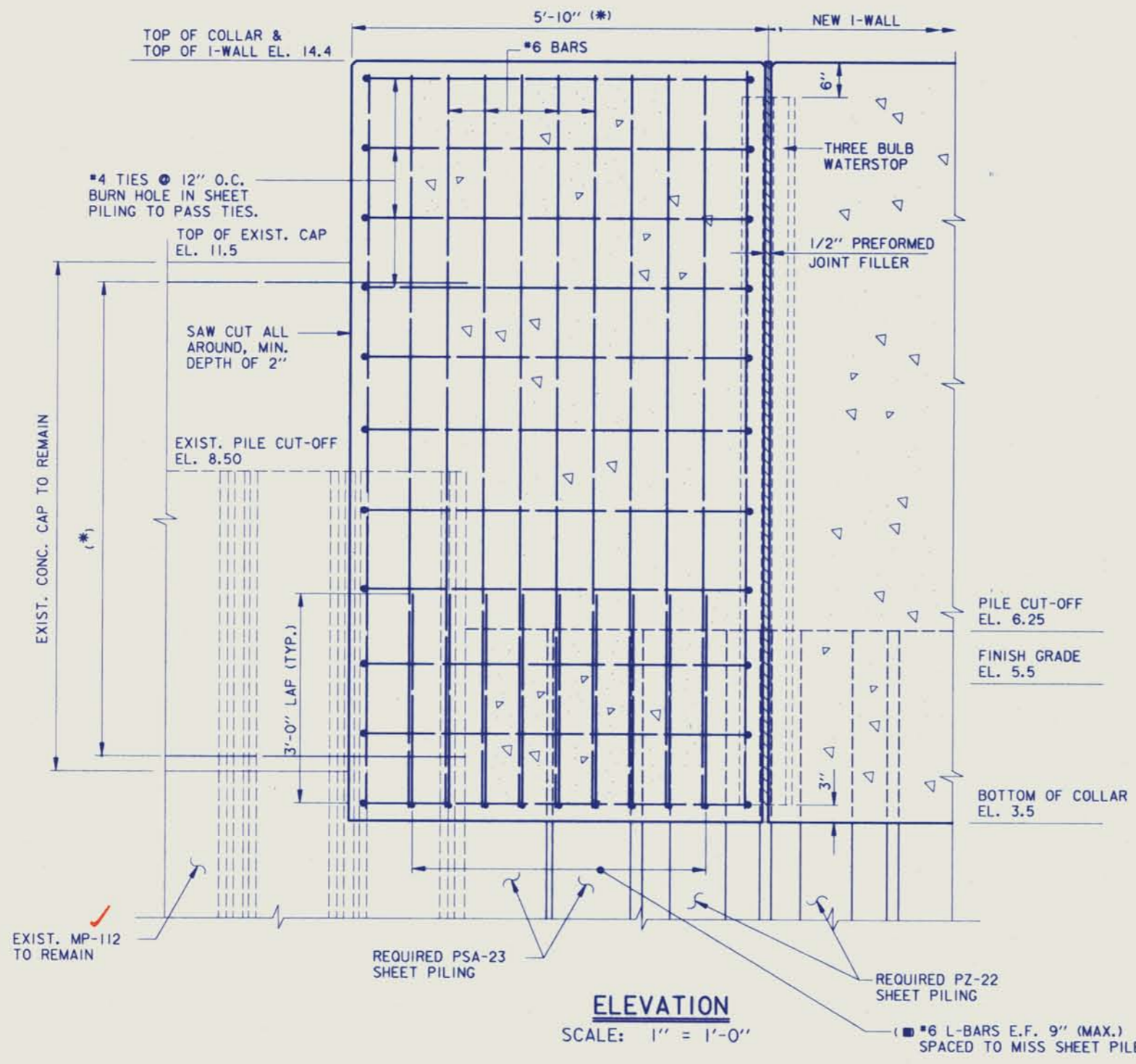
Safety is a Part of Your Contract



NOTE:
 DIMENSION "X" TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND THE APPROPRIATE SHEET PILE PIECES TO BE FABRICATED IN ORDER TO INTERLOCK NEW SHEET PILING TO EXISTING SHEET PILING.
 (*) EXPOSE AND CLEAN EXISTING LONGITUDINAL REBARS AND EXTEND THESE REBARS 1'-6" INTO THE NEW CONCRETE COLLAR.
 (■) #6 L-BARS TO LAP #6 BARS AS SHOWN ON PLAN.

PLAN
 SCALE: 1" = 1'-0"

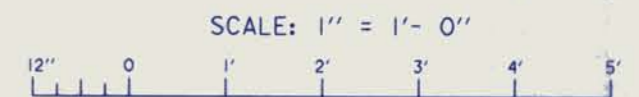
(▲) SHOWN FOR STA. 120+49.00 EB/L
 OPP. HAND FOR STA. 126+65.00 EB/L



ELEVATION
 SCALE: 1" = 1'-0"

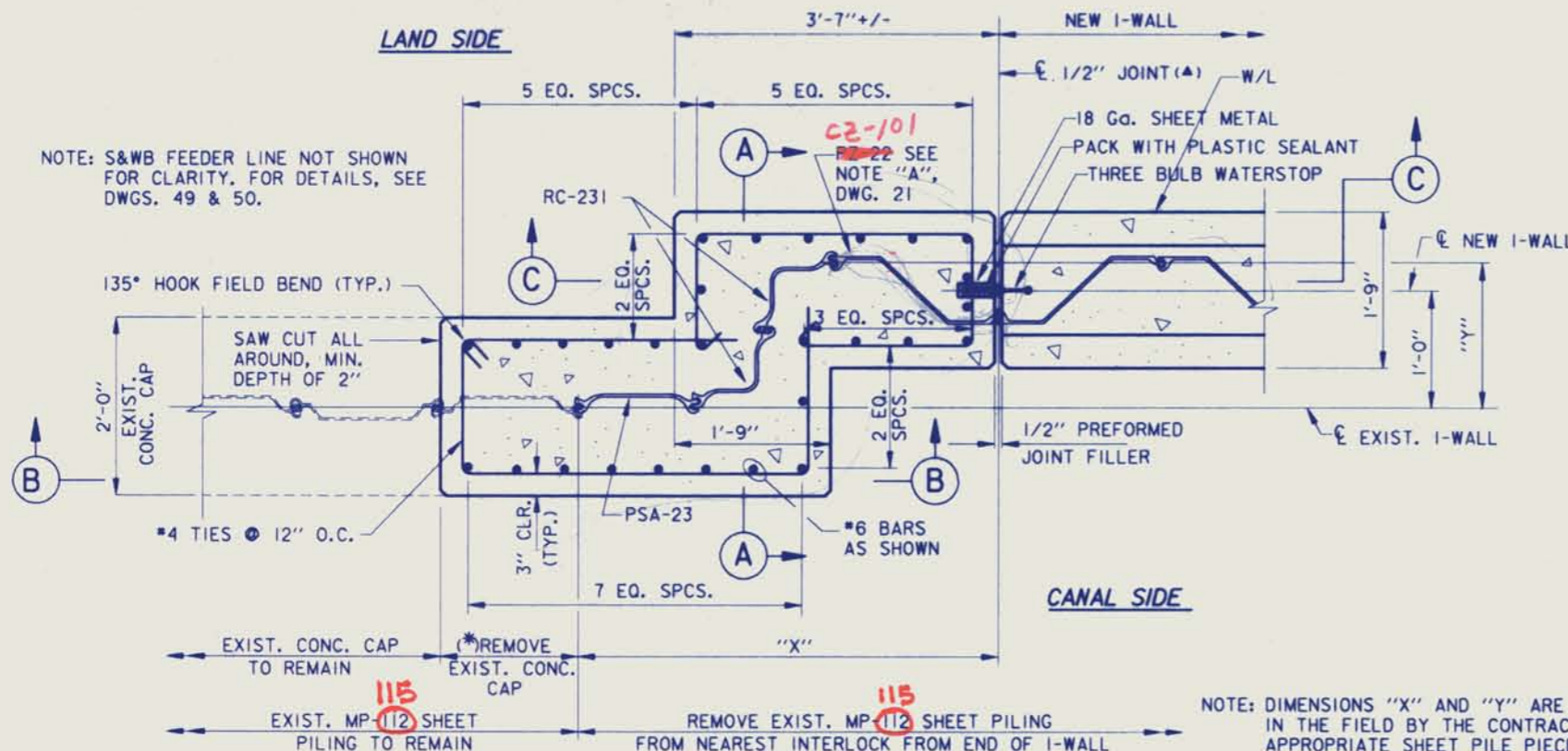
(■) #6 L-BARS E.F. 9" (MAX.) SPACED TO MISS SHEET PILES INTERLOCKS.

- NOTES:
- FOR GENERAL NOTES, SEE DWG. 2.
 - FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2.
 - FOR CONCRETE NOTES, SEE DWG. 2.
 - FOR SHEET PILE DETAILS, SEE DWG. 18.
 - FOR I-WALL REINFORCEMENT DETAILS, SEE DWG. 34.
 - FOR PLAN, SEE DWGS. 4 THRU 7.
 - FOR PROFILES, SEE DWGS. 12 THRU 14.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA EXISTING FLOODWALL TO NEW I-WALL CONNECTION - EAST SIDE			
DESIGNED BY: B.D.	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/07/94
DRAWN BY: M.W.B.	CADD FILE: 4029528.DGN	FILE NO. H-4-40295	
CHECKED BY: B.D.	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 28 OF 73
		BURK-KLEINPETER, INC.	





PLAN @ EL. 14.4
SCALE: 1" = 1'-0"

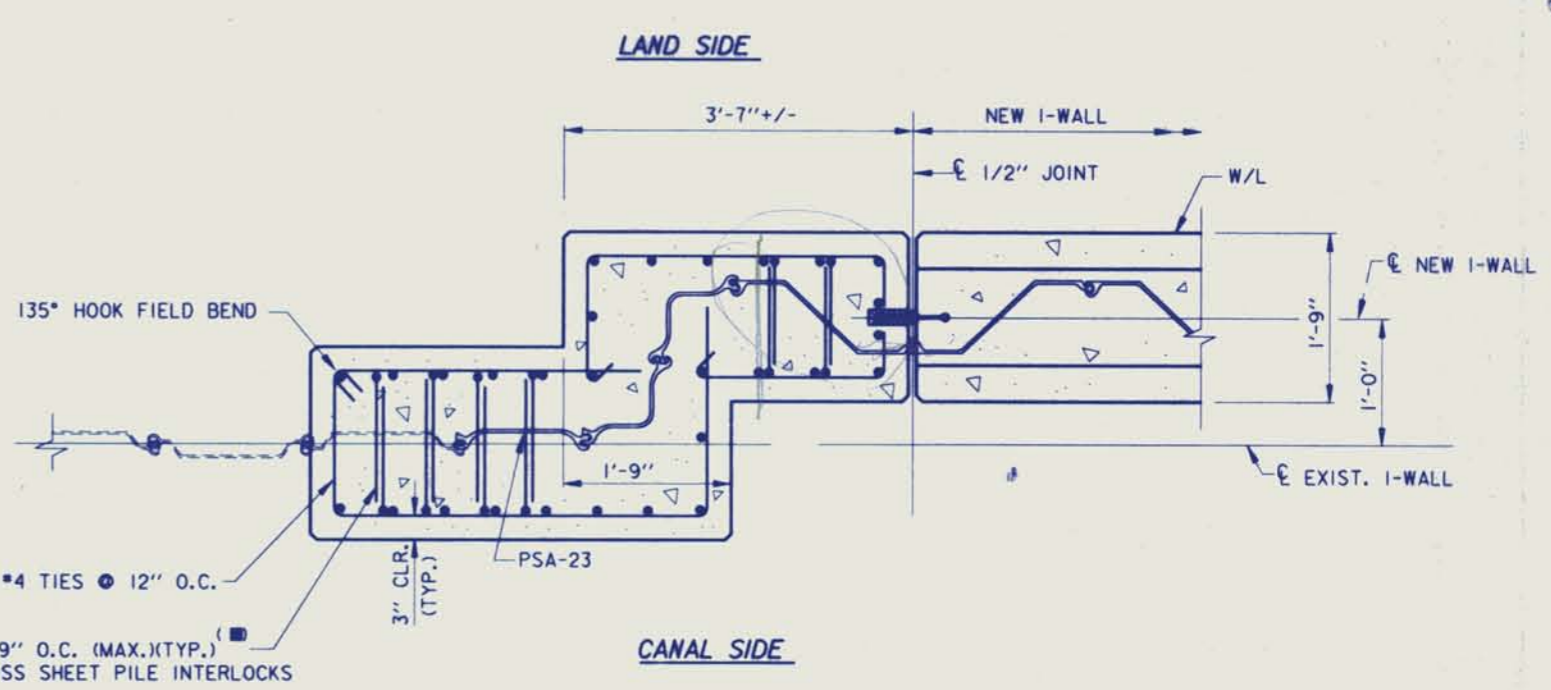
(A) SHOWN FOR VIC. STA. 70+47.00 & STA. 85+90.00
OPP. HAND FOR VIC. STA. 84+54.72

STATION	FINISHED GRADE	PILE CUT-OFF	BOTTOM OF COLLAR
70+47.00	5.00	5.75	3.00
84+54.72	5.00	5.75	3.00
85+90.00	5.50	6.25	3.50

NOTE: DIMENSIONS "X" AND "Y" ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND THE APPROPRIATE SHEET PILE PIECES ARE TO BE FABRICATED IN ORDER TO INTERLOCK NEW SHEET PILING TO THE EXISTING SHEET PILING.

(*) EXPOSE AND CLEAN LONGITUDINAL REBARS AND EXTEND EXISTING REBARS 1'-6" INTO CONCRETE COLLAR.

(■) #6 L-BARS TO LAP #6 BARS AS SHOWN IN PLAN.

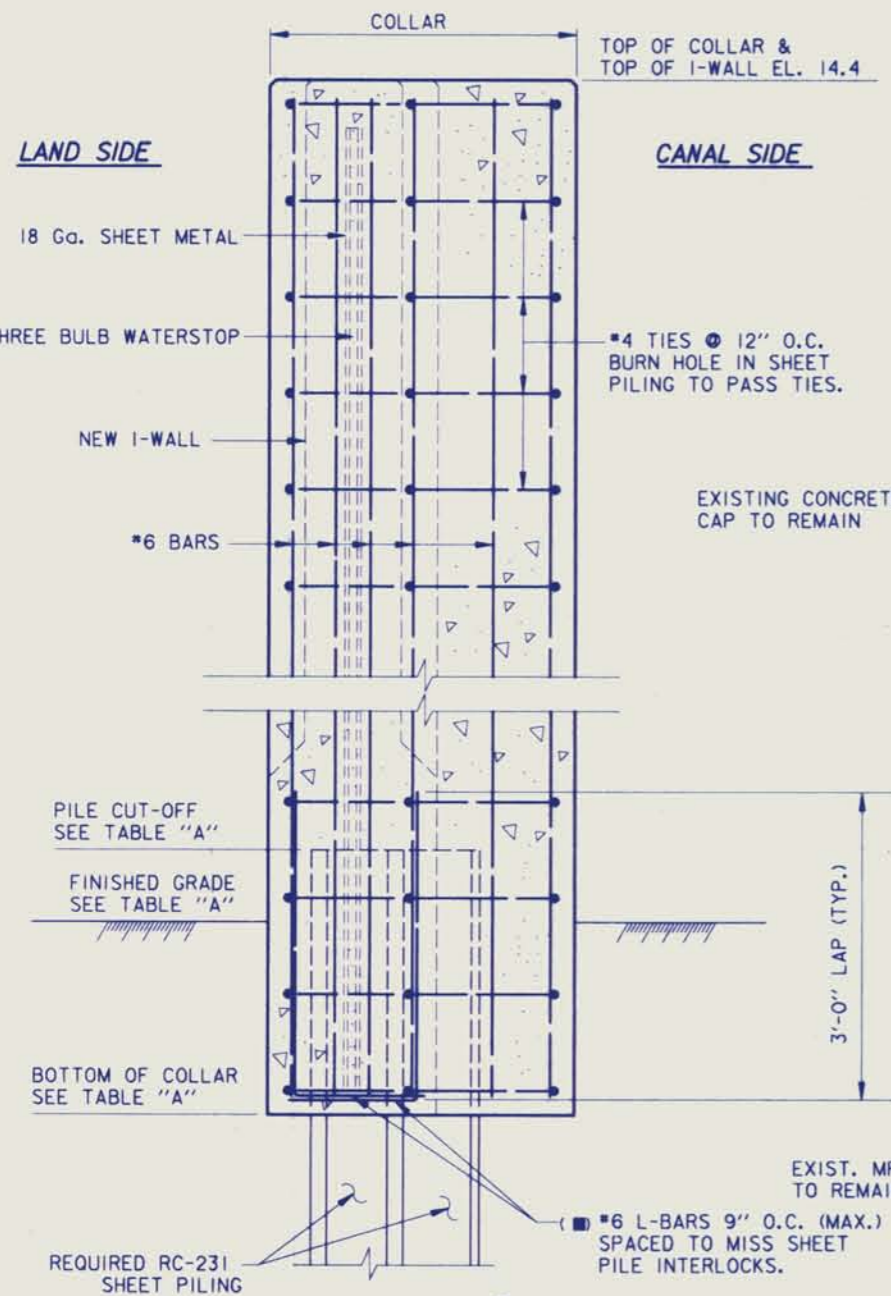
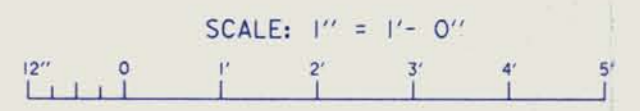


PLAN @ EL. 5.75
SCALE: 1" = 1'-0"

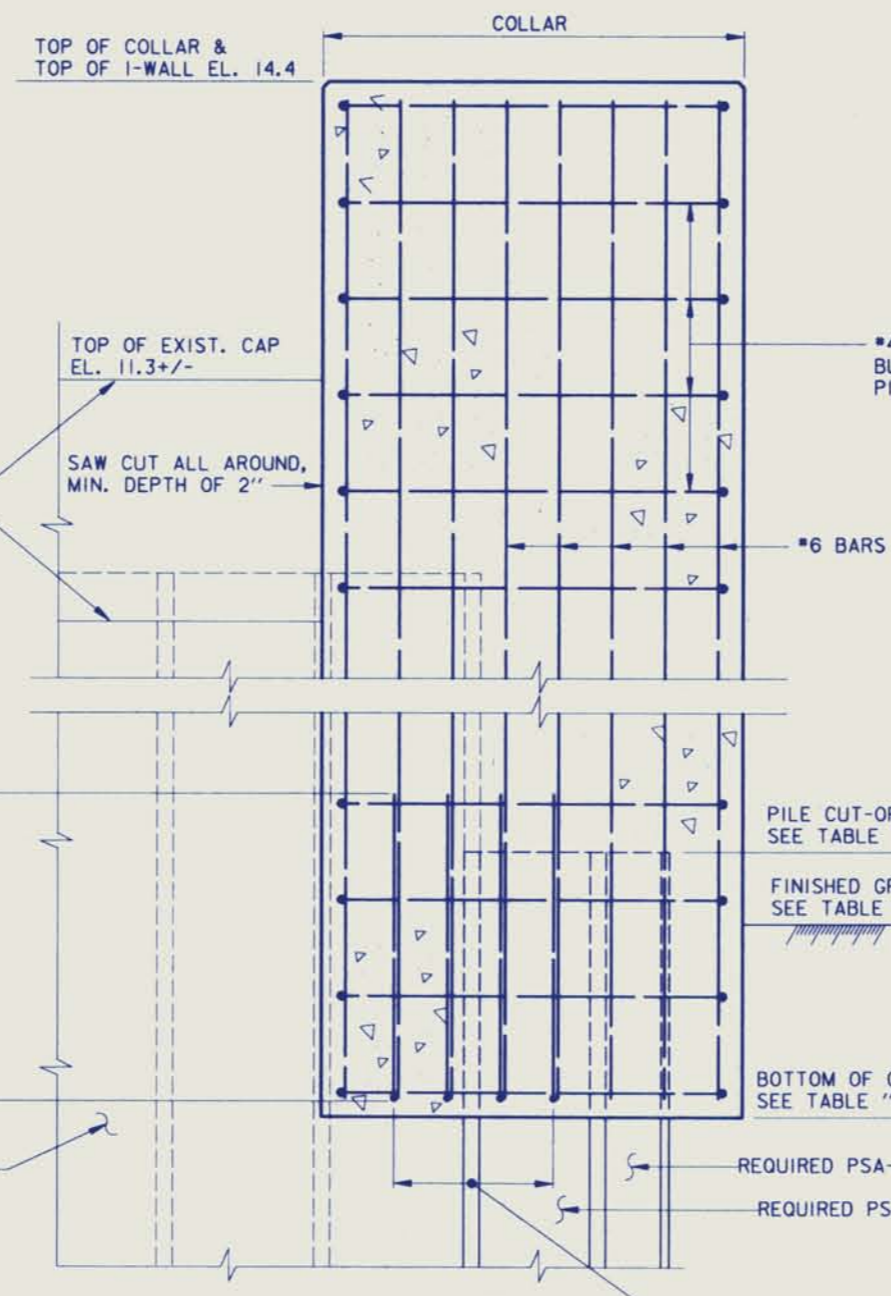
- NOTES:**
1. FOR GENERAL NOTES, SEE DWG. 2.
 2. FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2.
 3. FOR CONCRETE NOTES, SEE DWG. 2.
 4. FOR SHEET PILE DETAILS, SEE DWG. 19.
 5. FOR I-WALL REINFORCEMENT DETAILS, SEE DWG. 35.
 6. FOR PLAN, SEE DWGS. 4 THRU 7.
 7. FOR PROFILES, SEE DWGS. 12 THRU 14.



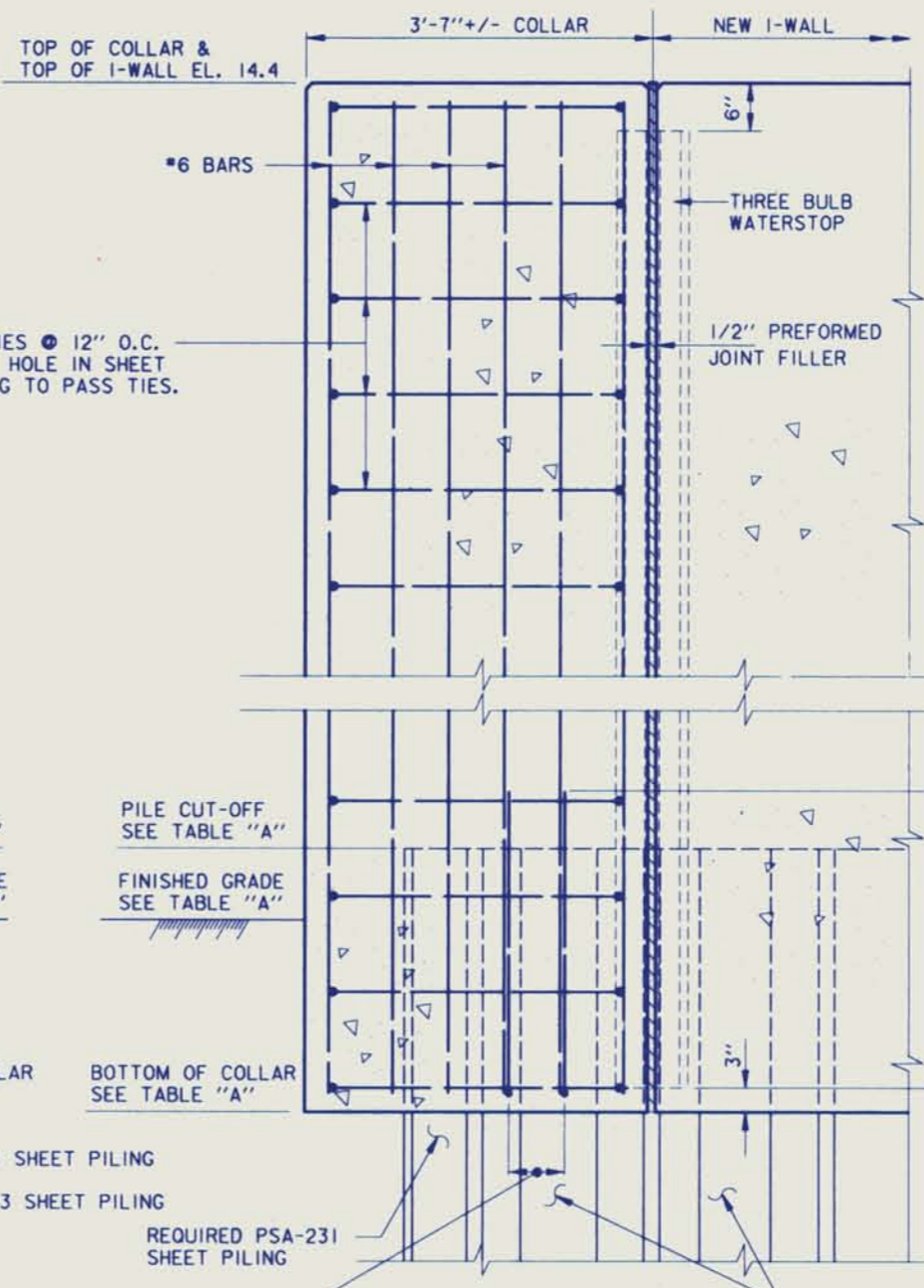
Safety is a Part of Your Contract



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

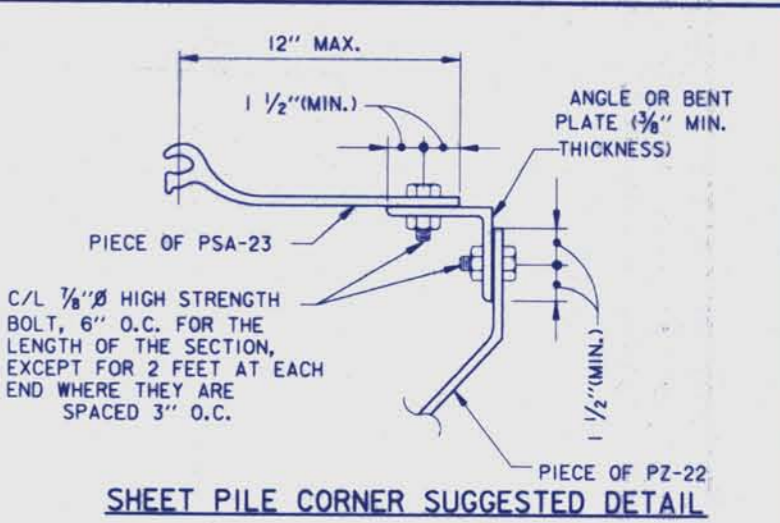
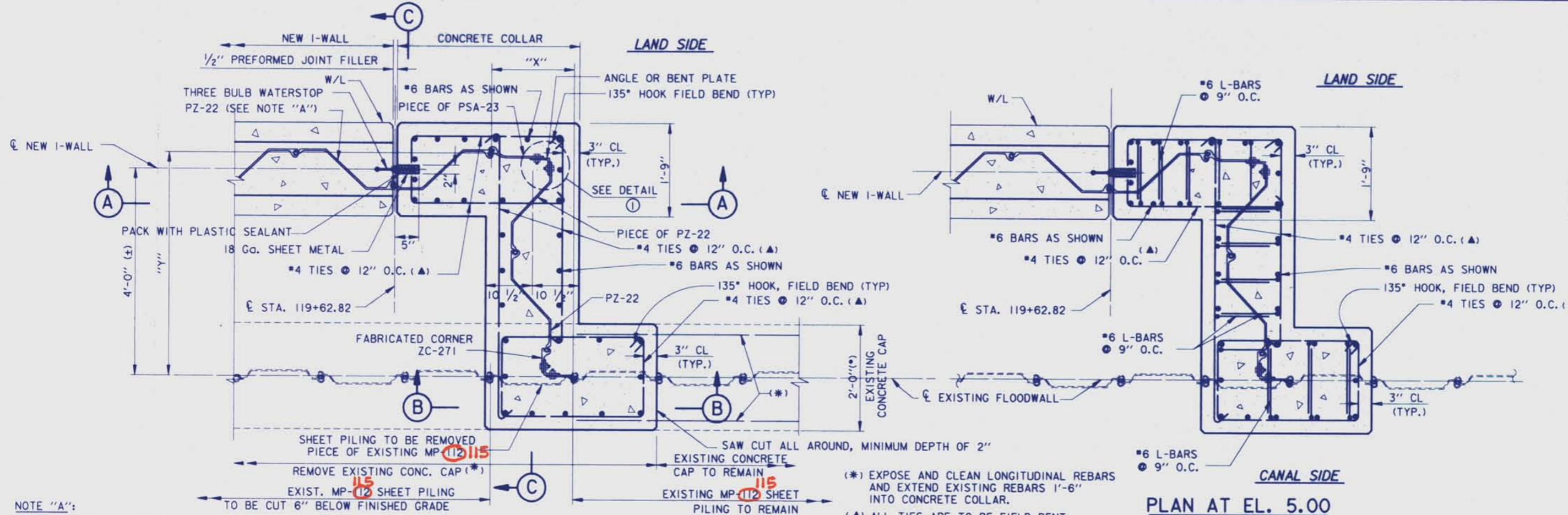


SECTION B
SCALE: 1" = 1'-0"



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

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
EXISTING FLOODWALL TO NEW I-WALL CONNECTION-WEST SIDE			
DESIGNED BY: B.D.	DATE: 2/94	PLOT SCALE: 12	PLOT DATE: 2/07/94
DRAWN BY: M.W.B.	CADD FILE: 4029528.DWG	FILE NO. H-4-40295	
CHECKED BY: B.D.	SUBMITTED BY: MICHAEL G. JACKSON, P.E. DESIGN ENGINEER	SOLICITATION NO. DACW29-94-B-0047	DWG. 29 OF 73



NOTE: - DIMENSION "X" AND "Y" ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AND THE APPROPRIATE SHEET PILE PIECES ARE TO BE FABRICATED IN ORDER TO INTERLOCK NEW SHEET PILING TO EXISTING SHEET PILING.
CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR APPROVAL TO THE CONTRACTING OFFICER, PRIOR TO FABRICATION OF ANY MATERIALS. THESE SHOP DRAWINGS ARE TO SHOW ALL DIMENSIONS, REINFORCEMENT, AND SHEET PILE PIECES FOR THE CONNECTION.

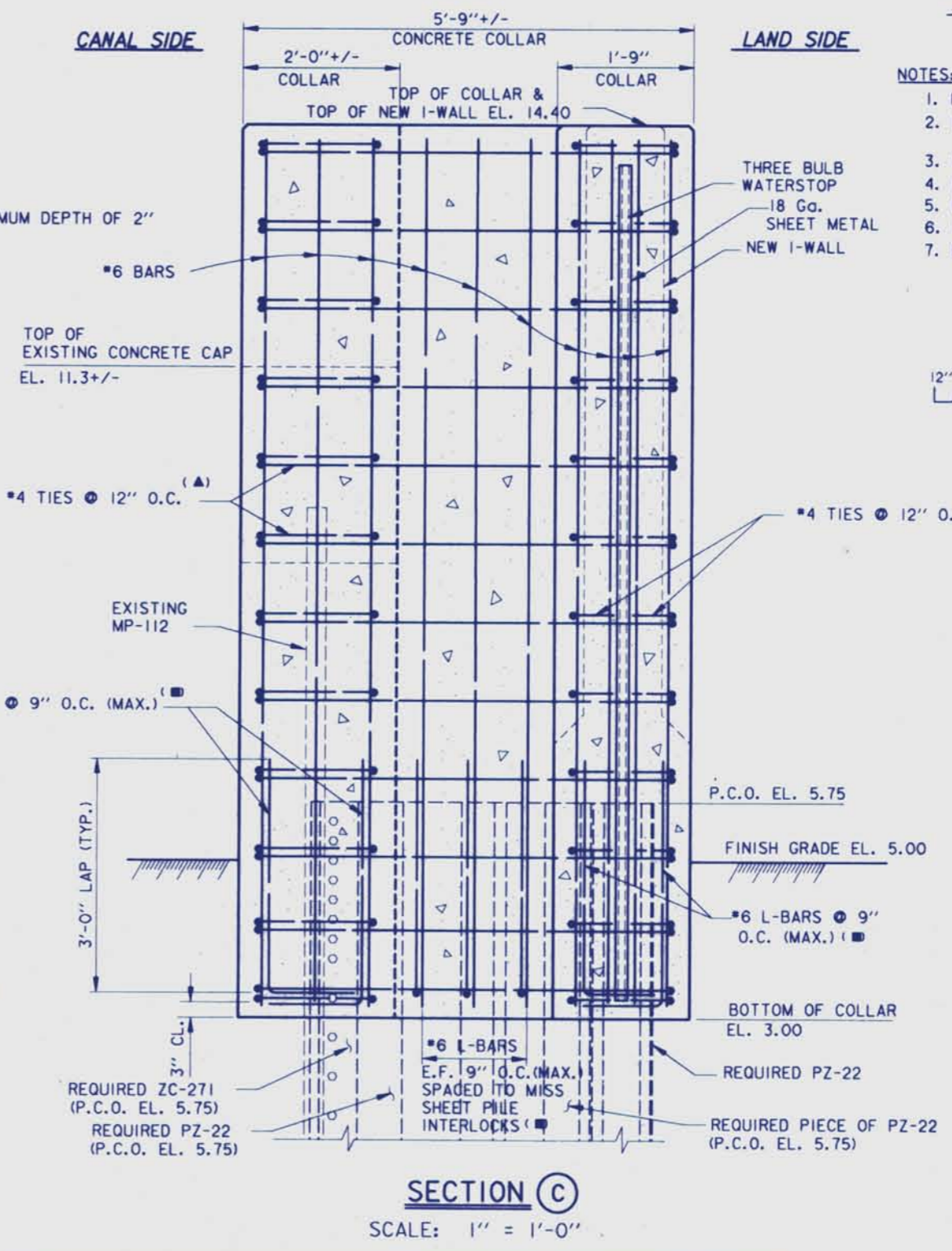
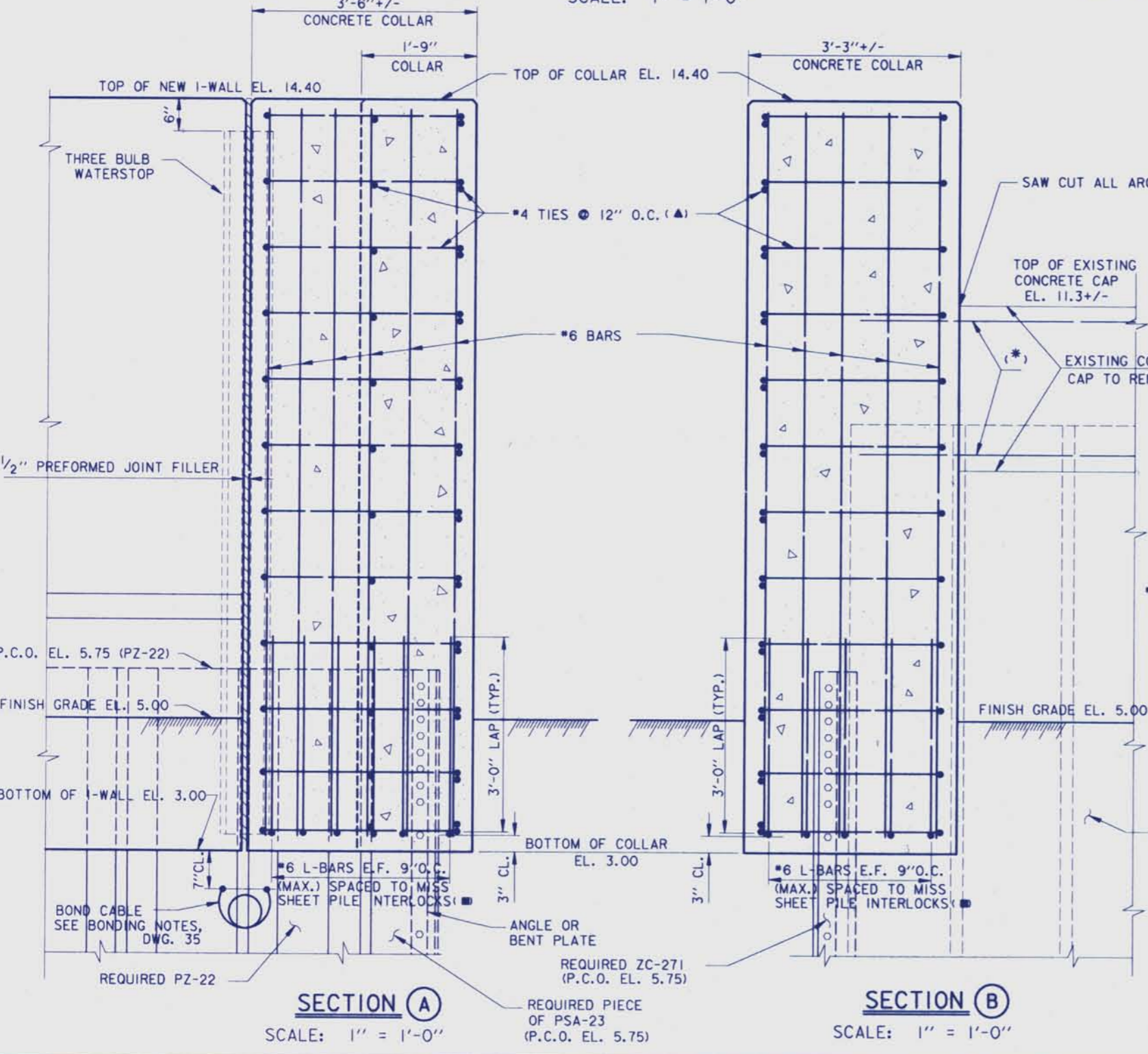
- S&WB FEEDER LINE NOT SHOWN FOR CLARITY. FOR DETAILS, SEE DWGS. 49 & 50.

- BURN HOLES IN SHEET PILING TO PASS REINFORCEMENT, SEE NOTE 2, DWG. 19.

- TIP ELEVATION FOR SHEET PILING AND ALL OTHER PIECES SHALL BE -16.00

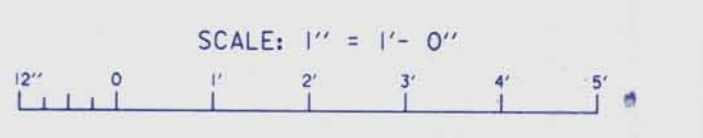
NOTE "A":
COLLAR TO INCLUDE AT LEAST ONE PZ-22 SO THAT WHEN COLLAR IS REMOVED FOR FUTURE I-WALL THERE IS A SHEET PILE TO INTERLOCK FUTURE SHEET PILING TO EXISTING SHEET PILING.

(*) EXPOSE AND CLEAN LONGITUDINAL REBARS AND EXTEND EXISTING REBARS 1'-6" INTO CONCRETE COLLAR.
(▲) ALL TIES ARE TO BE FIELD BENT.
(■) #6 L-BARS TO LAP #6 BARS AS SHOWN IN PLAN AT EL. 5.00



NOTES:

- FOR GENERAL NOTES, SEE DWG. 2.
- FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2.
- FOR CONCRETE NOTES, SEE DWG. 2.
- FOR SHEET PILE DETAILS, SEE DWG. 19.
- FOR I-WALL REINFORCEMENT DETAILS, SEE DWG. 35.
- FOR PLAN, SEE DWGS. 4 THRU 7.
- FOR PROFILES, SEE DWGS. 12 THRU 14.

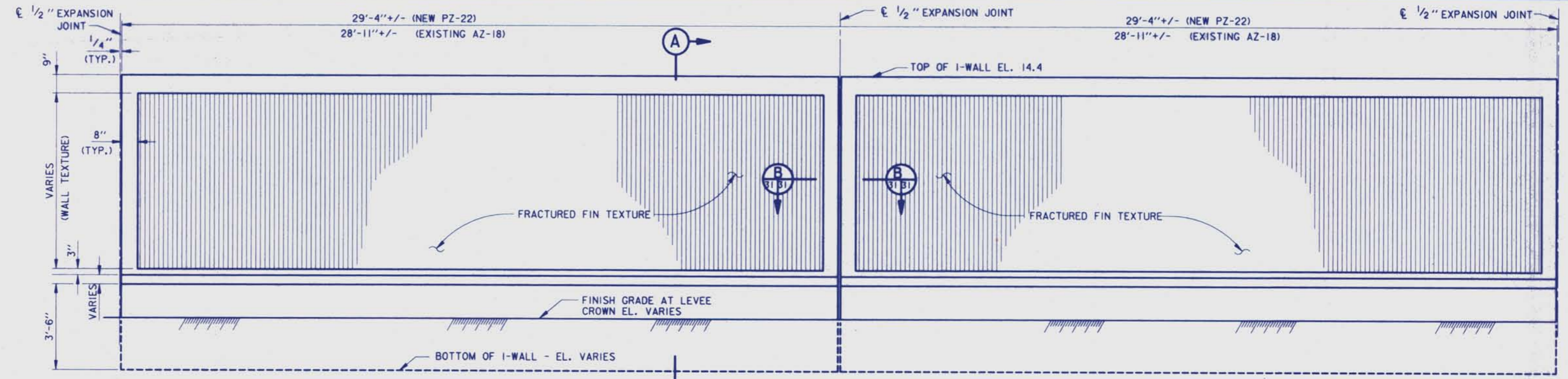


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VALUE ENGINEERING YOUR KEY TO HIGHER PROFITS

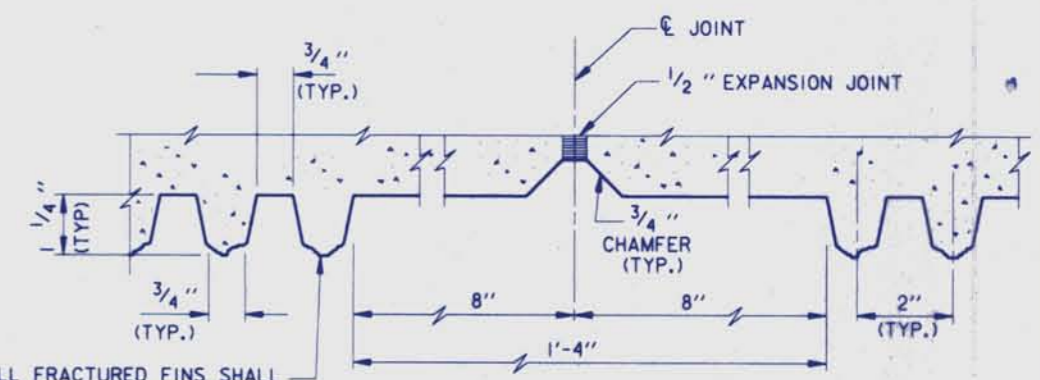
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
EXISTING FLOODWALL TO NEW I-WALL CONNECTION-WEST SIDE			
DESIGNED BY:	B.D.	DATE:	2/94
DRAWN BY:	M.W.	PLOT SCALE:	12
CHECKED BY:	B.D.	FILE NO.:	H-4-40295
SUBMITTED BY:	MICHAEL G. JACKSON, P.E. DESIGN ENGINEER	SOLICITATION NO.:	DACW29-94-B-0047
		DWG. NO.:	30 OF 73

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TYPICAL I-WALL LAND SIDE TEXTURE FINISH

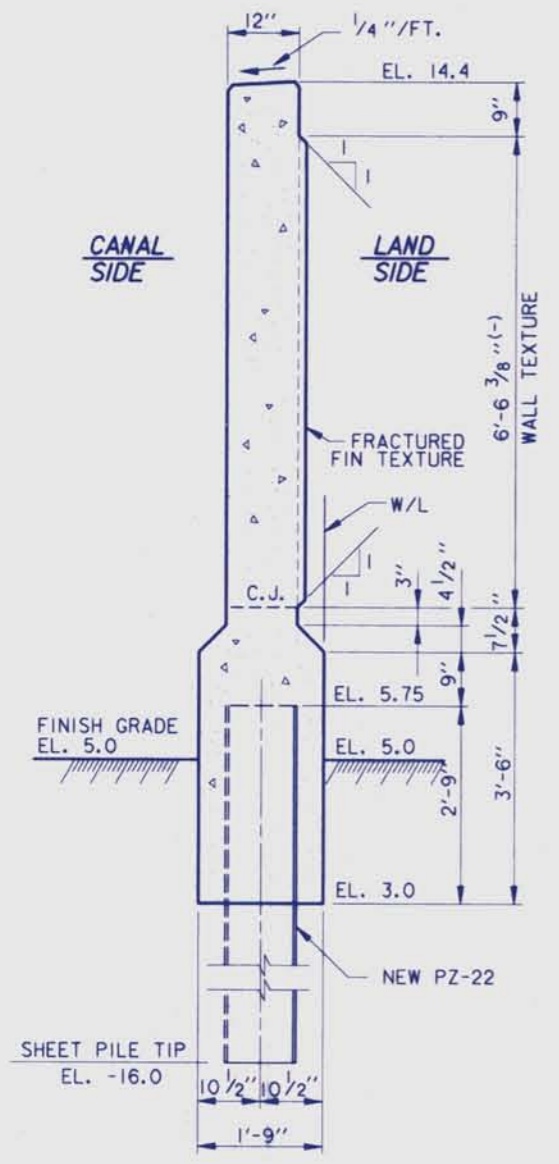
SCALE: 1/2" = 1' - 0"



SECTION B-B TYPICAL TEXTURE AT EXPANSION JOINTS

SCALE: 6" = 1' - 0"

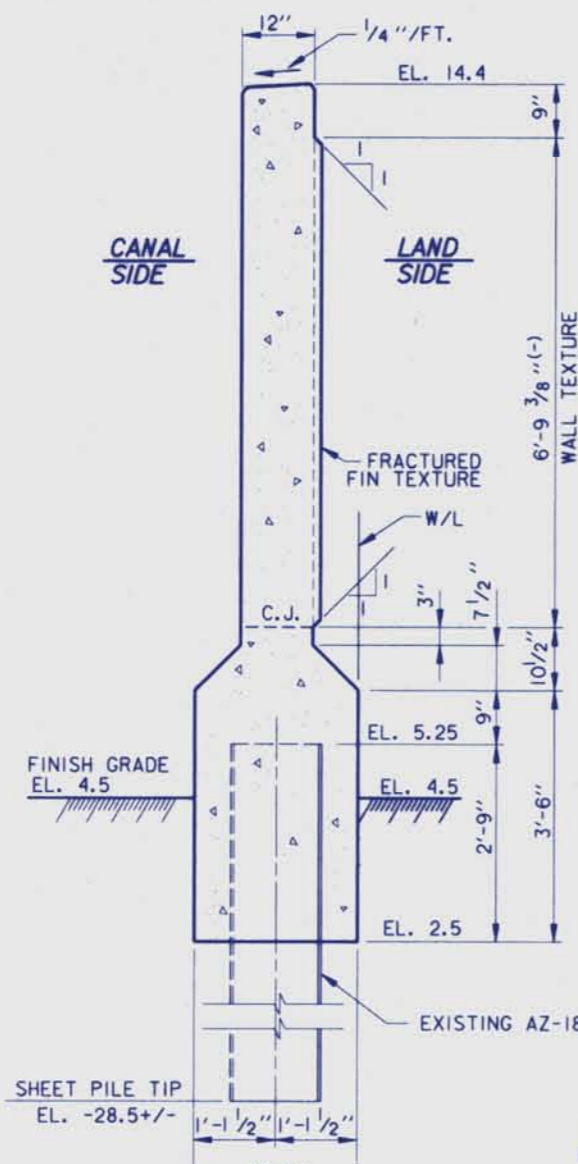
- NOTES:**
1. FOR GENERAL NOTES, SEE DWG. 2.
 2. FOR CONCRETE NOTES, SEE DWG. 2.
 3. ALL FORM TIE BOLTS SHALL BE PLACED IN THE VALLEY OF THE FRACTURED FIN TEXTURE (I.E., BETWEEN ADJACENT FINNS).
 4. CONTRACTOR SHALL MAKE ALL EFFORTS TO MINIMIZE THE OCCURRENCE OF BUTT JOINTS. CONTRACTOR SHALL SUBMIT, FOR PRIOR APPROVAL, DRAWINGS SHOWING THE LOCATION OF ALL BUTT JOINTS IN FORMS USED FOR CONSTRUCTION.
 5. NO ARCHITECTURAL FINISH ON CANAL SIDE.



STA. 70+26.77 TO STA. 84+31.10 EB/L

SECTION A-A

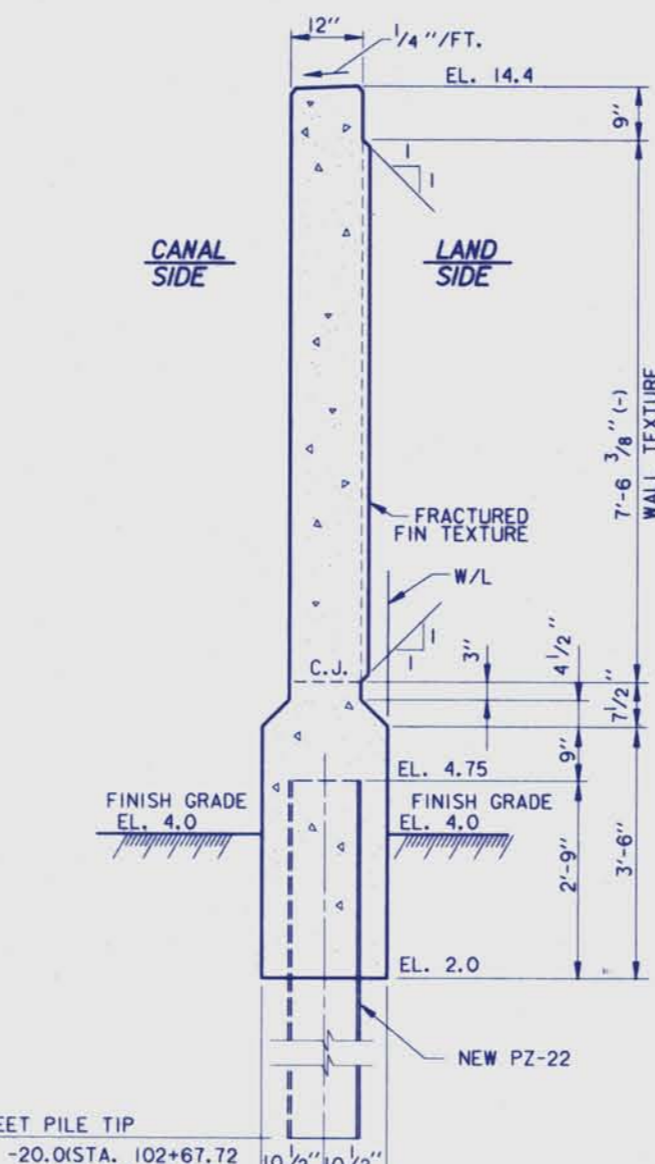
SCALE: 3/4" = 1' - 0"



STA. 85+54.63 TO STA. 99+69.22 EB/L

SECTION A-A

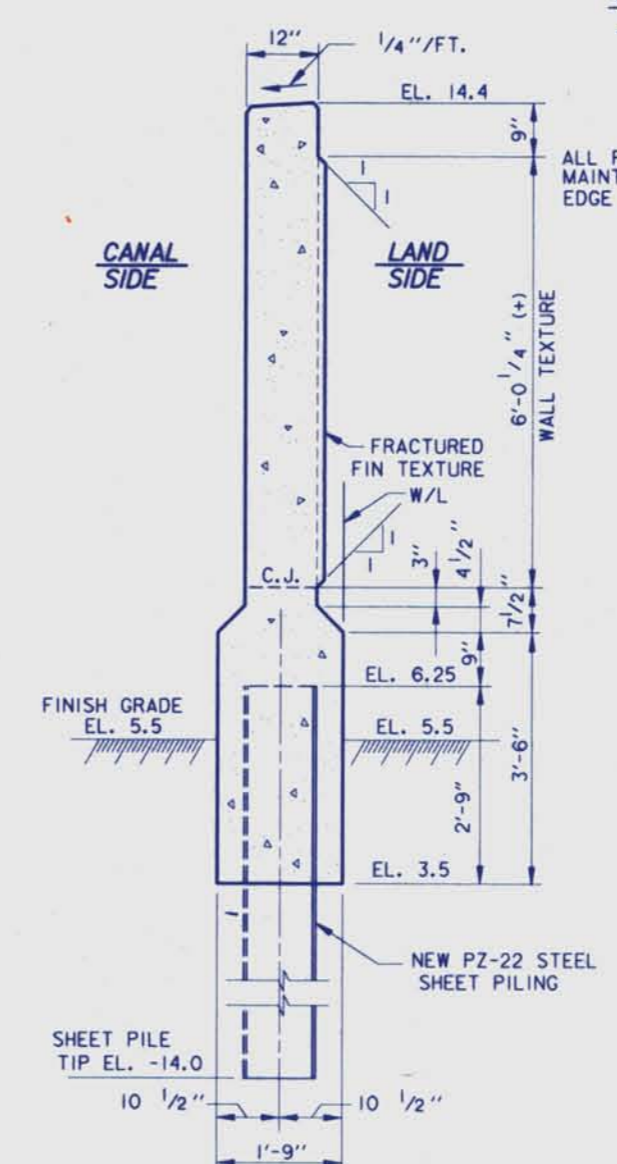
SCALE: 3/4" = 1' - 0"



STA. 102+67.72 TO STA. 119+03.06 EB/L

SECTION A-A

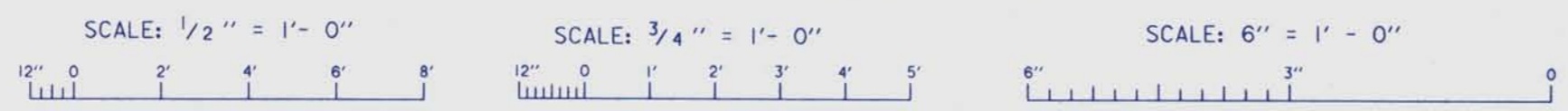
SCALE: 3/4" = 1' - 0"



STA. 120+49.00 TO STA. 126+65.00 EB/L

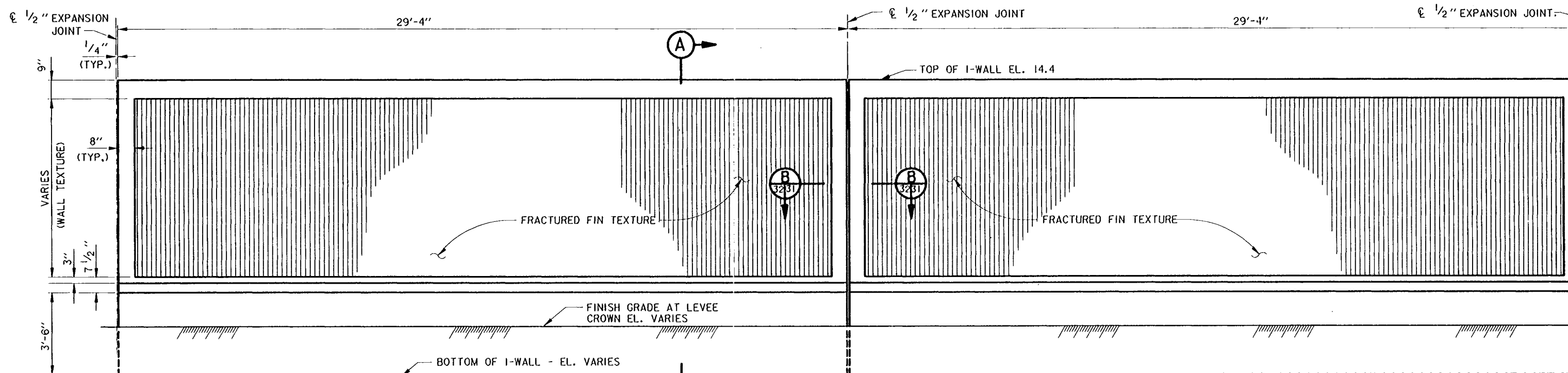
SECTION A-A

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

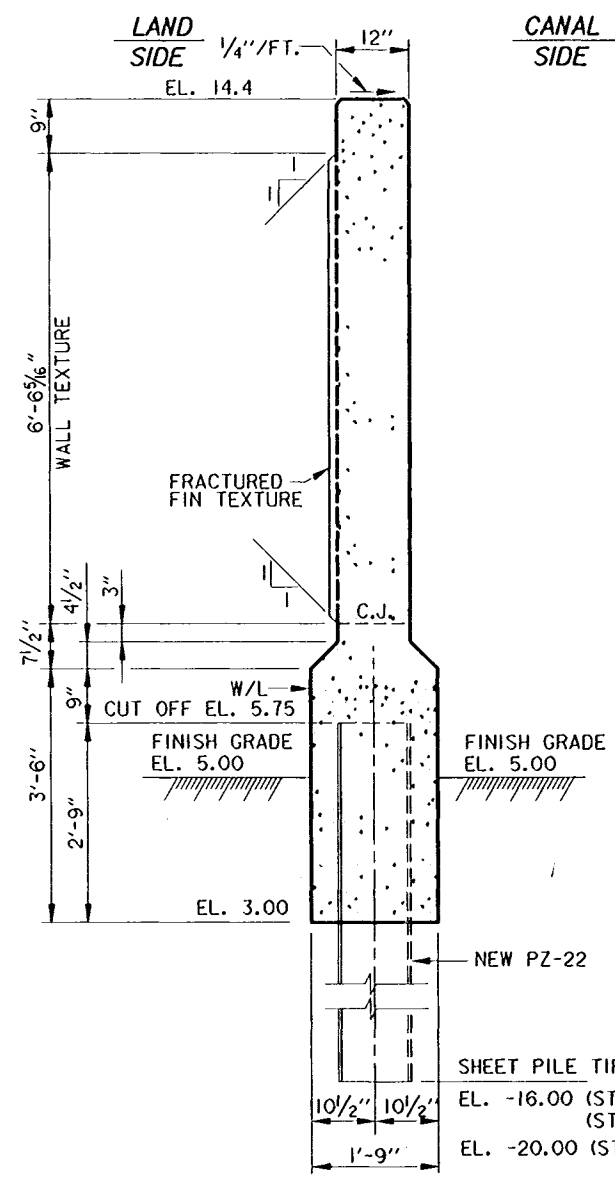


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTCH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
ARCHITECTURAL FINISH EAST SIDE			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 24	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 40295.31	FILE NO: H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 31 OF 73	

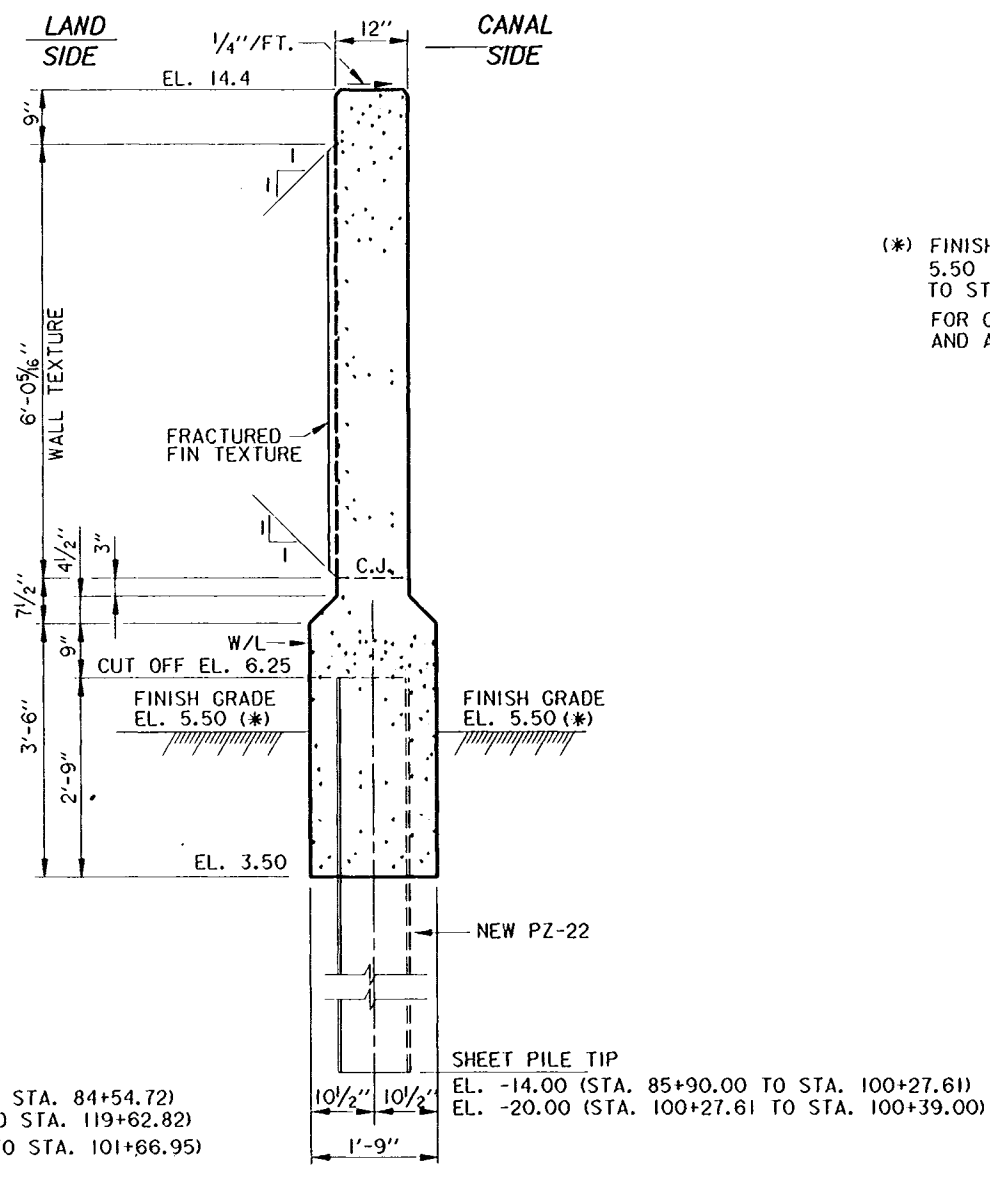
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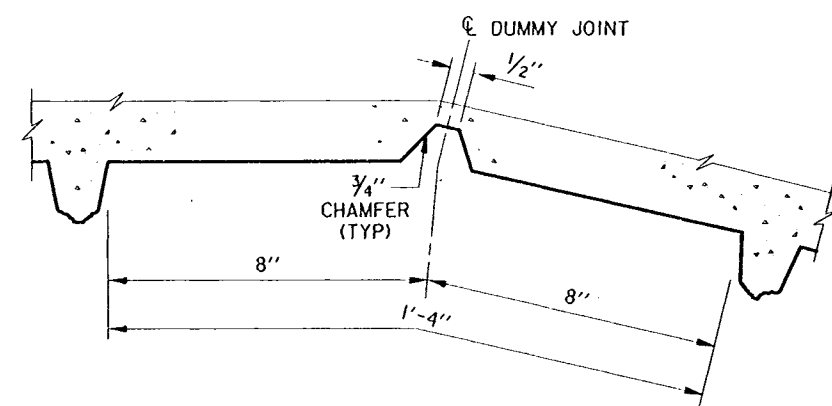
**TYPICAL I-WALL
LAND SIDE TEXTURE FINISH**
SCALE: 1/2" = 1'- 0"



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



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

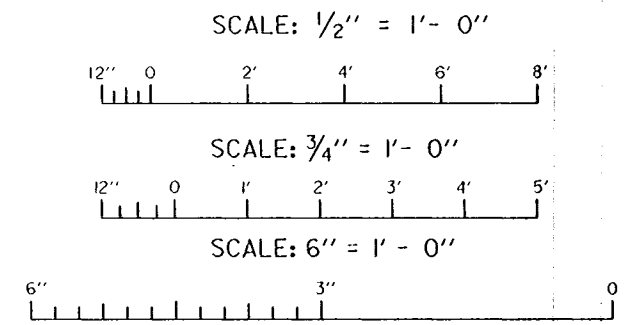


SPECIAL TEXTURE AT P.I.
SCALE: 6" = 1' - 0"

(*) FINISH GRADE ELEVATION VARIES FROM 5.50 TO 5.00 BETWEEN STA. 100+29.00 TO STA. 100+39.00 (SEE DWG. 17 FOR DETAILS) FOR CONCRETE SLOPE PAVEMENT, FEEDER LINE AND ALL OTHER DETAILS, SEE DWG. 17

THIS PLAN ACCOMPANIES MODIFICATION A00007 TO CONTRACT NUMBER DACW29-94-C-0079

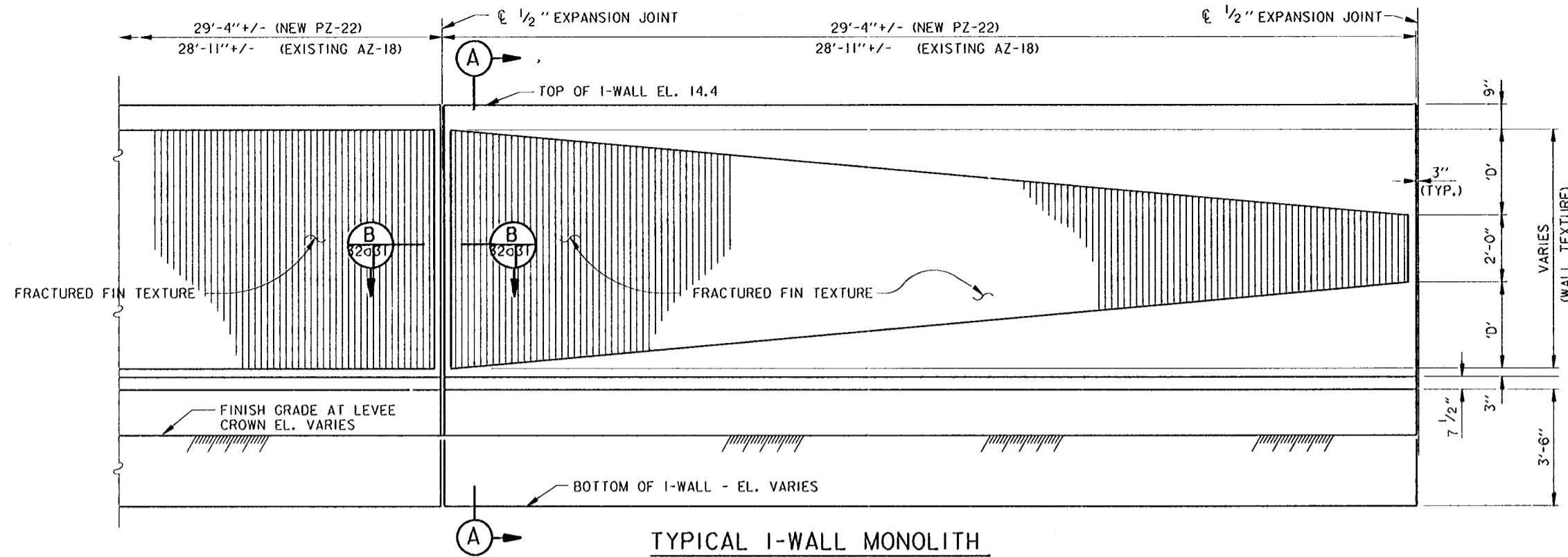
- NOTES:**
1. FOR TREATMENT AT EXPANSION JOINTS AND AND P.I.'S, SEE DWG. 34
 2. FOR OTHER NOTES, SEE DWG. 31



REVISED STATIONS, MOD. A7	11-01-95	B.K.I.
AMEND. NO. 1	10-4-94	B.K.I.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTCH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA		
ARCHITECTURAL FINISH WEST SIDE		
DESIGNED BY: B.D.	DATE: 02/94	PLOT SCALE: 24
DRAWN BY: M.W.B.		PLOT DATE: 3/25/96
CHECKED BY: B.D.		FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	CADD FILE: 4029532.DGN	SOLICITATION NO. DACW29-94-B-0047
BURK-KLEINPETER, INC.		DWG. 32 OF 73

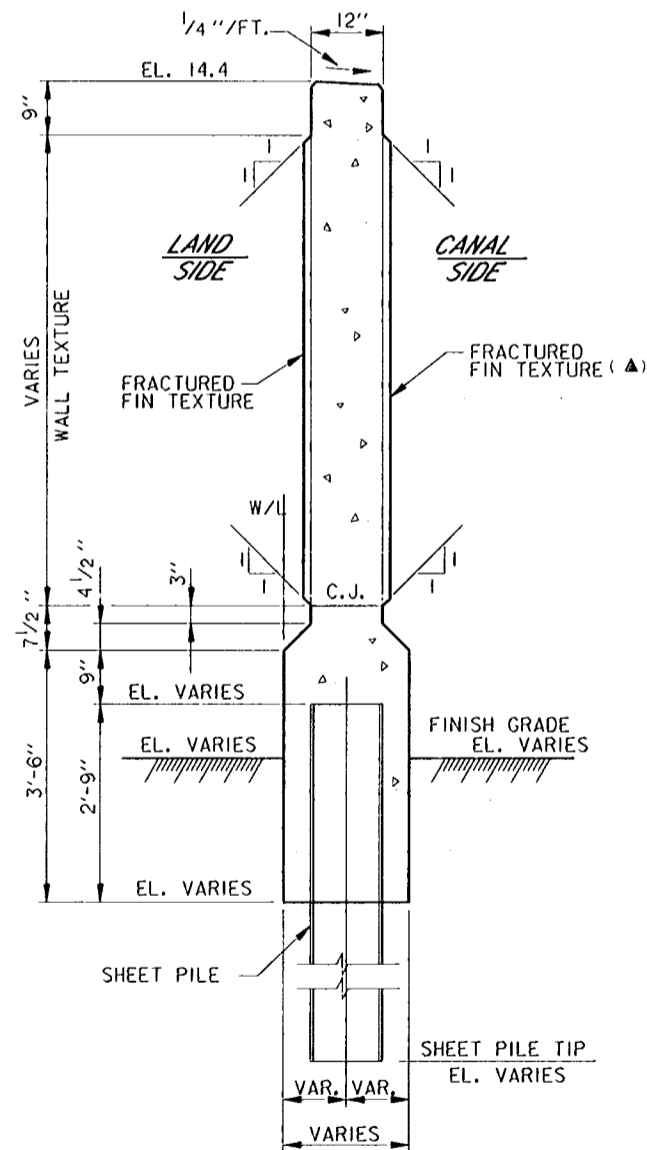


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TYPICAL I-WALL MONOLITH
CANAL SIDE TEXTURE FINISH
 SCALE: 1/2" = 1'-0"

NOTE:
 'D' + 2'-0" + 'D' =
 FIN HEIGHT AT
 OPPOSITE END OF PANEL.



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

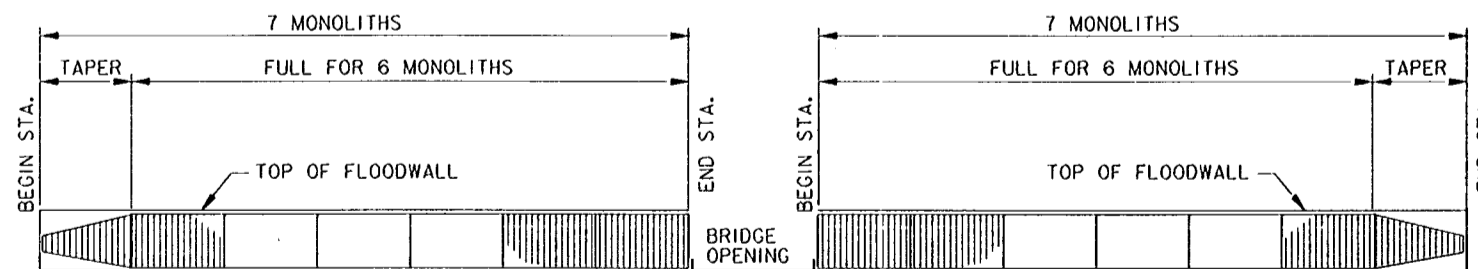
(A) LIMITS OF FRACTURED FIN TEXTURE ON THE CANAL SIDE OF FLOODWALL

WEST SIDE

82 + 49.39	TO	84 + 54.72	WB/L	▲
85 + 90.00	TO	87 + 95.33	WB/L	
117 + 57.49	TO	119 + 62.82	WB/L	

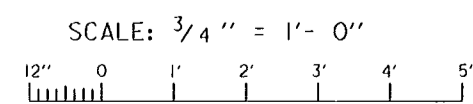
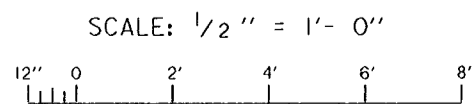
EAST SIDE

82 + 25.77	TO	84 + 31.10	EB/L	▲
85 + 54.63	TO	87 + 57.05	EB/L	
116 + 97.73	TO	119 + 03.06	EB/L	
120 + 49.00	TO	122 + 54.33	EB/L	
124 + 59.67	TO	126 + 65.00	EB/L	



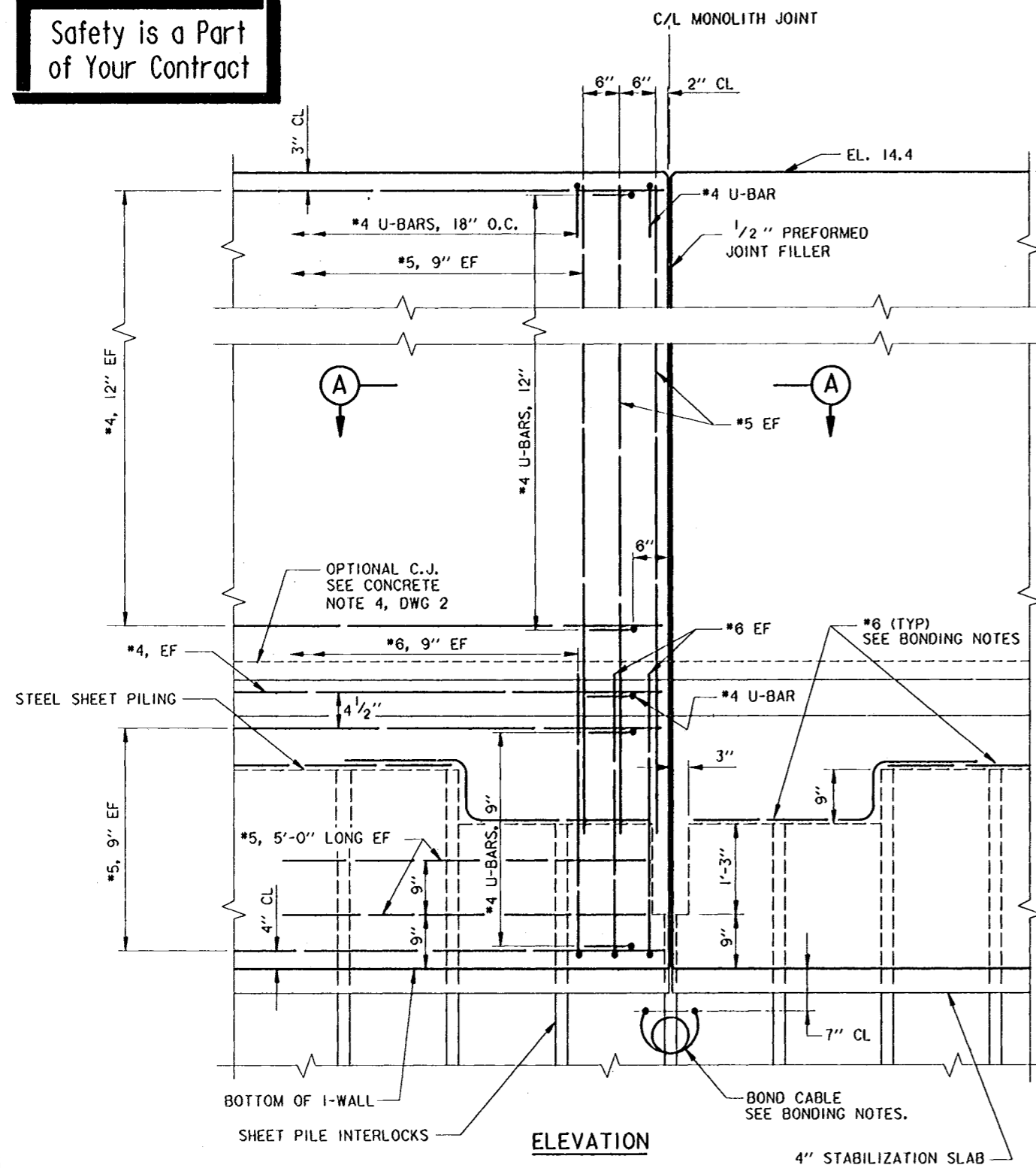
SCHMATIC OF FRACTURED FIN
TEXTURE ON CANAL SIDE OF FLOODWALL
 NOT TO SCALE

NOTE:
 FOR NOTES, SEE DWG. 31



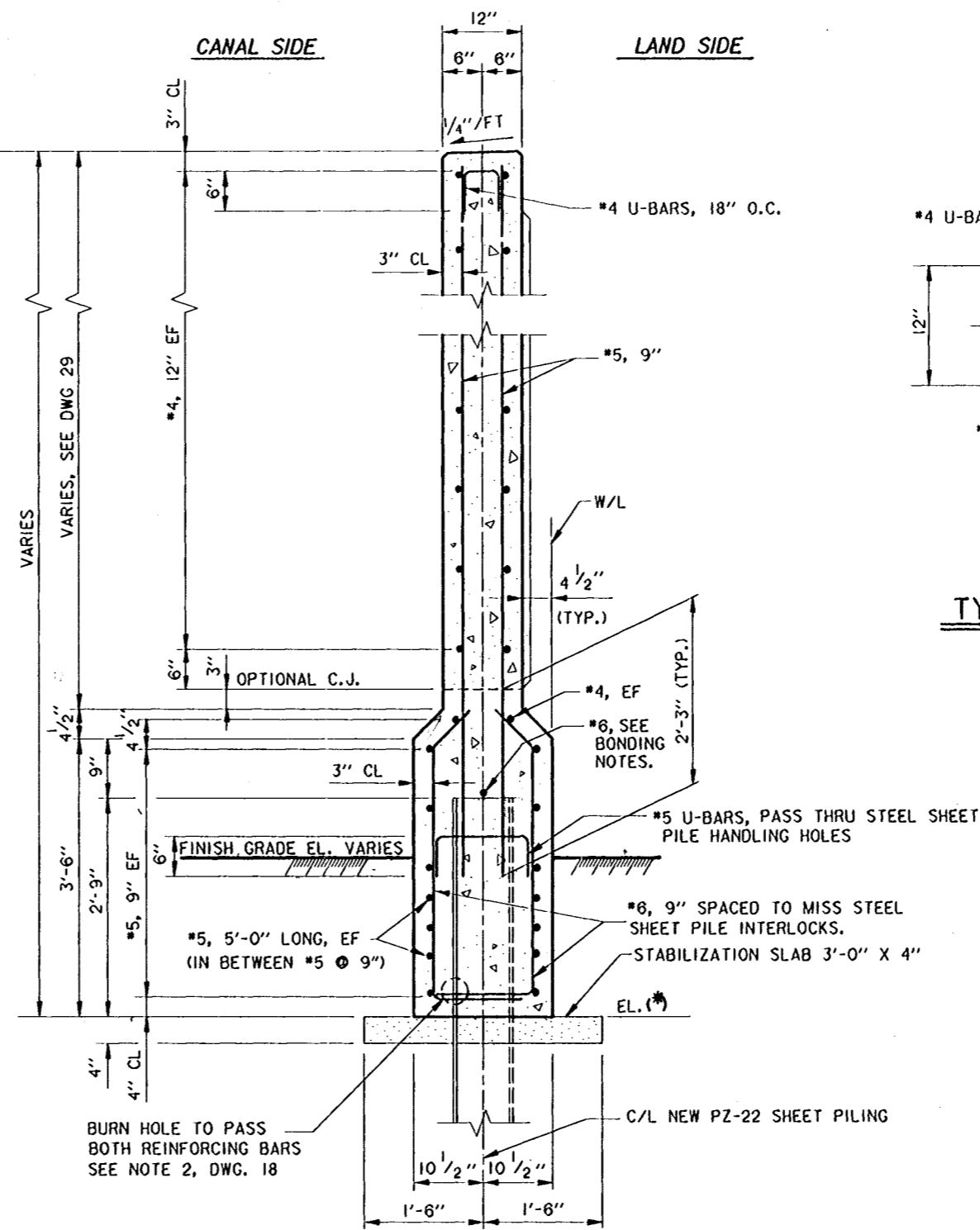
AMEND. NO. 1	DESCRIPTION	10-4-94	B.K.L.
SYMBOL	DATE	APPROVED	
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
ARCHITECTURAL FINISH			
WEST SIDE AND EAST SIDE			
DESIGNED BY: R. CHOPIN	DATE: 03/94	PLOT SCALE: 24	PLOT DATE: 03/25/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029532a.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 32a OF 73	

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DETAIL OF I-WALL MONOLITH JOINTS

SCALE: 1" = 1'-0"



STA. 70+26.77 EB/L TO STA. 84+31.10 EB/L - EL. 3.0
 STA. 102+67.22 EB/L TO STA. 119+03.06 EB/L - EL. 2.0
 STA. 120+49.00 EB/L TO STA. 126+65.00 EB/L - EL. 3.5

TYPICAL I-WALL SECTION

SCALE: 1" = 1'-0"

NOTES:

- FOR GENERAL NOTES, SEE DWG. 2
- FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2.
- FOR CONCRETE NOTES, SEE DWG. 2.
- FOR SHEET PILE DETAILS, SEE DWG. 18
- FOR PLAN, SEE DWGS. 4 THRU 7
- FOR PROFILE, SEE DWGS. 12 THRU 14
- FOR ARCHITECTURAL FINISH, SEE DWG. 13

BONDING NOTES:

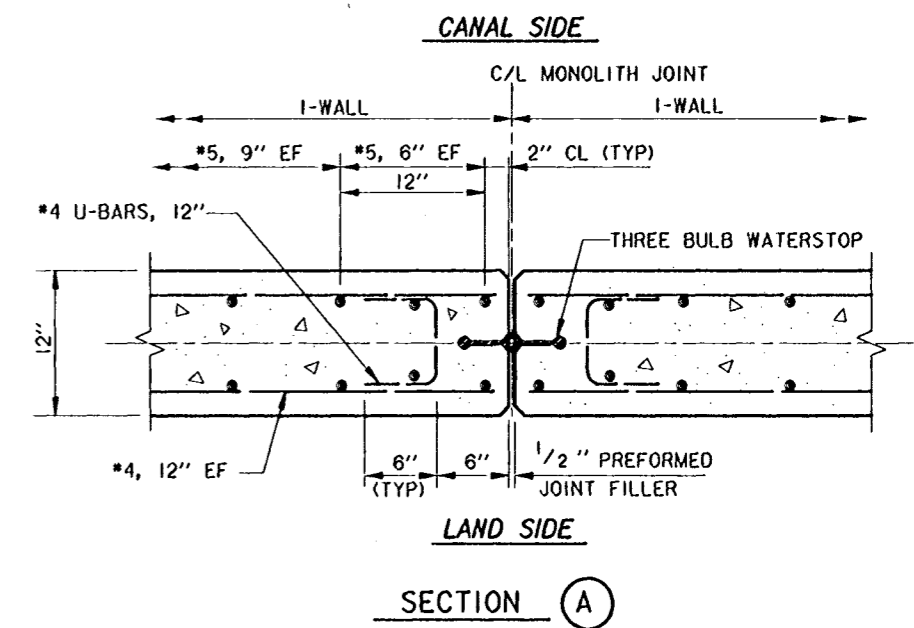
#6 REINFORCING BAR TO BE WELDED TO THE TOP OF EACH STEEL SHEET PILE. #6 REINFORCING BAR SHALL NOT EXTEND ACROSS THE MONOLITH JOINT. INSTALL BOND CABLE AT ALL I-WALL JOINTS.

BOND CABLE SHALL HAVE AN 8" DIAMETER LOOP TO ALLOW FOR STRESSES. BOND CABLES SHALL BE WELDED AS SPECIFIED TO ADJACENT STEEL PILES 7" BELOW BOTTOM OF CONCRETE CAP FOR I-WALL JOINTS.

WELDED CONNECTIONS SHALL BE COATED WITH SPLICING EPOXY TO OBTAIN MOISTURE PROOF JOINT. SEE SPECIFICATIONS.

#6 REINFORCING BARS SHALL BE WELDED TO THE LAST THREE SHEET PILING AT EACH END OF THE MONOLITH AS SHOWN FOR CONTINUITY.

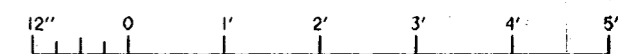
SPLICING OF #6 REINFORCING BAR WILL NOT BE ALLOWED, EXCEPT AT THE ENDS OF I-WALL MONOLITHS AS SHOWN.



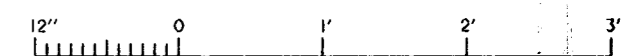
TYPICAL REINFORCEMENT AT MONOLITH JOINTS

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

SCALE: 1" = 1'-0"



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



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

BURK - KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 NEW ORLEANS, LOUISIANA

GOTECH, INC.
 CONSULTING ENGINEERS
 BATON ROUGE, LOUISIANA

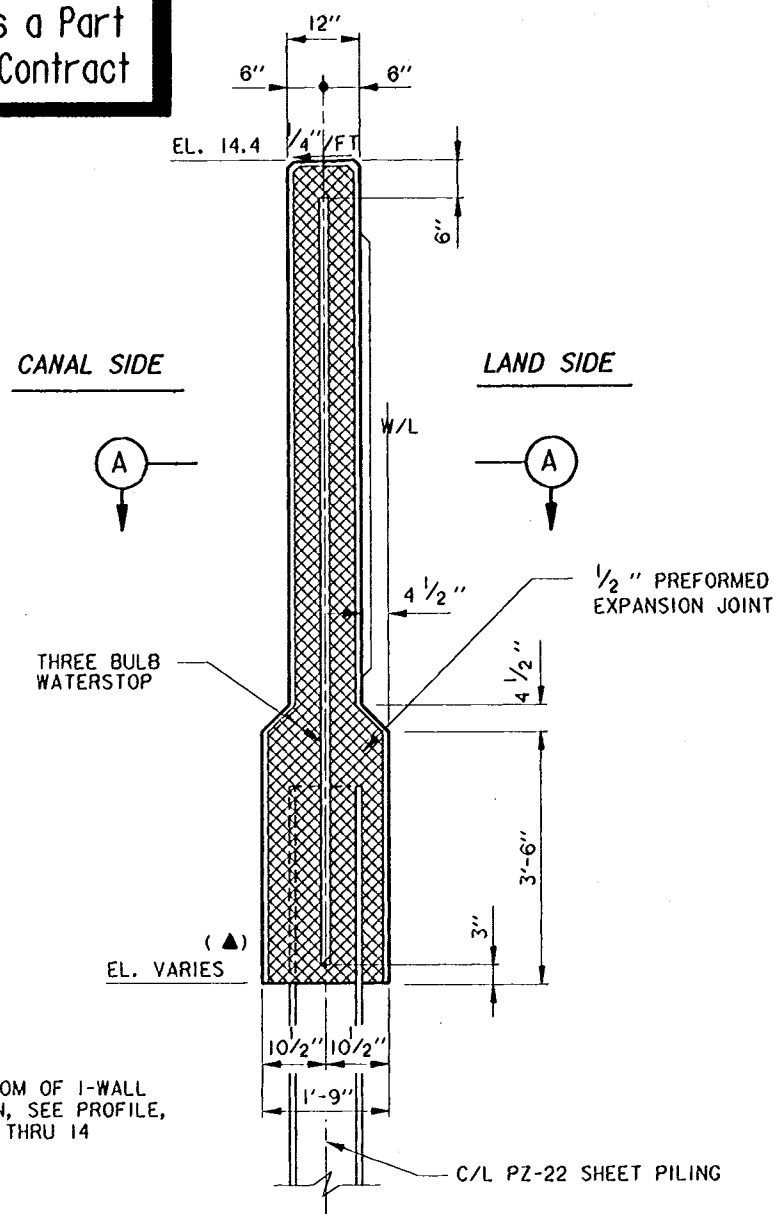
LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
 MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
 MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
 ORLEANS PARISH, LOUISIANA

**I-WALL REINFORCEMENT DETAILS
 EAST SIDE**

DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029533.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 33 OF 73	

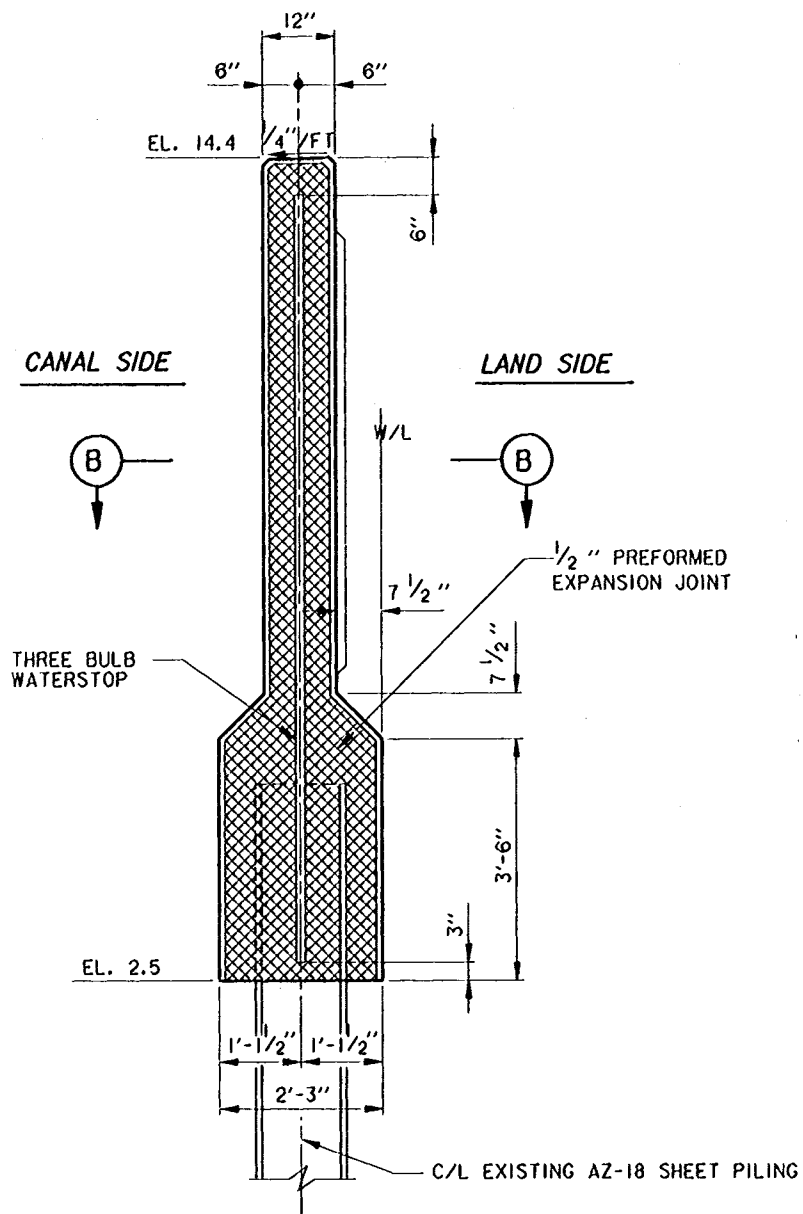


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TYPICAL I-WALL JOINT (PZ-22)

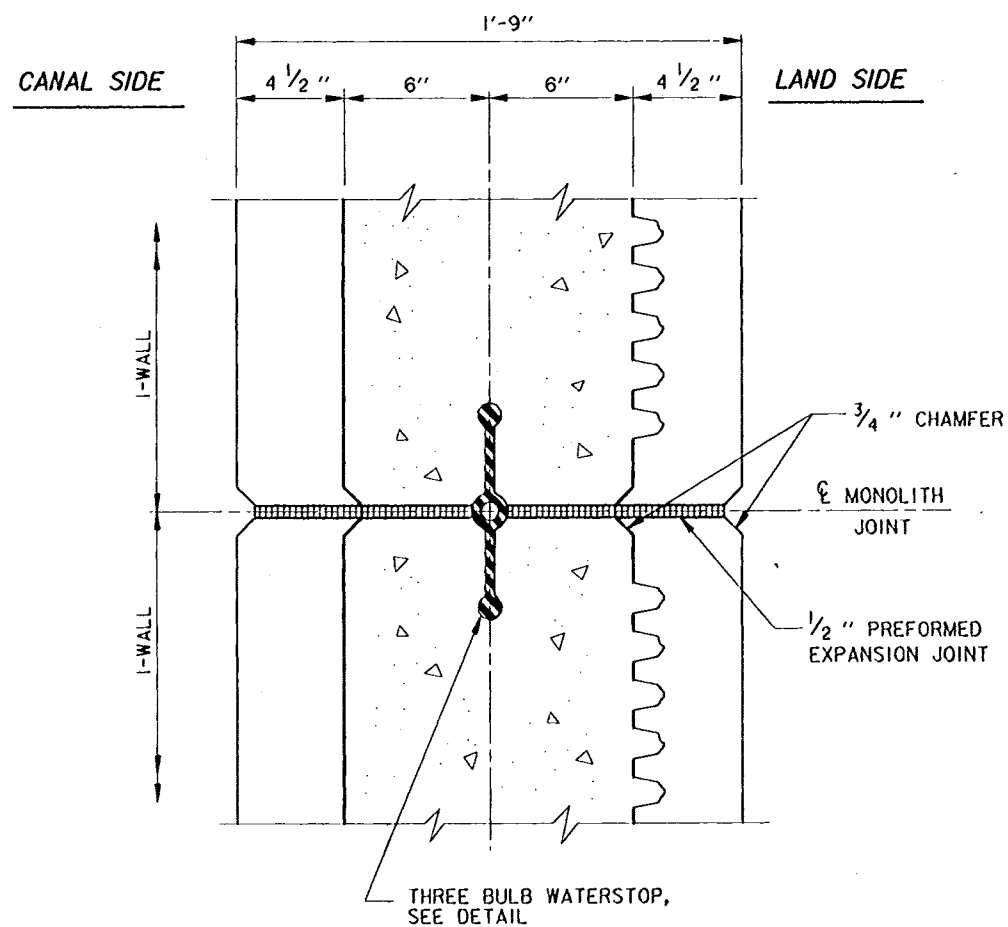
SCALE: 3/4" = 1' - 0"



TYPICAL I-WALL JOINT (AZ-18)

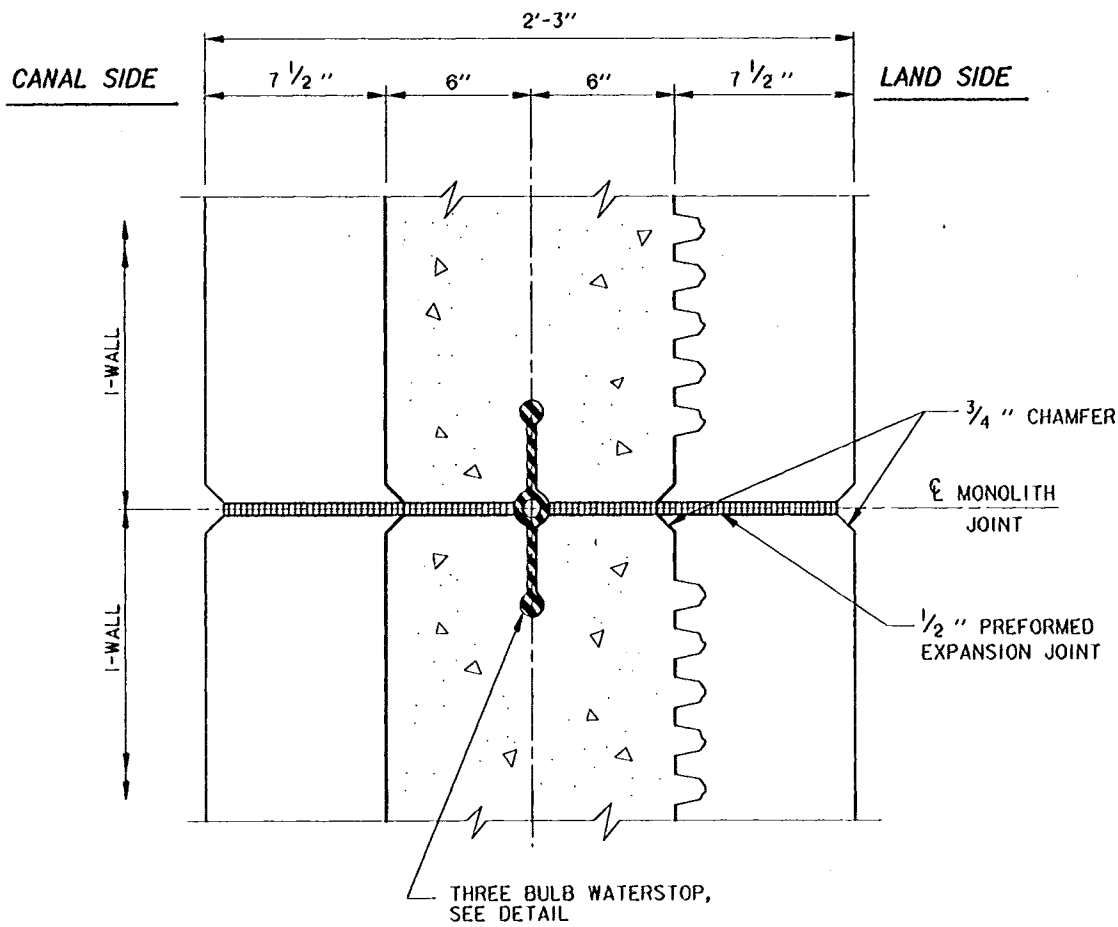
SCALE: 3/4" = 1' - 0"

(▲) NOTE:
FOR BOTTOM OF I-WALL ELEVATION, SEE PROFILE, DWGS. 12 THRU 14



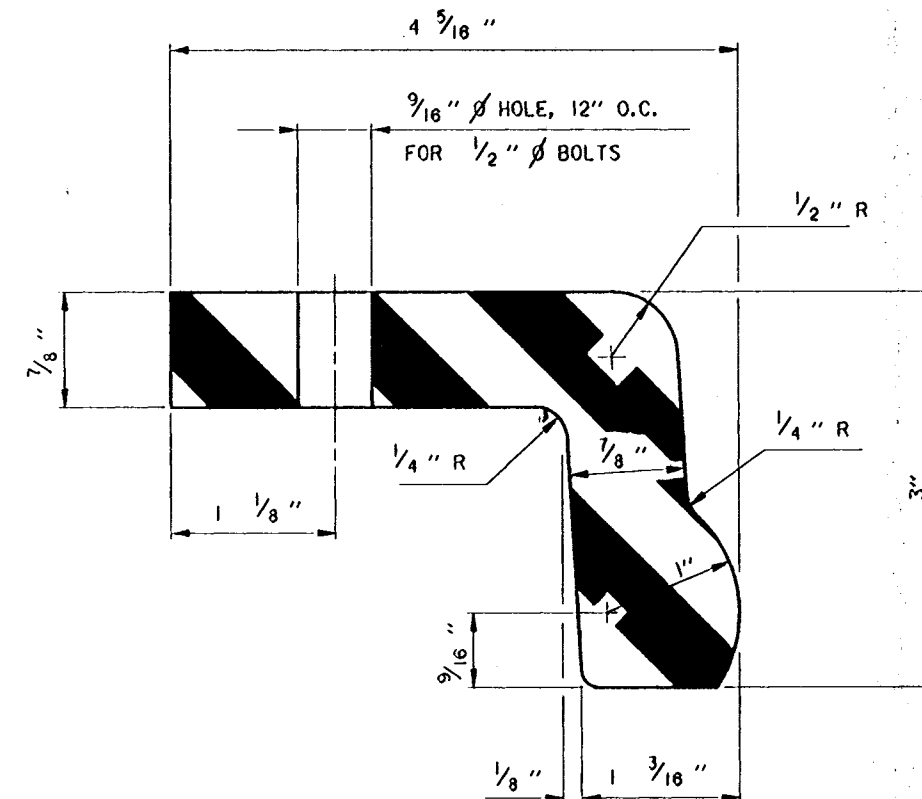
SECTION A

SCALE: 3" = 1' - 0"



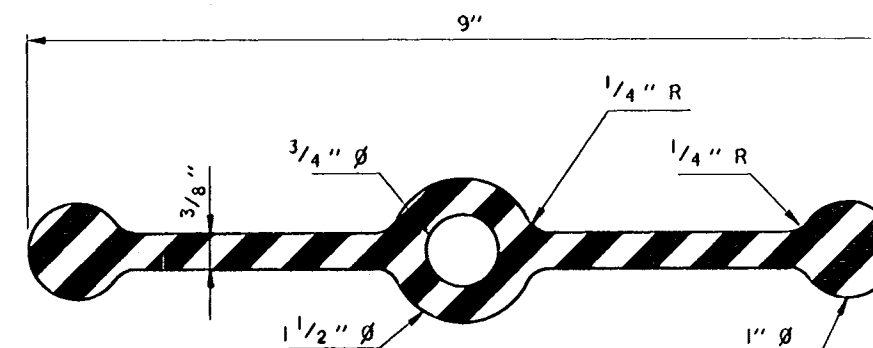
SECTION B

SCALE: 3" = 1' - 0"



"L" TYPE WATERSTOP

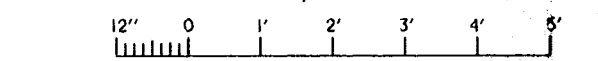
SCALE: 12" = 1' - 0"



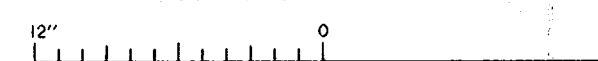
THREE BULB WATERSTOP

SCALE: 12" = 1' - 0"

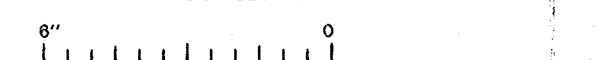
SCALE: 3/4" = 1' - 0"



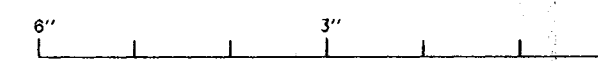
SCALE: 3" = 1' - 0"



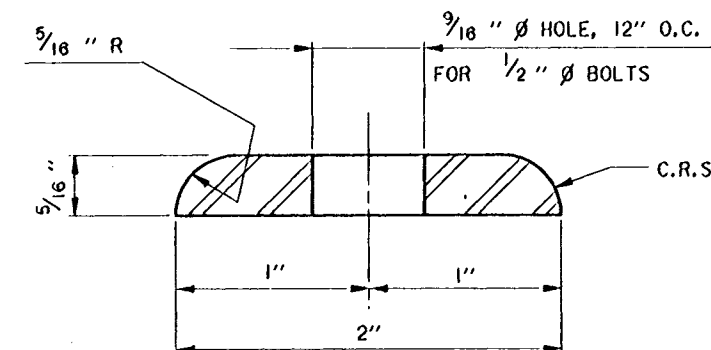
SCALE: 6" = 1' - 0"



SCALE: 12" = 1' - 0"



- NOTES:
- FOR GENERAL NOTES, SEE DWG. 2
 - FOR SHEET PILE DETAILS, SEE DWGS. 18 & 19.
 - FOR I-WALL REINFORCEMENT DETAILS, SEE DWGS. 33-35



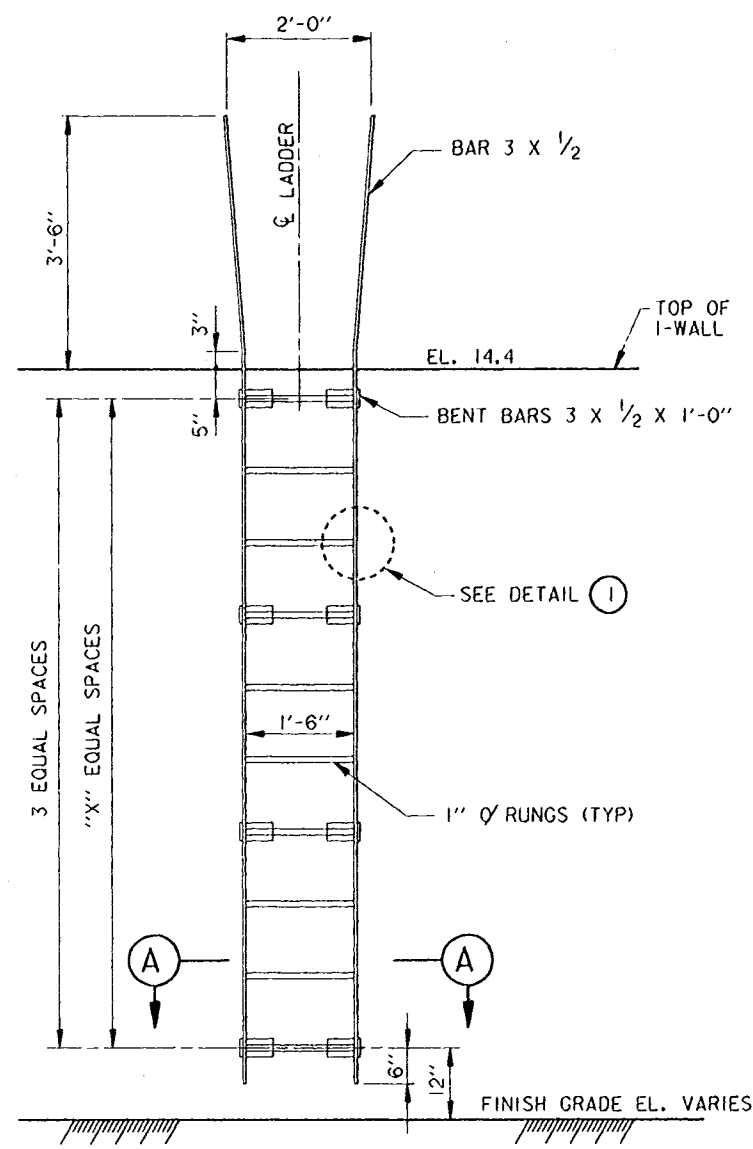
SEAL RETAINING BAR

SCALE: 6" = 1' - 0"

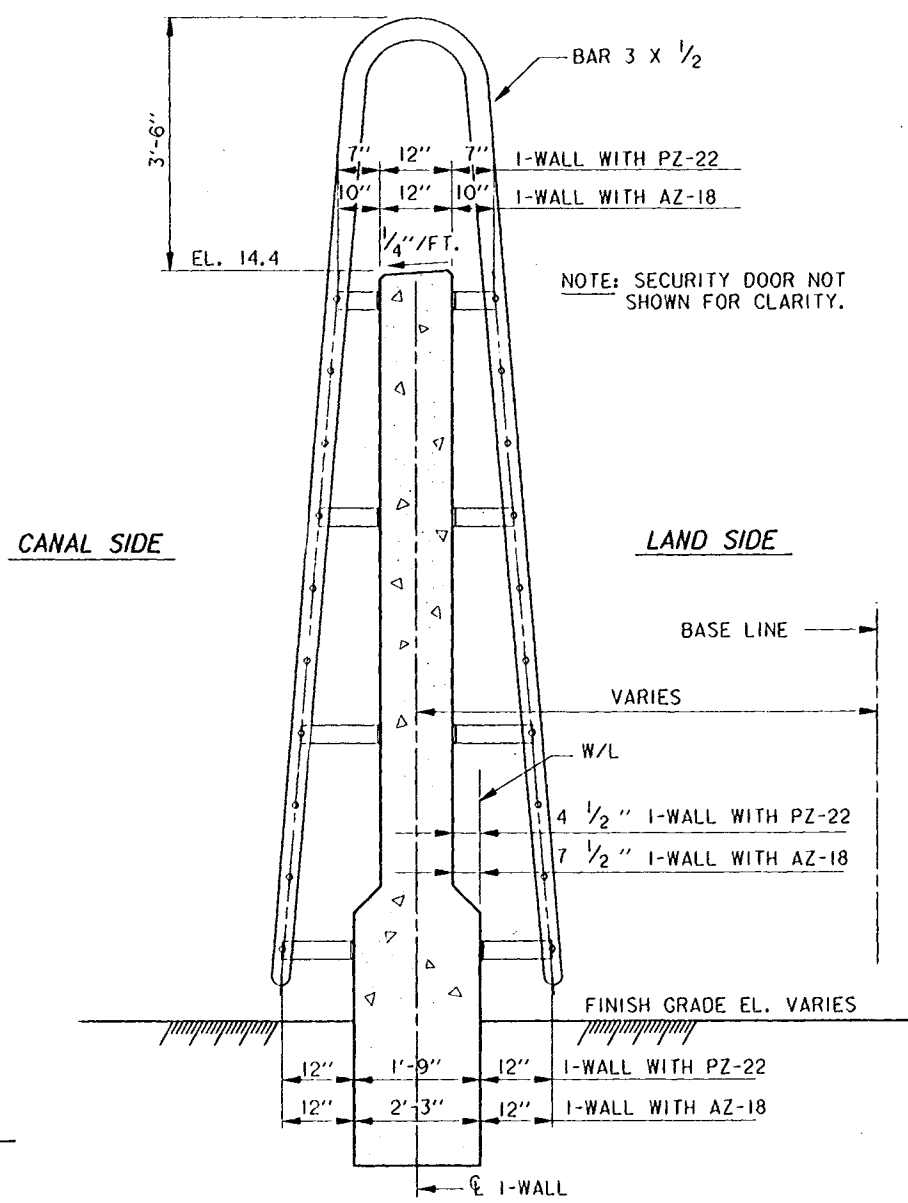
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
TYPICAL JOINT DETAILS			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 1	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CADD FILE: 4029518.DGN	FILE NO.:	H-4-40295
CHECKED BY: S.I. SHAH	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO.:	DACW29-94-B-0047
<small>BURK-KLEINPETER, INC.</small>		DWG. 38 OF 73	



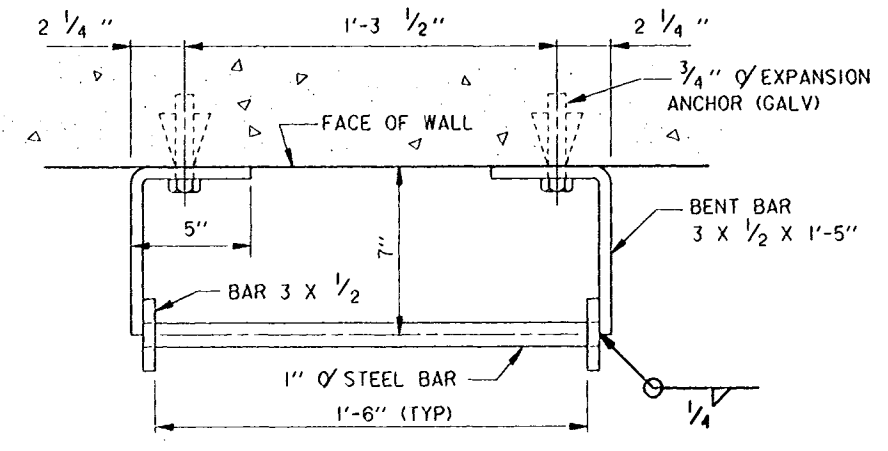
Safety is a Part of Your Contract



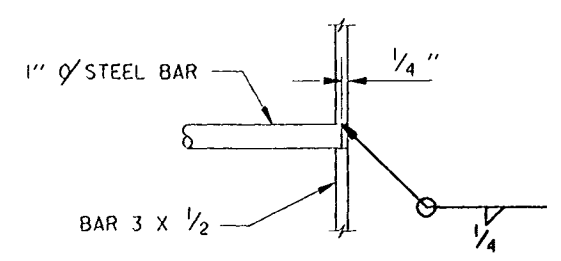
△ CANAL SIDE ELEVATION (LAND SIDE SIMILAR)



△ SECTION



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



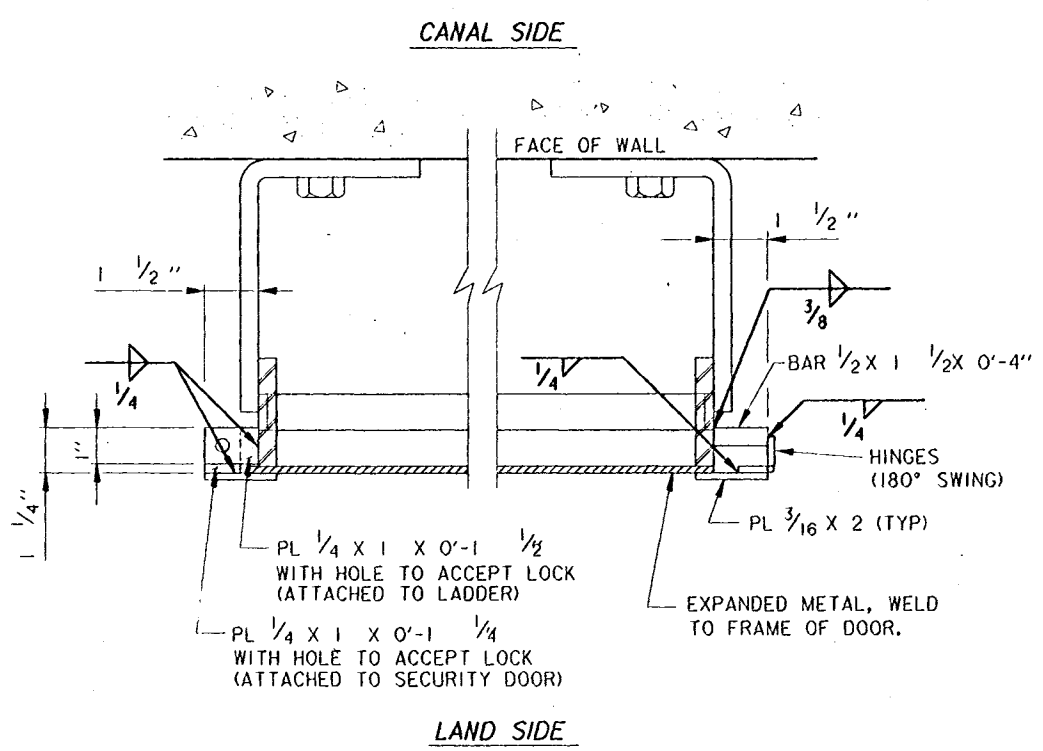
DETAIL (1)
SCALE: 3" = 1'-0"

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

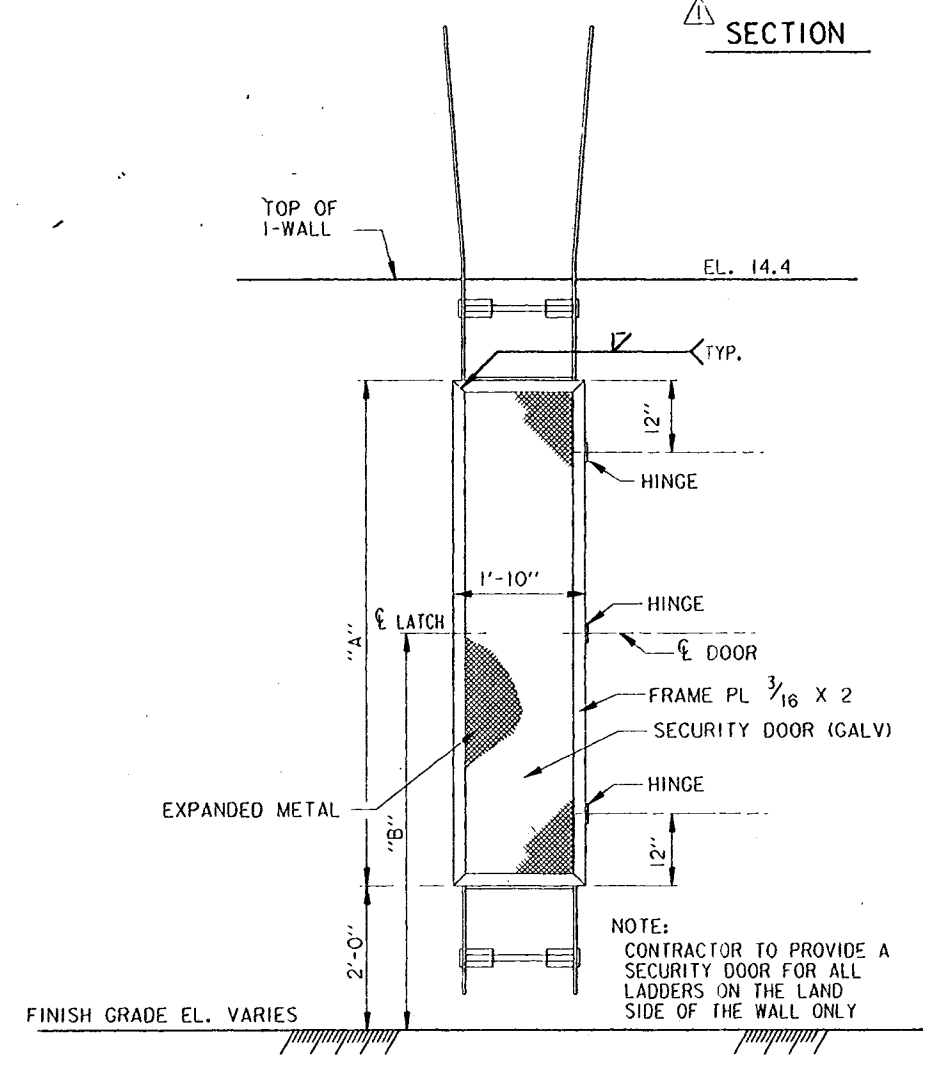
LONDON AVE. LADDER LOCATIONS							
EAST BASE LINE STATION	"A" "B" "X"			WEST BASE LINE STATION	"A" "B" "X"		
	STA. 70+70	6'-0"	5'-0"		8	STA. 71+00	6'-0"
STA. 86+00	6'-6"	5'-3"	9	STA. 84+00	6'-0"	5'-0"	8
STA. 118+60	7'-0"	5'-6"	9	STA. 101+50	6'-0"	5'-0"	8
STA. 120+80	5'-6"	4'-9"	8	STA. 119+50	6'-0"	5'-0"	8

REFERENCE DRAWINGS

FOR GENERAL NOTES, SEE DWG. 2.
FOR PLAN, SEE DWGS. 4 THRU 7
FOR TYPICAL WALL SECTIONS, SEE DWGS. 15-17.
FOR PROFILE, SEE DWGS. 12-14

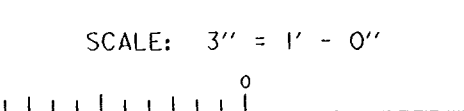
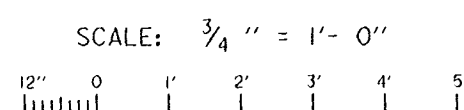
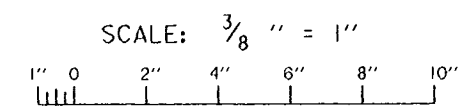


PLAN
SCALE: 3/8" = 1"

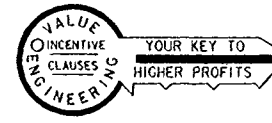


△ LAND SIDE ELEVATION
SCALE: 3/4" = 1'-0"

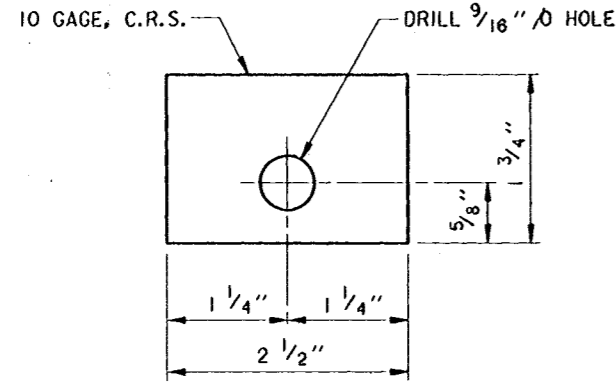
NOTE: ALL LADDERS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.



ADDED DIMENSION LINES; AMEND. NO. 1	5-24-94	B.K.I.
SYMBOL DESCRIPTION	DATE	APPROVED
REVISIONS		
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA		
TYPICAL LADDER DETAILS		
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 16
DRAWN BY: BINH LE		PLOT DATE: 02/04/94
CHECKED BY: S. J. SHAH	CADD FILE: 4029537.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL O. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 37 OF 73
BURK-KLEINPETER, INC.		

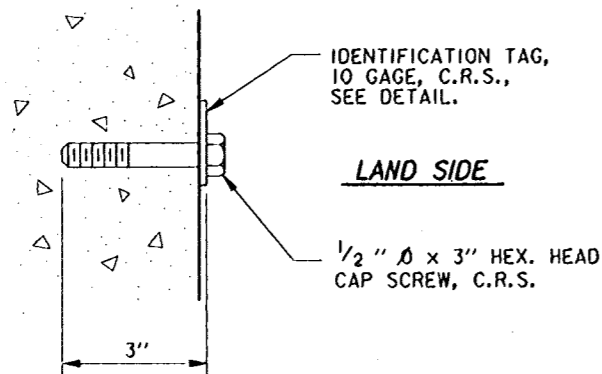


**Safety is a Part
of Your Contract**



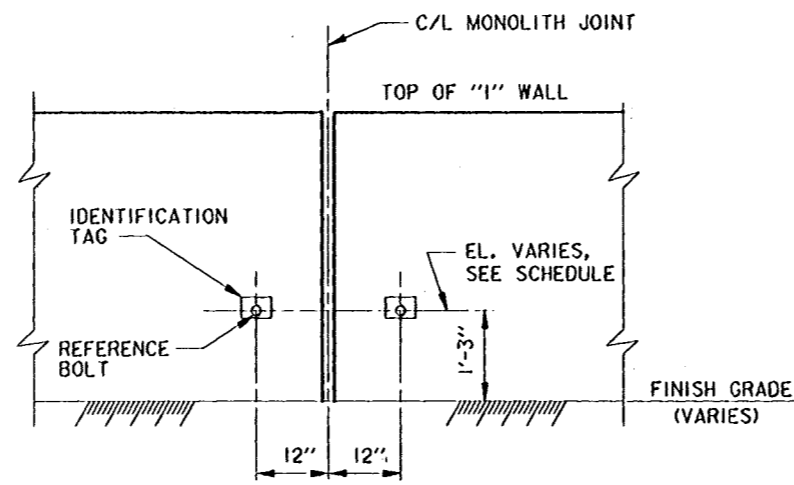
IDENTIFICATION TAG

SCALE: 12" = 1' - 0"



REFERENCE BOLT

SCALE: 6" = 1' - 0"

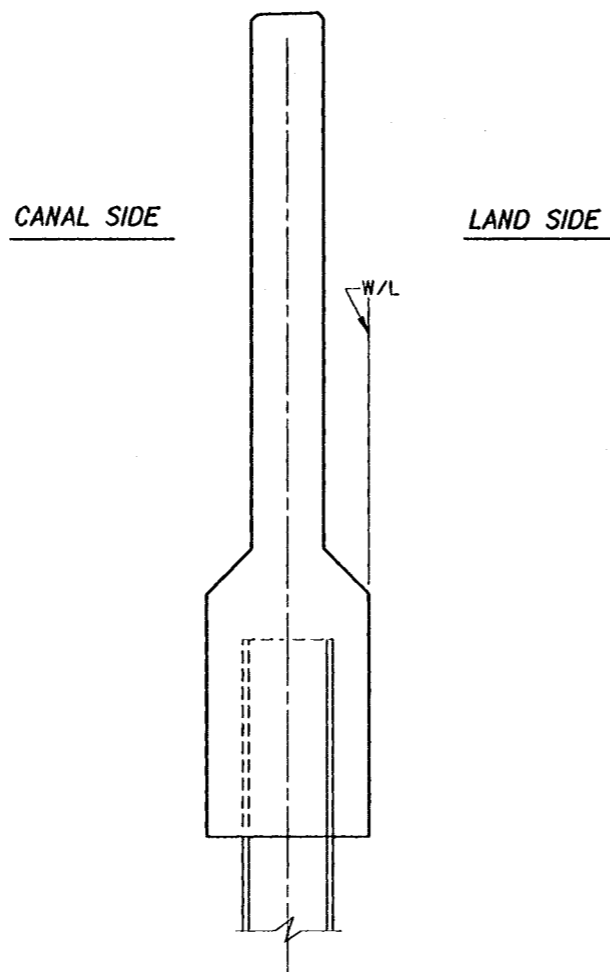


**TYPICAL ELEVATION OF
SETTLEMENT REFERENCE MAEKER**

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

NOTES:

1. FOR GENERAL NOTES, SEE DWG. 2.



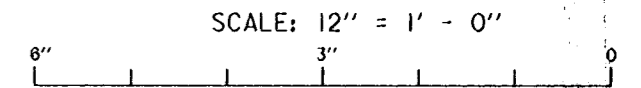
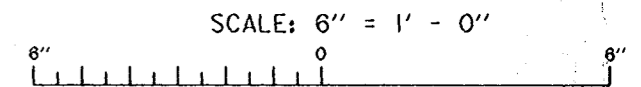
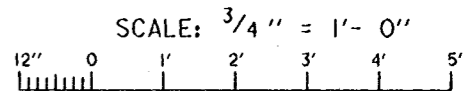
WALL LINE LOCATION

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

**SETTLEMENT REFERENCE
MARKER SCHEDULE**

EAST SIDE				WEST SIDE			
S.R.M. NO.	EAST B/L STATION* (C/L MONOLITH JOINT)	W/L STATION (■)	ELEVATION * *	S.R.M. NO.	WEST B/L STATION* (C/L MONOLITH JOINT)	W/L STATION (■)	ELEVATION * *
36	70 + 54.27			35	72 + 62.33		
37	72 + 59.60			36	74 + 67.67		
38	74 + 64.94			37	76 + 72.95		
39	78 + 70.27			38	78 + 78.22		
40	77 + 87.61			39	80 + 83.50		
41	79 + 92.94			40	82 + 88.77		
42	81 + 98.28						
43	84 + 03.61			41	87 + 95.33		
				42	90 + 00.67		
44	85 + 83.57			43	92 + 06.00		
45	87 + 86.13			44	94 + 11.33		
46	89 + 88.70			45	96 + 16.67		
47	91 + 91.26			46	98 + 22.00		
48	92 + 78.06			47	100 + 27.00		
49	94 + 80.83			48	102 + 32.21		
50	96 + 83.19			49	104 + 37.54		
51	98 + 85.75			50	106 + 42.87		
				51	108 + 48.21		
52	102 + 91.83			52	110 + 53.52		
53	104 + 97.16			53	112 + 58.84		
54	107 + 02.50			54	114 + 64.17		
55	109 + 07.83			55	116 + 69.54		
56	110 + 83.83			56	118 + 74.82		
57	112 + 59.84						
58	114 + 65.17						
59	116 + 70.51						
60	118 + 75.84						
61	122 + 54.33						
62	124 + 59.67						

- * B/L STATIONS ARE APPROXIMATE. LOCATE REFERENCE BOLTS AT NEAREST MONOLITH JOINT 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 MARKER I.D. TAGS SHALL BE STAMPED WITH THE APPLICABLE W/L STATION NUMBER.
- (■) THE CONTRACTOR SHALL ASSIGN THE W/L STATIONS FOR THE REFERENCE MARKERS.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

BURK - KLEINPETER, INC. **GOTECH, INC.**
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS CONSULTING ENGINEERS
NEW ORLEANS, LOUISIANA BATON ROUGE, LOUISIANA

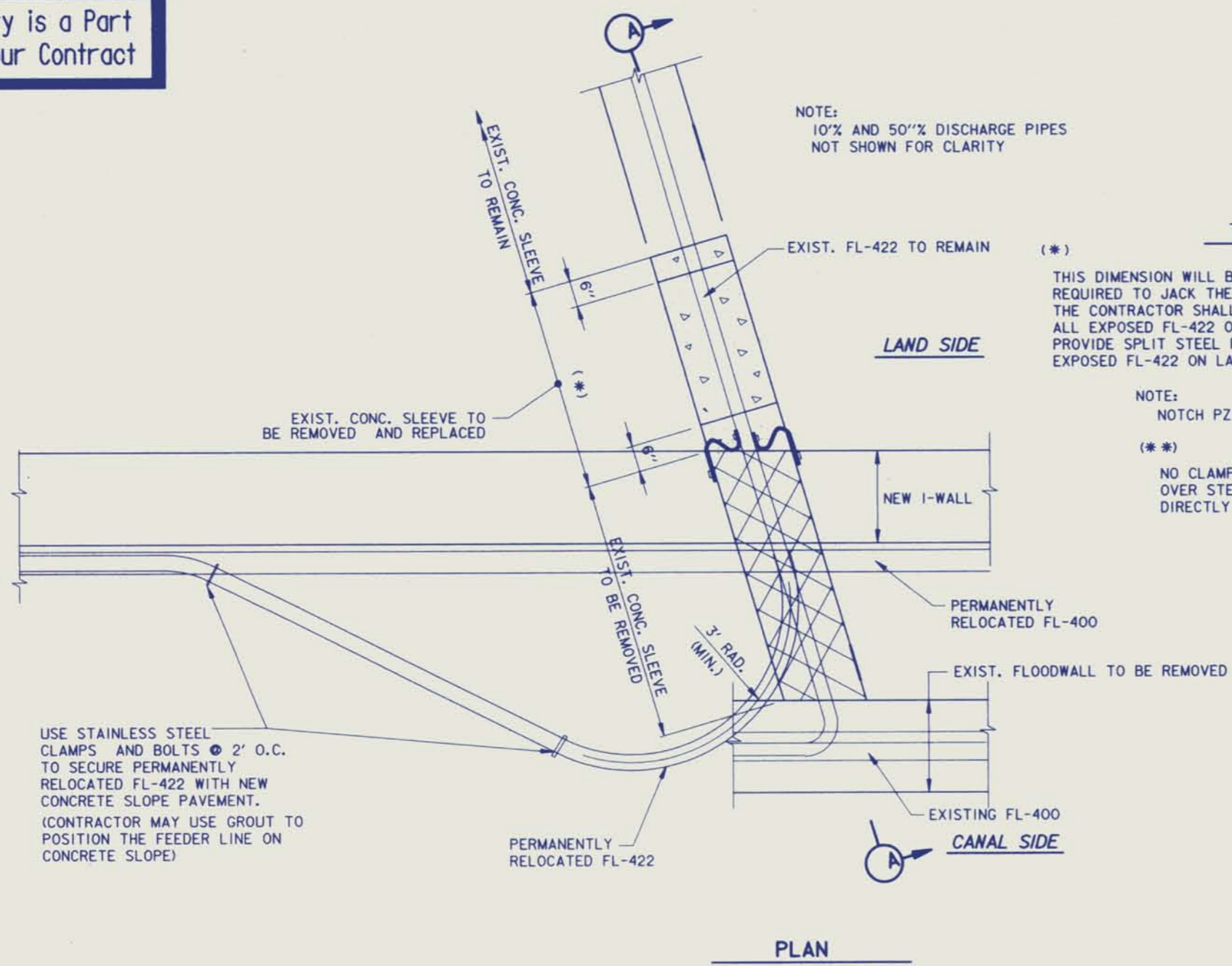
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK
MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
ORLEANS PARISH, LOUISIANA

REFERENCE BOLT DETAILS

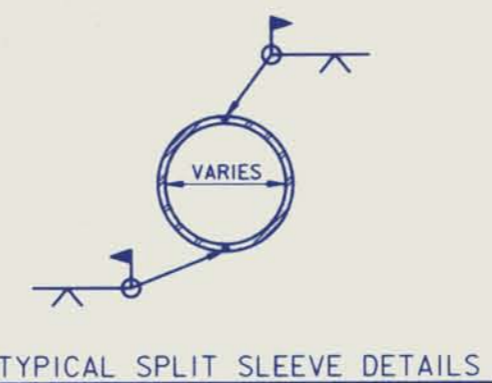
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029538.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 38 OF 73	



Safety is a Part of Your Contract



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



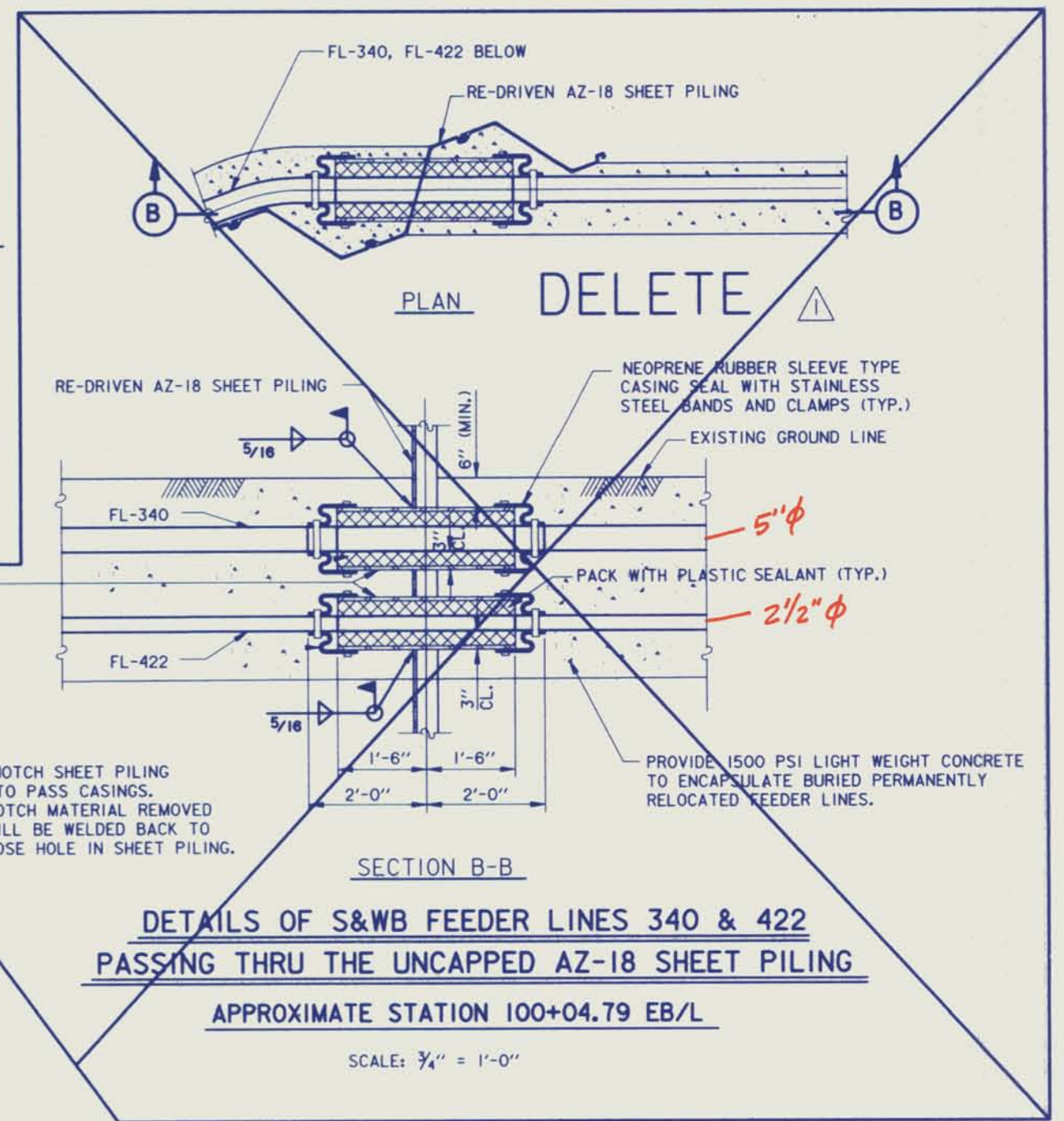
TYPICAL SPLIT SLEEVE DETAILS
NOT TO SCALE

(*) THIS DIMENSION WILL BE BASED ON THE WIDTH OF EXCAVATION REQUIRED TO JACK THE SHEET PILING. THE CONTRACTOR SHALL PROVIDE THE CONCRETE SLEEVE OVER ALL EXPOSED FL-422 ON LAND SIDE. THE CONTRACTOR WILL ALSO PROVIDE SPLIT STEEL PIPES WITH CLAMPS TO PROTECT THE EXPOSED FL-422 ON LAND SIDE DURING CONSTRUCTION.

NOTE: NOTCH PZ-22 SHEET PILE TO CROSS FL-422 THRU IT.

(**) NO CLAMPS WILL BE PROVIDED FOR FL-400 OVER STEEL SLEEVE. FL-400 WILL REST DIRECTLY ON STEEL SLEEVE FOR FL-422.

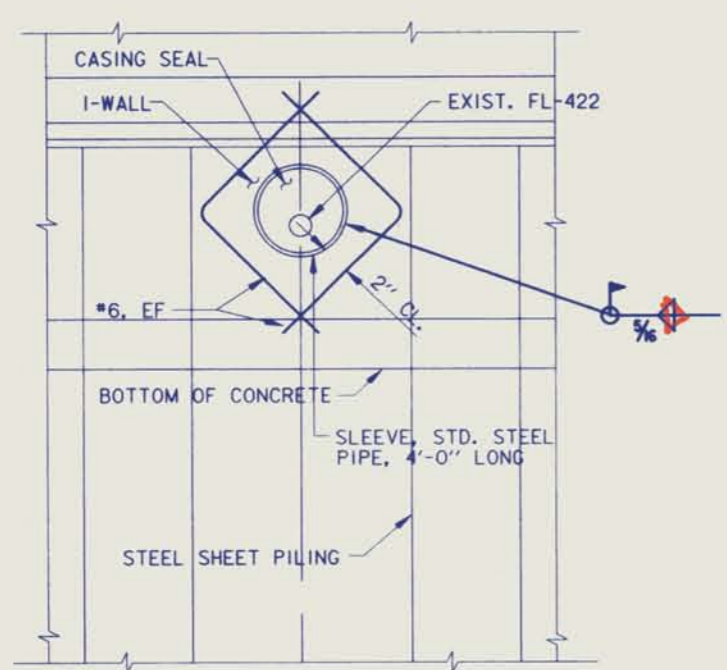
SPLIT SLEEVE, STD. STEEL PIPE, 3'-0" LONG (10" DIA. MIN. GREATER THAN FEEDER LINE SIZE)



DETAILS OF S&WB FEEDER LINES 340 & 422 PASSING THRU THE UNCAPPED AZ-18 SHEET PILING

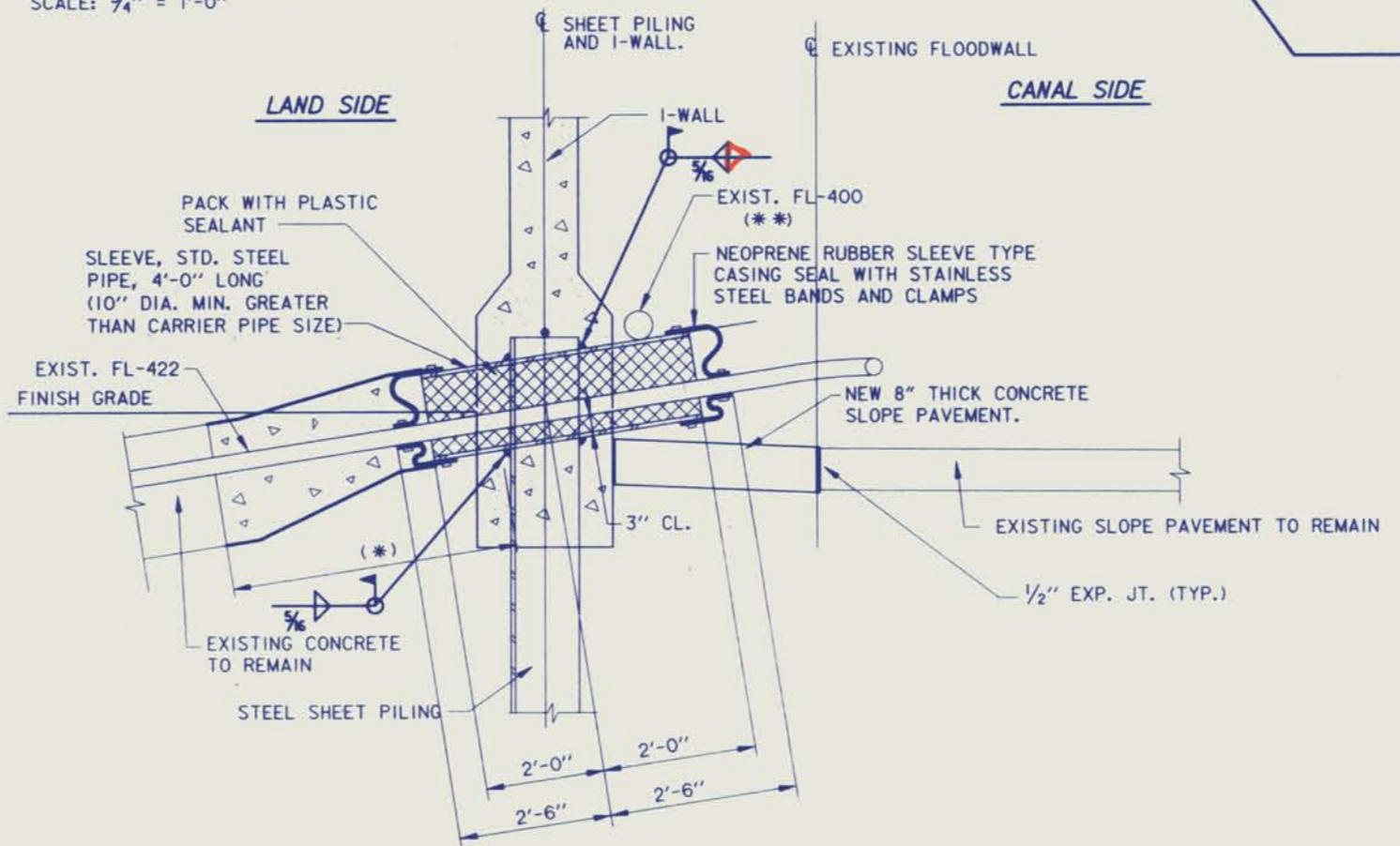
APPROXIMATE STATION 100+04.79 EB/L

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



ELEVATION

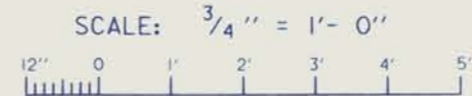
DETAILS OF S&WB FEEDER LINE 422 PASSING THRU THE I-WALL
APPROXIMATE STATION 101+38.90 WB/L



SECTION A-A

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

THIS PLAN ACCOMPANIES MODIFICATION A00002 TO CONTRACT NUMBER DACW29-94-C-0079



SYMBOL	DESCRIPTION	DATE	APPROVED
△	DELETED DETAIL: MOD. A2	08/14/95	B.K.I.

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

BURK - KLEINPETER, INC.
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
NEW ORLEANS, LOUISIANA

GOTECH, INC.
CONSULTING ENGINEERS
BATON ROUGE, LOUISIANA

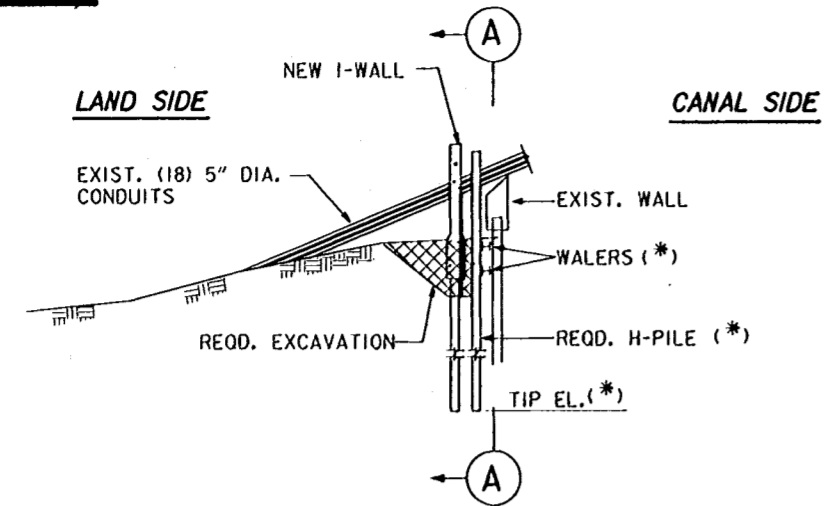
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
ORLEANS PARISH, LOUISIANA

UTILITIES

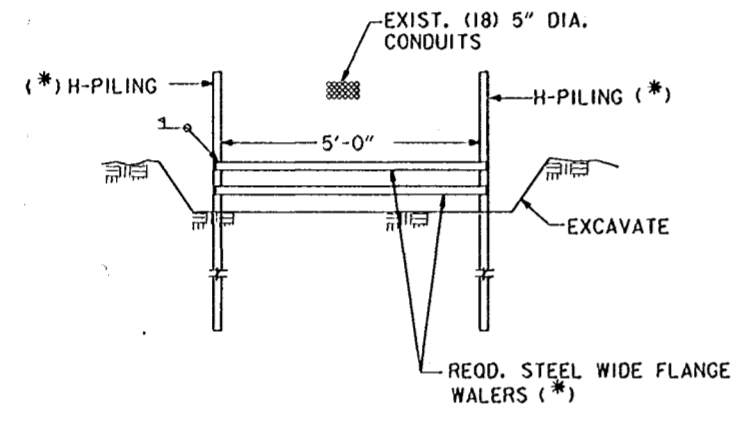
DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 1/6"	PLOT DATE: 12/5/95
DRAWN BY: BINH LE	CADD FILE: 4029539.DWG	FILE NO. H-4-40295	
CHECKED BY: S.L.SHAH	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 39 OF 73



Safety is a Part of Your Contract

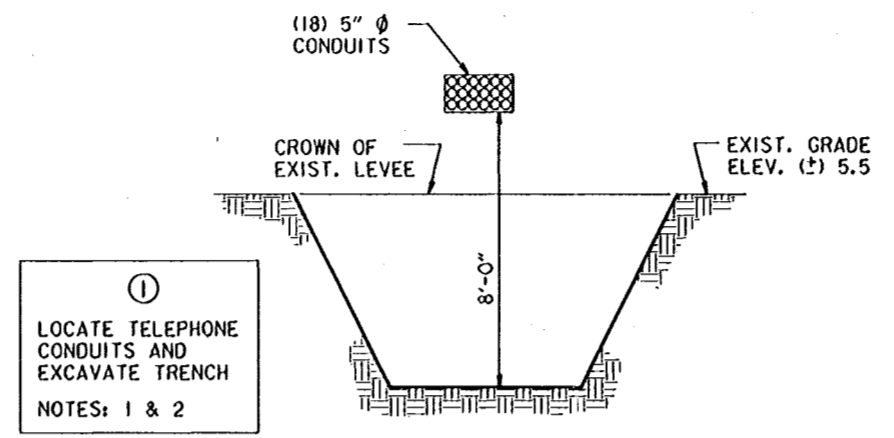


SECTION AT TELEPHONE CONDUIT
SCALE: 1"=10'

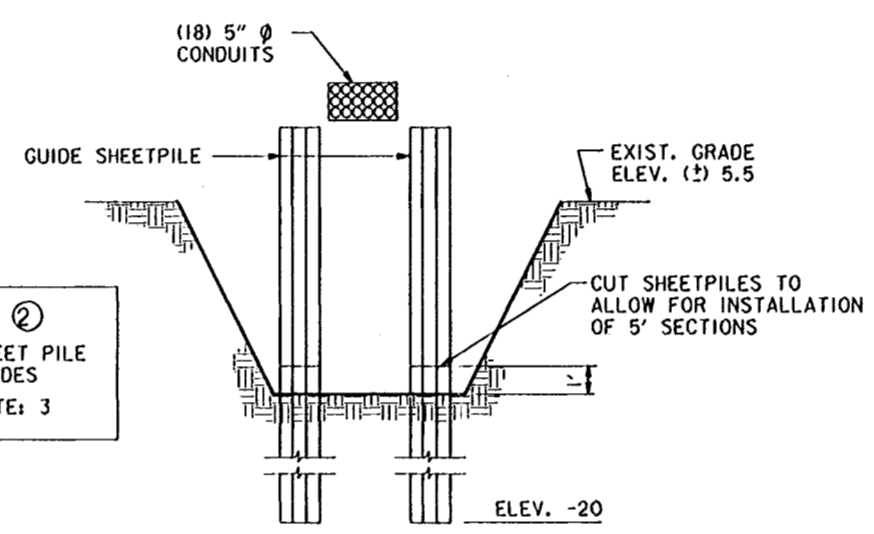


SECTION A-A
N.T.S.

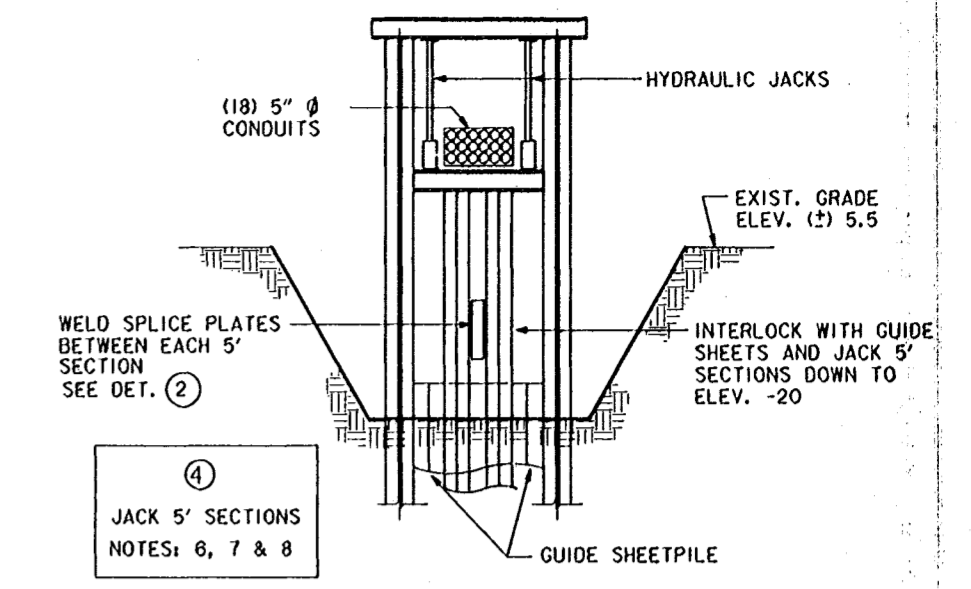
(*) THE CONTRACTOR SHALL DESIGN THE H-PILES AND WALERS TO PROVIDE TEMPORARY PROTECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS. TIP ELEVATIONS MEMBER SIZE AND NUMBER OF PILES AND WALERS SHALL BE DETERMINED BY THE CONTRACTOR AND HIS DESIGN SUBMITTED FOR APPROVAL.



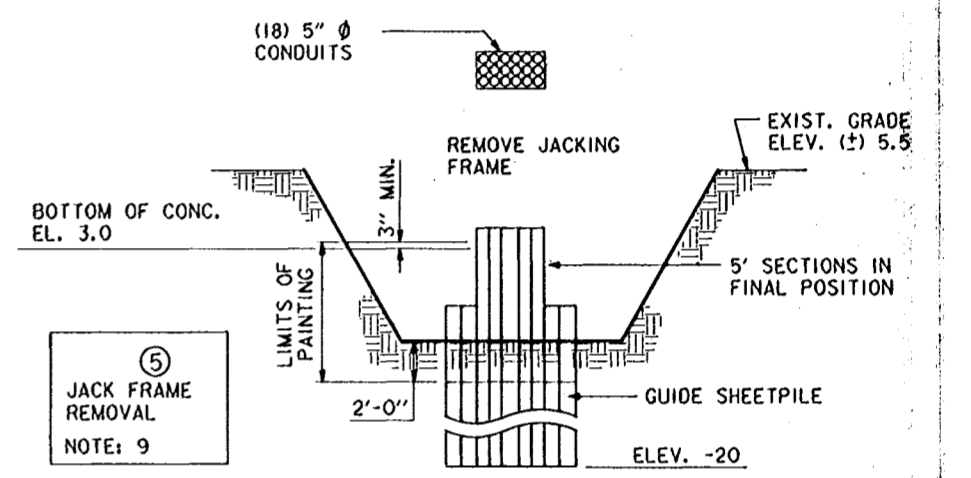
1
LOCATE TELEPHONE CONDUITS AND EXCAVATE TRENCH
NOTES: 1 & 2



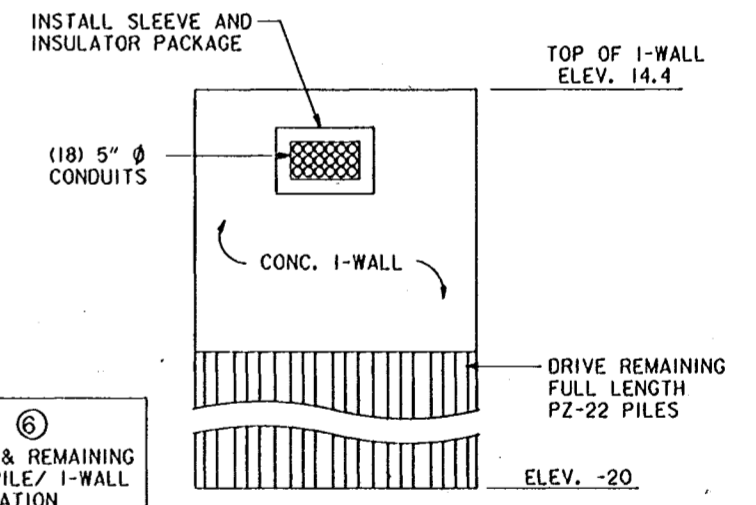
2
SHEET PILE GUIDES
NOTE: 3



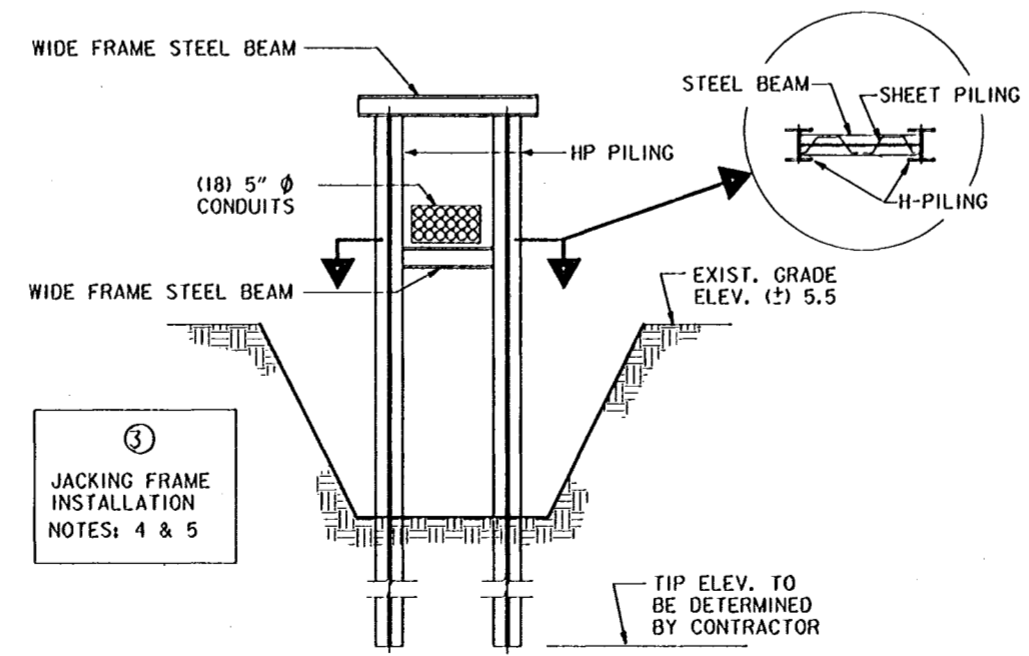
4
JACK 5' SECTIONS
NOTES: 6, 7 & 8



5
JACK FRAME REMOVAL
NOTE: 9



6
SLEEVE & REMAINING SHEET PILE/ I-WALL INSTALLATION
NOTES: 10 & 11



3
JACKING FRAME INSTALLATION
NOTES: 4 & 5

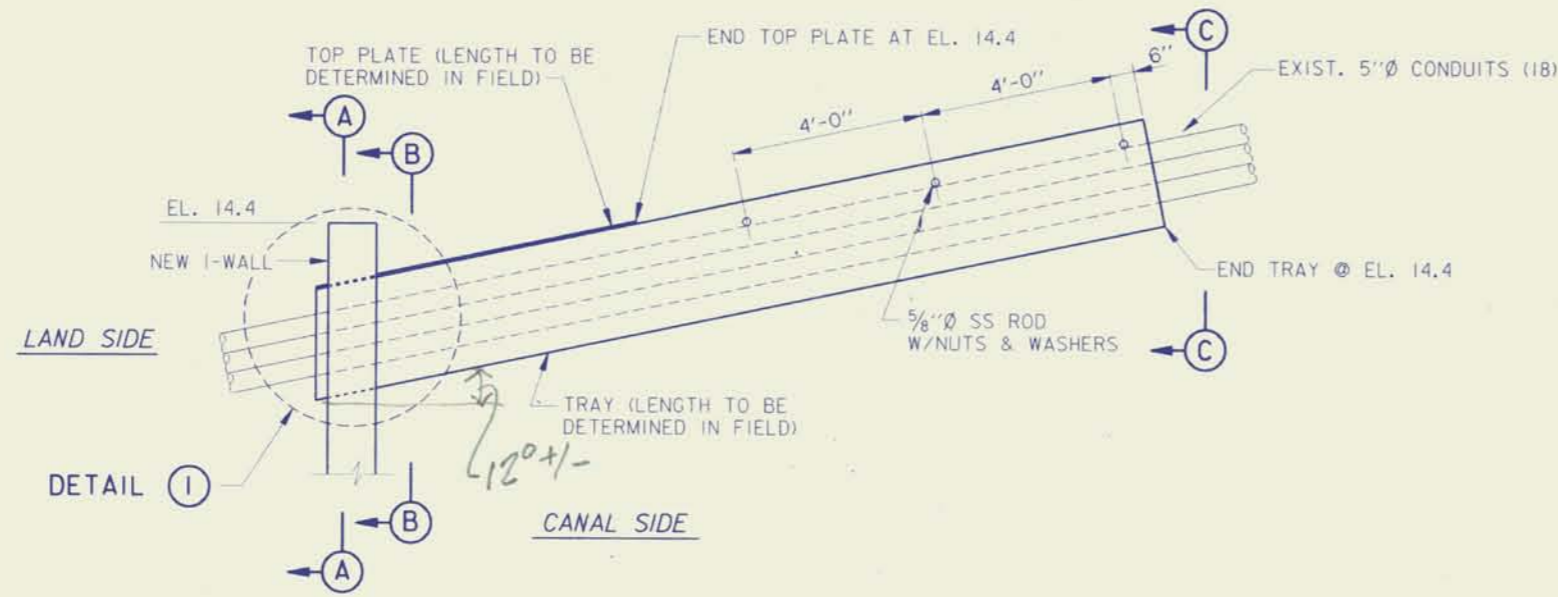
NOTE:
FOR SHEET PILE DETAILS, SEE DWGS. 18-19.

- NOTES:**
- CONTRACTOR SHALL NOTIFY OWNER 48 HOURS BEFORE BEGINNING WORK ON CONDUITS.
 - CONTRACTOR SHALL EXCAVATE THE LEVEE TO AN ELEVATION 8' BELOW THE BOTTOM OF THE TELEPHONE CONDUITS.
 - CONTRACTOR SHALL DRIVE (2) SHEET PILE GUIDES AS SHOWN IN SEQUENCE (2) ABOVE.
 - CONTRACTOR SHALL DRIVE PILES TO A DEPTH DETERMINED BY DESIGN CALCULATIONS.
 - CONTRACTOR SHALL WELD A WF CROSS BEAM TO THE TOP OF THE "H" PILES AND INSTALL WF JACKING BEAM W/HYDRAULIC JACKS SUPPORTED BY THE CROSS BEAM.
 - CONTRACTOR SHALL INTERLOCK (3) 5' LENGTH PZ-22 SHEET PILES AND JACK BETWEEN SHEET PILE GUIDES INSTALLED IN SEQUENCE (2).
 - AFTER THE FIRST 5' PANEL HAS BEEN DRIVEN, CONTRACTOR SHALL WELD THE NEXT 5' PANEL TO THE PREVIOUS PANEL USING SPLICE PLATES (SEE DET. "2" THIS DWG.).
 - CONTRACTOR SHALL REPEAT STEPS 6 AND 7 UNTIL THE PZ-22 PILING BELOW THE PIPELINE IS DRIVEN TO ELEV. -20 N.G.V.D..
 - CONTRACTOR SHALL REMOVE JACKING FRAME.
 - CONTRACTOR SHALL INSTALL SLEEVE, AND REMAINDER OF PZ-22 PILING.
 - CONTRACTOR SHALL INSTALL SHEET PILING TO REFERENCED GRADE AS INDICATED ON PROFILE DRAWINGS. NOTE: IF PILING BELOW PIPELINE IS DRAGGED DOWNWARD DURING DRIVING OF ADJACENT PILING, CONTRACTOR SHALL ADD LENGTH BY WELDING NEW PILE TO REQUIRED GRADE. DO NOT PULL UP TO GRADE.
 - CONTRACTOR SHALL BACKFILL.
 - CONTRACTOR SHALL USE SEMI-COMPACTED CLAY TO FILL TO FINISH GRADE.
 - CONTRACTOR SHALL CLEANUP CONSTRUCTION AREA.



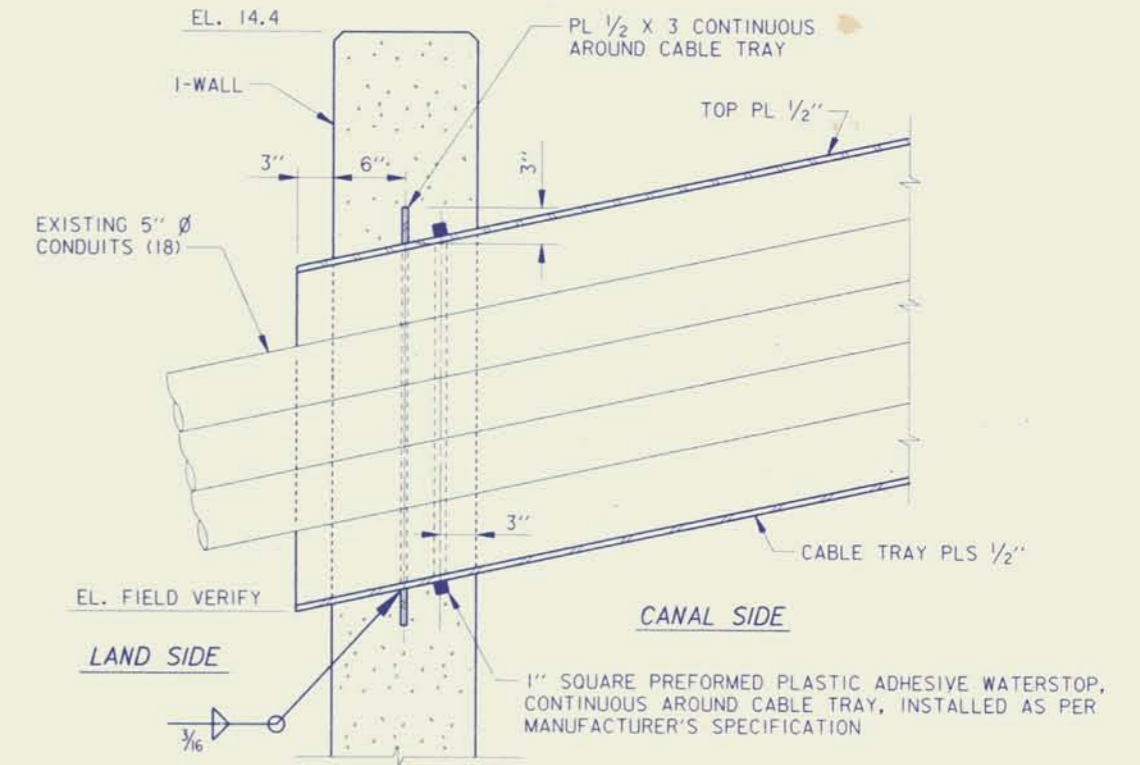
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA TELEPHONE CABLE CROSSING DETAILS WEST SIDE			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029540.DGN	FILE NO.: H-4-40295
SUBMITTED BY: MICHAEL O. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 40 OF 73	

Safety is a Part of Your Contract



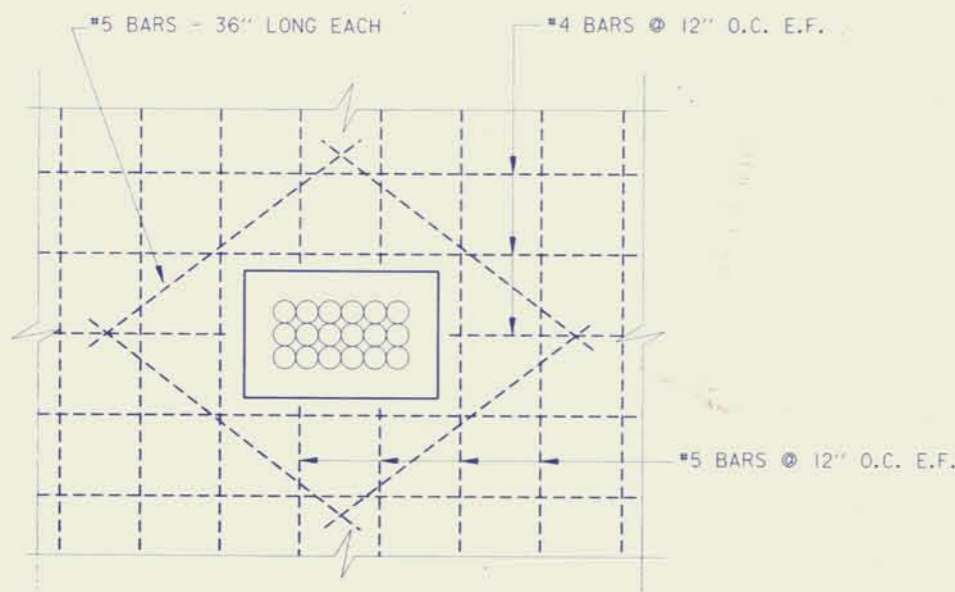
DETAIL OF TELEPHONE CABLE THRU I-WALL

N.T.S.



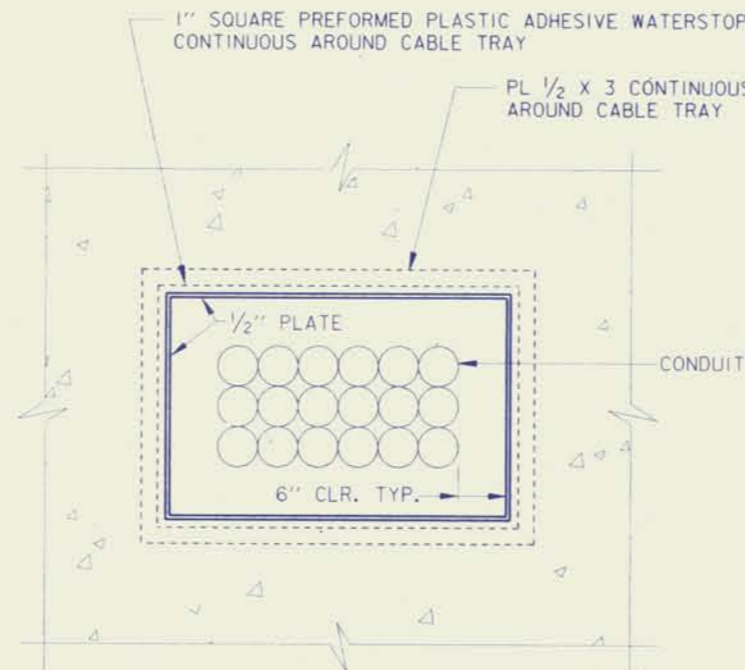
DETAIL 1

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



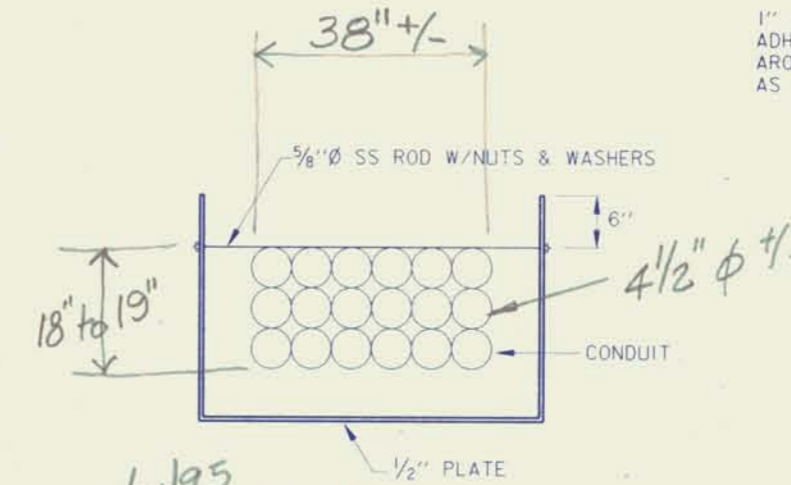
SECTION A

N.T.S.



SECTION B

N.T.S.

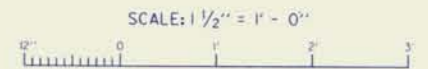


SECTION C

N.T.S.

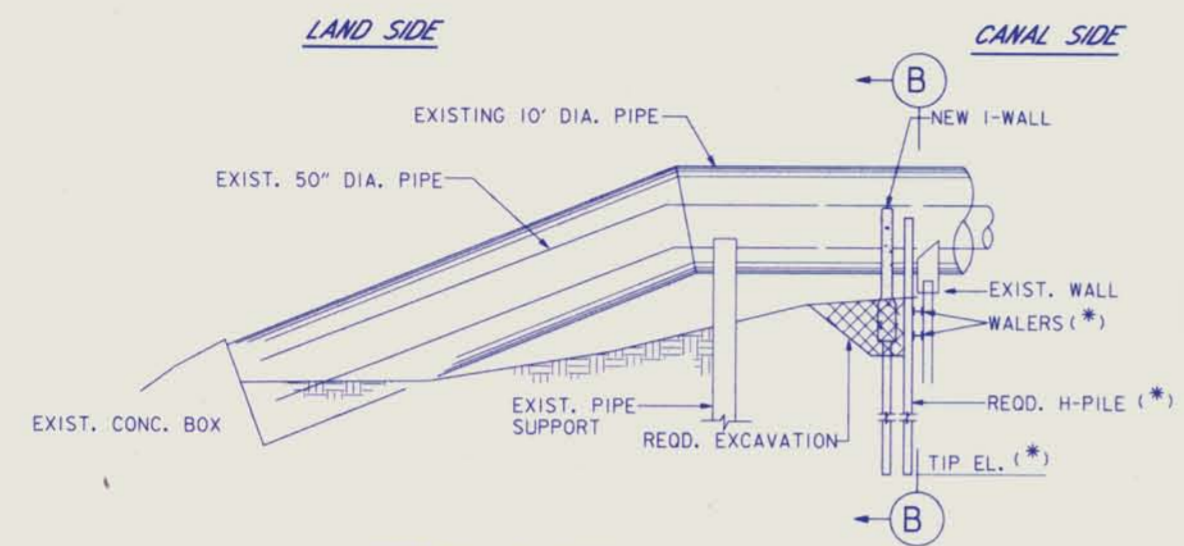
*Field dim. 2/21/95
Angela, Hugh, Chris & Zac
WEST SIDE*

**THIS PLAN ACCOMPANIES
MODIFICATION P00009
TO CONTRACT NUMBER
DACW29-94-C-0079**

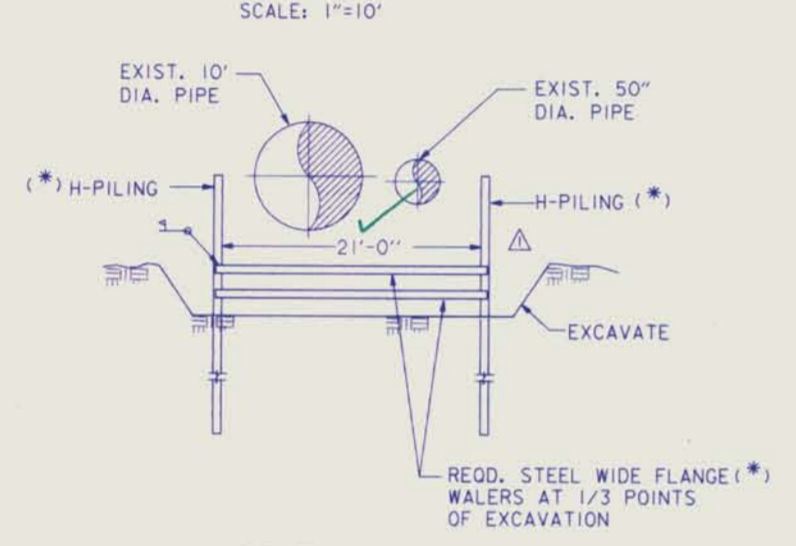


SYMBOL	DESCRIPTION	DATE	APPROVED
△	GENERAL REVISIONS AND ADDED DETAIL, MOD. 9	7-12-95	B.K.v.l.
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA TELEPHONE CABLE CROSSING DETAILS WEST SIDE			
DESIGNED BY: B.D.	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 07/12/95
DRAWN BY: M.W.B.	CADD FILE: 4029541.DGN		FILE NO. H-4-40295
CHECKED BY: B.D.	SUBMITTED BY: MICHAEL G. JACKSON, P.E.		SOLICITATION NO. DACW29-94-B-0047
<small>BURK - KLEINPETER, INC.</small>		DWG. 41 OF 73	

Safety is a Part of Your Contract

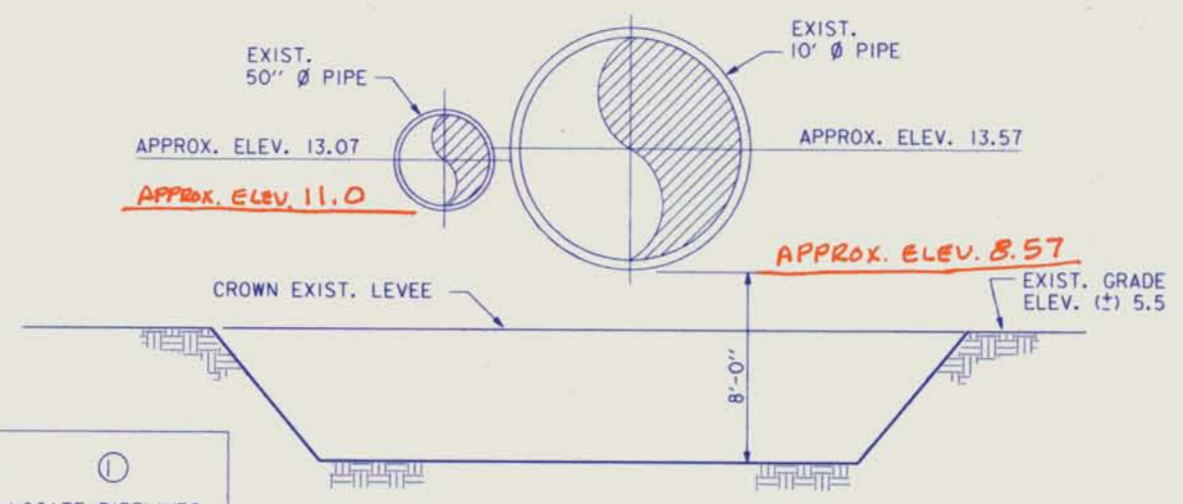


SECTION AT PIPELINE CROSSING
SCALE: 1"=10'

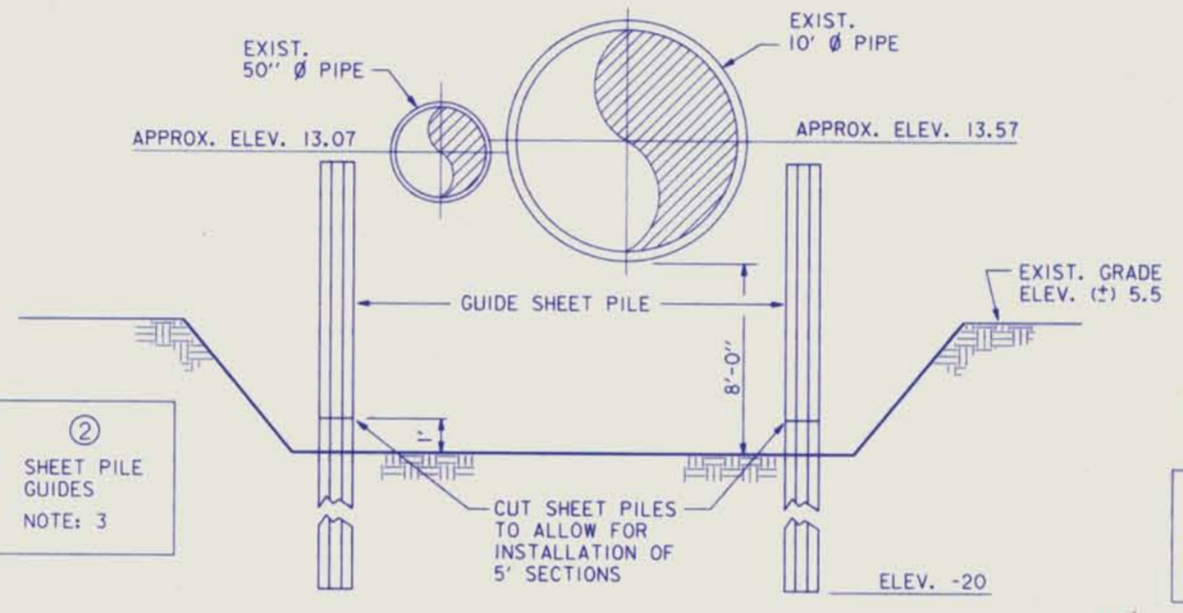


SECTION B-B
N.T.S.

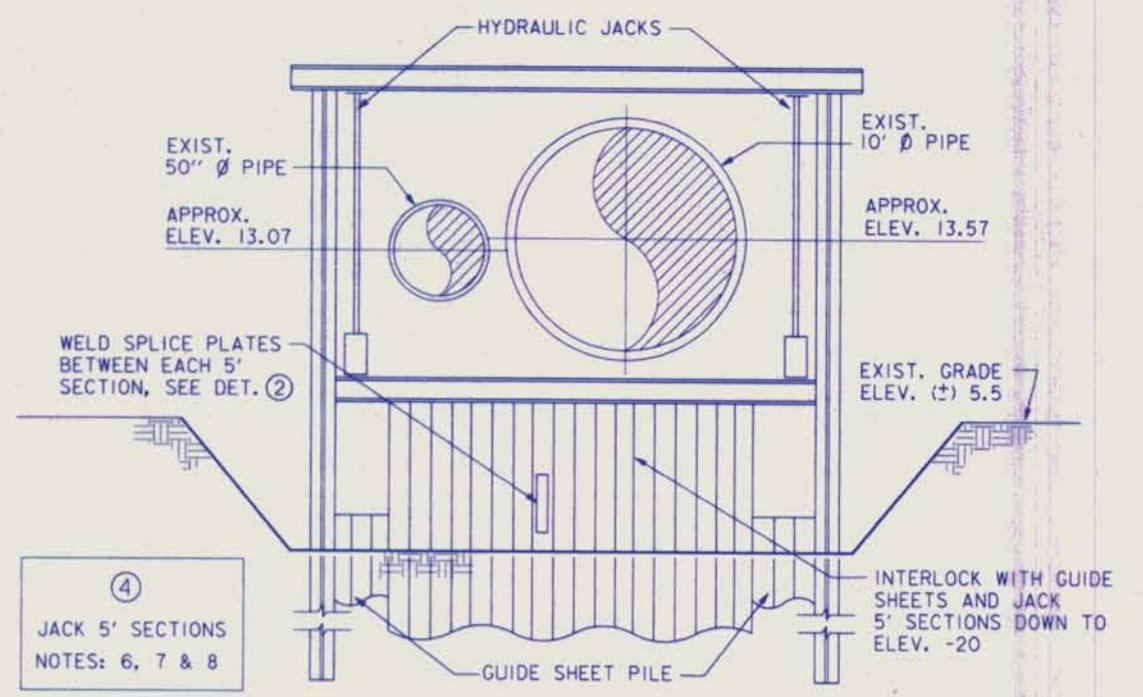
(*) THE CONTRACTOR SHALL DESIGN THE H-PILES AND WALERS TO PROVIDE TEMPORARY PROTECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS. TIP ELEVATIONS MEMBER SIZE AND NUMBER OF PILES AND WALERS SHALL BE DETERMINED BY THE CONTRACTOR AND HIS DESIGN SUBMITTED FOR APPROVAL.



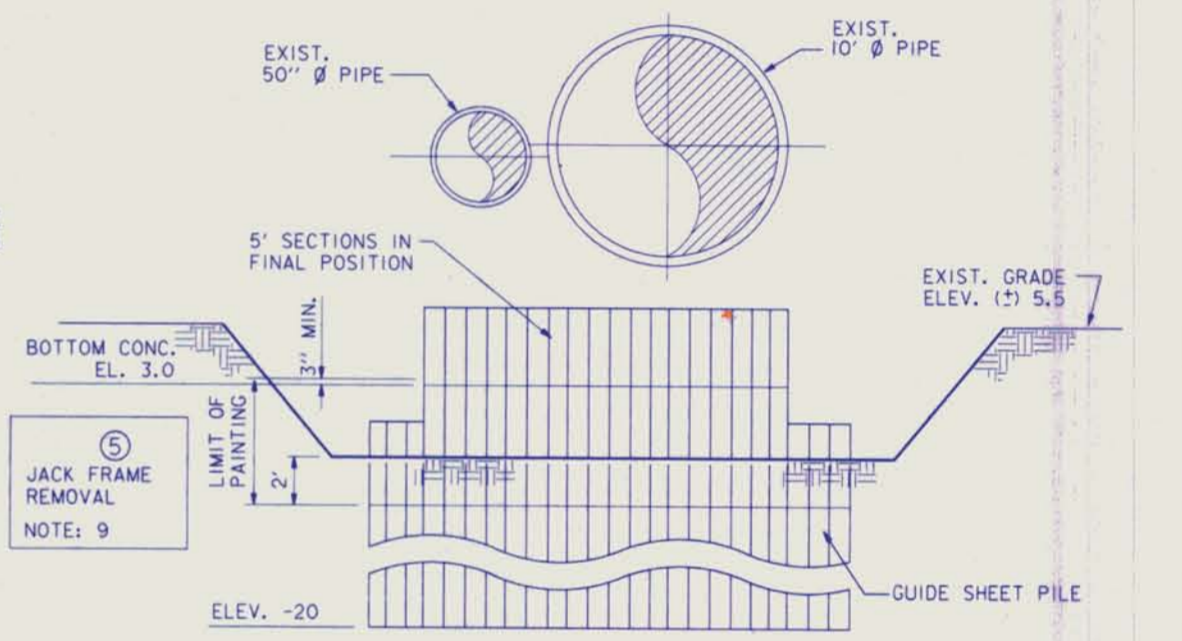
①
LOCATE PIPELINES
EXCAVATE TRENCH
NOTES: 1 & 2



②
SHEET PILE
GUIDES
NOTE: 3



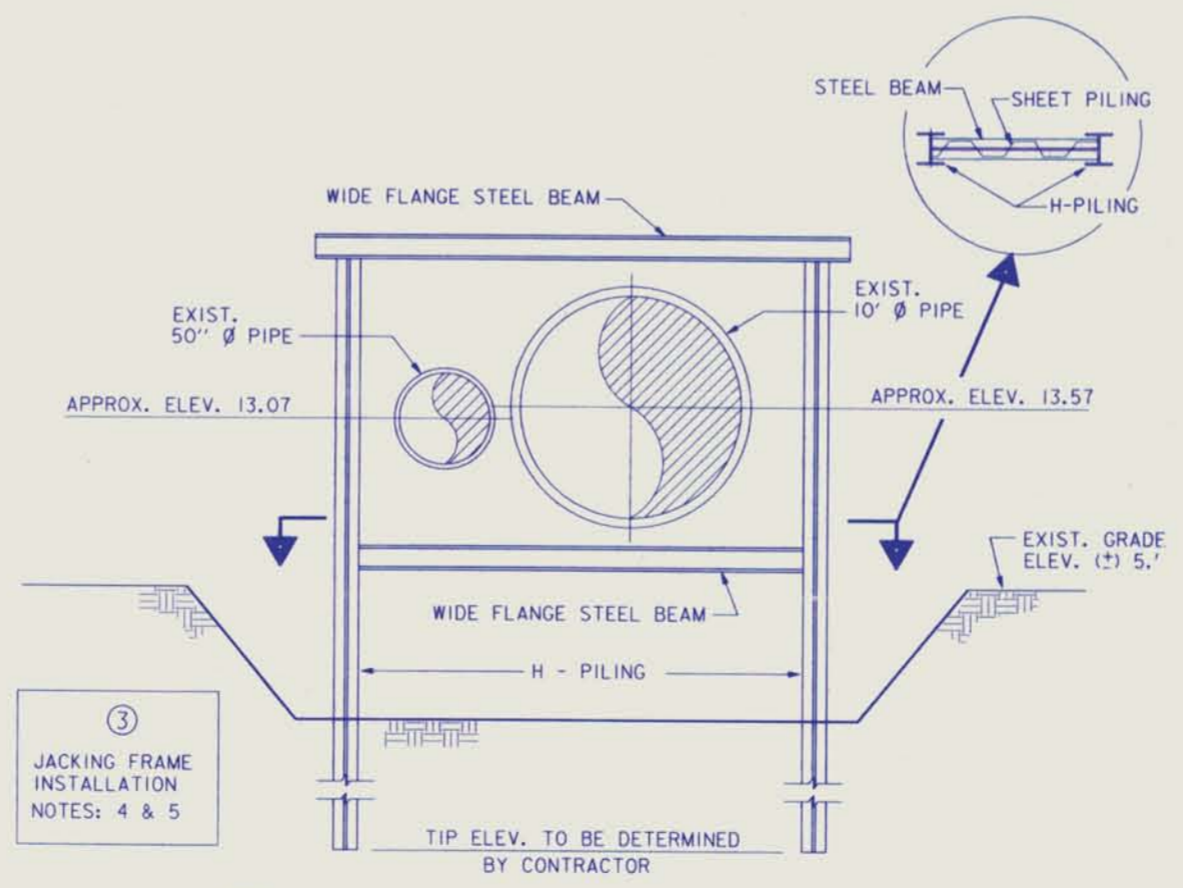
④
JACK 5' SECTIONS
NOTES: 6, 7 & 8



⑤
JACK FRAME
REMOVAL
NOTE: 9

(LOOKING FROM LAND SIDE)

- NOTES:**
- CONTRACTOR SHALL NOTIFY OWNER 48 HOURS BEFORE BEGINNING WORK ON PIPELINES.
 - CONTRACTOR SHALL EXCAVATE THE LEVEE TO AN ELEVATION 8' BELOW THE BOTTOM OF THE 10' DIA. PIPE.
 - CONTRACTOR SHALL DRIVE (2) SHEET PILE GUIDES AS SHOWN IN SEQUENCE ② ABOVE.
 - CONTRACTOR SHALL DRIVE PILES TO A DEPTH DETERMINED BY DESIGN CALCULATIONS.
 - CONTRACTOR SHALL WELD A WF CROSS BEAM TO THE TOP OF THE "H" PILES AND INSTALL WF JACKING BEAM W/HYDRAULIC JACKS SUPPORTED BY THE CROSS BEAM.
 - CONTRACTOR SHALL INTERLOCK (10) 5' LENGTH PZ-22 SHEET PILES AND JACK BETWEEN SHEET PILE GUIDES INSTALLED IN SEQUENCE ②.
 - AFTER THE FIRST 5' PANEL HAS BEEN DRIVEN, CONTRACTOR SHALL WELD THE NEXT 5' PANEL TO THE PREVIOUS PANEL USING SPLICE PLATES (SEE DET. "2" THIS DWG.).
 - CONTRACTOR SHALL REPEAT STEPS 6 AND 7 UNTIL THE PZ-22 PILING BELOW THE PIPELINE IS DRIVEN TO ELEV. -20 N.G.V.D..
 - CONTRACTOR SHALL REMOVE JACKING FRAME.
 - CONTRACTOR SHALL CONSTRUCT I-WALL INTERFACE AND REMAINDER OF PZ-22 PILING AROUND THE PIPELINE CENTERLINE.
 - CONTRACTOR SHALL INSTALL SHEET PILING TO REFERENCED GRADE AS INDICATED ON PROFILE DRAWINGS. NOTE: IF PILING BELOW PIPELINE IS DRAGGED DOWNWARD DURING DRIVING OF ADJACENT PILING, CONTRACTOR SHALL ADD LENGTH BY WELDING NEW PILE TO REQUIRED GRADE. DO NOT PULL UP TO GRADE.
 - CONTRACTOR SHALL BACKFILL.
 - CONTRACTOR SHALL USE SEMI-COMPACTED CLAY TO FILL TO FINISH GRADE.
 - CONTRACTOR SHALL CLEANUP CONSTRUCTION AREA.



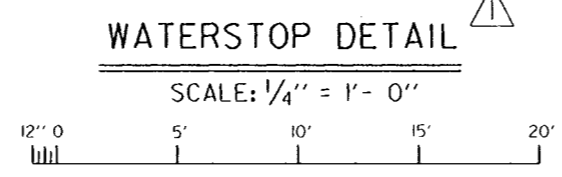
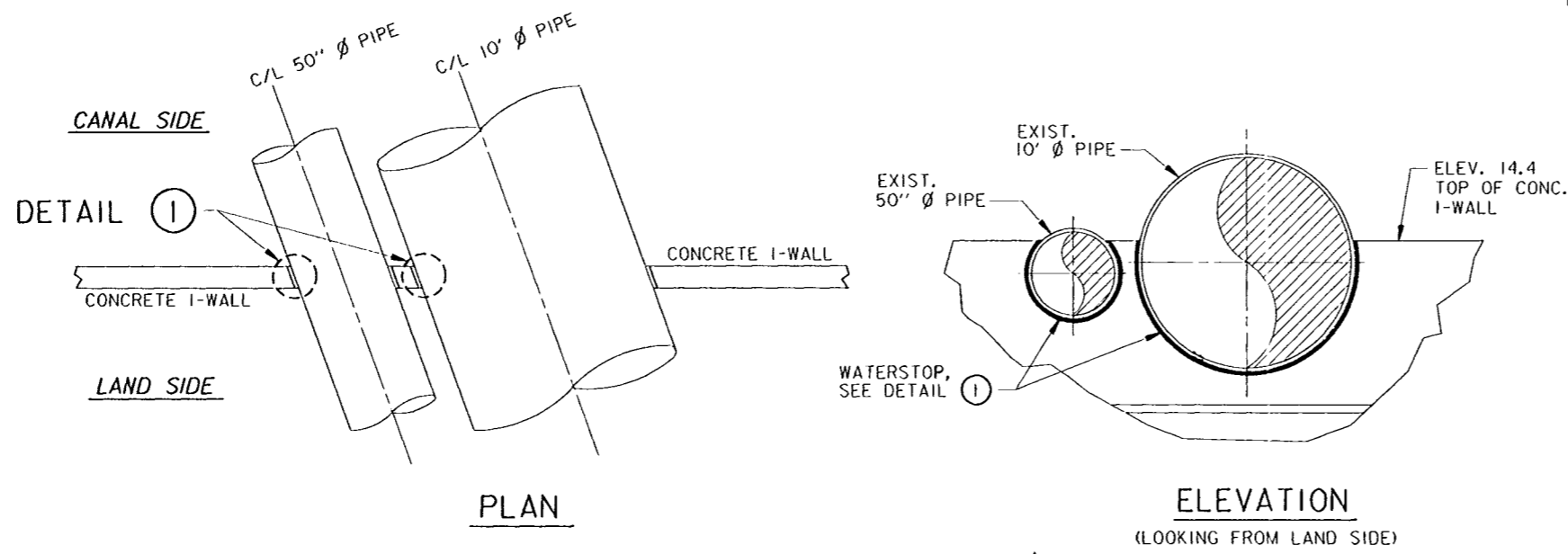
③
JACKING FRAME
INSTALLATION
NOTES: 4 & 5

NOTE:
FOR SHEET PILE DETAILS, SEE DWGS. 18-19.

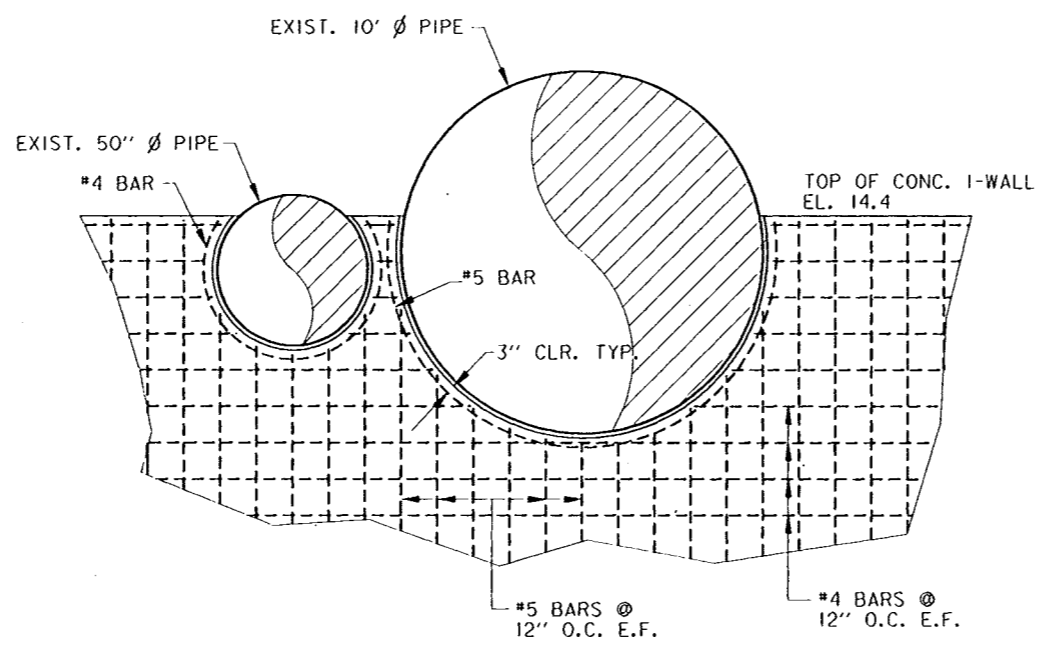
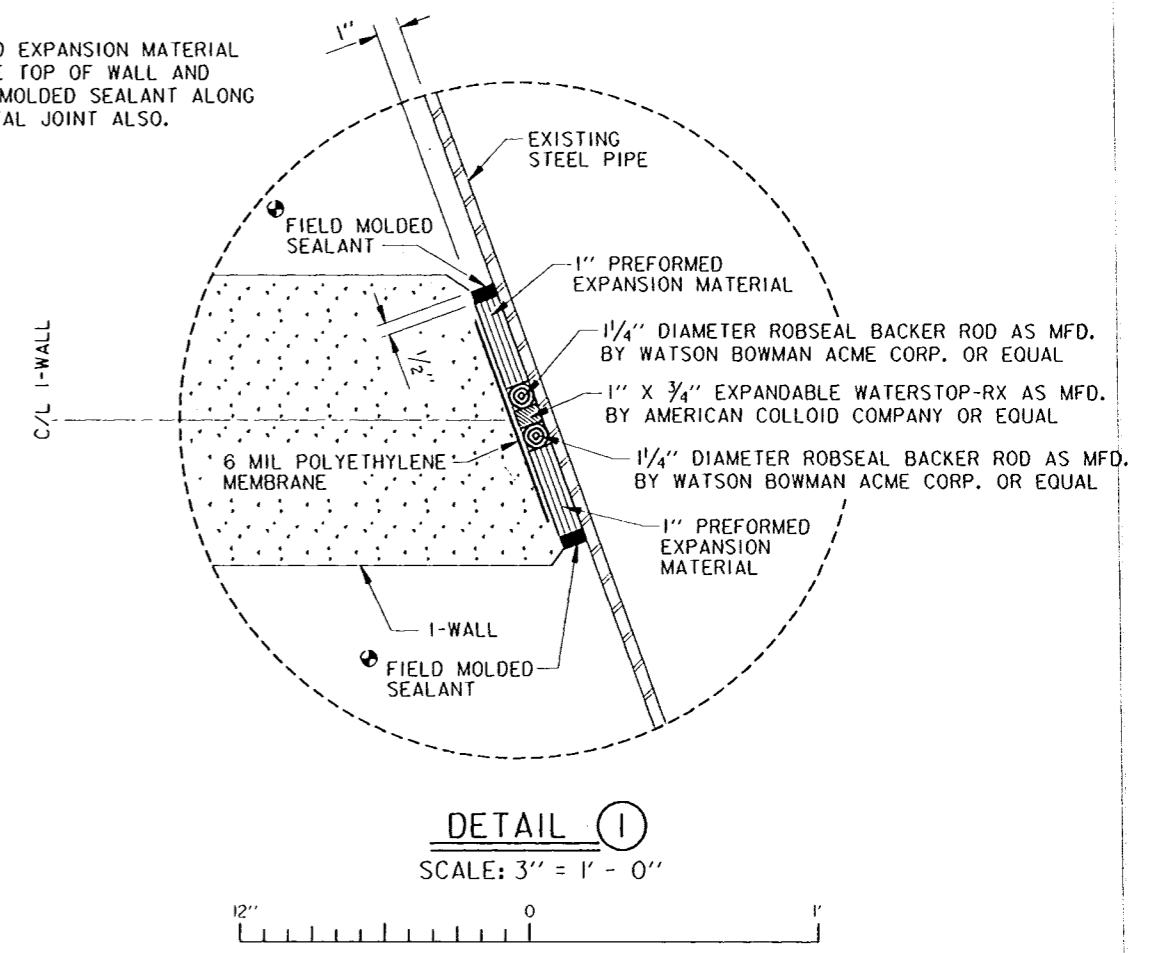


AMEND. NO. 1	DESCRIPTION	10-4-94	B.K.L.
SYMBOL	DATE	APPROVED	
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA SIPHON CROSSING DETAILS WEST SIDE			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029542.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 42 OF 73	

Safety is a Part of Your Contract

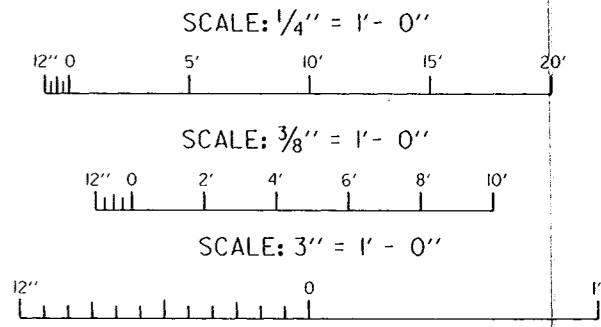


RECESS PREFORMED EXPANSION MATERIAL A 1/2" ACROSS THE TOP OF WALL AND APPLY THE FIELD MOLDED SEALANT ALONG THE TOP HORIZONTAL JOINT ALSO.



WEST SIDE REINFORCEMENT DETAIL AT SIPHON CROSSING
(LOOKING FROM LAND SIDE)
SCALE: 3/8" = 1'-0"
12" 0 2' 4' 6' 8' 10'

THIS PLAN ACCOMPANIES MODIFICATION P00009 TO CONTRACT NUMBER DACW29-94-C-0079



SYMBOL	DESCRIPTION	DATE	APPROVED
△	GENERAL REVISIONS AND ADDED DETAIL, MOD. 9	7-12-95	B.K.L.

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

BURK - KLEINPETER, INC.
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
NEW ORLEANS, LOUISIANA

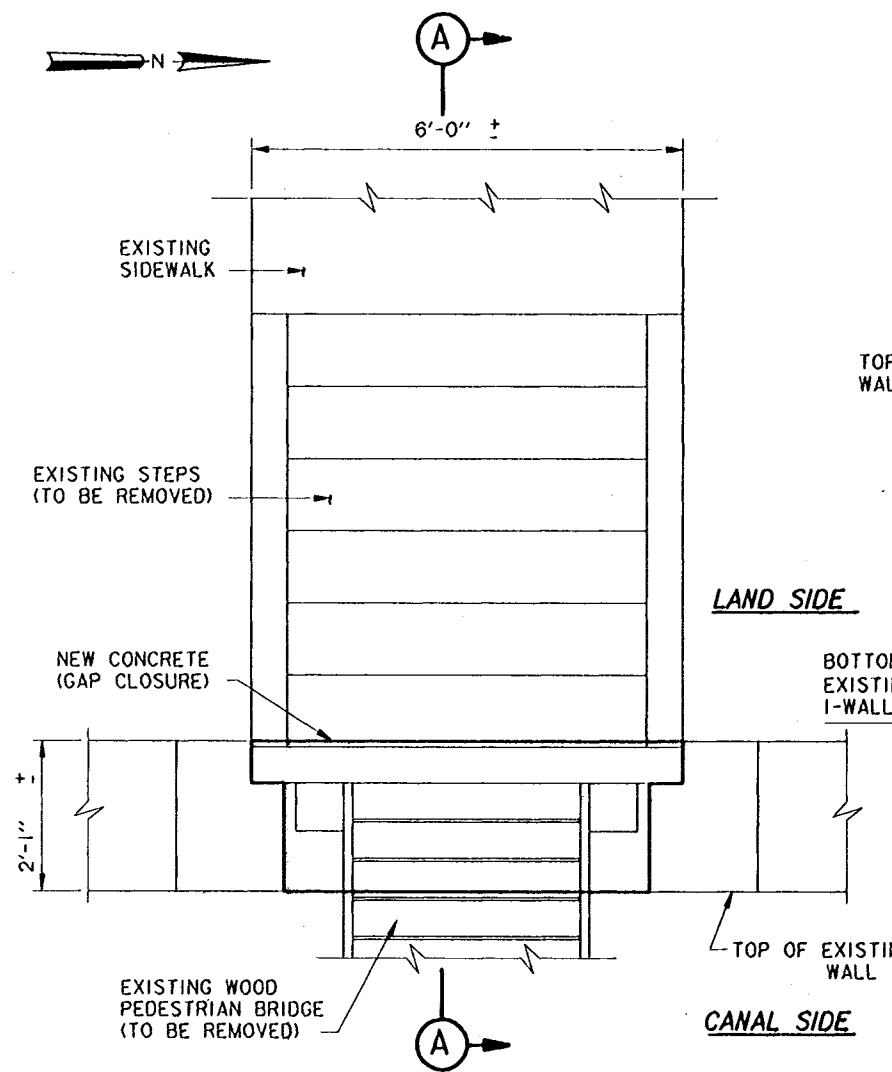
GOTECH, INC.
CONSULTING ENGINEERS
BATON ROUGE, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
ORLEANS PARISH, LOUISIANA

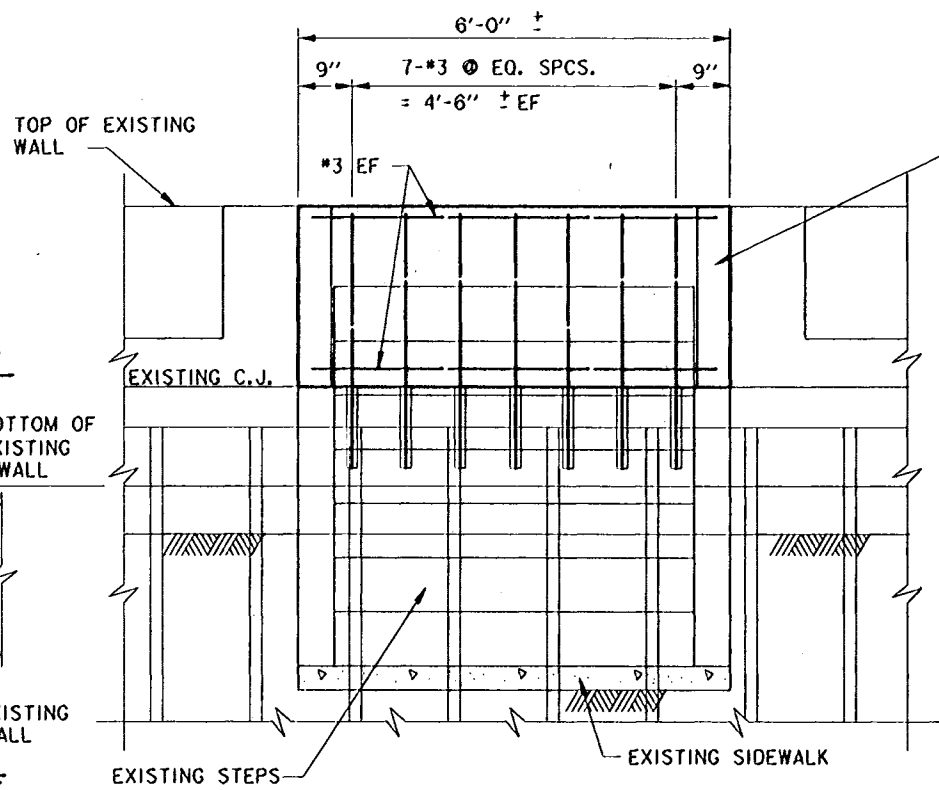
SIPHON CROSSING DETAILS
WEST SIDE

DESIGNED BY: B.D.	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 08/18/95
DRAWN BY: M.W.B.	CHECKED BY: B.D.	CADD FILE: 4029543.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 43 OF 73	

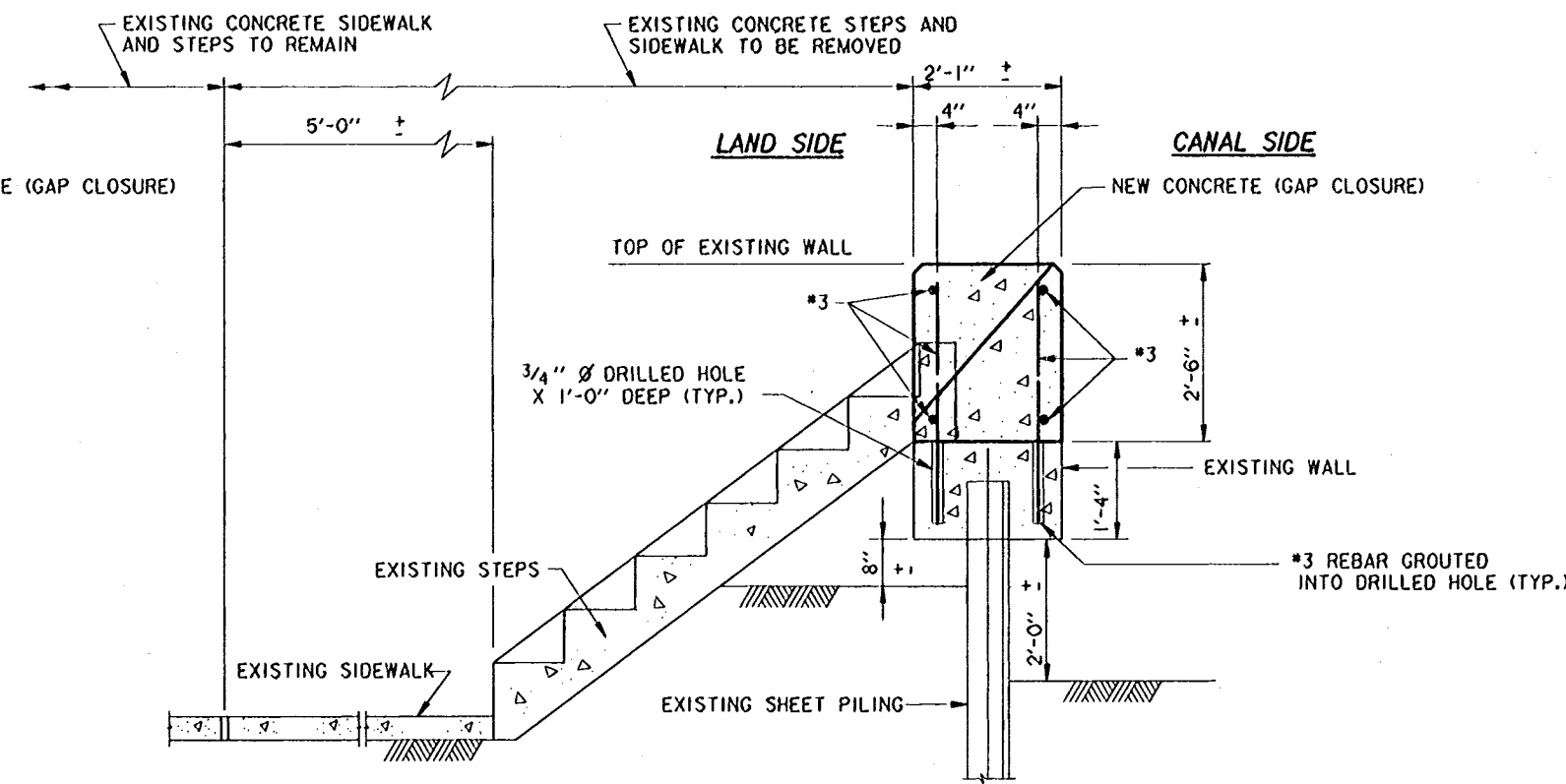




**FILMORE AVE. - WEST SIDE
PLAN**
SCALE: 3/4" = 1'- 0"

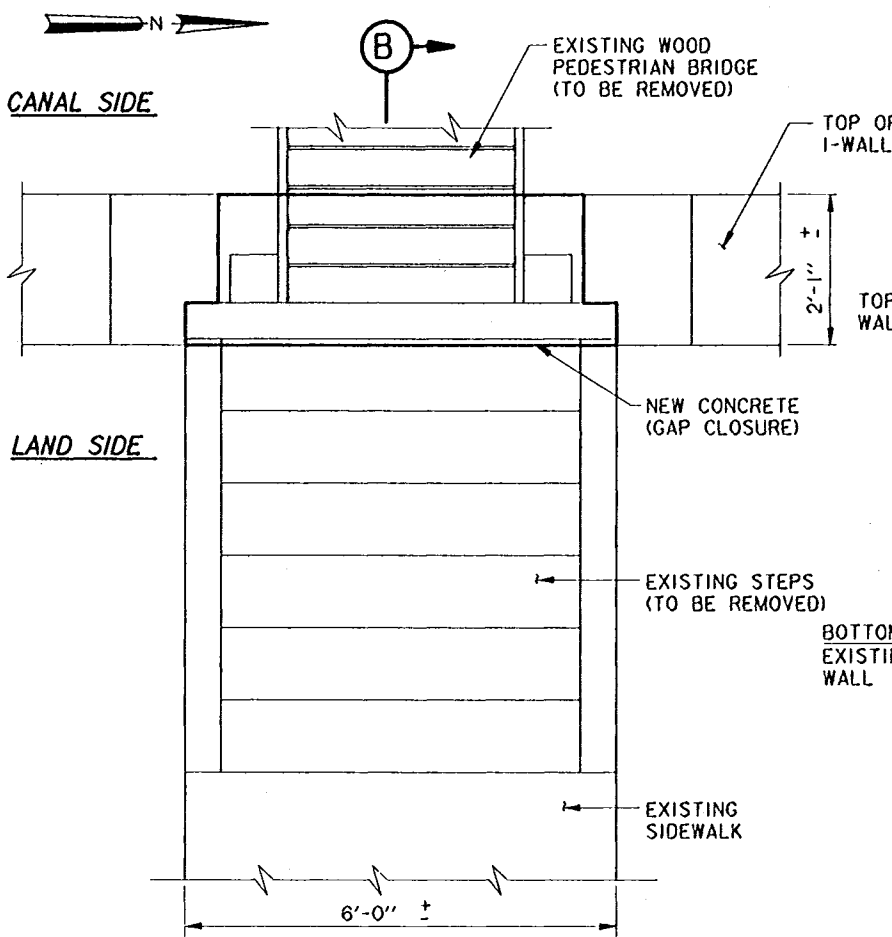


**LAND SIDE ELEVATION
FILMORE AVE. - WEST SIDE
EXISTING PEDESTRIAN BRIDGE (PB-1) GAP CLOSURE**
SCALE: 3/4" = 1'- 0"

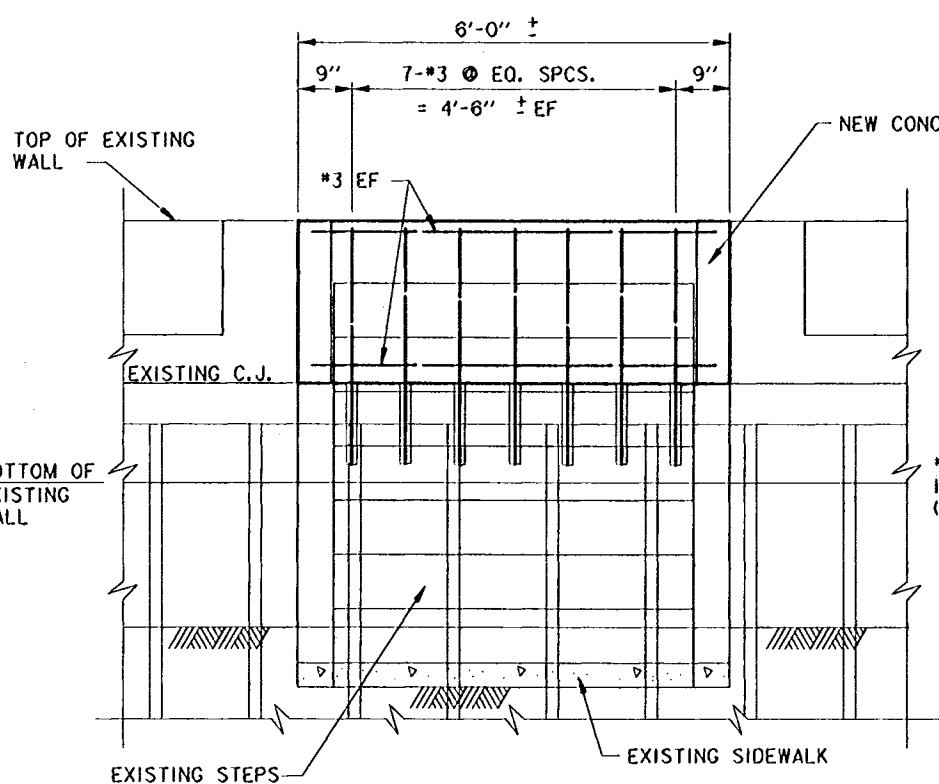


NOTE: AFTER REMOVING THE STEPS AND SIDEWALK, DRESS THE LEVEE TO MATCH ADJACENT GRADES.

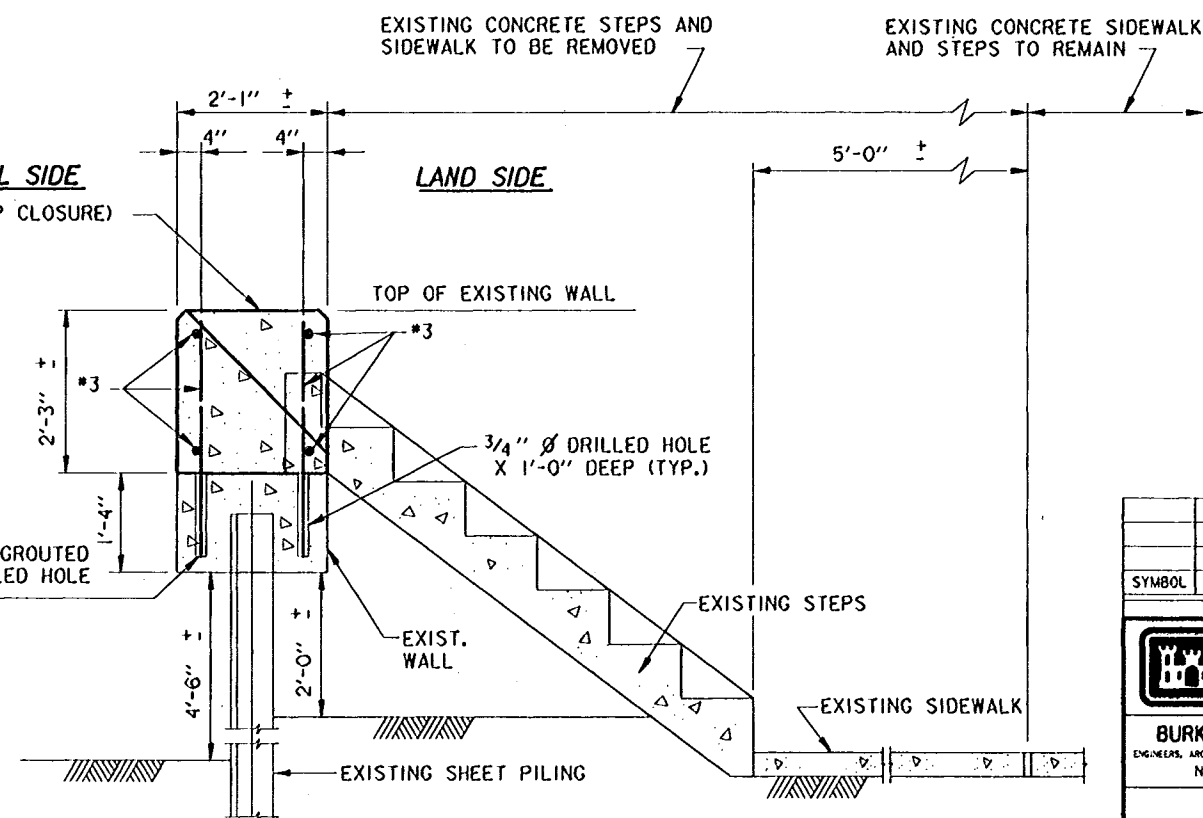
SECTION A
SCALE: 3/4" = 1'- 0"



**FILMORE AVE. - EAST SIDE
PLAN**
SCALE: 3/4" = 1'- 0"

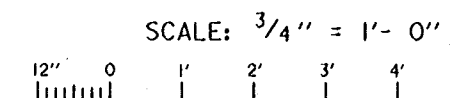


**LAND SIDE ELEVATION
FILMORE AVE. - EAST SIDE
EXISTING PEDESTRIAN BRIDGE (PB-1) GAP CLOSURE**
SCALE: 3/4" = 1'- 0"

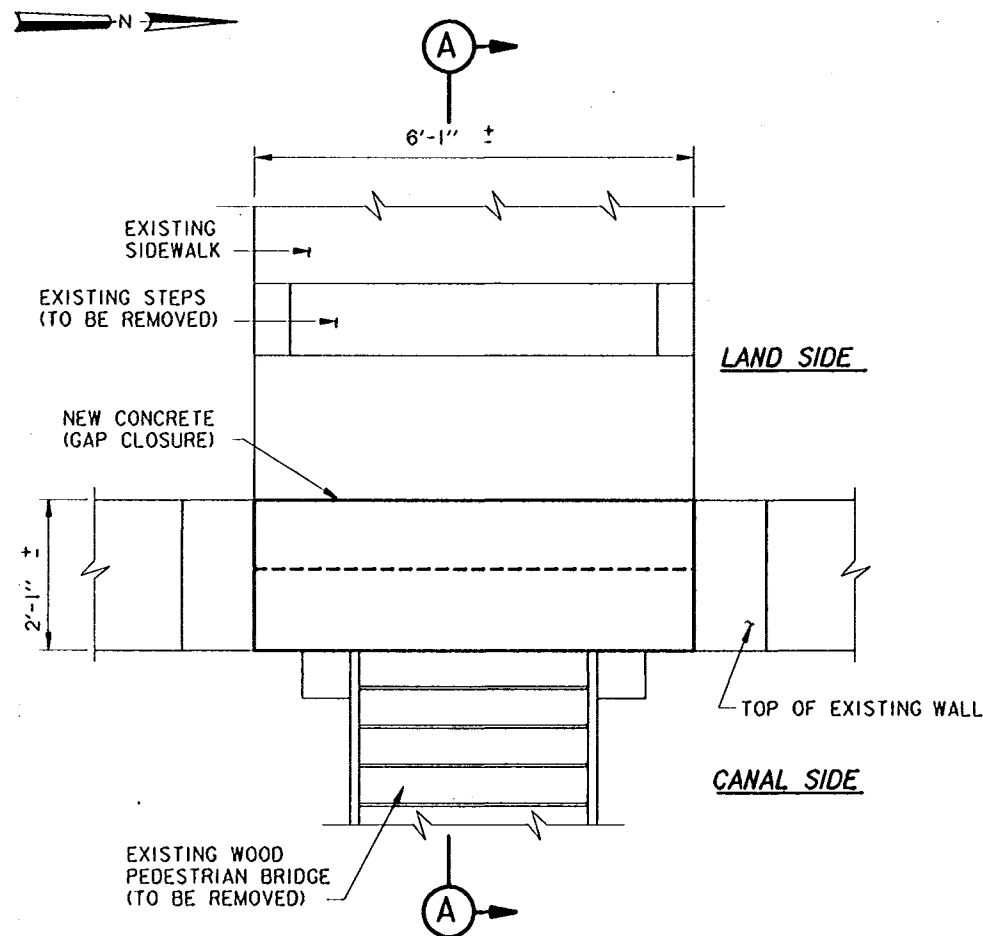


SECTION B
SCALE: 3/4" = 1'- 0"

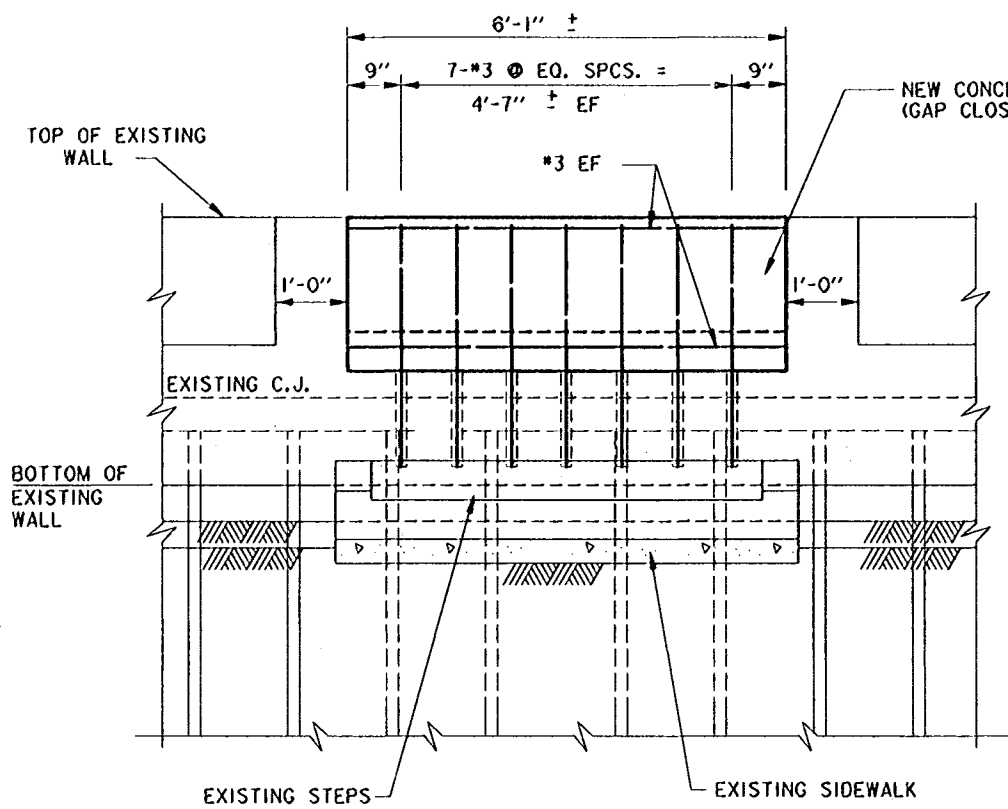
**Safety is a Part
of Your Contract**



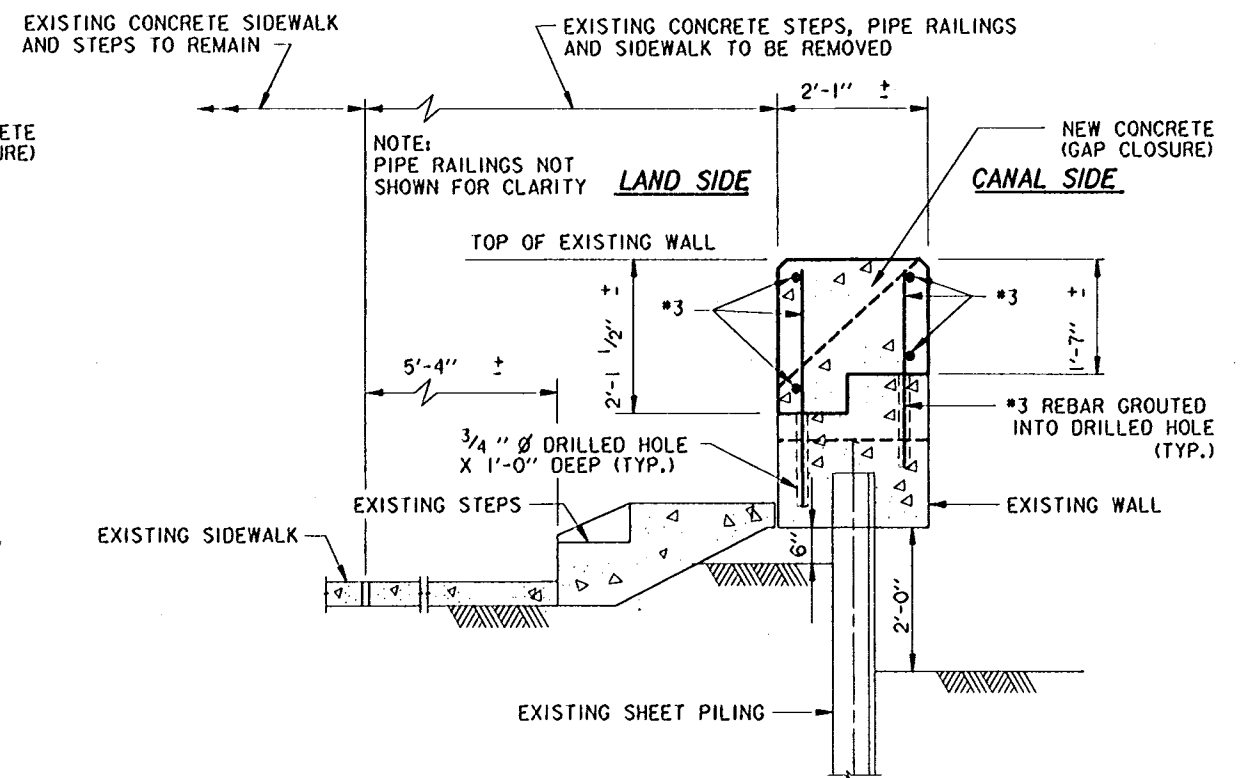
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
PEDESTRIAN BRIDGE GAP CLOSURE			
DESIGNED BY: W. BURK IV	DATE: 02/94	PLOT SCALE: 1/8	PLOT DATE: 02/04/94
DRAWN BY: T. LITCHLITER	CHECKED BY: S. I. SHAH	CADD FILE: 4029544.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 44 OF 73	



ROBERT E. LEE BLVD. - WEST SIDE
PLAN
 SCALE: 3/4" = 1'- 0"

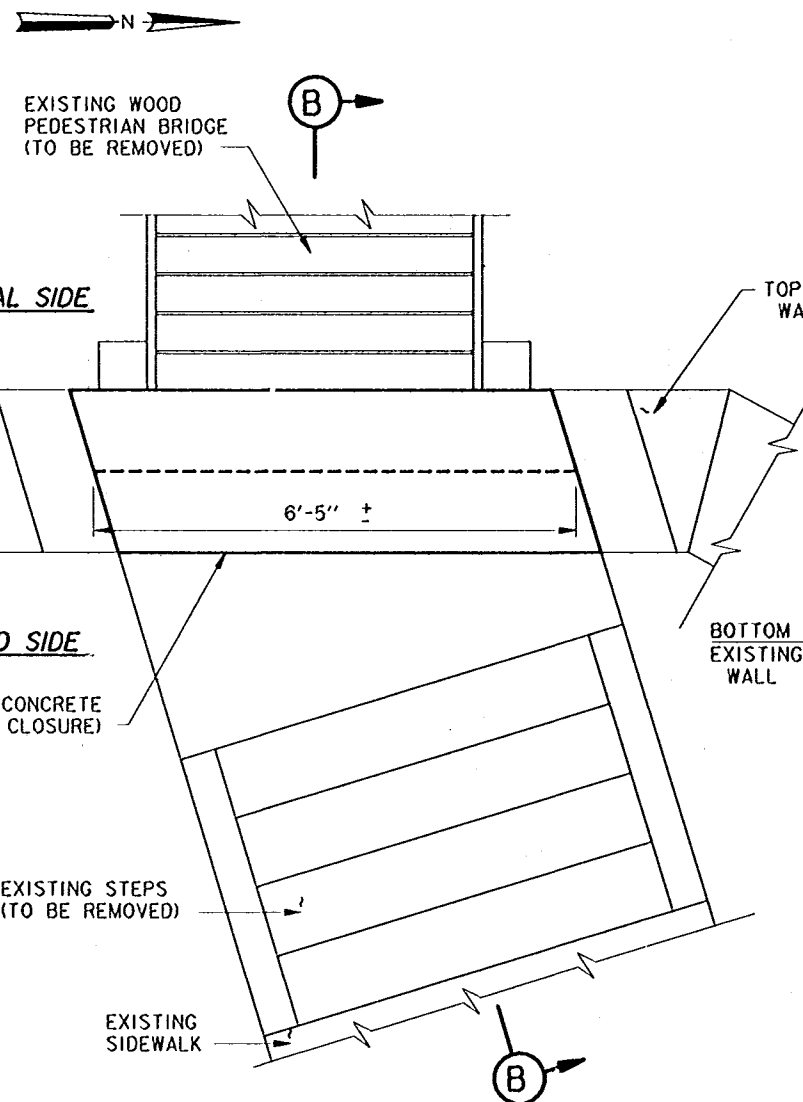


LAND SIDE ELEVATION
ROBERT E. LEE BLVD. - WEST SIDE
EXISTING PEDESTRIAN BRIDGE (PB-2) GAP CLOSURE
 SCALE: 3/4" = 1'- 0"

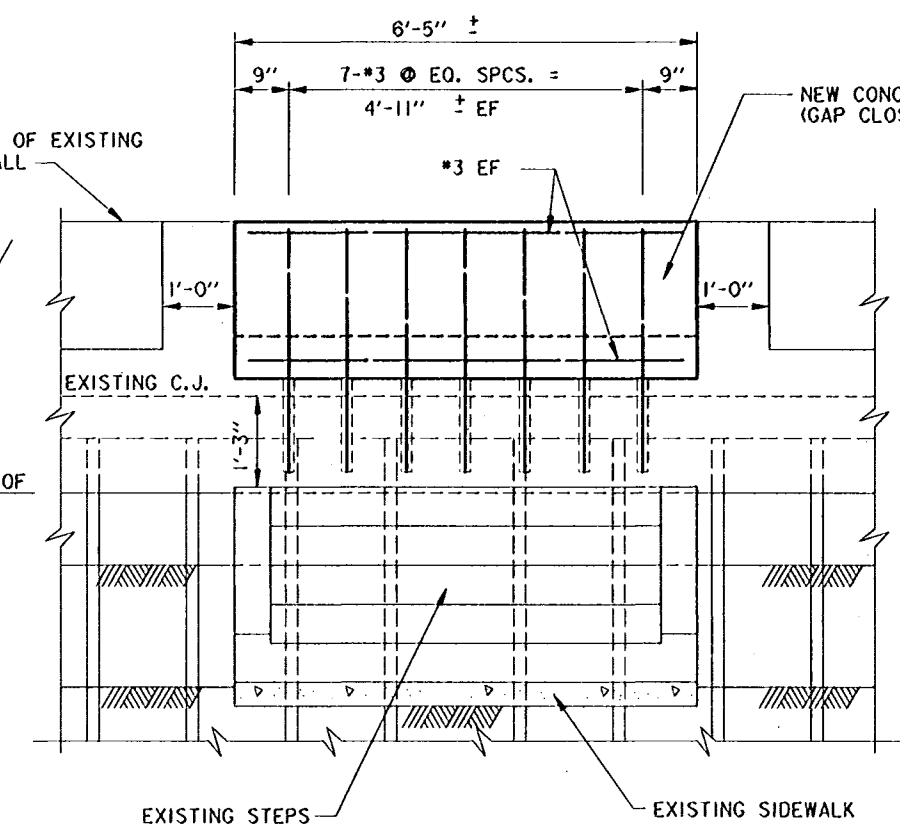


NOTE: AFTER REMOVING THE STEPS, PIPE RAILING, AND SIDEWALK, DRESS THE LEVEE TO MATCH ADJACENT GRADES.

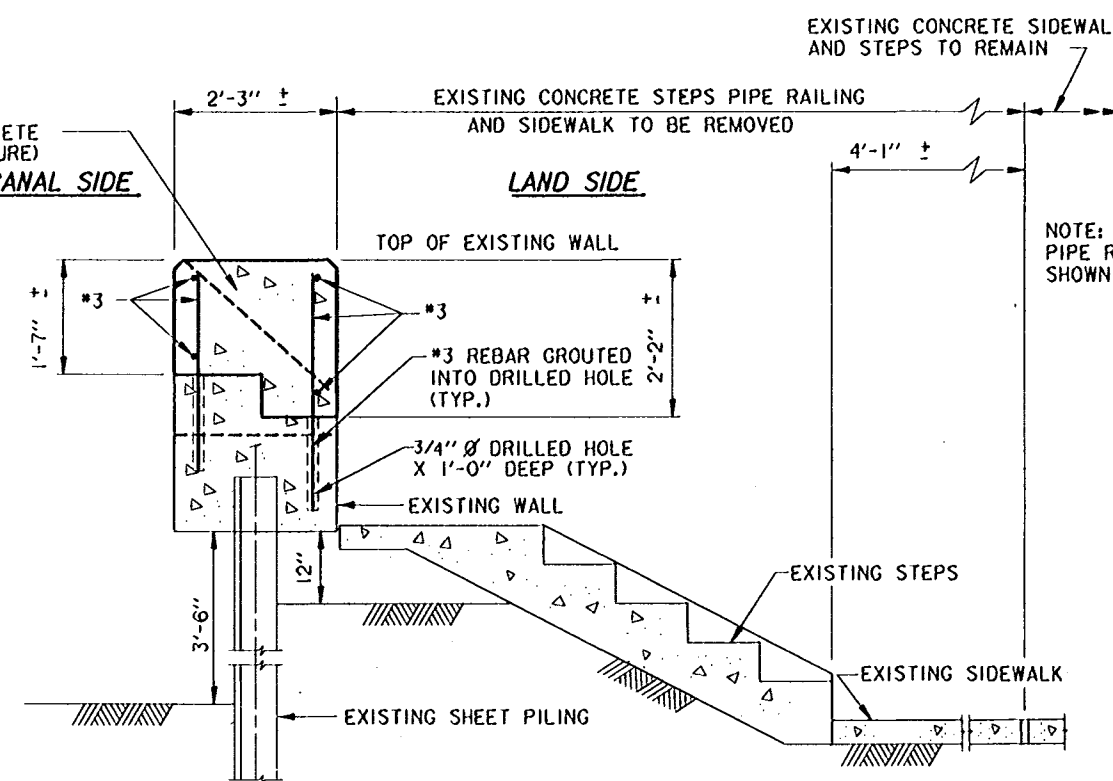
SECTION (A)
 SCALE: 3/4" = 1'- 0"



ROBERT E. LEE BLVD. - EAST SIDE
PLAN
 SCALE: 3/4" = 1'- 0"



LAND SIDE ELEVATION
ROBERT E. LEE BLVD. - EAST SIDE
EXISTING PEDESTRIAN BRIDGE (PB-2) GAP CLOSURE
 SCALE: 3/4" = 1'- 0"



NOTE: PIPE RAILING NOT SHOWN FOR CLARITY

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

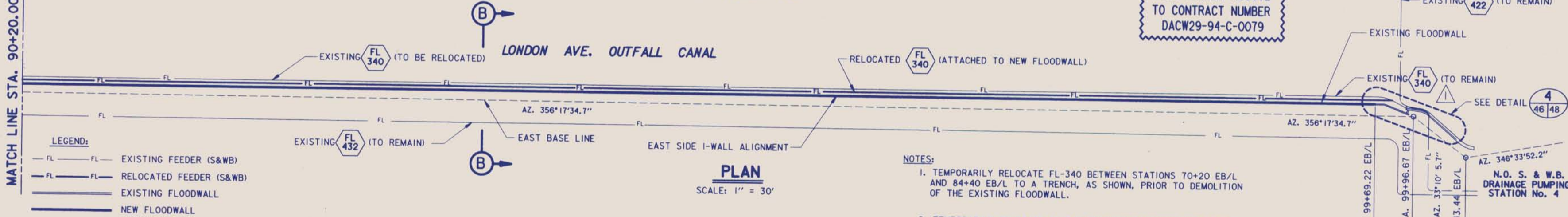
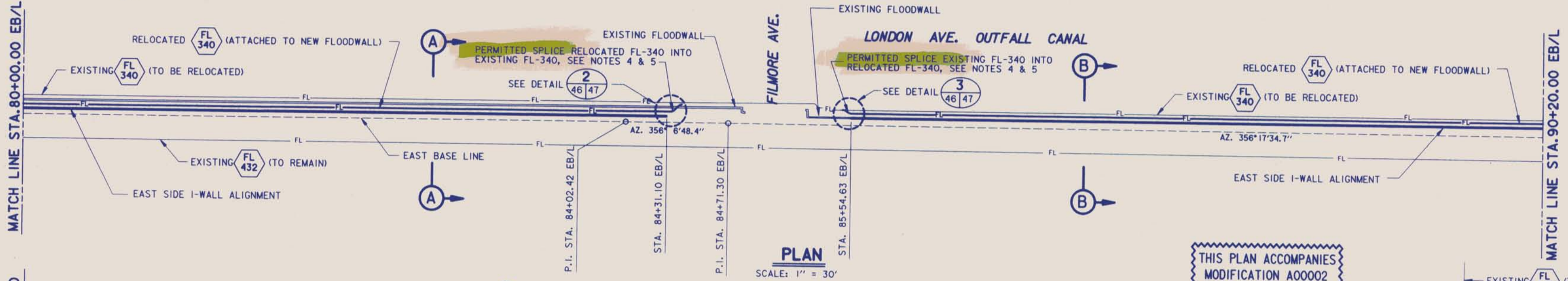
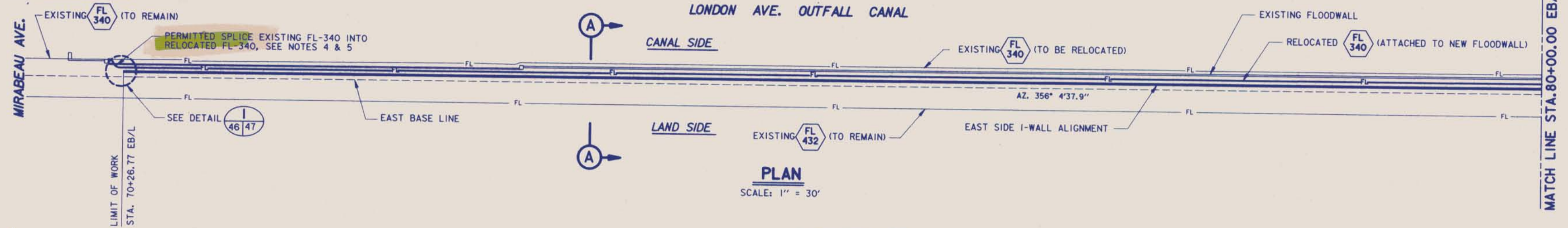
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SCALE: 3/4" = 1'- 0"
 12" 0 1' 2' 3' 4' 5'

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
PEDESTRIAN BRIDGE GAP CLOSURE			
DESIGNED BY: W.BURK IV	DATE: 02/94	PLOT SCALE: 18	PLOT DATE: 02/04/94
DRAWN BY: T.LITCHLITER	CADD FILE: 402949.DGN	FILE NO. H-4-40295	
CHECKED BY: S.J. SHAH	SUBMITTED BY: MICHAEL G. JACKSON, P.E.		
SOLICITATION NO. OACW29-94-B-0047		DWG. 45 OF 73	

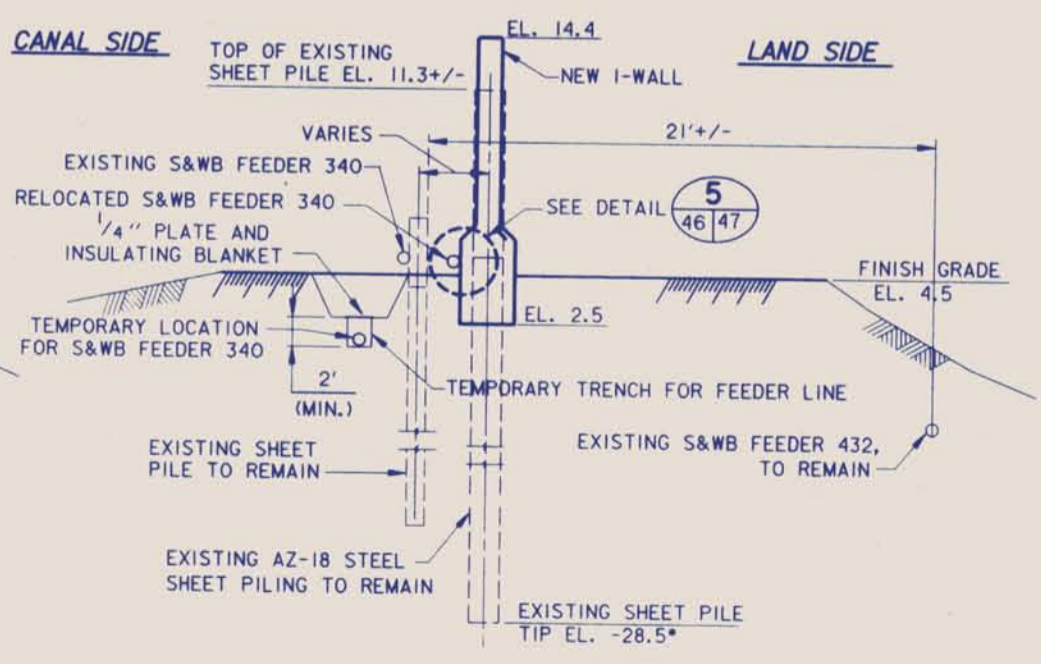
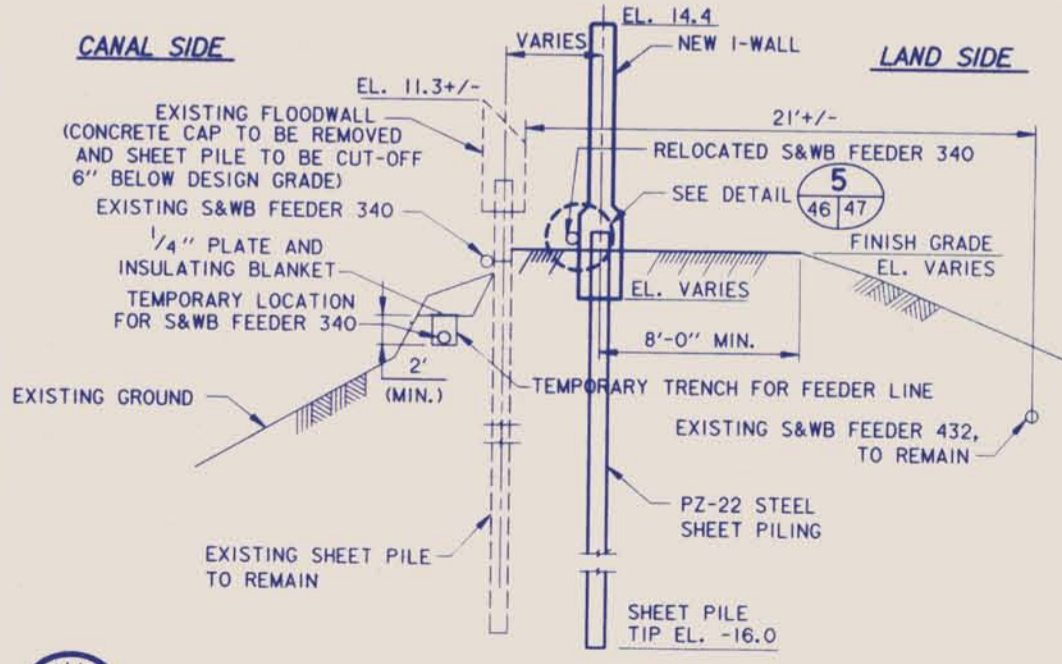


Safety is a Part of Your Contract



LEGEND:
 -FL-FL- EXISTING FEEDER (S&WB)
 -FL-FL- RELOCATED FEEDER (S&WB)
 - - - EXISTING FLOODWALL
 - - - NEW FLOODWALL

- NOTES:**
1. TEMPORARILY RELOCATE FL-340 BETWEEN STATIONS 70+20 EB/L AND 84+40 EB/L TO A TRENCH, AS SHOWN, PRIOR TO DEMOLITION OF THE EXISTING FLOODWALL.
 2. TEMPORARILY RELOCATE FL-340 BETWEEN STATIONS 85+50 EB/L AND 100+13 EB/L TO A TRENCH, AS SHOWN, PRIOR TO CUTTING EXISTING AZ-18 STEEL SHEET PILING.
 3. PERMANENTLY RELOCATE FL-340 BETWEEN STATIONS 70+25 EB/L AND 84+35 EB/L AND BETWEEN STATIONS 85+55 EB/L AND 99+70 EB/L TO THE NEW FLOODWALL AS SHOWN IN SECTIONS "A" AND "B".
 4. IN ORDER TO RELOCATE FL-340 (BOTH TEMPORARY AND PERMANENT LOCATIONS), CONTRACTOR SHALL PROVIDE SHORT LENGTHS OF NEW CABLE WITH SPLICES TO EXISTING CABLE, IF THERE IS INSUFFICIENT SLACK IN THE EXISTING CABLE TO ALLOW FOR THE RELOCATION. ANY REQUIRED ADDITIONAL LENGTHS OF CABLE AND RESULTING SPLICES, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE GOVERNMENT.
 5. ANY REQUIRED NEW CABLE FOR FL-340 SHALL BE 3/C *500 MCM LEAD COVERED 15 KV CABLE WITH PVC JACKET INSTALLED IN 5" RIGID GALVANIZED CONDUIT.



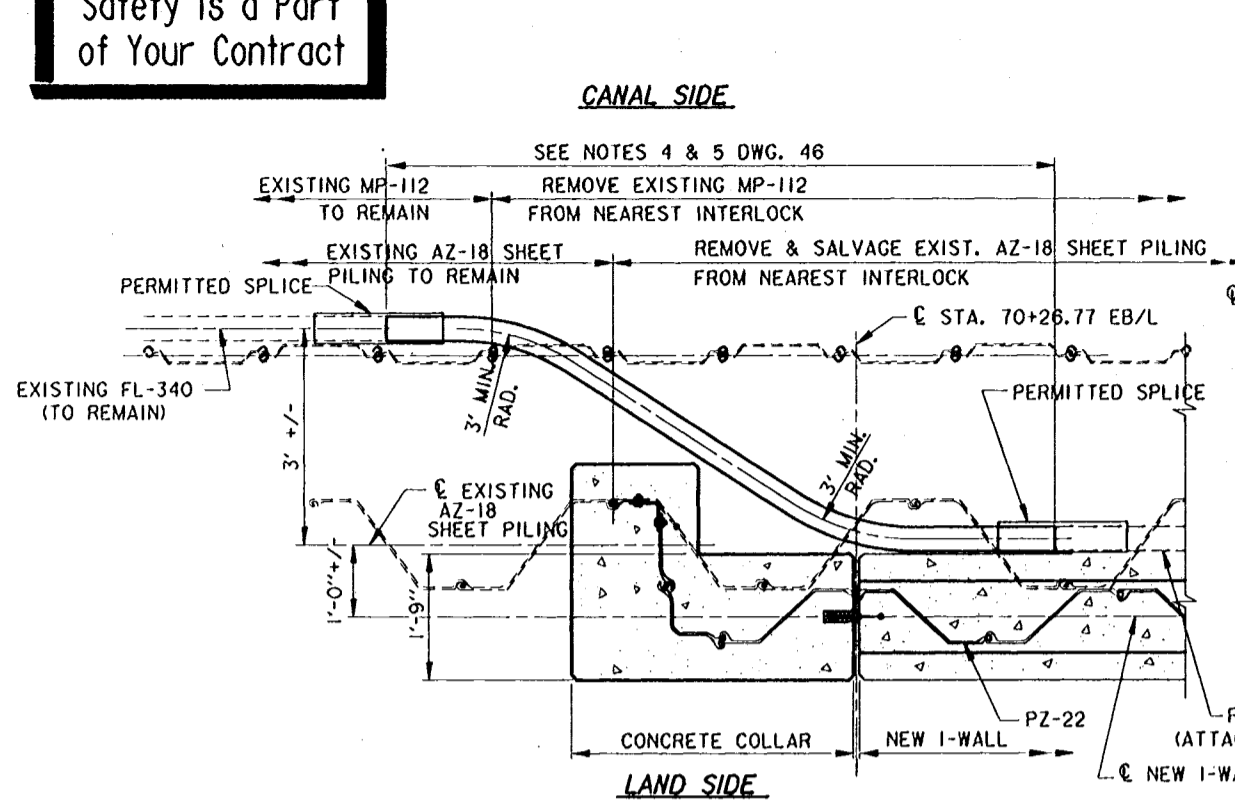
SYMBOL	DESCRIPTION	DATE	APPROVED
△	DELETED NEW WALL BETWEEN 99+69.22 AND 99+74.00, MOD. A2	08-14-95	B.K.L.

REVISIONS	
1	U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA
2	BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA

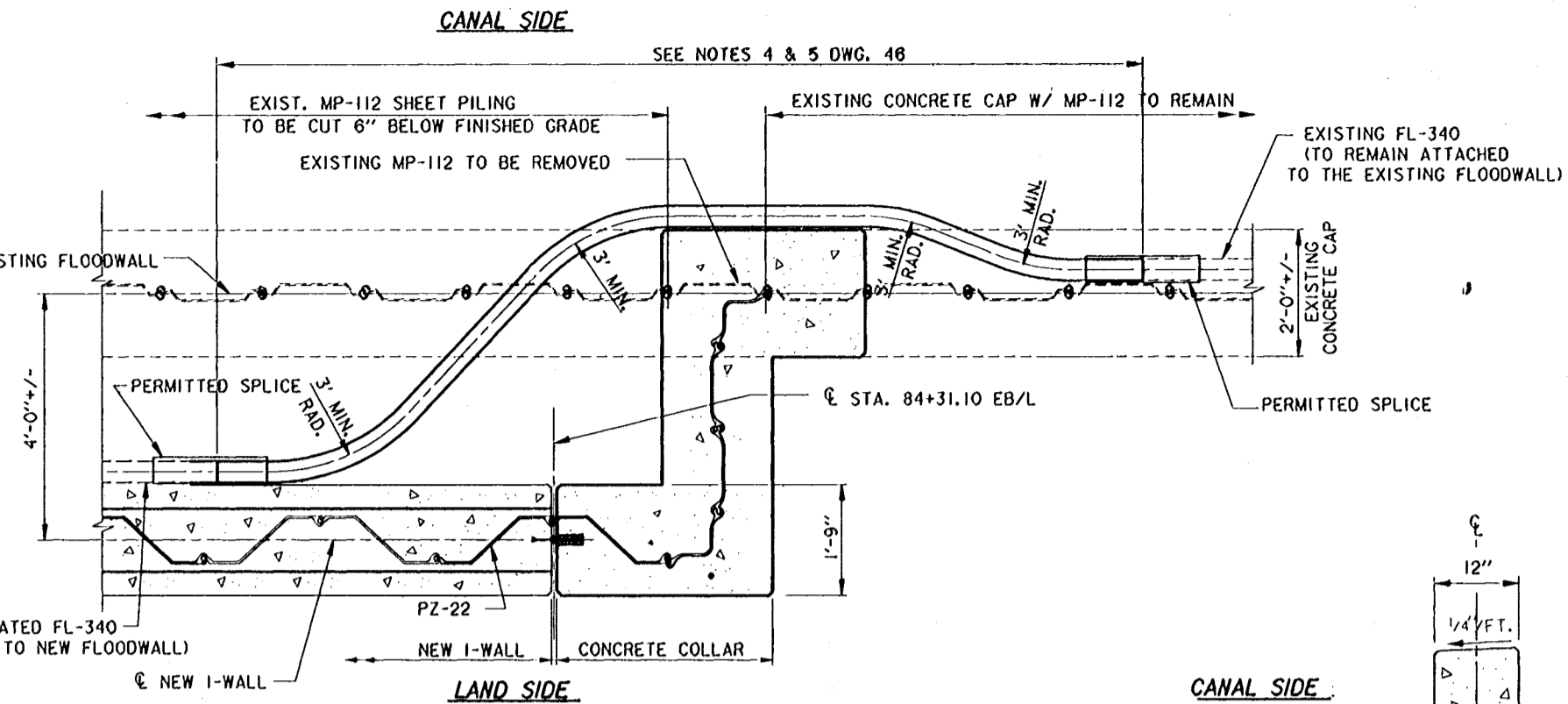
DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 360	PLOT DATE: 12/5/95
DRAWN BY: BINH LE	CHECKED BY: S.L.SHAH	CADD FILE: 4029546.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 46 OF 73	



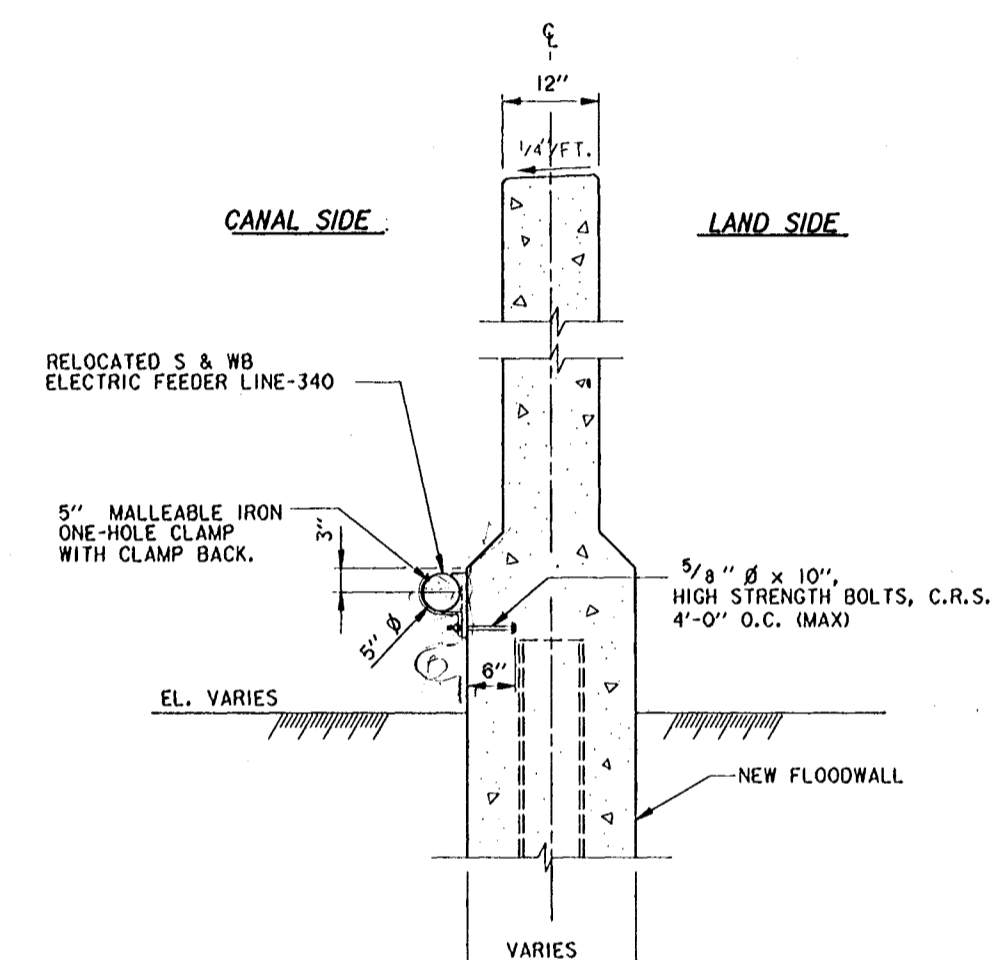
Safety is a Part of Your Contract



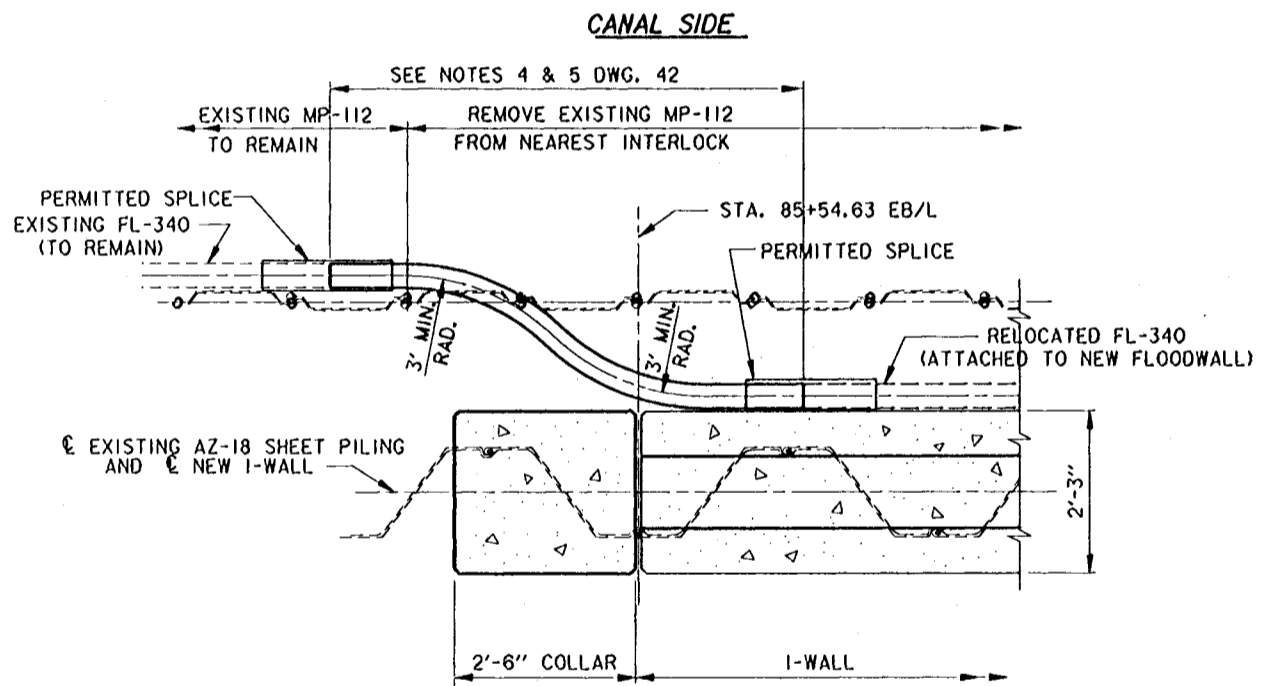
DETAIL 1
 SCALE: 3/4" = 1'-0"



DETAIL 2
 SCALE: 3/4" = 1'-0"

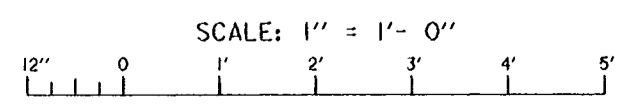
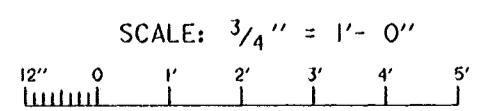


DETAIL 5
 SCALE: 1" = 1'-0"



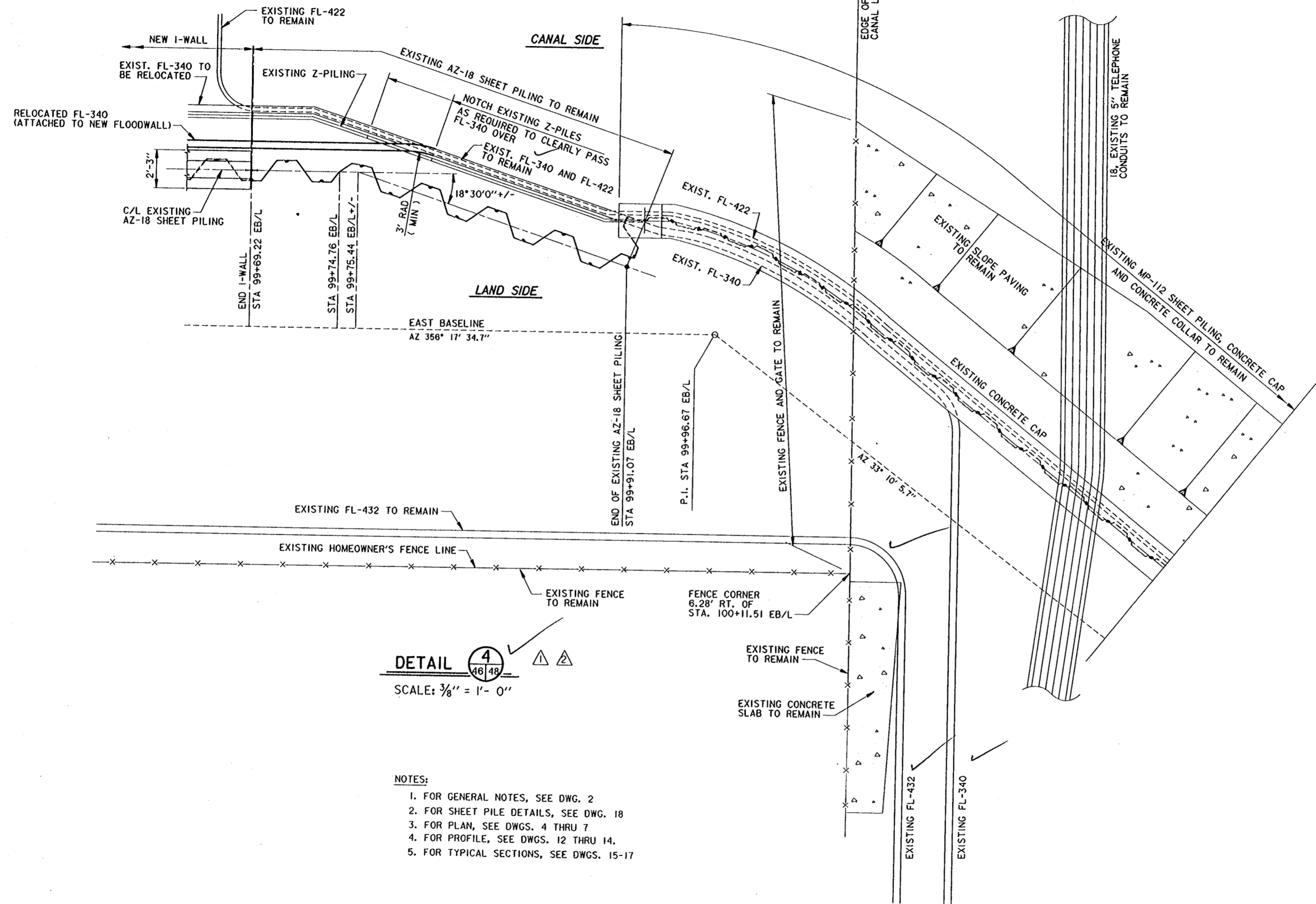
DETAIL 3
 SCALE: 3/4" = 1'-0"

- NOTES:**
1. FOR GENERAL NOTES, SEE DWG. 2
 2. FOR TYPICAL SECTIONS, SEE DWG. 15 & 16.
 3. FOR PLAN, SEE DWGS. 4 THRU 7
 4. FOR PROFILES, SEE DWGS. 12 THRU 14.
 5. FOR EXISTING FLOODWALL TO NEW I-WALL CONNECTION, SEE DWGS. 21 - 28.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA ELECTRIC FEEDER RELOCATION EAST SIDE			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029547.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 47 OF 73	
BURK-KLEINPETER, INC.			

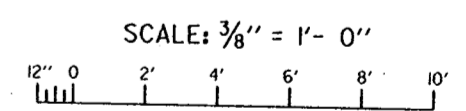
Safety is a Part of Your Contract



DETAIL 4
 SCALE: 3/8" = 1'-0"

- NOTES:
1. FOR GENERAL NOTES, SEE DWG. 2
 2. FOR SHEET PILE DETAILS, SEE DWG. 18
 3. FOR PLAN, SEE DWGS. 4 THRU 7
 4. FOR PROFILE, SEE DWGS. 12 THRU 14.
 5. FOR TYPICAL SECTIONS, SEE DWGS. 15-17

THIS PLAN ACCOMPANIES
 MODIFICATION A00002
 TO CONTRACT NUMBER
 DACW29-94-C-0079



GENERAL REVISIONS: MOD. A2	8-14-95	B.K.I.
AMEND. NO. 1	10-4-94	B.K.I.
SYMBOL	DESCRIPTION	DATE APPROVED

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

BURK - KLEINPETER, INC.
 ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
 NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
 MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
 MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
 ORLEANS PARISH, LOUISIANA

**ELECTRIC FEEDER RELOCATION
 EAST SIDE**

DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 32	PLOT DATE: 12/5/95
DRAWN BY: BINH LE	CADD FILE: 4029548.DGN	FILE NO. H-4-40295	
CHECKED BY: S.I. SHAH	SOLICITATION NO. DACW29-94-B-0047	DWG. 48 OF 73	
SUBMITTED BY: MICHAEL G. JACKSON, P.E.			





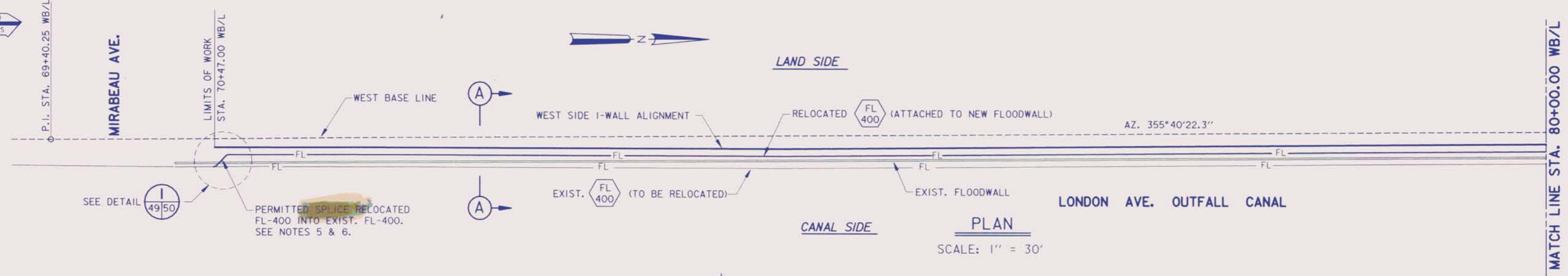
5

4

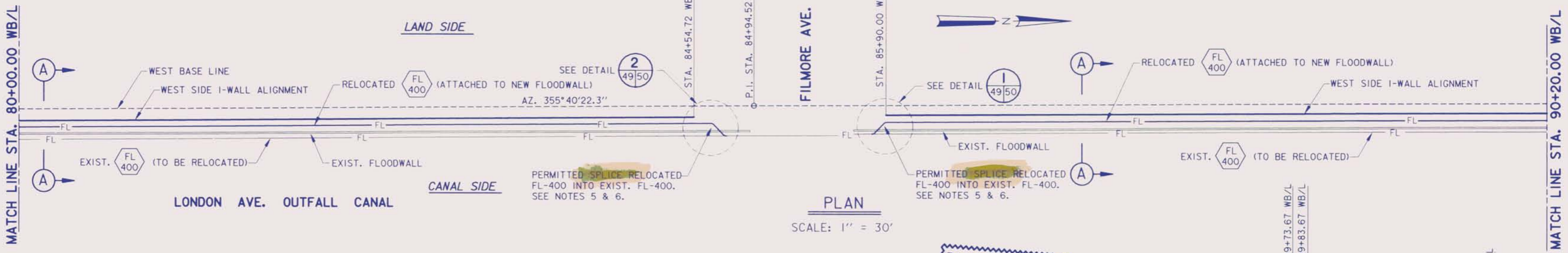
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2

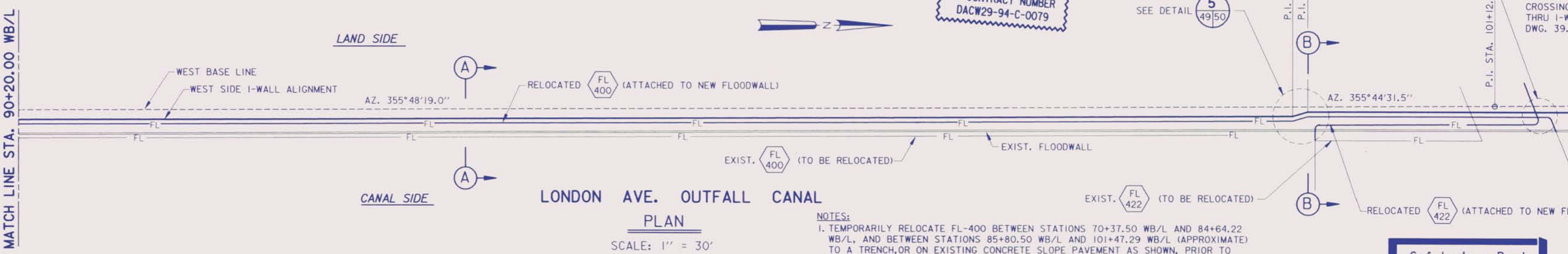
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PLAN
SCALE: 1" = 30'



PLAN
SCALE: 1" = 30'

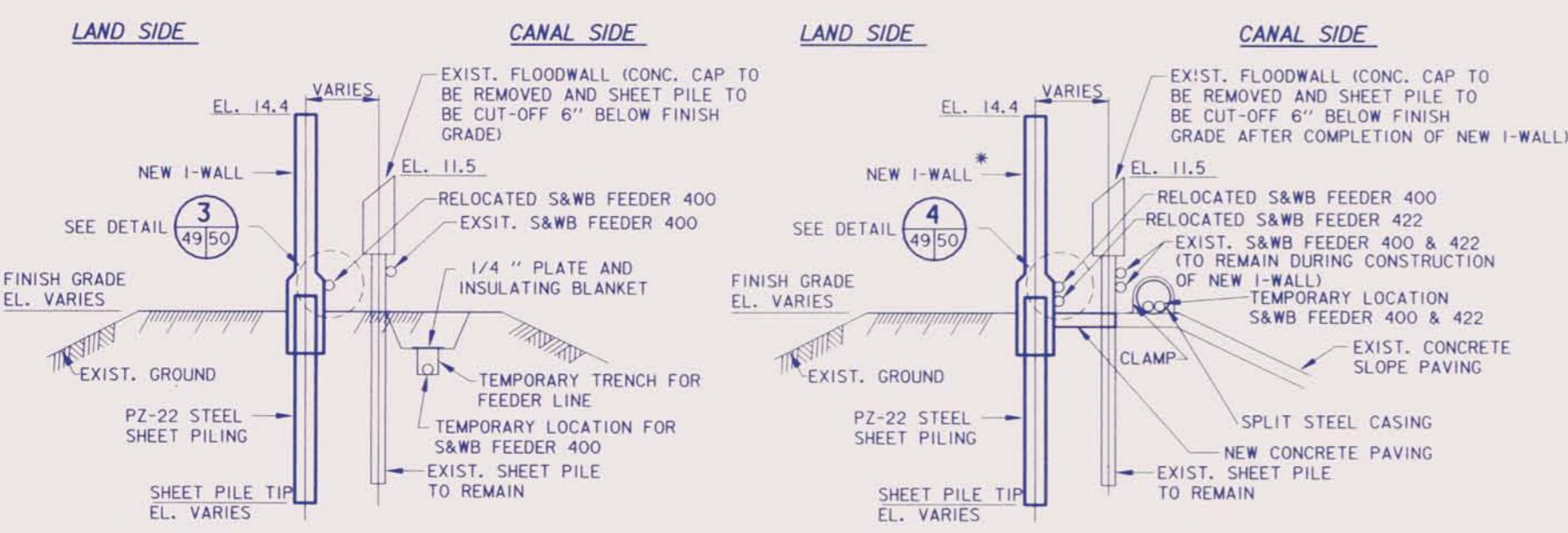


PLAN
SCALE: 1" = 30'

THIS PLAN ACCOMPANIES
MODIFICATION A00007
TO CONTRACT NUMBER
DACW29-94-C-0079

- NOTES:**
- TEMPORARILY RELOCATE FL-400 BETWEEN STATIONS 70+37.50 WB/L AND 84+64.22 WB/L, AND BETWEEN STATIONS 85+80.50 WB/L AND 101+47.29 WB/L (APPROXIMATE) TO A TRENCH OR ON EXISTING CONCRETE SLOPE PAVEMENT AS SHOWN, PRIOR TO DEMOLITION OF THE EXISTING FLOODWALL. A SPLICE WILL BE PERMITTED AT STATIONS 70+37.50 WB/L AND 49.00 WB/L, 84+51.72 WB/L, 84+64.22 WB/L, 85+80.50 WB/L, 85+92.00 WB/L, 101+32.00 WB/L AND 101+45.00 WB/L.
 - PERMANENTLY RELOCATE FL-400 BETWEEN STATIONS 70+37.50 WB/L AND 84+64.22 WB/L, AND BETWEEN STATIONS 85+80.50 WB/L AND 101+47.29 WB/L (APPROXIMATE) TO THE NEW FLOODWALL AS SHOWN IN SECTIONS "AA" AND "BB".
 - TEMPORARILY RELOCATE FL-422 BETWEEN STATIONS 99+99.23 WB/L AND 101+38.90 WB/L ON EXISTING CONCRETE PAVEMENT AS SHOWN, PRIOR TO DEMOLITION OF EXISTING FLOODWALL. THE CONTRACTOR SHALL PROVIDE SPLIT STEEL CASING WITH CLAMPS TO PROTECT THE TEMPORARILY RELOCATED FEEDER LINES ON EXISTING SLOPE PAVEMENT. A SPLICE WILL BE PERMITTED AT STATION 99+99.23 WB/L ON THE CANAL SIDE AND AT STATION 101+38.90 WB/L ON THE LAND SIDE OF THE FLOODWALL.
 - PERMANENTLY RELOCATE FL-422 BETWEEN STATIONS 99+99.23 WB/L AND 101+38.90 WB/L TO THE NEW FLOODWALL AS SHOWN IN SECTION "BB".
 - IN ORDER TO RELOCATE FL-400 AND FL-422 (BOTH TEMPORARY AND PERMANENT LOCATIONS), CONTRACTOR MAY PROVIDE SHORT LENGTHS OF NEW CABLE WITH SPLICES TO EXISTING CABLE, IF THERE IS INSUFFICIENT SLACK IN THE EXISTING CABLE TO ALLOW FOR THE RELOCATION. ANY REQUIRED ADDITIONAL LENGTHS OF CABLE AND RESULTING SPLICES, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE GOVERNMENT.
 - ANY REQUIRED NEW CABLE FOR FL-400 SHALL BE 3/C #500 MCM LEAD COVERED 15 KV CABLE WITH PVC JACKET INSTALLED IN 5" RIGID GALVANIZED CONDUIT. EXISTING FEEDER 422 CONSIST OF A THREE (3) CONDUCTOR STEEL ARMORED SUBMARINE NO.4 AWG COPPER, RUBBER INSULATED, LEAD COVERED 15 KV POWER CABLE.

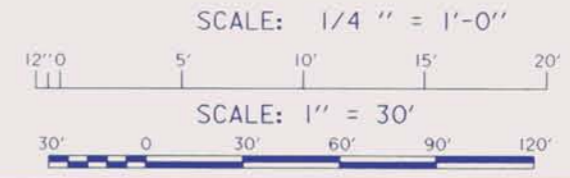
- NOTES:**
- FOR GENERAL NOTES, SEE DWG. 2.
 - FOR TYPICAL SECTIONS, SEE DWG. 17.
 - FOR PLAN, SEE DWGS. 4 THRU 7.
 - FOR PROFILES, SEE DWGS. 12 THRU 14.
 - FOR EXISTING FLOODWALL TO NEW I-WALL CONNECTION, SEE DWGS. 29 THRU 30.



SECTION A
SCALE: 1/4" = 1'-0"

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

* STA. 100+84.14 TO STA. 101+12.35, WB/L UNCAPPED SHEET PILING, SEE DWG. 13.

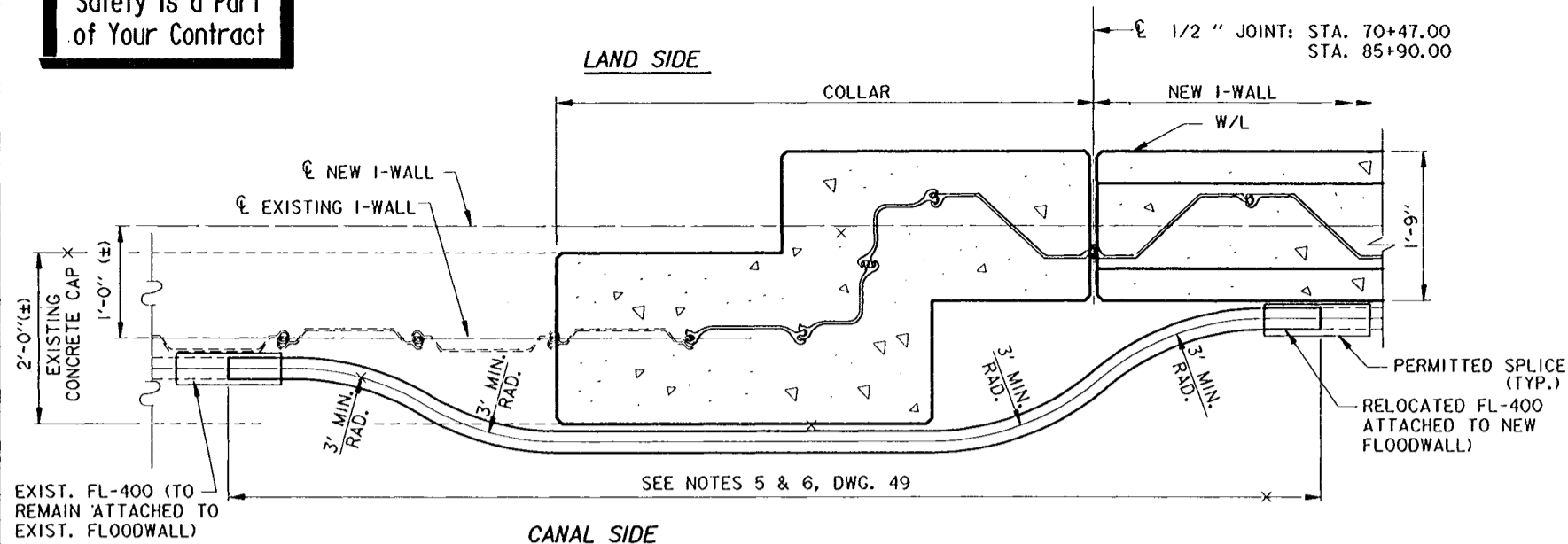


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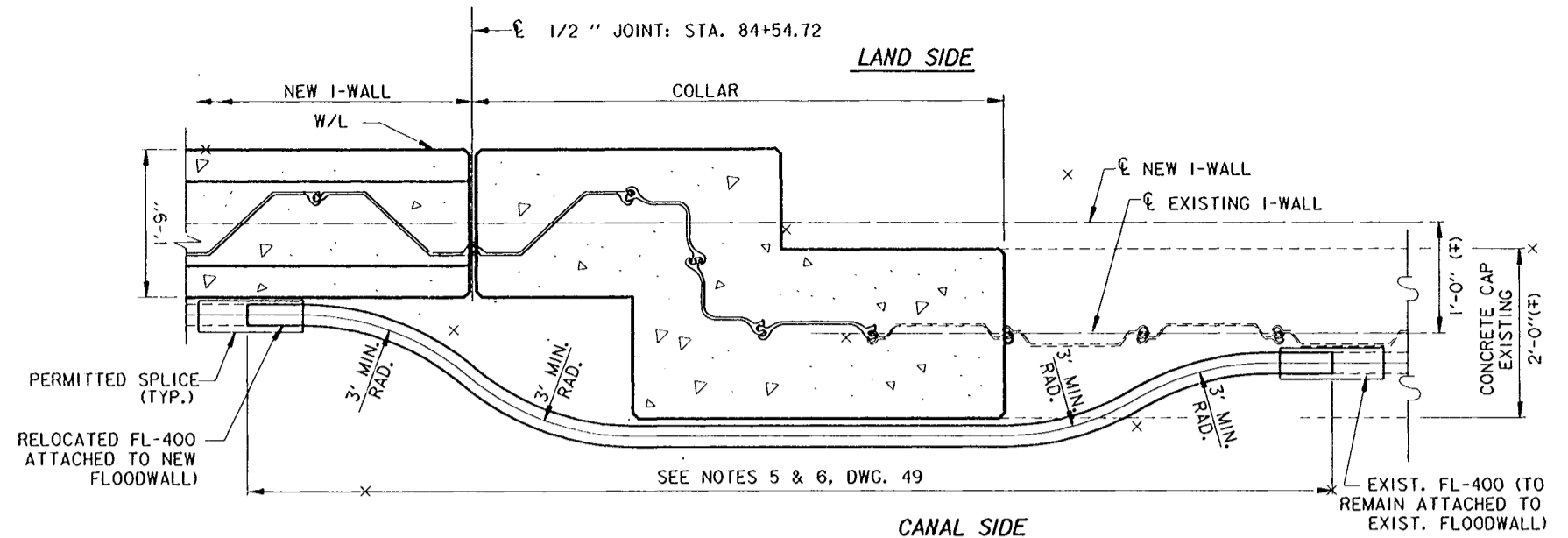
REVISED WALL, MOD. A7	11-01-95	B.K.L.
AMEND. NO. 1	10-4-94	B.K.L.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS		
CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA	GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN		
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA		
ELECTRIC FEEDER RELOCATION WEST SIDE		
DESIGNED BY: B.D.	DATE: 2/94	PLOT SCALE: 360
DRAWN BY: D.H.		PLOT DATE: 3/25/96
CHECKED BY: B.D.		FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E. DESIGN ENGINEER	SOLICITATION NO. DACW29-94-B-0047	DWG. 49 OF 73

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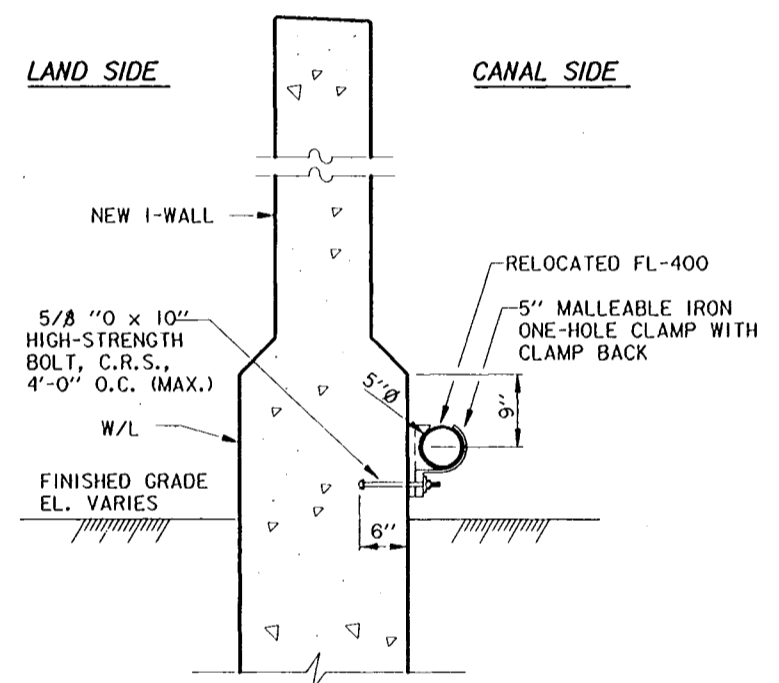
DETAIL 1
49/50

SCALE: 1" = 1'-0"



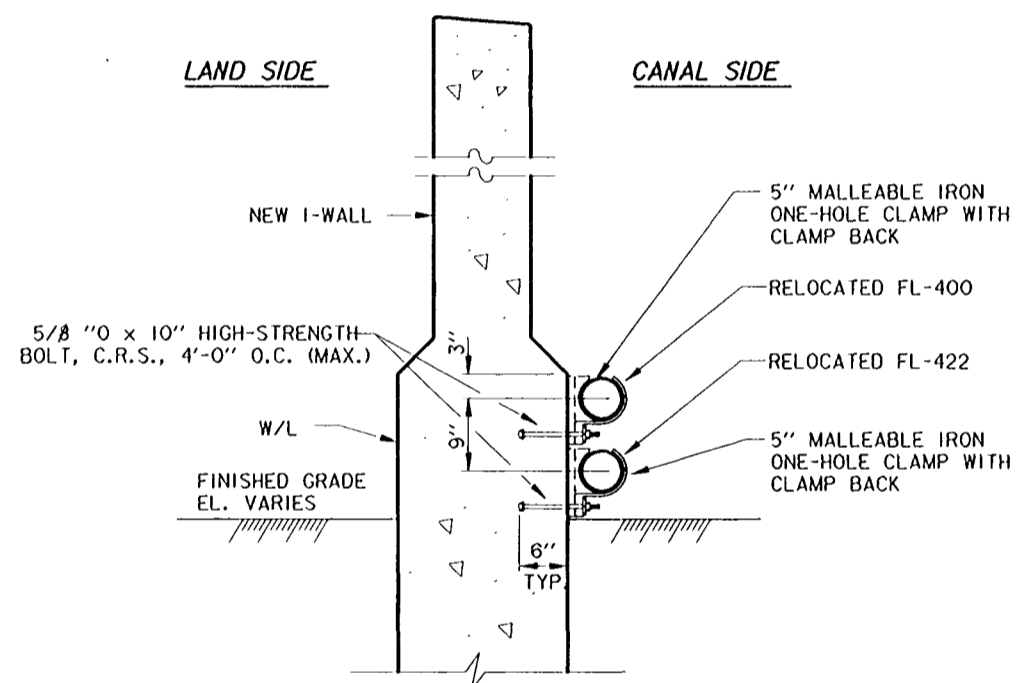
DETAIL 2
49/50

SCALE: 1" = 1'-0"



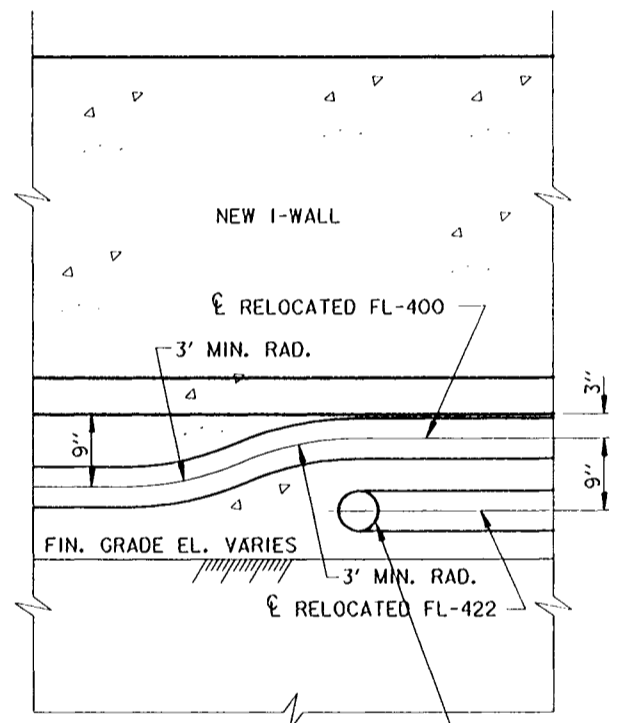
DETAIL 3
49/50

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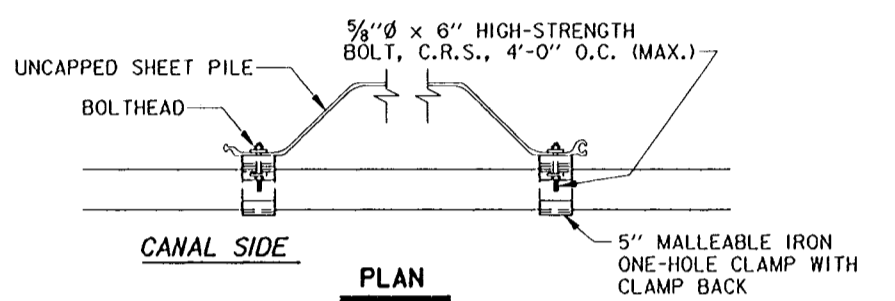


DETAIL 4
49/50

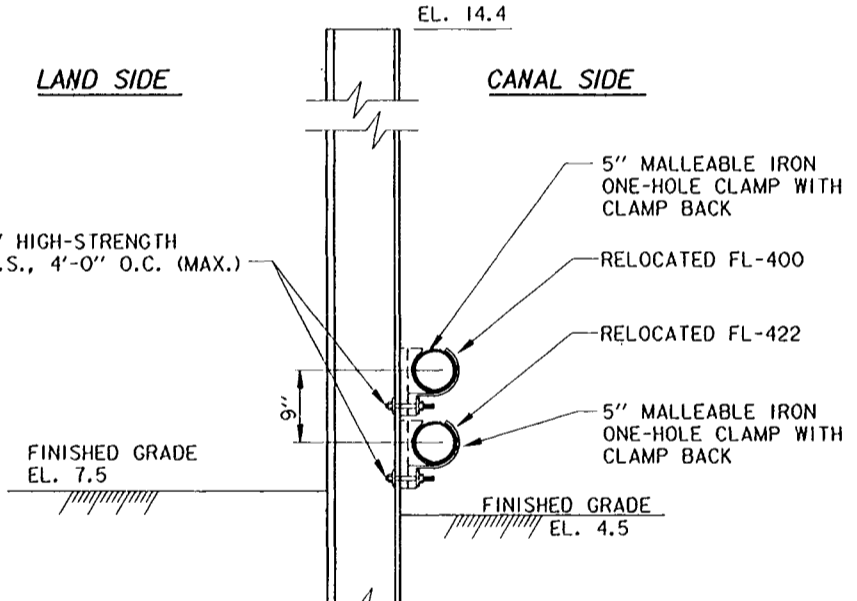
SCALE: 1" = 1'-0"



ELEVATION



PLAN

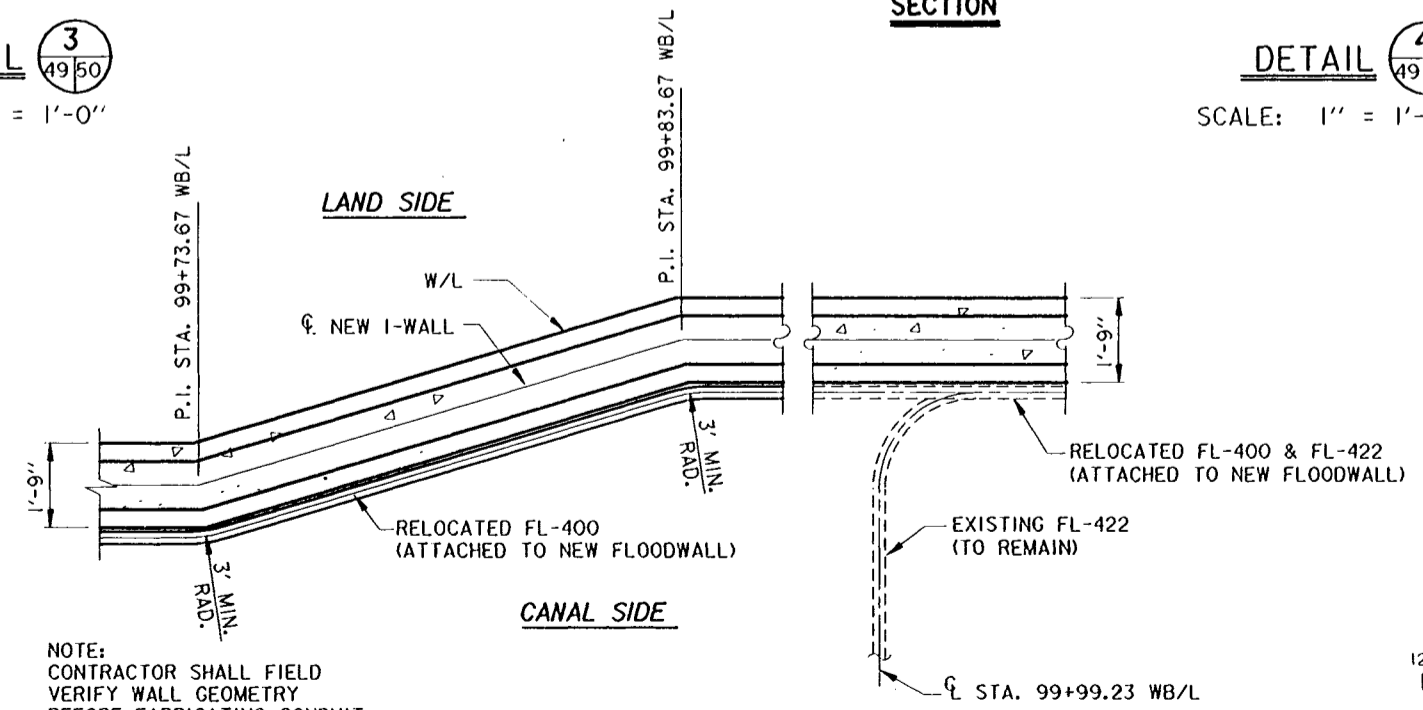


SECTION

STA 100+84.14 TO 101+12.35 W B/L

DETAIL 4
49/50

SCALE: 1" = 1'-0"

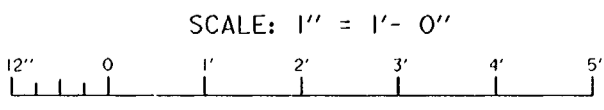
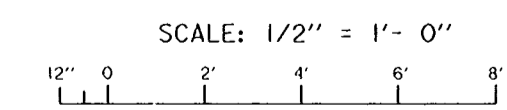


DETAIL 5
49/50

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

NOTE:
CONTRACTOR SHALL FIELD VERIFY WALL GEOMETRY BEFORE FABRICATING CONDUIT.

- NOTES:**
1. FOR GENERAL NOTES, SEE DWG. 2.
 2. FOR LAP LENGTHS AND EMBEDMENT LENGTHS, SEE TABLE, DWG. 2.
 3. FOR CONCRETE NOTES, SEE DWG. 2.
 4. FOR SHEET PILE DETAILS, SEE DWG. 19.
 5. FOR I-WALL REINFORCEMENT DETAILS, SEE DWG. 35.
 6. FOR PLAN, SEE DWGS. 4 THRU 7.
 7. FOR PROFILES, SEE DWGS. 12 THRU 14.

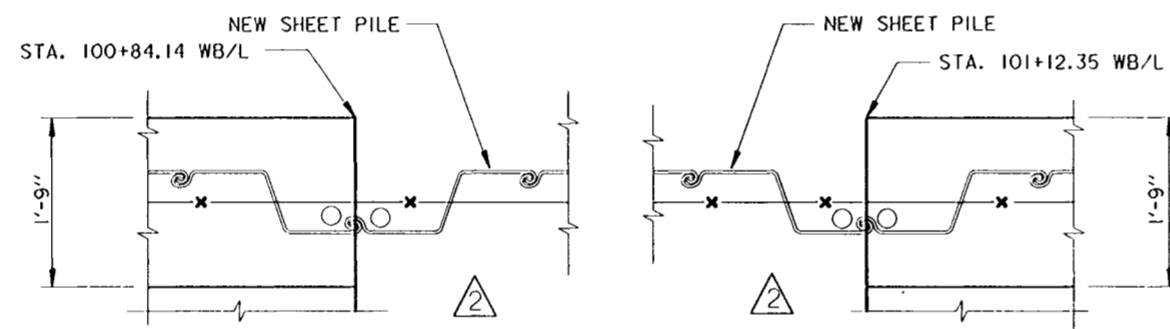
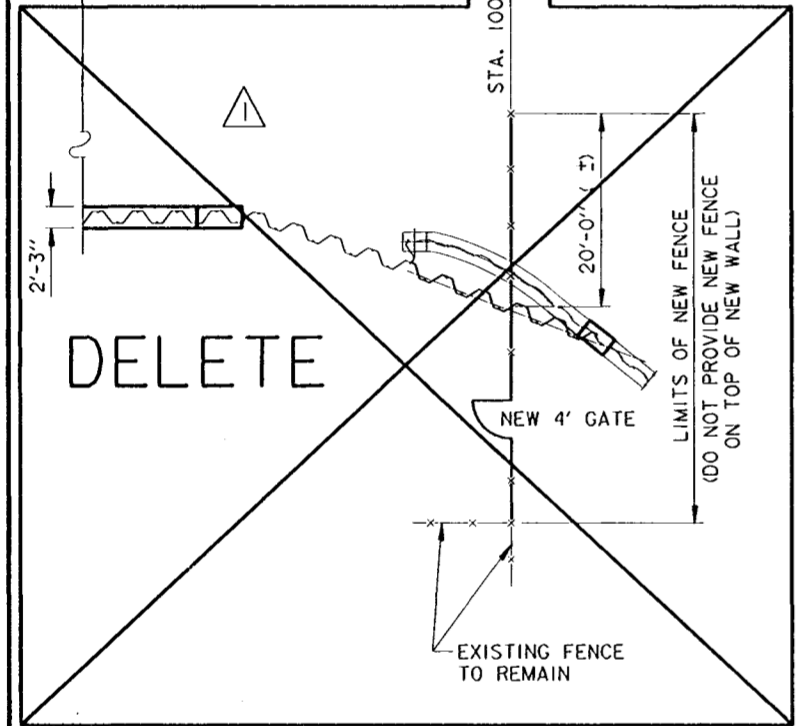
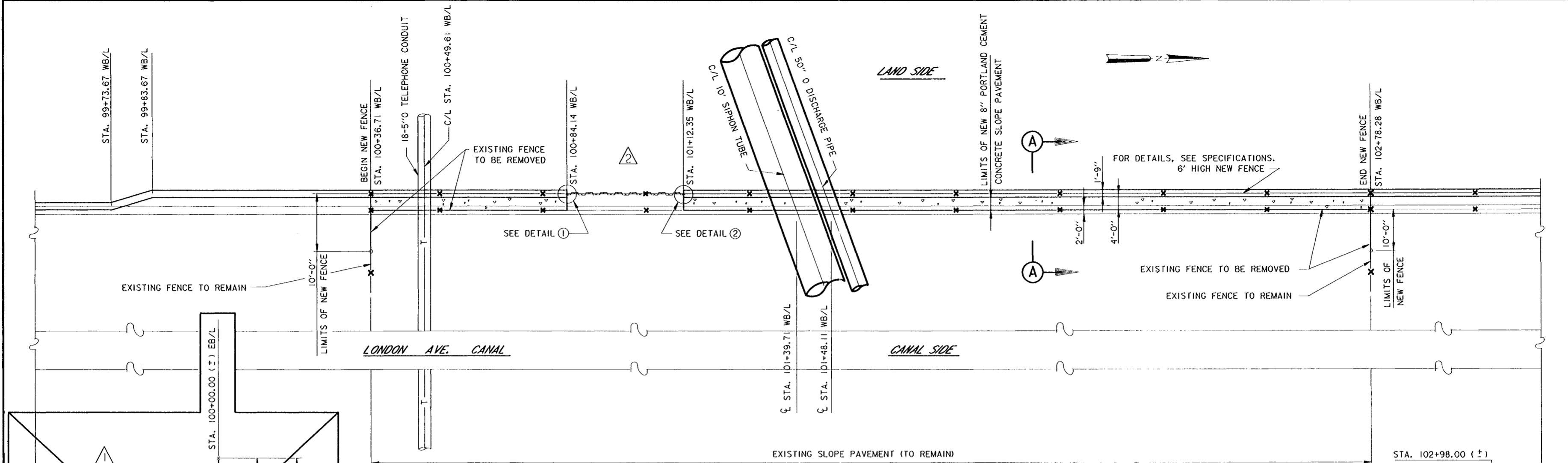


THIS PLAN ACCOMPANIES MODIFICATION A0000 TO CONTRACT NUMBER DACW29-94-C-0079



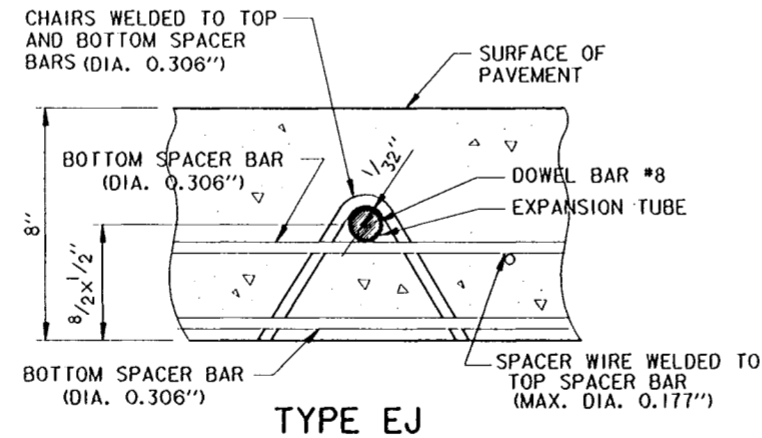
VALUE ENGINEERING YOUR KEY TO HIGHER PROFITS

DETAIL FOR UNCAPPED SHEETPILE AT STA. 100+84.14 AND STA. 101+12.35, MOD. A7	11-01-95	B.K.I.
SYMBOL	DESCRIPTION	DATE APPROVED
REVISIONS		
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA		
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA ELECTRIC FEEDER RELOCATION WEST SIDE		
DESIGNED BY: B.D.	DATE: 2/94	PLOT SCALE: 12
DRAWN BY: M.W.B.		PLOT DATE: 3/25/96
CHECKED BY: B.D.	CADD FILE: 4029550.004	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E. <small>DESIGN ENGINEER</small>	SOLICITATION NO. DACW29-94-B-0047	DWG. 50 OF 73



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

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

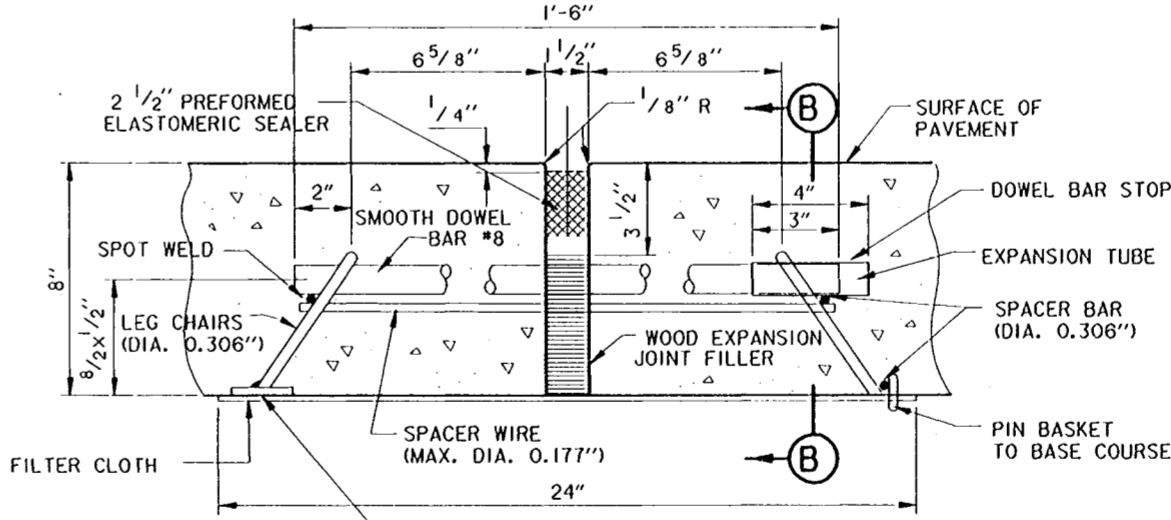


TYPE EJ

NOTE:

DOWEL BARS AND TIE BAR SHALL BE HELD IN PLACE BY SUPPORTS SIMILAR TO THE ONES SHOWN, OR APPROVED EQUALS. APPROVED MECHANICAL PLACEMENT OF DOWEL BARS AND TIE BARS WILL BE ALLOWED WITH ALL PAVING METHODS. WHEN DOWEL BAR BASKETS ARE USED, SPACER WIRES THAT SPAN ACROSS THE JOINT SHALL BE CUT AND REMOVED AFTER STAKING BASKETS IN PLACE.

SCALE: 1" = 1'-0"



TYPE EJ

(TRANSVERSE EXPANSION JOINT)

WHEN DOWEL BASKET IS USED ON SAND BASE, SUPPORT WITH 9 SQ. IN (MIN.) SAND PLATE

NOTE:

TYPE EJ JOINTS SHALL BE SEALED WITH ELASTOMERIC JOINT SEALER CONFORMING TO SUBSECTION 1005.03. THE SEALER SHALL HAVE A NOMINAL WIDTH OF 2 1/2\"/>

NOTE:

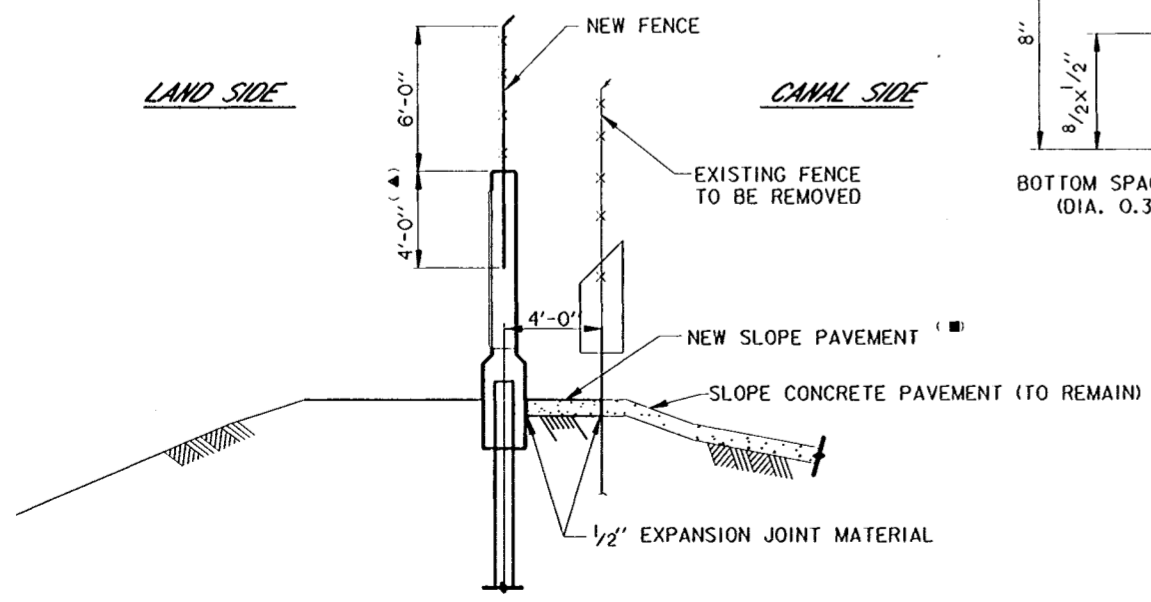
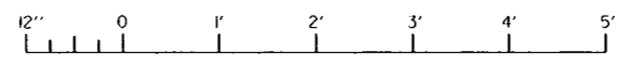
ON TYPE EJ JOINTS, ARE WELD ALTERNATE END OF DOWEL BARS TO DOWEL BASKETS AND PLACE EXPANSION TUBES ON ALTERNATE ENDS OF DOWEL BARS.

NOTE:

TRANSVERSE EXPANSION JOINTS ARE NOT TO BE USED FOR CONSTRUCTION JOINTS.

SCALE: 1" = 10'

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



SECTION A
SCALE: 1/4" = 1'-0"

- (A) NEW FENCE POST TO BE CAST-IN-PLACE WITH NEW I-WALL.
- (B) DUMMY AND/OR EXPANSION JOINTS SHALL BE PLACED PERPENDICULAR TO THE LEVEE CROWN IN THE NEW SLOPE PAVEMENT TO MATCH LOCATION AND TYPE OF JOINT IN EXISTING SLOPE PAVEMENT.

PUMP STATION NO. 4
PLAN
SCALE: 1" = 10'-0"

THIS PLAN ACCOMPANIES MODIFICATION A00007 TO CONTRACT NUMBER DACW29-94-C-0079

SYMBOL	DESCRIPTION	DATE	APPROVED
△	NEW SHEET PILE BETWEEN 100+84.14 AND 101+12.35, MOD. A7	12-01-95	B.K.I.
△	DELETED NEW WALL BETWEEN 99+59.22 AND PS #4, AND NEW FENCE, MOD. A2	08-14-95	B.K.I.

REVISIONS

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

BURK - KLEINFETER, INC.
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
NEW ORLEANS, LOUISIANA

GOTTECH, INC.
CONSULTING ENGINEERS
BATON ROUGE, LOUISIANA

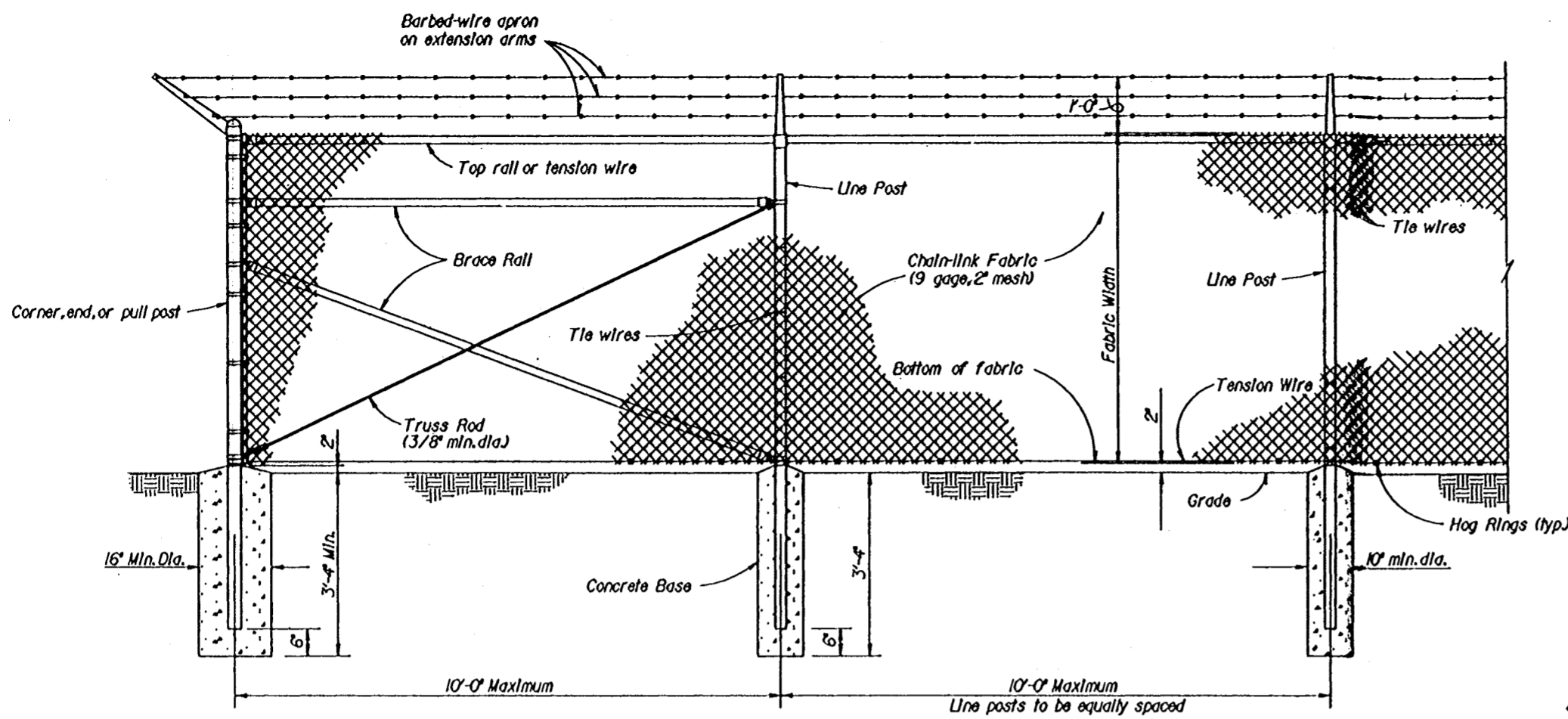
LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK
MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
ORLEANS PARISH, LOUISIANA

CONCRETE SLOPE PAVEMENT AND SECURITY CHAIN-LINK FENCE DETAILS

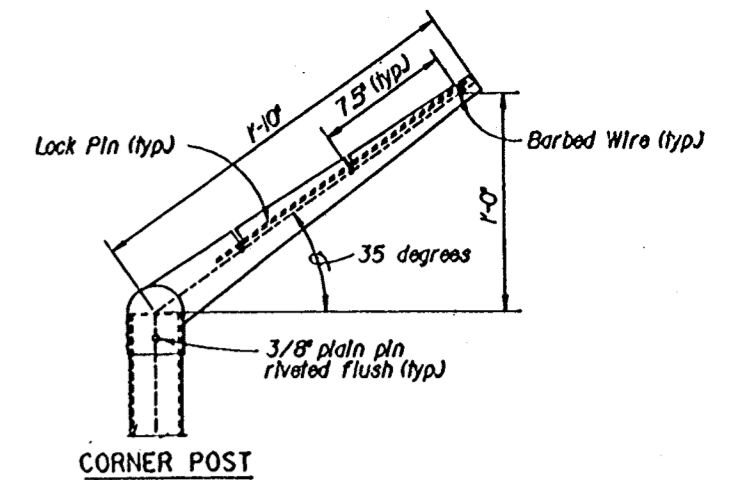
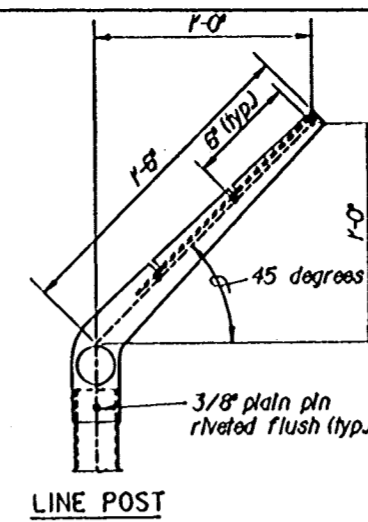
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 120	PLOT DATE: 3/25/96
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029551.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 51 OF 73	

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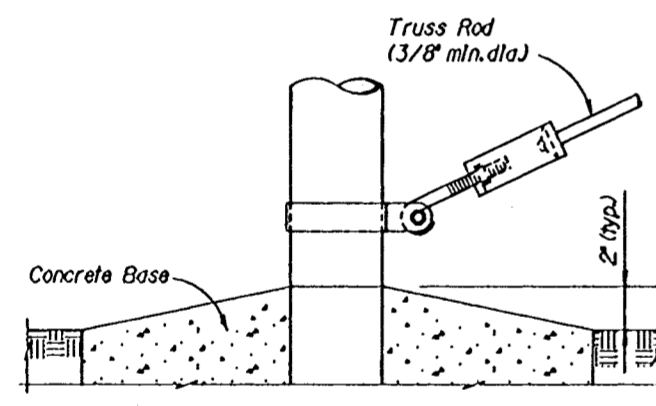
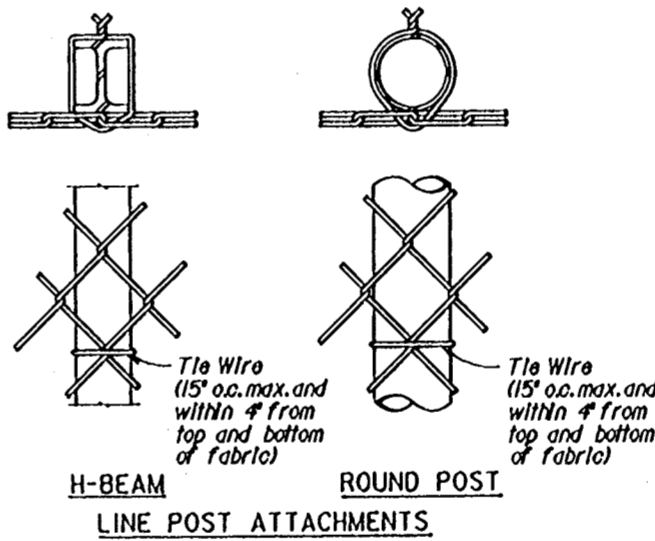
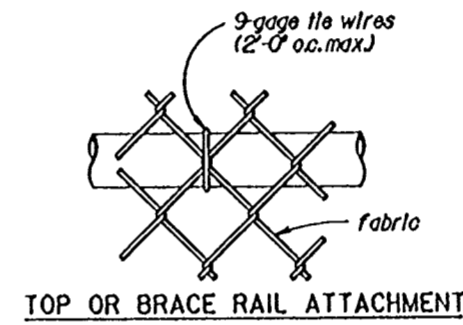


CHAIN-LINK SECURITY FENCE DETAIL
NO SCALE

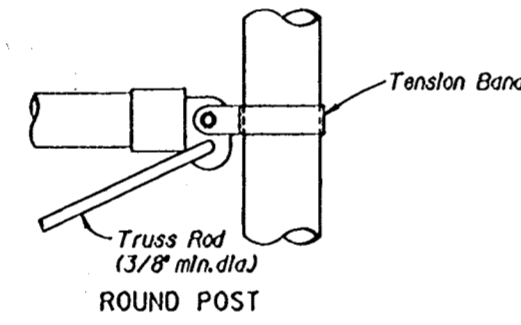


EXTENSION ARM DETAILS
NO SCALE

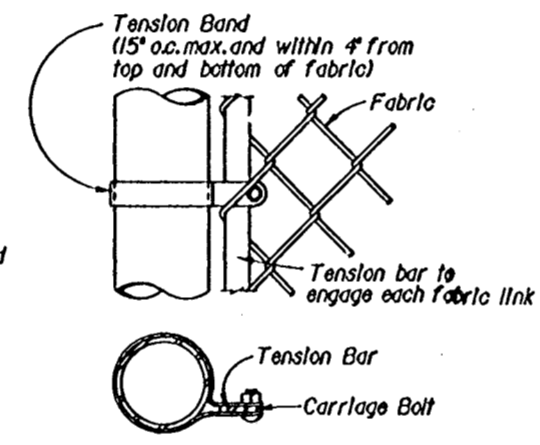
USE AND SECTION	MINIMUM OUTSIDE DIMENSIONS (NOMINAL)		
	FABRIC LESS THAN 72"	FABRIC 72" TO 96"	FABRIC OVER 96"
Corner, End & Pull Posts	N/A		N/A
Tubular - Round	2.375" O.D.	2.875" O.D.	4.00" O.D.
Tubular - Square	2.00" SQ.	2.50" SQ.	3.00" SQ.
C-Section (Roll-Formed)	3.50" x 3.50"	3.50" x 3.50"	
Line Posts			
Tubular - Round	1.90" O.D.	2.375" O.D.	2.875" O.D.
H-Section	2.25" x 1.70"	2.25" x 1.70"	2.25" x 1.70"
C-Section (Roll-Formed)	1.875" x 1.625"	2.25" x 1.70"	
Top, Bottom & Brace Rails			
Tubular - Round		1.66" O.D.	
Tubular - Square		1.50" O.D.	
H-Section		1.625" x 1.50"	
C-Section (Roll-Formed)		1.625" x 1.25"	



T-USS ROD AND BAND

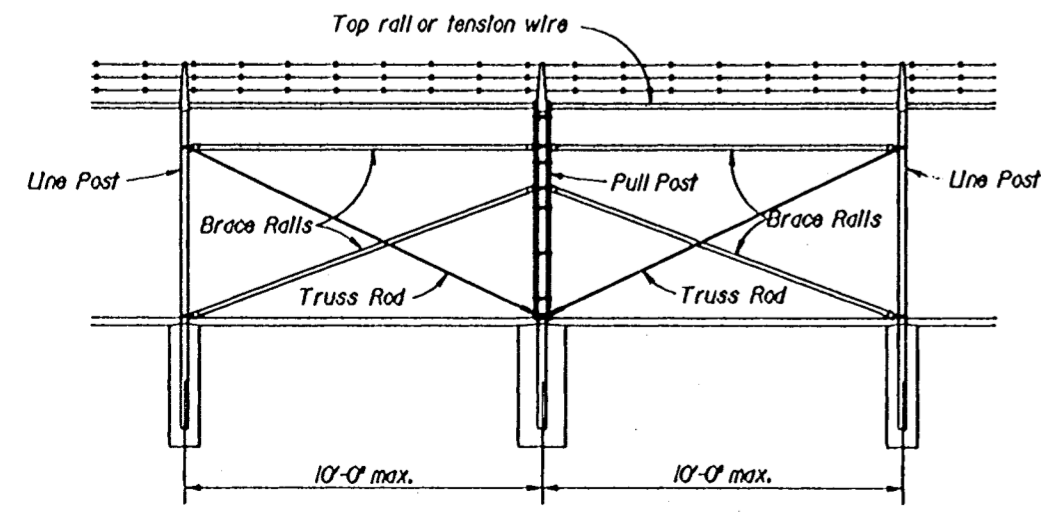


BRACE RAIL CLAMP DETAILS

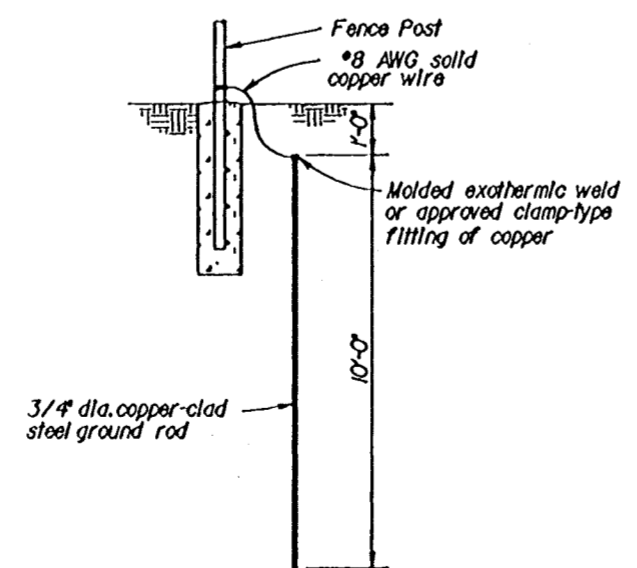


END OR GATE POST DETAIL

FASTENING DETAILS
NO SCALE



BRACE PANEL DETAIL
NO SCALE



GROUNDING DETAIL
NO SCALE

- NOTES:**
- Details shown are to clarify requirements and are not intended to limit other types of fence sections and methods of installation.
 - Wire ties, rails, posts, and braces shall be constructed on the secure side of the fence alignment. Chain-link fabric shall be placed on the opposite side of the secure area.
 - Unless specifically shown or specified, all FE6 fence shall have apron extended outward from the area being protected.
 - C-section posts shall be installed so that the void inside the post is completely filled with concrete up to the top of the foundation.

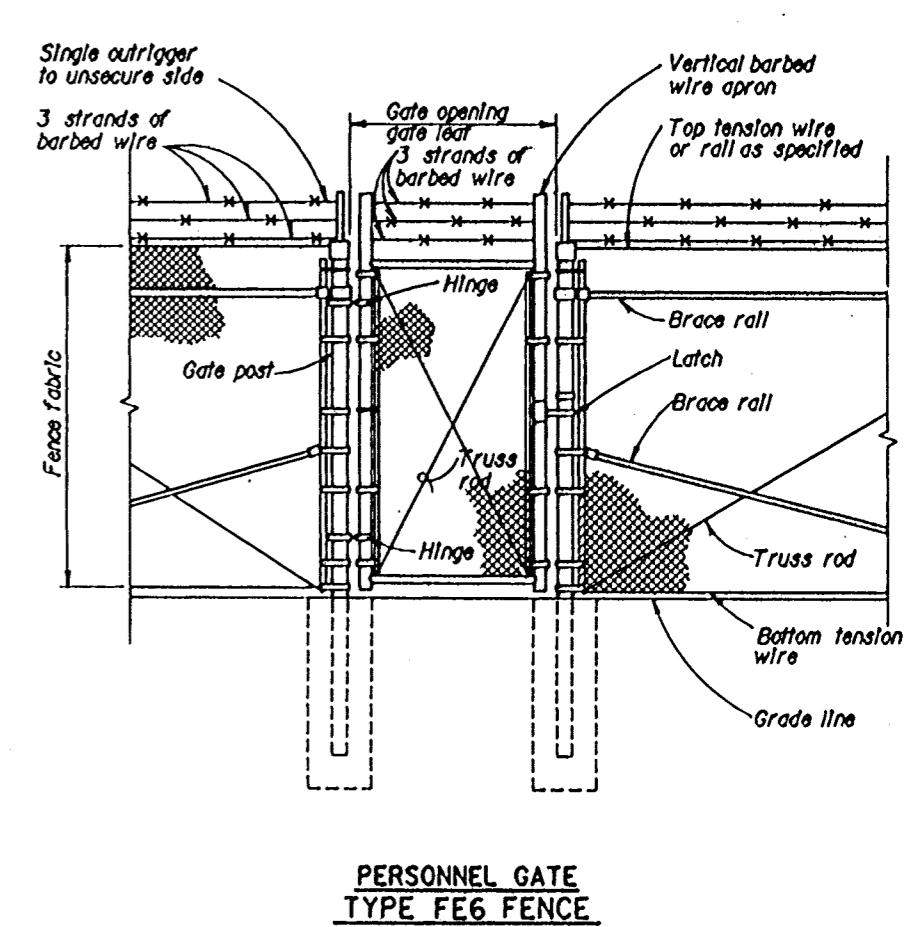
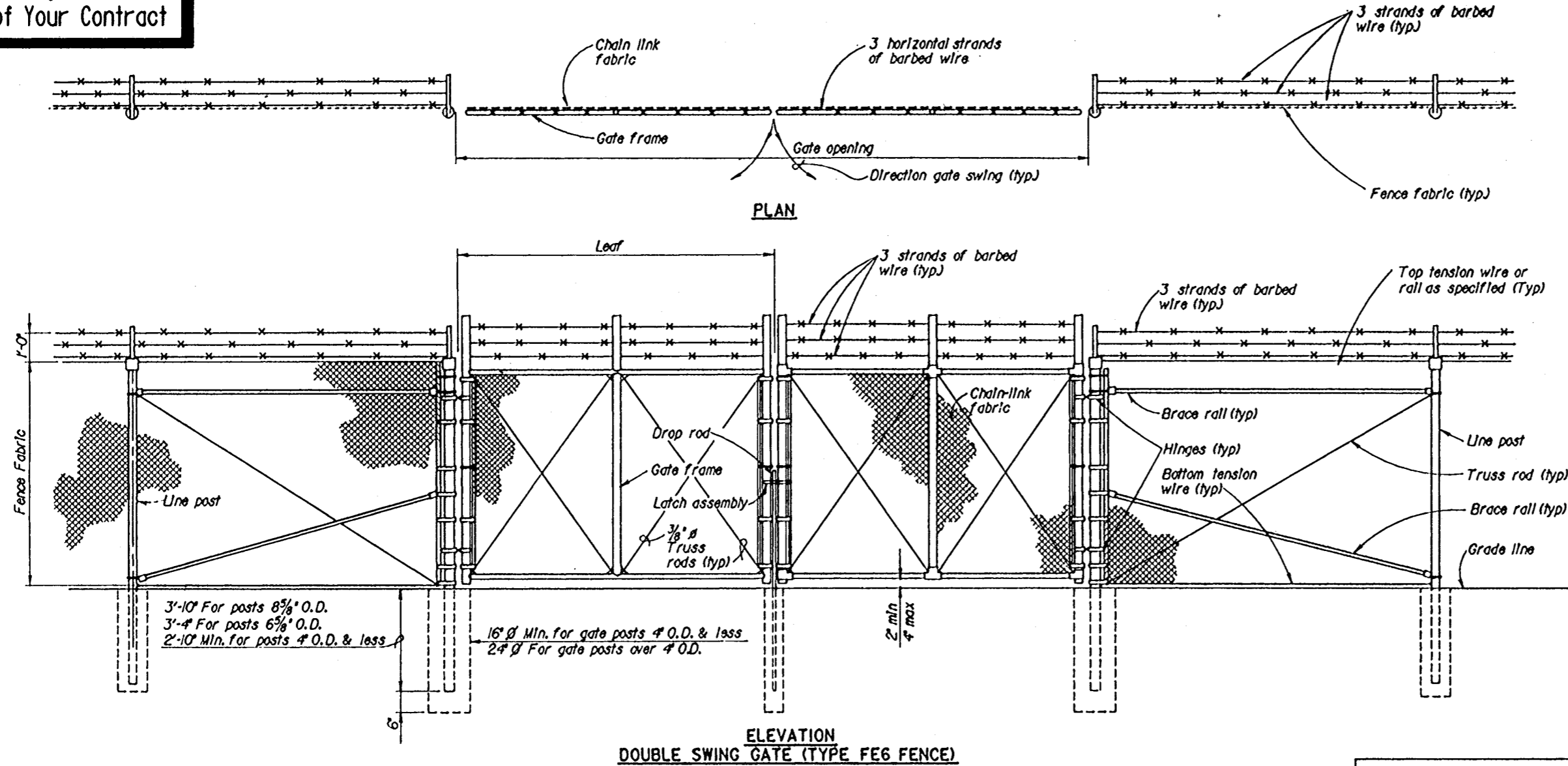
- FENCE LEGEND:**
- Type FE5 - Chain-Link Fence Without barbed-wire apron
 - Type FE6 - Chain-Link Fence w/barbed-wire on single outrigger
 - Type FE7 - Chain-Link Fence w/barbed wire on double outrigger
 - Type FE8 - Chain-Link Fence w/barbed-wire and barbed-tape on double outrigger
 - TR - Fence with top rail and tension wire at bottom
 - TBR - Fence with top and bottom rails
 - TWB - Tension wire top and bottom
 - TWBR - Fence with top tension wire and bottom rail
- Final number is fabric width in inches.

- Examples:**
- FE6-TR-72 - Chain-Link security fence with barbed-wire on single outrigger, top rail, and 72 inch fabric width.
 - FE5-TWB-48 - Chain-Link security fence with no apron, top and bottom tension wire, and 48 inch fabric width.



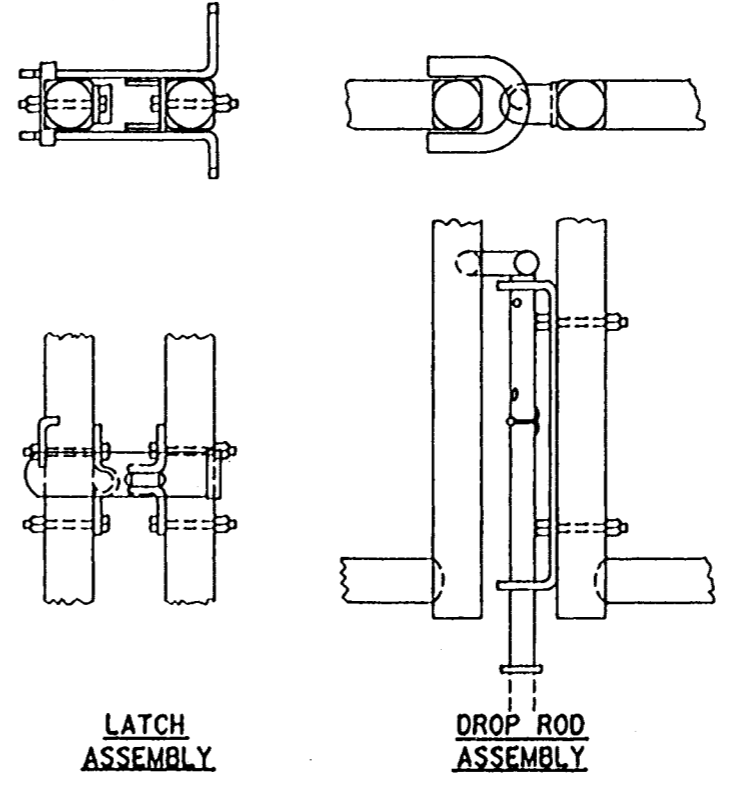
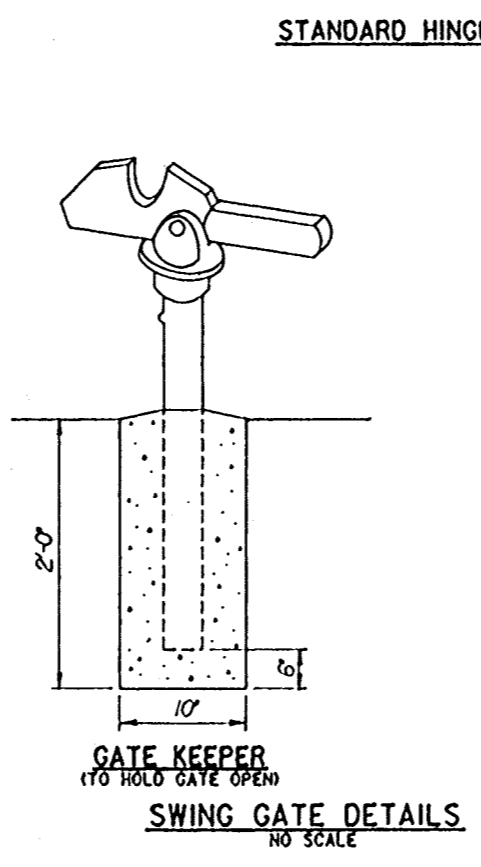
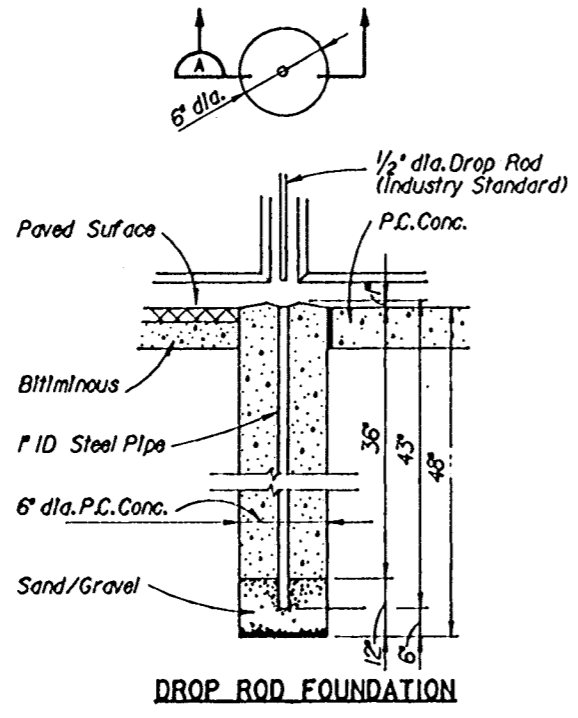
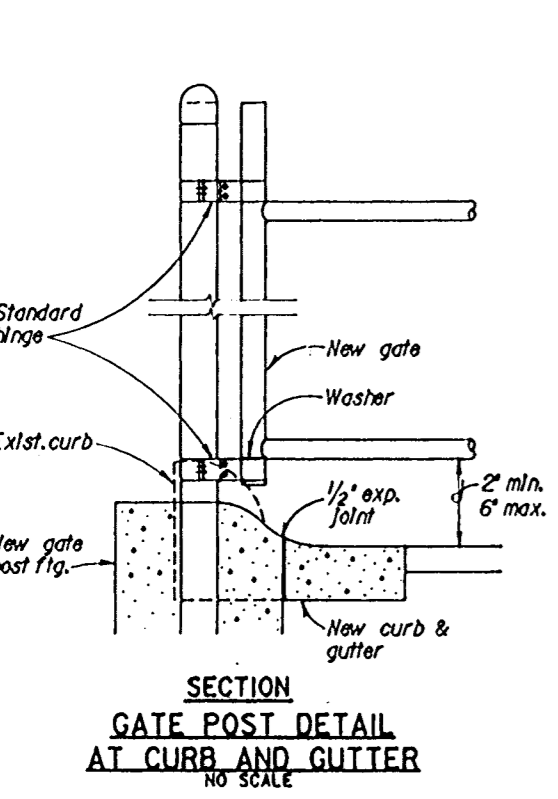
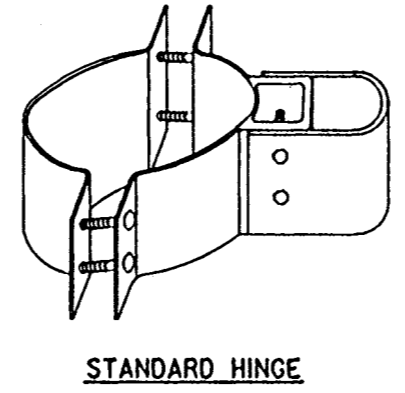
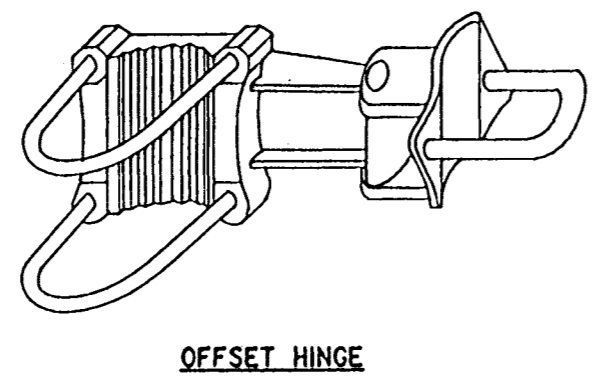
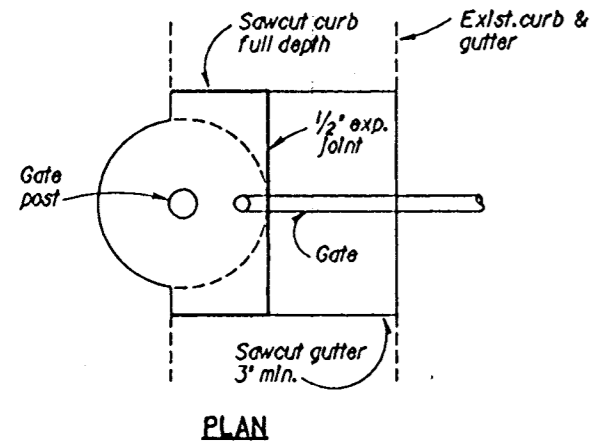
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BYLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON DR., EAST BANK ORLEANS PARISH, LOUISIANA FE6 CHAIN-LINK SECURITY FENCE DETAILS			
DESIGNED BY: R.A. CHOPIN	DATE: 2/94	PLOT SCALE:	PLOT DATE: 2/9/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029552.DWG	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL J. JACKSON, BURK-KLEINPETER, INC.		SOLICITATION NO. DACW 29-94-B-0047	DWG. 52 OF 73

Safety is a Part of Your Contract



- NOTES:**
- Details shown are to clarify requirements and are not intended to limit other type of fence sections and methods of installation.
 - Swing Gates shall be constructed with drop rods, padlocks, latch assembly and gate keepers except as noted.
 - All gate frames shall be a minimum 1.90" nominal (round) or 2.00" nominal (square). Gate frames shall be of welded construction or shall be assembled using heavy fittings. At Contractor's option a welded horizontal brace may be used in lieu of truss rods to brace all welded gate frames. The Contractor shall be responsible for the proper rigid construction of all gates supplied.
 - Gates shall be designated as follows:
 Fence Type - FE5, FE6, etc.
 Fence Height - Inches
 Type Opening - SO (single), DO (double), RA (standard), HO (offset)
 Opening - Feet (clear opening between gate posts)
 EXAMPLES: FE6-84-DO-RA-24
 FE5-48-SO-HO-6

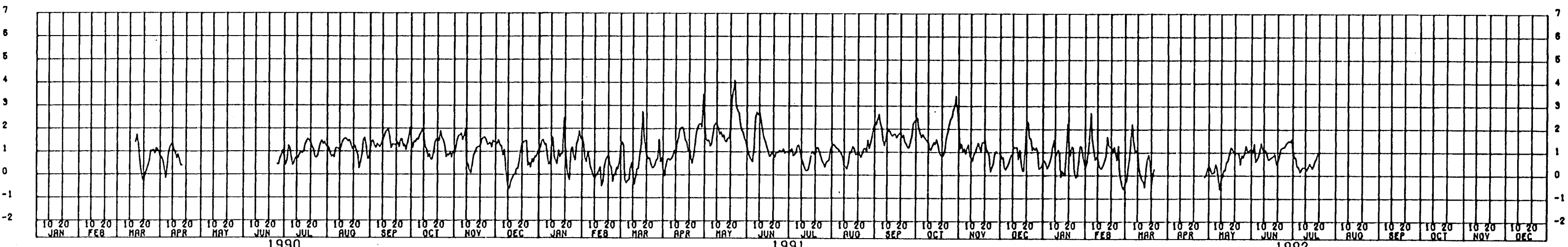
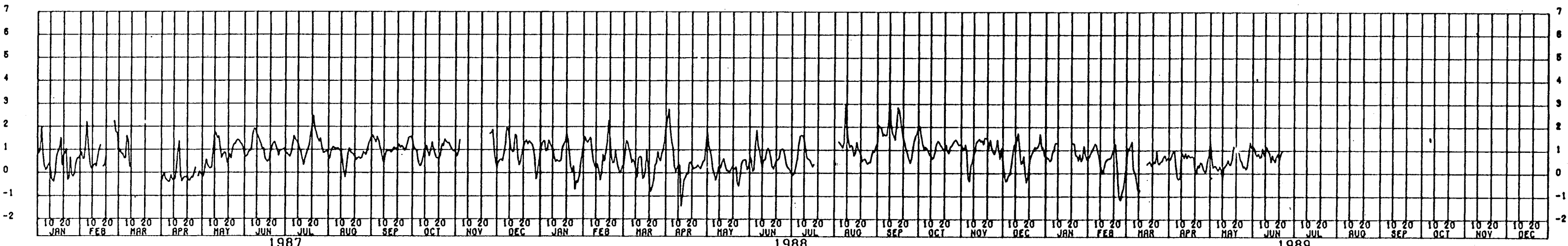
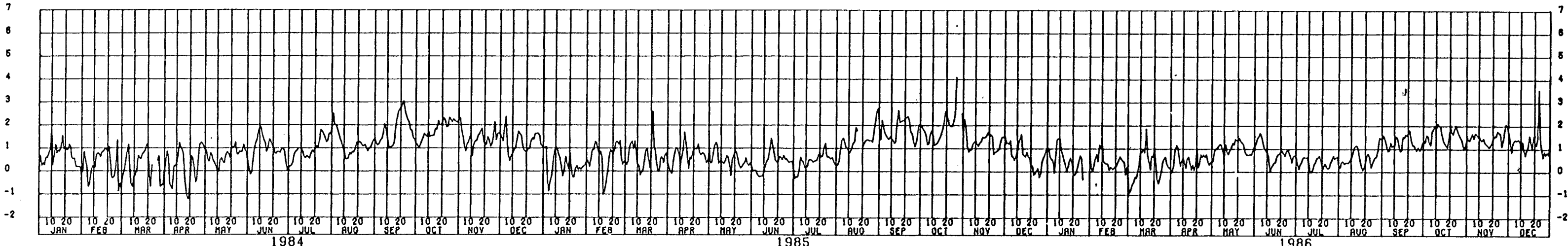
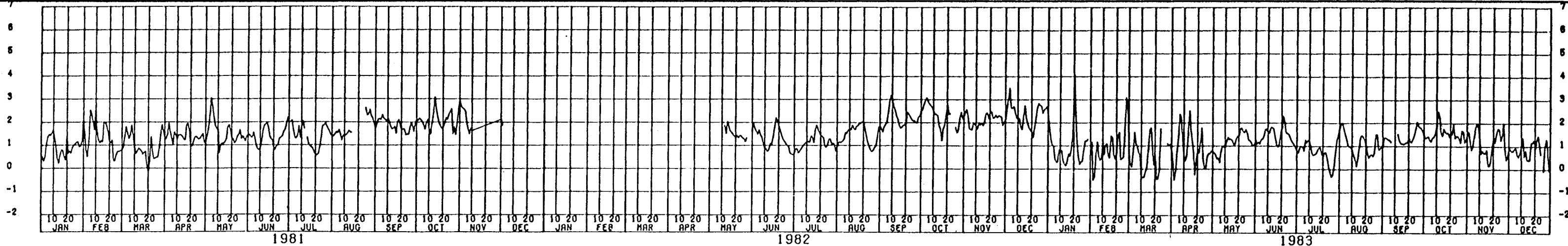
GATE POST SCHEDULE	
GATE LEAF WIDTH (NOMINAL)	OUTSIDE DIMENSION (NOMINAL)
6' or less	2.875' 00 2.5' 50
More than 6' to 13'	4.0' 00
More than 13' to 18'	6.625' 00
More than 18'	8.625' 00



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>CONSULTANTS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON DR., EAST BANK ORLEANS PARISH, LOUISIANA FE6 CHAIN-LINK SECURITY GATE DETAILS			
DESIGNED BY: R. A. CHOPIN	DATE: 2/94	PLOT SCALE:	PLOT DATE: 2/9/94
DRAWN BY: BINH LE	CHECKED BY: S. I. SHAH	CADD FILE: 4029553.DWG	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW 29-94-B-0047	DWG. 53 OF 73	

GAGE READINGS IN FT NGVD

GAGE READINGS IN FT NGVD



LOCATION:

LAT. 30-01-45, LONG. 90-01-58. BAROID PLANT WHARF ON EAST BANK, 250 FEET SOUTH OF SEABROOK BRIDGE. (STA. 7606006.)



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

BURK - KLEINPETER, INC.
CONSULTING ENGINEERS
NEW ORLEANS, LOUISIANA

GOTECH, INC.
CONSULTING ENGINEERS
BATON ROUGE, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION
MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK
MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK
ORLEANS PARISH, LOUISIANA

STAGE HYDROGRAPHS

DESIGNED BY: R.A. CHOPIN	DATE: 2/94	PLOT SCALE:	PLOT DATE: 2/9/94
DRAWN BY: BINH LE	CADD FILE: 402955.DGN		FILE NO. H-4-40295
CHECKED BY: S.I. SHAH	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW 29-94-B-0047	DWG. 55 OF 73

SYMBOL	DESCRIPTION	DATE	APPROVED
	REVISIONS		

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UNIFIED SOIL CLASSIFICATION

MAJOR DIVISION	TYPE	LETTER SYMBOL	SYM BOL	TYPICAL NAMES		
COARSE - GRAINED SOILS More than half of material is larger than No. 200 sieve size.	GRAVELS More than half of coarse fraction is larger than No. 4 sieve size.	CLEAN GRAVEL (Little or No Fines)	GW	GRAVEL, Well Graded, gravel-sand mixtures, little or no fines		
		GRAVEL, Poorly Graded, gravel-sand mixtures, little or no fines	GP	GRAVEL, Poorly Graded, gravel-sand mixtures, little or no fines		
		GRAVEL WITH FINES (Appreciable Amount of Fines)	GM	SILTY GRAVEL, gravel-sand-silt mixtures		
		CLAYEY GRAVEL, gravel-sand-clay mixtures	GC	CLAYEY GRAVEL, gravel-sand-clay mixtures		
		CLEAN SAND (Little or No Fines)	SW	SAND, Well-Graded, gravelly sands		
	SANDS More than half of coarse fraction is larger than No. 4 sieve size.	SAND, Poorly-Graded, gravelly sands	SP	SAND, Poorly-Graded, gravelly sands		
		SANDS WITH FINES (Appreciable Amount of Fines)	SM	SILTY SAND, sand-silt mixtures		
		CLAYEY SAND, sand-clay mixtures	SC	CLAYEY SAND, sand-clay mixtures		
		FINE - GRAINED SOILS More than half of material is smaller than No. 200 sieve size.	SILTS AND CLAYS (Liquid Limit < 50)	SILT & very fine sand, silty or clayey fine sand or clayey silt with slight plasticity	ML	SILT & very fine sand, silty or clayey fine sand or clayey silt with slight plasticity
				LEAN CLAY, Sandy Clay, Silty Clay, of low to medium plasticity	CL	LEAN CLAY, Sandy Clay, Silty Clay, of low to medium plasticity
ORGANIC SILTS, and organic silty clays of low plasticity	OL			ORGANIC SILTS, and organic silty clays of low plasticity		
SILTS AND CLAYS (Liquid Limit > 50)	SILT, fine sandy or silty soil with high plasticity		MH	SILT, fine sandy or silty soil with high plasticity		
	FAT CLAY, inorganic clay of high plasticity		CH	FAT CLAY, inorganic clay of high plasticity		
ORGANIC CLAYS of medium to high plasticity, organic silts	OH	ORGANIC CLAYS of medium to high plasticity, organic silts				
HIGHLY ORGANIC SOILS		Pt	PEAT, and other highly organic soil			
WOOD		Wd	WOOD			
SHELLS		SI	SHELLS			
NO SAMPLE		NS	No Sample Retrieved			

NOTE: Soils possessing characteristics of two groups are designated by combinations of group symbols.

NOTES:

FIGURES TO LEFT OF BORING UNDER COLUMN "W OR D₁₀"

- Are natural water contents in percent dry weight
- When underlined denote D_{10} size in mm *

FIGURES TO LEFT OF BORING UNDER COLUMNS "LL" AND "PL"

- Are liquid and plastic limits, respectively

SYMBOLS TO LEFT OF BORING

- V Ground-water surface and date observed
- ⊙ Denotes location of consolidation test**
- ⊕ Denotes location of consolidated-drained direct shear test**
- ⊗ Denotes location of consolidated-undrained triaxial compression test**
- ⊖ Denotes location of unconsolidated-undrained triaxial compression test**
- ⊙ Denotes location of sample subjected consolidation test and each of the above three types of shear test**
- FW Denotes free water encountered in boring or sample

FIGURES TO RIGHT OF BORING

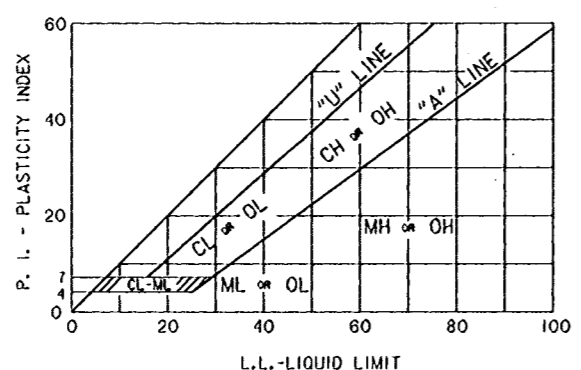
- Are values of cohesion in lbs./sq.ft. from unconfined compression tests
- In parenthesis are driving resistances in lbs./sq.ft. per foot determined with a standard split spoon sampler (1" I.D., 2" O.D.) and a 140 lb. driving hammer with a 30" drop
- Where underlined with a solid line denotes laboratory permeability in centimeters per second of undisturbed sample
- Where underlined with a dashed line denotes laboratory permeability in centimeters per second of sample moulded to the estimated natural void ratio

*The D_{10} size of a soil is the grain diameter in millimeters of which 10% of the soil is finer, and 90% coarser than D_{10}

**Results of these tests are available for inspection in the U.S. Army Engineer District Office, if these symbols appear beside the boring logs on the drawings.

DESCRIPTIVE SYMBOLS

COLOR		CONSISTENCY FOR COHESIVE SOILS			MODIFICATIONS	
COLOR	SYMBOL	CONSISTENCY	COHESION IN LBS./SQ.FT. FROM UNCONFINED COMPRESSION TEST	SYMBOL	MODIFICATION	SYMBOL
TAN	T	VERY SOFT	< 250	vSo	Traces	Tr
YELLOW	Y	SOFT	250-500	So	Fine	F
RED	R	MEDIUM	500-1000	M	Medium	M
BLACK	BK	STIFF	1000-2000	St	Coarse	C
GRAY	Gr	VERY STIFF	2000-4000	vSt	Concretions	cc
LIGHT GRAY	lGr	HARD	> 4000	H	Rootlets	rt
DARK GRAY	dGr				Lignite fragments	lg
BROWN	Br				Shale fragments	sh
LIGHT BROWN	lBr				Sandstone fragments	ads
DARK BROWN	dBr				Shell fragments	slf
BROWNISH-GRAY	brGr				Organic matter	O
GRAYISH-BROWN	gyBr				Clay strata or lenses	CS
GREENISH-BROWN	gnBr				Silt strata or lenses	SIS
GRAYISH-GREEN	gyGn				Sand strata or lenses	SS
GREEN	Gn				Sandy	S
BLUE	Bl				Gravelly	G
BLUE-GREEN	BlGn				Boulders	B
WHITE	Wh				Slickensides	SL
MOTTLED	Mot				Wood	Wd
					Oxidized	Ox



PLASTICITY CHART
For classification of fine-grained soils in accordance with ASTM D 2487

TYPICAL NOTES:

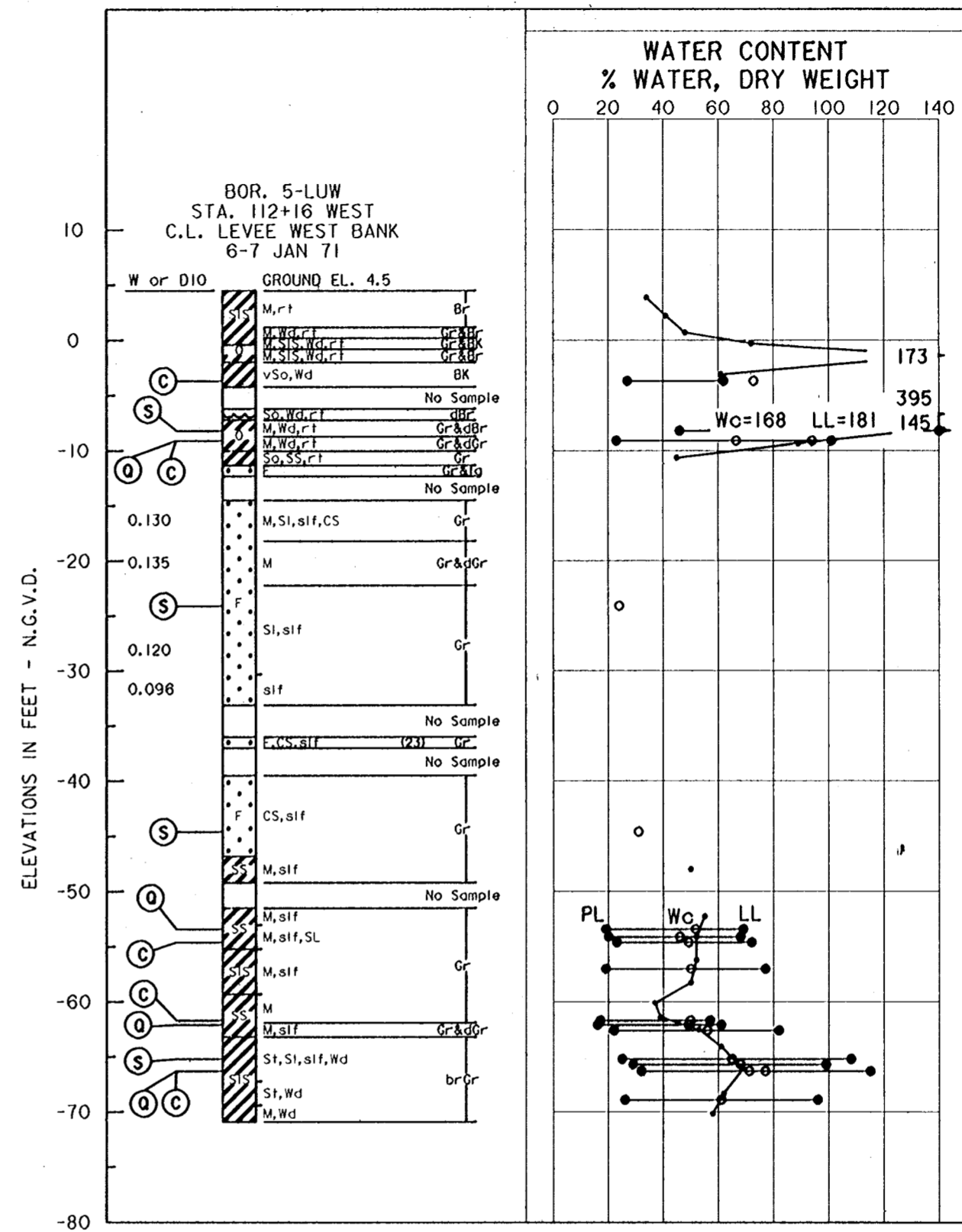
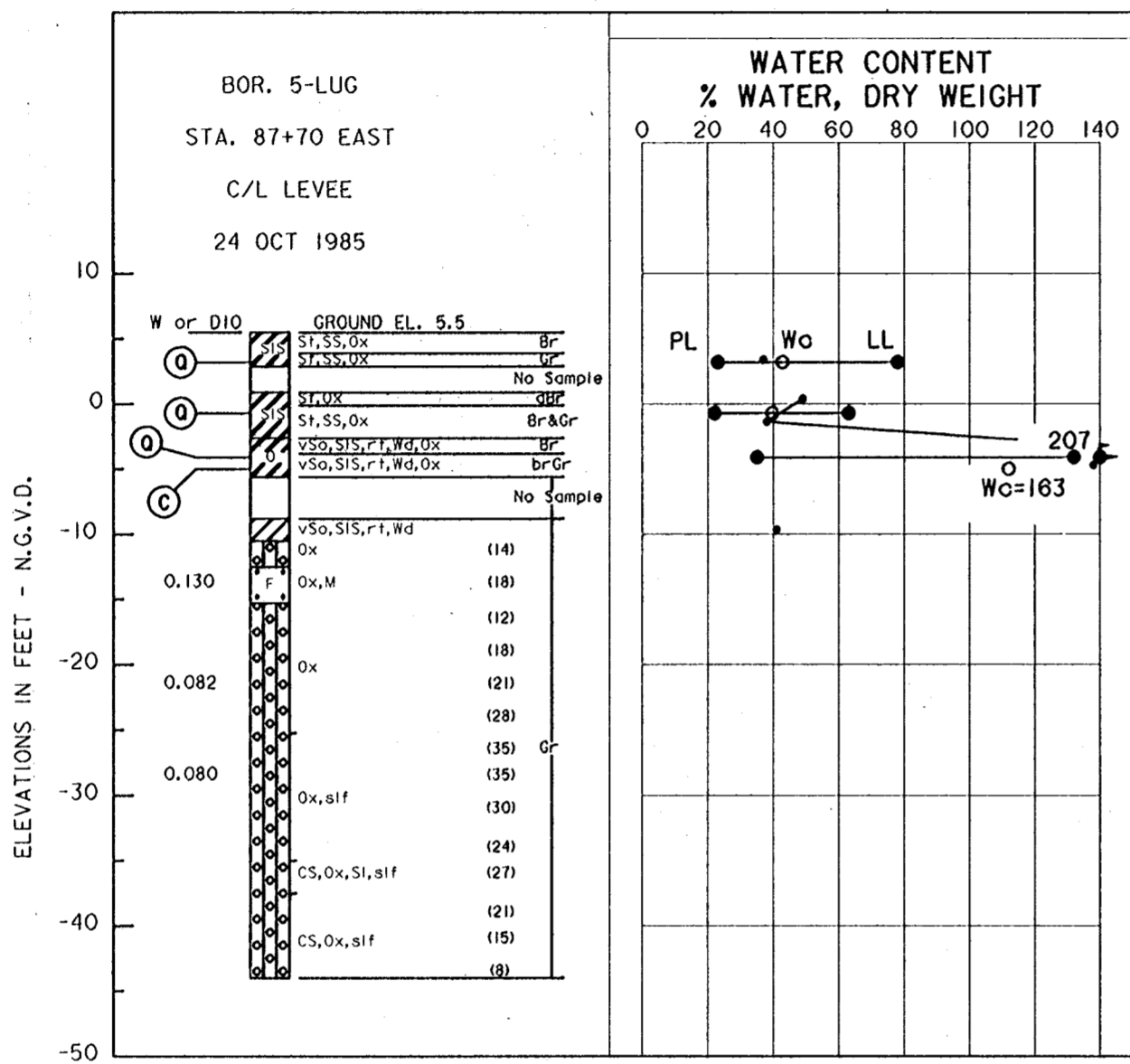
- While the borings are representative of subsurface conditions at their respective locations and for their respective vertical reaches, local variations characteristic of the subsurface materials of the region are anticipated and, if encountered, such variations will not be considered as differing materially within the purview of the contract clause entitled "Differing Site Conditions".
- Ground-water elevations shown on the boring logs represent ground-water surfaces encountered in such borings on the dates shown. Absence of water surface data on certain borings indicates that no ground-water data are available from the boring but does not necessarily mean that ground-water will not be encountered at the locations or within the vertical reaches of such borings.
- Consistency of cohesive soils shown on the boring logs is based on driller's log and visual examination and is approximate, except within those vertical reaches of the borings where shear strengths from unconfined compression tests are shown.
- Unless otherwise noted:
 - Undisturbed borings, indicated by the letter "U", are taken with a 5" I.D. Piston Type Sampler.
 - General type borings are taken with a 1 1/8" I.D. Tube Sampler and/or a 1 1/8" I.D. Split Spoon Sampler.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
SOIL BORING LEGEND			
DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 120	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I.SHAH	CADD FILE: 402958.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.		SOLICITATION NO. DACW29-94-B-0047	
BURK-KLEINPETER, INC.		DWG. 56 OF 73	

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Safety is a Part of Your Contract



- NOTES:
 1. FOR BORING LOCATIONS SEE DWGS 4-7
 2. FOR BORING LEGEND SEE DWG 53



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
SOIL BORINGS			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 12	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CADD FILE: 4029557.DGN		FILE NO. H-4-40295
CHECKED BY: S.I. SHAH	SOLICITATION NO. DACW29-94-B-0047		DWG. 57 OF 73
SUBMITTED BY: MICHAEL G. JACKSON, P.E. BURK-KLEINPETER, INC.			

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.
Boring No. 15 Soil Technician: A. Crook, Jr. Date: 17 October 1985
Ground Elev. 4.8 Datum: Ngrd Gr. Water Depth: See Text

Table with columns: Sample No., From, To, Depth, From, To, Vertical Classification, Standard Penetration Test. Rows 1-19 detailing soil layers from 1.7' to 69.0' depth.

Number of blow counts... Remarks: [Legend for soil types: CLAY, SILT, SAND, GRAVEL]

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.
Boring No. 16 Soil Technician: George Hardee Date: 25 October 1985
Ground Elev. 4.5 Datum: Ngrd Gr. Water Depth: See Text

Table with columns: Sample No., From, To, Depth, From, To, Vertical Classification, Standard Penetration Test. Rows 1-14 detailing soil layers from 2.0' to 50.0' depth.

Number of blow counts... Remarks: [Legend for soil types: CLAY, SILT, SAND, GRAVEL]

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.
Boring No. 17 Soil Technician: George Hardee Date: 25 October 1985
Ground Elev. 5.4 Datum: Ngrd Gr. Water Depth: See Text

Table with columns: Sample No., From, To, Depth, From, To, Vertical Classification, Standard Penetration Test. Rows 1-14 detailing soil layers from 2.0' to 50.0' depth.

Number of blow counts... Remarks: [Legend for soil types: CLAY, SILT, SAND, GRAVEL]

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.
Boring No. 18 Soil Technician: George Hardee Date: 25 October 1985
Ground Elev. 4.7 Datum: Ngrd Gr. Water Depth: See Text

Table with columns: Sample No., From, To, Depth, From, To, Vertical Classification, Standard Penetration Test. Rows 1-14 detailing soil layers from 1.5' to 50.0' depth.

Number of blow counts... Remarks: [Legend for soil types: CLAY, SILT, SAND, GRAVEL]

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.
Boring No. 19 Soil Technician: A. J. Mayeux Date: 18 October 1985
Ground Elev. 6.0 Datum: Ngrd Gr. Water Depth: See Text

Table with columns: Sample No., From, To, Depth, From, To, Vertical Classification, Standard Penetration Test. Rows 1-24 detailing soil layers from 2.0' to 100.0' depth.

Number of blow counts... Remarks: [Legend for soil types: CLAY, SILT, SAND, GRAVEL]

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.
Boring No. 20 Soil Technician: A. J. Mayeux Date: 18 October 1985
Ground Elev. 5.5 Datum: Ngrd Gr. Water Depth: See Text

Table with columns: Sample No., From, To, Depth, From, To, Vertical Classification, Standard Penetration Test. Rows 1-14 detailing soil layers from 2.0' to 50.0' depth.

Number of blow counts... Remarks: [Legend for soil types: CLAY, SILT, SAND, GRAVEL]

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.
Boring No. 21 Soil Technician: George Hardee Date: 19 October 1985
Ground Elev. 6.0 Datum: Ngrd Gr. Water Depth: See Text

Table with columns: Sample No., From, To, Depth, From, To, Vertical Classification, Standard Penetration Test. Rows 1-14 detailing soil layers from 2.0' to 50.0' depth.

Number of blow counts... Remarks: [Legend for soil types: CLAY, SILT, SAND, GRAVEL]

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NOTES:
1. FOR BORING LOCATIONS, SEE DWGS. 4-7.
2. FOR SOIL BORING LEGEND, SEE DWG. 5G.

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
CORPS OF ENGINEERS
NEW ORLEANS, LOUISIANA
BURK - KLEINPETER, INC. GOTECH, INC.
DESIGNED BY: R.A. CHOPIN DATE: 2/94 PLOT SCALE: 1/4" = 1'-0" PLOT DATE: 2/9/94
DRAWN BY: BINH LE CHECKED BY: S.J. SHAW CADD FILE: 402955.00H FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, PE SOLICITATION NO. DACW 29-94-B-0047 DWG. 58 OF 73

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, Louisiana
Buck & Associates, Inc., New Orleans, Louisiana

Boring No. 22 Soil Technician: George Hardee Date: 19 October 1985
Ground Elev. 5.2 Datum: NGVD Gr. Water Depth: See Text

Sample No.	Depth (Feet)	Penetration (Blows)	Visual Classification	Standard Penetration Test	
1	1.5	2.5	0.0	4.0	Stiff brown & gray clay w/clay silt & clayey sand pockets & roots
2	5.0	5.5	4.0	6.0	Medium dense tan & gray silty sand w/clay layers & roots
3	7.5	8.5	6.0	9.0	Stiff gray clay w/organic matter, roots & wood
4	10.5	11.5	9.0	12.0	Wood w/organic matter, roots & dark gray clay
5	13.5	14.5	12.0	16.0	Soft gray clay w/organic matter & roots
6	18.5	19.5	16.0		Very loose gray silty sand w/clay lenses & roots
7	20.0	21.5	23.0		Very loose gray silty sand
8	22.5	24.0	23.0		Medium dense gray fine sand
9	25.0	26.5			Iditto
10	28.5	30.0	33.0		Iditto
11	33.5	35.0			Dense gray fine sand
12	38.5	40.0	41.5		Iditto
13	43.5	45.0	41.5		Medium dense gray fine sand w/clay layers
14	48.5	50.0	50.0		Medium dense gray fine sand w/silt

Number in first column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. Number in second column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. after seating 1 ft. of soil above sampler.

Remarks:

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, Louisiana
Buck & Associates, Inc., New Orleans, Louisiana

Boring No. 23 Soil Technician: George Hardee Date: 19 October 1985
Ground Elev. 5.0 Datum: NGVD Gr. Water Depth: See Text

Sample No.	Depth (Feet)	Penetration (Blows)	Visual Classification	Standard Penetration Test	
1	1.5	2.5	0.0	3.0	Stiff brown & gray clay w/clay silt & clayey sand pockets & roots
2	5.0	5.5	3.0	6.0	Very soft dark brown & gray clay w/silty sand pockets & roots
3	7.5	8.5	6.0	8.5	Soft dark gray clay w/sand pockets, roots & wood
4	10.5	11.5	8.5	12.0	Soft dark brown & gray clay w/roots & wood
5	13.5	14.5	12.0	16.0	Soft gray silty clay w/sand pockets & roots
6	16.0	17.5	16.0		Loose gray fine sand
7	18.5	20.0			Very loose gray fine sand w/clayey sand layers
8	21.0	22.5	24.0		Iditto
9	23.5	25.0	24.0		Medium dense gray fine sand
10	28.5	30.0			Iditto
11	33.5	35.0			Iditto
12	38.5	40.0	44.0		Iditto
13	43.5	45.0	44.0		Dense gray fine sand
14	48.5	50.0	48.0		Loose gray fine sand

Number in first column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. Number in second column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. after seating 1 ft. of soil above sampler.

Remarks:

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, Louisiana
Buck & Associates, Inc., New Orleans, Louisiana

Boring No. 24 Soil Technician: George Hardee Date: 18 October 1985
Ground Elev. 5.2 Datum: NGVD Gr. Water Depth: See Text

Sample No.	Depth (Feet)	Penetration (Blows)	Visual Classification	Standard Penetration Test	
1	2.0	2.5	0.0		Stiff gray & tan silty clay w/organic matter & sand pockets & layers
2	5.0	6.0	6.0		Soft gray & tan silty clay w/sandy silt layers, pockets, organic matter & roots
3	8.5	9.0	6.0	9.0	Soft gray clay w/organic matter, roots & wood
4	10.5	11.5	9.0	12.5	Medium stiff brown organic clay w/roots & wood
5	13.5	14.5	12.5	16.5	Soft gray silty clay w/roots & organic matter
6	18.5	19.5	16.5		Very loose gray fine sand w/clay pockets
7	20.0	21.5	23.0		Iditto
8	22.5	24.0	22.0	24.5	Loose gray fine sand
9	25.0	26.5	24.5		Medium dense gray fine sand
10	28.5	30.0			Iditto
11	33.5	35.0			Iditto
12	38.5	40.0			Iditto
13	43.5	45.0	48.0		Iditto
14	48.5	50.0	48.0	50.0	Loose gray clayey sand w/sandy clay & clay layers

Number in first column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. Number in second column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. after seating 1 ft. of soil above sampler.

Remarks:

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, Louisiana
Buck & Associates, Inc., New Orleans, Louisiana

Boring No. 25 Soil Technician: George Hardee Date: 18 October 1985
Ground Elev. 4.7 Datum: NGVD Gr. Water Depth: See Text

Sample No.	Depth (Feet)	Penetration (Blows)	Visual Classification	Standard Penetration Test	
1	1.5	2.5	0.0	3.0	Loose tan & gray clayey silt w/shells, gravel & clay pockets
2	5.0	5.5	3.0	6.0	Stiff brown & gray silty clay w/humus, roots & trace of sand
3	7.5	8.5	6.0		Soft dark brown & gray organic clay w/roots, humus pockets & shells
4	11.0	11.5	12.0		Soft dark gray organic clay w/roots, silt pockets, wood & humus pockets (fill)
5	13.5	14.5	12.0	16.0	Soft gray clay w/roots, organic matter & humus pockets
6	19.0	19.5	16.0		Loose gray fine sand w/clay layers
7	23.5	24.5			Loose gray fine sand w/clay pockets
8	25.0	26.5	27.5		Iditto
9	27.5	29.0	27.5		Medium dense gray fine sand
10	30.5	32.0			Iditto
11	33.5	35.0	38.0		Iditto
12	38.5	40.0	42.0		Dense gray fine sand
13	43.5	45.0	42.0	47.0	Medium dense gray fine sand
14	48.5	50.0	47.0	50.0	Loose gray fine sand w/clay layers

Number in first column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. Number in second column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. after seating 1 ft. of soil above sampler.

Remarks:

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, Louisiana
Buck & Associates, Inc., New Orleans, Louisiana

Boring No. 26 Soil Technician: George Hardee Date: 21 October 1985
Ground Elev. 4.8 Datum: NGVD Gr. Water Depth: See Text

Sample No.	Depth (Feet)	Penetration (Blows)	Visual Classification	Standard Penetration Test	
1	2.0	2.5	0.0	0.5	Compact miscellaneous fill (shells, gravel & clay pockets)
2	5.0	5.5	6.0		Medium stiff tan & gray silty clay w/organic matter & trace of sand
3	7.5	8.5	6.0	9.0	Medium stiff tan & gray silty clay w/clayey silt layers, lenses, gravel & roots (fill)
4	10.5	11.5	9.0	11.5	Medium stiff dark gray clay w/clayey silt layers
5	14.0	14.5	11.5	15.0	Soft dark gray clay w/roots, wood, organic clay pockets & humus layers
6	18.5	19.5	15.0		Loose dark brown humus w/roots & wood
7	24.5	25.0	25.0		Very loose gray fine sand w/roots, clayey silt & clay layers
8	25.0	26.5	25.0	27.0	Very loose gray fine sand w/trace of clay
9	27.5	29.0	27.0		Loose gray fine sand
10	30.0	31.5			Iditto
11	33.5	35.0			Iditto
12	38.5	40.0	43.5		Iditto
13	43.5	45.0	43.5		Loose gray fine sand
14	48.5	49.5	50.0		Loose gray fine sand w/clay pockets

Number in first column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. Number in second column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. after seating 1 ft. of soil above sampler.

Remarks:

LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA.

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, Louisiana
Buck & Associates, Inc., New Orleans, Louisiana

Boring No. 27 Soil Technician: George Hardee Date: 21 October 1985
Ground Elev. 4.3 Datum: NGVD Gr. Water Depth: See Text

Sample No.	Depth (Feet)	Penetration (Blows)	Visual Classification	Standard Penetration Test	
1	2.0	2.5	0.0	2.5	Medium stiff tan & gray clay w/sand pockets
2	5.0	5.5	2.5	6.0	Medium dense tan & gray silty sand w/clayey sand layers & pockets
3	8.0	8.5	6.0	9.5	Stiff gray & brown clay w/sand pockets
4	11.0	11.5	9.5		Loose gray silty sand w/clay pockets, organic matter & roots
5	13.5	14.5	15.0		Loose gray silty sand w/roots, clay pockets & layers
6	16.0	17.0	15.0	17.0	Medium stiff gray clay
7	19.5	20.5	18.5		Soft dark gray organic clay w/roots & humus layers
8	23.5	24.5	25.0		Very soft dark gray organic clay w/humus layers
9	30.0	31.0	25.0	33.0	Loose gray fine sand
10	32.5	34.0	33.0		Medium dense gray fine sand
11	35.0	36.5			Iditto
12	37.5	39.0			Iditto
13	40.0	41.5	43.0		Iditto
14	43.5	45.0	43.0	48.0	Dense gray fine sand
15	48.5	50.0	48.0		Loose gray fine sand
16	53.5	54.5	54.5		Loose gray fine sand w/clay layers
17	58.5	59.5	54.5	63.5	Medium stiff gray clay w/clayey sand pockets & shell fragments
18	63.5	64.5	63.5	66.0	Stiff greenish-gray clay w/trace of sand
19	68.5	69.5	66.0	72.0	Stiff greenish-gray & tan clay w/trace of silt
20	72.5	73.5	72.0	74.0	Medium compact tan sandy silt w/silty sand layers
21	73.5	75.0	74.0	77.0	Compact tan sandy silt w/clay layers
22	78.5	80.0	77.0	81.5	Medium compact tan sandy silt w/clay layers
23	83.5	85.0	81.5	87.0	Very dense tan & gray silty sand
24	88.5	90.0	87.0	91.0	Stiff gray & tan clay
25	93.5	94.5	91.0		Stiff gray clay w/silt pockets
26	98.5	99.5	100.0		Iditto

Number in first column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. Number in second column indicates number of blows of 140 lb. hammer dropped 30 inch required to seat 2 inch O.D. split spoon sampler 1 ft. after seating 1 ft. of soil above sampler.

Remarks:

LOCATION OF BORINGS

BORING LOCATION	BURK & ASSOC., INC. SURVEY LINE STATION NUMBER	C.O.E. BASELINE STATION NUMBER	LOCATION
B-15	69+85.00	69+69.28	WB/L
B-16	74+75.00	74+59.27	WB/L
B-17	79+75.00	79+59.26	WB/L
B-18	84+75.00	84+59.25	WB/L
B-19	89+75.00	89+59.24	WB/L
B-20	94+75.00	94+59.23	WB/L
B-21	99+75.00	99+59.22	WB/L
B-22	104+75.00	104+59.21	WB/L
B-23	109+75.00	109+59.20	WB/L
B-24	114+75.00	114+59.19	WB/L
B-25	119+75.00	119+59.18	WB/L
B-5-LUW	124+75.00	124+59.17	WB/L
B-5-LUG	129+75.00	129+59.16	WB/L
B-26	134+75.00	134+59.15	WB/L
B-27	139+75.00	139+59.14	WB/L
B-28	144+75.00	144+59.13	WB/L
B-29	149+75.00	149+59.12	WB/L
B-30	154+75.00	154+59.11	WB/L
B-31	159+75.00	159+59.10	WB/L
B-32	164+75.00	164+59.09	WB/L
B-33	169+75.00	169+59.08	WB/L
B-34	174+75.00	174+59.07	WB/L
B-35	179+75.00	179+59.06	WB/L
B-36	184+75.00	184+59.05	WB/L
B-37	189+75.00	189+59.04	WB/L
B-38	194+75.00	194+59.03	WB/L
B-39	199+75.00	199+59.02	WB/L
B-40	204+75.00	204+59.01	WB/L
B-41	209+75.00	209+59.00	WB/L
B-42	214+75.00	214+58.99	WB/L
B-43	219+75.00	219+58.98	WB/L
B-44	224+75.00	224+58.97	WB/L

WB/L = WEST BASELINE
EB/L = EAST BASELINE

GENERAL BORING NOTES FOR EUSTIS BORINGS - B-15 THRU B-27, B-50 THRU B-62, B-83 THRU B-94 AND B-5-LUW & B-5-LUG

- EUSTIS SOIL BORINGS ARE PLOTTED BY DEPTH.
- FOR BORING LOCATIONS SEE TABULAR FORM ABOVE AND SEE DRAWINGS 4-7.
- ALL EUSTIS UNDISTURBED LEEVE BORINGS WERE TAKEN WITH A 3 INCH DIAMETER SHELBY TUBE SAMPLE BARREL.
- ALL CANAL BOTTOM BORINGS WERE TAKEN WITH A 2 INCH DIAMETER PISTON SAMPLER.
- STANDARD PENETRATION TEST: NUMBER IN FIRST COLUMN INDICATES NUMBER OF BLOWS OF 140 LB. HAMMER DROPPED 30 INCH REQUIRED TO SEAT 2 INCH O.D. SPLITSPOON SAMPLER 6 INCH. NUMBER IN SECOND COLUMN INDICATES NUMBER OF BLOWS OF 140 LB. HAMMER DROPPED 30 INCH REQUIRED TO DRIVE 2 INCH O.D. SPLITSPOON SAMPLER 1 FT. AFTER SEATING 6 INCH.
- WHILE THESE LOGS OF BORINGS ARE CONSIDERED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT ITS RESPECTIVE LOCATION ON THE DATE SHOWN, IT IS NOT WARRANTED THAT IT IS REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS AND TIMES.
- FOR SOIL BORING LEGEND, SEE DWG. 50

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS			
CORPS OF ENGINEERS			
NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. CORPORATE OFFICE NEW ORLEANS, LOUISIANA		GOTECH, INC. CORPORATE OFFICE BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION			
MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK			
MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK			
ORLEANS PARISH, LOUISIANA			
SOIL BORINGS			
DESIGNED BY: R.A. CHOPIN	DATE: 2/94	PLOT SCALE: 1	PLOT DATE: 2/9/94
DRAWN BY: BINH LE	CHECKED BY: S.J. SHAW	CADD FILE: 4029599.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW 29-94-B-0047	DWG. 59 OF 73	

Safety is a Part of Your Contract



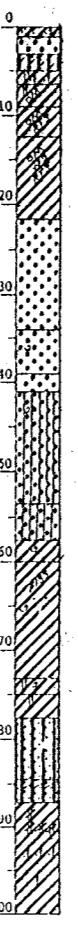
LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana
Boring No. 50 Soil Technician: A. Croal, Jr. Date: 13 November 1985
Ground Elev.: Datum Gr. Water Depth: See Text

Sample No.	SAMPLE DEPTH (Feet)		DEPTH INTERVAL (Feet)		VIRTUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	0.0	0.5	0.0	1.0	Very stiff gray & brown clay w/fine sand lenses, pockets & shell fragments	
2	1.7	2.5	1.0	3.0	loose tan fine sand	
3	2.5	4.0	3.0	5.0	Medium compact brown & gray clayey silt w/fine sand lenses	3 14
4	5.0	6.5	5.0	6.5	Medium stiff to stiff gray clay w/sandy silt lenses & layers	2 8
5	8.2	9.0	6.5	9.0	Soft dark gray clay w/silt pockets & trace of organic matter	
6	10.7	11.5	9.0	12.5	Soft dark gray clay w/organic matter & roots	
7	13.7	14.5	12.5		Very soft gray clay w/organic matter & wood	
8	18.2	19.0	21.8		Soft gray clay w/organic matter & roots	
9	21.7	22.5	21.8		loose to medium dense gray fine sand	
10	22.5	24.0			Medium dense gray fine sand	4 26
11	25.0	26.5			ditto	4 23
12	27.5	29.0			ditto	3 19
13	30.0	31.5		34.0	ditto	8 25
14	31.5	35.0	34.0	39.0	Dense gray fine sand w/shell fragments	9 32
15	38.5	40.0	39.0	41.0	Very dense gray fine sand	12 50=11"
16	43.5	45.0	41.0		Medium dense gray silty sand w/few shell fragments	6 26
17	48.5	50.0	53.5		Medium dense gray silty sand	5 27
18	53.5	55.0	57.5		loose gray silty sand	3 10
19	58.5	60.0	60.0		Soft gray clay w/shell fragments	2 4
20	63.2	64.0	60.0	66.0	Medium stiff gray fissured clay w/sand pockets & few shell fragments & vertical fissures.	
21	68.2	69.0	66.0	73.0	Stiff gray clay w/few shell fragments	
22	73.2	74.0	73.0	75.0	Stiff greenish-gray clay w/silt pockets & shells	
23	76.7	77.5	75.0	77.5	Very stiff greenish-gray & tan clay w/few silt pockets	
24	77.5	79.0	77.5		Compact gray sandy silt	9 44
25	80.0	81.5			ditto	8 35
26	82.5	84.0		84.5	Medium compact gray sandy silt	6 21
27	85.0	86.5	84.5	87.0	Very loose gray sandy silt w/clay layers	2 2
28	88.5	90.0	87.0		Medium stiff gray clay w/clayey silt lenses & layers	2 6
29	91.7	92.5			Medium stiff gray clay w/sandy silt layers	
30	96.7	97.5	94	100.0	Stiff gray clay w/silt lenses	

Number in first column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 8 in. Number in second column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 1 ft. after seating 8 in. This test is performed in accordance with ASTM D 1586-80. The test is performed at the following locations on the boring log.

Remarks:



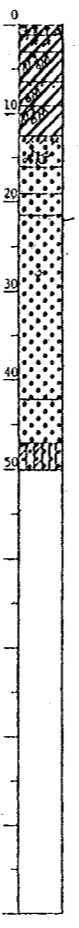
LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana
Boring No. 51 Soil Technician: A. Croal, Jr. Date: 12 November 1985
Ground Elev.: Datum Gr. Water Depth: See Text

Sample No.	SAMPLE DEPTH (Feet)		DEPTH INTERVAL (Feet)		VIRTUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	0.0	0.5	0.0	1.0	Stiff brown & gray clay w/shell fragments & grass roots	
2	1.7	2.5	1.0	3.0	Medium stiff tan & gray clay w/fine sand & clayey sand pockets	
3	4.7	5.5	3.0	6.5	Medium stiff black & gray clay w/roots & organic matter	
4	7.7	8.5	6.5	9.0	Medium stiff tan & gray clay w/sand layers & trace of organic matter	
5	10.7	11.5	9.0	12.5	Soft gray clay w/roots & organic matter	
6	13.7	14.5	12.5	16.0	loose gray fine sand w/clayey sand layers, trace of organic matter & few roots	
7	16.0	17.5	16.0	19.0	Medium dense gray fine sand	2 28
8	18.5	20.0	19.0	21.5	Dense gray fine sand	4 36
9	21.0	22.5	21.5		Very dense gray fine sand	8 50=10"
10	23.5	25.0			ditto	10 50=10"
11	26.0	27.5			ditto	15 50=9"
12	28.5	30.0			Very dense gray fine sand w/few shell fragments	11 50=9"
13	33.5	35.0			Very dense gray fine sand	9 50=9"
14	38.5	40.0		42.0	ditto	12 50=9"
15	43.5	45.0	42.0	47.0	Dense gray fine sand	14 41
16	48.5	50.0	47.0	50.0	loose gray silty sand w/few clay pockets & trace of clay	2 10

Number in first column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 8 in. Number in second column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 1 ft. after seating 8 in. This test is performed in accordance with ASTM D 1586-80. The test is performed at the following locations on the boring log.

Remarks:



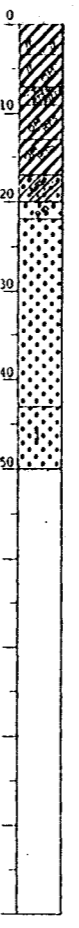
LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana
Boring No. 52 Soil Technician: A. J. Mayeux Date: 4 December 1985
Ground Elev.: Datum Gr. Water Depth: See Text

Sample No.	SAMPLE DEPTH (Feet)		DEPTH INTERVAL (Feet)		VIRTUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0	3.5	Stiff gray & tan clay w/silt pockets & shell fragments	
2	5.0	5.5	3.5	7.0	Medium stiff gray & tan clay w/silt pockets & trace of organic matter	
3	8.0	8.5	7.0	9.0	Soft gray clay w/organic clay layers, sand pockets & roots (fill)	
4	11.0	11.5	9.0	13.0	Very soft gray clay w/organic matter & roots	
5	14.0	14.5	13.0	17.0	Soft gray clay w/organic matter & roots	
6	19.0	19.5	17.0	20.0	Very loose dark gray & gray clayey sand w/sandy clay layers & roots	
7	20.0	21.5	20.0	22.0	Medium dense gray sand w/organic matter	2 14
8	22.5	24.0	22.0		Dense gray sand	7 32
9	25.0	26.5			ditto	6 30
10	28.5	30.0			ditto	5 42
11	33.5	35.0			ditto	7 37
12	38.5	40.0		43.0	ditto	8 35
13	43.5	45.0	43.0		loose gray sand w/shell fragments	1 5
14	48.5	50.0	50.0		ditto	2 6

Number in first column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 8 in. Number in second column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 1 ft. after seating 8 in. This test is performed in accordance with ASTM D 1586-80. The test is performed at the following locations on the boring log.

Remarks:



LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana
Boring No. 53 Soil Technician: A. J. Mayeux Date: 4 December 1985
Ground Elev.: Datum Gr. Water Depth: See Text

Sample No.	SAMPLE DEPTH (Feet)		DEPTH INTERVAL (Feet)		VIRTUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0		Medium stiff gray & tan clay w/sand lenses & pockets & trace of organic matter	
2	5.5	6.0			Medium stiff gray & tan clay w/sand pockets	
3	8.0	8.5		9.0	Medium stiff gray & tan clay w/vertical sand layers, organic matter & bricks	
	11.0	11.5	9.0	11.5	Wood w/organic matter & clay	
4	14.0	14.5	11.5	15.0	Soft gray & tan clay w/decayed roots	
5	15.0	16.5	15.0	17.0	loose gray sand	1 5
6	17.5	19.0	17.0		Medium dense gray sand	2 13
7	20.0	21.5			ditto	4 19
8	23.5	25.0		28.0	ditto	2 15
9	28.5	30.0	28.0		Dense gray sand	5 35
10	33.5	35.0			ditto	10 48
11	38.5	40.0		41.5	ditto	7 32
12	43.5	45.0	41.5	47.0	Medium dense gray sand w/shell fragments	5 19
13	48.5	50.0	47.0	52.0	loose gray sand w/shell fragments	2 8
14	53.5	55.0	52.0	56.5	Medium stiff gray clay w/sand layers	1 4
15	59.0	59.5	56.5	62.0	Stiff gray & tan clay w/sand pockets & shell fragments	
16	64.0	64.5	62.0	66.0	Stiff gray clay w/sand pockets	
17	69.0	69.5	66.0	70.0	Medium stiff gray clay w/shell fragments	

Number in first column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 8 in. Number in second column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 1 ft. after seating 8 in. This test is performed in accordance with ASTM D 1586-80. The test is performed at the following locations on the boring log.

Remarks:



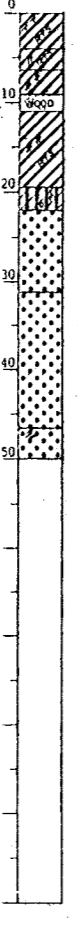
LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana
Boring No. 54 Soil Technician: A. J. Mayeux Date: 6 December 1985
Ground Elev.: Datum Gr. Water Depth: See Text

Sample No.	SAMPLE DEPTH (Feet)		DEPTH INTERVAL (Feet)		VIRTUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0	4.0	Very stiff brown & gray clay w/clayey sand pockets & roots	
2	5.0	5.5	4.0	6.5	Medium stiff gray clay w/silt pockets & roots	
3	8.0	8.5	6.5	9.0	Medium stiff gray & tan clay w/clayey silt pockets	
4			9.0	11.0	Wood w/some clay	
5	14.0	14.5	11.0		Soft gray clay w/clayey silt pockets & roots	
6	19.0	19.5	19.5		Soft gray clay w/roots	
7	20.0	21.5	19.5	22.0	loose gray clayey silt w/trace of organic matter	3 8
8	22.5	24.0	22.0		Medium dense gray sand	3 15
9	25.0	26.5			ditto	4 16
10	28.5	30.0	31.0		ditto	5 30
11	33.5	35.0	31.0		Dense gray sand	7 37
12	38.5	40.0			ditto	9 38
13	43.5	45.0	46.5		ditto	8 33
14	48.5	50.0	46.5	50.0	loose gray sand w/clay layers	1 4

Number in first column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 8 in. Number in second column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 1 ft. after seating 8 in. This test is performed in accordance with ASTM D 1586-80. The test is performed at the following locations on the boring log.

Remarks:



LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana
Boring No. 55 Soil Technician: A. J. Mayeux Date: 6 December 1985
Ground Elev.: Datum Gr. Water Depth: See Text

Sample No.	SAMPLE DEPTH (Feet)		DEPTH INTERVAL (Feet)		VIRTUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0		Medium stiff gray & brown clay w/clayey sand pockets, roots & fill	
2	5.0	5.5	7.0		Medium stiff gray & brown clay w/clayey silt pockets & roots	
3	11.0	11.5	10.0		Wood w/clay & organic matter	
4	14.0	14.5	17.5		Soft gray clay w/roots & fine sandy silt pockets	
5	19.0	19.5	17.5	20.0	Soft gray clay w/roots	
6	20.0	21.5	20.0	22.0	Medium dense gray silty sand	1 5
7	22.5	24.0	22.0		loose gray sand w/trace of organic matter	
8	25.0	26.5			Medium dense gray sand w/shell fragments	4 17
9	28.5	30.0	31.0		ditto	4 20
10	33.5	35.0	31.0		Dense gray sand w/shell fragments	10 40
11	38.5	40.0	42.0		ditto	8 39
12	43.5	45.0	42.0		Medium dense gray sand w/shell fragments	4 13
13	48.5	50.0	50.0		ditto	2 10

Number in first column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 8 in. Number in second column indicates number of blows of 140 lb hammer dropped 30 in. required to seat 2 in. O.D. subsurface sampler 1 ft. after seating 8 in. This test is performed in accordance with ASTM D 1586-80. The test is performed at the following locations on the boring log.

Remarks:



LOG OF BORING
EUSTIS ENGINEERING COMPANY
SOIL AND FOUNDATION CONSULTANTS
METairie, LA

Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana
Boring No. 56 Soil Technician: A. J. Mayeux Date: 3 December 1985
Ground Elev.: Datum Gr. Water Depth: See Text

Sample No.	SAMPLE DEPTH (Feet)		DEPTH INTERVAL (Feet)		VIRTUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	3.0	0.0	4.0	Medium stiff brown & gray clayey sand w/roots & few shell fragments	
2	5.0	6.0	4.0	7.5	Soft brown & gray clay w/organic clay layers	
3	8.0	9.0	7.5	9.0	Soft dark gray & brown clay w/sand lenses, clayey sand pockets & trace of organic matter	
	11.0	11.5	9.0	13.0	Wood w/clay & organic matter	
4	14.0	15.0	13.0	18.0	Extremely soft gray clay w/clayey sand pockets & roots	
5	18.0	19.0	18.0	20.0	Very loose gray sand w/shell fragments	2 5
6	20.0	21.5	20.0	22.0	loose gray sand w/shell fragments	2 5
7	22.5	24.0	22.0		Medium dense gray sand w/shell fragments	2 12
8	25.0	26.5		28.0	ditto	5 18
9	28.5	30.0	28.0	33.0	Dense gray sand w/shell fragments	7 42
10	33.5	35.0	33.0		Very dense gray sand w/shell fragments	9 54
11	38.5	40.0			ditto	8 56
12	43.5	45.0	47.0		ditto	13 50=10"
13	48.5	50.0	47.0	50.0	Medium dense gray sand w/shell fragments	

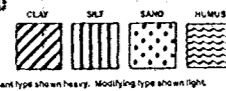
Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana

Boring No. 57 Soil Technician A. J. Mayeux Date 9 December 1985
Ground Elev. Datum Gr. Water Depth See Text

Sample No.	SAMPLE DEPTH		DEPTH INTERVAL		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0	4.5	Medium dense brown & gray clayey sand w/roots & few shell fragments	
2	5.0	5.5	4.5	7.0	Medium compact gray clayey silt w/sandy silt layer & clay pockets	
3	7.0	8.5	7.0		Very loose tan sand w/clay layers	0 1
4	9.0	10.5			Iditto	0 1
5	11.5	13.0			Iditto	0 3
6	14.0	15.5		18.5	Iditto	1 2
7	19.5	20.0	18.5	23.0	Medium dense gray sand w/shell fragments	2 11
8	23.5	25.0	23.0	27.0	Dense gray sand w/shell fragments	7 34
9	28.5	30.0	27.0		Medium dense gray sand w/shell fragments	7 20
10	33.5	35.0	36.5		Iditto	7 12
11	38.5	40.0	36.5	41.0	Soft gray sandy clay w/shell fragments	0 2
12	44.0	44.5	41.0		Medium stiff gray clay w/trace of sand & shell fragments	
13	49.0	49.5			Medium stiff gray clay w/sand pockets & shell fragments	
14	54.0	54.5	57.5		Medium stiff gray clay w/fine sandy silt pockets	
15	59.0	59.5	62.5		Stiff dark gray organic clay	
16	64.0	64.5	62.5	66.0	Stiff greenish-gray silty clay w/fine sand	
17	67.0	67.5	66.0	68.5	Stiff greenish-gray & tan clay w/silt lenses	
18	68.5	70.0	68.5	71.0	Loose greenish-gray sandy silt w/clay layers	2 7
19	71.0	72.5	71.0	72.5	Medium compact greenish-gray sandy silt	4 12
20	73.5	75.0	72.5	77.0	Medium stiff gray clay w/silt lenses	1 5
21	79.0	79.5	77.0		Stiff gray clay w/fine sandy silt lenses	
22	84.0	84.5			Iditto	
23	89.0	89.5			Stiff gray clay w/silt lenses	
24	94.0	94.5		97.0	Iditto	
25	99.0	99.5	97.0	100.0	Medium stiff gray clay	

Number in first column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 8 in. Number in second column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 18 in. after seating 8 in. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses.

Remarks:



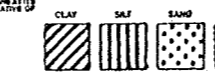
Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana

Boring No. 58 Soil Technician A. J. Mayeux Date 7 December 1985
Ground Elev. Datum Gr. Water Depth See Text

Sample No.	SAMPLE DEPTH		DEPTH INTERVAL		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0	4.0	Stiff gray & brown clay w/clayey sand pockets	
2	5.0	5.5	4.0	7.0	Medium stiff gray clay w/clayey sand pockets	
3	8.0	8.5	7.0	9.5	Wood w/some clay	
4	11.0	11.5	9.5	13.0	Soft dark gray clay w/many roots	
5	14.0	14.5	13.0	16.0	Very soft gray clay w/clayey sand pockets, roots & wood	
6	19.0	19.5	16.0	20.0	Dense gray silty sand w/clay pockets	
7	20.0	21.5	20.0		Loose gray sand w/shell fragments	1 5
8	22.5	24.0	25.0		Iditto	1 7
9	25.0	26.5	25.0		Medium dense gray sand w/shell fragments	4 22
10	28.5	30.0			Iditto	4 22
11	33.5	35.0			Iditto	6 21
12	38.5	40.0	43.0		Iditto	5 15
13	43.5	45.0	43.0	47.0	Loose gray sand w/shell fragments	5 10
14	48.5	50.0	47.0	50.0	Very loose gray sand w/shell fragments & clay layers	1 4

Number in first column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 8 in. Number in second column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 18 in. after seating 8 in. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses.

Remarks:



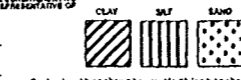
Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana

Boring No. 59 Soil Technician A. J. Mayeux Date 7 December 1985
Ground Elev. Datum Gr. Water Depth See Text

Sample No.	SAMPLE DEPTH		DEPTH INTERVAL		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0		Soft brown & gray clay w/clayey sand pockets, roots & some fill	
2	5.0	5.5	7.0		Medium stiff dark gray & brown clay w/clayey sand pockets & roots	
	8.0	8.5	7.0	10.0	Wood w/organic matter & some clay	
3	11.0	11.5	10.0	15.0	Medium compact gray sandy silt w/clay layers & wood	
4	15.0	16.5	15.0		Loose gray sand w/shell fragments	2 5
5	17.5	19.0			Iditto	2 7
6	20.0	21.5	22.5		Iditto	2 4
7	22.5	24.0	22.5		Medium dense gray sand	3 12
8	25.0	26.5			Iditto	3 12
9	28.5	30.0			Iditto	3 15
10	33.5	35.0	38.0		Iditto	5 26
11	38.5	40.0	38.0	41.0	Loose gray sand w/shell fragments	2 9
12	43.5	45.0	41.0	47.0	Loose gray sand	2 5
13	49.0	49.5	47.0	50.0	Medium stiff gray fissured clay w/clayey sand pockets & shell fragments	

Number in first column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 8 in. Number in second column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 18 in. after seating 8 in. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses.

Remarks:



Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana

Boring No. 60 Soil Technician A. J. Mayeux Date 7 December 1985
Ground Elev. Datum Gr. Water Depth See Text

Sample No.	SAMPLE DEPTH		DEPTH INTERVAL		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0	4.5	Stiff brown & gray clay w/clayey sand pockets & roots	
2	5.0	5.5	4.5	8.0	Soft gray & tan clay w/organic clay layers & roots	
3	8.0	8.5	8.0	10.0	Extremely soft brown humus w/organic clay layers & roots	
4	11.0	11.5	10.0	16.0	Soft brown organic clay w/humus layers, wood & roots	
5	17.0	17.5	16.0	19.0	Very loose gray sand w/organic matter	
6	20.0	21.5	19.0	22.5	Very loose gray sand	1 2
7	22.5	24.0	22.5	24.5	Loose gray sand	1 6
8	25.0	26.5	24.5		Medium dense gray sand w/shell fragments	2 11
9	28.5	30.0			Iditto	
10	33.5	35.0			Iditto	2 14
11	38.5	40.0			Iditto	2 11
12	43.5	45.0	42.0		Iditto	5 13
13	49.0	49.5	42.0		Very loose gray clayey sand w/shell fragments	0 2
			50.0		Iditto	

Number in first column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 8 in. Number in second column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 18 in. after seating 8 in. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses.

Remarks:



Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana

Boring No. 61 Soil Technician A. J. Mayeux Date 10 December 1985
Ground Elev. Datum Gr. Water Depth See Text

Sample No.	SAMPLE DEPTH		DEPTH INTERVAL		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0	4.0	Very compact tan & gray clayey silt w/clay pockets & roots	
2	5.0	5.5	4.0	7.0	Dense tan & gray clayey sand w/clay lenses & roots	
3	8.0	8.5	7.0	10.0	Soft gray silty clay w/clayey sand pockets & trace of organic matter	
4	11.0	11.5	10.0	13.0	Medium stiff dark gray clay w/organic matter & wood	
5	14.0	14.5	13.0	17.5	Stiff brown organic clay w/humus layers	
6	19.0	19.5	17.5	20.0	Soft gray silty clay w/alternating clayey silt & sandy silt layers	
7	20.0	21.5	20.0		Very loose gray clayey sand	1 4
8	22.5	24.0	25.5		Iditto	0 2
9	25.0	26.5	25.5		Loose gray sand w/shell fragments	1 7
10	28.5	30.0	30.0		Iditto	2 10
11	33.5	35.0	30.0	37.5	Medium dense gray sand w/shell fragments	4 15
12	38.5	40.0	37.5	41.5	Dense gray sand	6 34
13	43.5	45.0	41.5	48.0	Loose gray clayey sand w/shell fragments	1 4
14	49.0	49.5	48.0	50.0	Soft gray clay w/clayey sand pockets & shell fragments	
15	54.0	54.5	50.0	59.0	Medium stiff gray clay w/sand pockets & shell fragments	
16	59.0	59.5	59.0	62.5	Stiff greenish-gray & tan clay w/trace of sand	
17	64.0	64.5	62.5	65.0	Very stiff tan & gray clay w/silt pockets & concretions	

Number in first column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 8 in. Number in second column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 18 in. after seating 8 in. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses.

Remarks:



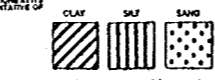
Name of Project: London Avenue Canal, Levee and Floodwall Improvements
Orleans Levee Board Project No. 2049-0269, New Orleans, Louisiana
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, LA
Berk & Associates, Inc., New Orleans, Louisiana

Boring No. 62 Soil Technician A. J. Mayeux Date 7 November 1985
Ground Elev. Datum Gr. Water Depth See Text

Sample No.	SAMPLE DEPTH		DEPTH INTERVAL		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	2.5	0.0	4.0	Medium stiff tan & gray clay w/clayey silt pockets	
2	5.0	5.5	4.0	7.0	Soft brown organic clay w/many roots	
3	8.0	8.5	7.0	10.0	Very soft gray silty clay w/silt lenses & organic matter	
4	11.0	11.5	10.0	13.0	Very loose gray sand w/clay layers	
5	13.5	15.0	13.0	16.5	Very loose gray clayey sand w/shell fragments	1 3
6	18.0	18.5	16.5	18.5	Very loose gray sand w/shell fragments	
7	18.5	20.0	18.5		Loose gray sand w/shell fragments	4 10
8	21.0	22.5	22.5		Iditto	3 10
9	23.5	25.0	22.5		Medium dense gray sand w/shell fragments	3 14
10	26.0	27.5	28.0		Iditto	5 17
11	28.5	30.0	28.0		Loose gray clayey sand w/shell fragments	3 9
12	32.0	32.5	33.5		Iditto	
13	33.5	35.0	33.5	37.0	Dense gray sand w/shell fragments	8 34
14	38.5	40.0	37.0		Medium stiff gray clay w/sand pockets & shell fragments	2 5
15	44.0	44.5			Iditto	
16	49.0	49.5	50.0		Medium stiff gray clay w/trace of silt	
			50.0		Stiff greenish-gray silty clay	

Number in first column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 8 in. Number in second column indicates number of blows of 140 lb. hammer dropped 30 in. required to seat 2 in. O.D. splitpoint sampler 18 in. after seating 8 in. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses. **NOTE:** If soil is too hard to penetrate with sampler, it is noted as "too hard to penetrate" and the depth of penetration is given in parentheses.

Remarks:



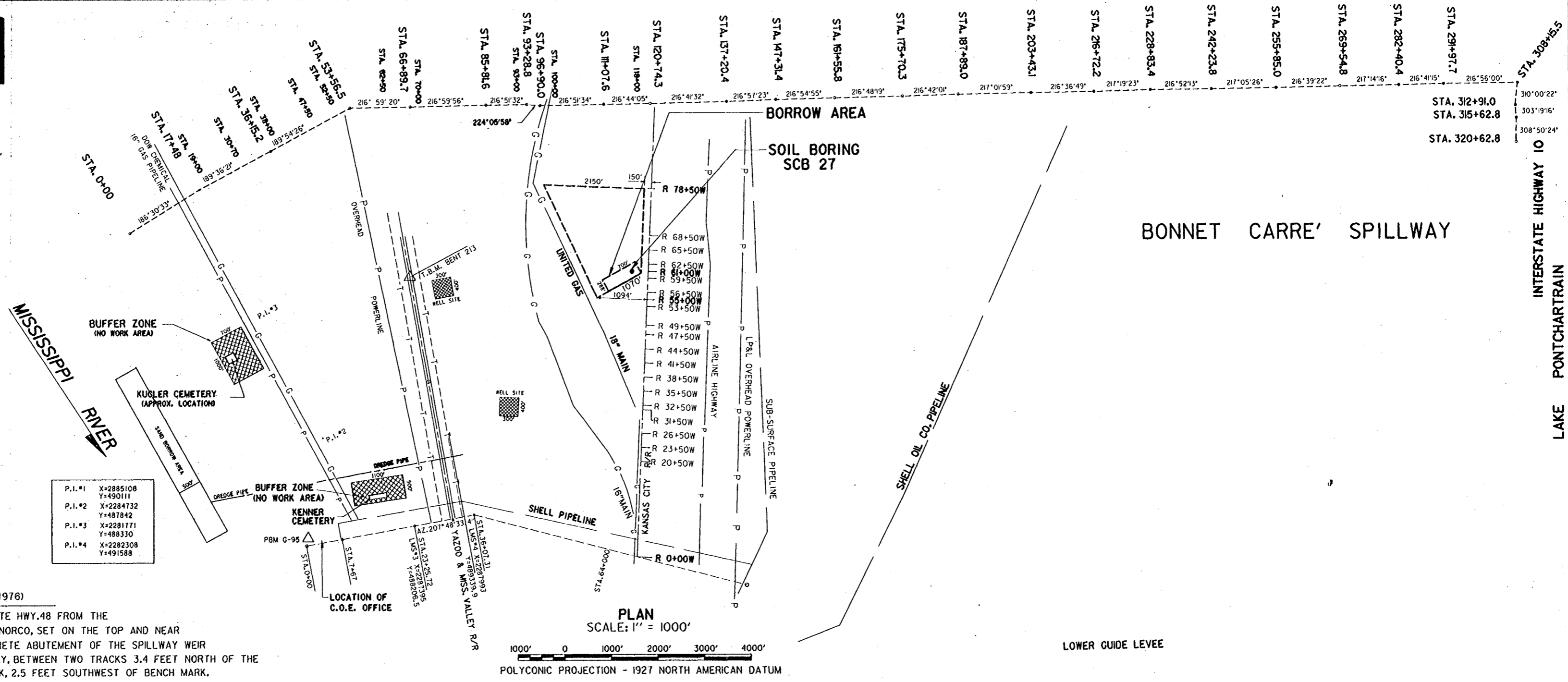
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
SOIL BORINGS			
DESIGNED BY: R.A.CHOPIN	DATE: 2/94	PLOT SCALE: 1	PLOT DATE: 2/9/94
DRAWN BY: BINH LE	CHECKED BY: S.I.SHAH	CADD FILE: 40295B.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E. BURK - KLEINPETER, INC.		SOLICITATION NO. DACW 29-94-B-0047 DWG. 61 OF 73	



Safety is a Part of Your Contract

NOTES:

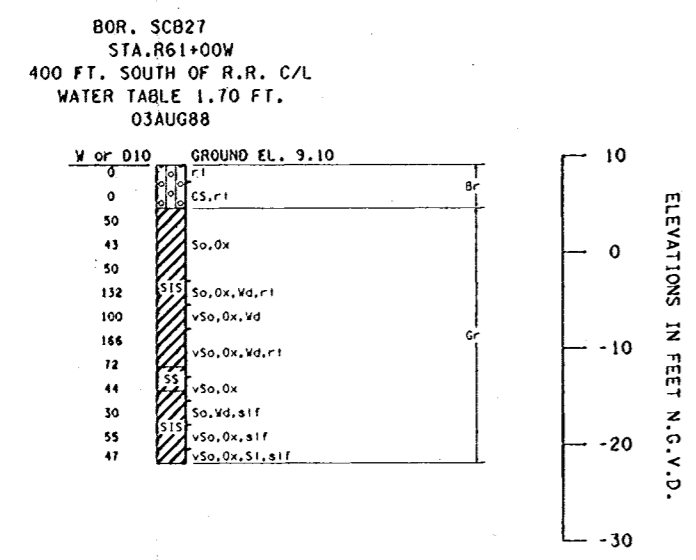
Safety is a Part of Your Contract



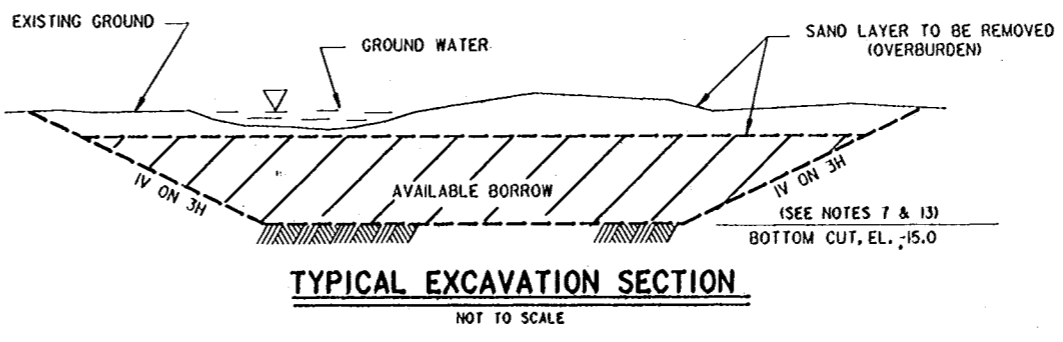
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P.I.#2	X=2284732 Y=481842
P.I.#3	X=2281771 Y=488330
P.I.#4	X=2282308 Y=491588

PBM. G-95 ELEVATION 28.3 (1976)
 ABOUT 1.1 MILES WEST ALONG STATE HWY.48 FROM THE JUNCTION OF GOOD HOPE ST. AT NORCO, 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 3.4 FEET NORTH OF THE NORTH RAIL OF THE SOUTH TRACK, 2.5 FEET SOUTHWEST OF BENCH MARK.

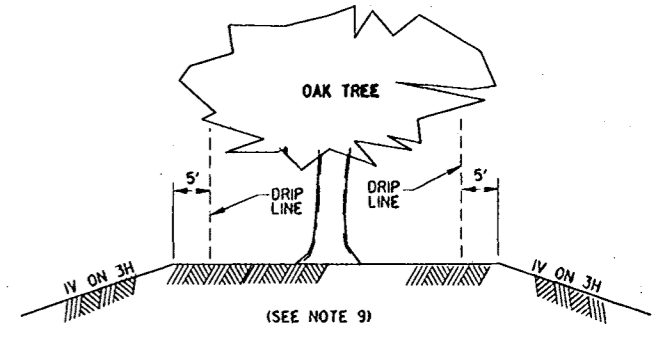
PLAN SCALE: 1" = 1000'
 POLYCONIC PROJECTION - 1927 NORTH AMERICAN DATUM



1. FOR BORING LOCATION SEE PLAN.



- NOTES:
- FOR GENERAL NOTES, SEE DWG.2.
 - ACCESS TO THE BORROW PIT LOCATION FROM AIRLINE HIGHWAY SHALL BE BY EXISTING DIRT ROADS LOCATED THROUGHOUT THE SPILLWAY.
 - NO EXCAVATION WITHIN 100 FEET OF POWER POLES.
 - SAND OVERBURDEN SHALL BE STOCKPILED PARALLEL TO THE SPILLWAY GUIDE LEVEE.
 - THE GOVERNMENT HAS THE RIGHT TO REQUIRE THE CONTRACTOR TO MOVE OUT OF THE SPILLWAY WITH A 10 DAY NOTICE.
 - SIDE SLOPES OF BORROW PIT SHALL NOT EXCEED 1V ON 3H.
 - EXCAVATION BELOW EL. -15.0 FEET IS NOT REQUIRED; HOWEVER, IF THE BORROW MATERIAL IS ACCEPTABLE BELOW EL. -15.0 FEET AND THE CONTRACTOR ELECTS TO EXCAVATE DEEPER, THE CONTRACTOR MAY DO SO IF APPROVED BY CONTRACTING OFFICER.
 - EXCAVATION WITHIN THE BORROW AREA SHALL BEGIN AT THE MOST SOUTHERN END OF THE PIT AND SHALL PROGRESS FULL WIDTH AND DEPTH TOWARD THE NORTH END. THE CONTRACTOR SHALL BEGIN EXCAVATION OPERATIONS IN AREAS ADJACENT TO PREVIOUSLY EXCAVATED PITS.
 - PRIOR TO CONSTRUCTION, CERTAIN EXISTING OAK TREES IN THE BORROW AREA SHALL BE ADEQUATELY MARKED WITH FLAGGING TO REMAIN UNDISTURBED. EXCAVATION AROUND THESE MARKED TREES SHALL BE AS DETAILED THIS DRAWING.
 - IN THE EVENT THE BORROW AREA CONTAINS STANDING WATER, THE CONTRACTOR SHALL DEWATER THE AREA PRIOR TO CLEARING/GRUBBING AND EXCAVATING THE AREA.
 - SEE BORROW BORING LOG, THIS DWG.
 - SEE SOIL BORING LEGEND, DWG 48.
 - THE GROUND WATER TABLE IS SEASONAL, I.E. VARIES WITH THE AMOUNT OF RAINFALL AND WITH THE MISSISSIPPI RIVER STAGES. THEREFORE, THE ELEVATION OF THE GROUND WATER TABLE ENCOUNTERED DURING CONSTRUCTION COULD BE DIFFERENT FROM THAT SHOWN ON THE BORING LOGS.
 - BORINGS WERE TAKEN WITH A STANDARD WIRELINE SAMPLER.

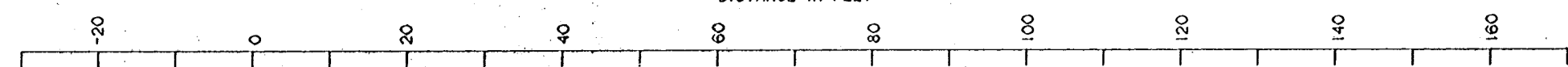


EXCAVATION IN VICINITY OF FLAGGED OAK TREES
 NOT TO SCALE

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
BONNET CARRE' SPILLWAY BORROW SITE AND SOIL BORING			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 1	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CAAD FILE: 4029583.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.		SOLICITATION NO. DACW29-94-B-0047	
BURK-KLEINPETER, INC.		DWG. 63 OF 73	

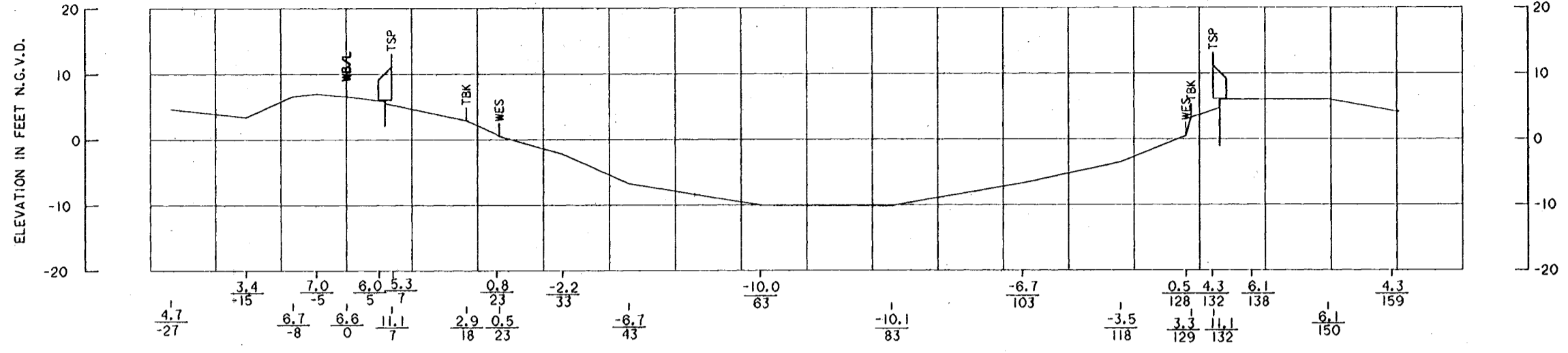


DISTANCE IN FEET



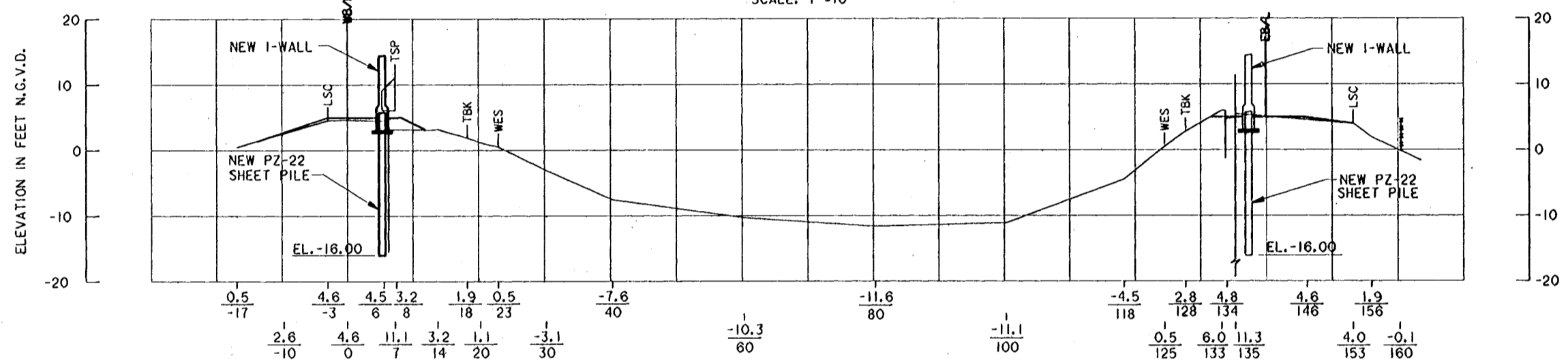
WEST SIDE

EAST SIDE



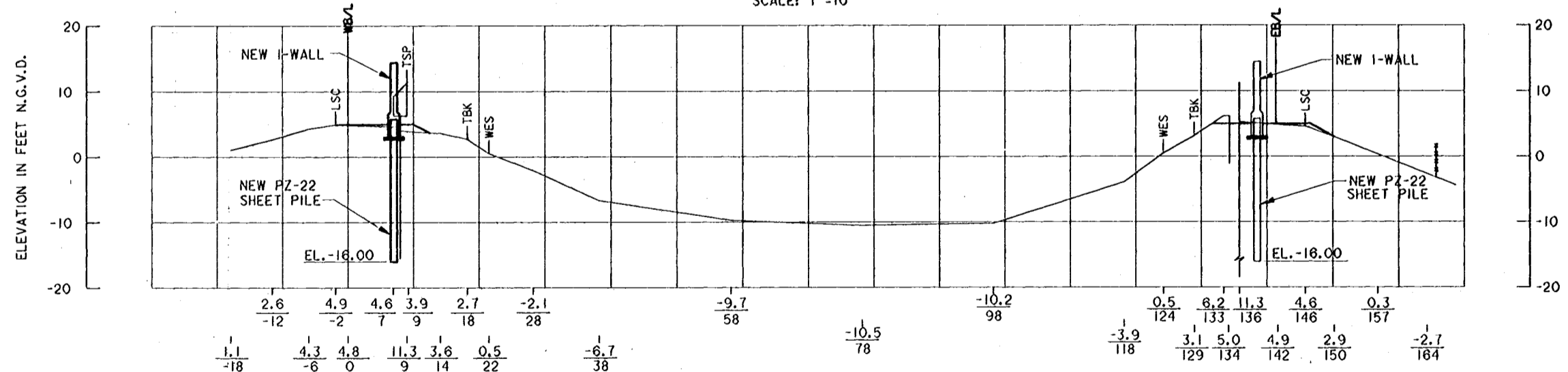
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SCALE: 1"=10'



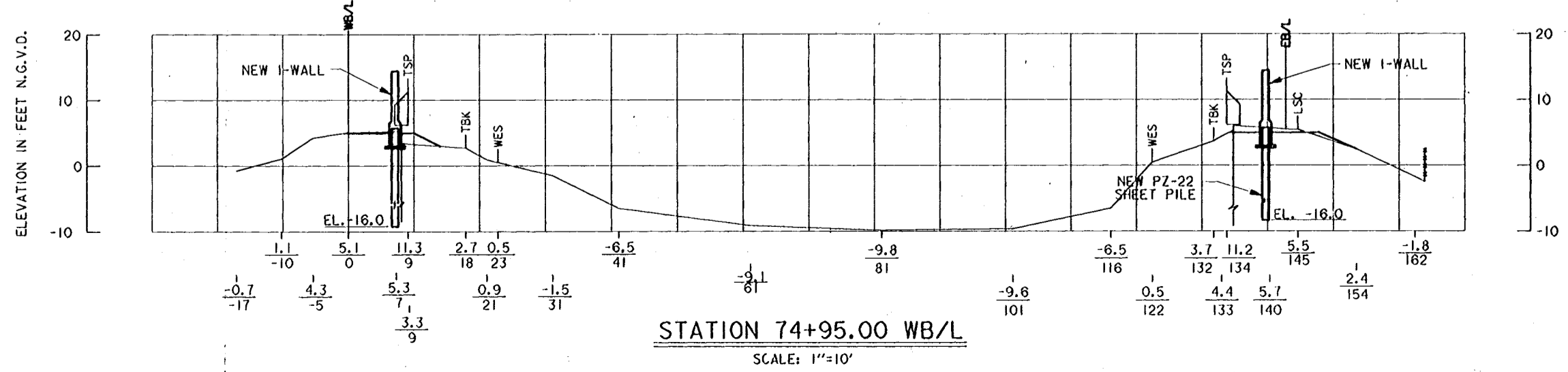
STATION 70+95.00 WB/L

SCALE: 1"=10'



STATION 72+95.00 WB/L

SCALE: 1"=10'



STATION 74+95.00 WB/L

SCALE: 1"=10'

ABBREVIATIONS

- LSC = LAND SIDE CROWN
- CSC = CANAL SIDE TOE
- LST = LAND SIDE TOE
- TBK = TOP OF BANK
- TSP = TOP OF SHEET PILE (FLOODWALL)
- WES = WATER EDGE SURFACE
- WB/L = WEST BASE LINE
- EB/L = EAST BASE LINE
- EL = ELEVATION

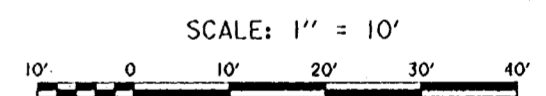
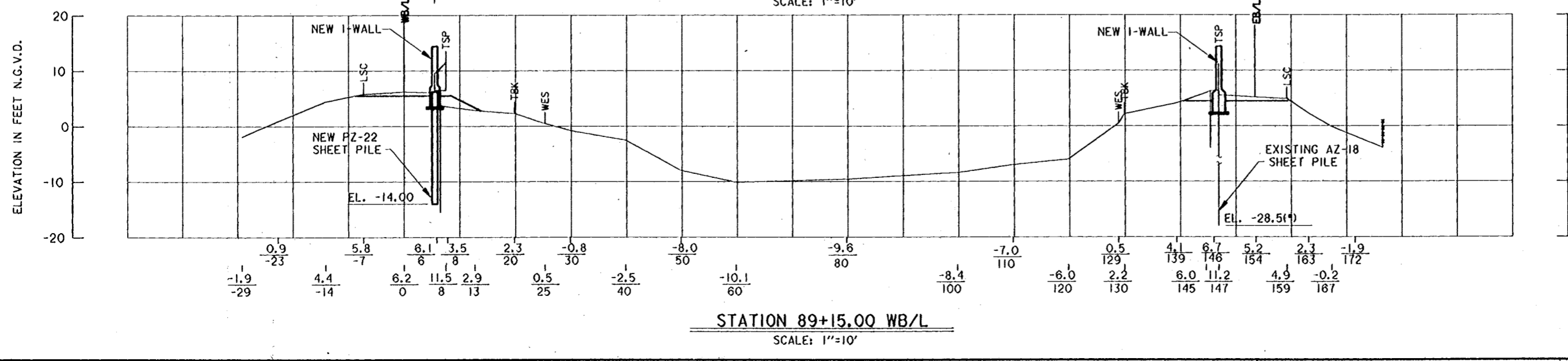
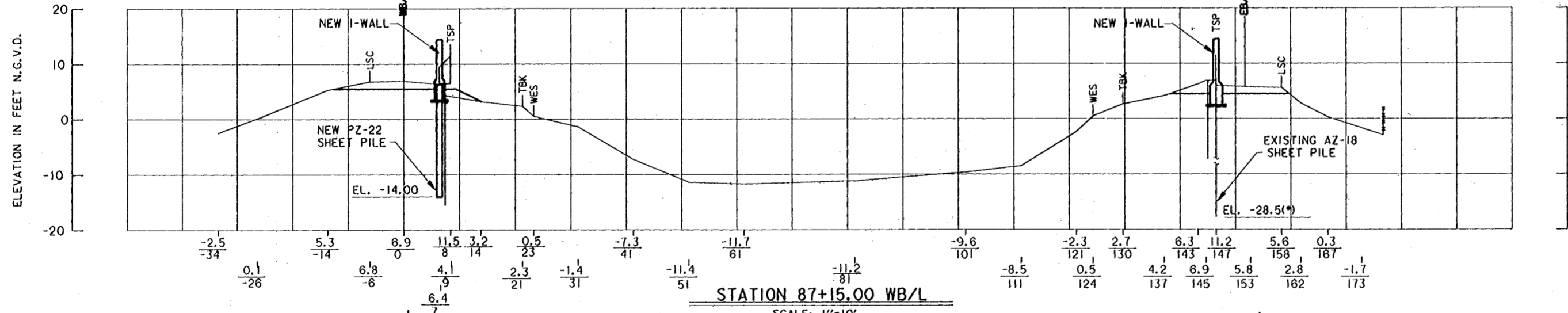
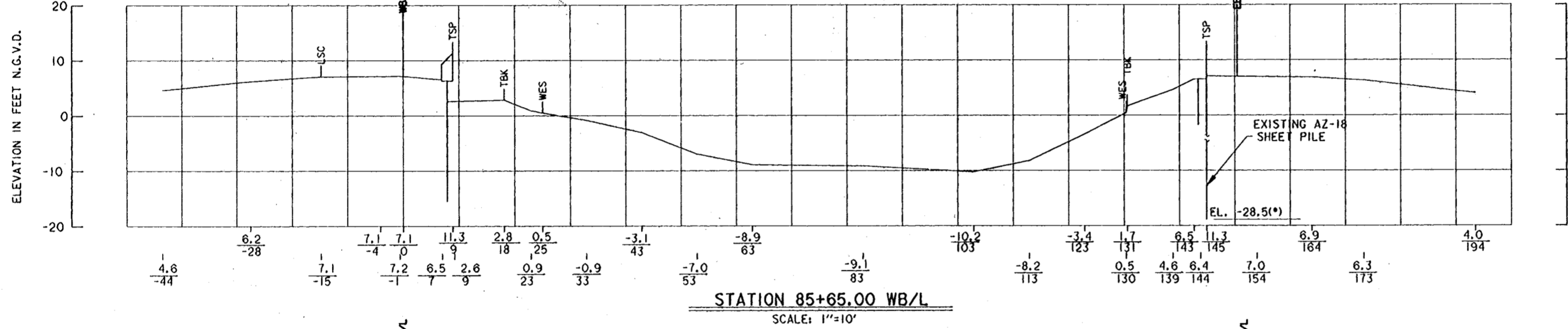
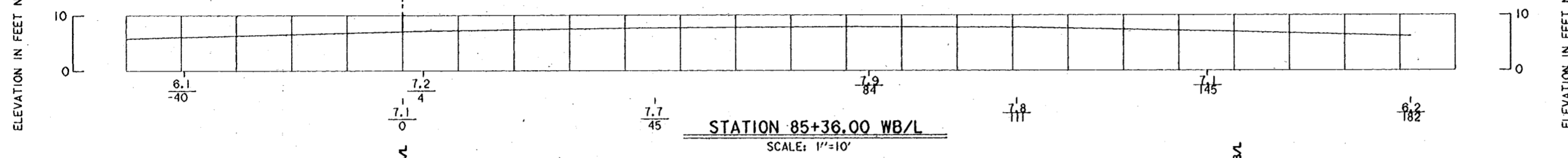
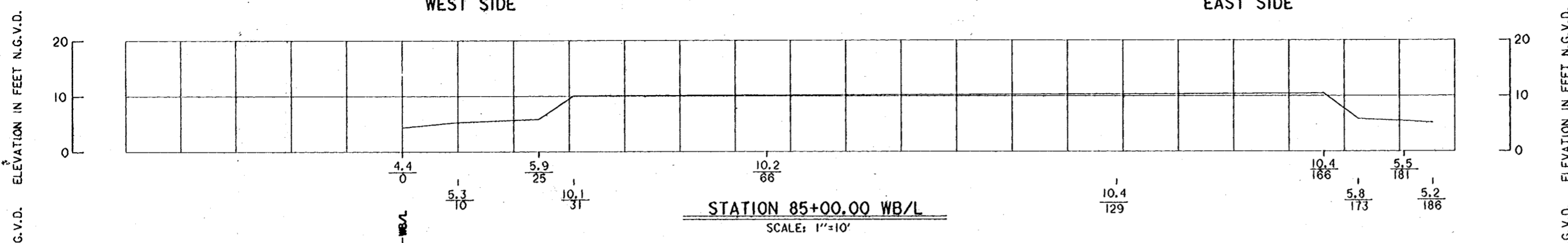
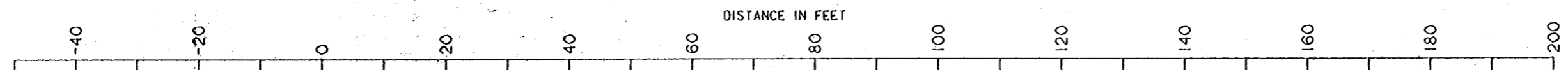
SCALE: 1" = 10'



NOTE:

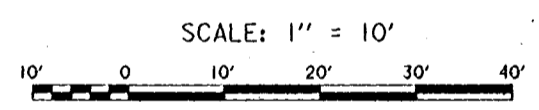
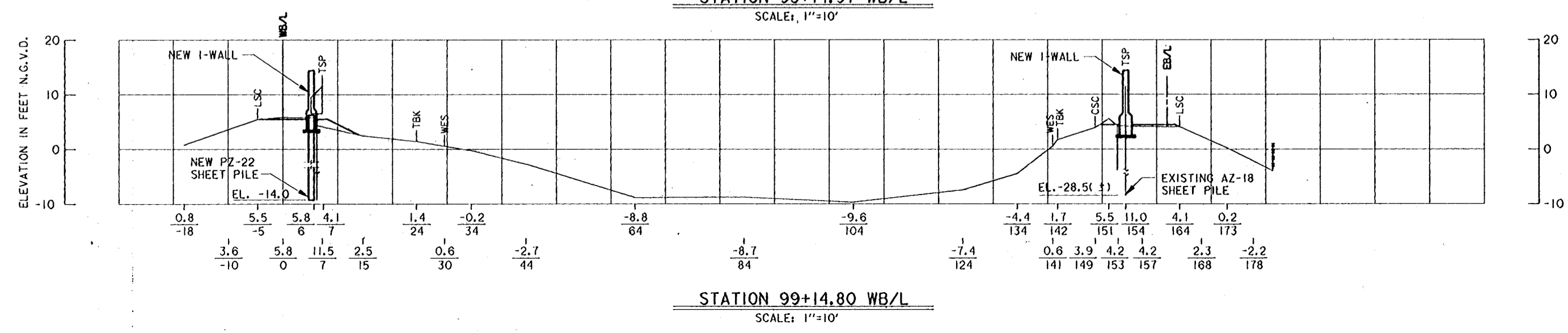
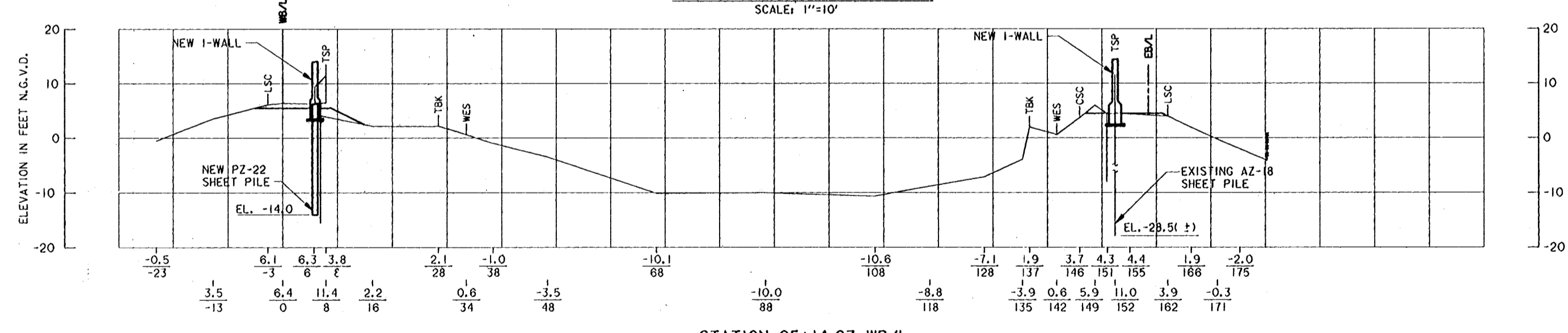
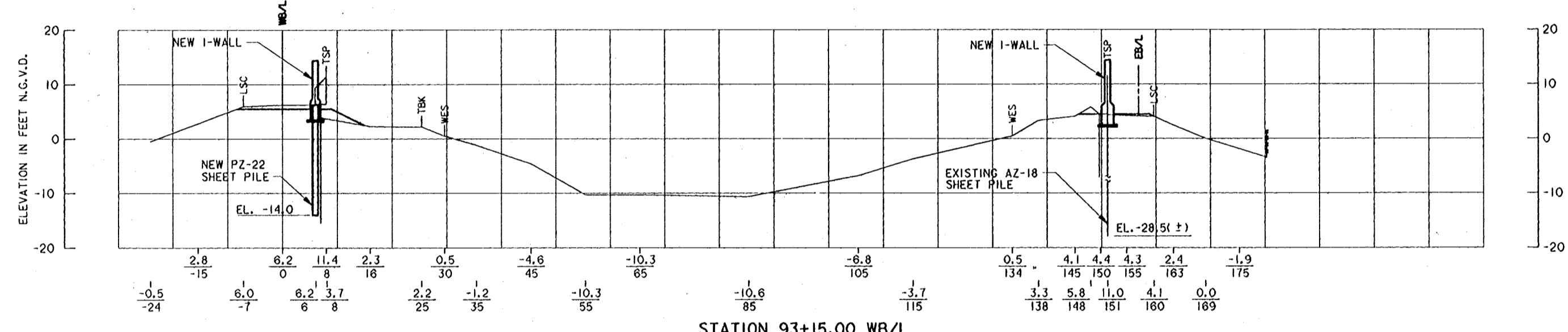
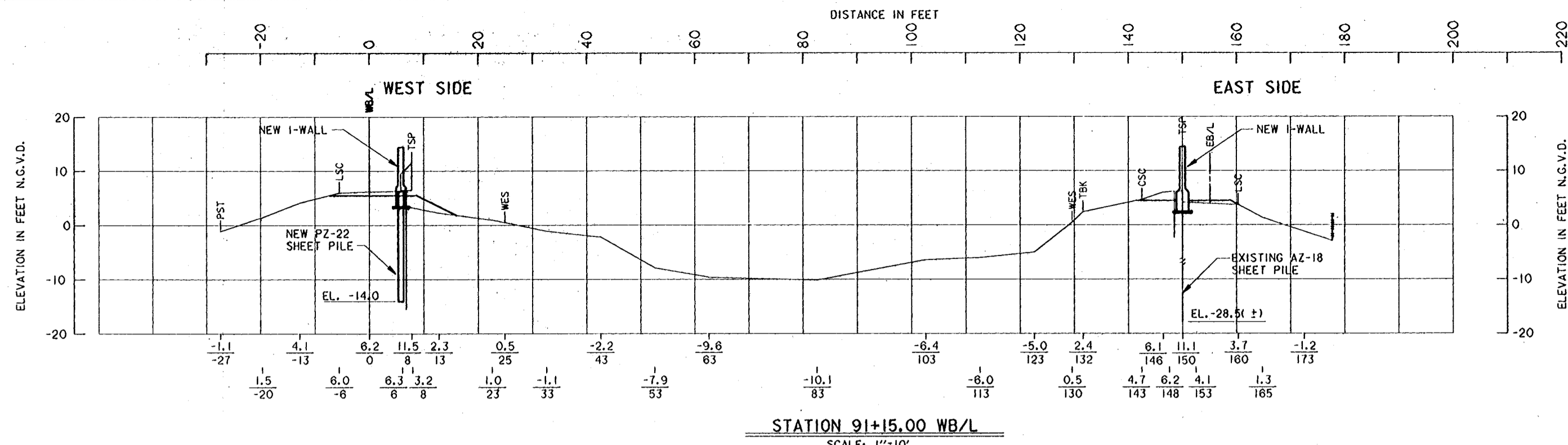
CROSS-SECTIONS PLOTTED FROM SURVEY DATA TAKEN IN MARCH, 1992.
ALL CROSS-SECTIONS ARE PLOTTED FROM THE WEST BASE LINE.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEER, ARCHITECT, PLANNER, ENVIRONMENTAL SCIENTIST NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
SURVEY DATA			
EXISTING AND NEW CONDITIONS			
DESIGNED BY: R.CHOPIN	DATE: 01/94	PLOT SCALE: 120	PLOT DATE: 01/29/94
DRAWN BY: BINH LE	CADD FILE: 402954.DGN	FILE NO. H-4-40295	
CHECKED BY: S.I.SHAH	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 64 OF 73
BURK-KLEINPETER, INC.			



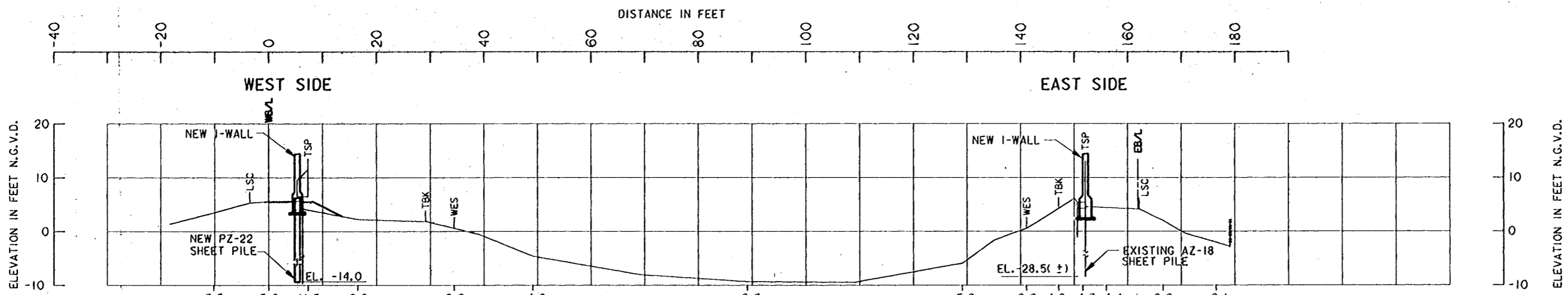
NOTE:
CROSS-SECTIONS PLOTTED FROM SURVEY DATA TAKEN IN MARCH, 1992.
FOR ABBREVIATIONS, SEE DWG. 64
ALL CROSS-SECTIONS ARE PLOTTED FROM THE WEST BASE LINE.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BVLD., EAST BANK ORLEANS PARISH, LOUISIANA			
SURVEY DATA			
EXISTING AND NEW CONDITIONS			
DESIGNED BY: R. CHOPIN	DATE: 01/94	PLOT SCALE: 120	PLOT DATE: 01/29/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029500.DGN	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL C. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 66 OF 73	

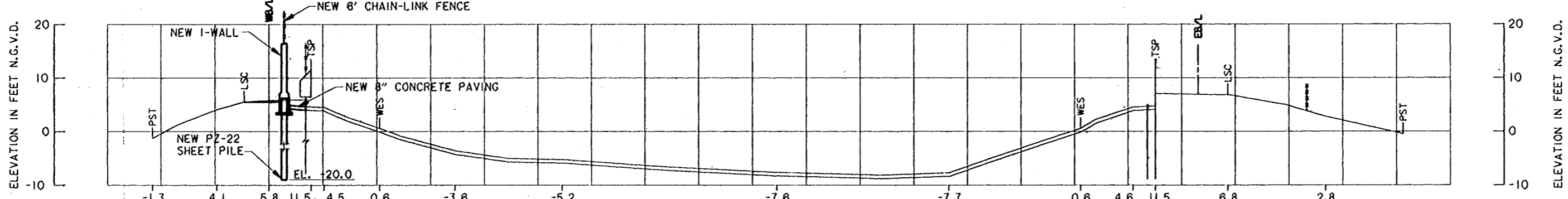


NOTE:
CROSS-SECTIONS PLOTTED FROM SURVEY DATA TAKEN IN MARCH, 1992.
FOR ABBREVIATIONS, SEE DWG. 64
ALL CROSS-SECTIONS ARE PLOTTED FROM THE WEST BASE LINE.

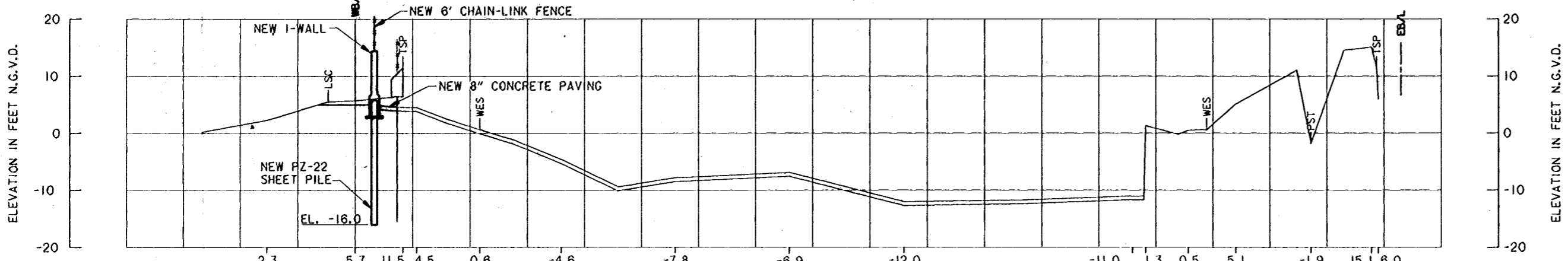
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA SURVEY DATA EXISTING AND NEW CONDITIONS			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 120	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH	CADD FILE: 4029587.004	FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 67 OF 73	



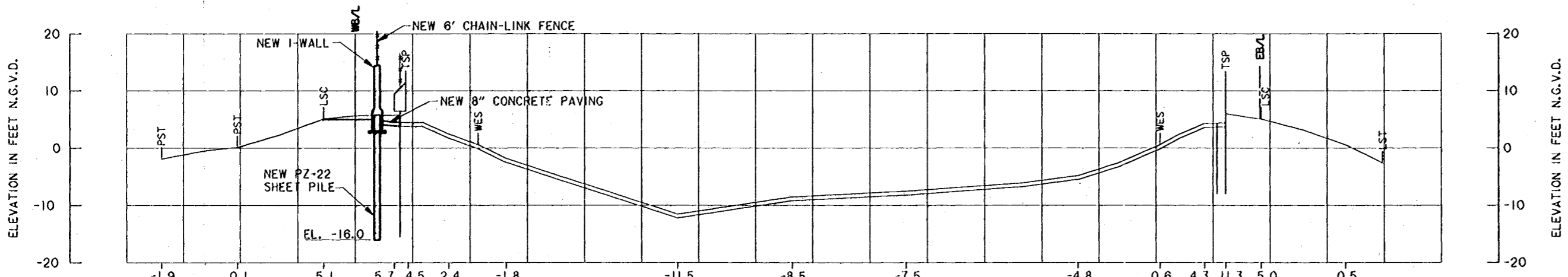
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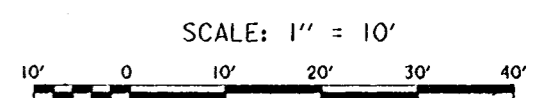
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SCALE: 1"=10'




STATION 101+14.61 WB/L
SCALE: 1"=10'



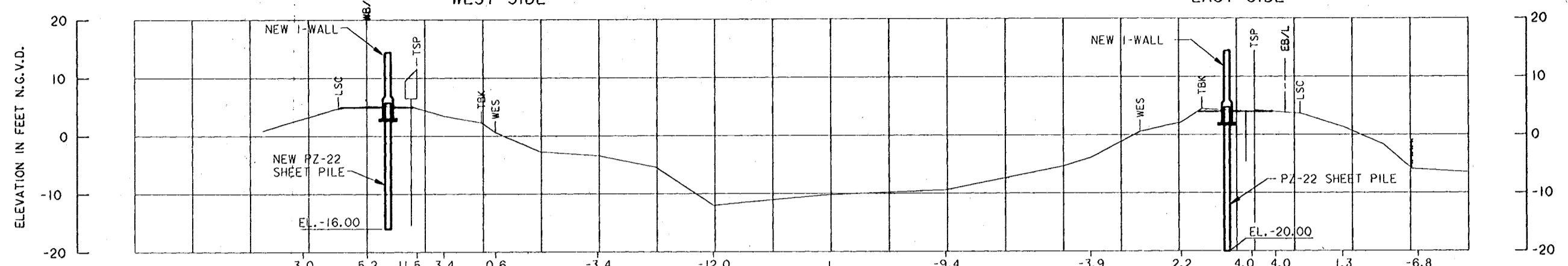
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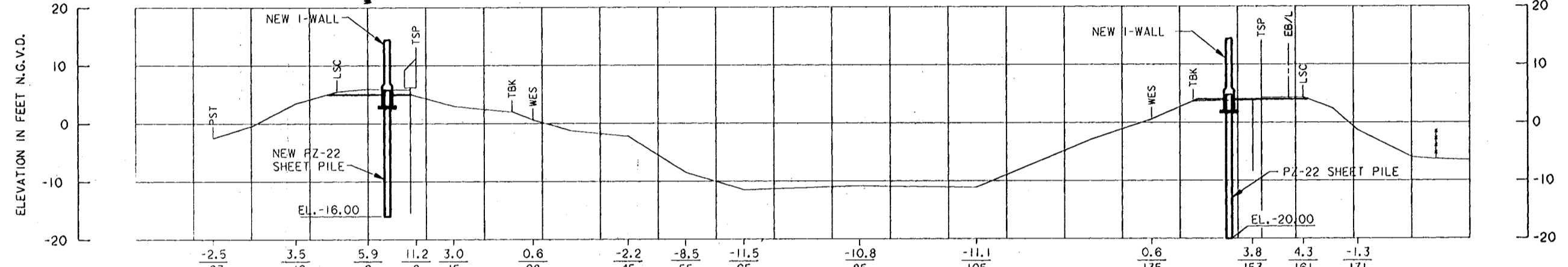
NOTE:
CROSS-SECTIONS PLOTTED FROM SURVEY
DATA TAKEN IN MARCH, 1992.
FOR ABBREVIATIONS, SEE DWG. 64
ALL CROSS-SECTIONS ARE PLOTTED
FROM THE WEST BASE LINE.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
SURVEY DATA EXISTING AND NEW CONDITIONS			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 120	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CADD FILE: 402958.DGN	FILE NO. H-4-40295	
CHECKED BY: S.I. SHAH	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	DWG. 68 OF 73
<small>BURK-KLEINPETER, INC.</small>			

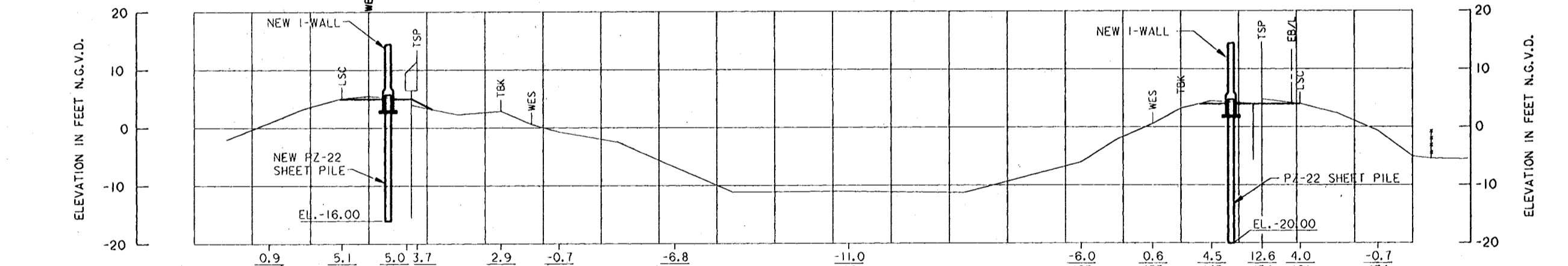
DISTANCE IN FEET



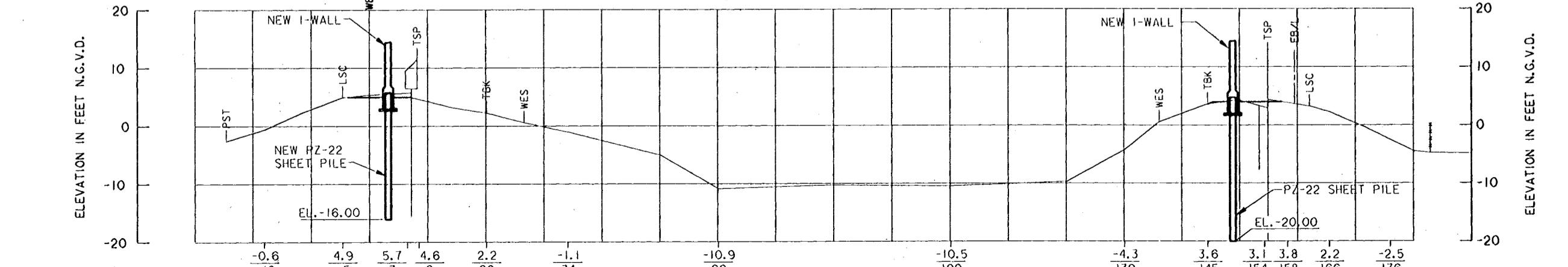
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SCALE: 1"=10'



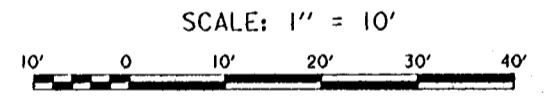
STATION 105+80.00 WB/L
SCALE: 1"=10'



STATION 107+80.00 WB/L
SCALE: 1"=10'

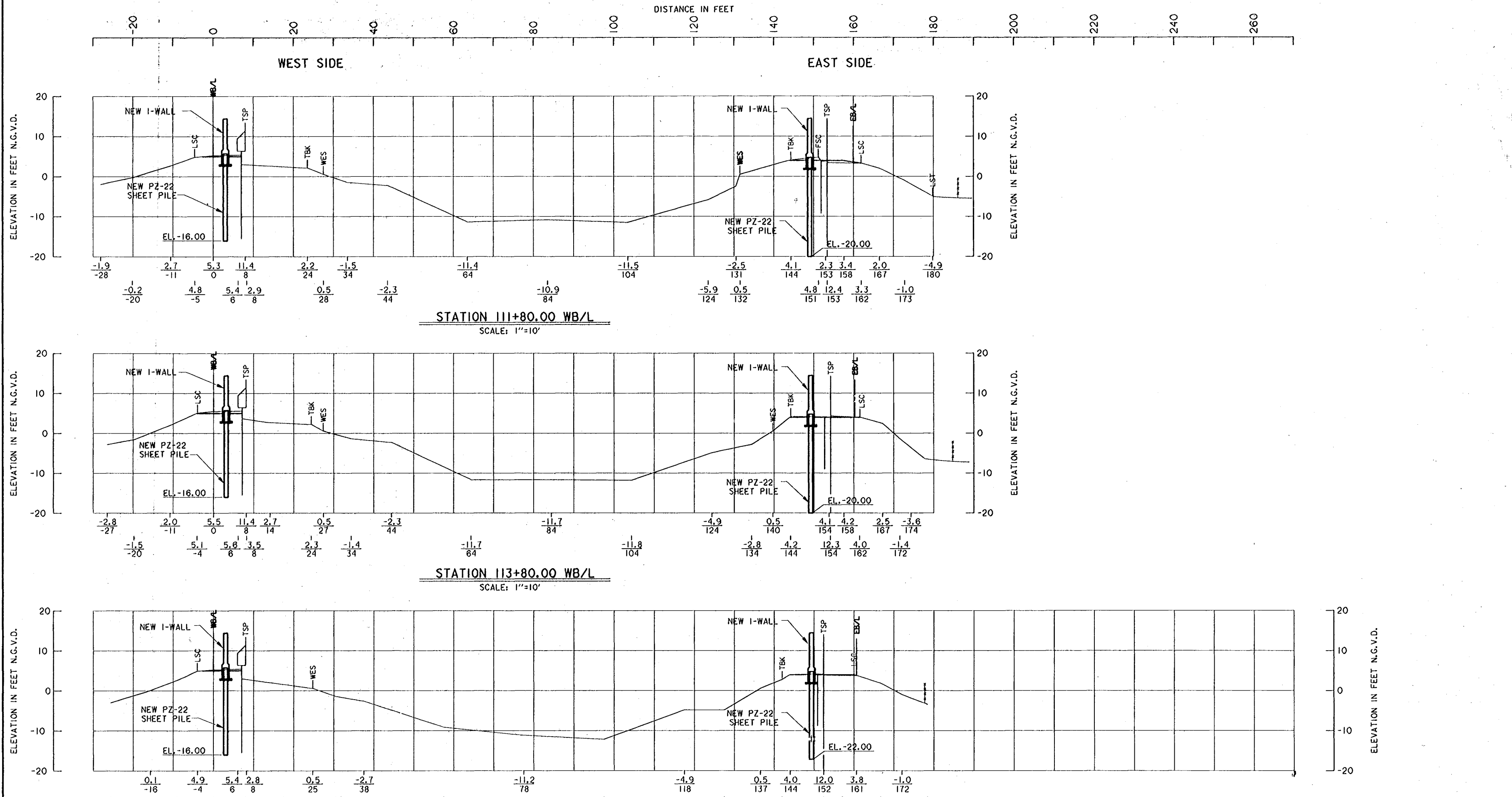


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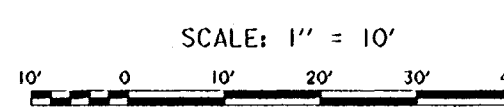


NOTE:
CROSS-SECTIONS PLOTTED FROM SURVEY
DATA TAKEN IN MARCH, 1992.
FOR ABBREVIATIONS, SEE DWG. 64
ALL CROSS-SECTIONS ARE PLOTTED
FROM THE WEST BASE LINE.

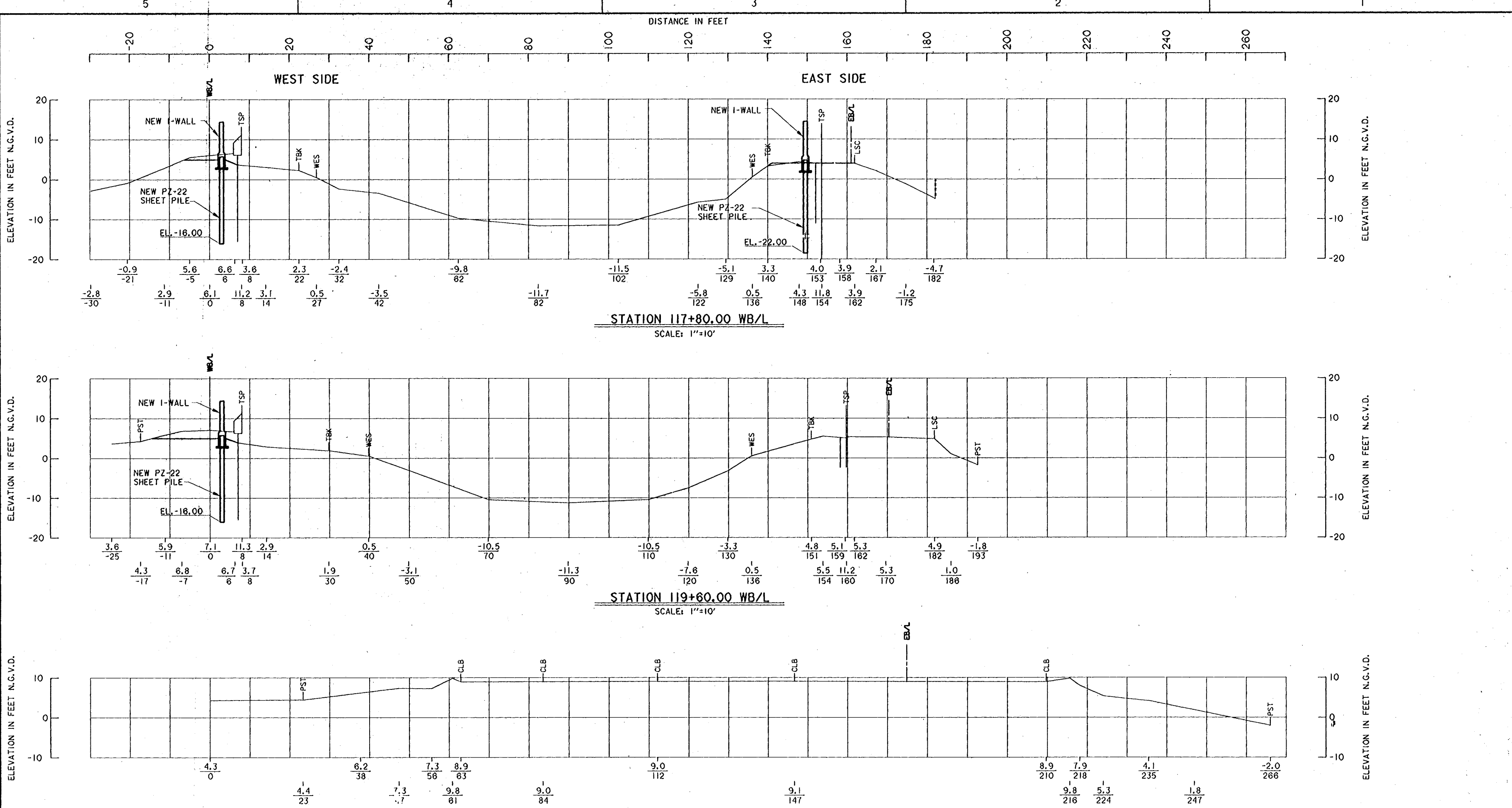
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BVLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA SURVEY DATA EXISTING AND NEW CONDITIONS			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 120	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CADD FILE: 4029589.DGN		FILE NO. H-4-40295
CHECKED BY: S.I. SHAH			DWG. 69 OF 73
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047		
<small>BURK-KLEINPETER, INC.</small>			



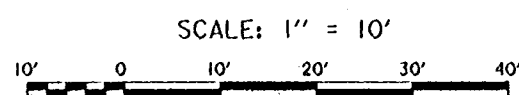
NOTE:
 CROSS-SECTIONS PLOTTED FROM SURVEY DATA TAKEN IN MARCH, 1992.
 FOR ABBREVIATIONS, SEE DWG. 64
 ALL CROSS-SECTIONS ARE PLOTTED FROM THE WEST BASE LINE.



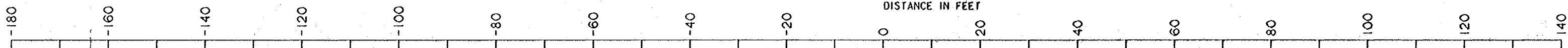
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA			
SURVEY DATA EXISTING AND NEW CONDITIONS			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 120	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S. I. SHAH		FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047		DWG. 70 OF 73
<small>BURK-KLEINPETER, INC.</small>			



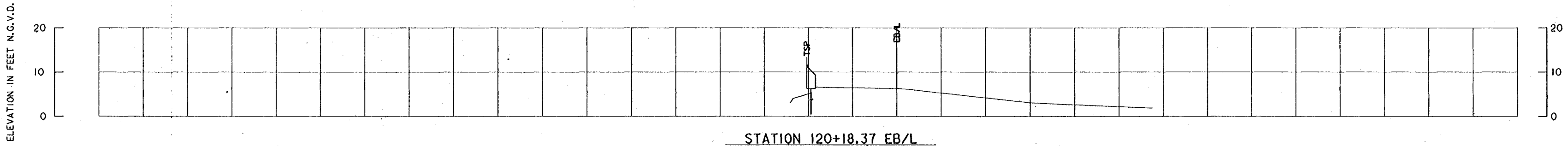
NOTE:
 CROSS-SECTIONS PLOTTED FROM SURVEY DATA TAKEN IN MARCH, 1992.
 FOR ABBREVIATIONS, SEE DWG. 64
 ALL CROSS-SECTIONS ARE PLOTTED FROM THE WEST BASE LINE.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BYLD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA SURVEY DATA EXISTING AND NEW CONDITIONS			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 120	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CADD FILE: 4029571.DGN	FILE NO. H-4-40295	
CHECKED BY: S.I. SHAH	SUBMITTED BY: MICHAEL G. JACKSON, P.E.	SOLICITATION NO. DACW29-94-B-0047	
<small>BURK - KLEINPETER, INC.</small>		DWG. 71 OF 73	

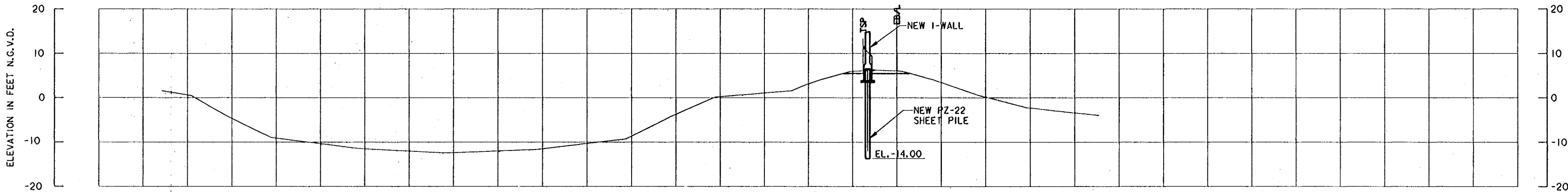


EAST SIDE



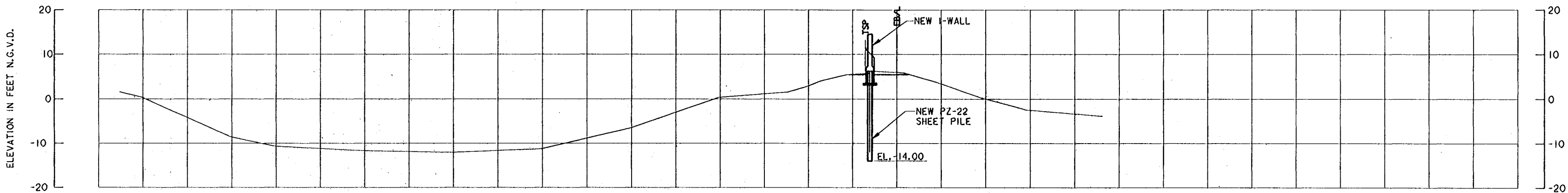
STATION 120+18.37 EB/L

SCALE: 1"=10'



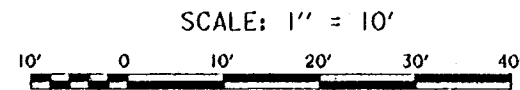
STATION 120+80.00 EB/L

SCALE: 1"=10'



STATION 122+80.31 EB/L

SCALE: 1"=10'

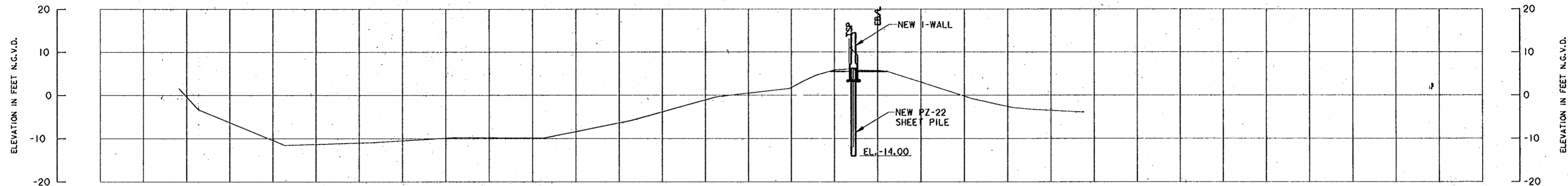


NOTE:
 CROSS-SECTIONS PLOTTED FROM SURVEY
 DATA TAKEN IN MARCH, 1992.
 FOR ABBREVIATIONS, SEE DWG. 64
 ALL CROSS-SECTIONS ARE PLOTTED
 FROM THE WEST BASE LINE.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA SURVEY DATA EXISTING AND NEW CONDITIONS			
DESIGNED BY: R.CHOPIN	DATE: 02/94	PLOT SCALE: 120	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CADD FILE: 4029972.DGN	FILE NO. H-4-40295	
CHECKED BY: S.I.SHAH	SOLICITATION NO. DACW29-94-B-0047		
SUBMITTED BY: MICHAEL G. JACKSON, P.E.		DWG. 72 OF 73	
<small>BURK-KLEINPETER, INC.</small>			

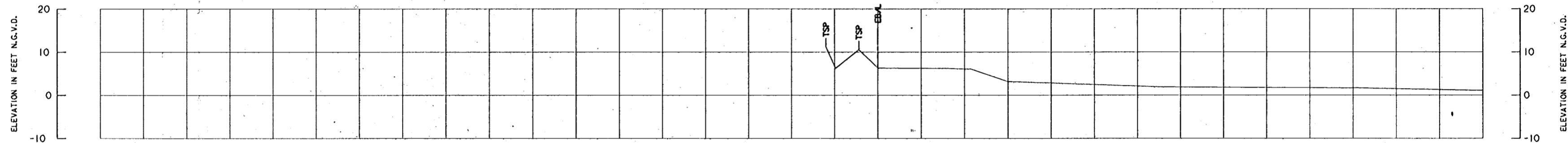
DISTANCE IN FEET

EAST SIDE



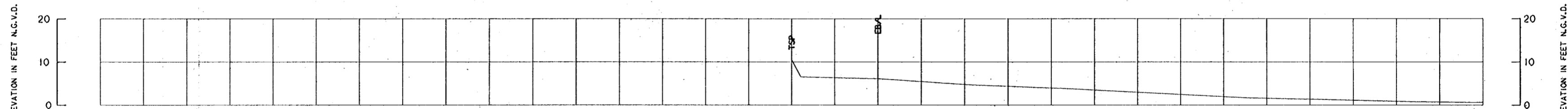
STATION 124+80.55 EB/L

SCALE: 1"=10'



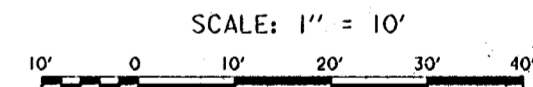
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SCALE: 1"=10'




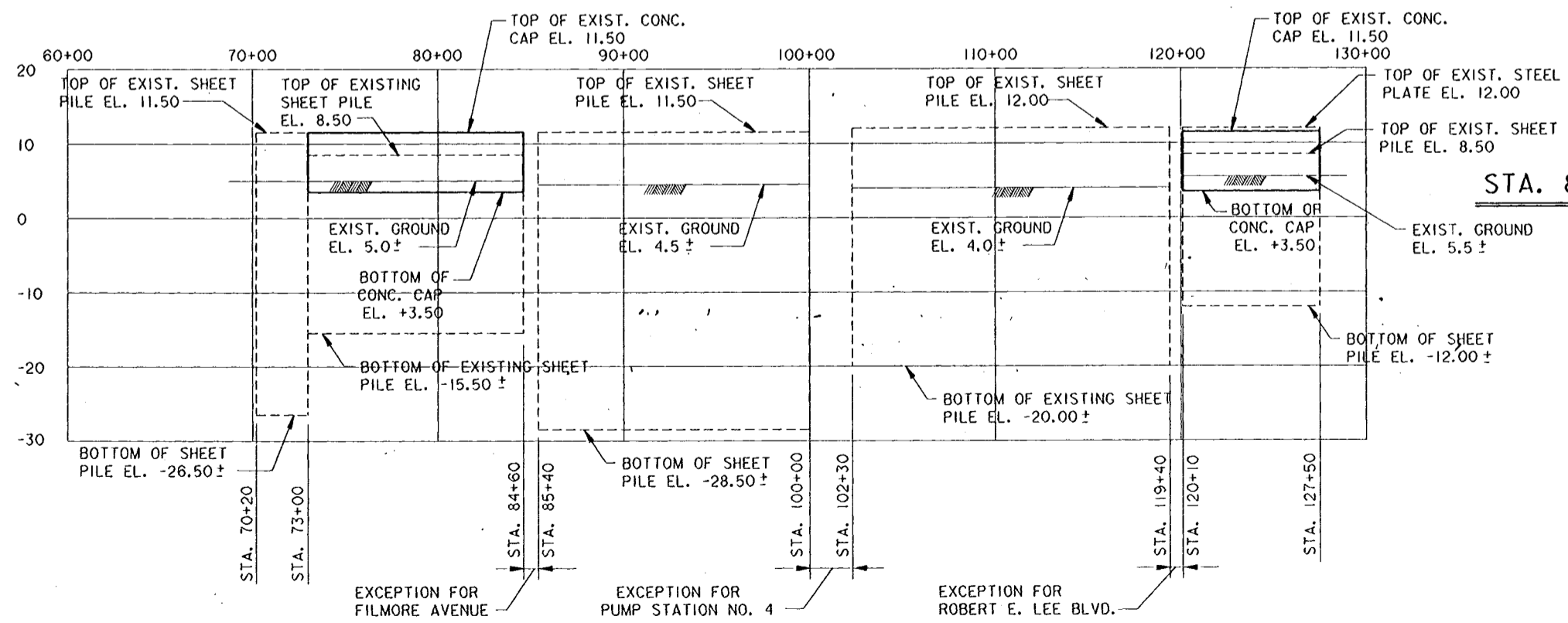
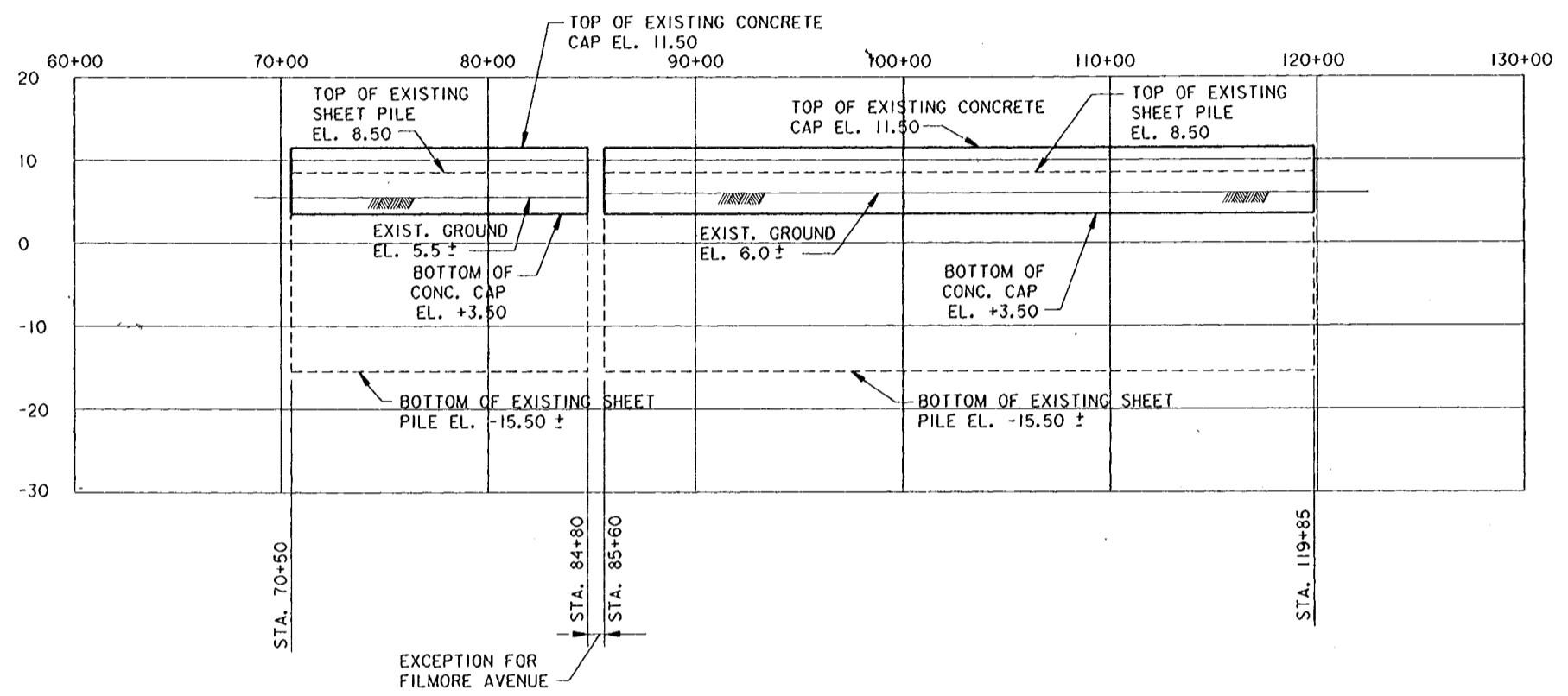
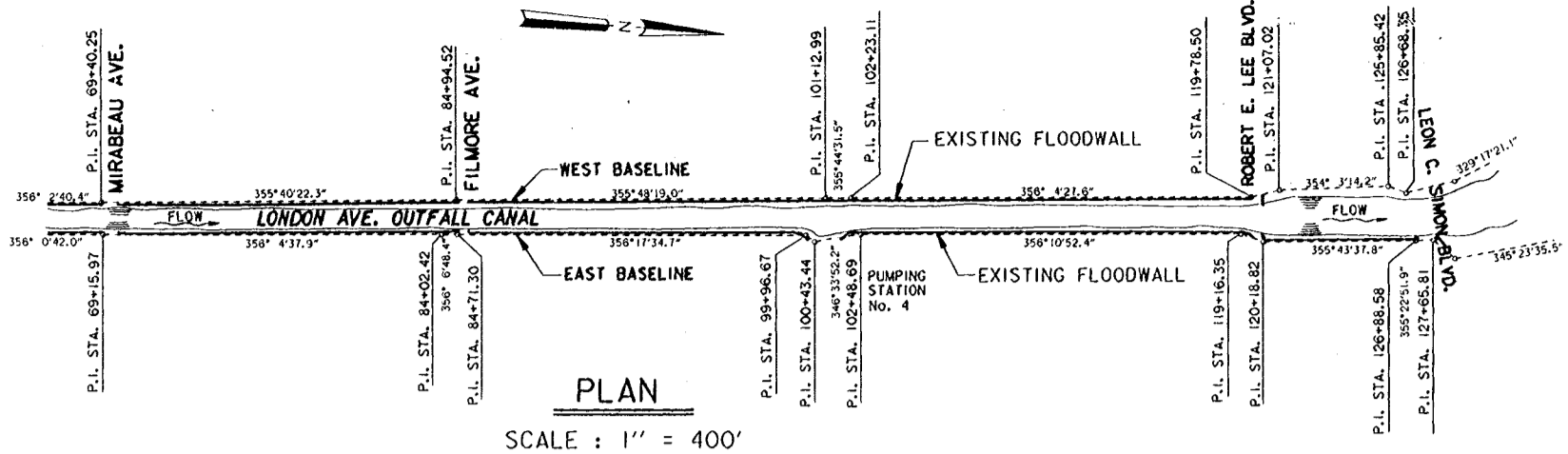
STATION 128+18.87 EB/L

SCALE: 1"=10'



NOTE:
 CROSS-SECTIONS PLOTTED FROM SURVEY DATA TAKEN IN MARCH, 1992.
 FOR ABBREVIATIONS, SEE DWG. 84
 ALL CROSS-SECTIONS ARE PLOTTED FROM THE WEST BASE LINE.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. <small>ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS</small> NEW ORLEANS, LOUISIANA		GOTECH, INC. <small>CONSULTING ENGINEERS</small> BATON ROUGE, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA SURVEY DATA EXISTING AND NEW CONDITIONS			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 120	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CADD FILE: 402993.DGN	FILE NO. H-4-40295	
CHECKED BY: S.I. SHAH	SOLICITATION NO. DACW29-94-B-0047		DWG. 73 OF 73
SUBMITTED BY: MICHAEL G. JACKSON, P.E. BURK-KLEINPETER, INC.			

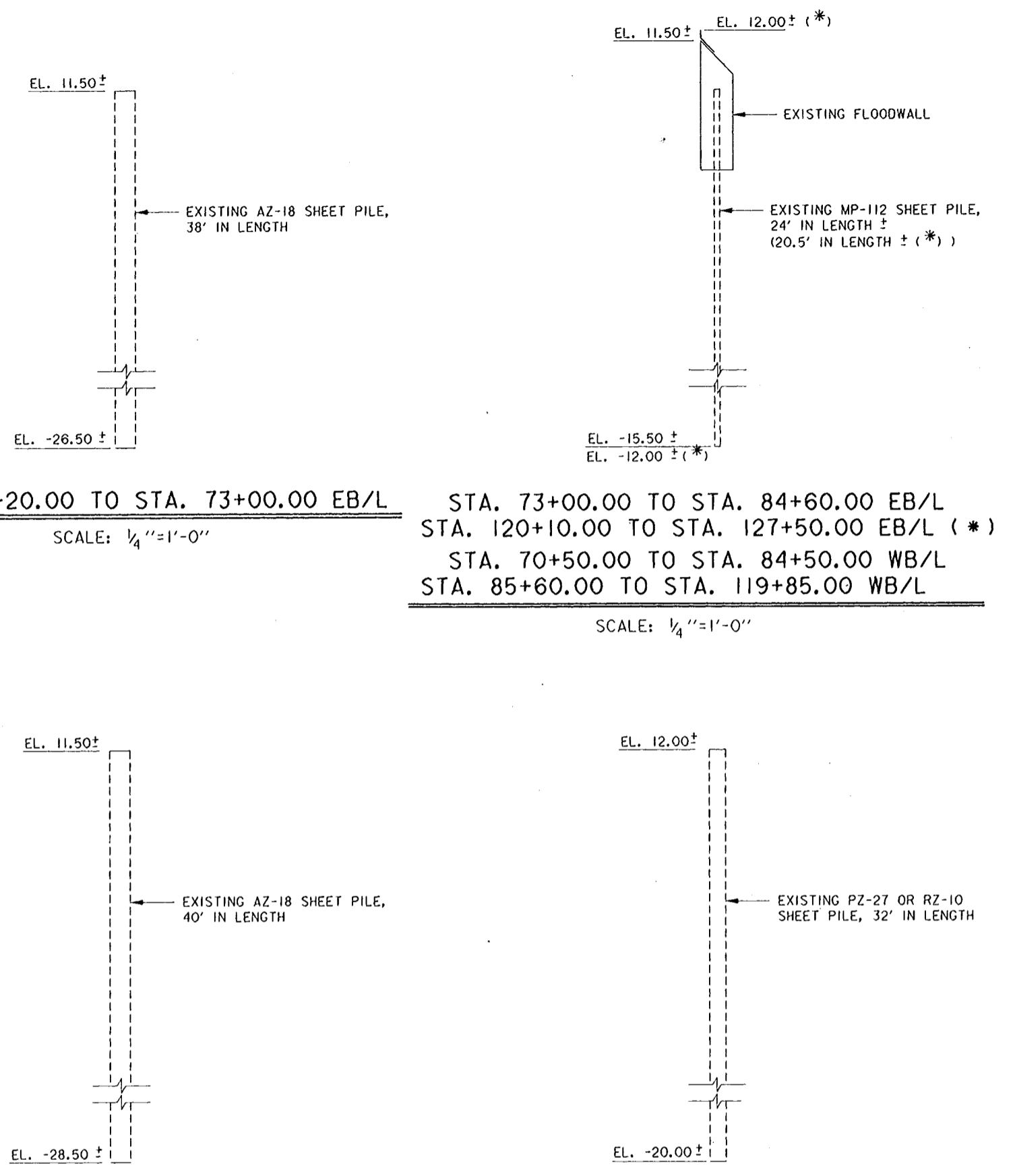


STA. 70+20.00 TO STA. 73+00.00 EB/L
SCALE: 1/4" = 1'-0"

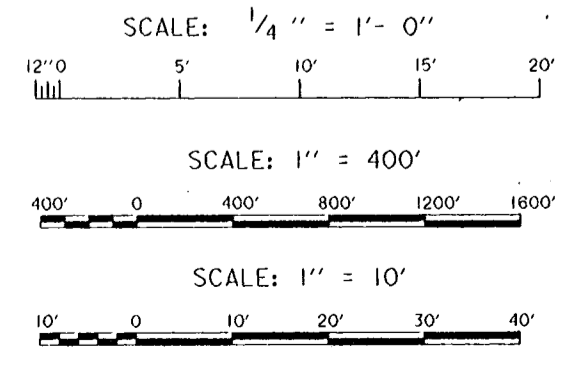
STA. 73+00.00 TO STA. 84+60.00 EB/L
STA. 120+10.00 TO STA. 127+50.00 EB/L (*)
STA. 70+50.00 TO STA. 84+50.00 WB/L
STA. 85+60.00 TO STA. 119+85.00 WB/L
SCALE: 1/4" = 1'-0"

STA. 85+40.00 TO STA. 100+00.00 EB/L
SCALE: 1/4" = 1'-0"

STA. 102+30.00 TO STA. 119+40.00 EB/L
SCALE: 1/4" = 1'-0"



Safety is a Part of Your Contract



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BURK - KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS NEW ORLEANS, LOUISIANA		GOTECH, INC. CONSULTING ENGINEERS BATON ROUGE, LOUISIANA	
LAKE PONCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN LONDON AVE. OUTFALL CANAL, PARALLEL PROTECTION MIRABEAU AVE. TO ROBERT E. LEE BLVD., WEST BANK MIRABEAU AVE. TO LEON C. SIMON BLVD., EAST BANK ORLEANS PARISH, LOUISIANA EXISTING FLOODWALLS- PLAN & PROFILE			
DESIGNED BY: R. CHOPIN	DATE: 02/94	PLOT SCALE: 4800	PLOT DATE: 02/04/94
DRAWN BY: BINH LE	CHECKED BY: S.I. SHAH		FILE NO. H-4-40295
SUBMITTED BY: MICHAEL G. JACKSON, P.E.		SOLICITATION NO. DACW29-94-B-0047	DWG. RI OF RI

