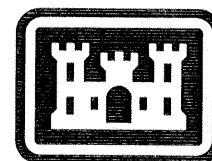


Safety is a Part  
of Your Contract

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

PARALLEL PROTECTION  
PHASE II-C  
(WEST SIDE) FLOODWALL

PRELIMINARY  
SUBJECT TO CHANGE



US Army Corps  
of Engineers  
New Orleans District

1994

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

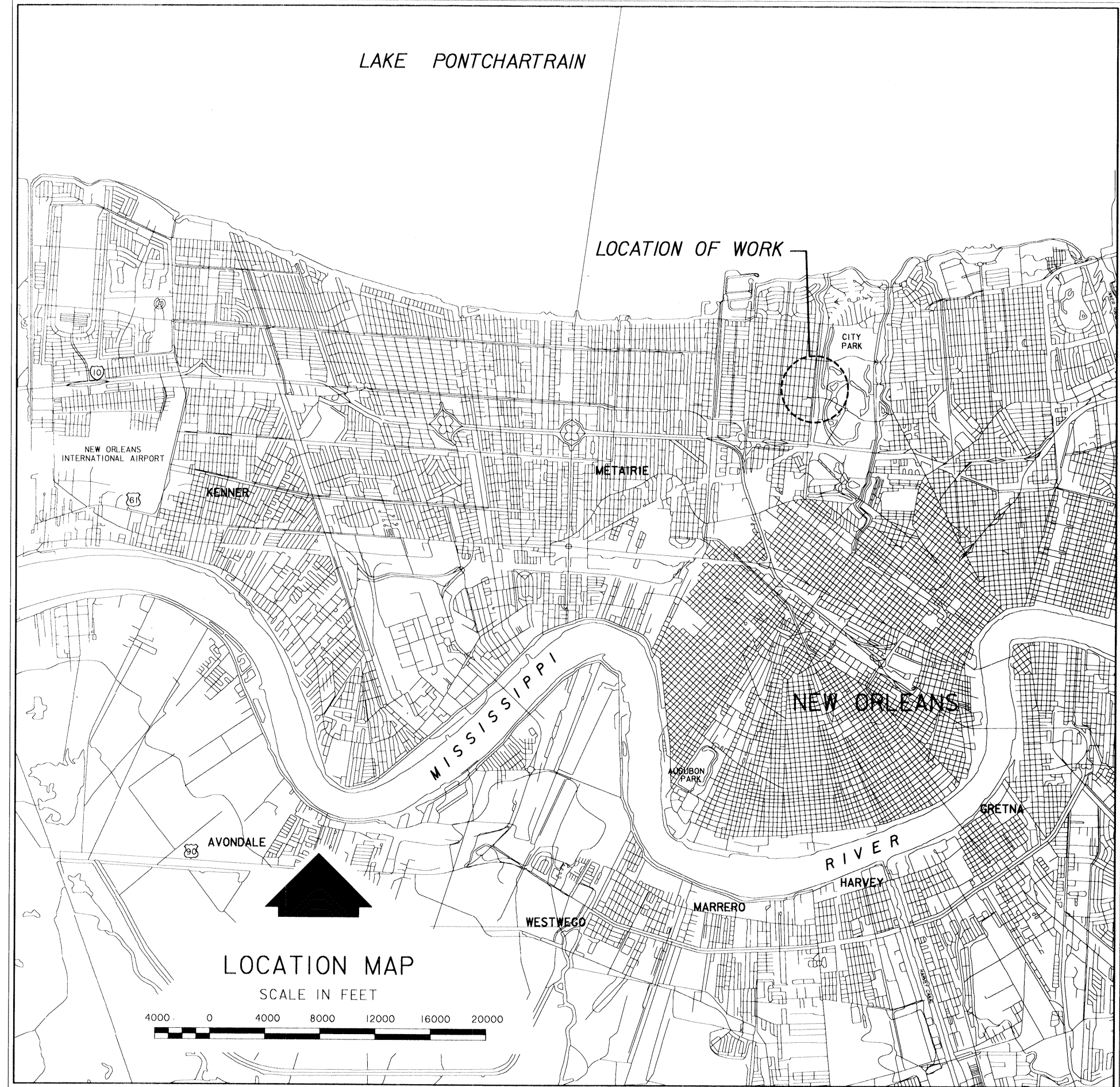


40393D13.DGN

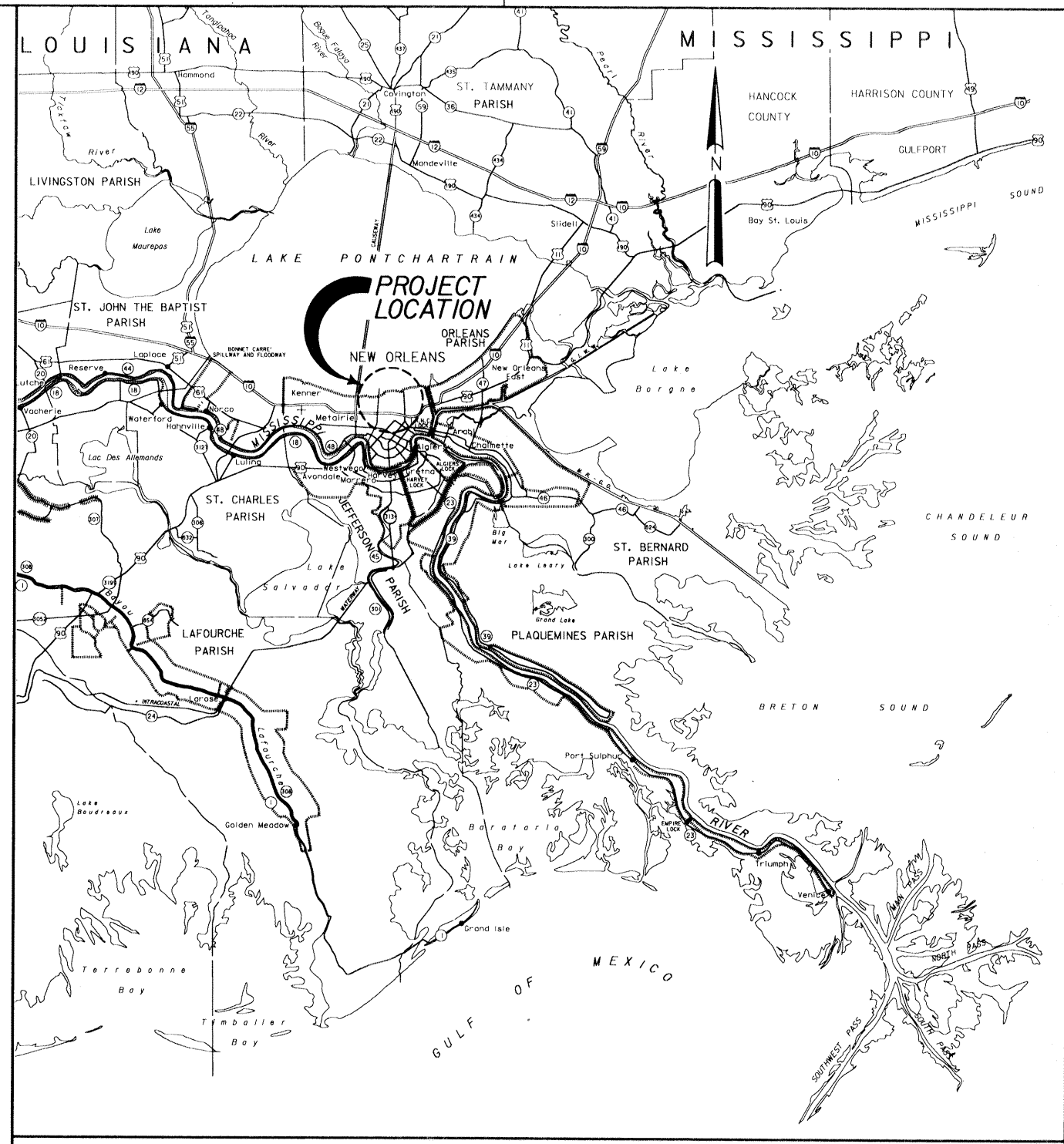
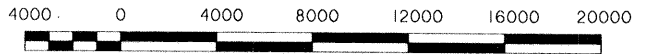


H-4-40393

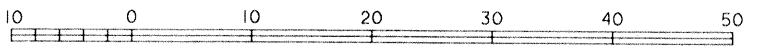
Safety is a Part of Your Contract



LOCATION MAP  
SCALE IN FEET



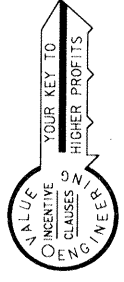
VICINITY MAP  
SCALE IN MILES



TABULATION OF BENCH MARKS		
DESIGNATION	DESCRIPTION	ELEVATION
"CHRYSLER RM".	AT NEW ORLEANS, ABOUT 0.45 MILES EAST ALONG LAKESHORE DRIVE FROM JUNCTION OF CANAL BOULEVARD, 125 YARDS NORTHWEST OF THE NORTHWEST CORNER OF LAKESHORE DRIVE BRIDGE OVER ORLEANS CANAL, SET IN THE TOP OF THE CONCRETE SEA WALL ALONG SHORE OF LAKE PONTCHARTRAIN, 33 FEET NORTHEAST OF THE NORTH ONE OF A GROUP OF PALM TREES, 66 FEET WEST OF CHRYSLER STATION DESCRIBED, 270 FEET NORTH OF THE CENTER LINE OF LAKESHORE DRIVE AND ABOUT 2 FEET ABOVE THE LEVEL OF THE DRIVE.	EL. 7.11 N.G.V.D. (1983 EPOCH)



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



INDEX TO DRAWINGS

DWG.	TITLE	DWG.	TITLE	DWG.	TITLE
1	INDEX, LOCATION, AND VICINITY MAP	20	IMPROVEMENTS-SOUTH OF FILMORE AVE.	38	WALL ARCHITECTURAL TREATMENT - DETAILS
2	GENERAL NOTES	21	TYPICAL SECTIONS - STA. 100+40.26 W/L - STA. 103+52.32 W/L	39	MISCELLANEOUS DETAILS
3	PLAN AND PROFILE-STA. 100+00.0 W/L TO STA. 103+90.01 W/L	22	TYPICAL SECTIONS - STA. 200+31.28 W/L - STA. 207+33.32 W/L AND STA. 300+00.00 - STA. 312+49.33 W/L	40	RETAINING WALL CLOSURE VICINITY STA. 63+44 W B/L
4	PLAN AND PROFILE-STA. 200+00.0 W/L TO STA. 207+33.32 W/L	23	TYPICAL SECTIONS - STA. 312+88.00 W/L - STA. 326+53.35 W/L	41	SOIL BORINGS
5	PLAN AND PROFILE-STA. 300+00.0 W/L TO STA. 306+00.0 W/L	24	SHEET PILE DETAILS	42	SOIL BORINGS
6	PLAN AND PROFILE-STA. 306+00.0 W/L TO STA. 313+00.0 W/L	25	PILING AND MONOLITH DETAILS	43	SOIL BORINGS
7	PLAN AND PROFILE-STA. 313+00.0 W/L TO STA. 320+00.0 W/L	26	CONCRETE PILE DETAILS	44	SOIL BORING LEGEND
8	PLAN AND PROFILE-STA. 320+00.0 W/L TO STA. 326+53.37 W/L	27	WALL REINFORCING	44A	BORROW AREA
9	PARTIAL PLAN VICINITY STA. 100+00.0 W/L	28	WALL REINFORCING VICINITY 30" WATER LINE	45	RIGHTS OF WAY
10	PARTIAL PLAN VICINITY STA. 103+90.01 W/L	29	TYPICAL WALL JOINTS	46	RIGHTS OF WAY
11	PARTIAL PLAN VICINITY STA. 200+00.0 W/L	30	TYPICAL WALL JOINTS	47	CROSS SECTIONS
12	EXCAVATION PLAN-VIC. STA. 100+40.26 W/L, STA. 103+52.32 W/L	31	TYPICAL JOINT DETAILS	48	CROSS SECTIONS
13	EXCAVATION PLAN-VIC. STA. 200+31.28 W/L	32	JOINT REINFORCEMENT DETAILS	49	CROSS SECTIONS
14	EXCAVATION PLAN-SOUTH OF HARRISON AVE.	33	MONOLITH AND WALL TREATMENT LAYOUT	50	CROSS SECTIONS
15	EXCAVATION PLAN-NORTH OF HARRISON AVE.	34	MONOLITH AND WALL TREATMENT LAYOUT	51	CROSS SECTIONS
16	EXCAVATION PLAN-SOUTH OF FILMORE AVE.	35	WALL ARCHITECTURAL TREATMENT - LAYOUT AND DETAILS		
17	IMPROVEMENTS-SOUTH OF HARRISON AVE.	36	WALL ARCHITECTURAL TREATMENT - LAYOUT AND DETAILS		
18	IMPROVEMENTS-NORTH OF HARRISON AVE.	37	WALL ARCHITECTURAL TREATMENT - SECTIONS		
19	PLAN, ELEVATION, AND SECTION - VICINITY 30" WATER LINE				

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>INDEX, LOCATION, AND VICINITY MAP</b>			
DESIGNED BY: M. DESAI	SOLICITATION NO. DAQW29-95-B-0035	CADD FILE: 40393d14.dgn	
DRAWN BY: B. DORCEY	APPROVED BY: [Signature]	PLOT DATE: NOV. 94	PLOT SCALE: 4800
CHECKED BY: J. ROMERO	DATE: NOV. 94	FILE NO. H-4-40393	
SUBMITTED BY: [Signature]		APPROVED BY: [Signature]	
CHIEF, STRUCTURES BRANCH		COLONEL, C. E. DISTRICT ENGINEER	

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**GENERAL NOTES:**

1. AZIMUTHS SHOWN ARE MEASURED CLOCKWISE FROM THE SOUTH.
2. ELEVATIONS ARE IN FEET AND REFER TO NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.).
3. DIMENSIONS AND/OR ELEVATIONS MARKED THUS (±) ARE APPROXIMATE. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS IN THE FIELD.
4. DIMENSIONS AND/OR ELEVATIONS MARKED THUS (N.T.S.) ARE NOT SHOWN TO SCALE.
5. DRAWINGS ARE GENERALLY TO SCALE, BUT SHOULD NOT BE SCALED. N.T.S. IS SHOWN ONLY WHERE DRAWING IS OBVIOUSLY OUT OF SCALE.
6. BENCH MARKS AND BASE LINES HAVE BEEN ESTABLISHED AT THE SITE BY THE GOVERNMENT.
7. FOR BORING LOGS, SEE DWGS. 41, 42, AND 43.

**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.

**CONCRETE NOTES:**

1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH ( $F'_c$ ) 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 ( $F_y$ ) 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 INTEGRITY OF THE CONCRETE STRUCTURE. CONSTRUCTION JOINT LOCATIONS SHALL BE APPROVED BY THE CONTRACTING OFFICER.
5. UNLESS OTHERWISE NOTED, PROVIDE 3/4" CHAMFER AT ALL EXPOSED JOINTS, EDGES, EXTERNAL CORNERS, 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.
13. FOR "T-WALL" CONCRETE PLACEMENT, THE CONTRACTOR SHALL EITHER PLACE A CONSTRUCTION JOINT AT APPROXIMATELY MID-WALL HEIGHT OR SHALL EMPLOY TEMPORARY "WINDOWS" IN THE FORMS TO FACILITATE CONCRETE PLACEMENT AND CONSOLIDATION.

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	56	94	72	58	45	75	58
11	89	68	116	89	71	55	92	71

**NOTES:**

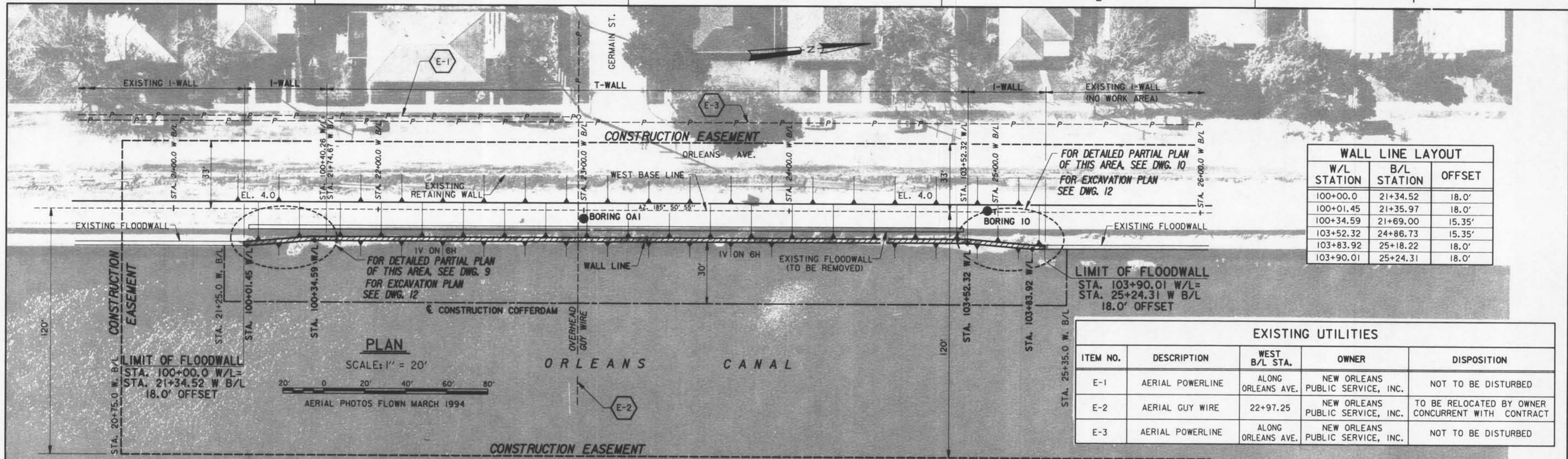
1. USE THE BASIC TABLE IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
  - A) CENTER TO CENTER BAR SPACING LATERALLY IS AT LEAST 4 BAR DIAMETERS
  - B) CONCRETE COVER IS AT LEAST 2 BAR DIAMETERS, AND
  - C) EDGE DISTANCE TO THE FIRST BAR IN A LAYER IS AT LEAST 2 BAR DIAMETERS.
2. THE ALTERNATE TABLE MAY 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 LIGHTWEIGHT CONCRETE OR EPOXY COATED BARS ARE USED, SEE ACI 318 FOR ADDITIONAL CONSIDERATIONS.

**ABBREVIATIONS**

- W B/L = BASELINE
- BF = BOTTOM FACE
- BL = BOTTOM LAYER
- C = CENTER
- C.I. = CAST IRON
- CJ = CONSTRUCTION JOINT
- CL = CLEAR COVER
- C/L OR CL = 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.MH = 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. = SEWER CLEANOUT
- S.F.C. = SPECIAL FABRICATED CONNECTION
- ST.HK. = STANDARD HOOK
- STA. = STATION
- T = TELEPHONE
- TF = TOP FACE
- TEL.MH = 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

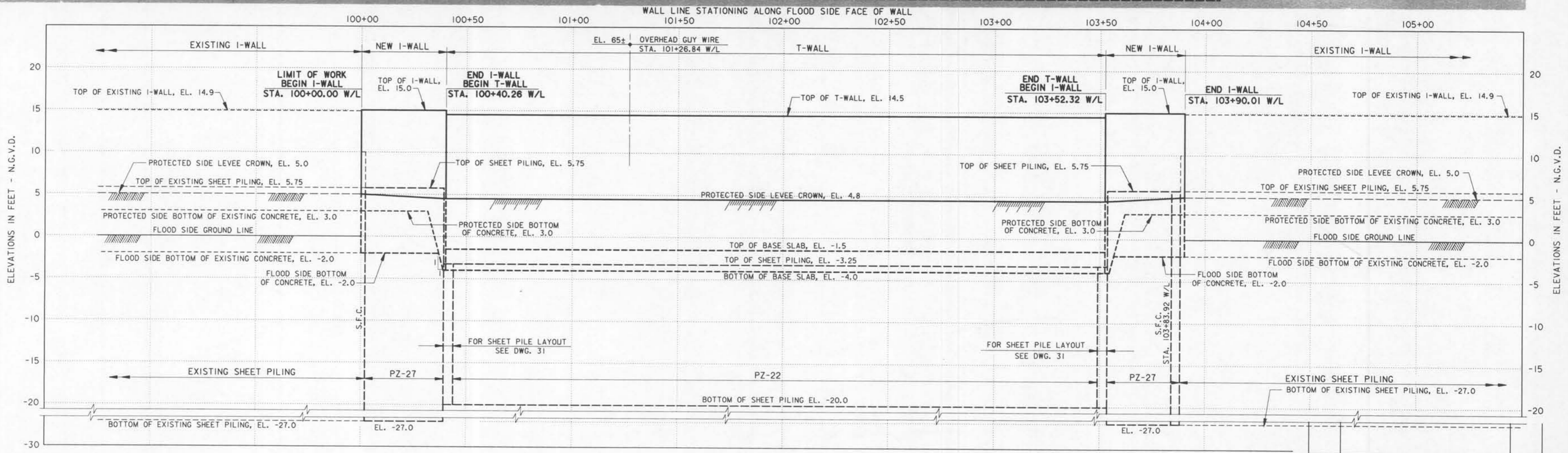


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>GENERAL NOTES</b>			
DESIGNED BY: M.DESAI	DATE: NOV. 94	PLOT SCALE: 1	PLOT DATE: NOV. 94
DRAWN BY: B.DORCEY	CHECKED BY: J.ROMERO	CADD FILE: 40393d08.DGN	FILE NO. H-4-40393
SUBMITTED BY: J.ROMERO	SOLICITATION NO. DACW29-95-B-0035	DESIGN ENGINEER	DWG. 2 OF 51



W/L STATION	B/L STATION	OFFSET
100+00.0	21+34.52	18.0'
100+01.45	21+35.97	18.0'
100+34.59	21+69.00	15.35'
103+52.32	24+86.73	15.35'
103+83.92	25+18.22	18.0'
103+90.01	25+24.31	18.0'

ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-1	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
E-2	AERIAL GUY WIRE	22+97.25	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED BY OWNER CONCURRENT WITH CONTRACT
E-3	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED



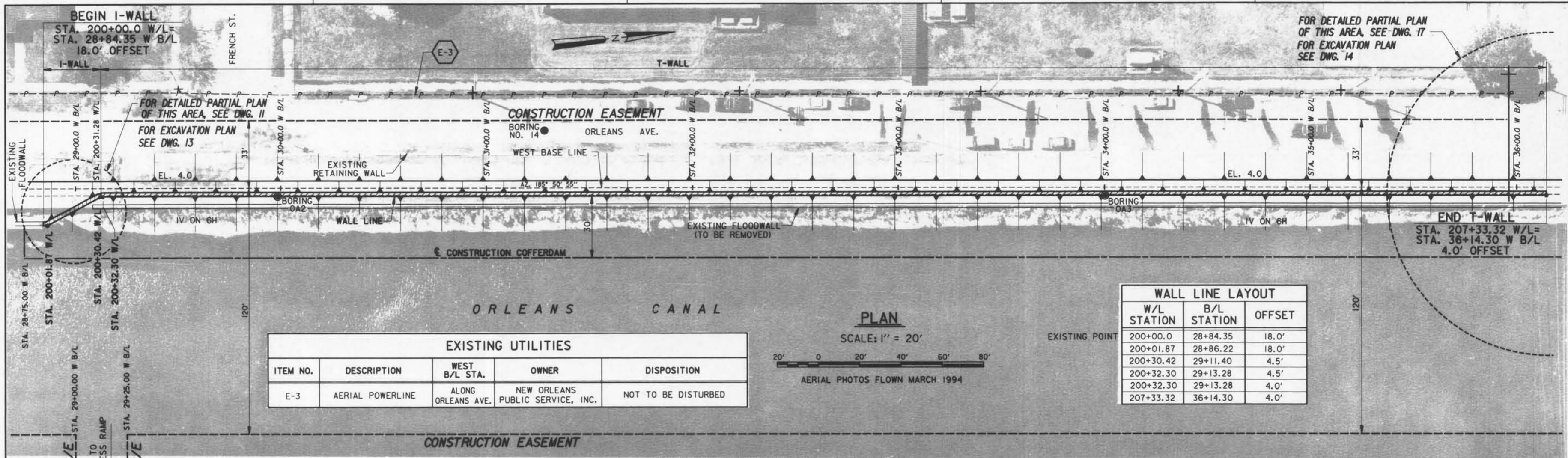
**PROFILE**  
SCALE: HOR. 1" = 20'  
VERT. 1" = 5'

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>PLAN AND PROFILE</b> <b>STA. 100+00.0 W/L TO STA. 103+90.01 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 240	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393040.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 3	OF 51
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		

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of Your Contract

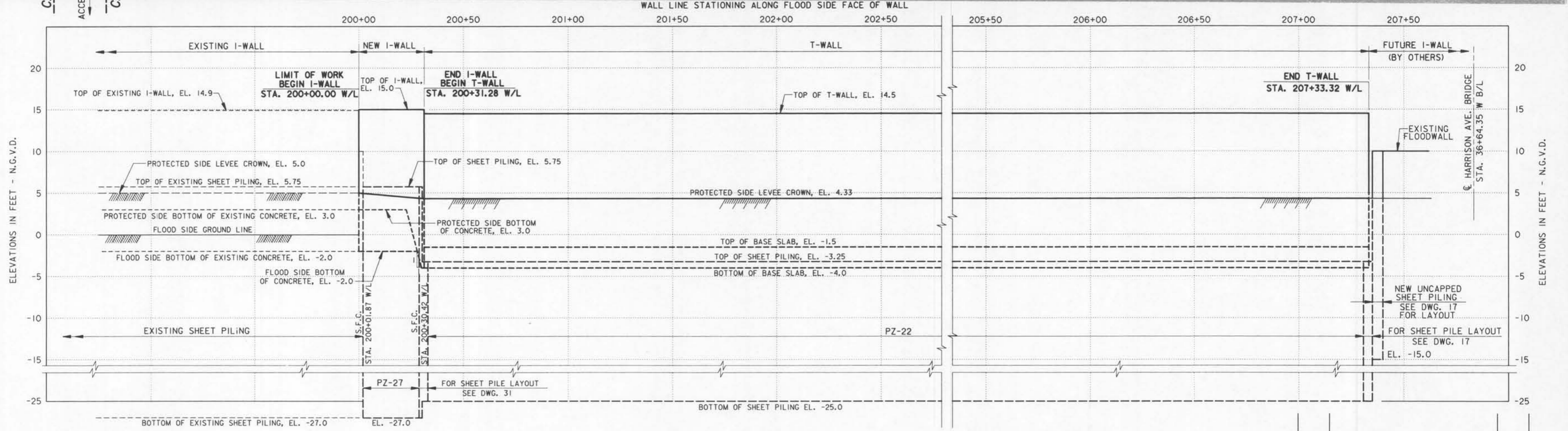


BORING NO. 12  
STA. 28+38 W B/L



EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-3	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED

WALL LINE LAYOUT		
W/L STATION	B/L STATION	OFFSET
200+00.0	28+84.35	18.0'
200+01.87	28+86.22	18.0'
200+30.42	29+11.40	4.5'
200+32.30	29+13.28	4.5'
200+32.30	29+13.28	4.0'
207+33.32	36+14.30	4.0'



**PROFILE**  
SCALE: HOR. 1" = 20'  
VERT. 1" = 5'

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>PLAN AND PROFILE</b> <b>STA. 200+00.0 W/L TO STA. 207+33.32 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 240	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CHECKED BY: J. ROMERO	CADD FILE: 40393a41.DGN	FILE NO. H-4-40393
SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 4 OF 51	

**Safety is a Part of Your Contract**



BEGIN T-WALL  
 STA. 300+00.0 W/L=  
 STA. 37+12.85 W B/L  
 4.0' OFFSET

HARRISON AVE. BRIDGE  
 STA. 36+64.35 W B/L

CONSTRUCTION EASEMENT  
 STA. 36+76.35 W B/L

STA. 37+00.0 W B/L

BORING NO. 16

STA. 38+00.0 W B/L

BORING NO. 18

STA. 39+00.0 W B/L

STA. 40+00.0 W B/L

BORING 3-OUW

STA. 40+00.0 W B/L

BORING NO. 18

STA. 42+00.0 W B/L

STA. 43+00.0 W B/L

MATCH LINE STA. 306+00.00 W/L

CONSTRUCTION EASEMENT

ORLEANS AVE.

WEST BASE LINE

AZ. 185° 50' 35"

EL. 4.0

IV ON 6H

EXISTING RETAINING WALL

WALL LINE

EXISTING FLOODWALL (TO BE REMOVED)

IV ON 6H

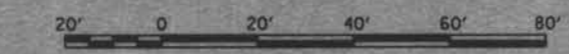
CONSTRUCTION COFFERDAM

ORLEANS CANAL

FOR DETAILED PARTIAL PLAN OF THIS AREA, SEE DWG. 18 FOR EXCAVATION PLAN SEE DWG. 15

PLAN

SCALE: 1" = 20'

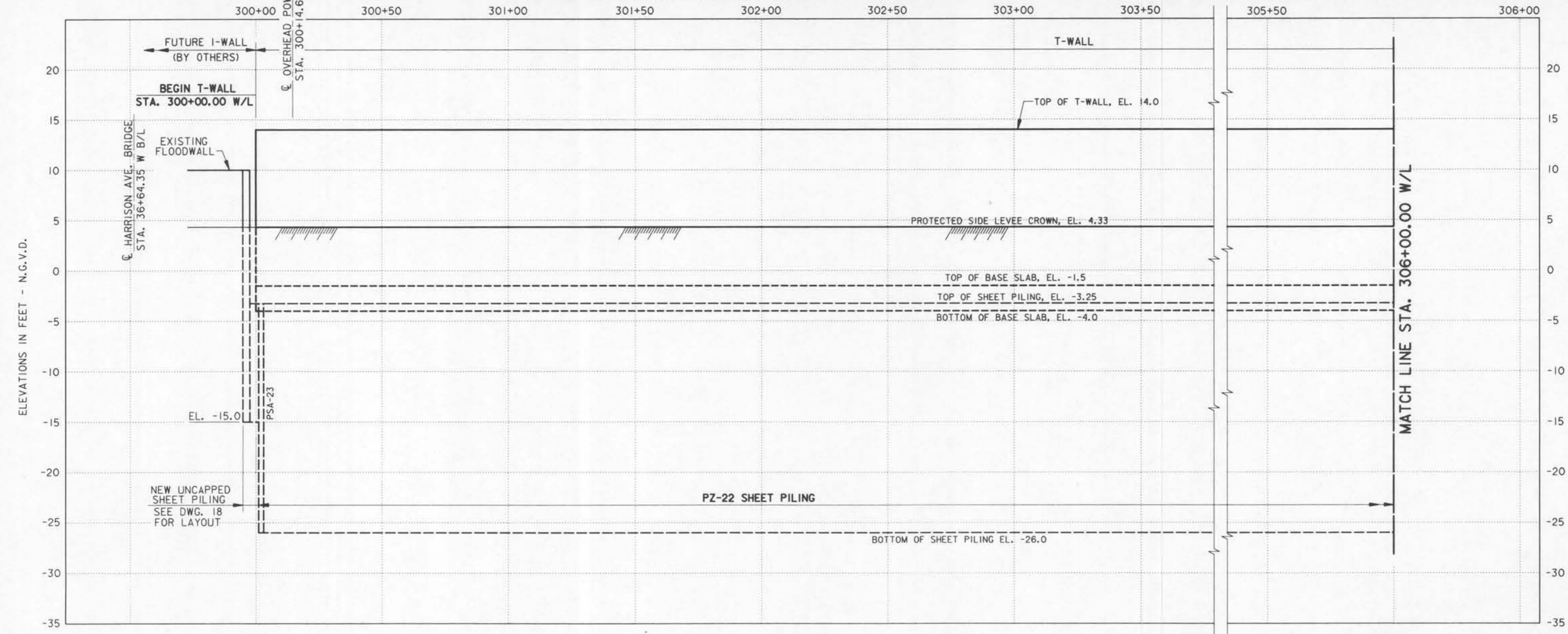


AERIAL PHOTOS FLOWN MARCH 1994

EXISTING UTILITIES

ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-3	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
E-5	AERIAL POWERLINE	37+27.5	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER

WALL LINE STATIONING ALONG FLOOD SIDE FACE OF WALL



PROFILE

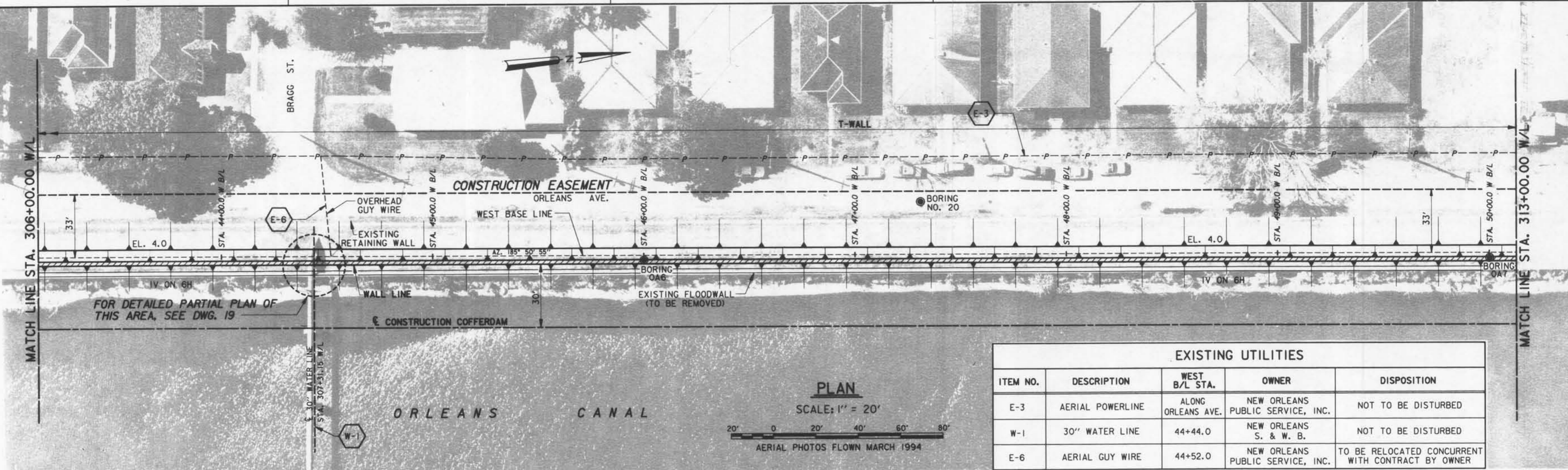
SCALE: HOR. 1" = 20'  
 VERT. 1" = 5'

Safety is a Part of Your Contract

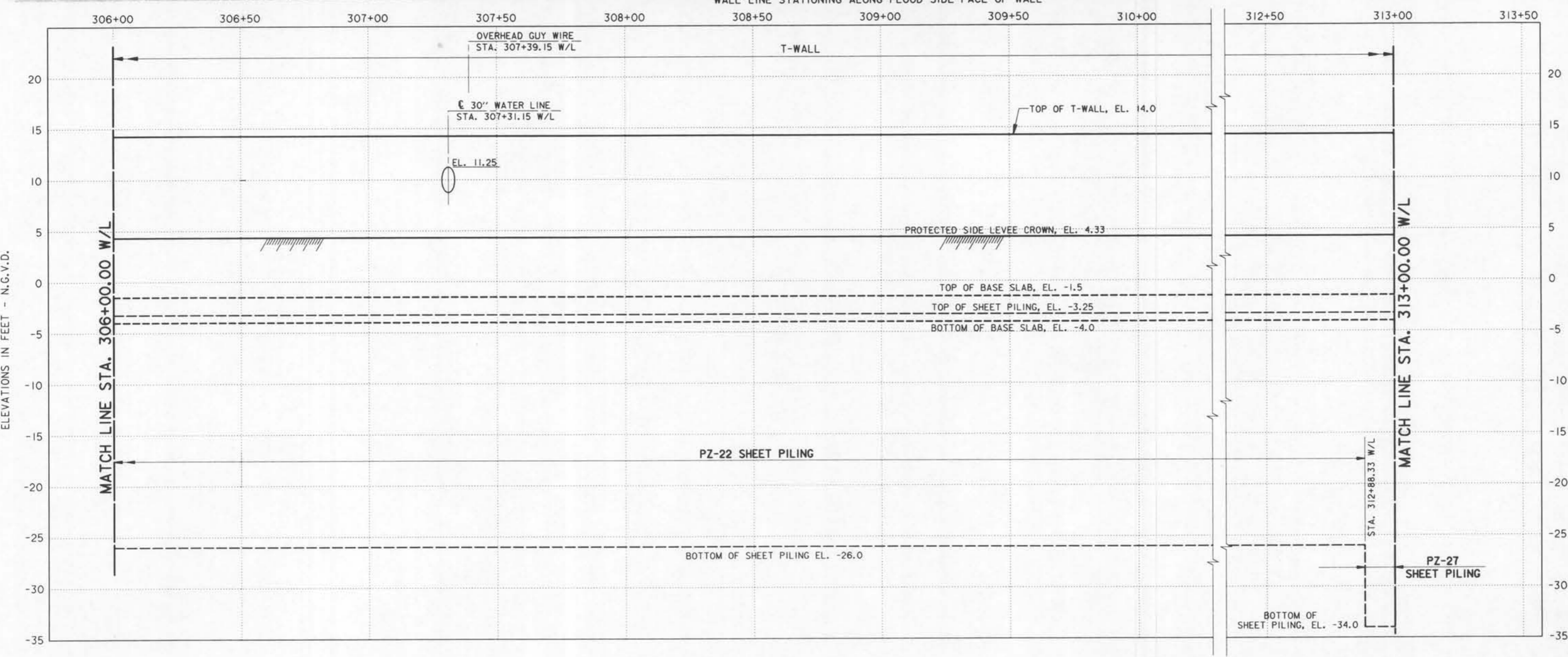


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION PHASE II-C (WEST SIDE)-FLOODWALL STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>PLAN AND PROFILE</b> STA. 300+00.0 W/L TO STA. 306+00.0 W/L			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 240	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393042.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 5 OF 51	
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		





EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-3	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
W-1	30" WATER LINE	44+44.0	NEW ORLEANS S. & W. B.	NOT TO BE DISTURBED
E-6	AERIAL GUY WIRE	44+52.0	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER



NOTE:  
FOR ADDITIONAL LIMITS OF CONSTRUCTION EASEMENT, SEE DWGS. 44 AND 45.

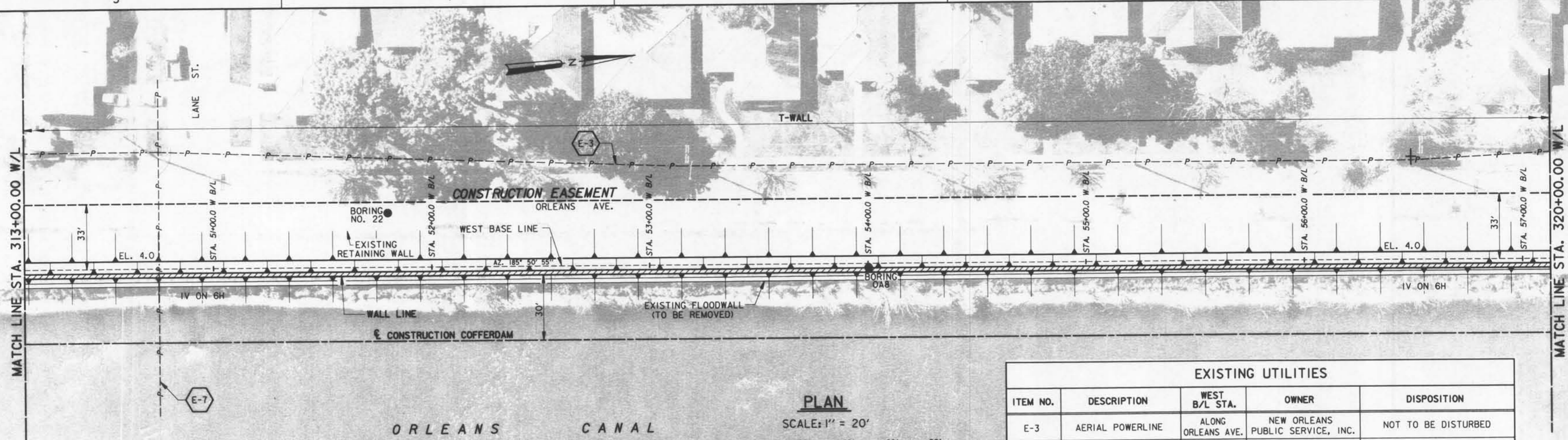
**PROFILE**  
SCALE: HOR. 1" = 20'  
VERT. 1" = 5'

**Safety is a Part of Your Contract**



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>PLAN AND PROFILE</b> <b>STA. 306+00.0 W/L TO STA. 313+00.0 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 240	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393a43.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 6	OF 51
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		

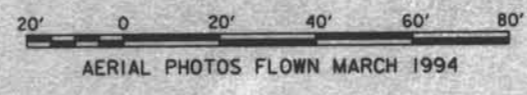




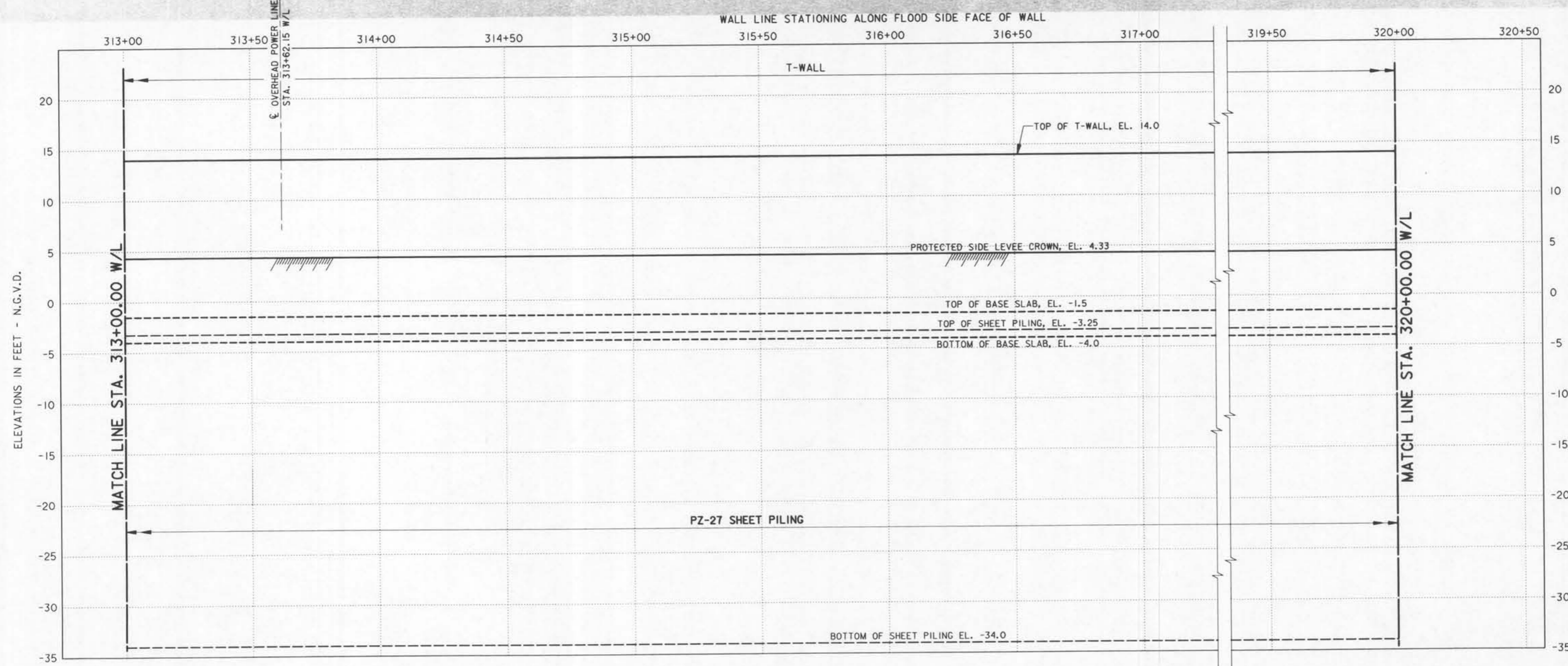
ORLEANS CANAL

**PLAN**

SCALE: 1" = 20'



EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-3	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
E-7	AERIAL POWERLINE	50+75.0	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER



**PROFILE**

SCALE: HOR. 1" = 20'  
VERT. 1" = 5'

NOTE:  
FOR ADDITIONAL LIMITS OF CONSTRUCTION EASEMENT, SEE DWGS. 44 AND 45.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>PLAN AND PROFILE</b> <b>STA. 313+00.0 W/L TO STA. 320+00.0 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 240	PLOT DATE:
DRAWN BY: B. DORCEY	CADD FILE: 40393044.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 7	OF 51
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		

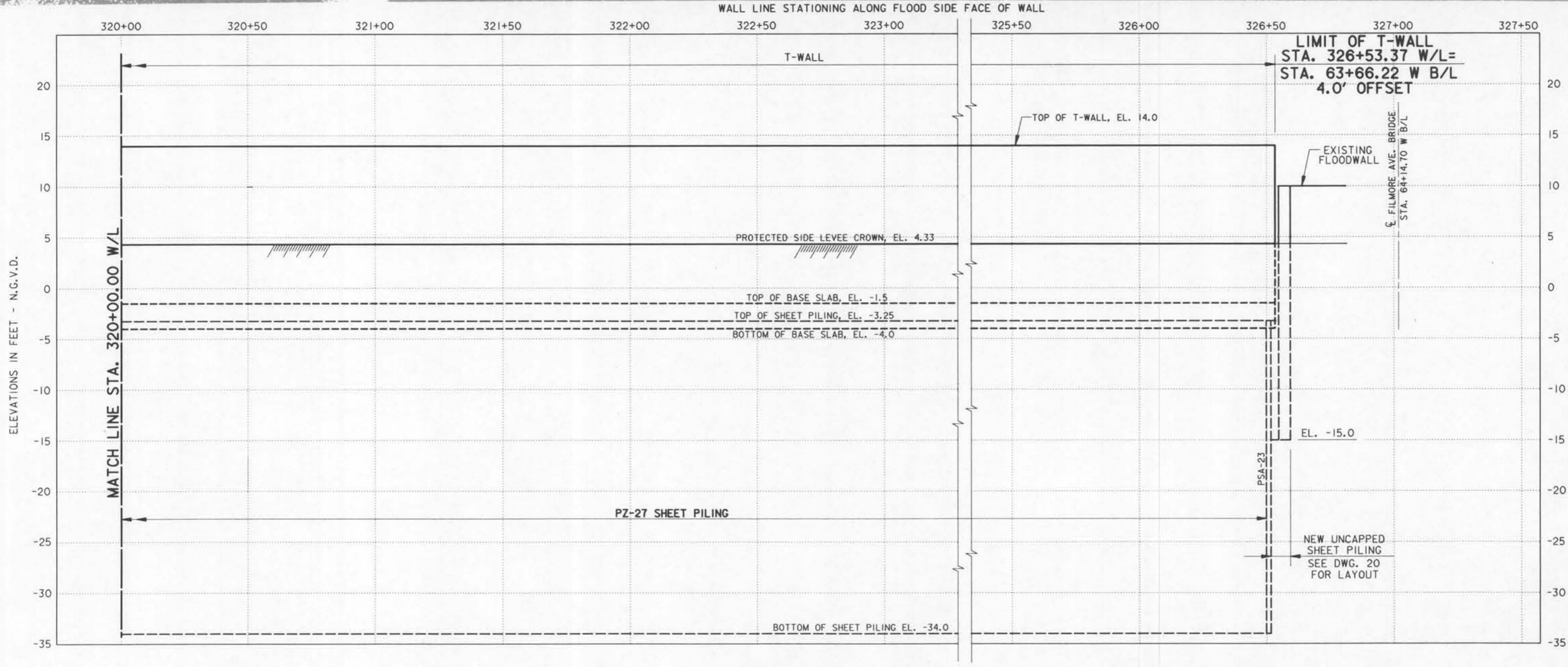
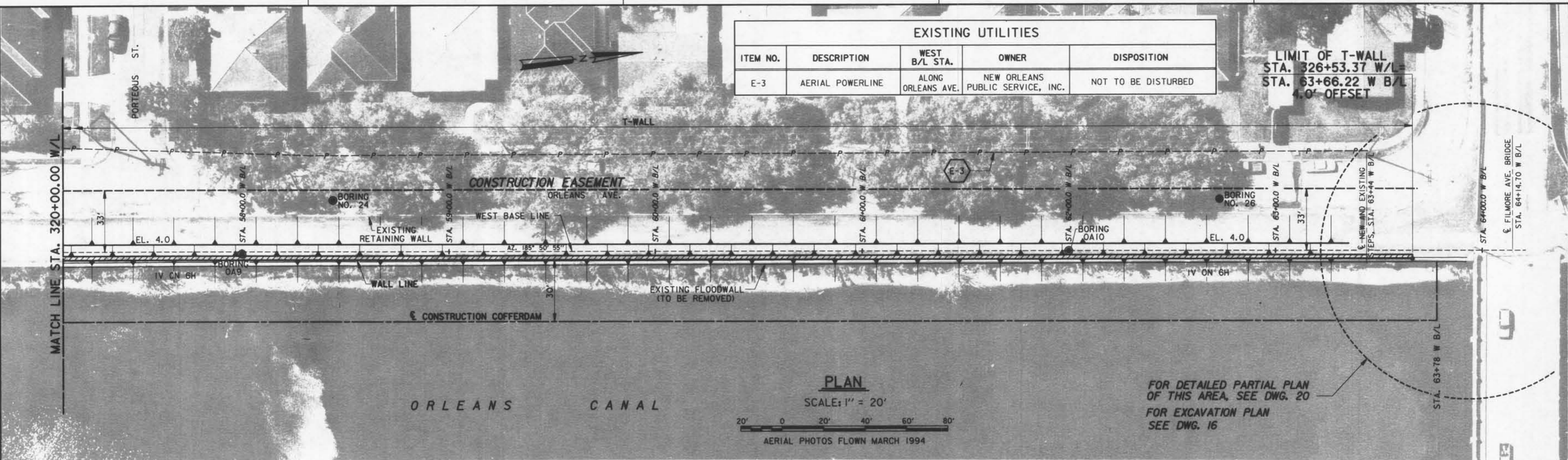
Safety is a Part of Your Contract





EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-3	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED

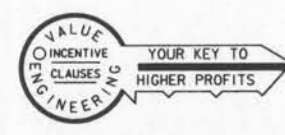
LIMIT OF T-WALL  
 STA. 326+53.37 W/L=  
 STA. 63+66.22 W B/L  
 4.0' OFFSET



NOTE:  
 FOR ADDITIONAL LIMITS OF CONSTRUCTION EASEMENT, SEE DWGS. 44 AND 45.

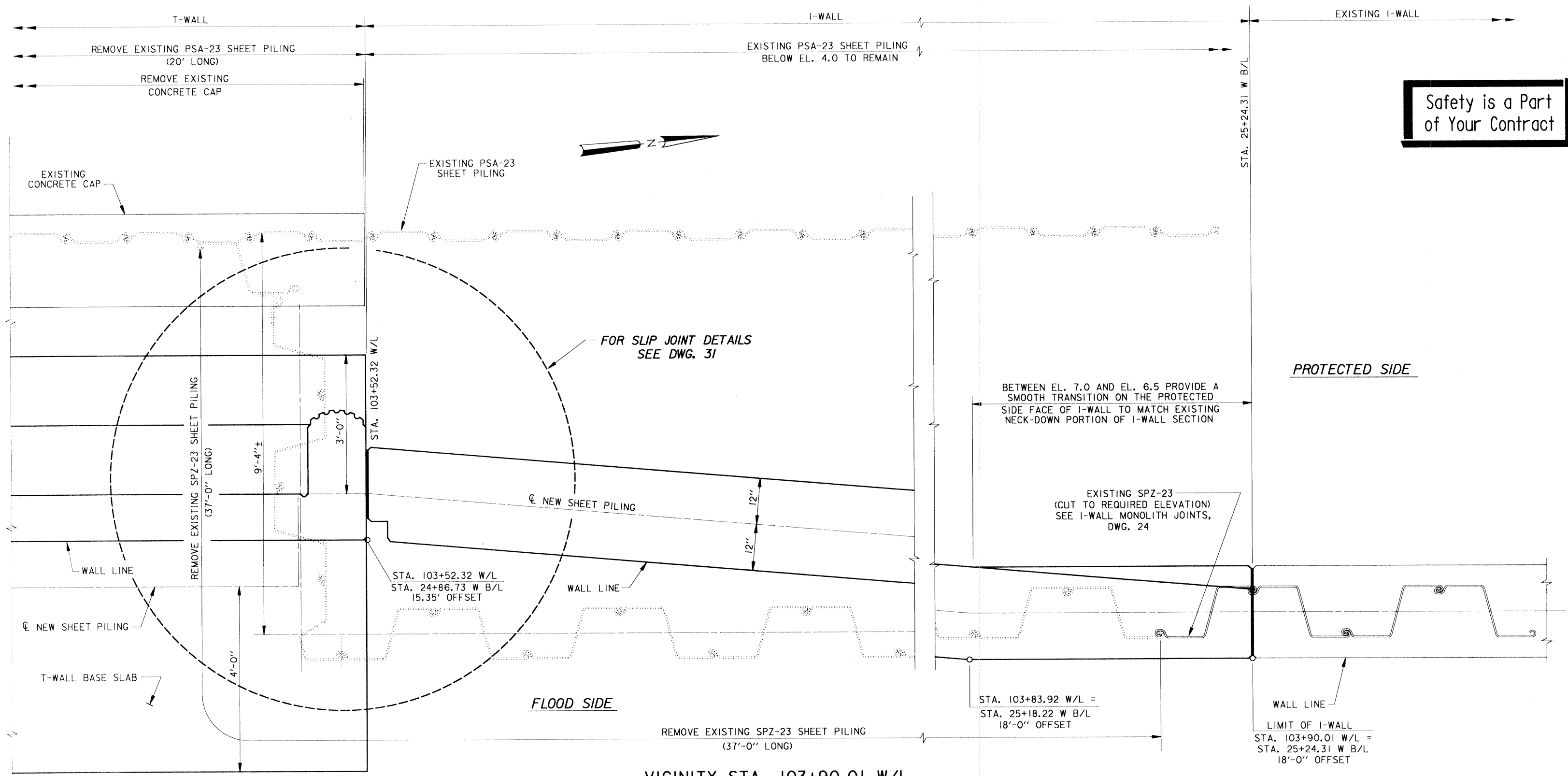
PROFILE  
 SCALE: HOR. 1" = 20'  
 VERT. 1" = 5'

Safety is a Part  
 of Your Contract



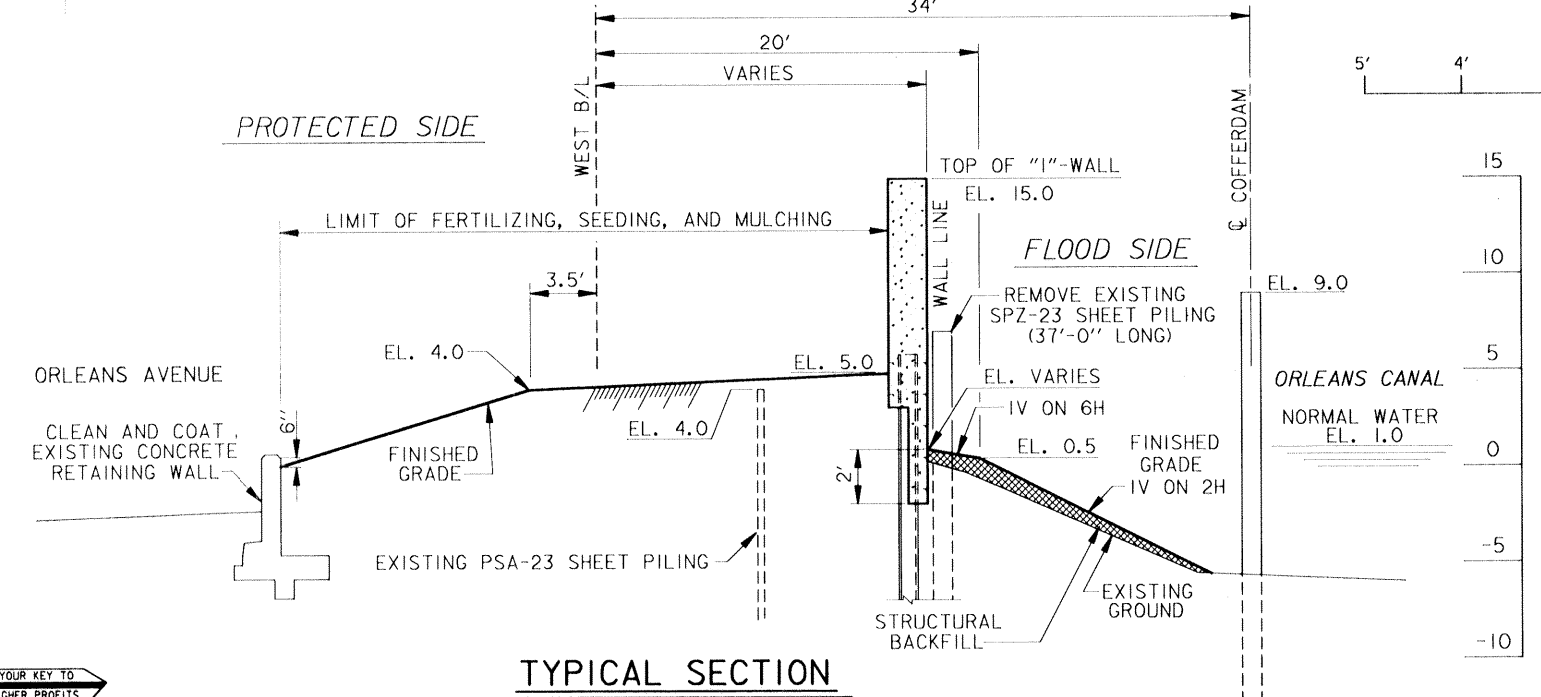
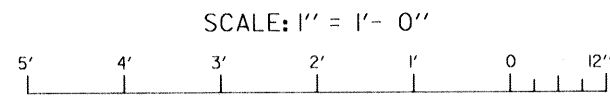
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION            PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>PLAN AND PROFILE</b> <b>STA. 320+00.0 W/L TO STA. 326+53.37 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 240	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393045.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 8 OF 51	
SUBMITTED BY: J. ROMERO DESIGN ENGINEER			





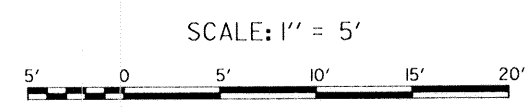
**Safety is a Part of Your Contract**

**VICINITY STA. 103+90.01 W/L**  
**PARTIAL PLAN**



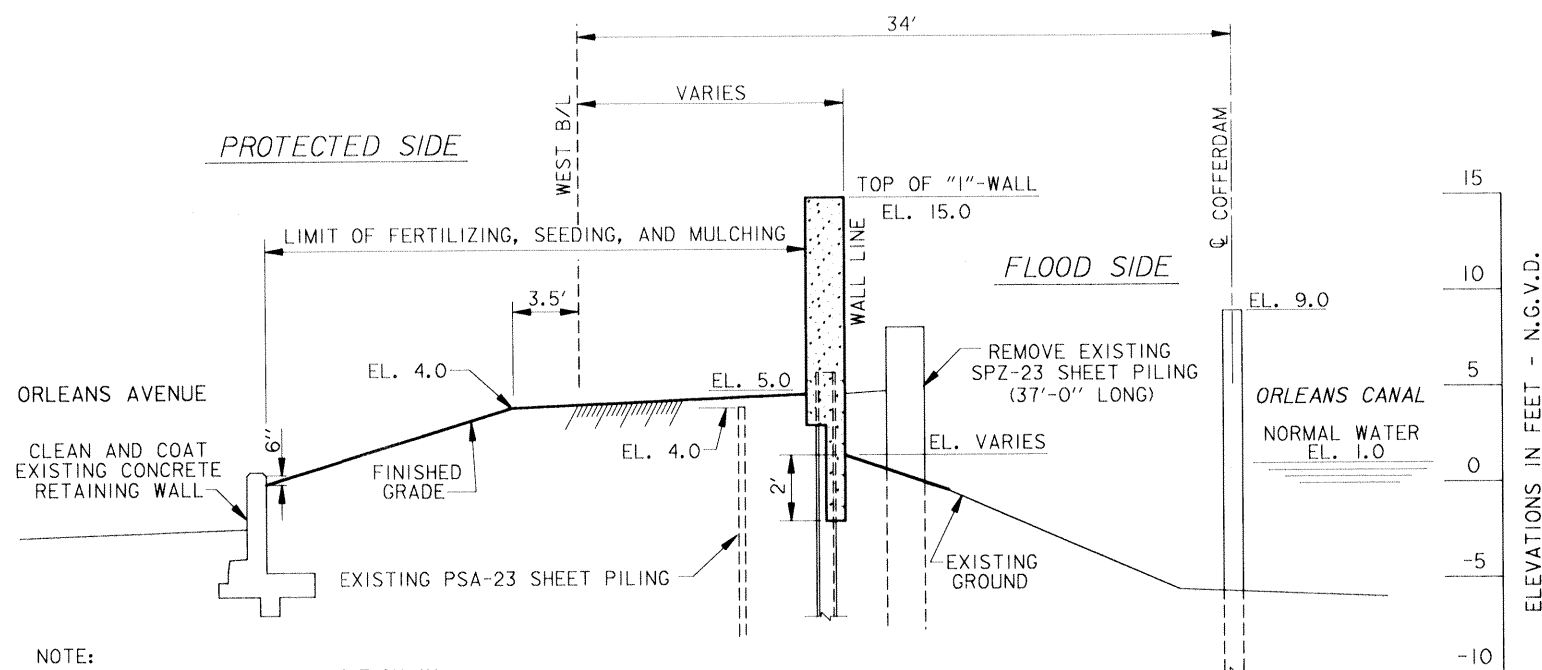
**TYPICAL SECTION**  
 SCALE: 1" = 5'

NOTE: PROVIDE A SMOOTH TRANSITION IN EARTH WORK BETWEEN SECTION AND ADJACENT GRADES.

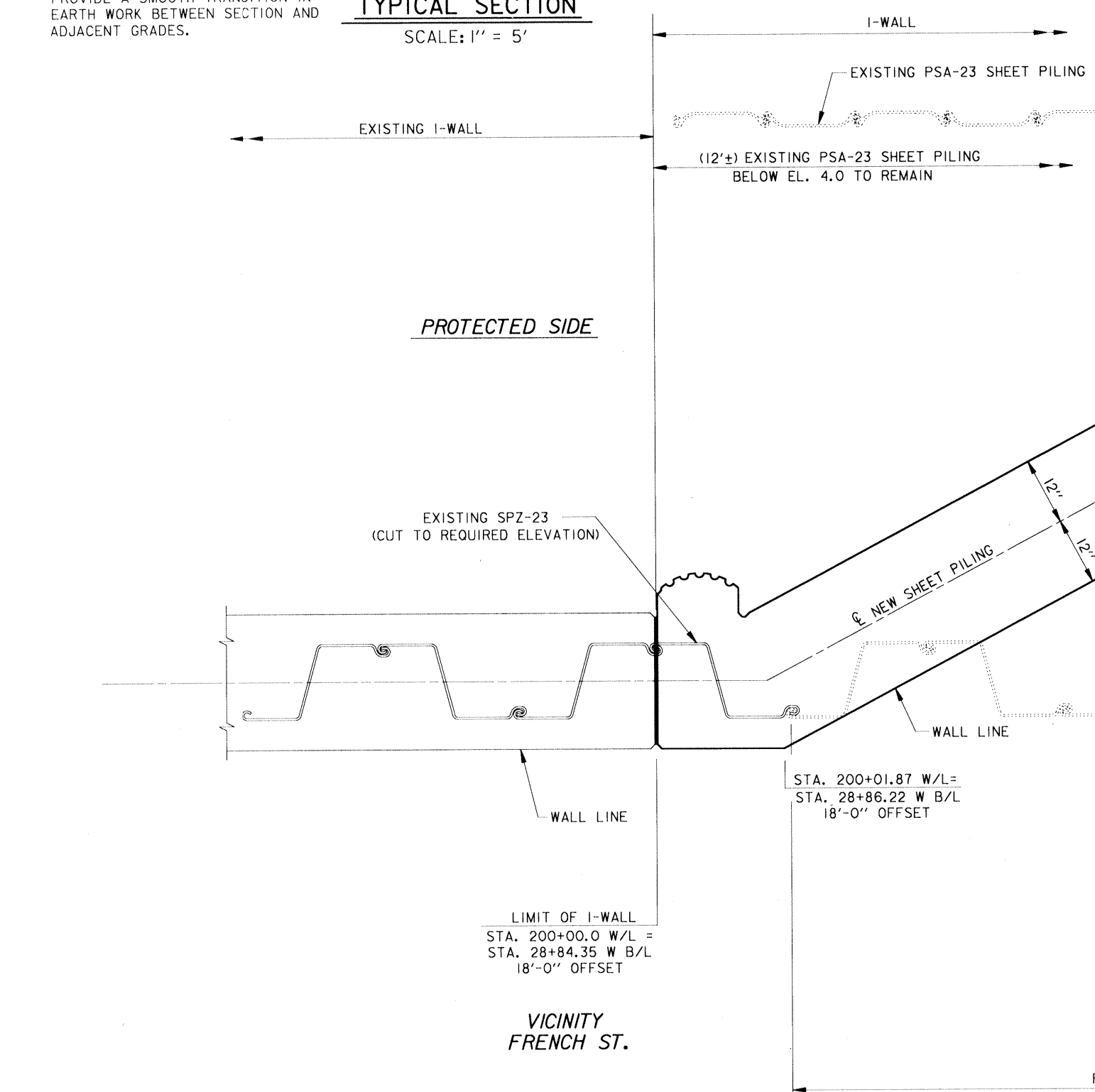


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>PARTIAL PLAN</b> <b>VICINITY STA. 103+90.01 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 12	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393a24.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 10	OF 51
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		





**TYPICAL SECTION**  
SCALE: 1" = 5'

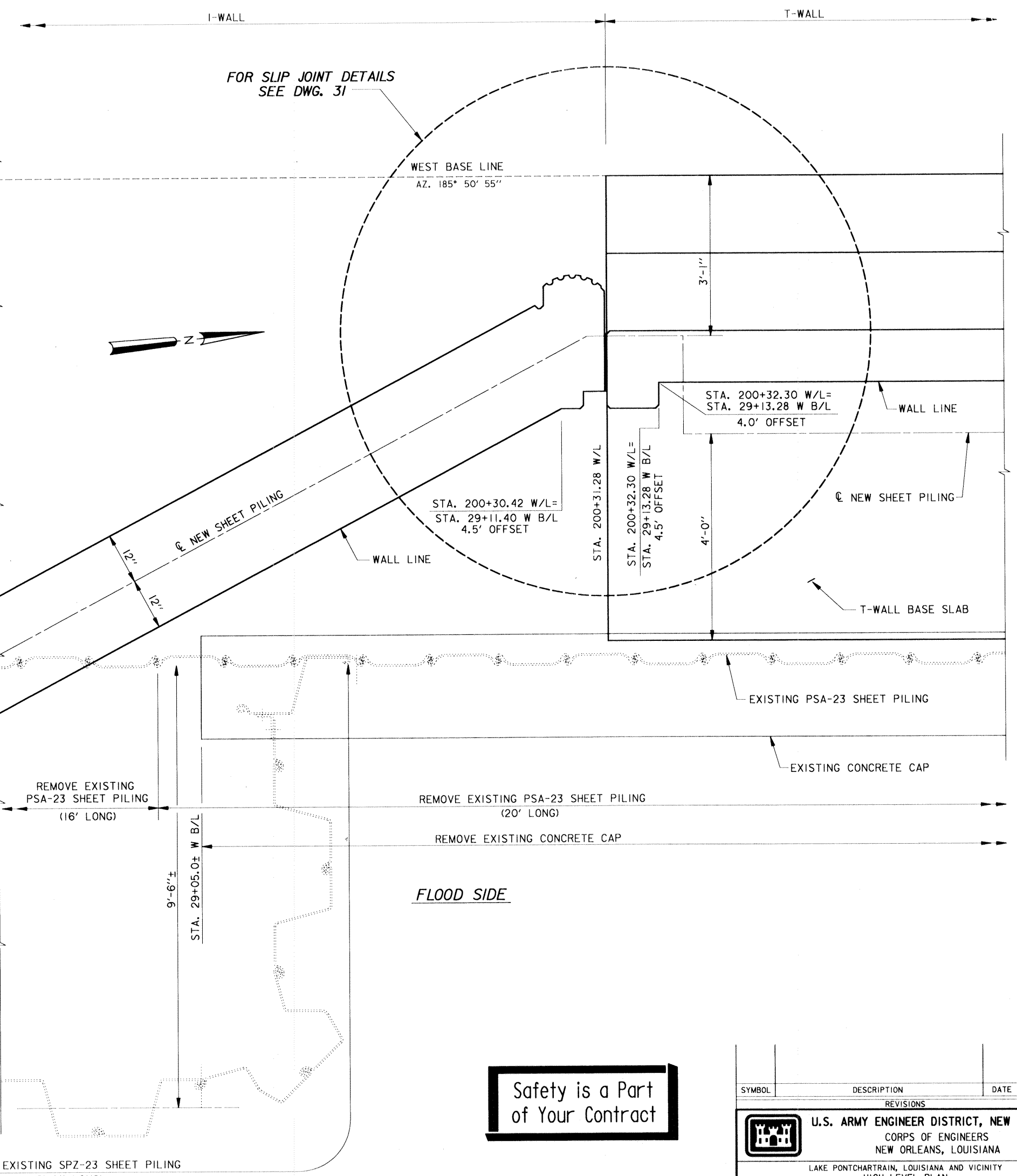
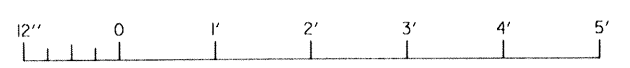


**VICINITY FRENCH ST.**

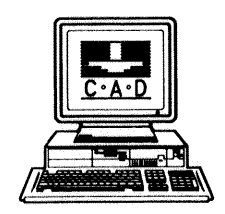
**VICINITY STA. 200+00 W/L**

**PARTIAL PLAN**

SCALE: 1" = 1'-0"

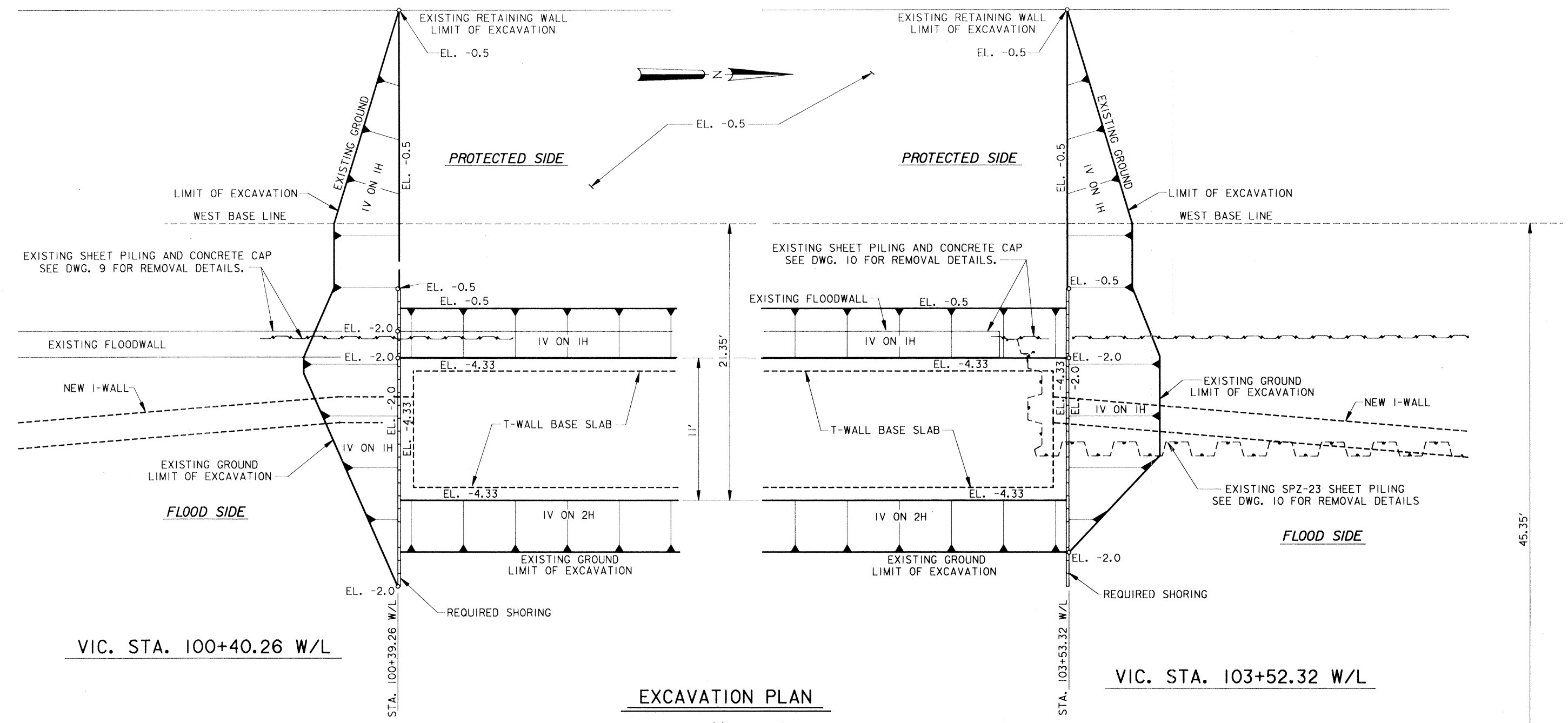


**Safety is a Part of Your Contract**

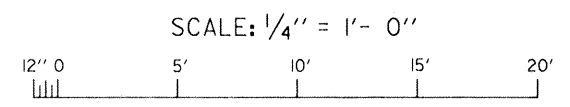


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>PARTIAL PLAN</b> <b>VICINITY STA. 200+00 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 12	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393025.DGN	FILE NO. <b>H-4-40393</b>	
CHECKED BY: J. ROMERO	SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 11 OF 51

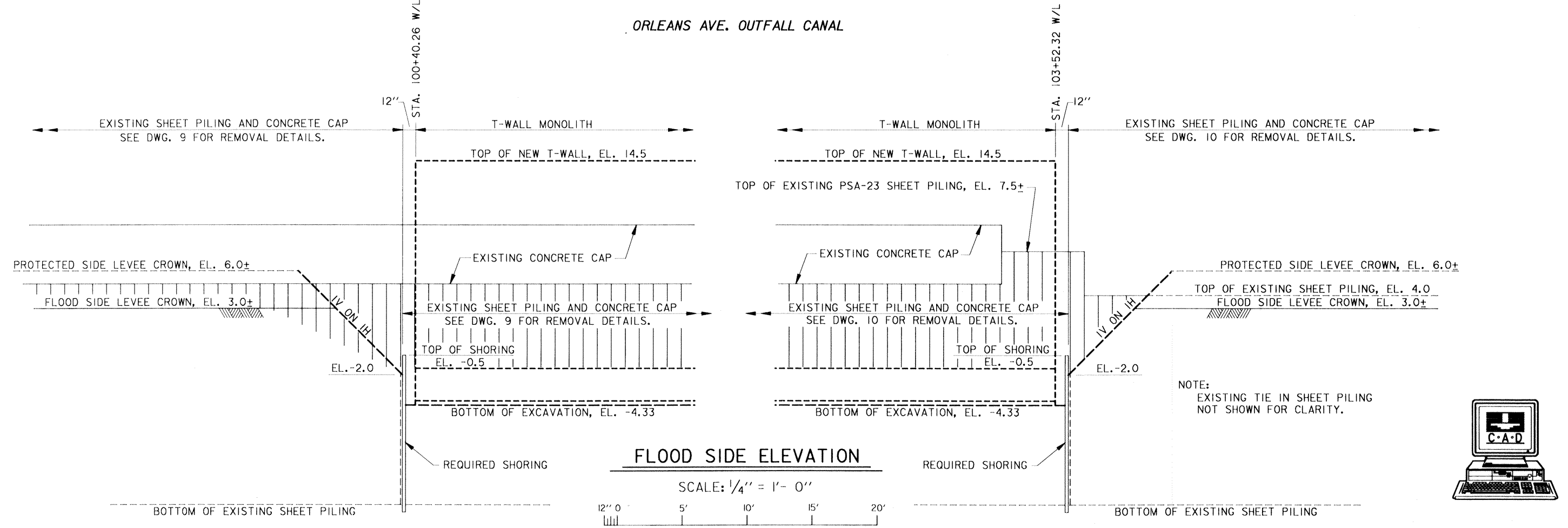
Safety is a Part of Your Contract



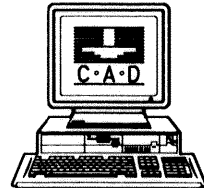
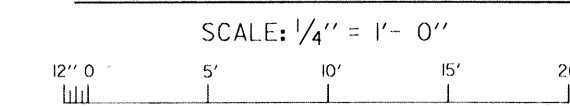
EXCAVATION PLAN



ORLEANS AVE. OUTFALL CANAL

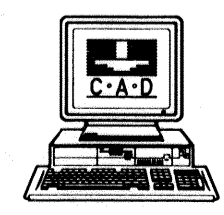
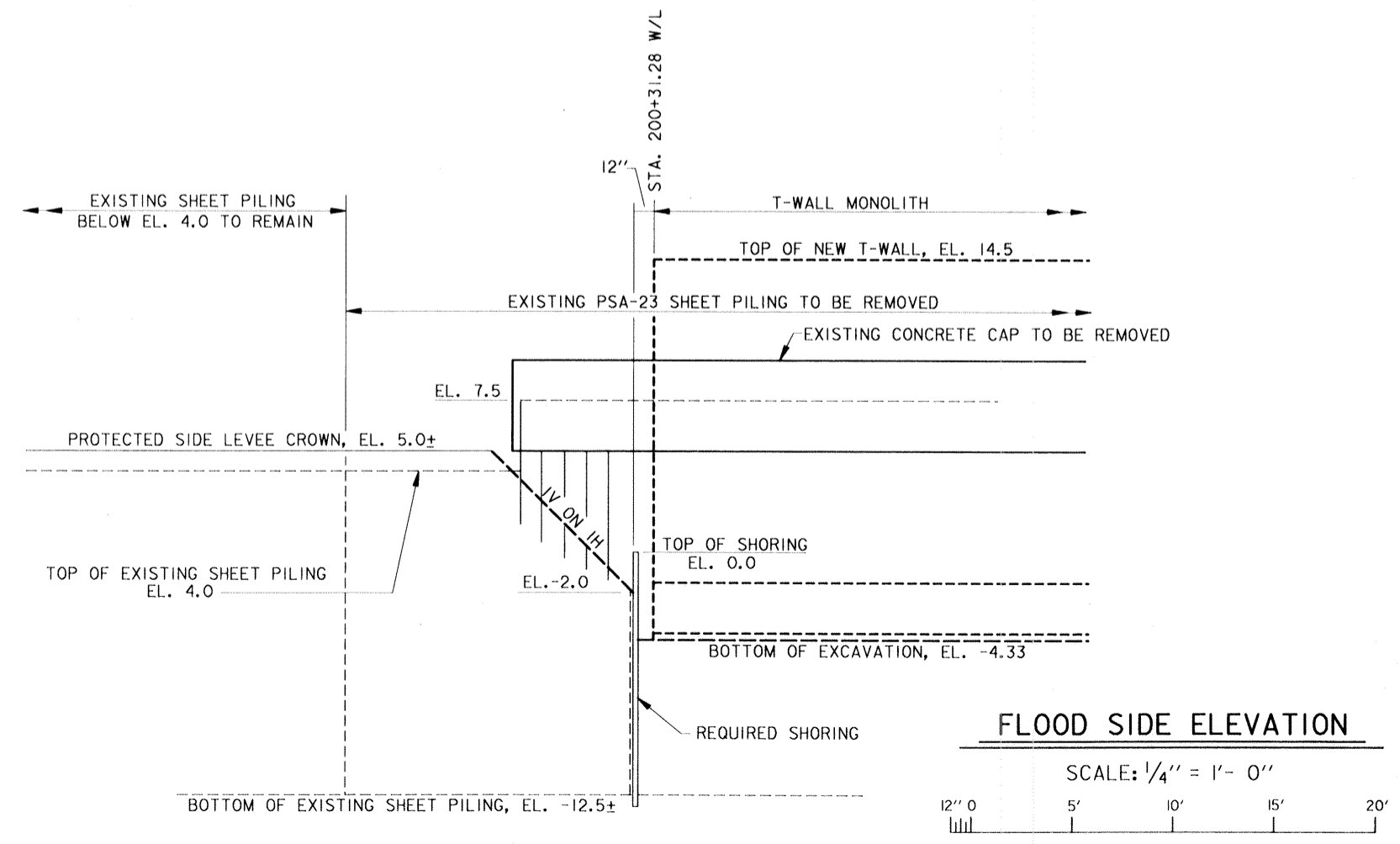
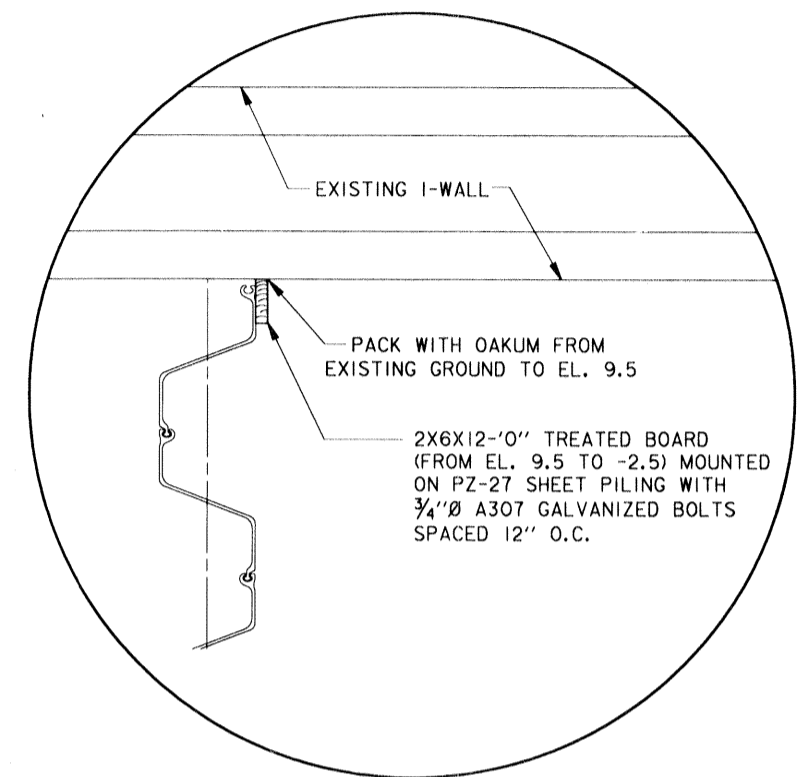
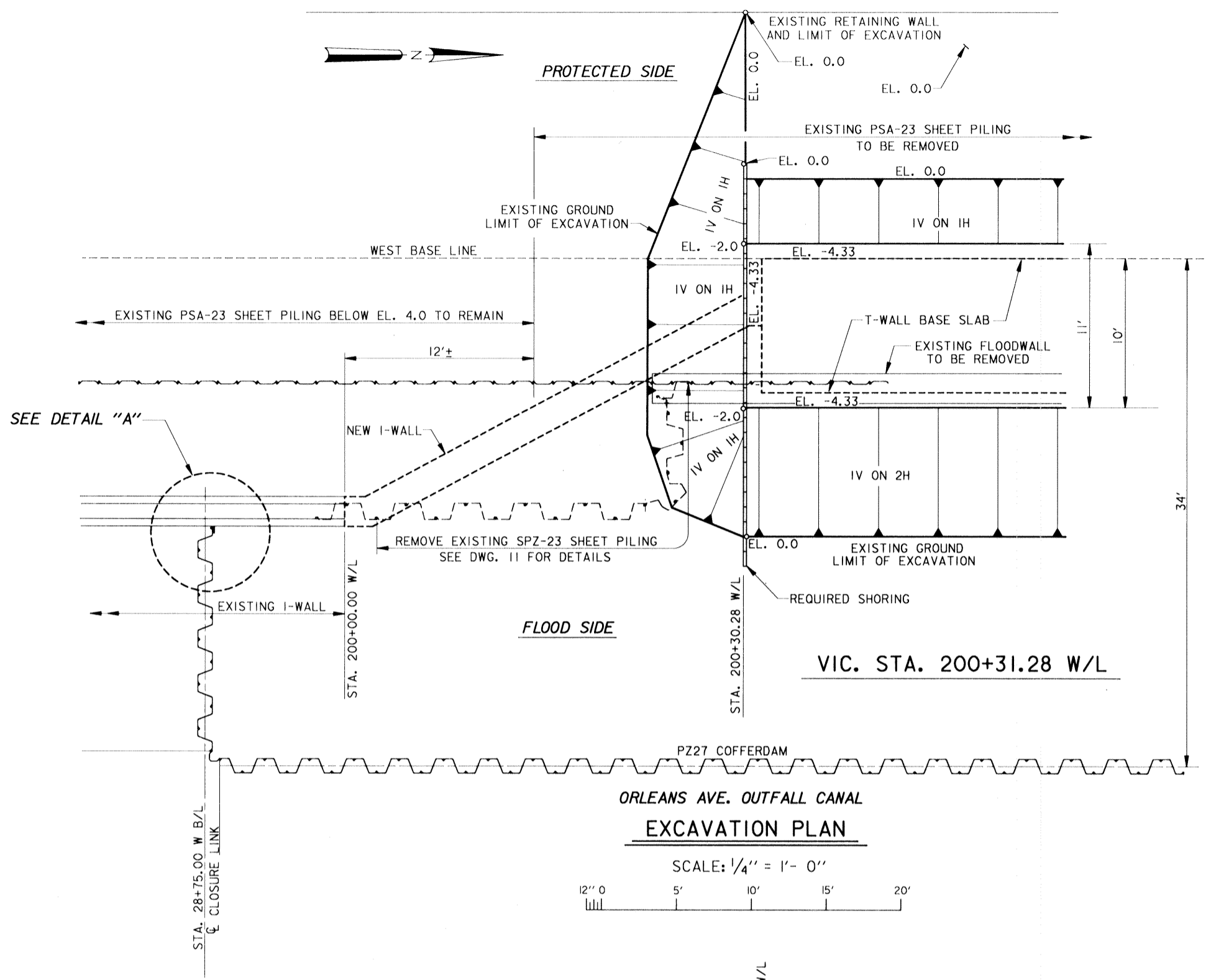



FLOOD SIDE ELEVATION

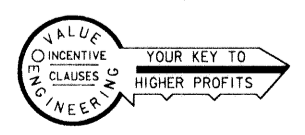


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>EXCAVATION PLAN</b> <b>VIC. STA. 100+40.26 W/L</b> <b>VIC. STA. 103+52.32 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393046.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 12 OF 51	
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		

Safety is a Part of Your Contract



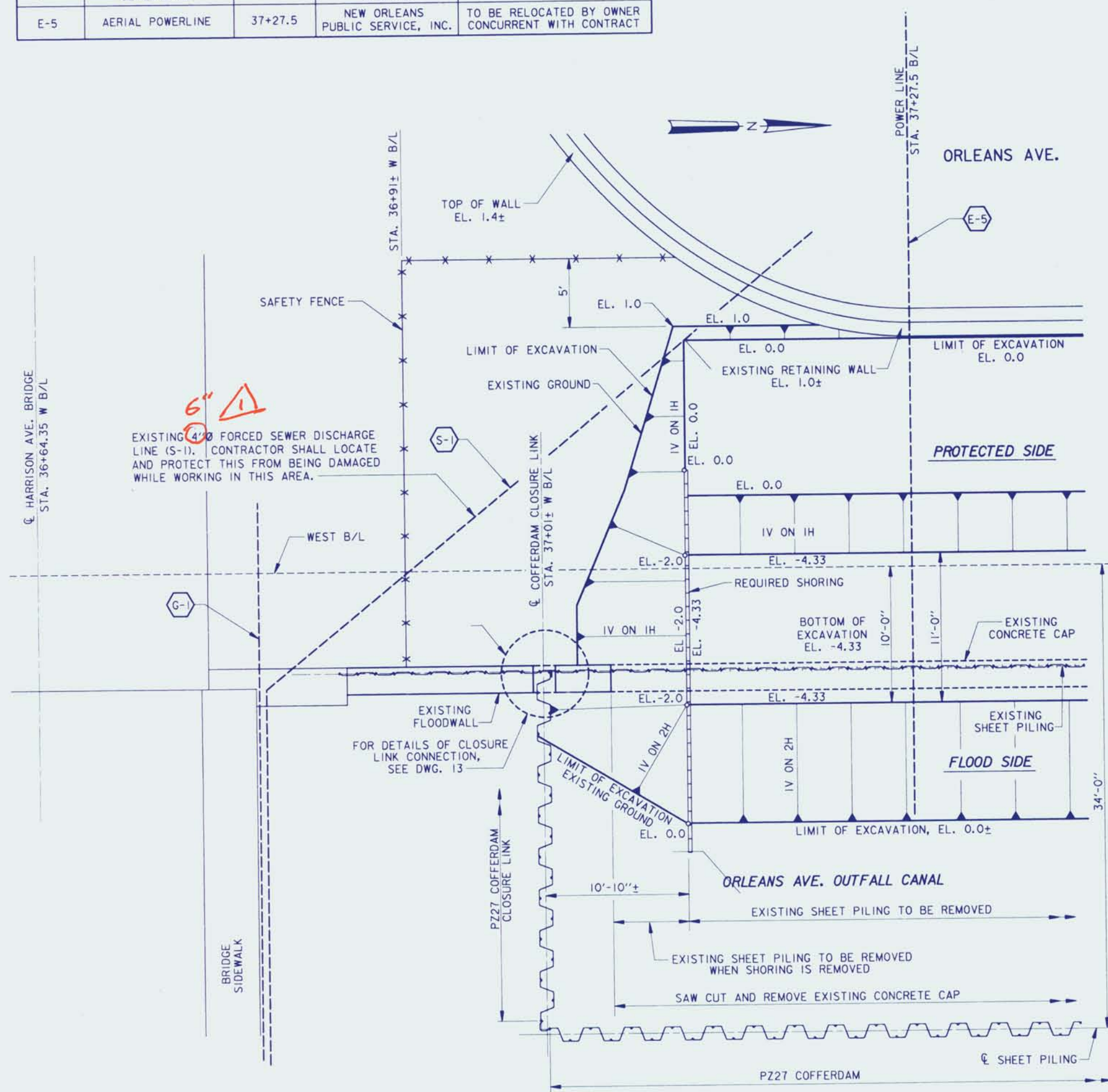
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 <b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>EXCAVATION PLAN</b> <b>VIC. STA. 200+31.28 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393047.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 13 OF 51	
SUBMITTED BY: J. ROMERO DESIGN ENGINEER			



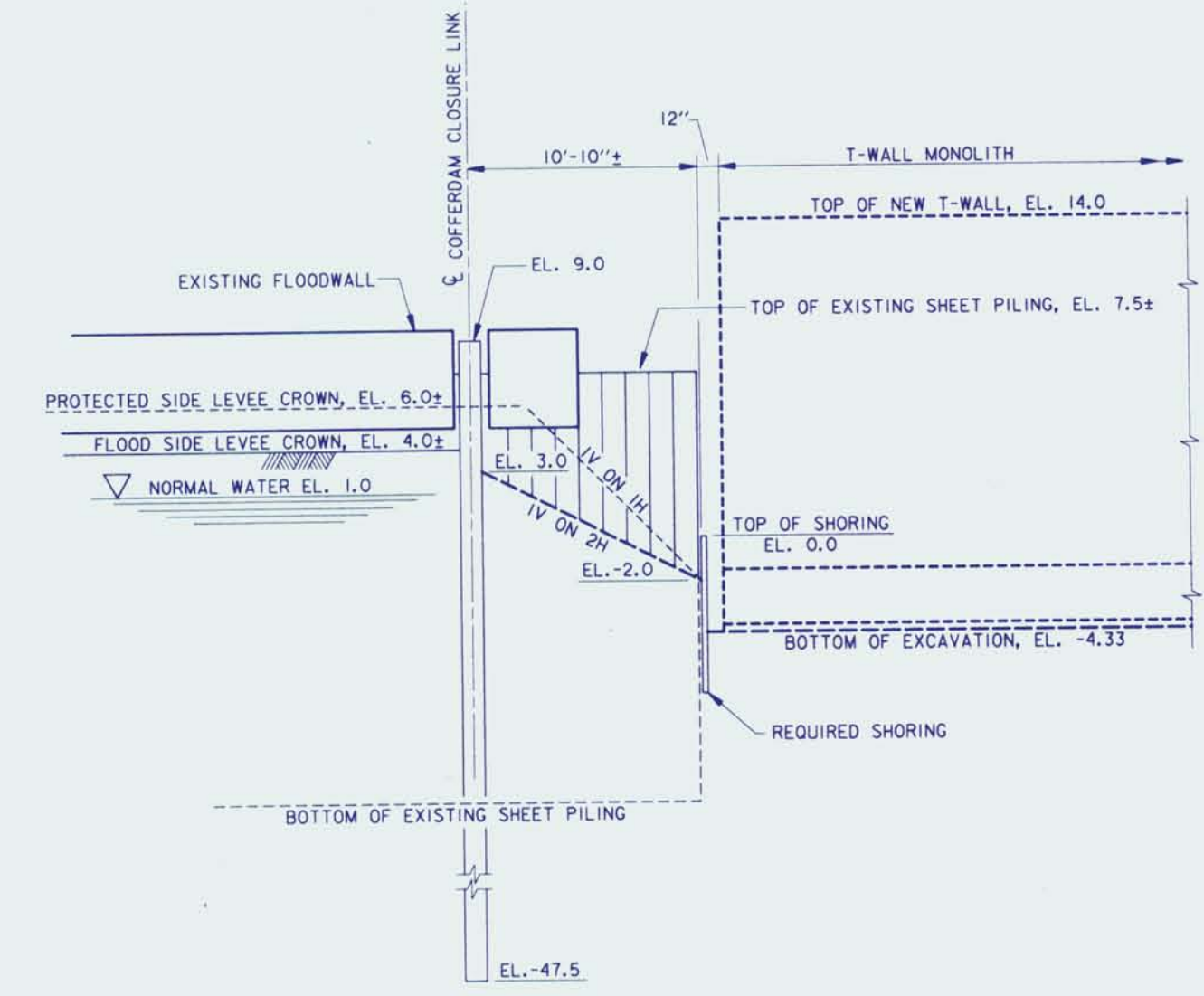
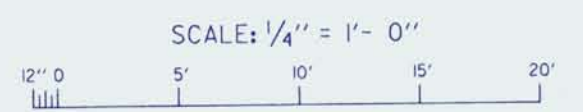


Safety is a Part of Your Contract

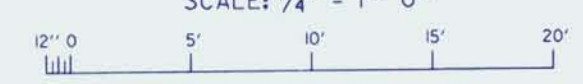
EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
G-1	2" GAS LINE	36+80.5	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
S-1	6" FORCED SEWER LINE	36+81.0	CITY OF NEW ORLEANS N.O.R.D.	NOT TO BE DISTURBED
E-5	AERIAL POWERLINE	37+27.5	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED BY OWNER CONCURRENT WITH CONTRACT



EXCAVATION PLAN NORTH OF HARRISON AVE.



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



**Amend #1 - Revised pipe size 14/200 J.R.**

SYMBOL	DESCRIPTION	DATE	APPROVED

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

LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY  
 HIGH LEVEL PLAN  
 ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION  
 PHASE II-C (WEST SIDE)-FLOODWALL  
 STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L  
 ORLEANS PARISH, LOUISIANA

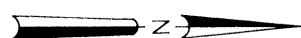
**EXCAVATION PLAN  
 NORTH OF HARRISON AVE.**

DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A36.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 15 OF 51	
SUBMITTED BY: J. ROMERO DESIGN ENGINEER			

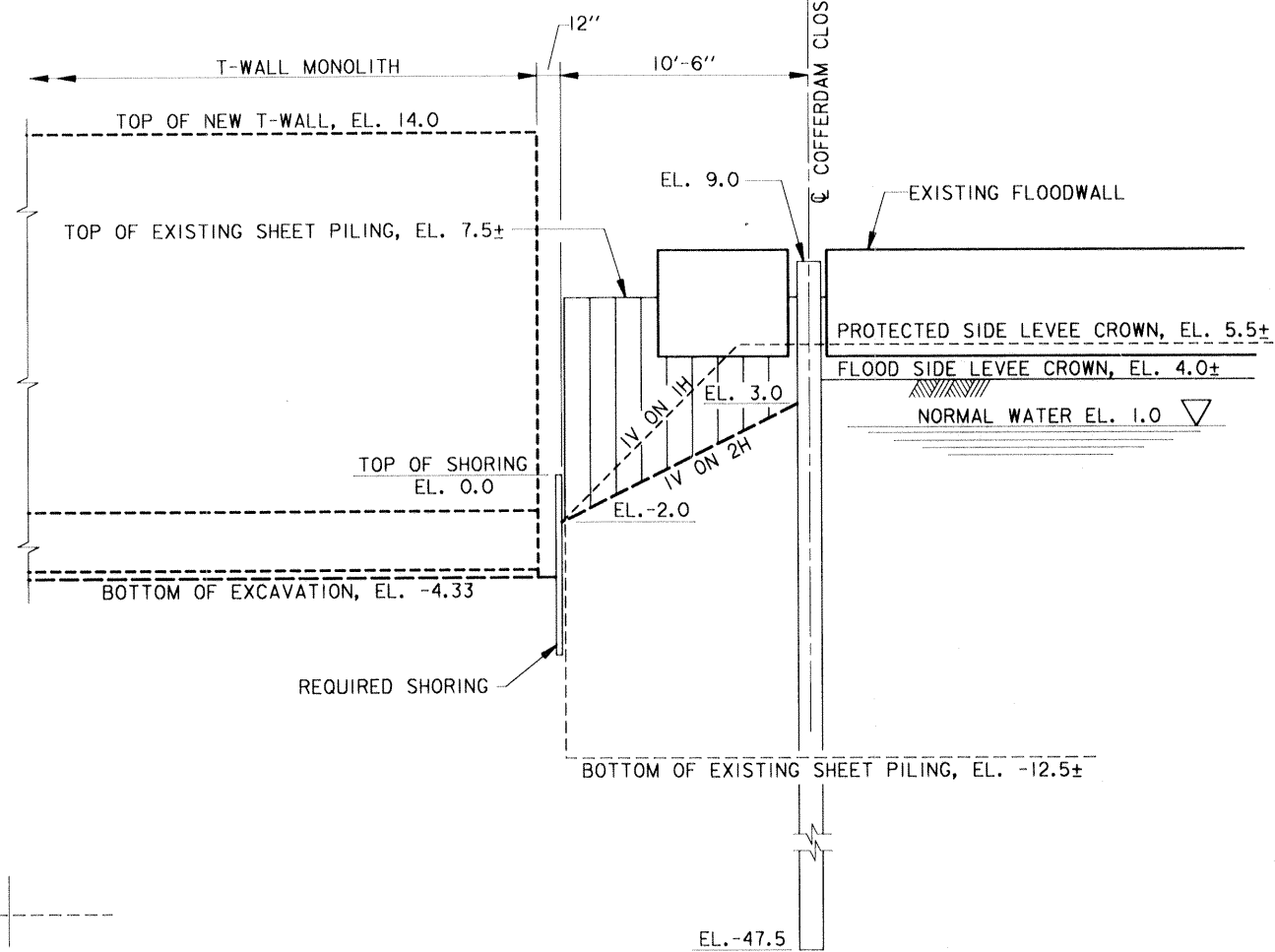
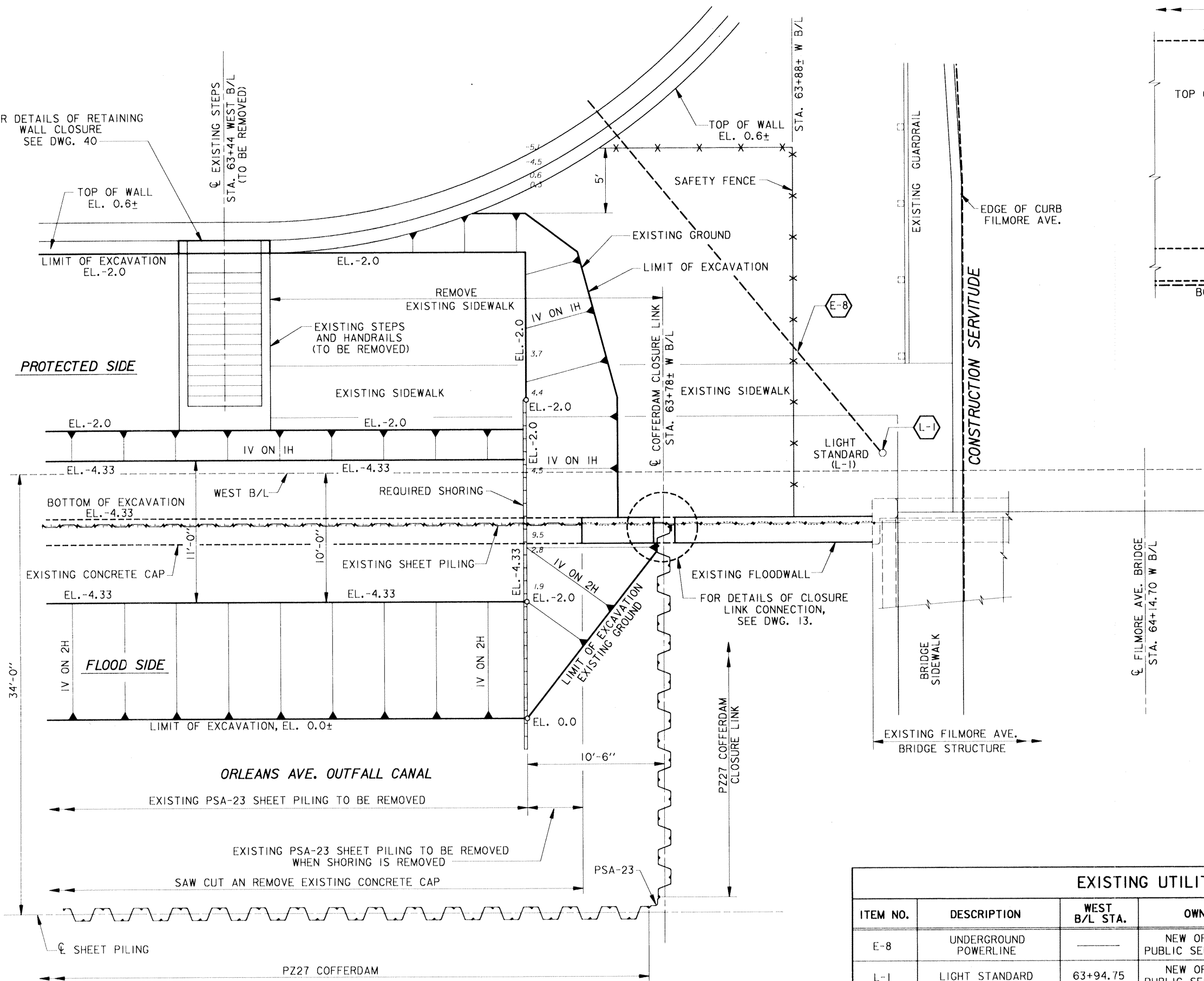




Safety is a Part of Your Contract



NOTE:  
FOR DETAILS OF RETAINING WALL CLOSURE SEE DWG. 40

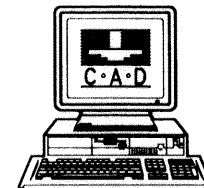


FLOOD SIDE ELEVATION  
SCALE: 1/4" = 1'-0"

EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-8	UNDERGROUND POWERLINE	---	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
L-1	LIGHT STANDARD	63+94.75	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED

EXCAVATION PLAN SOUTH OF FILMORE AVE.

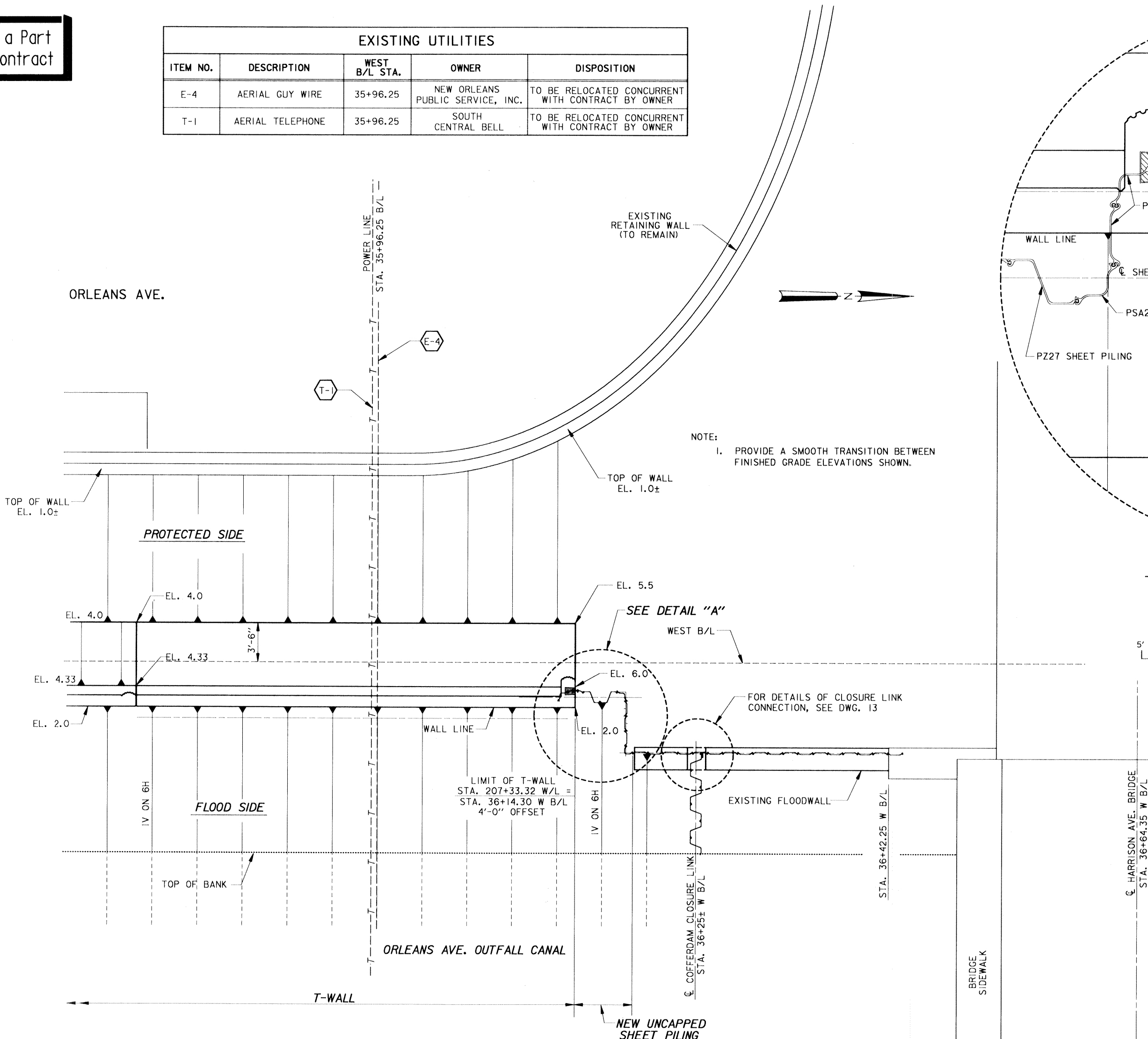
SCALE: 1/4" = 1'-0"



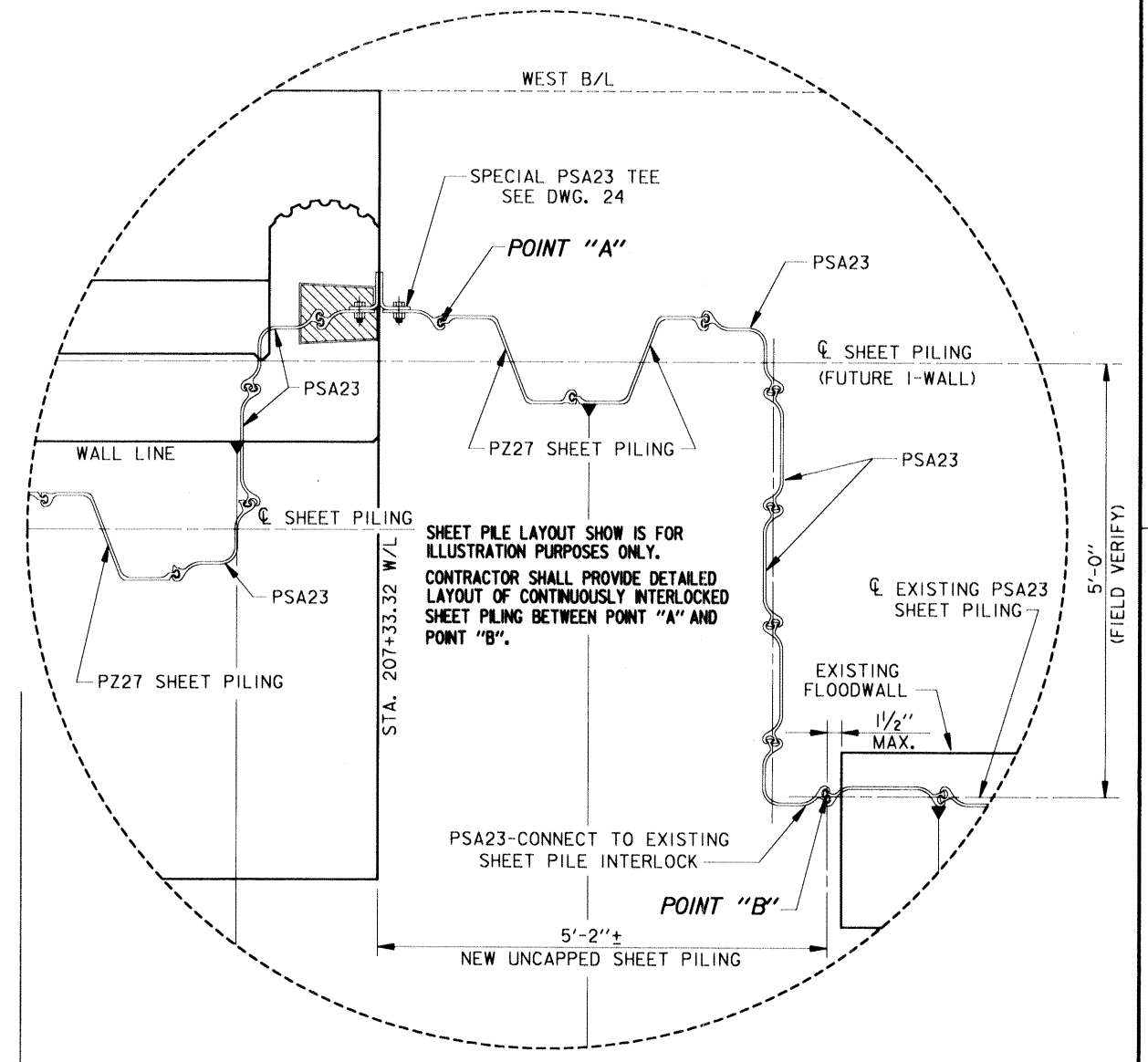
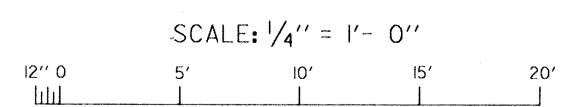
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>EXCAVATION PLAN</b> <b>SOUTH OF FILMORE AVE.</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A38.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 16 OF 51

**Safety is a Part of Your Contract**

EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-4	AERIAL GUY WIRE	35+96.25	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER
T-1	AERIAL TELEPHONE	35+96.25	SOUTH CENTRAL BELL	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER



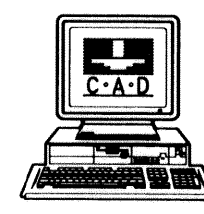
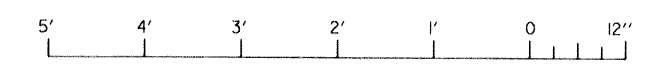
PLAN OF FINISHED GRADES AND DETAILS OF NEW WORK SOUTH OF HARRISON AVE.



RECOMMENDED SHEET PILE LAYOUT

DETAIL (A)

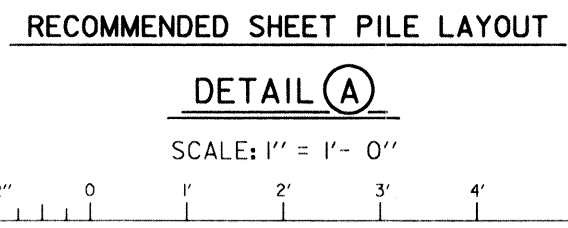
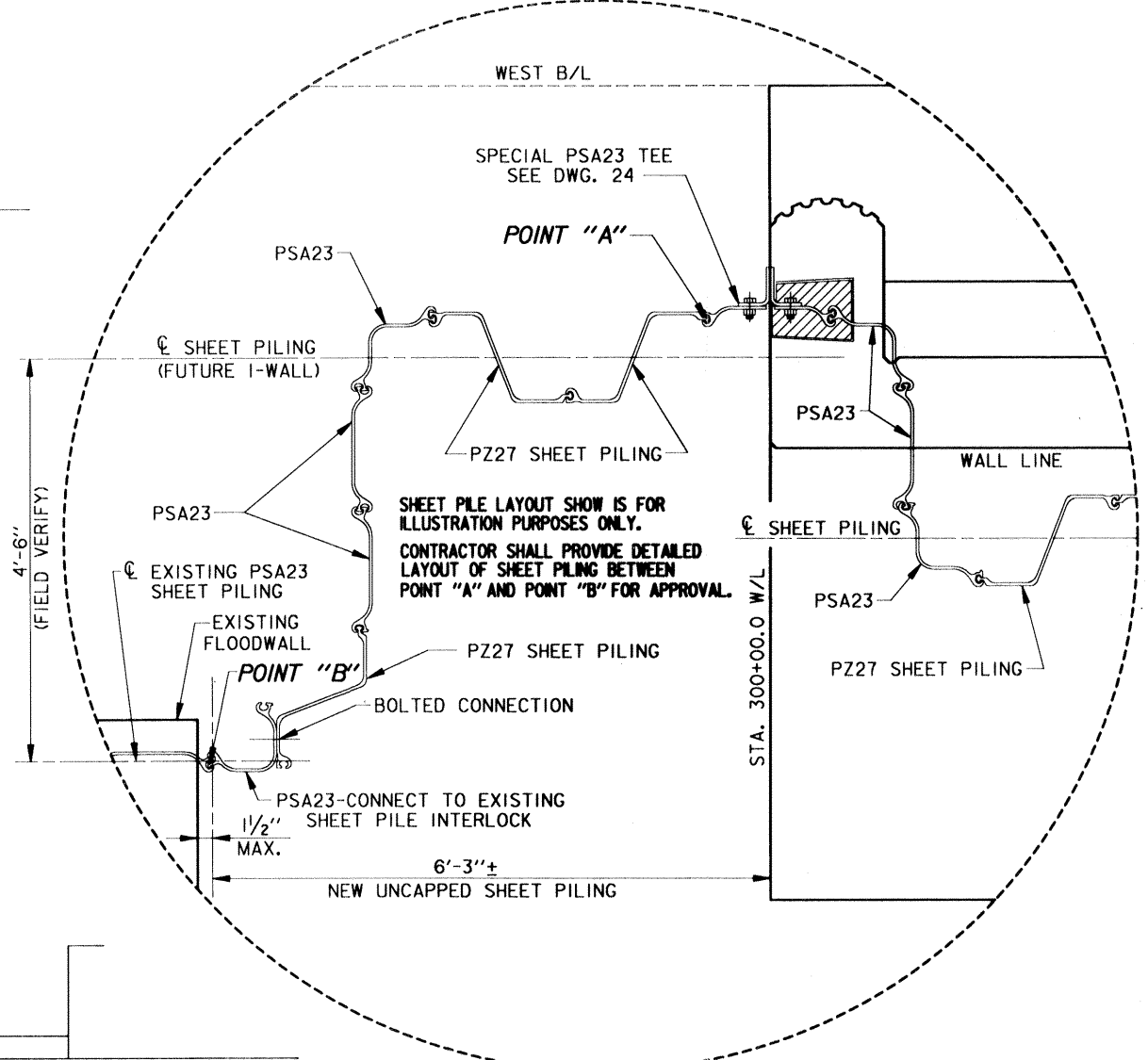
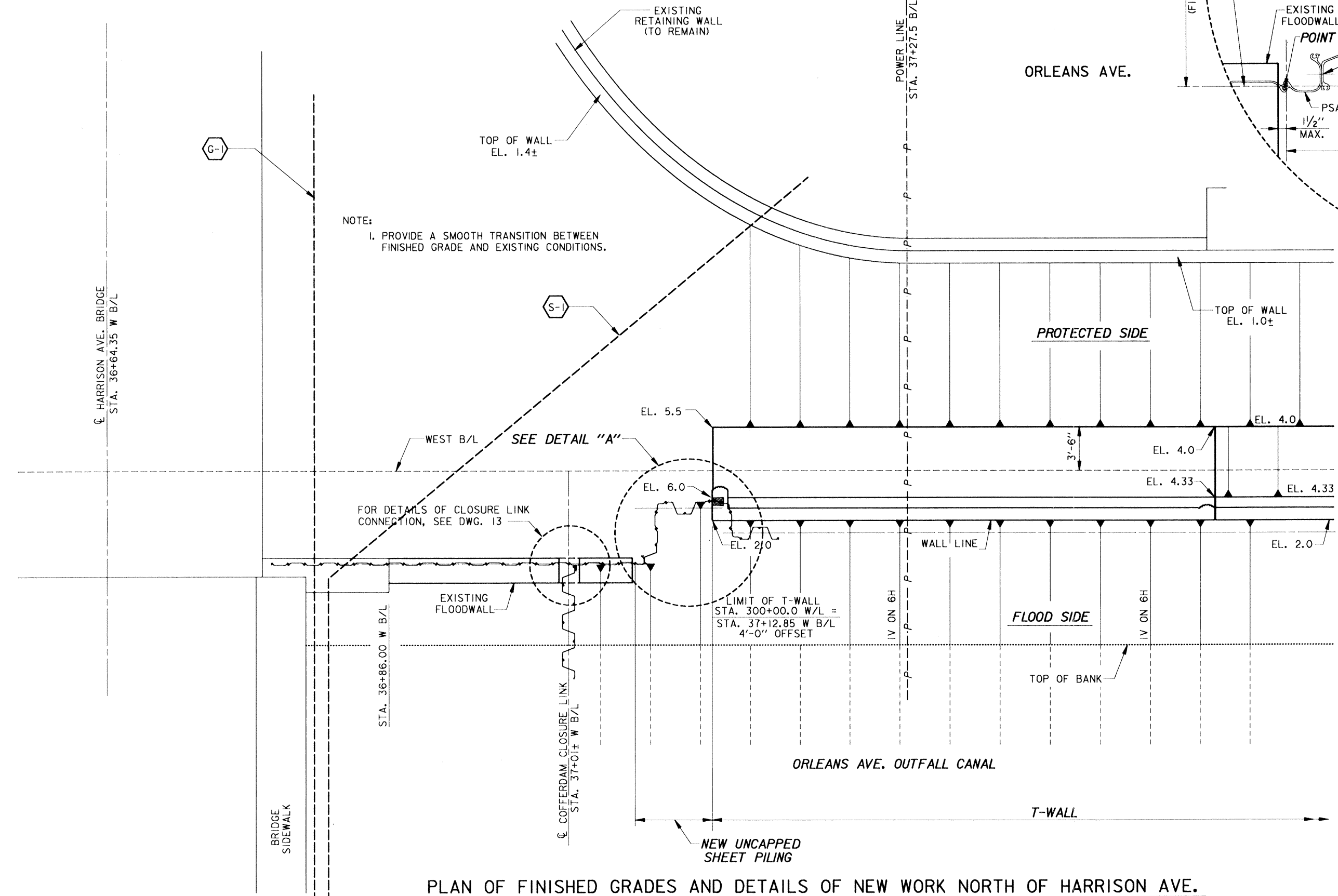
SCALE: 1" = 1'-0"



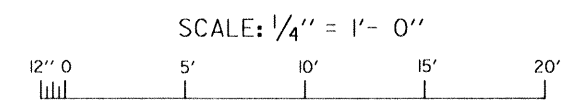
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>IMPROVEMENTS</b> <b>SOUTH OF HARRISON AVE.</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A29.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SGT CITATION NO. DACW29-95-B-0035	DWG. 17 OF 51	
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		

Safety is a Part of Your Contract

EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
G-1	2" GAS LINE	36+80.5	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
S-1	6" FORCED SEWER LINE	36+81.0	CITY OF NEW ORLEANS N.O.R.D.	NOT TO BE DISTURBED
E-5	AERIAL POWERLINE	37+27.5	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED BY OWNER CONCURRENT WITH CONTRACT



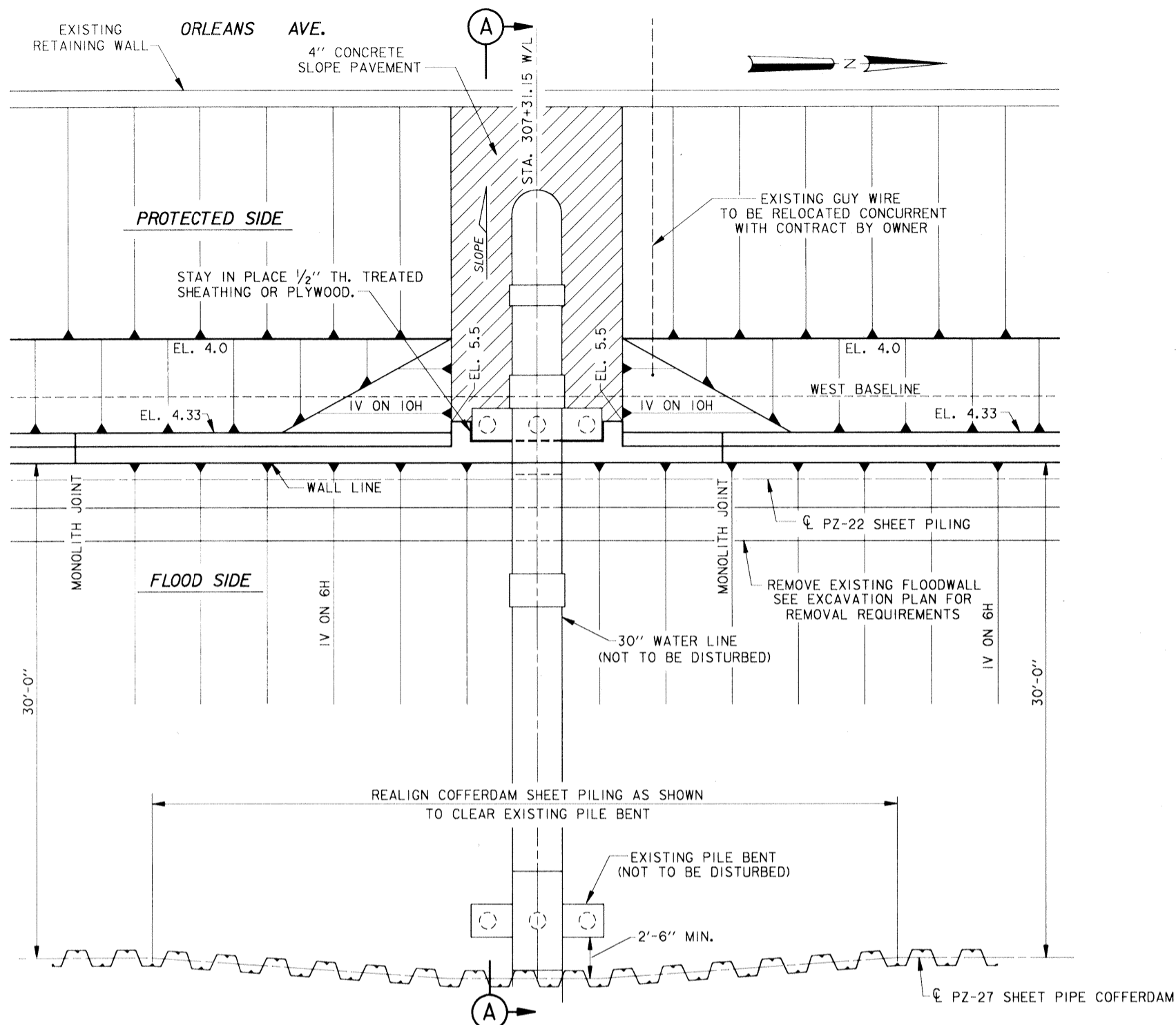
PLAN OF FINISHED GRADES AND DETAILS OF NEW WORK NORTH OF HARRISON AVE.



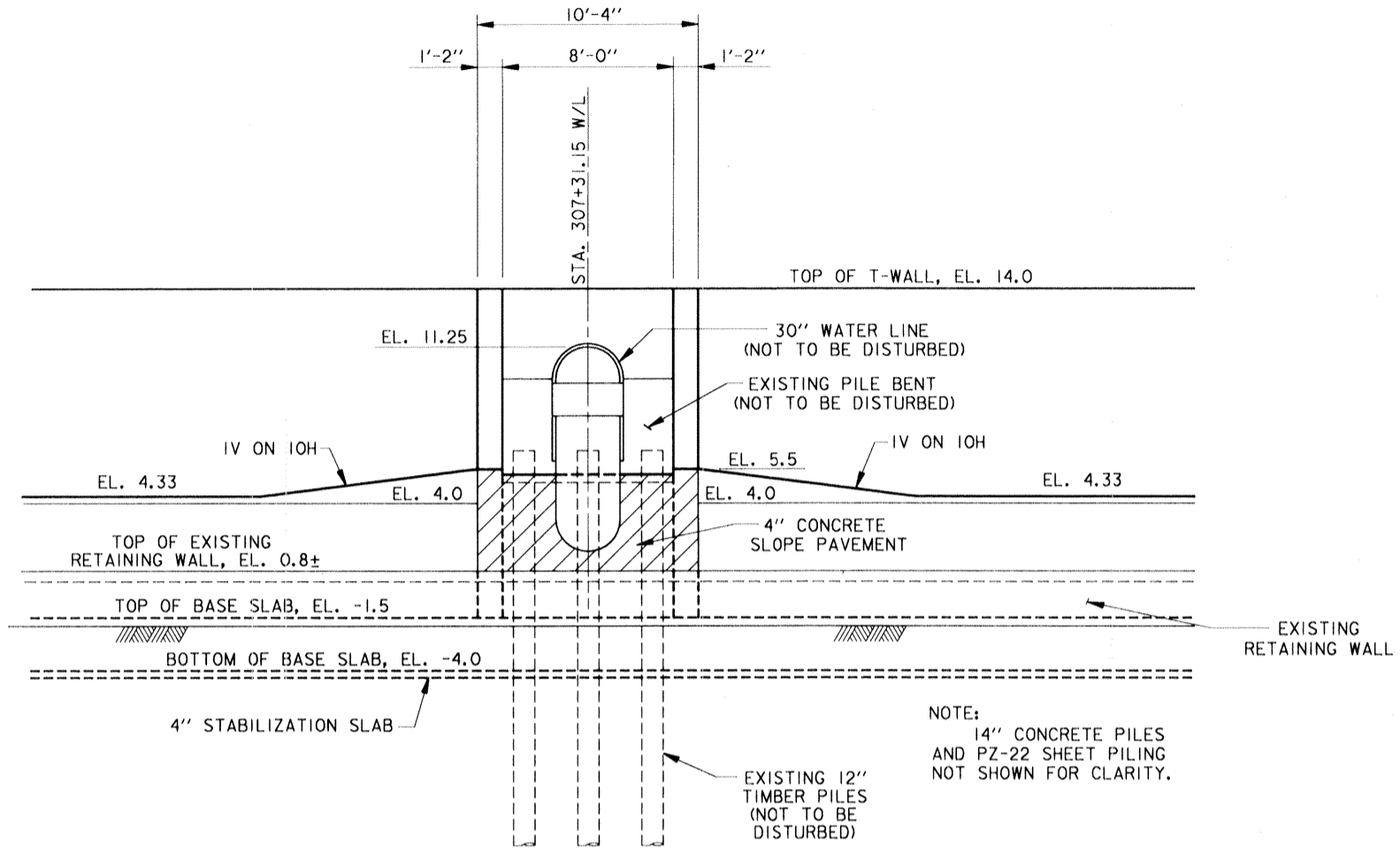
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>IMPROVEMENTS</b> <b>NORTH OF HARRISON AVE.</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A30.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 18	OF 51
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		



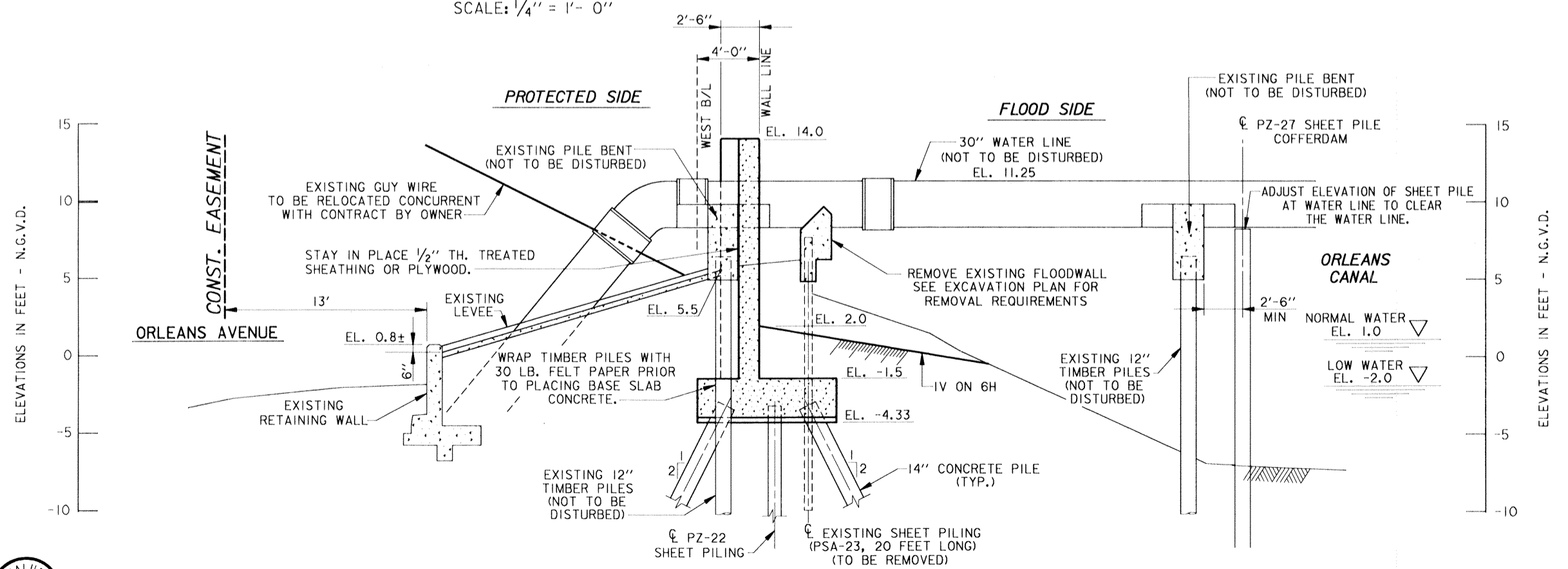
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PARTIAL PLAN VICINITY 30" WATER LINE (STA. 307+31.15 W/L)  
SCALE: 1/4" = 1'-0"



COMPLETED PROTECTED SIDE ELEVATION  
SCALE: 1/4" = 1'-0"



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

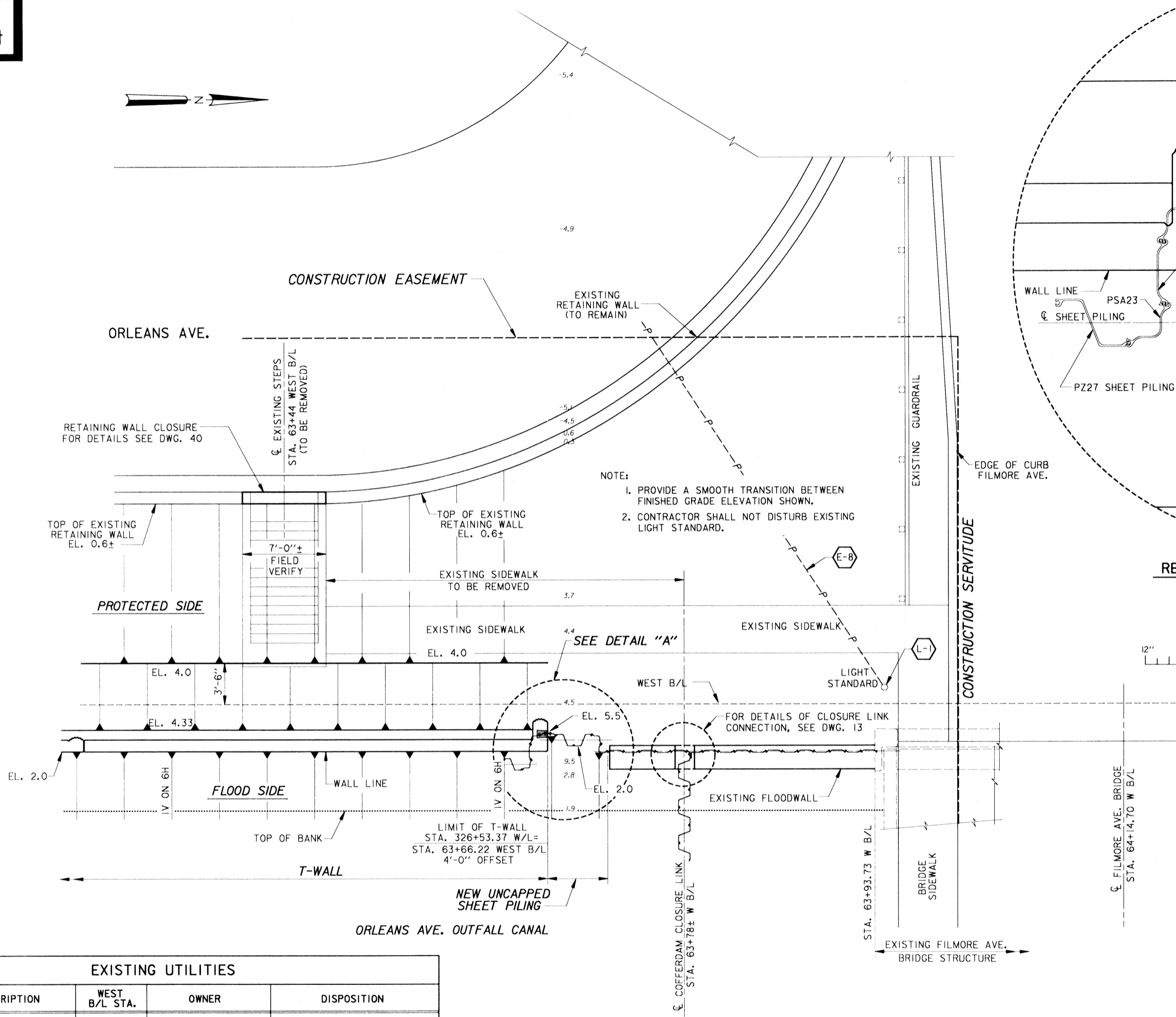
- NOTES:
1. DRIVE ALL SHEET PILING IN SEGMENTS UNDER EXISTING 30" WATER LINE.
  2. REMOVE EXISTING SHEET PILING IN SEGMENTS UNDER EXISTING 30" WATER LINE.

SCALE: 1/4" = 1'-0"  
12' 0" 5' 10' 15' 20'

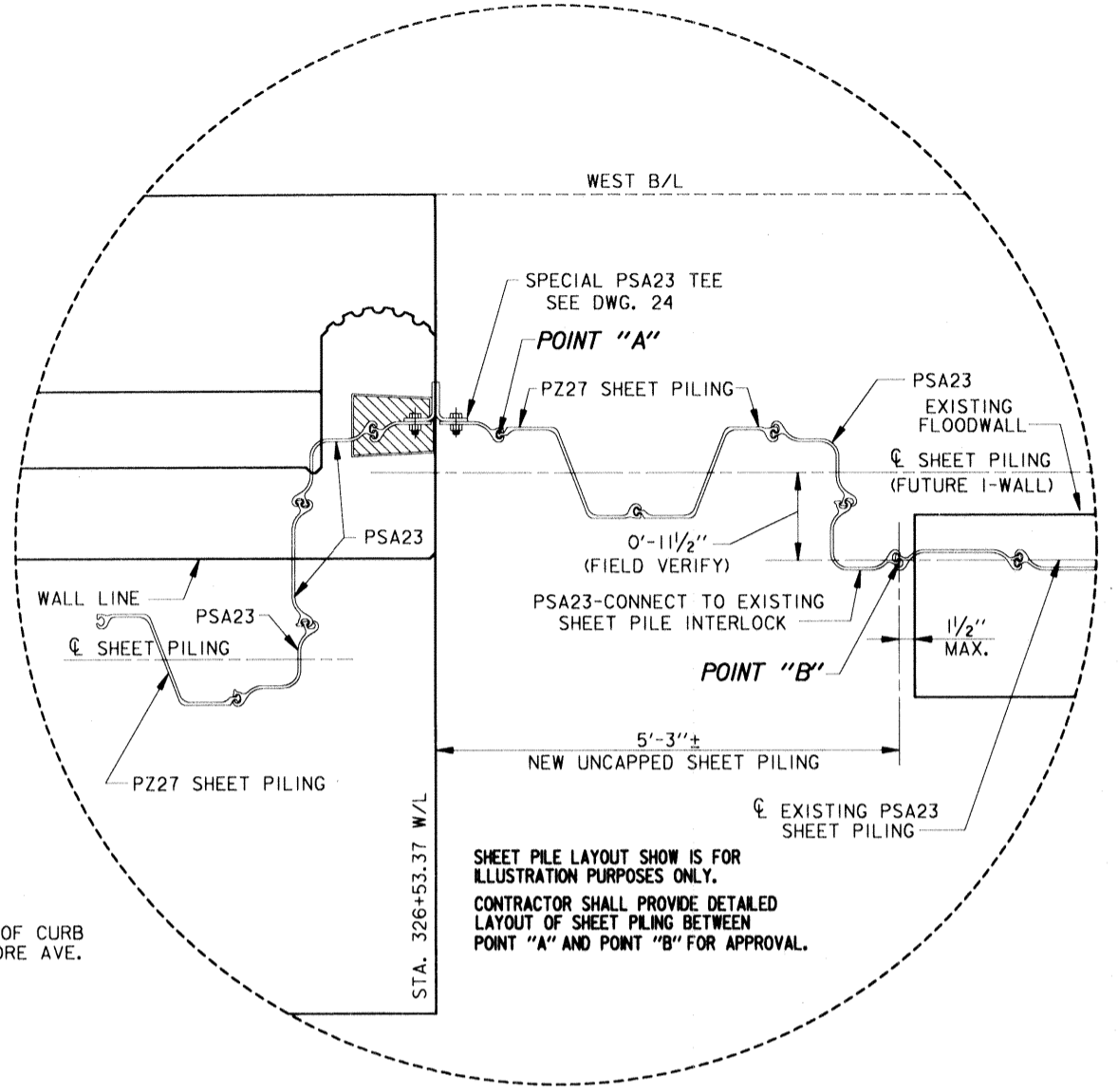
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>PLAN, ELEVATION, AND SECTION</b> <b>VICINITY 30" WATER LINE</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A48.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 19 OF 51
DESIGN ENGINEER			



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NOTE:  
 1. PROVIDE A SMOOTH TRANSITION BETWEEN FINISHED GRADE ELEVATION SHOWN.  
 2. CONTRACTOR SHALL NOT DISTURB EXISTING LIGHT STANDARD.

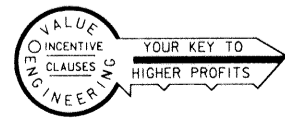


RECOMMENDED SHEET PILE LAYOUT  
**DETAIL A**  
 SCALE: 1" = 0'

EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-8	UNDERGROUND POWERLINE	---	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
L-1	LIGHT STANDARD	63+94.75	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED

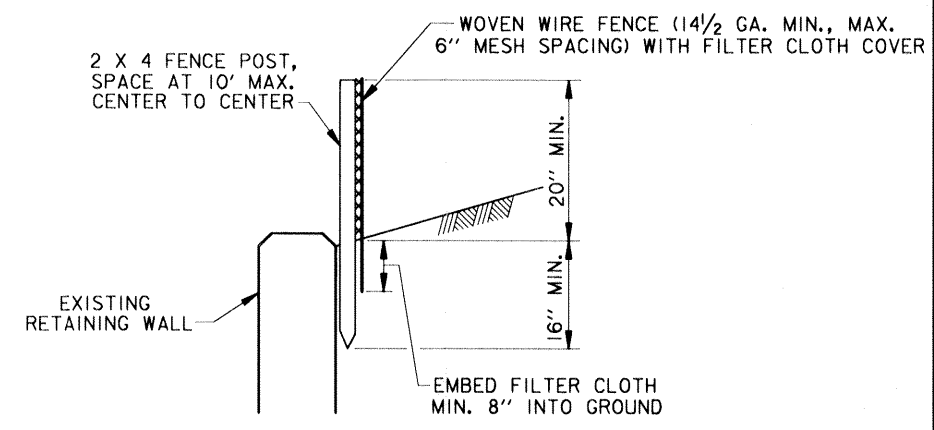
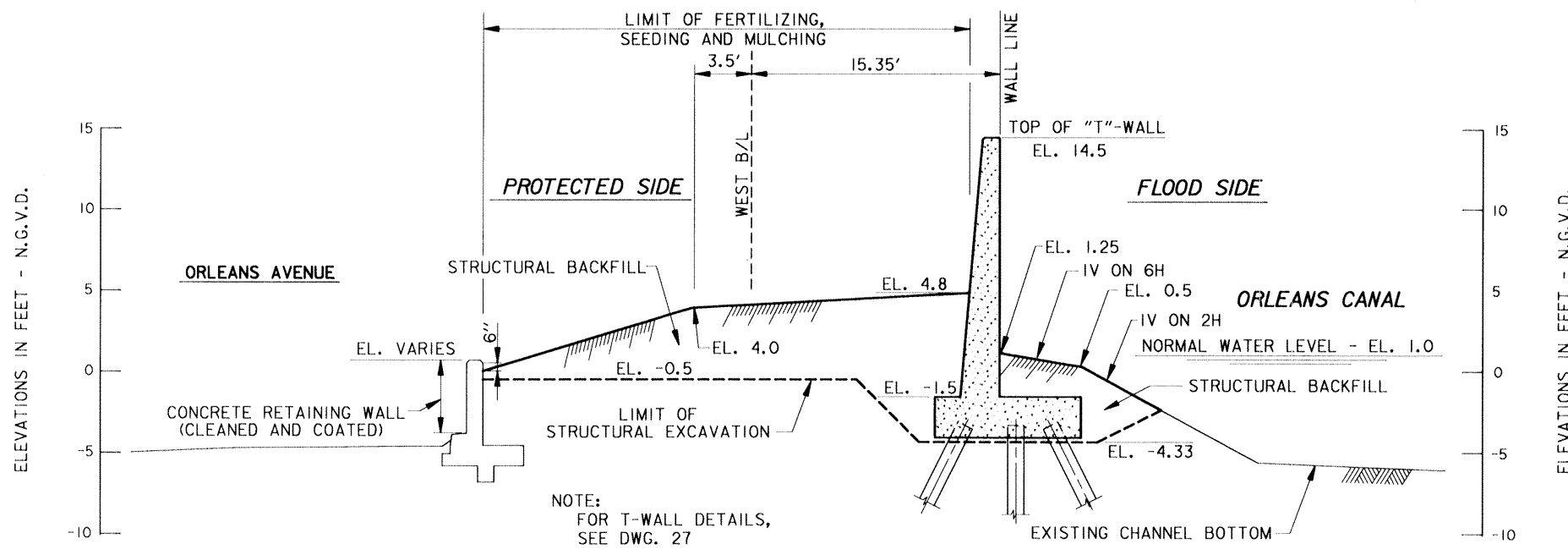
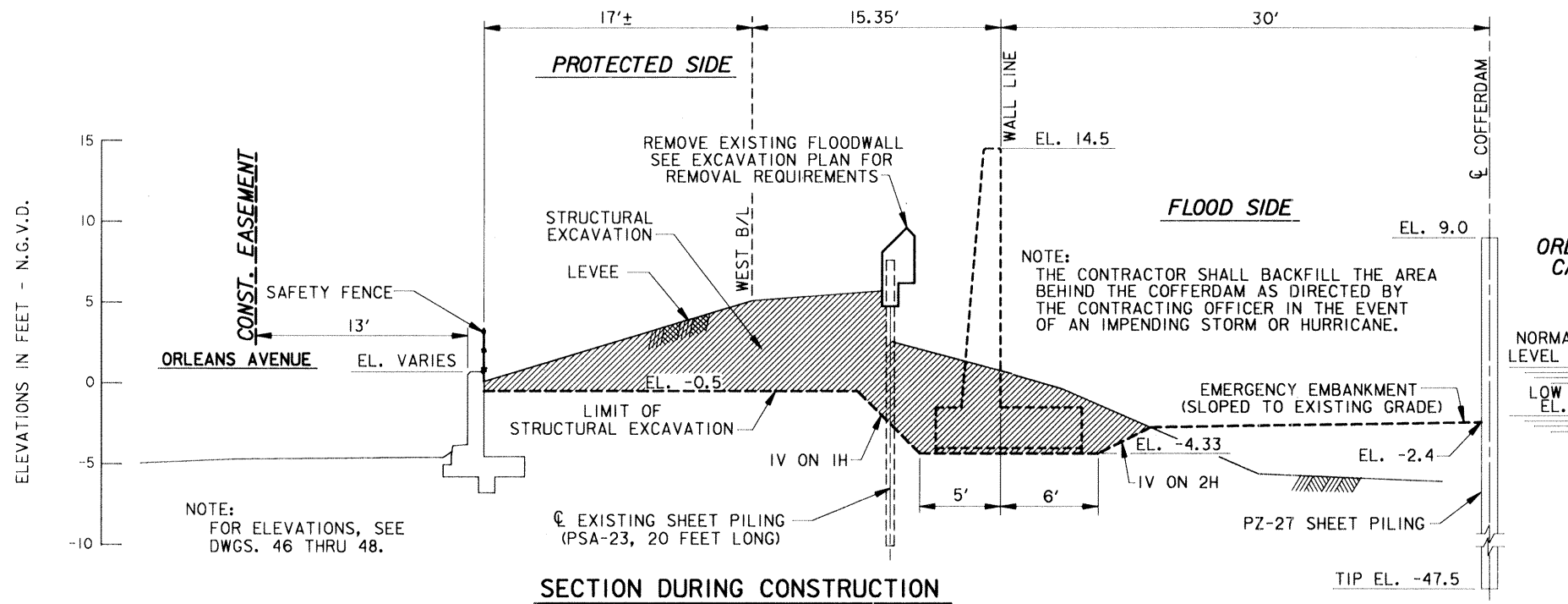
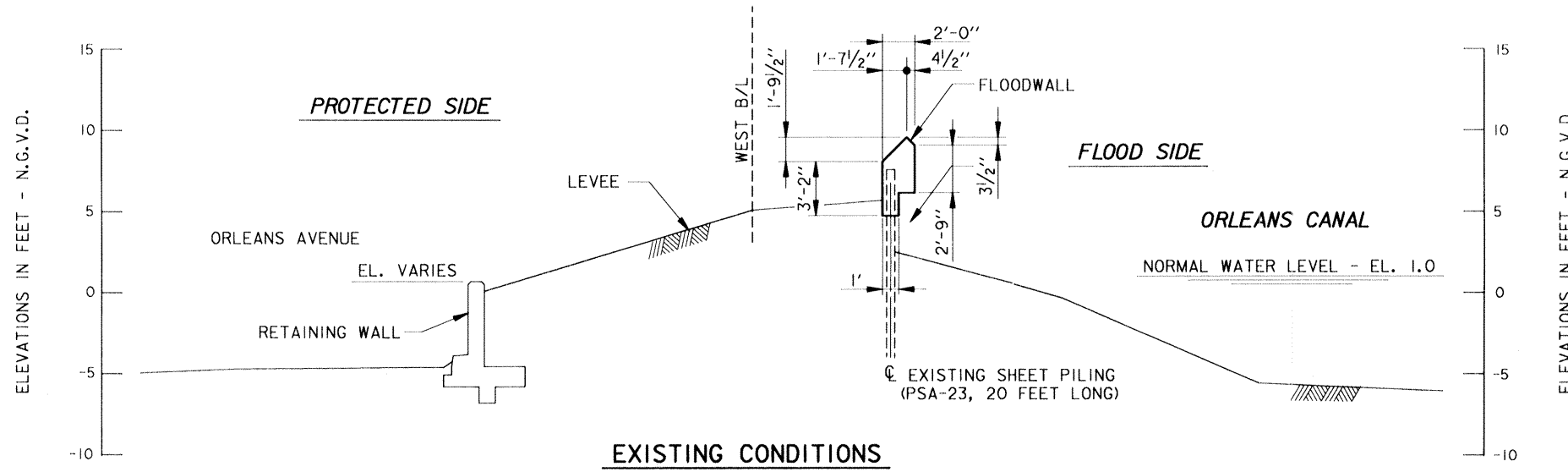
PLAN OF FINISHED GRADES AND DETAILS OF NEW WORK SOUTH OF FILMORE AVE.

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

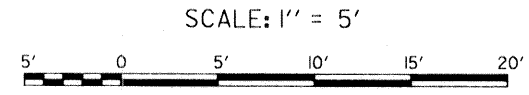


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>IMPROVEMENTS SOUTH OF FILMORE AVE.</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CHECKED BY: J. ROMERO	CADD FILE: 40393A28.DGN	FILE NO. H-4-40393
SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 20 OF 51	

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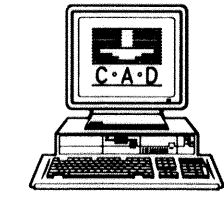


SILT FENCE  
N.T.S.

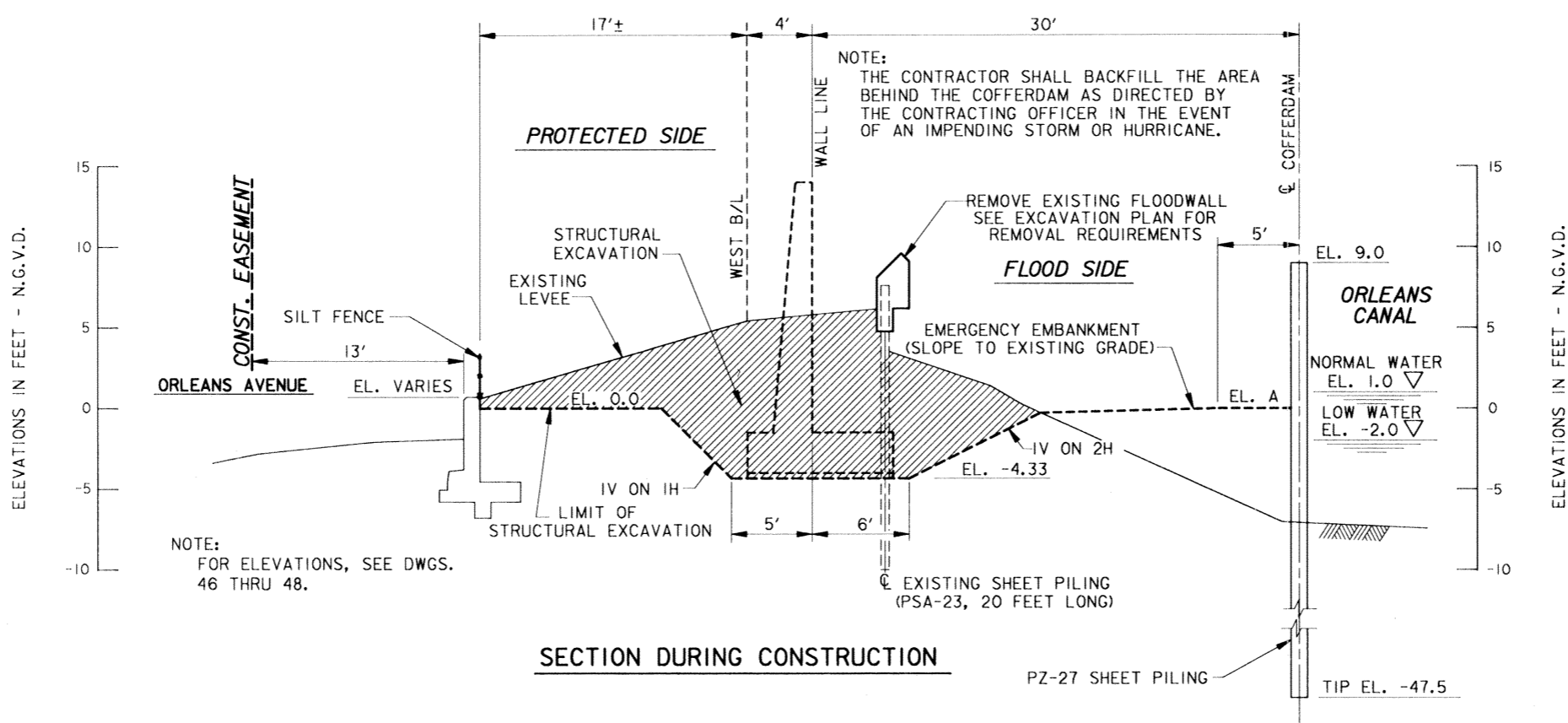
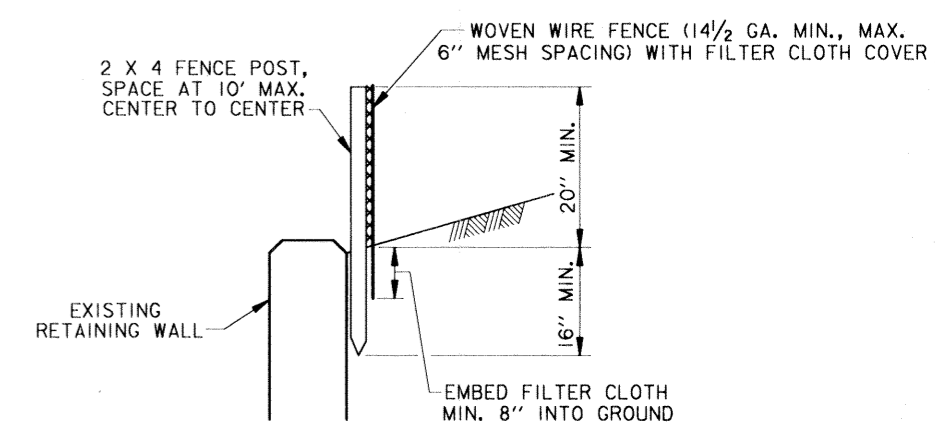
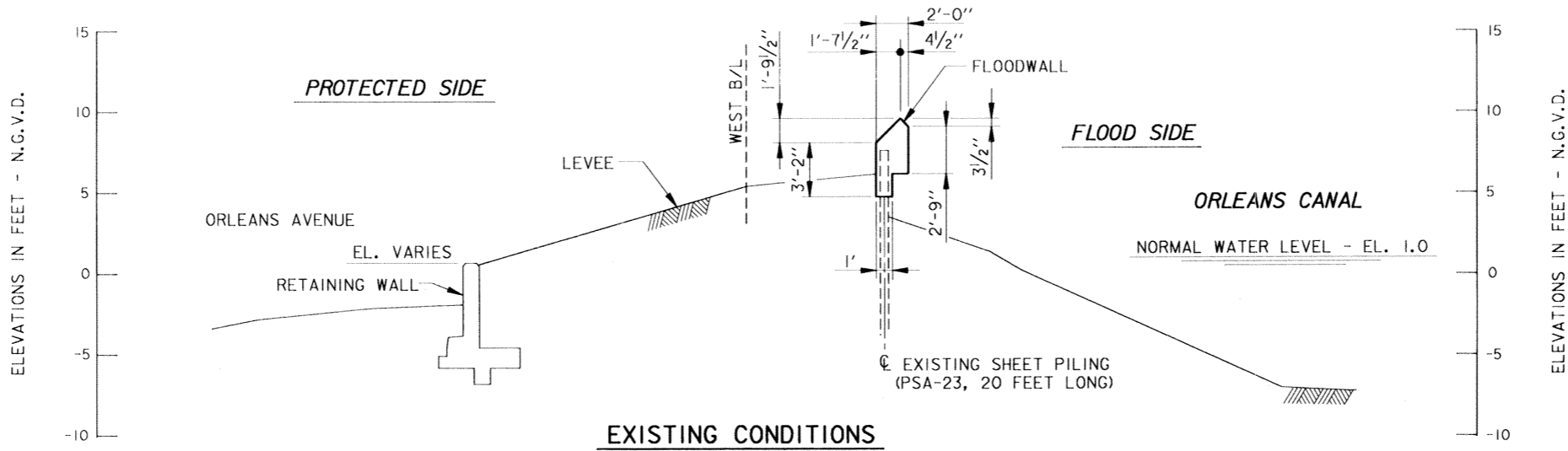


TYPICAL SECTIONS  
STA. 100+40.26 W/L TO STA. 103+52.32 W/L

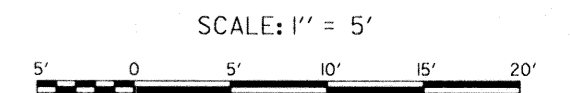
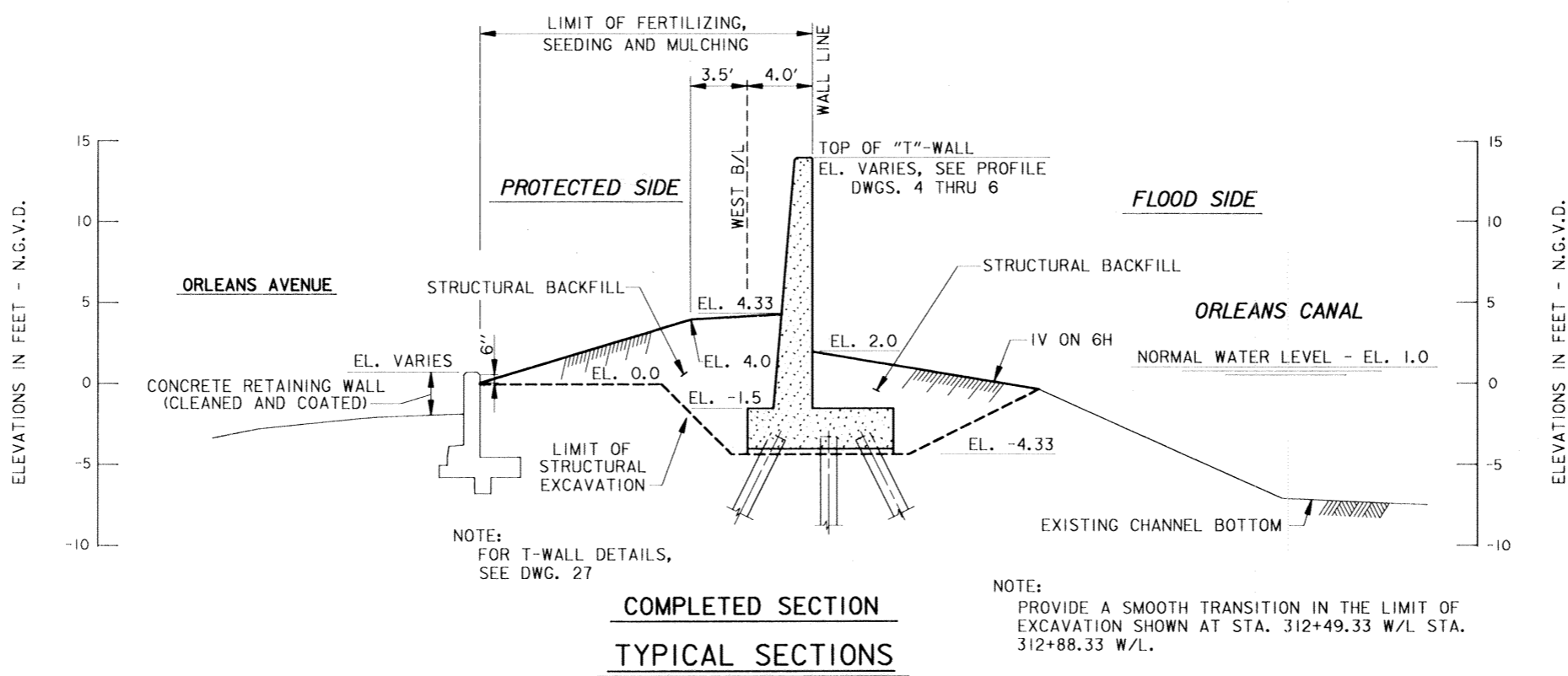
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>TYPICAL SECTIONS</b> <b>STA. 100+40.26 W/L - STA. 103+52.32 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 60	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A31.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 21 OF 51	
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		



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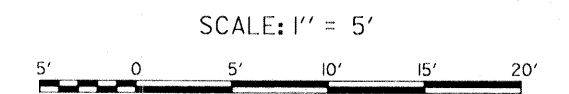
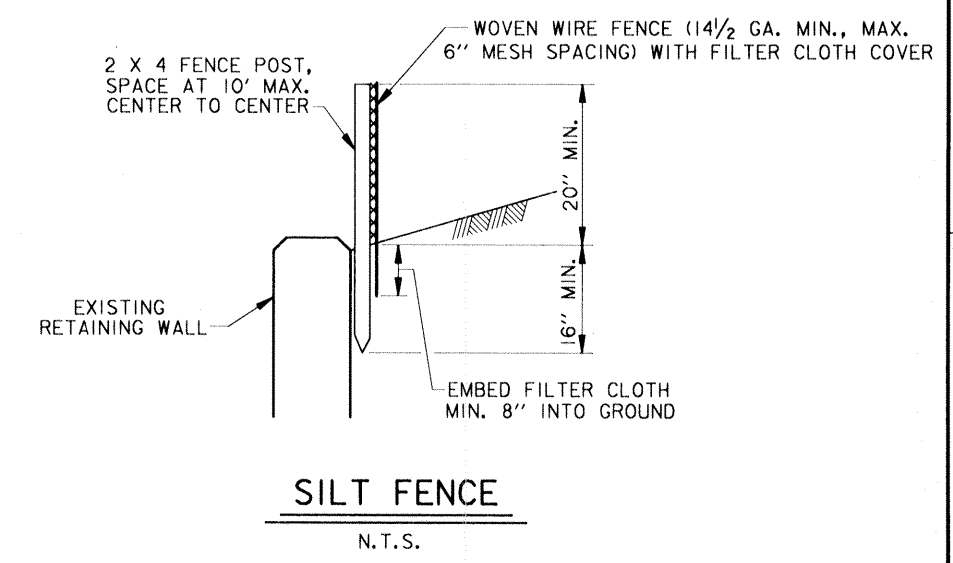
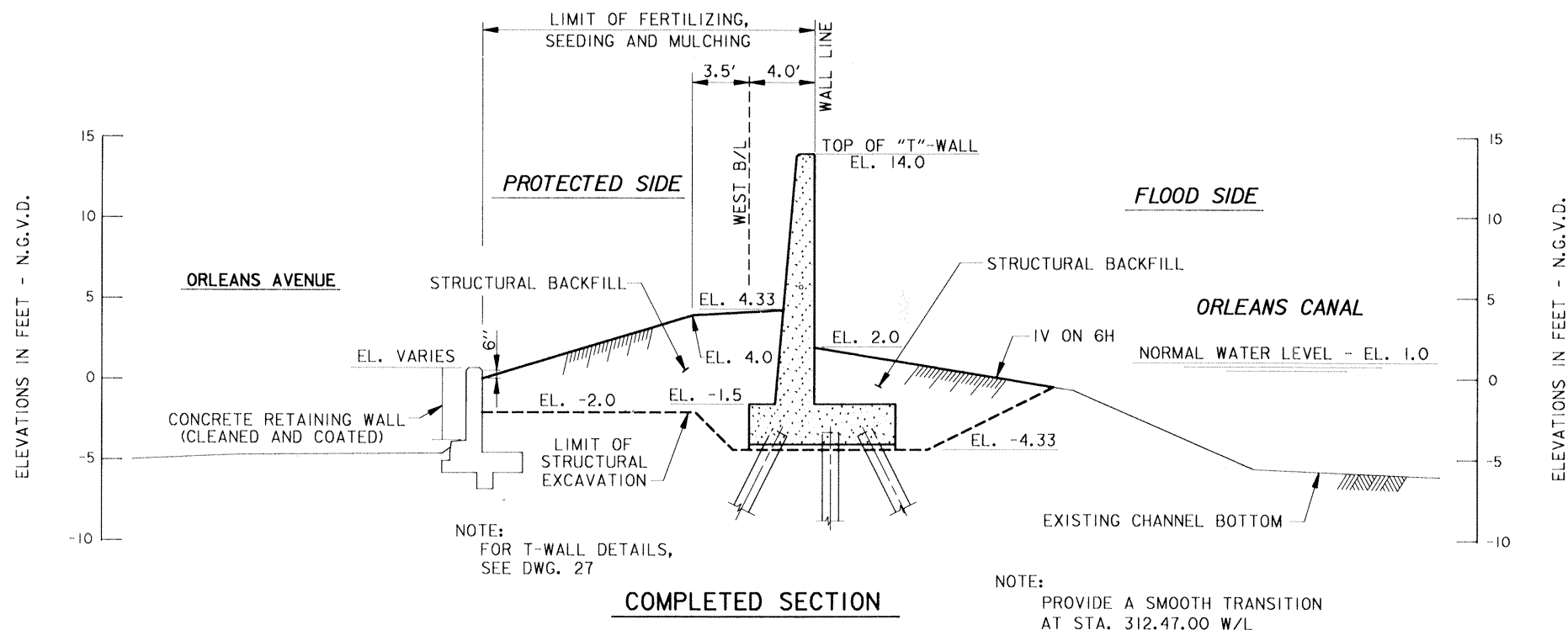
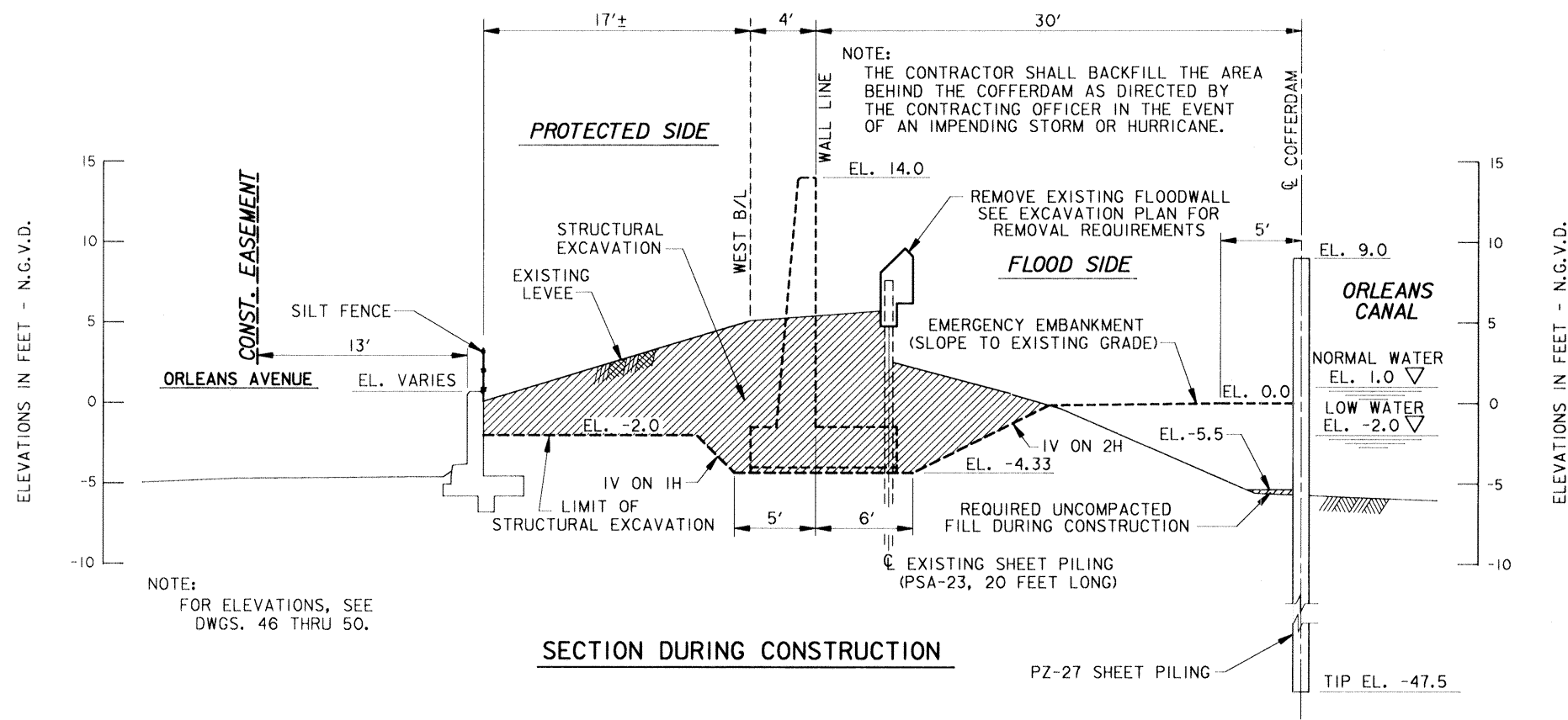
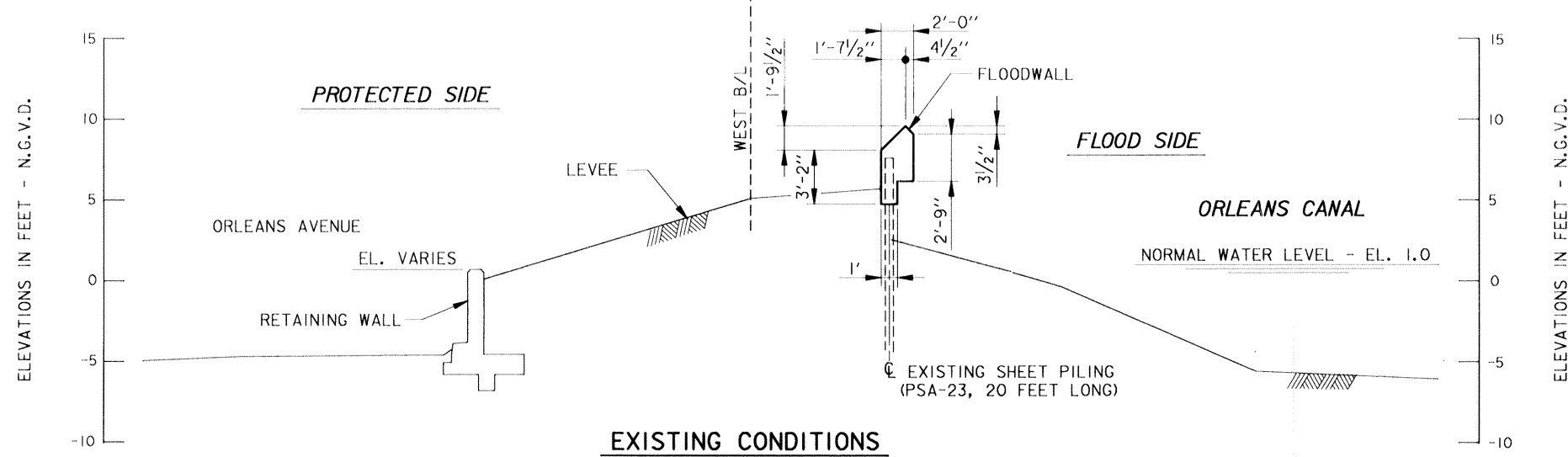
FROM STATION WALL LINE	TO STATION WALL LINE	EL. A
200+31.28	207+33.22	-3.5
300+00.0	312+49.33	-1.5



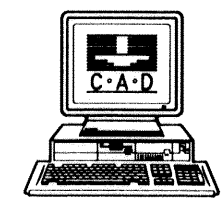
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>TYPICAL SECTIONS</b> <b>STA. 200+31.28 W/L - STA. 207+33.32 W/L</b> <b>STA. 300+00.00 W/L - STA. 312+49.33 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 60	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CHECKED BY: J. ROMERO	CADD FILE: 40393A35.DGN	FILE NO: H-4-40393
SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DESIGN ENGINEER	DWG. 22 OF 51



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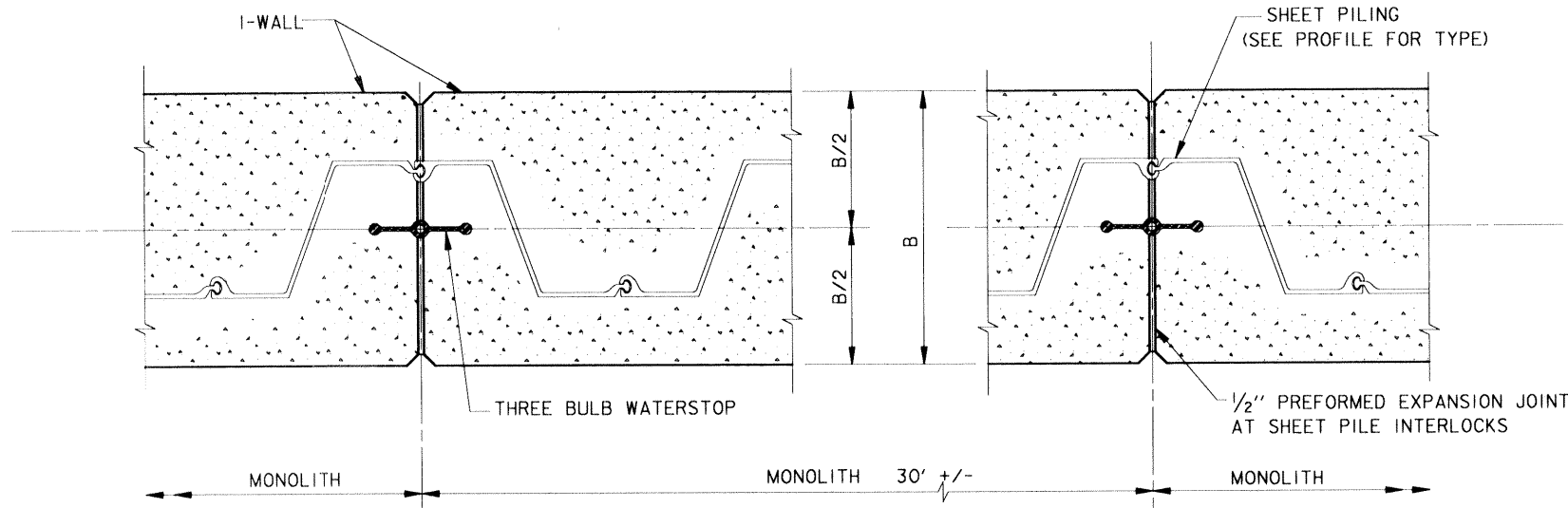


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>TYPICAL SECTIONS</b> <b>STA. 312+88.00 W/L - STA. 326+53.35 W/L</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 60	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A32.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 23 OF 51





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TYPICAL MONOLITH AT SHEET PILE INTERLOCKS

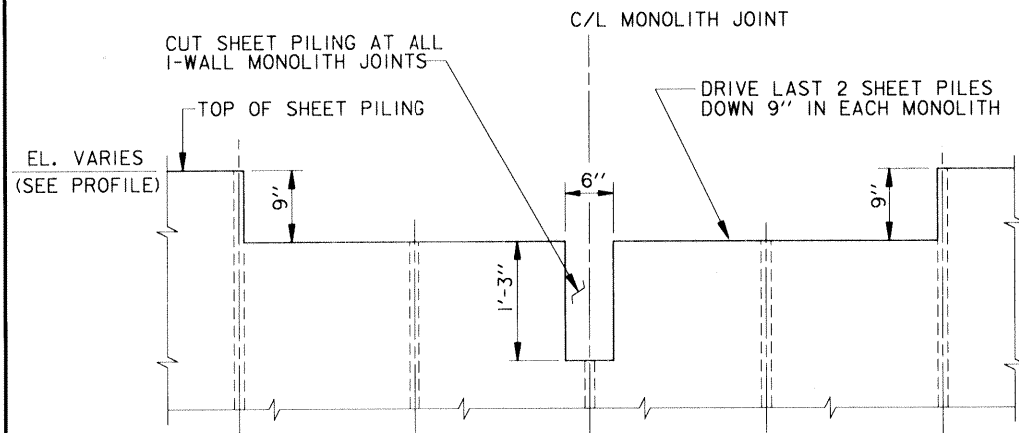
SCALE: 3/4" = 1'-0"

NOTE:

EACH I-WALL MONOLITH SHALL END AT THE CENTER OF THE NEAREST SHEET PILE INTERLOCK.

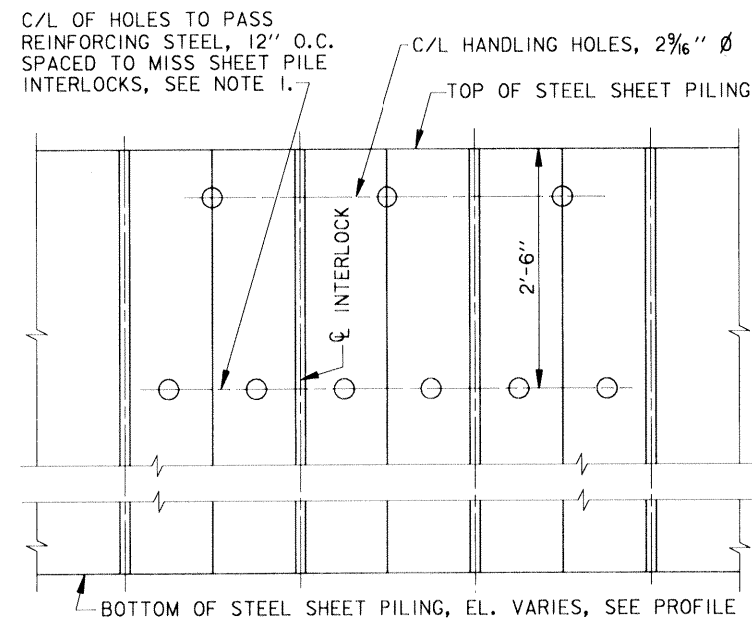
SHEET PILE NOTES:

- 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.
- ANY SUBSTITUTIONS SHALL BE SUBMITTED TO THE CONTRACTING OFFICER REPRESENTATIVE FOR APPROVAL.
- STEEL SHEET PILE SURFACE PREPARATION AND PAINTING SHALL BE IN ACCORDANCE WITH SECTION 9A OF THE SPECIFICATIONS.



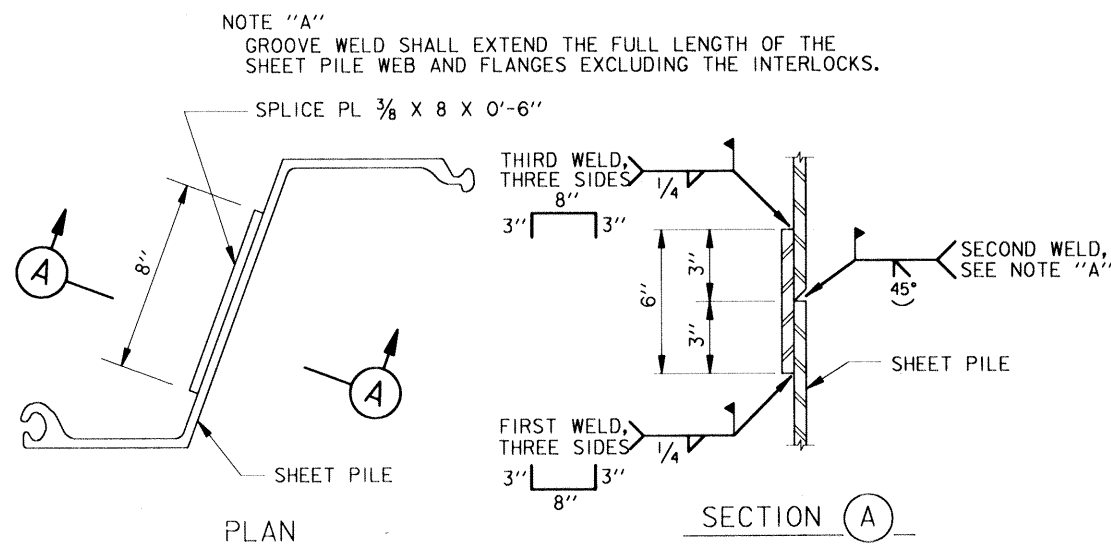
SHEET PILING DETAILS I-WALL MONOLITH JOINTS

SCALE: 1" = 1'-0"



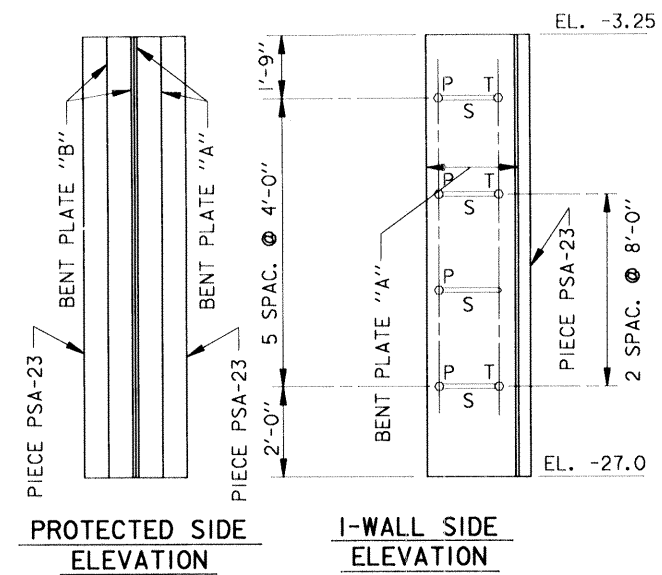
DETAILS OF HOLES IN SHEET PILING

SCALE: 1" = 1'-0"



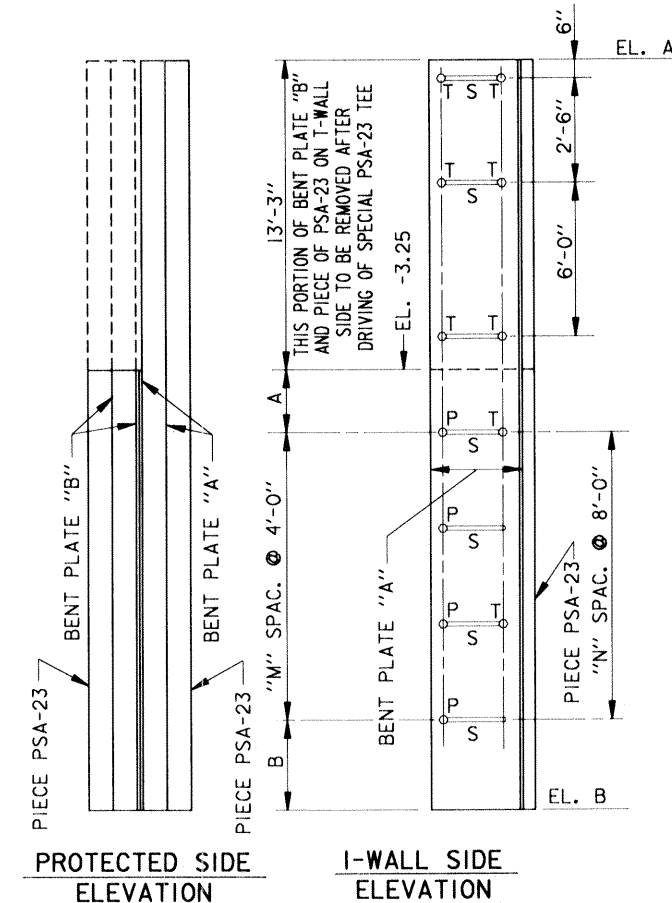
SHEET PILE SPLICE DETAIL

SCALE: 3" = 1'-0"



ELEVATION OF SPECIAL PSA-23 TEE SHOWING BENT PLATES BOLT SPACING

NOT TO SCALE



ELEVATION OF SPECIAL PSA-23 TEE SHOWING BENT PLATES BOLT SPACING

NOT TO SCALE

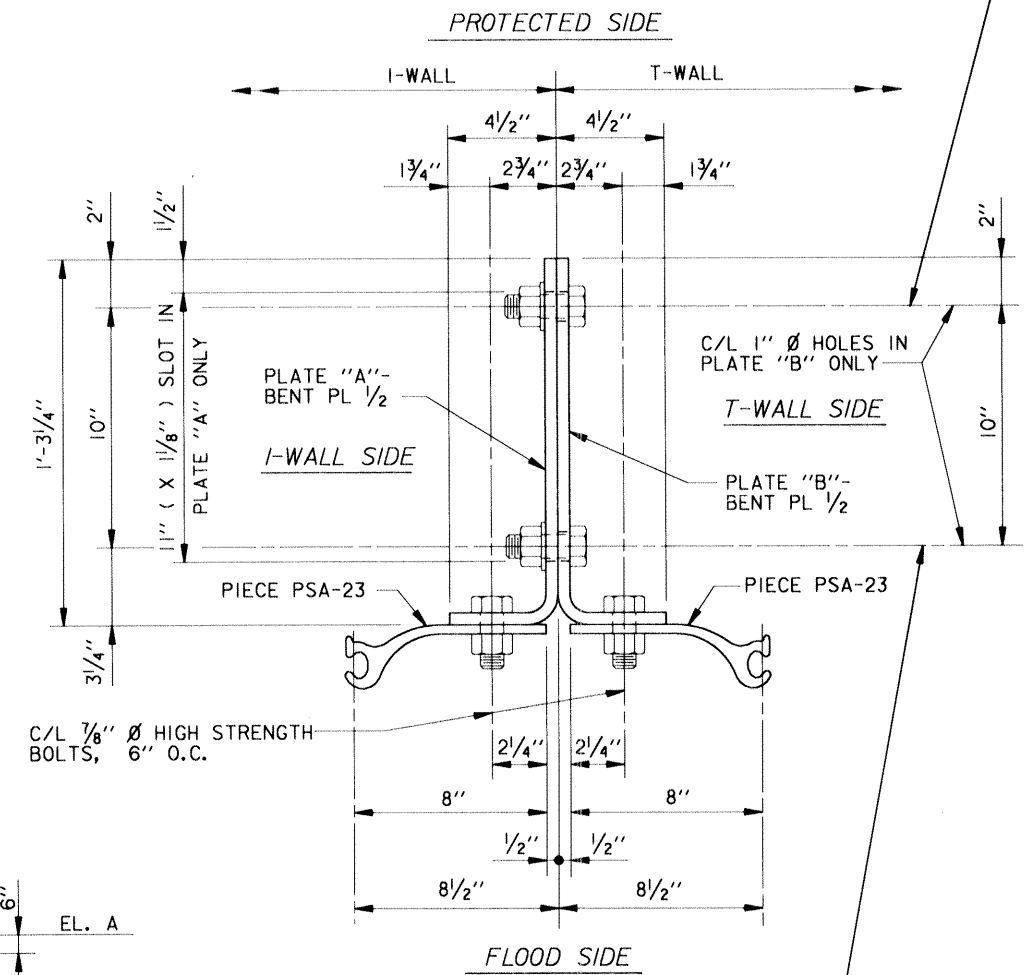
W/L STA.	ELEV. A	ELEV. B	DIM. A	DIM. B	N	M
207+33.32	10.0	-25.0	0'-9"	1'-0"	2	5
300+00.00	10.0	-26.0	0'-9"	2'-0"	2	5
326+53.37	10.0	-34.0	0'-9"	2'-0"	3	7

REFERENCE DRAWINGS

- FOR GENERAL NOTES, SEE DWG. 2.
- FOR PLAN AND PROFILE, SEE DWGS. 3, 4, 5, AND 8.
- FOR TYPICAL WALL SECTIONS, SEE DWG. 27.
- FOR MISCELLANEOUS DETAILS, SEE DWG. 39.

PERMANENT BOLTS

C/L 7/8" Ø HIGH STRENGTH BOLTS W/ FLAT WASHERS. SEE ELEVATION OF SPECIAL PSA-23 TEE SHOWING BENT PLATES BOLT SPACING.



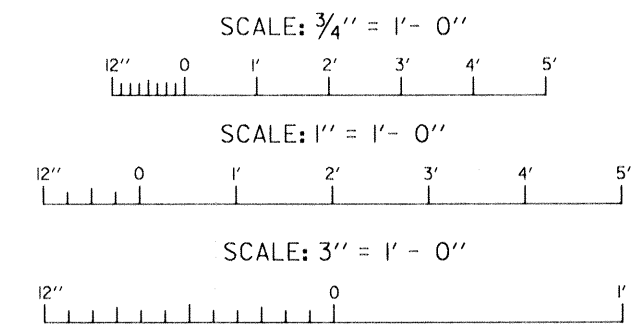
TEMPORARY DRIVING BOLTS

C/L 7/8" Ø HIGH STRENGTH BOLTS W/ FLAT WASHERS. SEE ELEVATION OF SPECIAL PSA-23 TEE SHOWING BENT PLATES BOLT SPACING. THESE BOLTS ARE TO BE REMOVED AS SPECIAL PSA-23 TEE IS DRIVEN, SO THAT UPON COMPLETION OF DRIVING NO TEMPORARY BOLTS SHALL REMAIN.

DETAIL 1

SPECIAL PSA-23 TEE

SCALE: 3" = 1'-0"



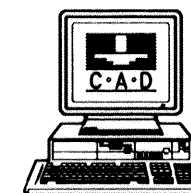
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

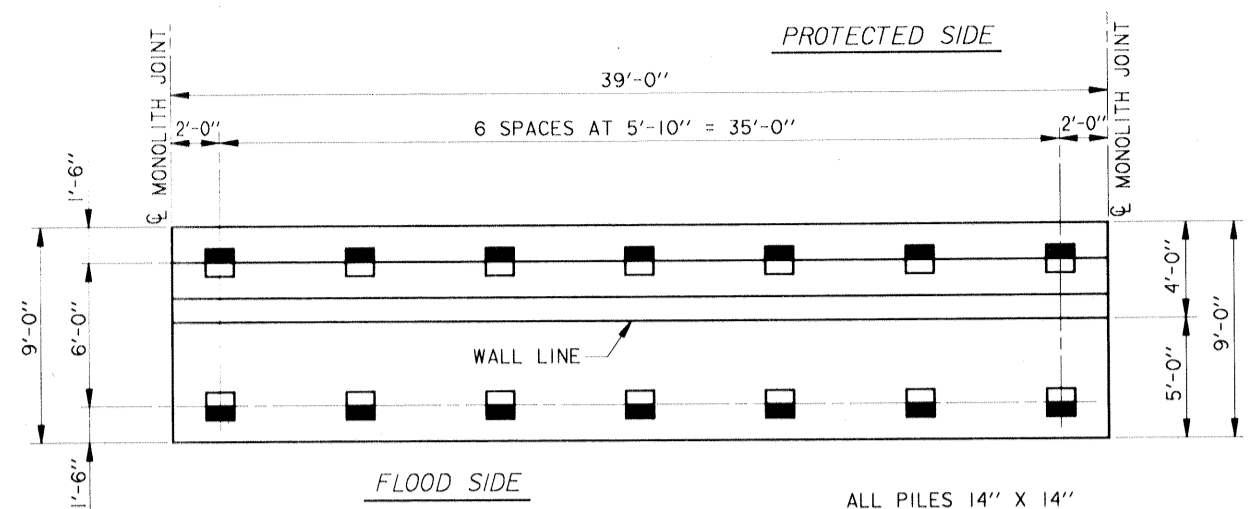
LAKE PONCHARTRAIN, LOUISIANA AND VICINITY  
HIGH LEVEL PLAN  
ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION  
PHASE II-C (WEST SIDE)-FLOODWALL  
STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L  
ORLEANS PARISH, LOUISIANA

SHEET PILE DETAILS

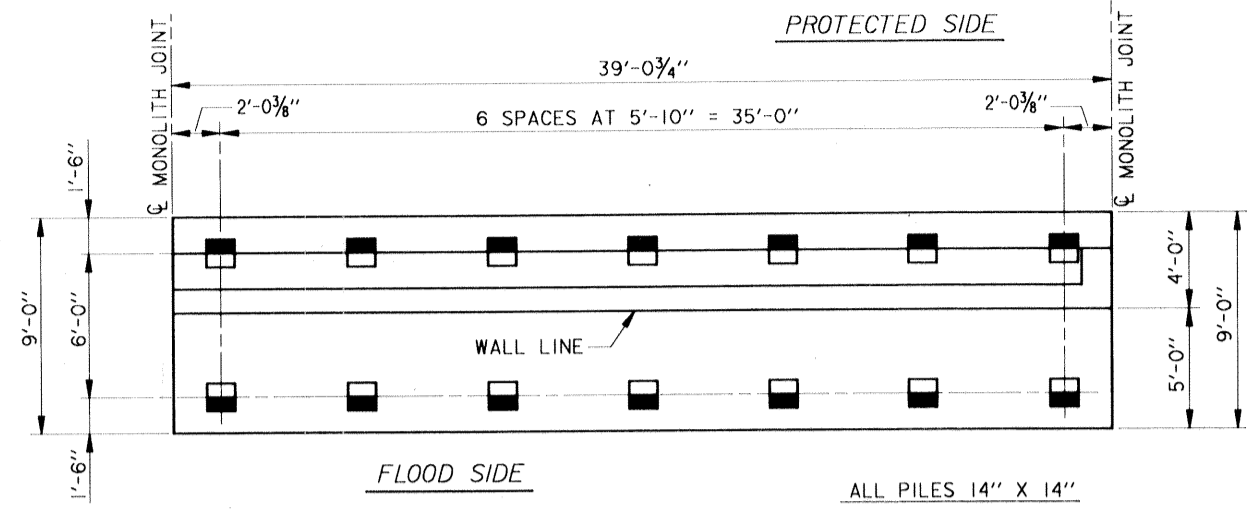
DESIGNED BY: M.DESAI	DATE: NOV. 94	PLOT SCALE: 4	PLOT DATE: NOV. 94
DRAWN BY: B.DORCEY	CHECKED BY: J.ROMERO	CADD FILE: 40393d09.dgn	FILE NO. H-4-40393
SUBMITTED BY: J.ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 24 OF 51	



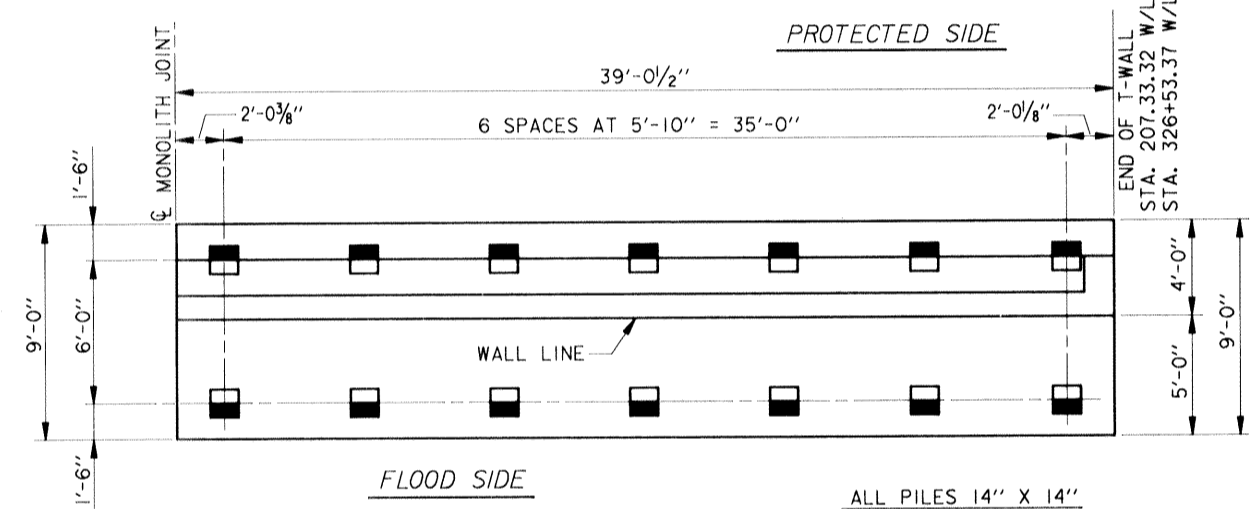
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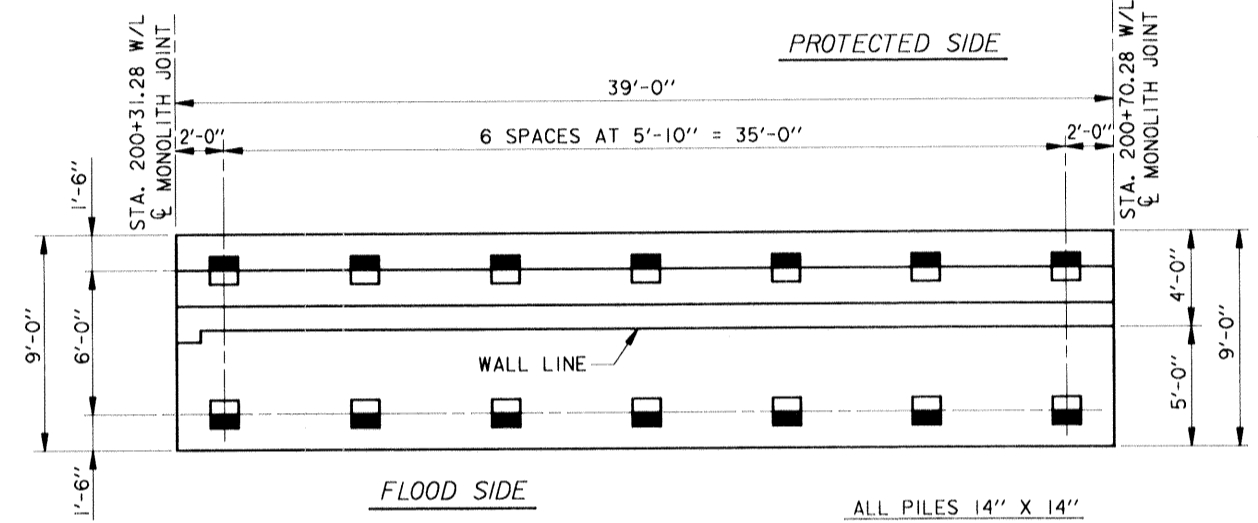
STA. 100+40.26 W/L TO STA. 103+13.26 W/L (7 MONOLITHS)  
 STA. 200+70.28 W/L TO STA. 206+94.28 W/L (16 MONOLITHS)  
 STA. 300+40.33 W/L TO STA. 307+03.33 W/L (17 MONOLITHS)  
 STA. 307+42.33 W/L TO STA. 326+14.33 W/L (48 MONOLITHS)



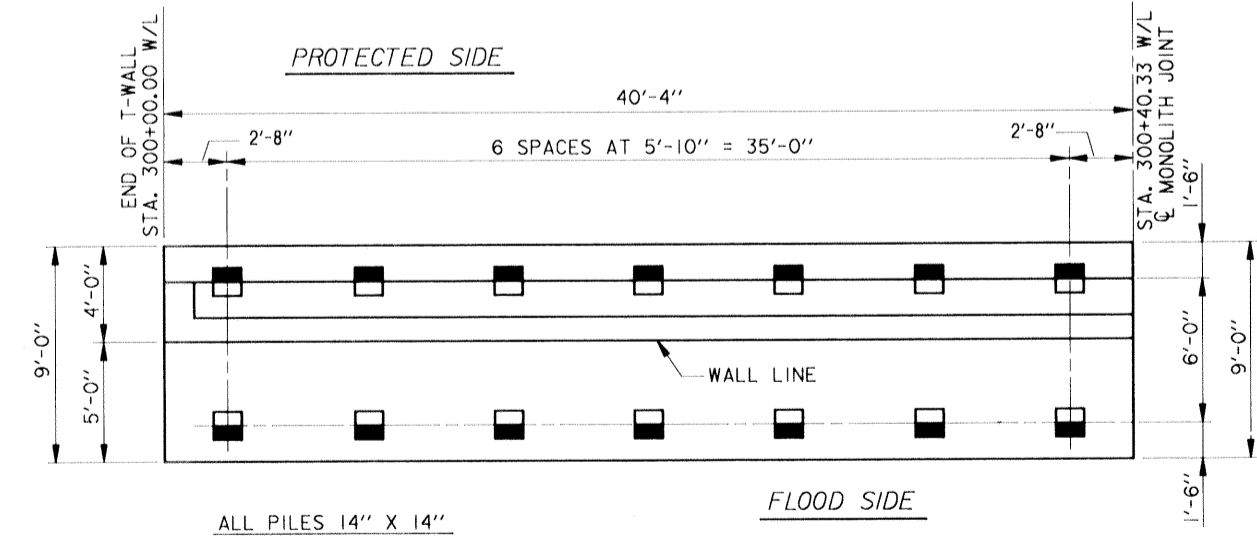
STA. 103+13.26 W/L TO STA. 103+52.32 W/L



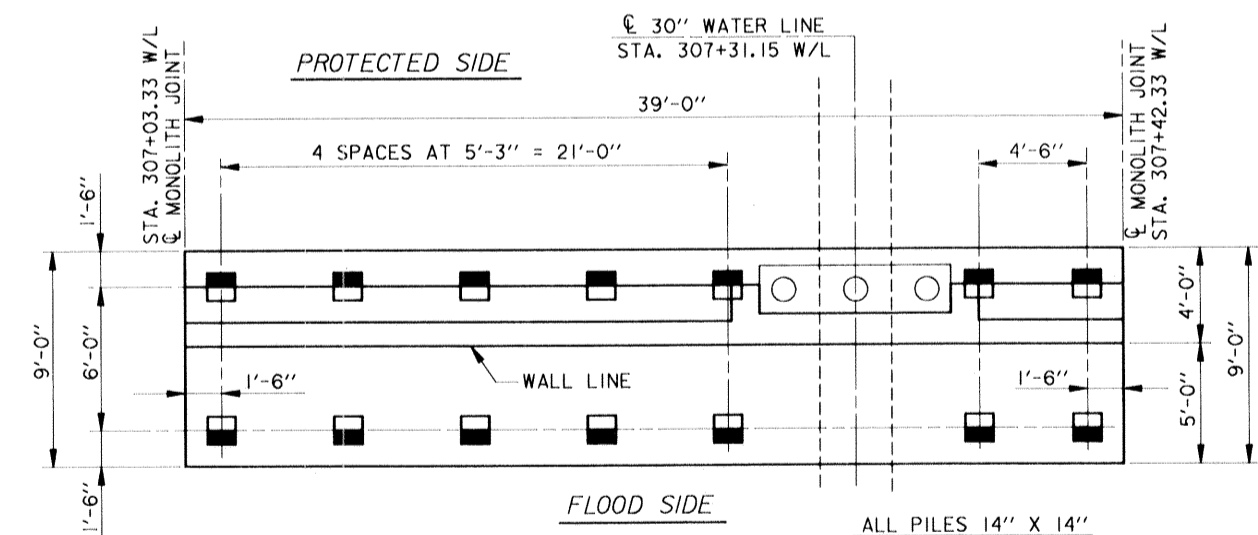
STA. 206+94.28 W/L TO STA. 207+33.32 W/L  
 STA. 326+14.33 W/L TO STA. 326+53.37 W/L



STA. 200+31.28 W/L TO STA. 200+70.28 W/L



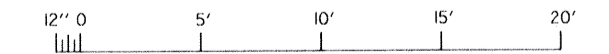
STA. 300+00.00 W/L TO STA. 300+40.33 W/L



STA. 307+03.33 W/L TO STA. 307+42.33 W/L

PILING AND MONOLITH LAYOUT

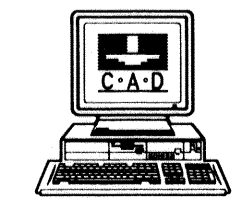
SCALE: 1/4" = 1'-0"



LEGEND


- PRESTRESSED CONCRETE BATTER PILES
- ▨ SHADED SIDE INDICATES DIRECTION OF BATTER

NOTE: ALL PILES BATTERED 2V ON 1H UNLESS OTHERWISE NOTED.



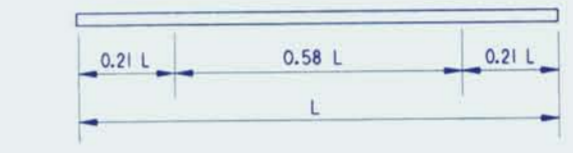
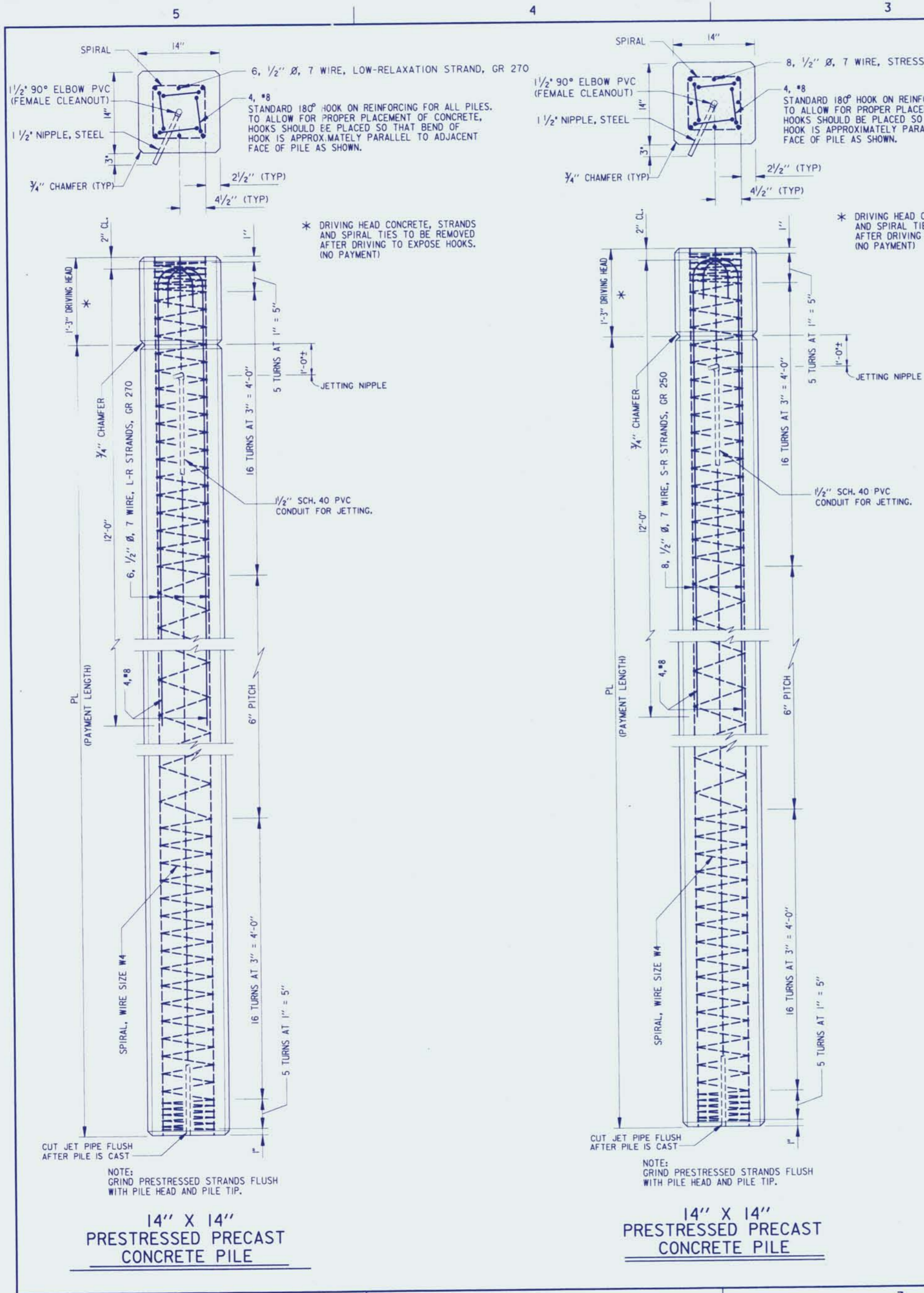
REFERENCE DRAWINGS

- GENERAL NOTES, DWG. 2
- PLAN AND PROFILE, DWGS. 3 THRU 8
- TYPICAL T-WALL SECTIONS, DWG. 27
- CONCRETE PILE DETAILS, DWG. 26

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 <b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>PILING AND MONOLITH LAYOUT</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A34.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 25 OF 51	
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		



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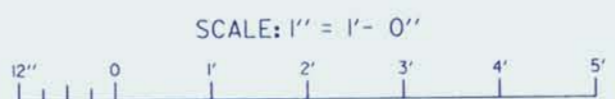


2 POINT PICKUP (L ≤ 84') 14" X 14" PILE  
NOTE: PICKUP POINTS TO BE PLAINLY MARKED ON PILES

W/L STATIONS	PILE SIZE	NUMBER OF PILES	PILE BATTER	PILE TIP ELEVATION	PAYMENT LENGTH		MAXIMUM JETTING PRESSURE	
					PROTECTED SIDE	FLOOD SIDE	EL. TO APPROX. EL.	APPROX. EL. TO EL.
100+40.26 TO 103+52.32	14"x14"	56	2V ON IH	-64.0	—	68'-0"	30 PSI	-20 150 PSI
		56	2V ON IH	-64.0	68'-0"	—	-6.5 TO -20	-10 TO -44
200+31.28 TO 207+33.32	14"x14"	126	2V ON IH	-64.0	—	68'-0"	30 PSI	-20 150 PSI
		126	2V ON IH	-64.0	68'-0"	—	-6.5 TO -20	-20 TO -45
300+00.00 TO 302+74.33	14"x14"	49	2V ON IH	-64.0	—	68'-0"	30 PSI	-20 150 PSI
		49	2V ON IH	-64.0	68'-0"	—	-6.5 TO -20	-12 TO -45
302+74.33 TO 317+95.33	14"x14"	273	2V ON IH	-70.0	—	74'-9"	30 PSI	150 PSI
		273	2V ON IH	-70.0	74'-9"	—	-6.5 TO -20	-10 TO -42
317+95.33 TO 326+53.37	14"x14"	154	2V ON IH	-70.0	—	74'-9"	30 PSI	150 PSI
		154	2V ON IH	-70.0	74'-9"	—	-6.5 TO -23	-23 TO -42

- NOTES
- FOR GENERAL NOTES, SEE DWG. 2
  - ALL OF THE PILES SHALL HAVE A CONDUIT FOR JETTING INSTALLED WITHIN THE PILE. JET SHALL DISCHARGE FROM THE TIP OF THE PILE ONLY. SEE SPECIFICATIONS 02362-6.3.
  - THE CONTRACTOR MAY ADJUST, WITH CONTRACTING OFFICER'S APPROVAL, JETTING PRESSURE AT APPROXIMATELY THE ABOVE STATED ELEVATIONS TO BETTER CONFORM TO TOP OF SAND STRATA ELEVATIONS.

REFERENCE DRAWINGS  
L PILING AND MONOLITH LAYOUT, DWG. 25

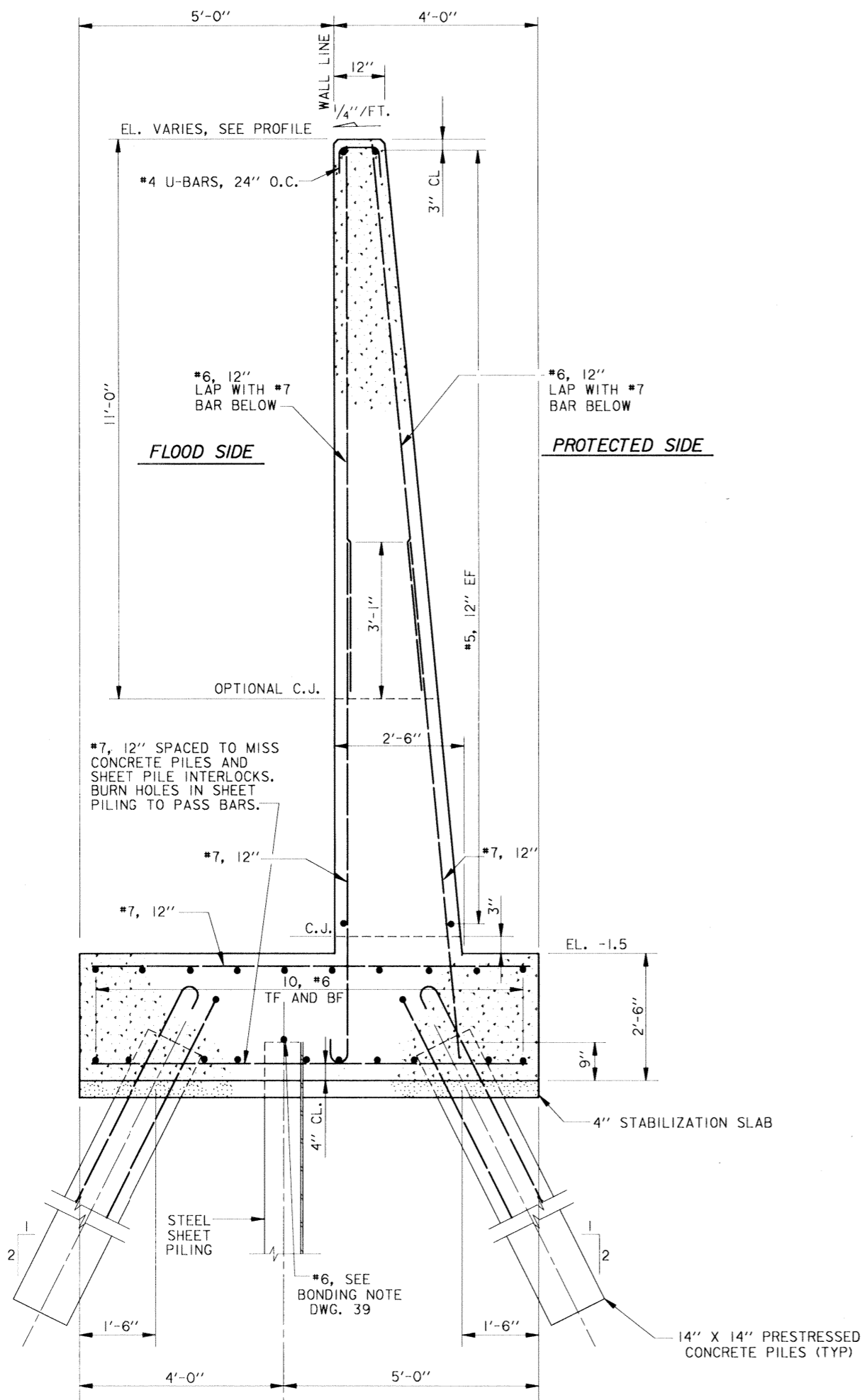


**Amend # 1: Revised Jetting Pressure & Elev** 11/14/99 JRC

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>CONCRETE PILE DETAILS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 1	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393D03.DGN	FILE NO. <b>H-4-40393</b>	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035		
SUBMITTED BY: J. ROMERO	DWG. 26 OF 51		



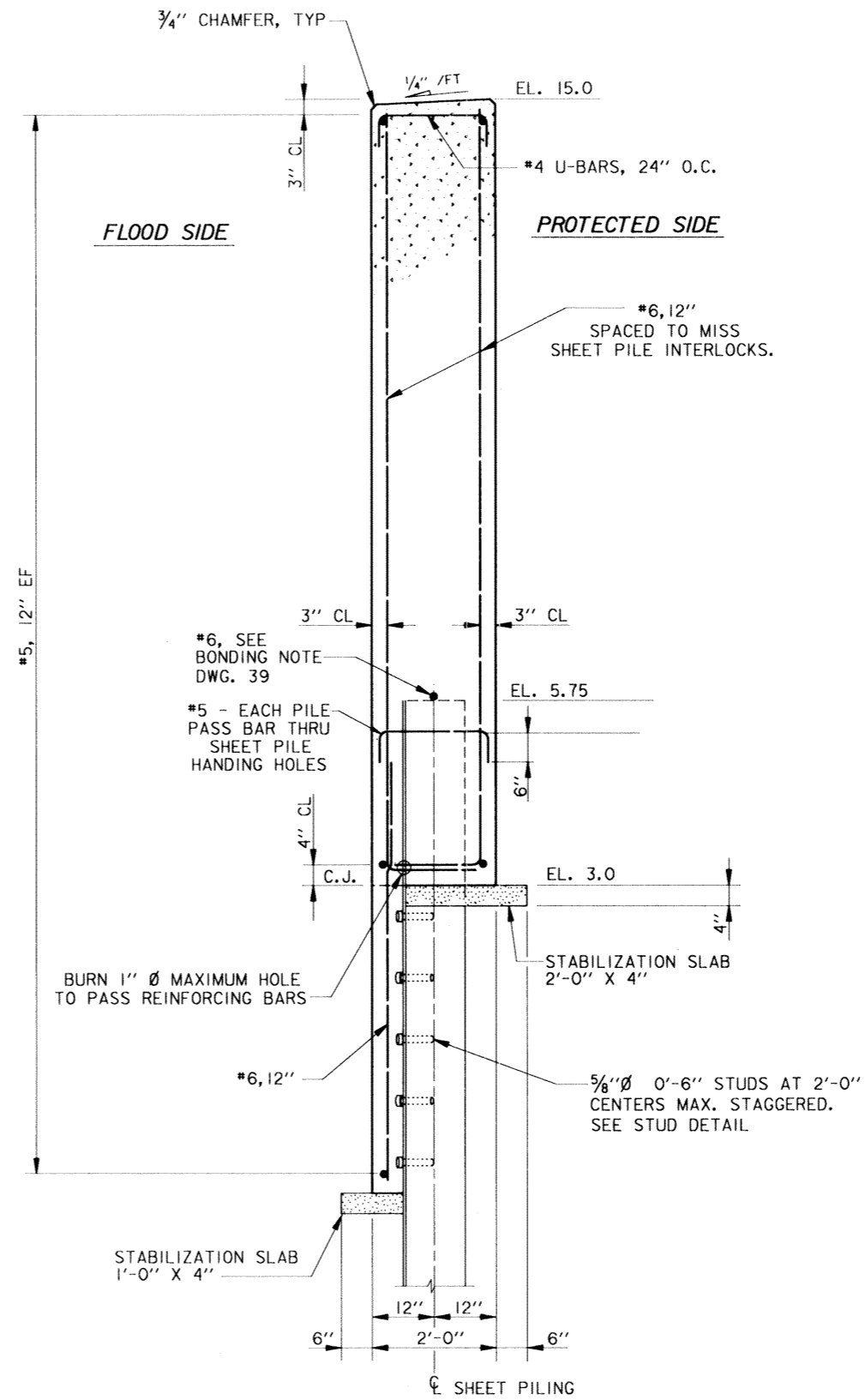
Safety is a Part of Your Contract



TYPICAL T-WALL SECTION

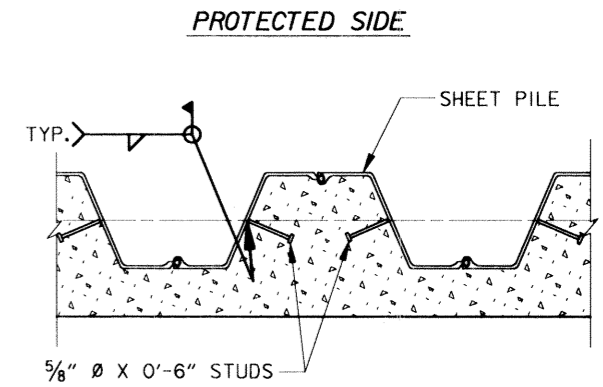
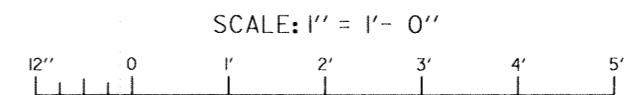
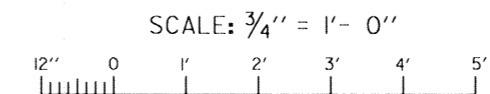
SCALE: 3/4" = 1'-0"

NOTE:  
ALL HOLES CUT IN SHEET PILING FOR REINFORCING SHALL NOT EXCEED 2"Ø.



TYPICAL I-WALL SECTION

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




STUD DETAIL

SCALE: 1" = 1'-0"

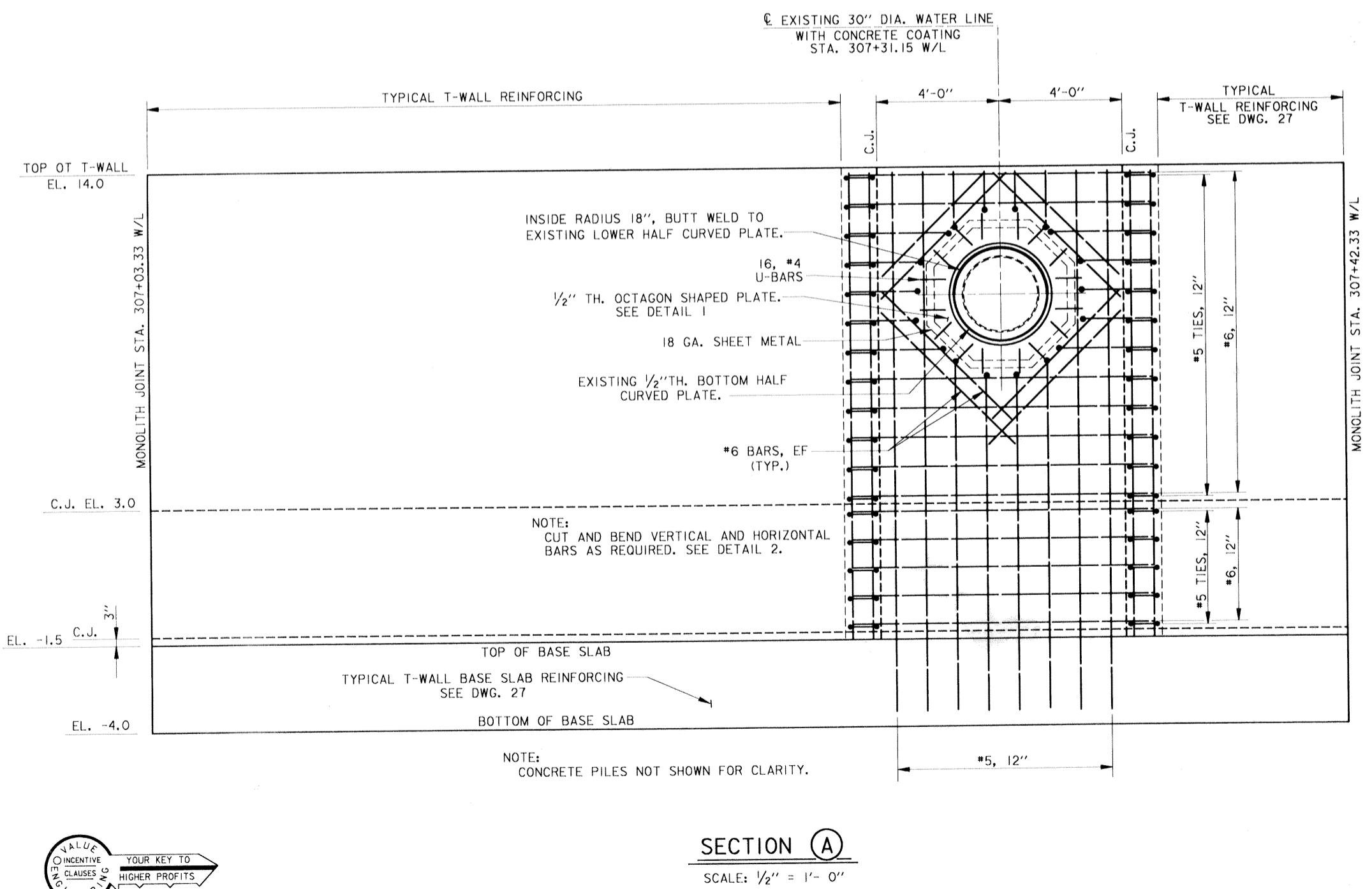
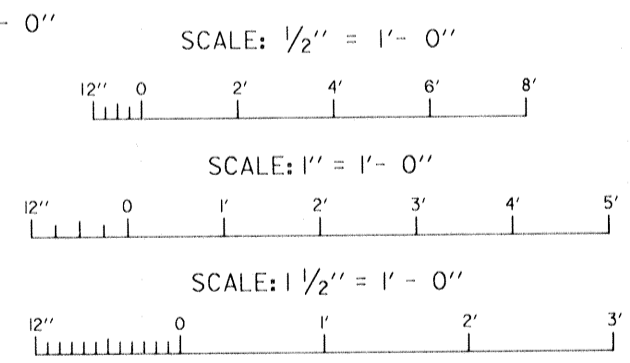
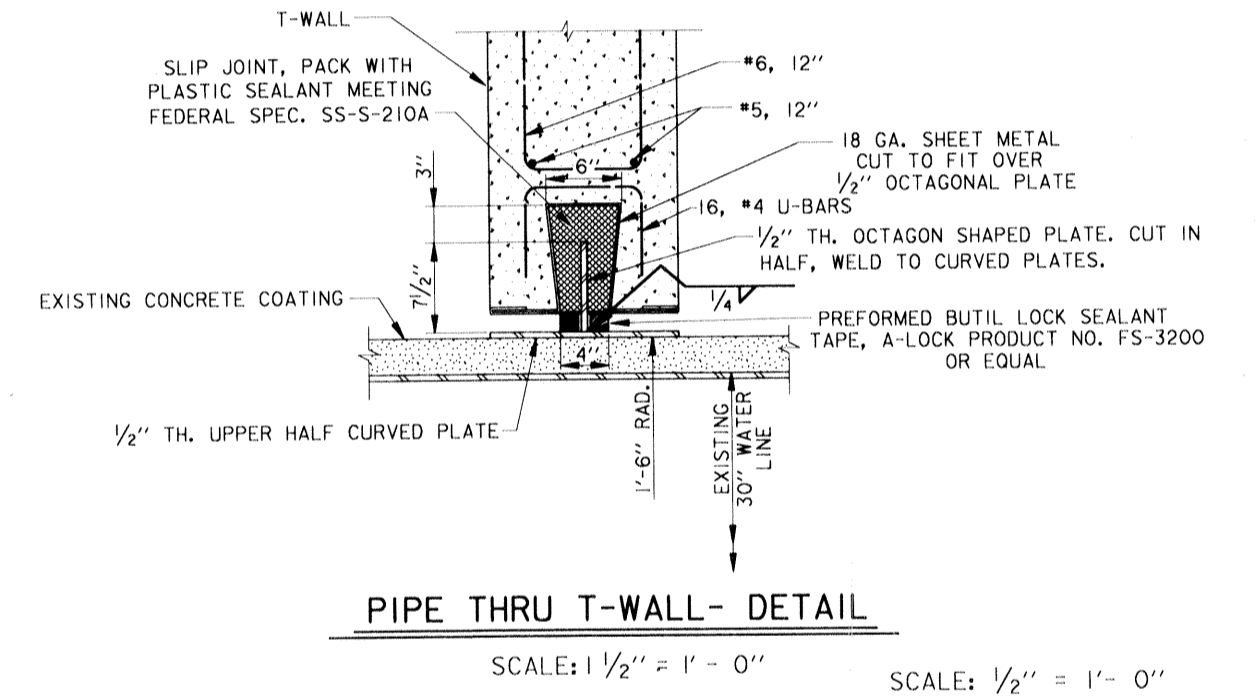
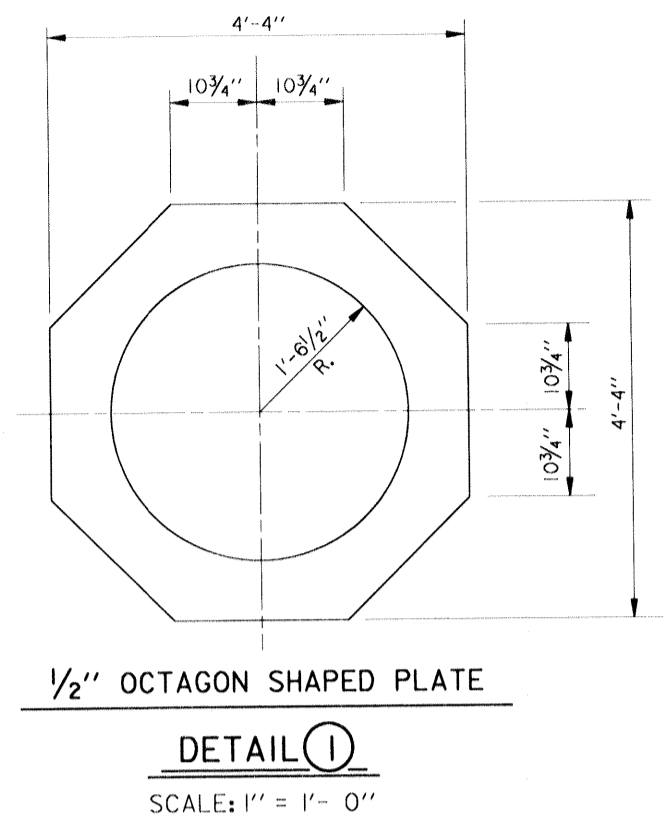
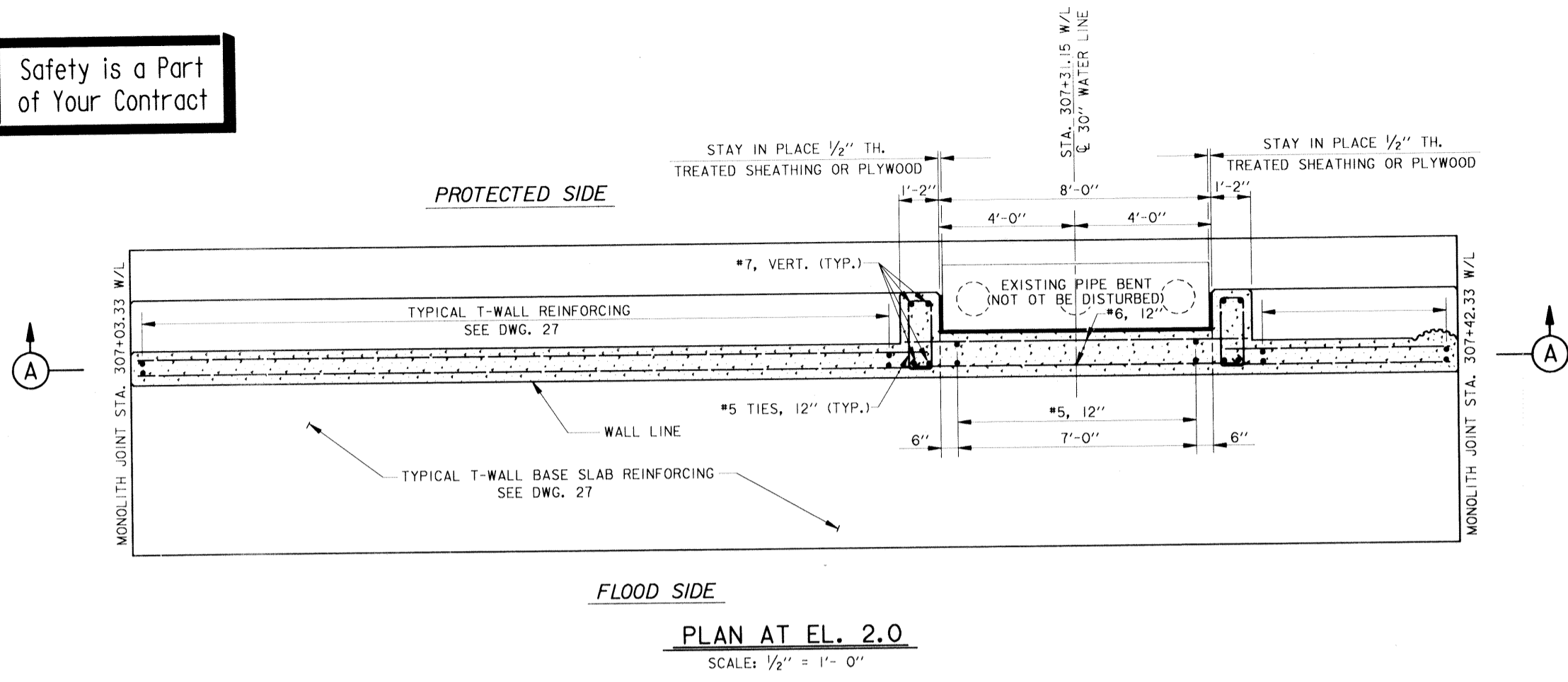
REFERENCE DRAWINGS

- GENERAL NOTES, DWG. 2.
- PLAN AND PROFILE, DWGS. 3 THRU 8.
- CONCRETE PILE DETAILS, DWG. 26.
- MISCELLANEOUS DETAILS, DWG. 39.
- PILING AND MONOLITH LAYOUT, DWGS. 25.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 <b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>WALL REINFORCING</b>			
DESIGNED BY:	M. DESAI	DATE:	NOV. 94
DRAWN BY:	B. DORCEY	PLOT SCALE:	16
CHECKED BY:	J. ROMERO	PLOT DATE:	NOV. 94
SUBMITTED BY:	J. ROMERO	CADD FILE:	30948433.DGN
DESIGN ENGINEER		SOLICITATION NO.	H-4-40393
		DWG. NO.	27 OF 51

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**REFERENCE DRAWINGS**

- GENERAL NOTES, DWG. 2
- PLAN AND PROFILE, DWG. 6.
- PILING AND MONOLITH LAYOUT, DWG. 25.
- TYPICAL T-WALL SECTIONS, DWG. 27

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

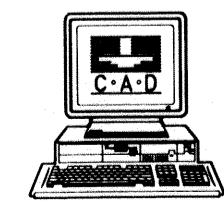
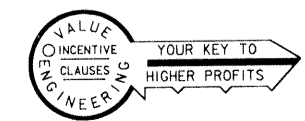
**U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS**  
CORPS OF ENGINEERS  
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY  
HIGH LEVEL PLAN

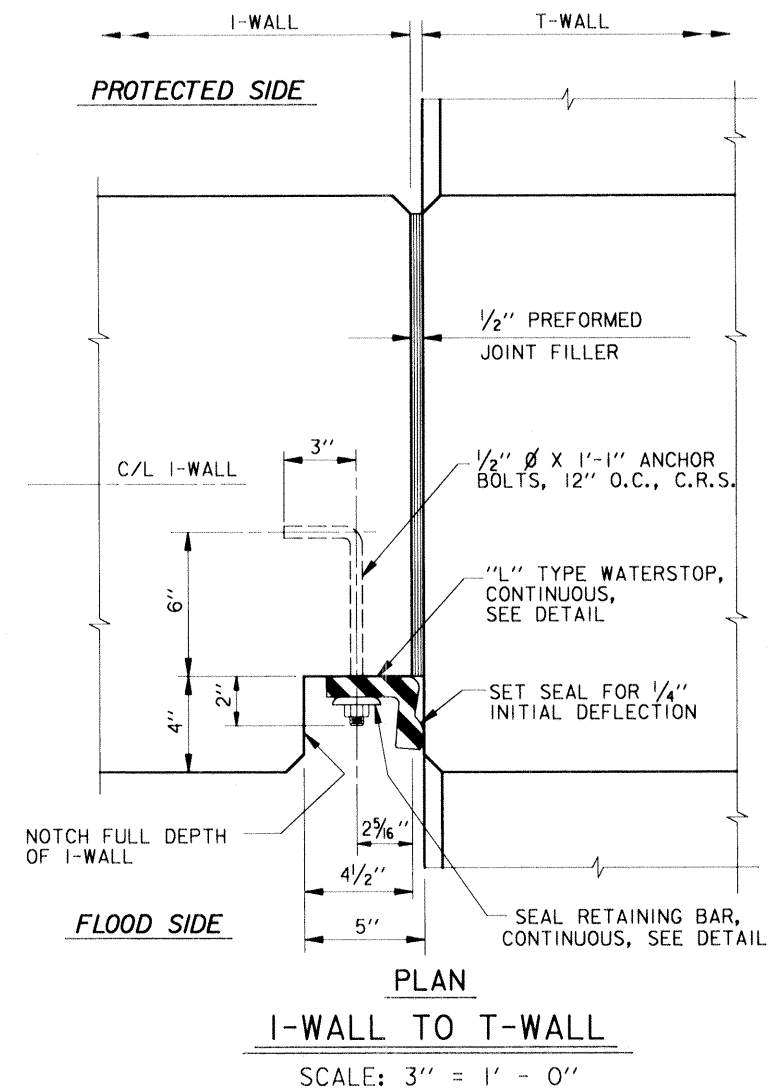
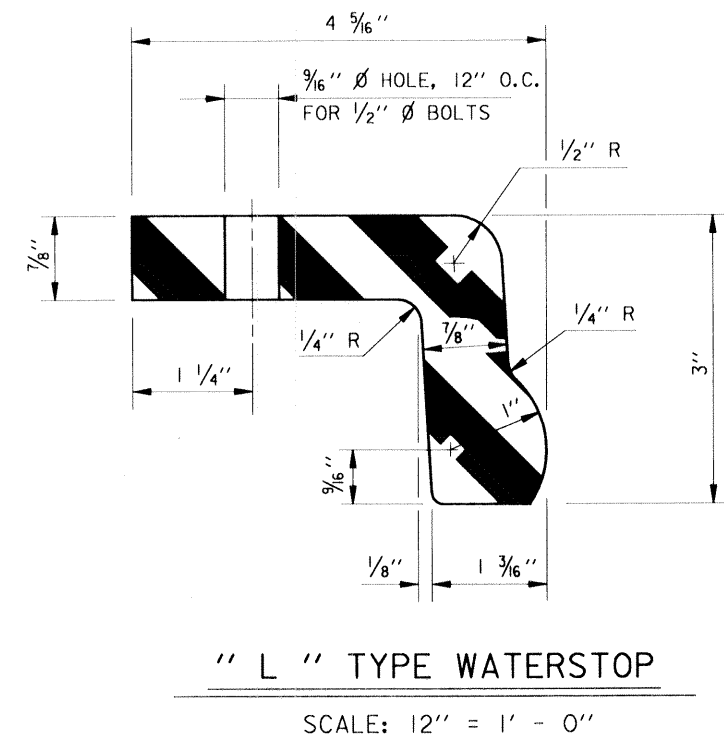
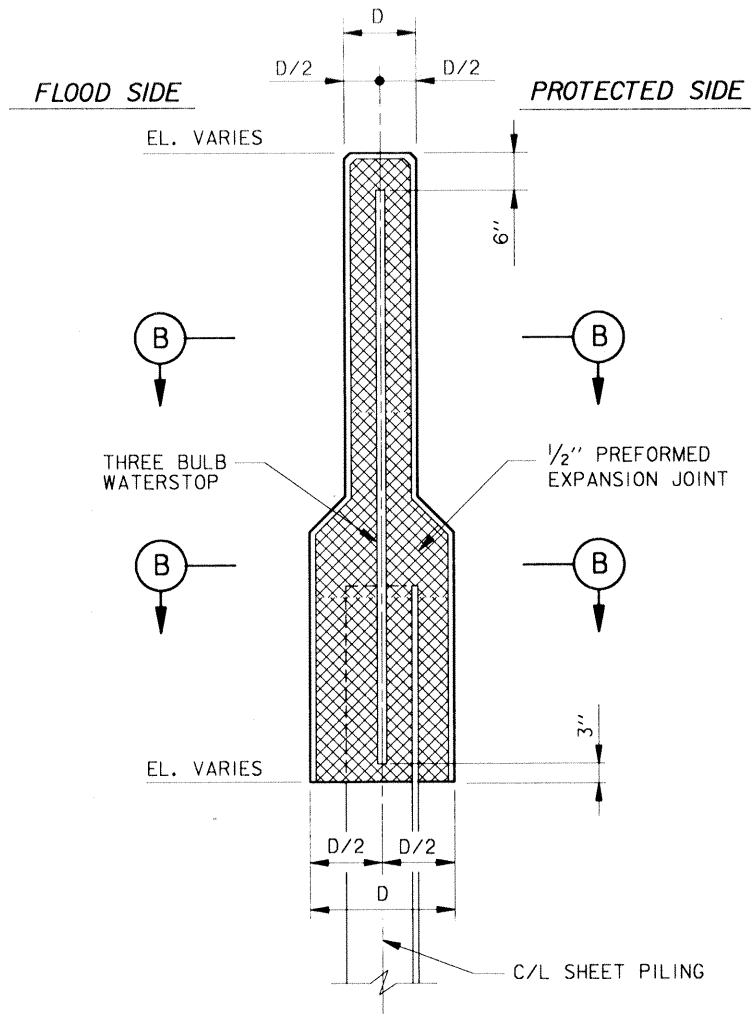
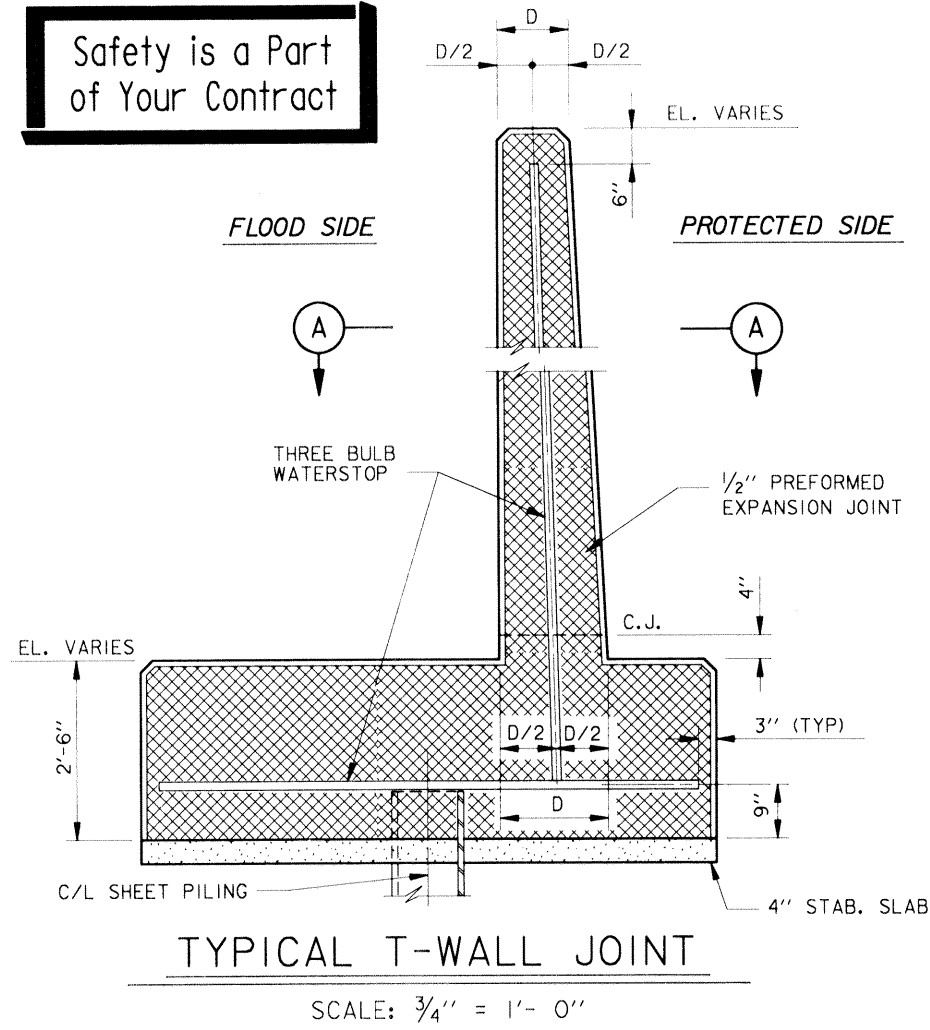
**ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION PHASE II-C (WEST SIDE)-FLOODWALL**  
STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L  
ORLEANS PARISH, LOUISIANA

**WALL REINFORCING VICINITY 30" WATER LINE**

DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 24	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A53.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 28 OF 51

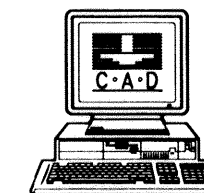
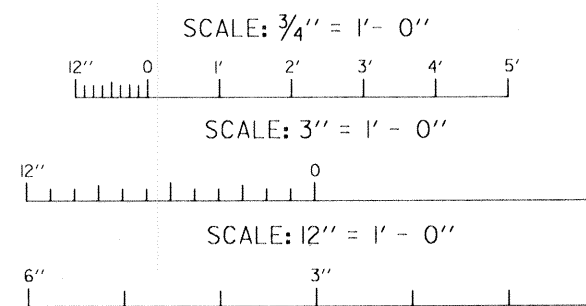
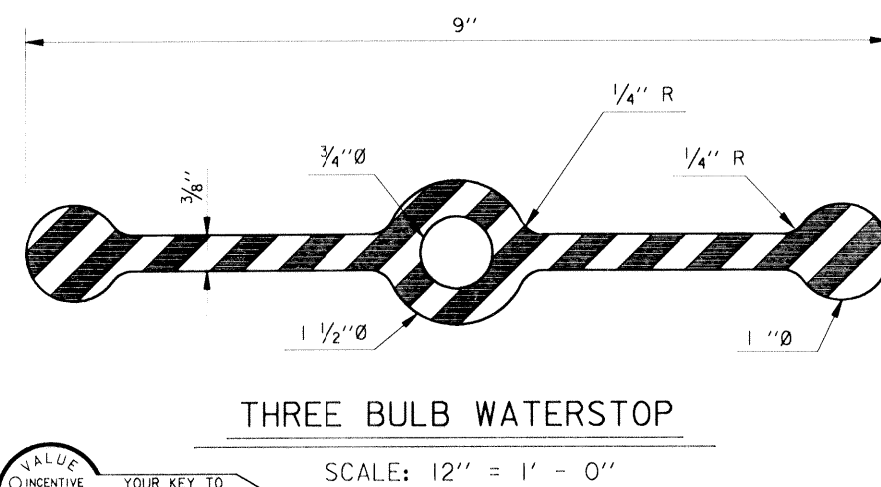
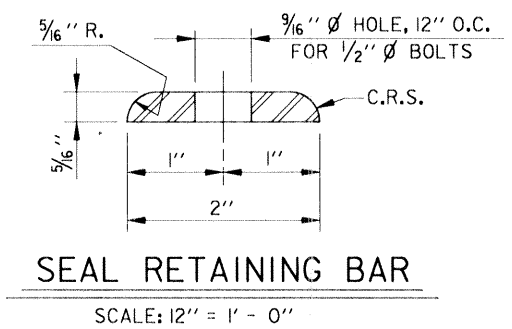
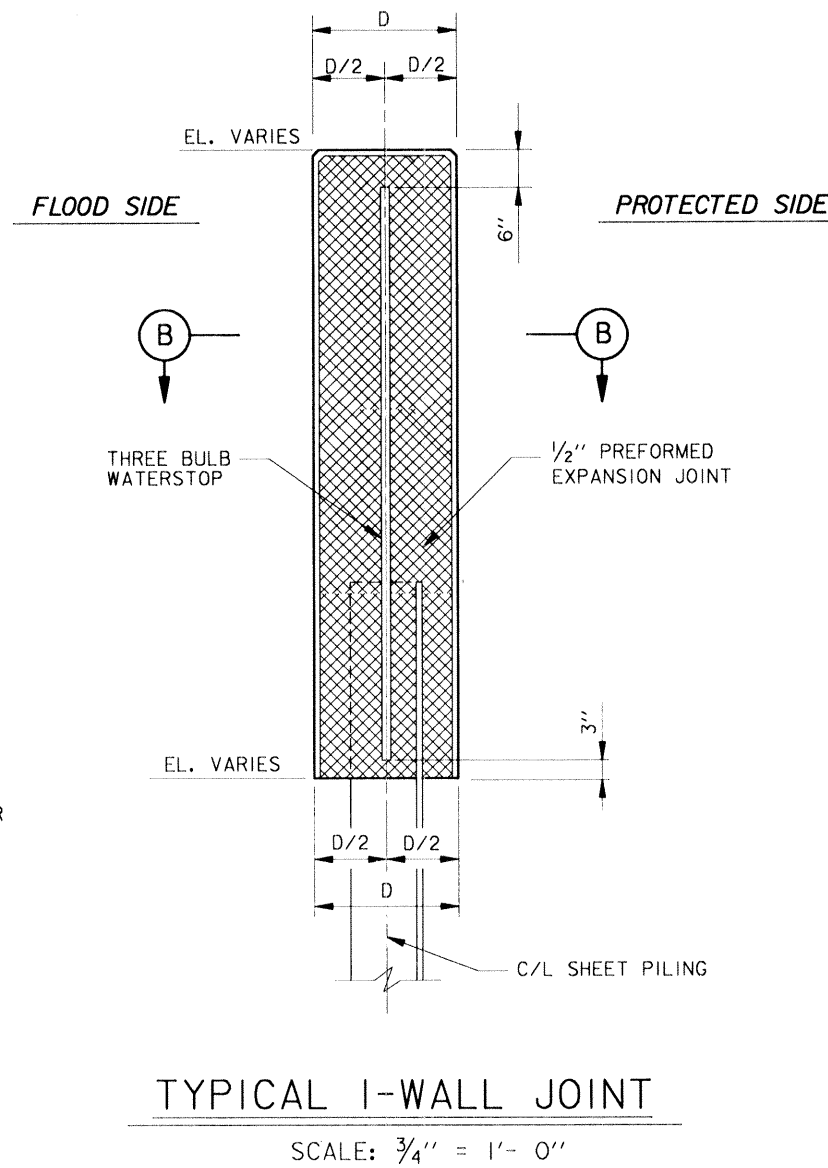
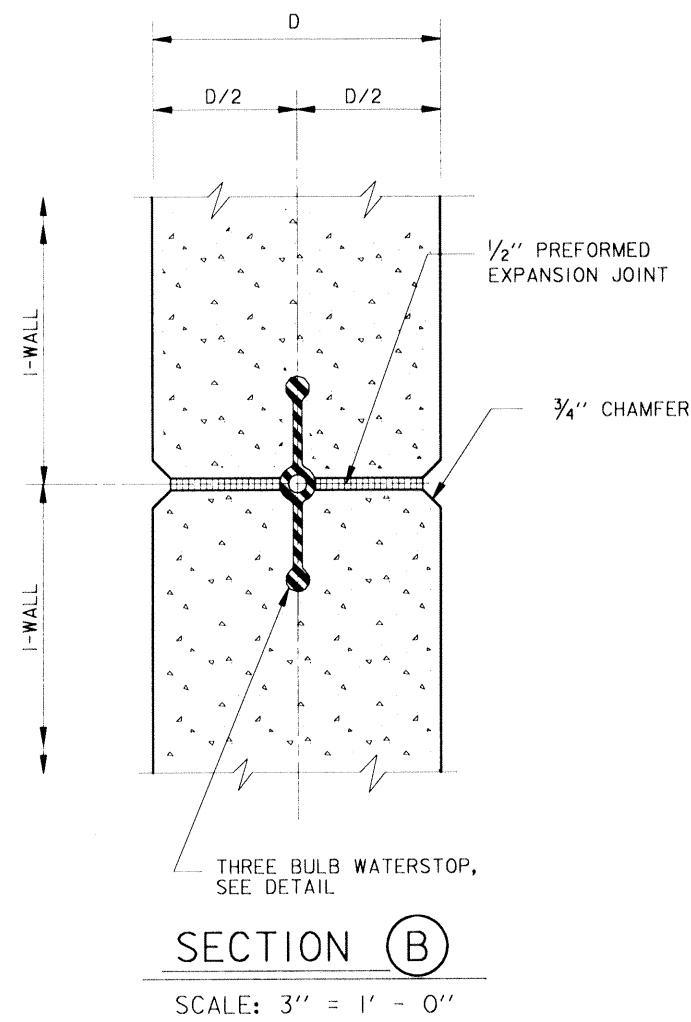
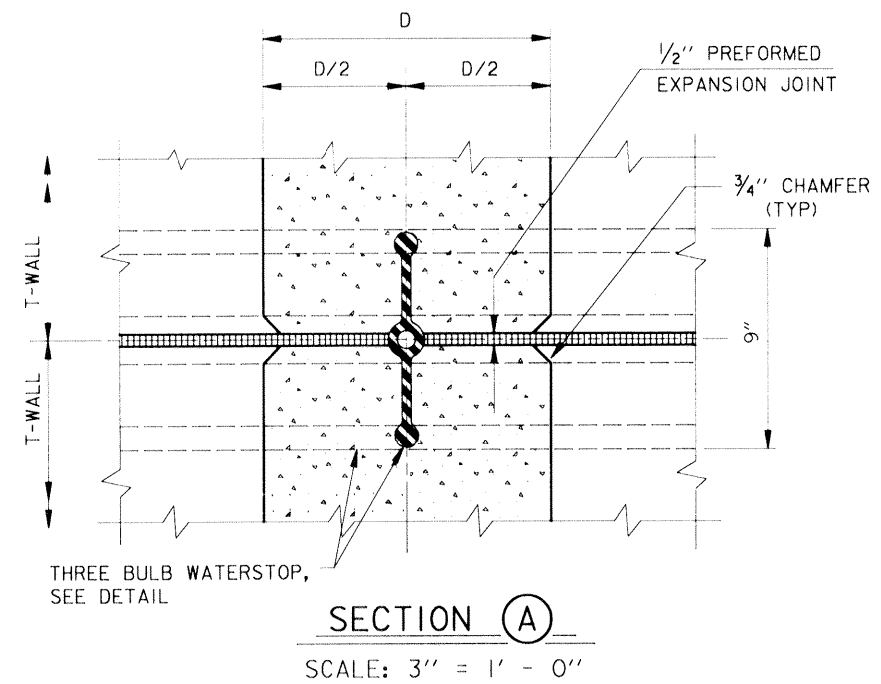


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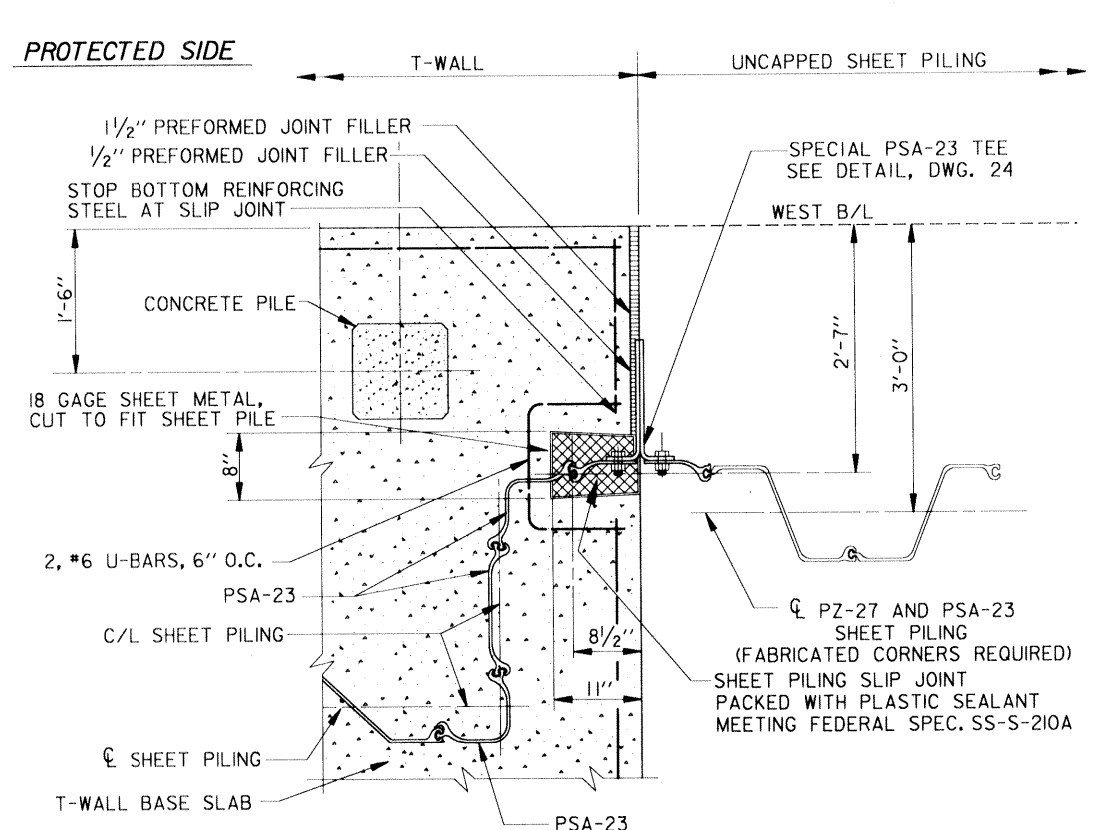
**REFERENCE DRAWINGS**

FOR GENERAL NOTES, SEE DWG. 2.  
FOR PLAN AND PROFILE, SEE DWGS. 3 THRU 8.  
FOR TYPICAL WALL SECTIONS, SEE DWG. 27.  
FOR MISCELLANEOUS DETAILS, SEE DWG. 39.



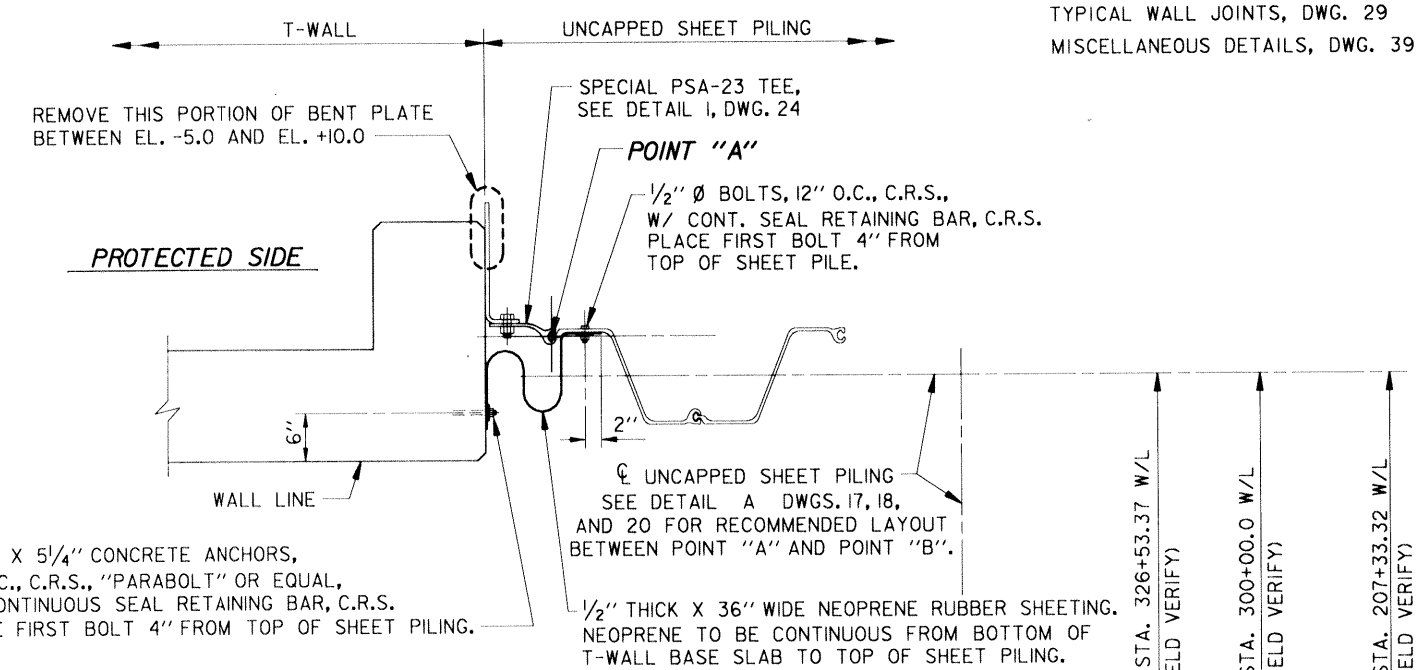
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN			
<b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> PHASE II-C (WEST SIDE)-FLOODWALL			
STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>TYPICAL WALL JOINTS</b>			
DESIGNED BY: M.DESAI	DATE: NOV. 94	PLOT SCALE: 1	PLOT DATE: NOV. 94
DRAWN BY: B.DORCEY	CADD FILE: 4039310.dgn	FILE NO. <b>H-4-40393</b>	
CHECKED BY: J.ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 29 OF 51	
SUBMITTED BY: J.ROMERO DESIGN ENGINEER			



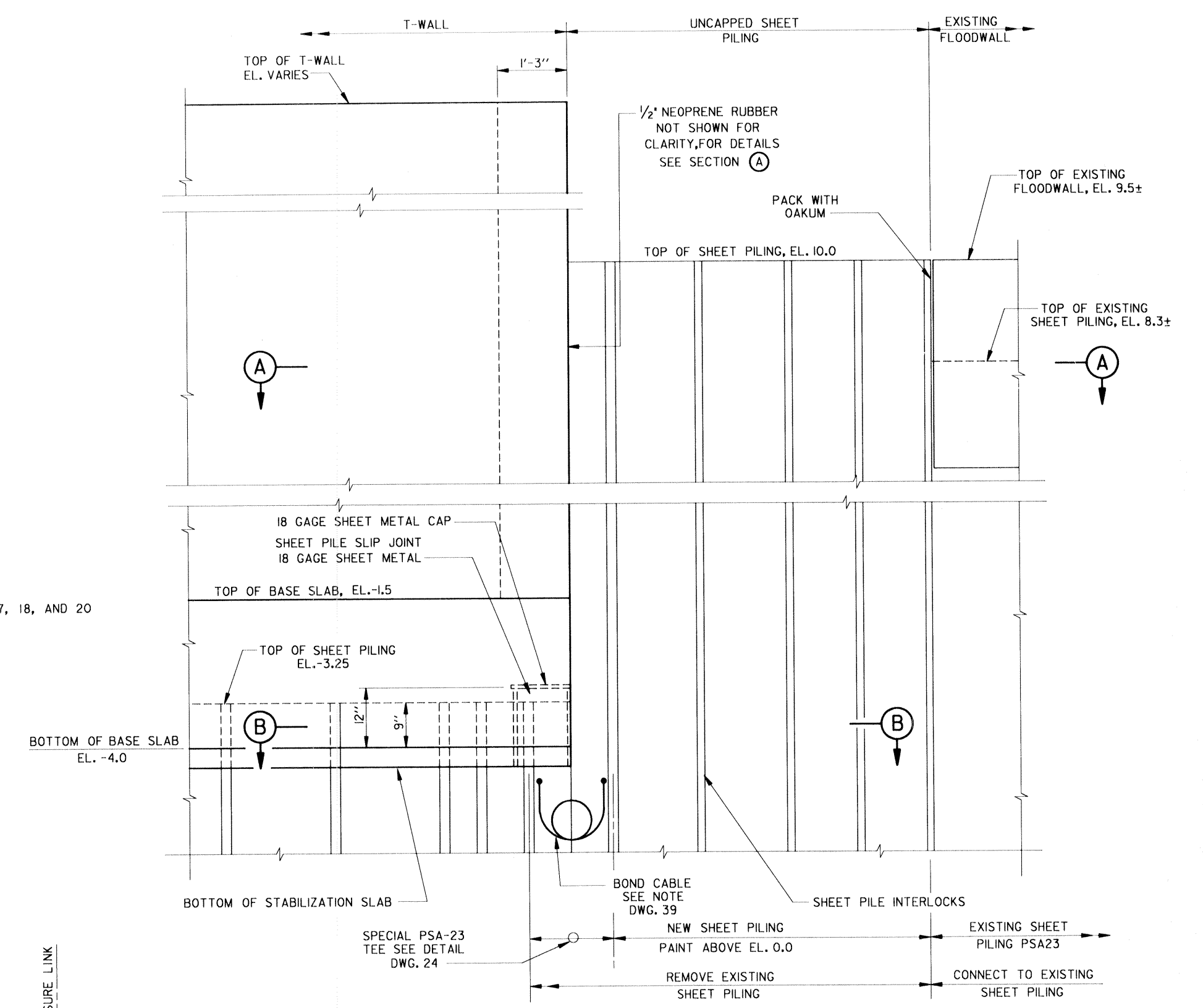


**SECTION B**  
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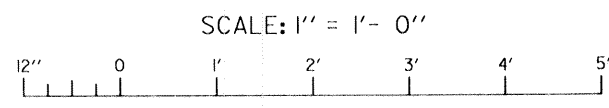
- REFERENCE DRAWINGS**
- GENERAL NOTES, DWG. 2
  - PLAN AND PROFILE, DWGS. 4, 5, AND 8
  - UNCAPPED SHEET PILING LAYOUT, DWGS. 17, 18, AND 20
  - SHEET PILING DETAILS, DWG. 24
  - TYPICAL WALL JOINTS, DWG. 29
  - MISCELLANEOUS DETAILS, DWG. 39



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



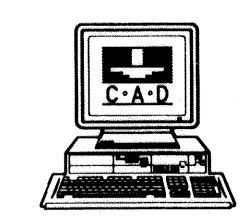
VICINITY STA. 207+33.32 W/L (SHOWN)  
VICINITY STA. 300+00.0 W/L (OPPOSITE HAND)  
VICINITY STA. 326+53.35 W/L (SHOWN)  
**FLOOD SIDE ELEVATION**  
I-WALL (UNCAPPED SHEET PILING) TO T-WALL  
SCALE: 1" = 1'-0"



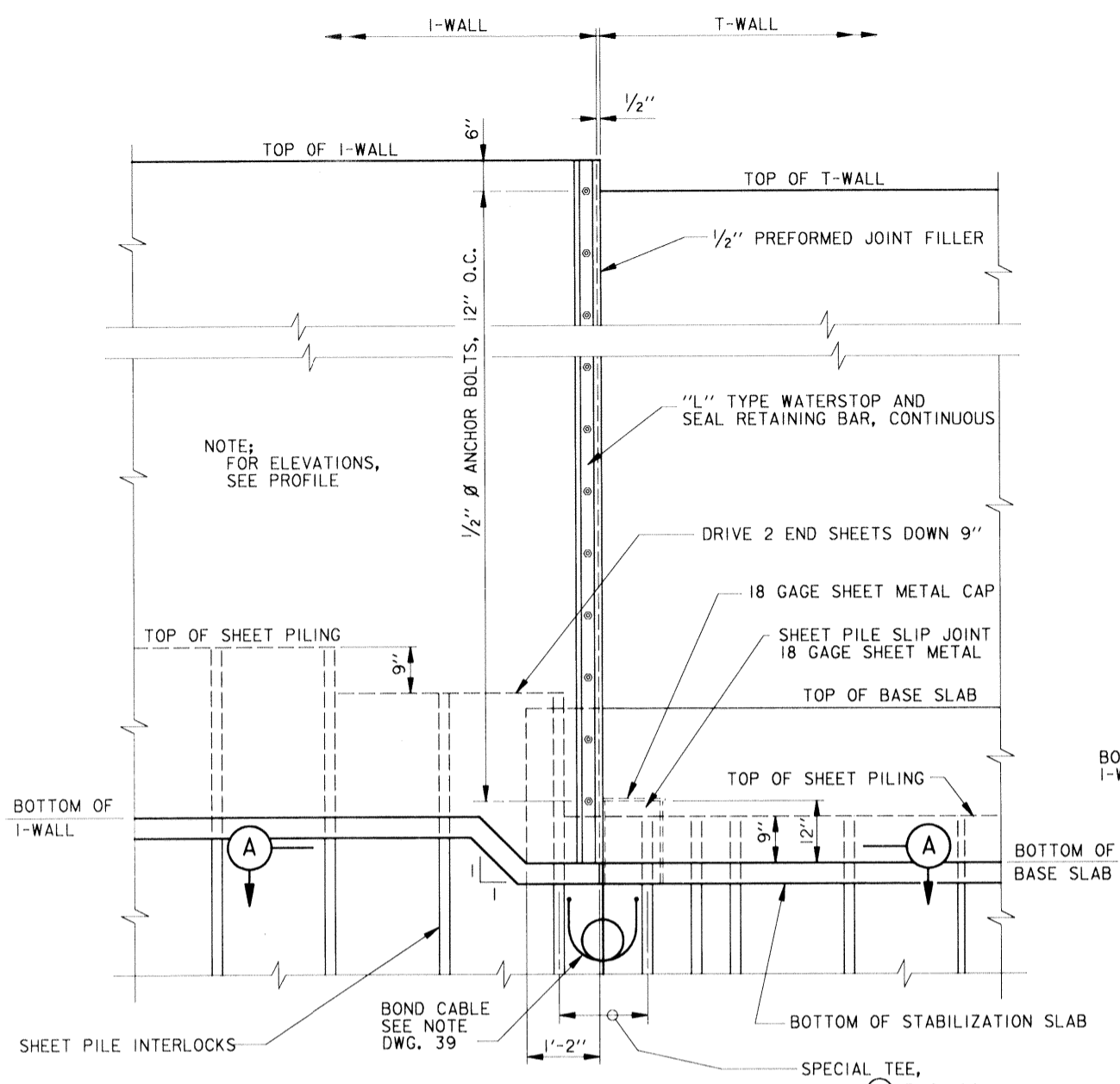
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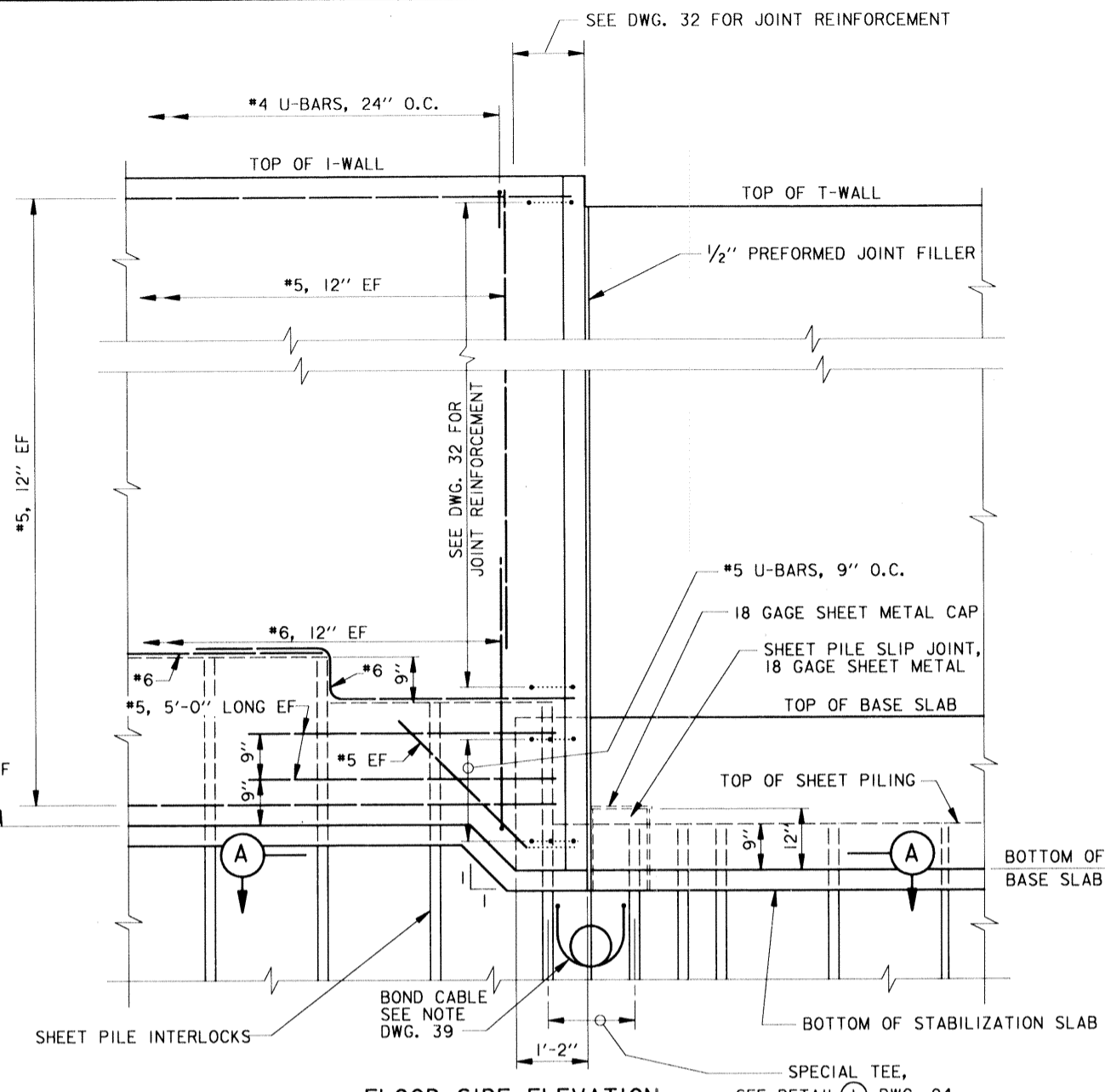
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> PHASE II-C (WEST SIDE)-FLOODWALL STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>TYPICAL WALL JOINTS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 12	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393D04.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 30	OF 51
SUBMITTED BY: J. ROMERO DESIGN ENGINEER			



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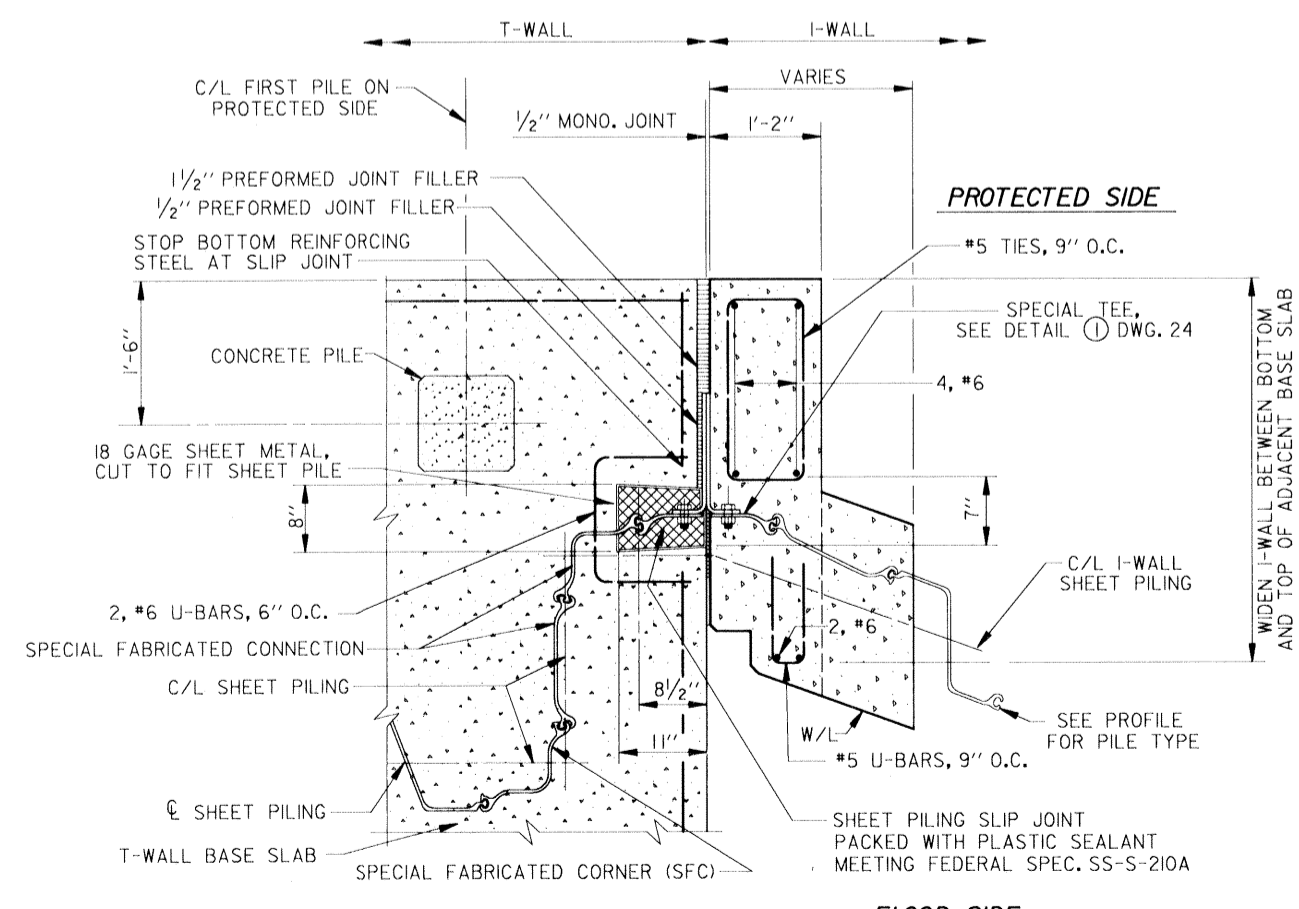


**FLOOD SIDE ELEVATION  
I-WALL TO T-WALL**  
SCALE: 3/4" = 1'-0"

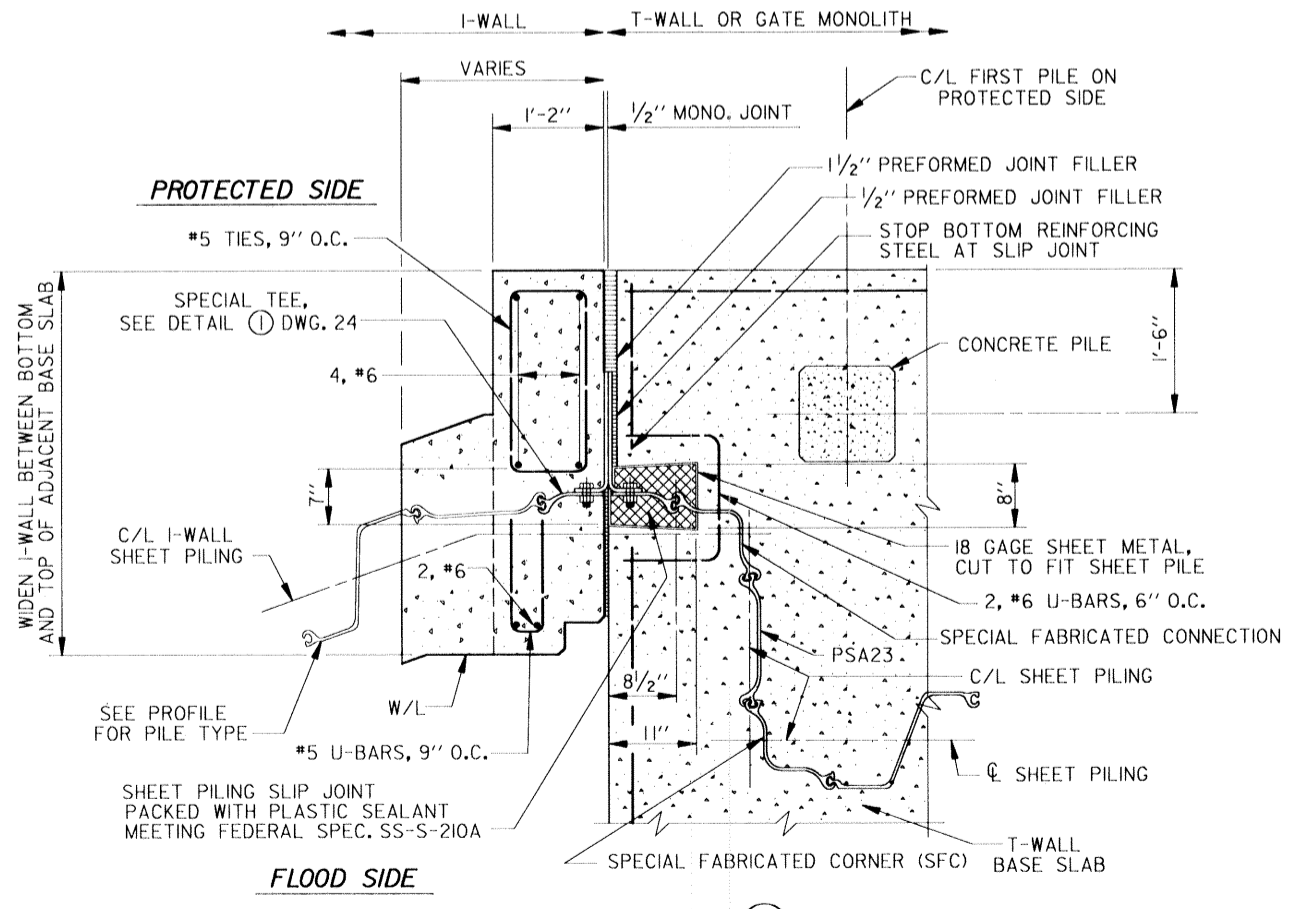


**FLOOD SIDE ELEVATION  
REINFORCEMENT  
I-WALL TO T-WALL**  
SCALE: 3/4" = 1'-0"

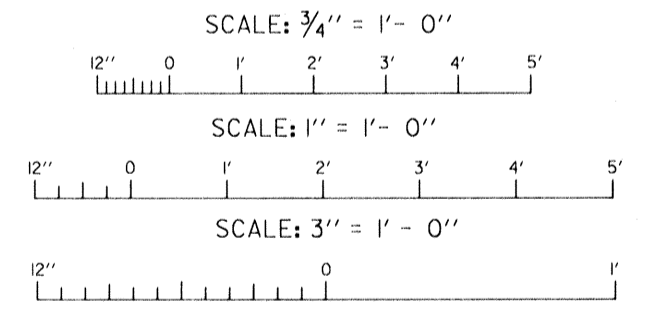
**REFERENCE DRAWINGS**  
 FOR GENERAL NOTES, SEE DWG. 2.  
 FOR PLAN AND PROFILE, SEE DWGS. 3 THRU 8.  
 FOR TYPICAL WALL SECTIONS, SEE DWG. 27  
 FOR SHEET PILE DETAILS, SEE DWG. 24.  
 FOR TYPICAL WALL JOINTS, SEE DWG. 29.  
 FOR JOINT REINFORCEMENT DETAILS, SEE DWG. 32.  
 FOR MISCELLANEOUS DETAILS, SEE DWG. 39.



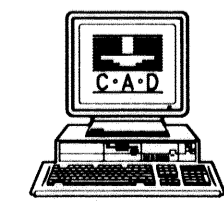
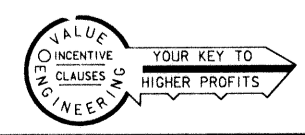
**SECTION A  
FLOOD SIDE**  
W/L STA. 103+52.32  
SCALE: 1" = 1'-0"



**SECTION A  
FLOOD SIDE**  
W/L STAS. 100+40.26 AND 200+31.28  
SCALE: 1" = 1'-0"

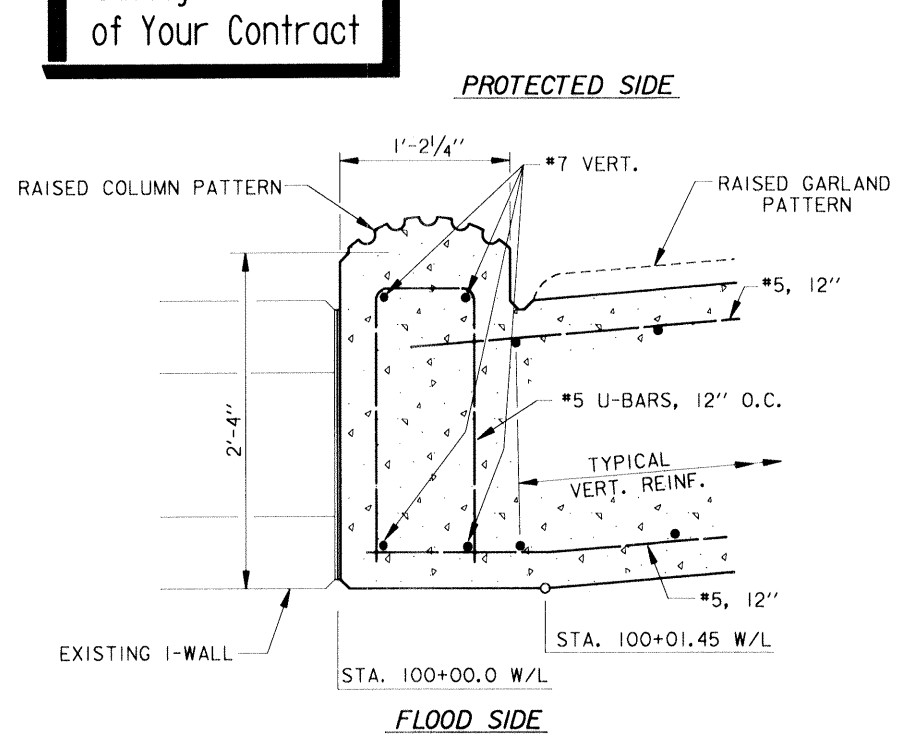


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN			
<b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> PHASE II-C (WEST SIDE)-FLOODWALL			
STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>TYPICAL JOINT DETAILS</b>			
DESIGNED BY: M.DESAI	DATE: NOV. 94	PLOT SCALE: 16	PLOT DATE: NOV. 94
DRAWN BY: B.DORCEY	CHECKED BY: J.ROMERO	CADD FILE: 40393d11.dgn	FILE NO. H-4-40393
SUBMITTED BY: J.ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 31 OF 51	

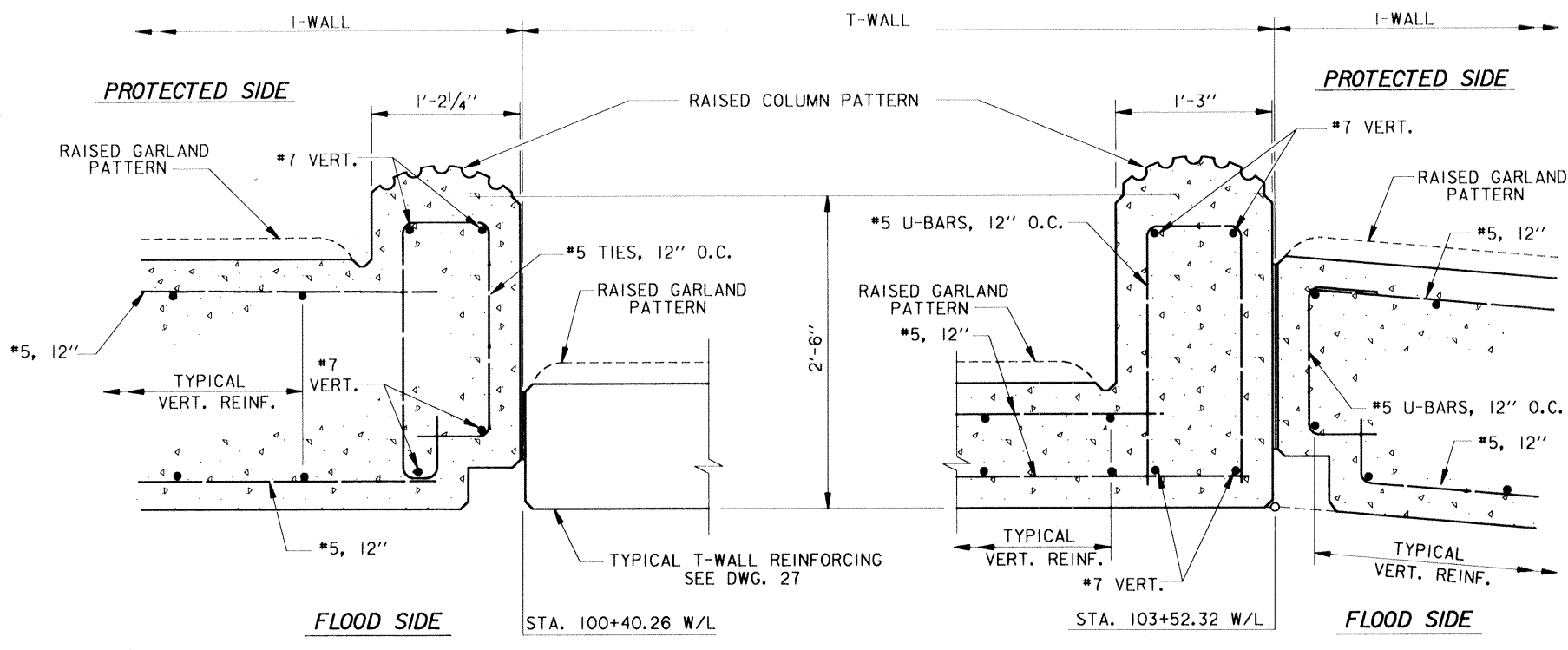




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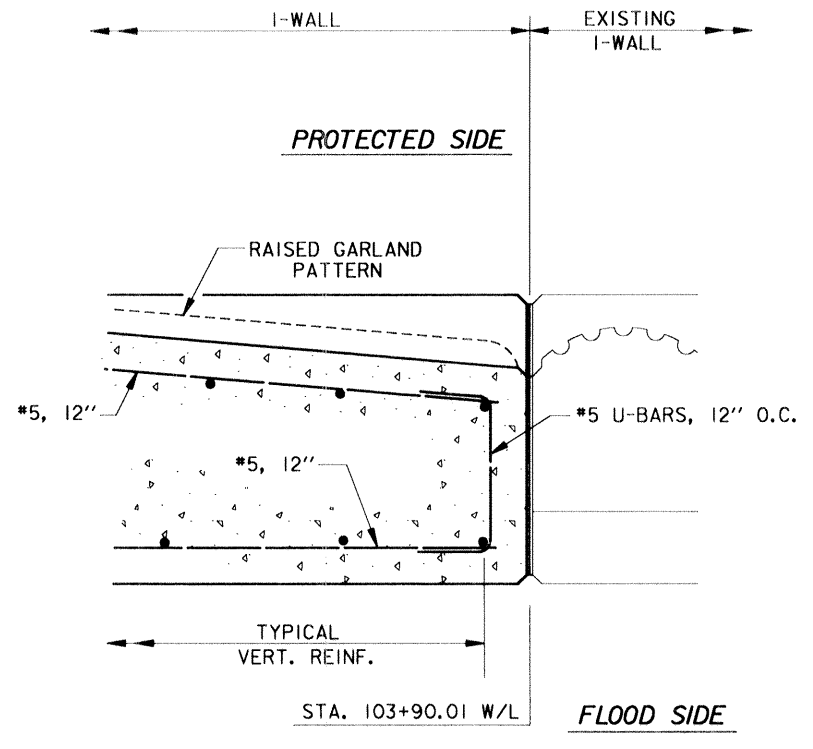


VICINITY STA. 100+00.0 W/L

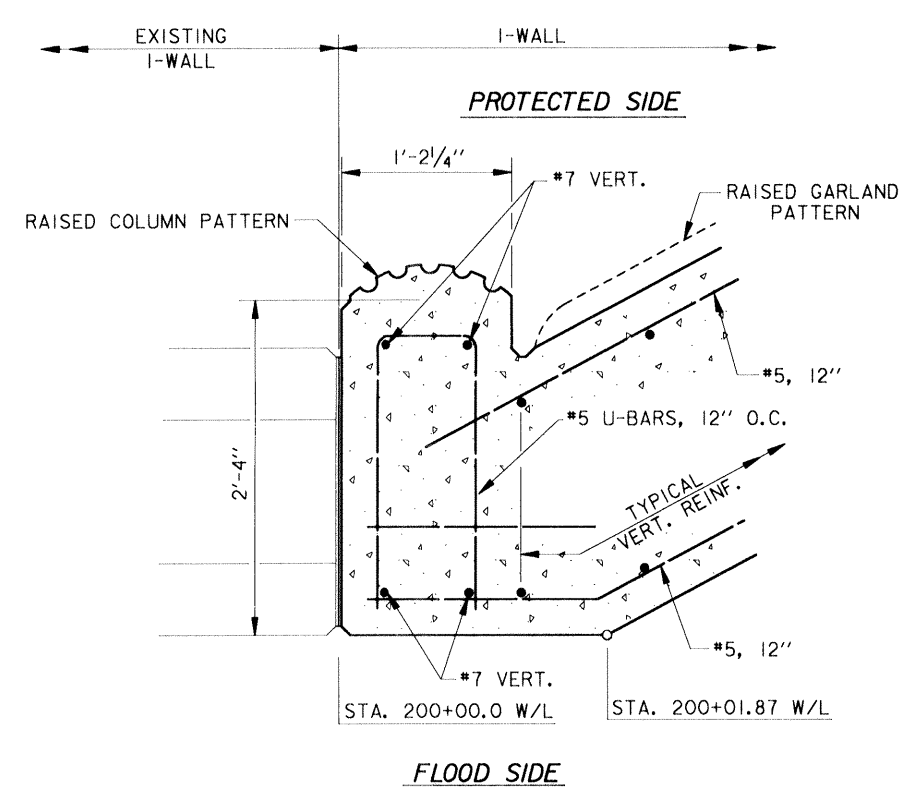


VICINITY STA. 100+40.26 W/L

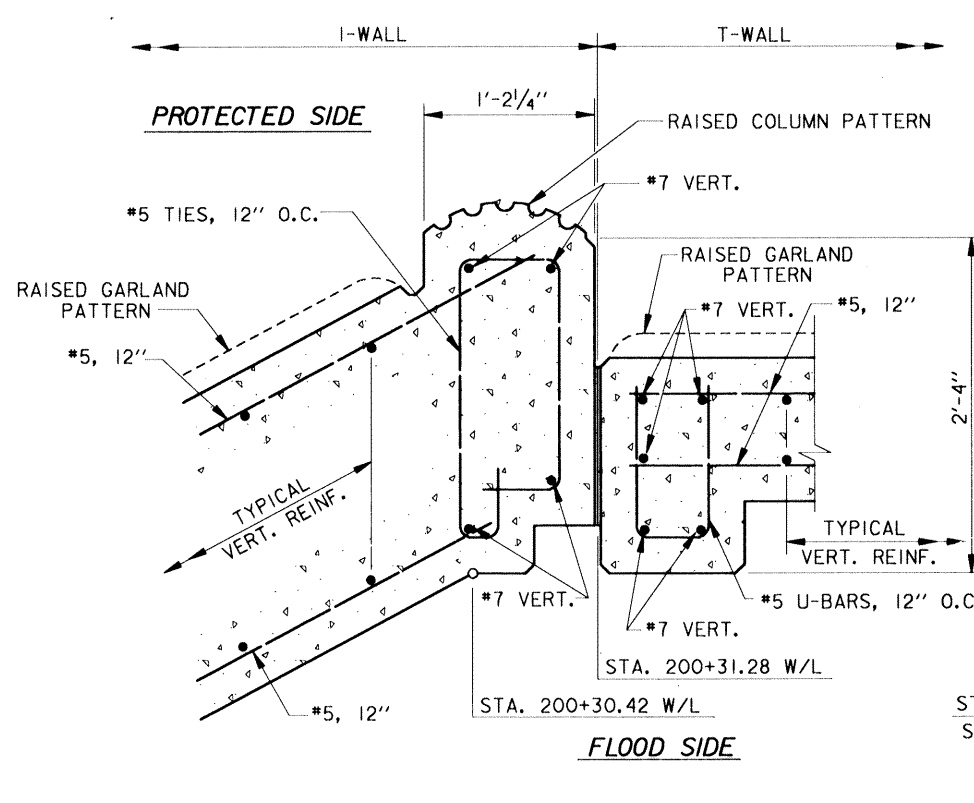
VICINITY STA. 103+52.32 W/L



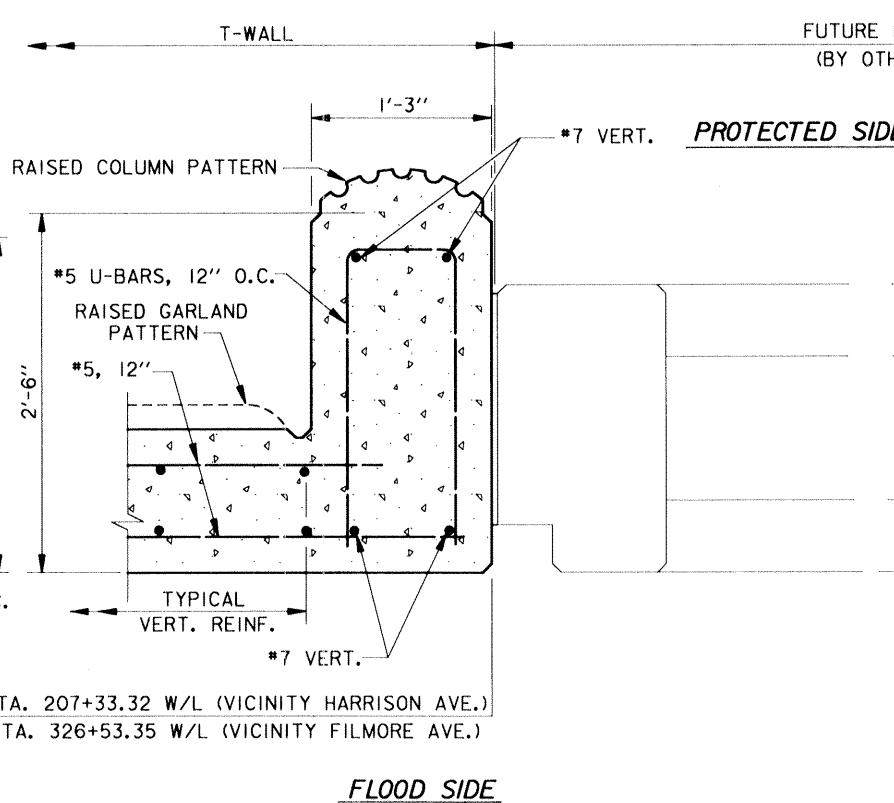
VICINITY STA. 103+90.01 W/L



VICINITY STA. 200+00.0 W/L

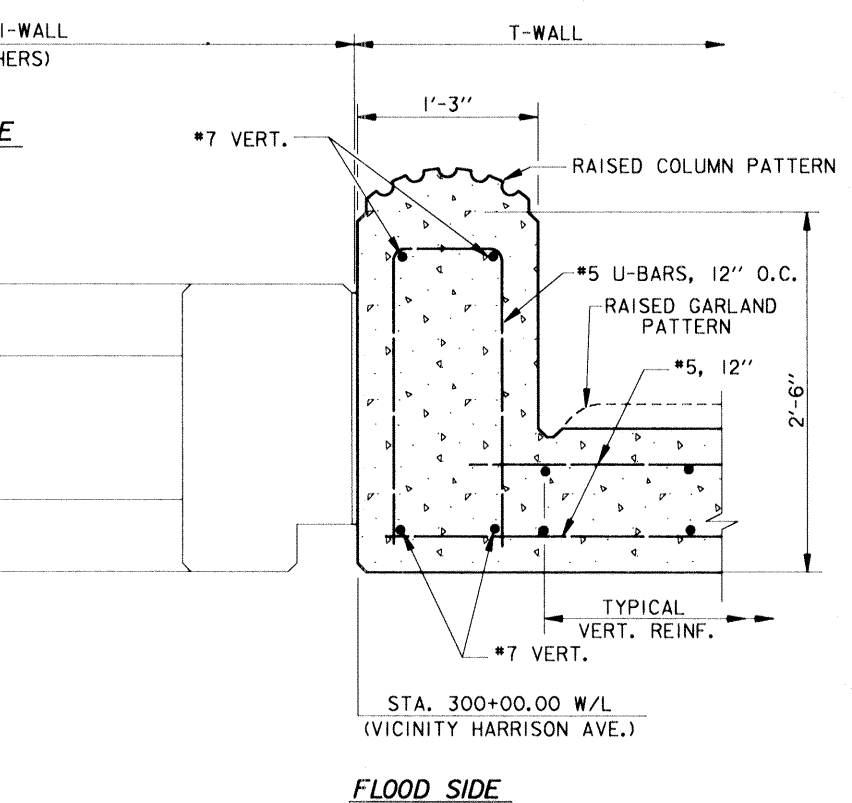


VICINITY STA. 200+31.28 W/L



VICINITY STA. 207+33.32 W/L

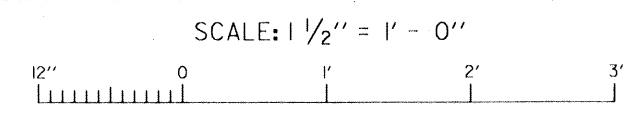
VICINITY STA. 326+53.37 W/L



VICINITY STA. 300+00.00 W/L

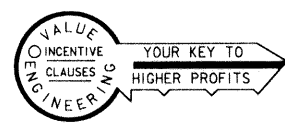
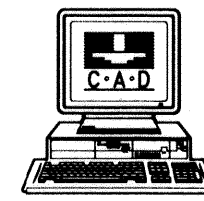
NOTE:  
FOR TYPICAL I-WALL AND T-WALL REINFORCING, SEE DWG. 27.

**JOINT REINFORCEMENT DETAILS**



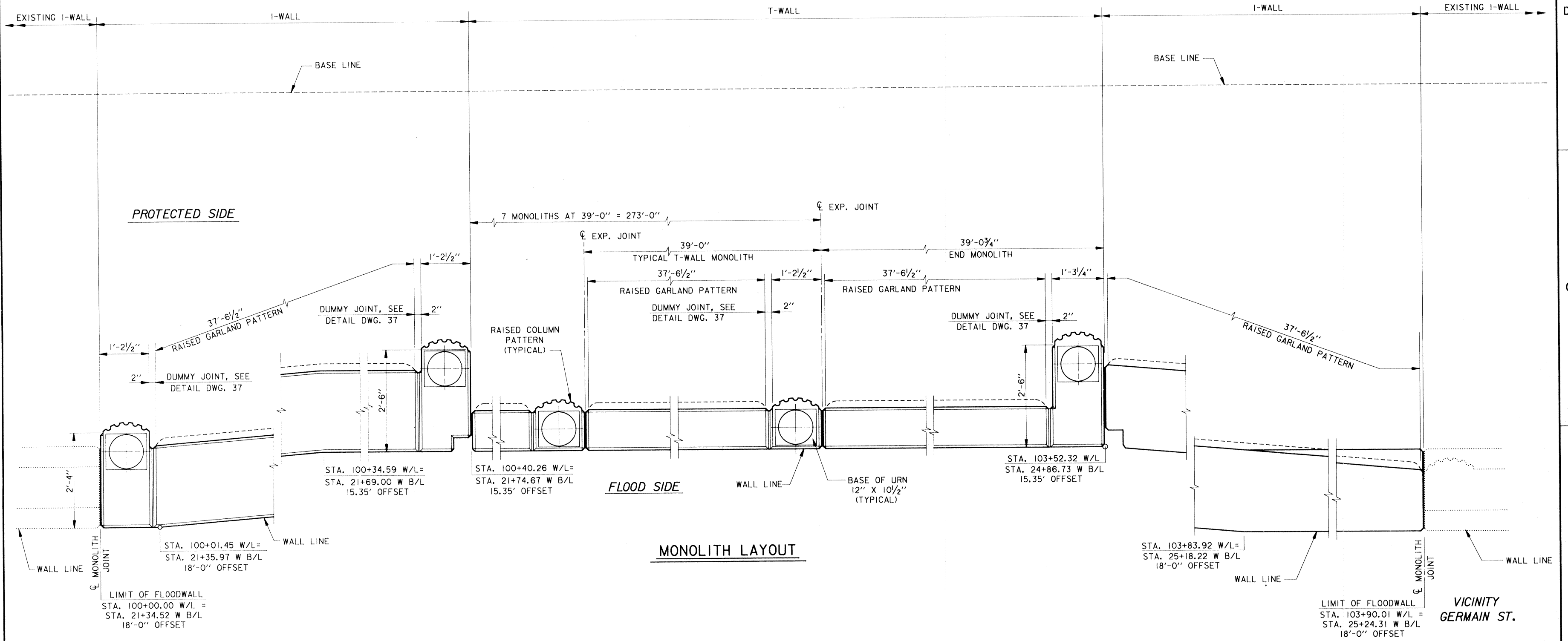
**REFERENCE DRAWINGS**

FOR GENERAL NOTES, SEE DWG. 2.  
FOR PLAN AND PROFILE, SEE DWGS. 3 THRU 8.  
FOR TYPICAL WALL SECTIONS, SEE DWG. 27.  
FOR TYPICAL JOINT DETAILS, SEE DWG. 31.  
FOR MISCELLANEOUS DETAILS, SEE DWG. 39.



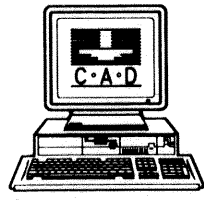
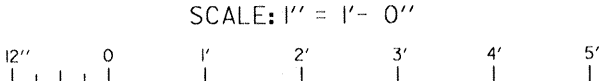
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>JOINT REINFORCEMENT DETAILS</b>			
DESIGNED BY: M.DESAI	DATE: NOV. 94	PLOT SCALE: 8	PLOT DATE: NOV. 94
DRAWN BY: B.DORCEY	CADD FILE: 40393A26.DGN	FILE NO. <b>H-4-40393</b>	
CHECKED BY: J.ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 32 OF 51	
SUBMITTED BY: J.ROMERO	DESIGN ENGINEER		

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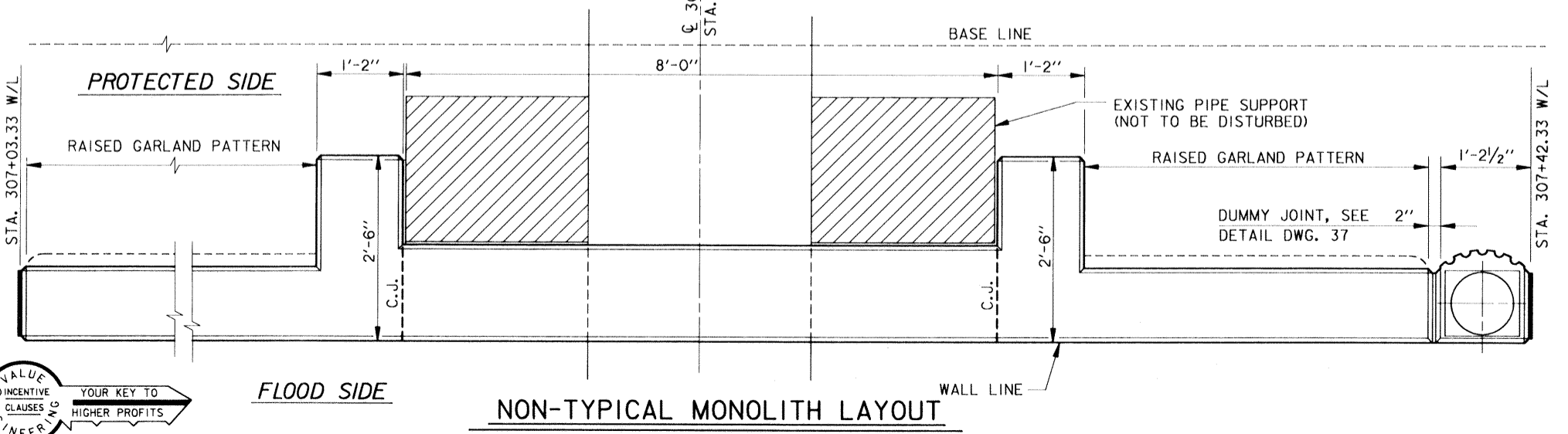
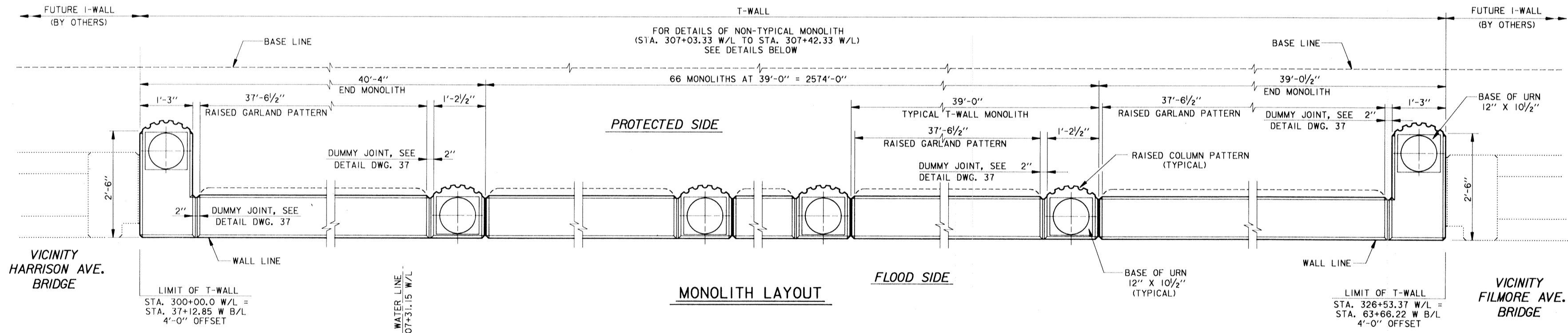
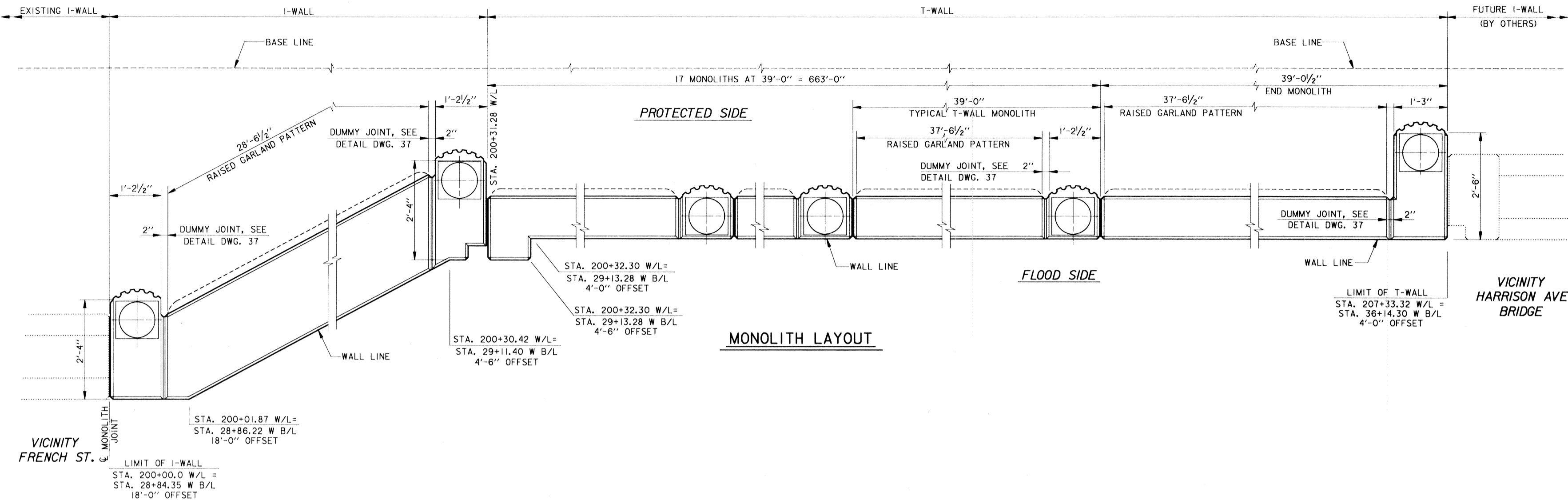


**MONOLITH LAYOUT**

**REFERENCE DRAWINGS**  
 FOR GENERAL NOTES, SEE DWG. 2.  
 FOR PLAN AND PROFILE, SEE DWG. 3.  
 FOR PILING AND MONOLITH LAYOUT, SEE DWG. 25.  
 FOR WALL ARCHITECTURAL TREATMENT AND DETAILS, SEE DWGS. 35 THRU 38.



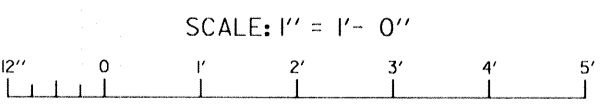
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>MONOLITH AND WALL TREATMENT LAYOUT</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 12	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393019.DGN	FILE NO. <b>H-4-40393</b>	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 33 OF 51	
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		



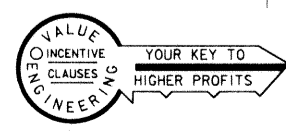
**REFERENCE DRAWINGS**

FOR GENERAL NOTES, SEE DWG. 2.  
 FOR PLAN AND PROFILE, SEE DWGS. 4 THRU 8.  
 FOR PILING AND MONOLITH LAYOUT, SEE DWG. 25.  
 FOR WALL ARCHITECTURAL TREATMENT AND DETAILS, SEE DWGS. 35 THRU 38.

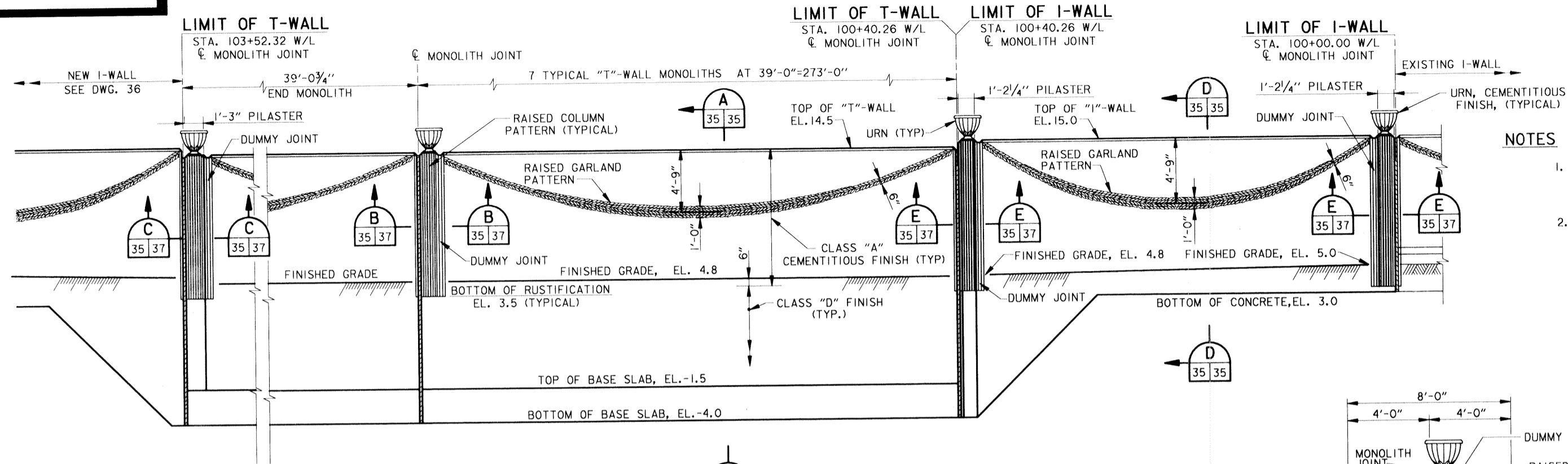
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SYMBOL	DESCRIPTION	DATE	APPROVED
<b>REVISIONS</b>			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b>			
CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN			
<b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b>			
<b>PHASE II-C (WEST SIDE)-FLOODWALL</b>			
STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>MONOLITH AND WALL TREATMENT LAYOUT</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 12	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393G18.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 34 OF 51	
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		



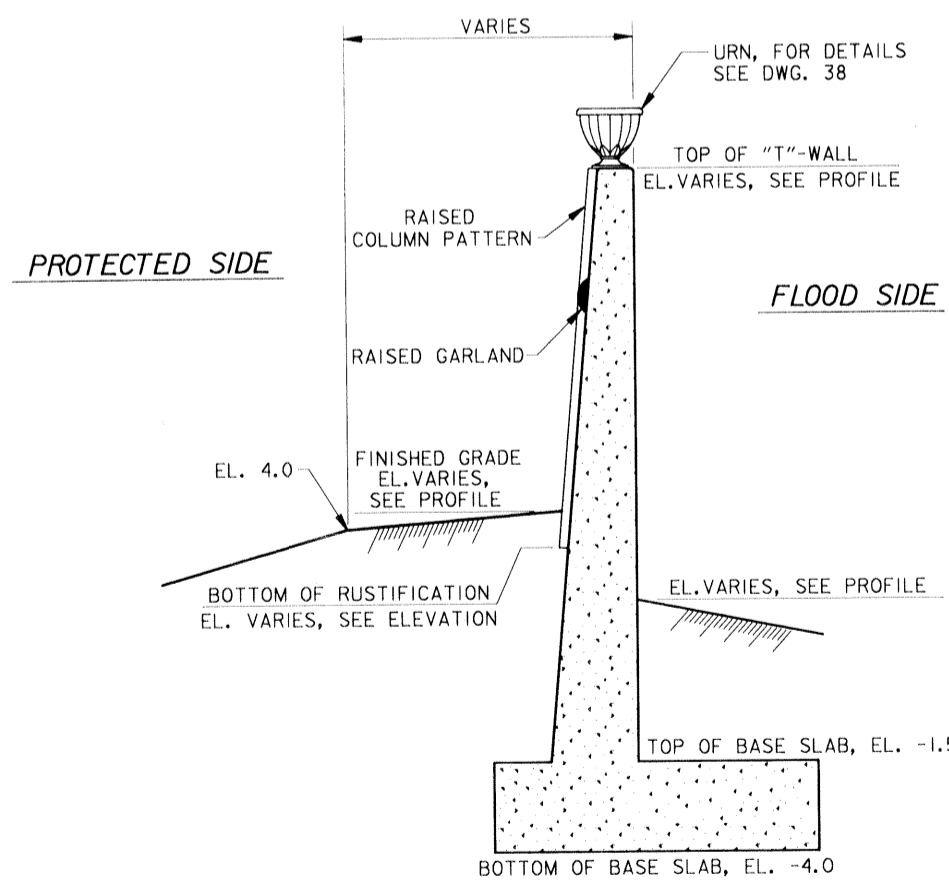
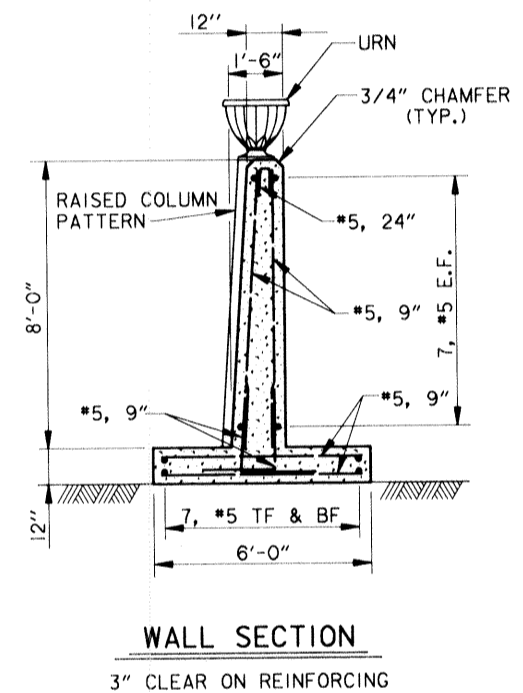
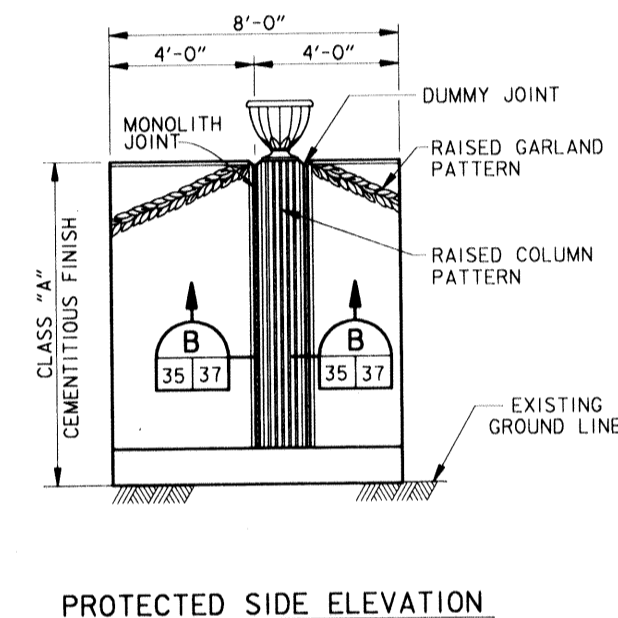
Safety is a Part of Your Contract



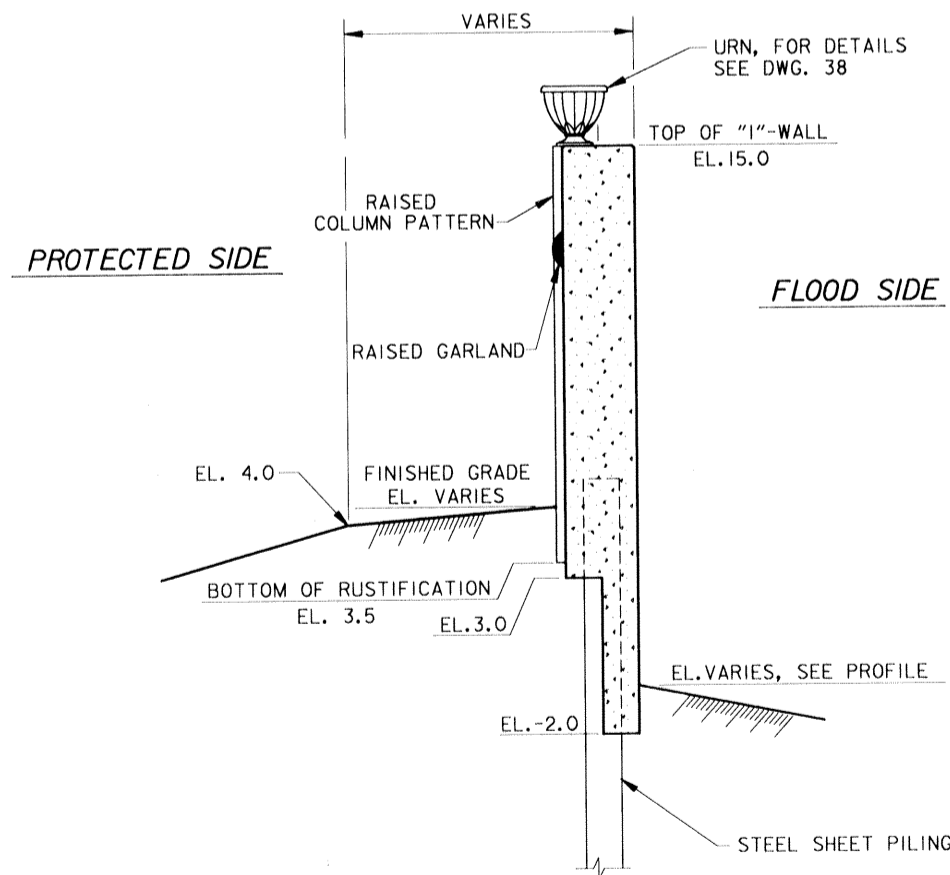
**NOTES**

1. CONTRACTOR SHALL SUBMIT FOR PRIOR APPROVAL, DRAWINGS SHOWING THE LOCATION OF ALL JOINTS IN ALL FORMS USED FOR CONSTRUCTION.
2. OMIT CHAMFERS ON ALL HORIZONTAL CONSTRUCTION JOINTS.

**PROTECTED SIDE ELEVATION  
TYPICAL WALL TREATMENT**  
SCALE: 1/4" = 1'- 0"



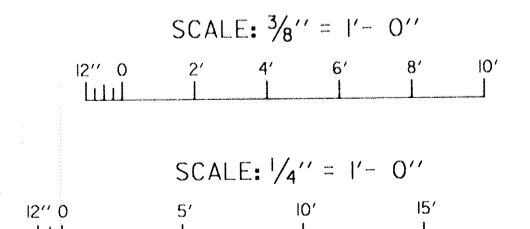
**SECTION A A**  
SCALE: 3/8" = 1'- 0"



**SECTION D D**  
SCALE: 3/8" = 1'- 0"

**REFERENCE DRAWINGS**

- FOR GENERAL NOTES, SEE DWG. 2.
- FOR PLAN AND PROFILE, SEE DWG. 3.
- FOR MONOLITH AND WALL TREATMENT LAYOUT, SEE DWG. 33.
- FOR WALL ARCHITECTURAL TREATMENT SECTIONS, SEE DWG. 37.
- FOR WALL ARCHITECTURAL TREATMENT DETAILS, SEE DWG. 38.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>WALL ARCHITECTURAL TREATMENT</b> <b>LAYOUT AND DETAILS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A16.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 35	OF 51
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		

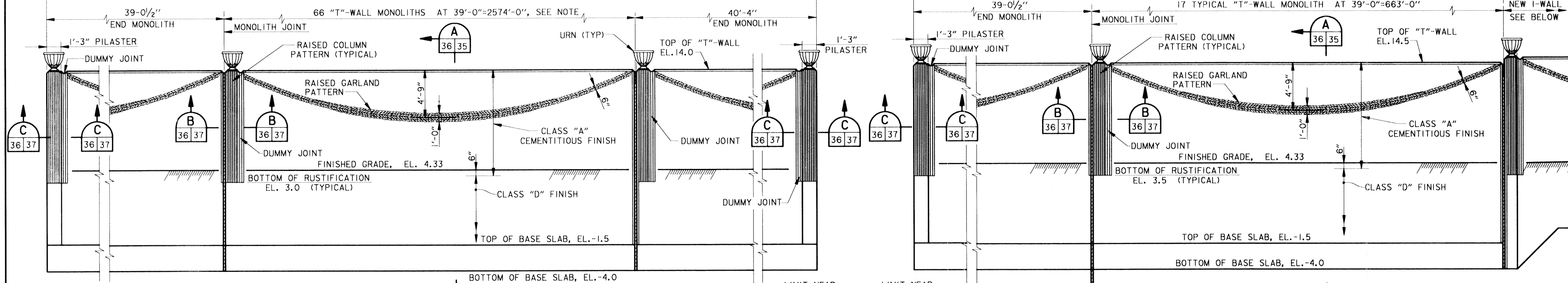
5  
LIMIT OF T-WALL  
STA. 326+53.37 W/L

NOTE:  
65 TYPICAL MONOLITHS AND 1 NON-TYPICAL MONOLITH, FOR DETAILS OF WALL TREATMENT AT NON-TYPICAL MONOLITH SEE DETAILS BELOW.

3  
LIMIT OF T-WALL  
STA. 300+00.00 W/L

2  
LIMIT OF T-WALL  
STA. 207+33.32 W/L

1  
LIMIT OF T-WALL  
STA. 200+31.28 W/L



LIMIT NEAR  
FILMORE AVE.

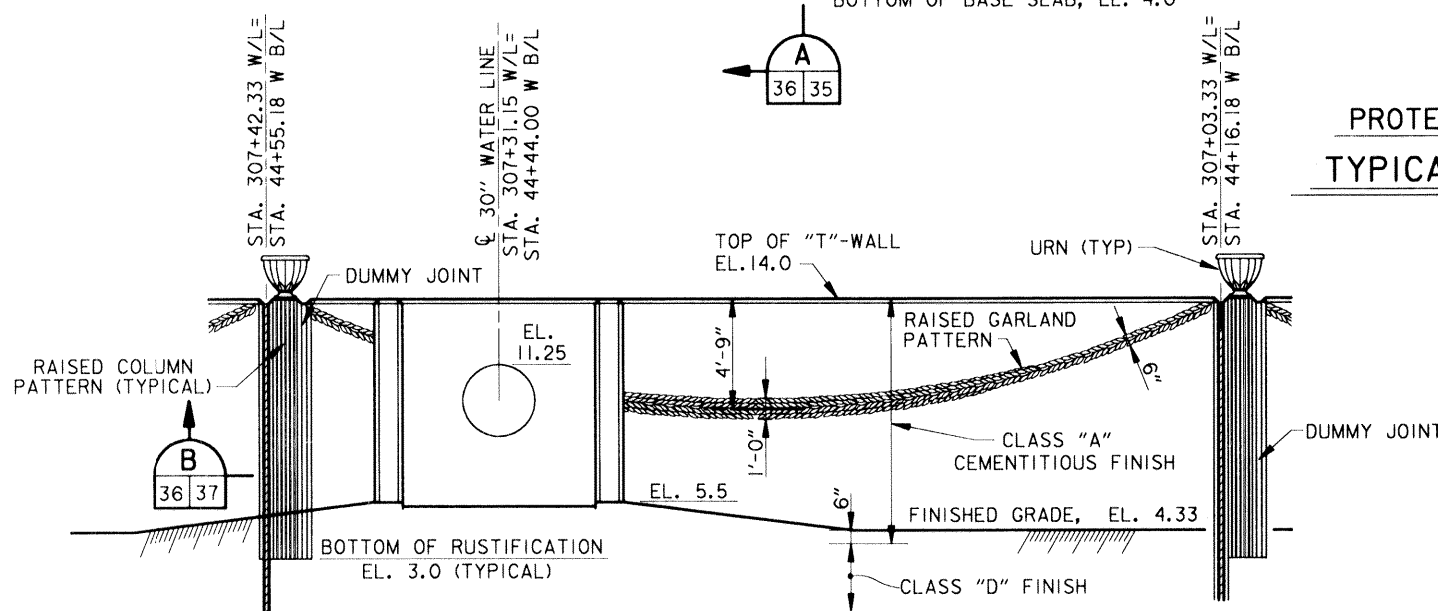
LIMIT NEAR  
HARRISON AVE.

LIMIT NEAR  
HARRISON AVE.

LIMIT NEAR  
HARRISON AVE.

PROTECTED SIDE ELEVATION  
TYPICAL WALL TREATMENT

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



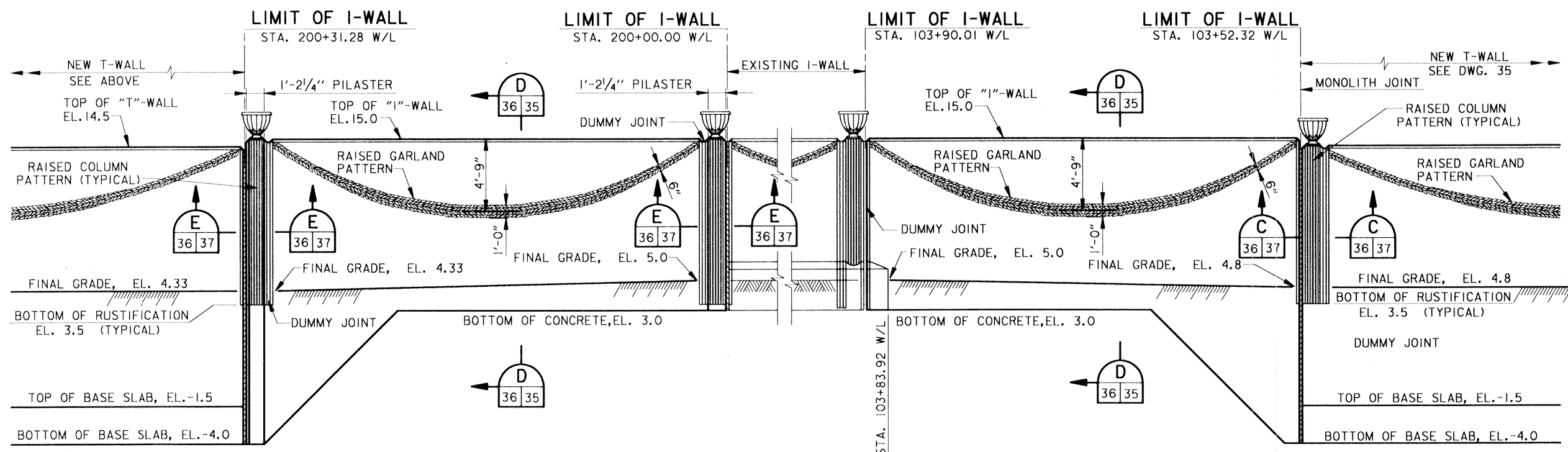
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of Your Contract

NOTES

- CONTRACTOR SHALL SUBMIT FOR PRIOR APPROVAL, DRAWINGS SHOWING THE LOCATION OF ALL JOINTS IN ALL FORMS USED FOR CONSTRUCTION.
- OMIT CHAMFERS ON ALL HORIZONTAL CONSTRUCTION JOINTS.

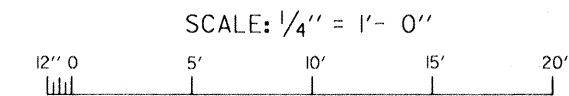
REFERENCE DRAWINGS

- FOR GENERAL NOTES, SEE DWG. 2.  
FOR PLAN AND PROFILE, SEE DWG. 3 THRU 8.  
FOR MONOLITH AND WALL TREATMENT LAYOUT, SEE DWG. 34.  
FOR WALL ARCHITECTURAL TREATMENT SECTIONS, SEE DWG. 37.  
FOR WALL ARCHITECTURAL TREATMENT DETAILS, SEE DWG. 38.

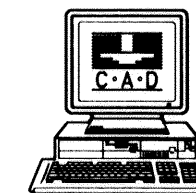


PROTECTED SIDE ELEVATION  
TYPICAL WALL TREATMENT

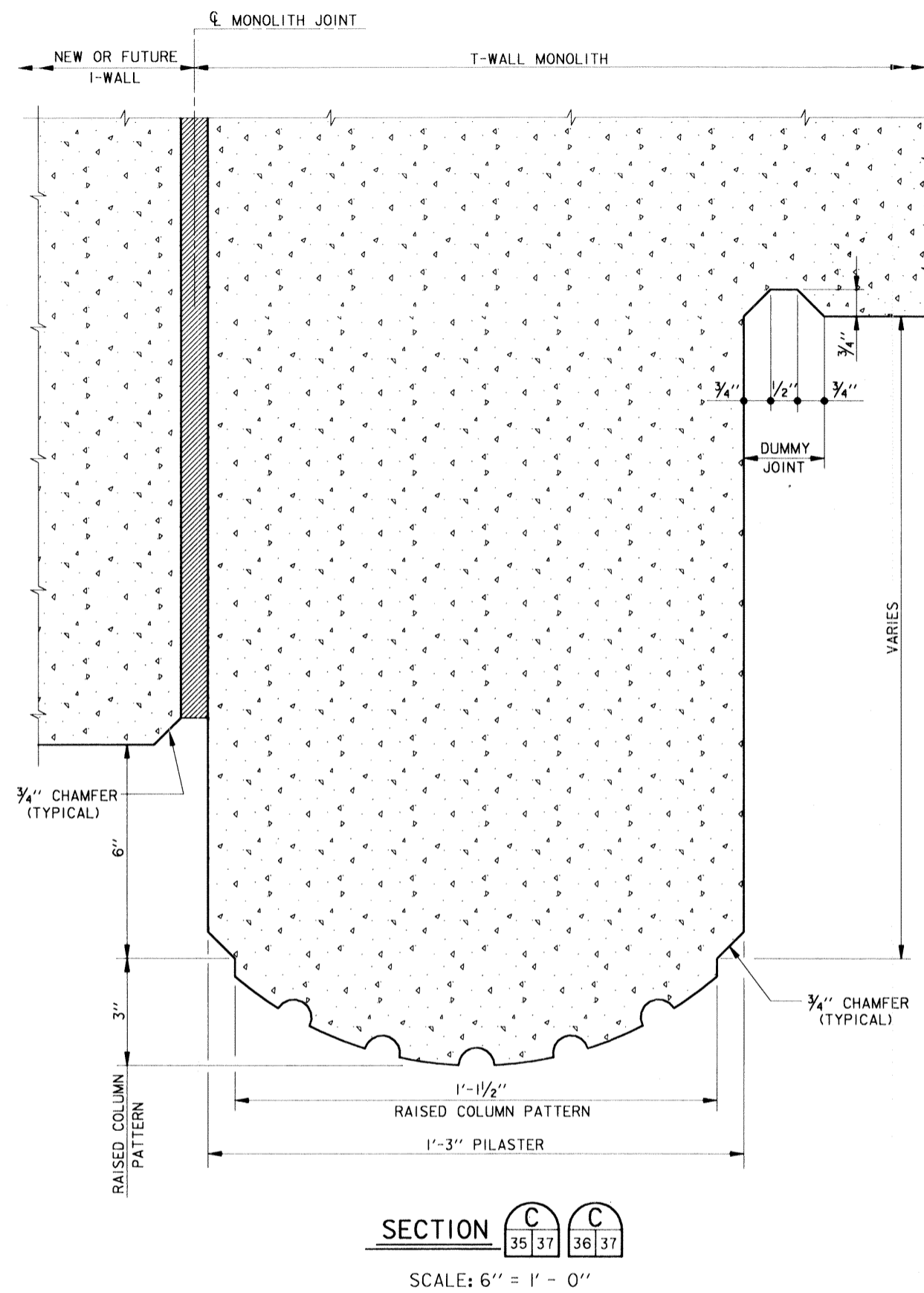
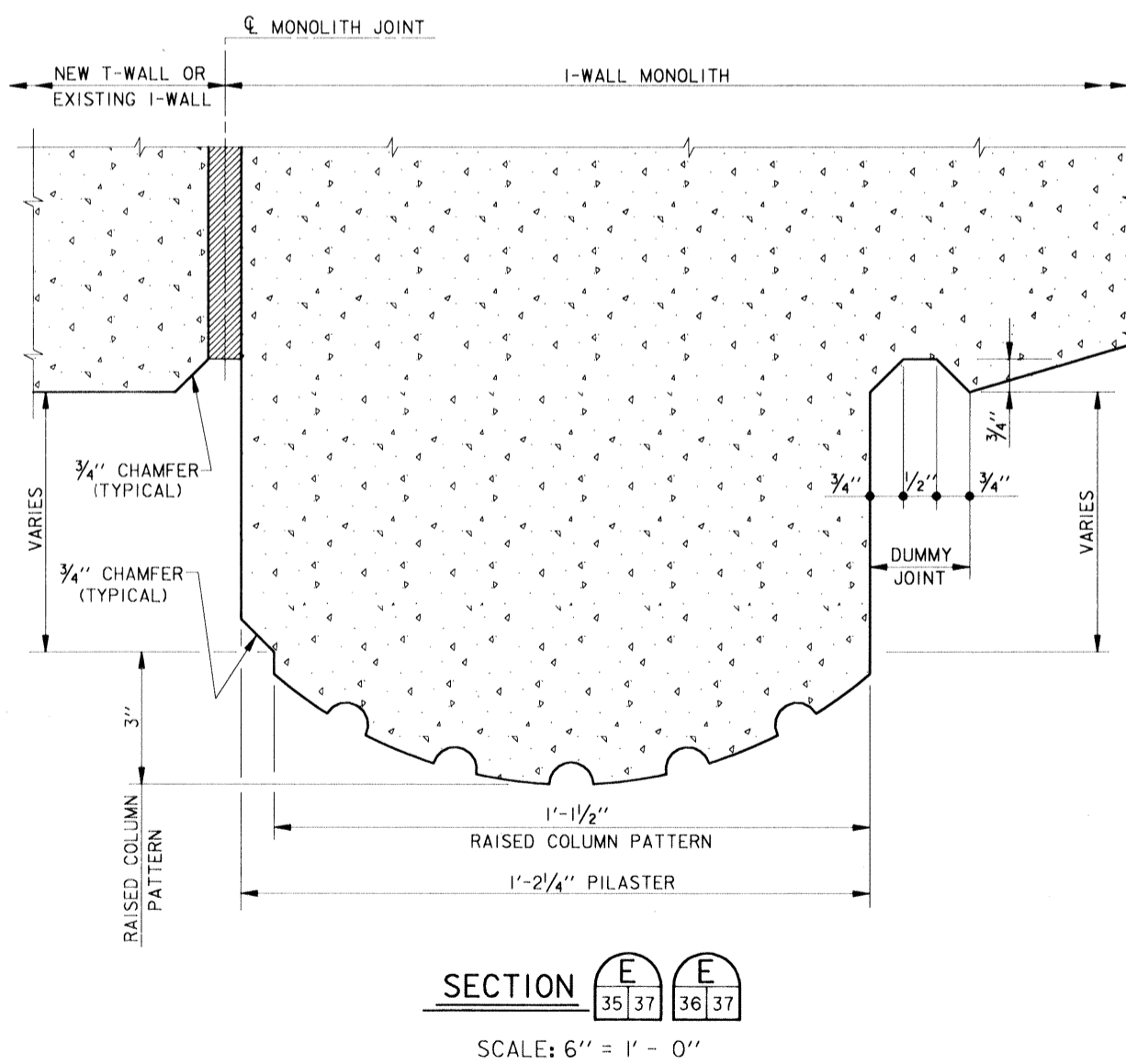
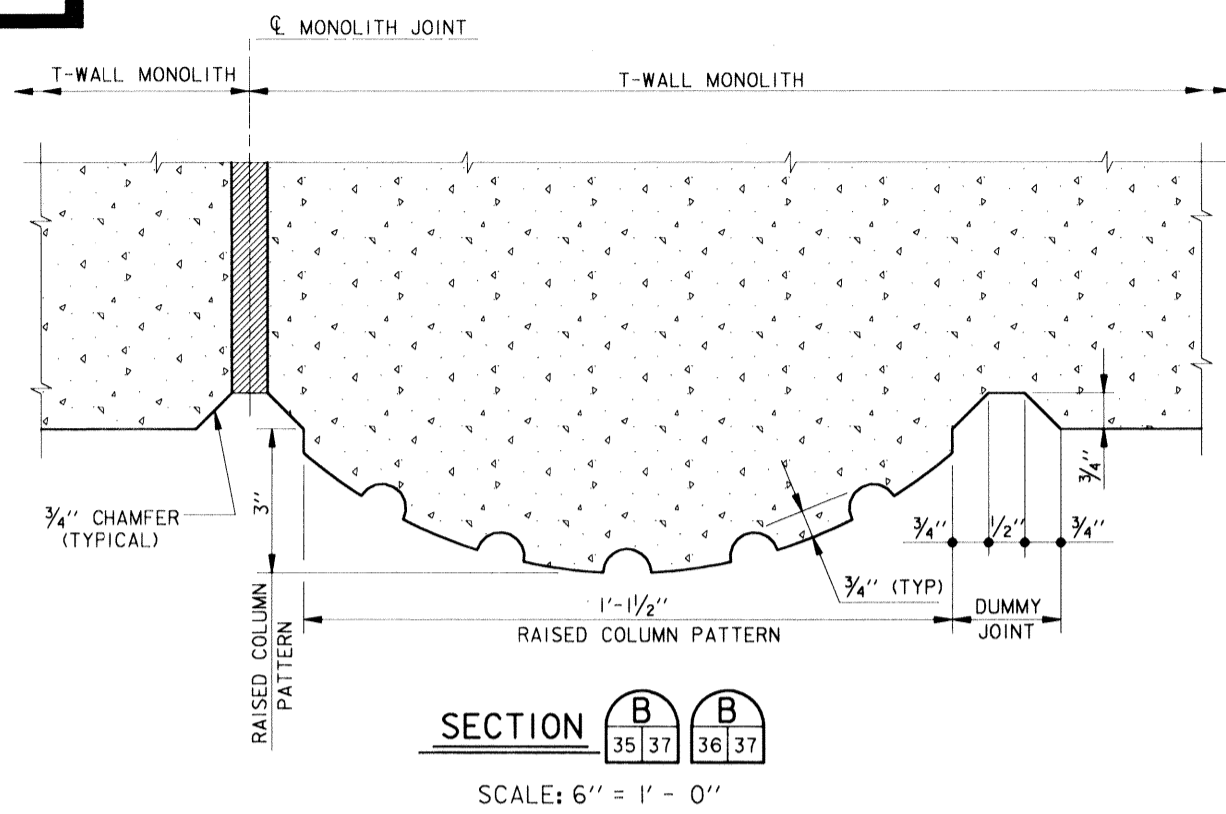
SCALE: 1/4" = 1'-0"



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>WALL ARCHITECTURAL TREATMENT</b> <b>LAYOUT AND DETAILS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 48	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A21.DGN	FILE NO.	H-4-40393
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 36	OF 51
SUBMITTED BY:	DESIGN ENGINEER		

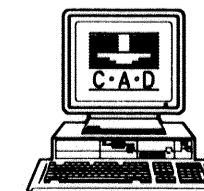
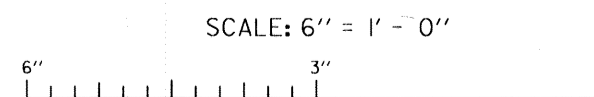


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REFERENCE DRAWINGS

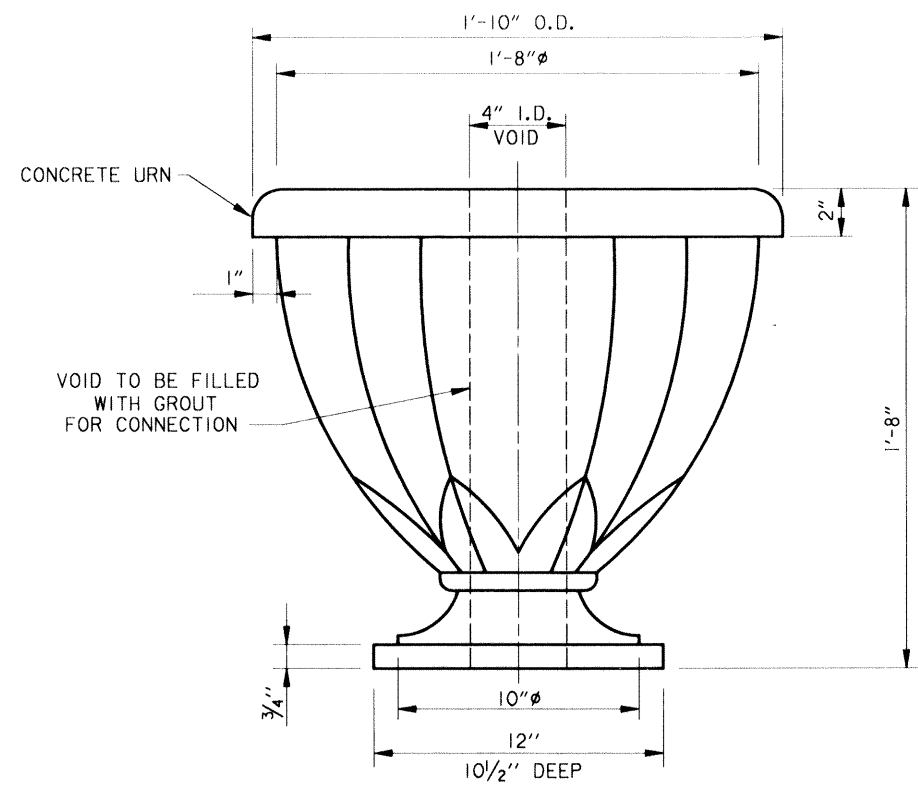
FOR GENERAL NOTES, SEE DWG. 2.  
FOR MONOLITH AND WALL TREATMENT LAYOUT  
AND DETAILS, SEE DWGS. 33 THRU 36.



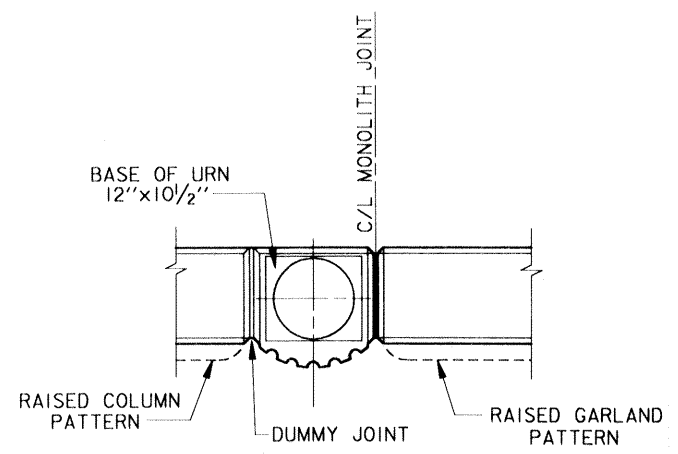
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 <b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>WALL ARCHITECTURAL TREATMENT</b> <b>SECTIONS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 2	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A17.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 37 OF 51	
SUBMITTED BY: J. ROMERO DESIGN ENGINEER			



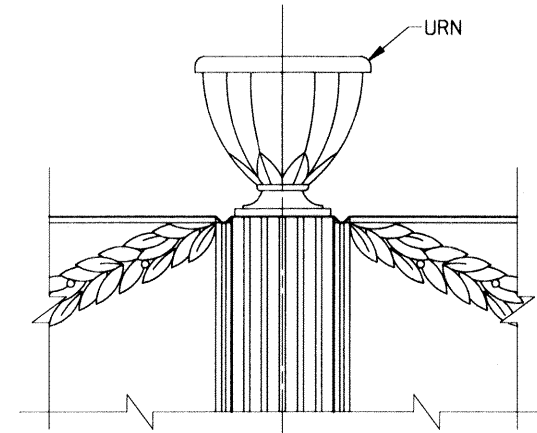
Safety is a Part of Your Contract



URN



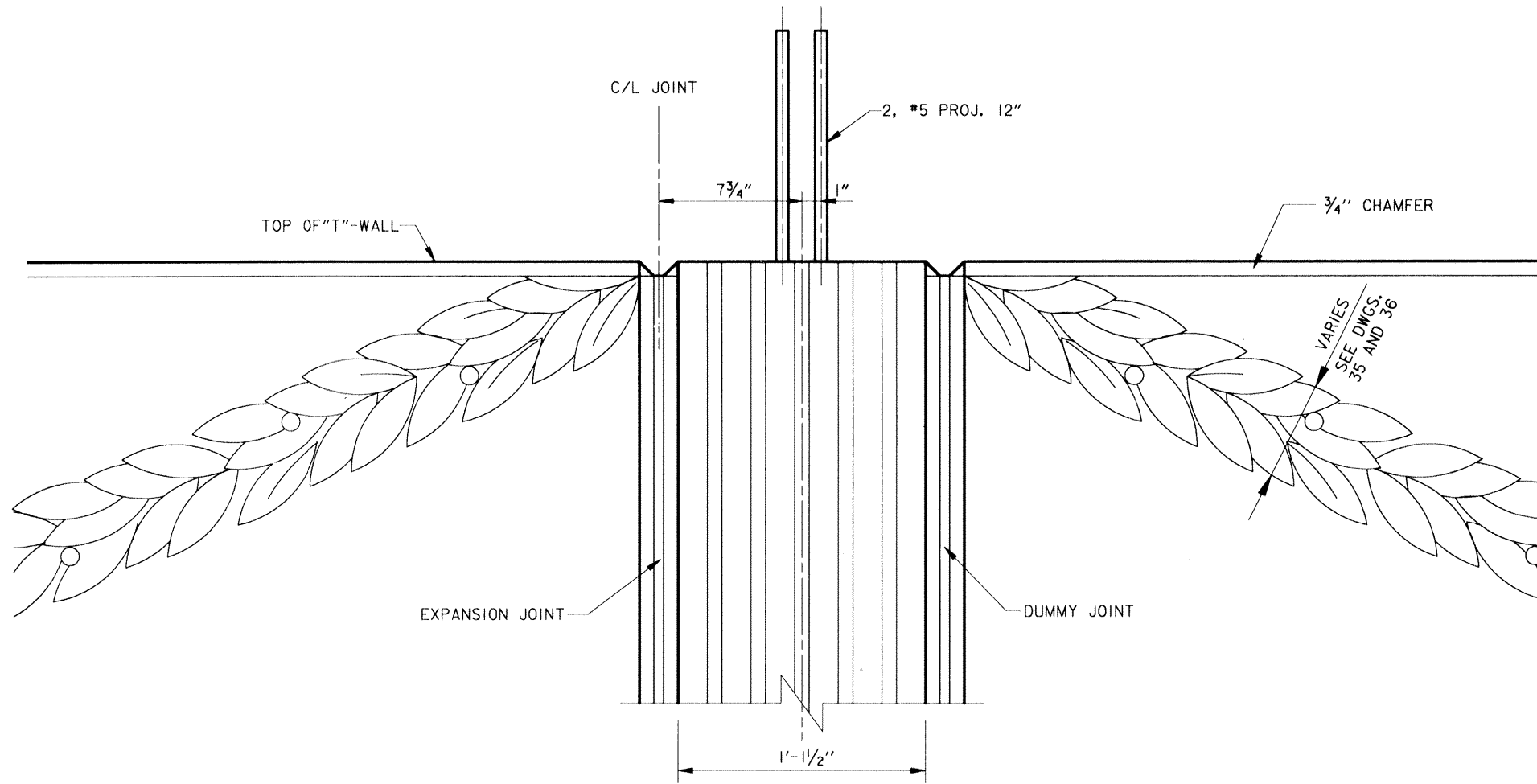
PLAN



ELEVATION

ASSEMBLED VIEWS

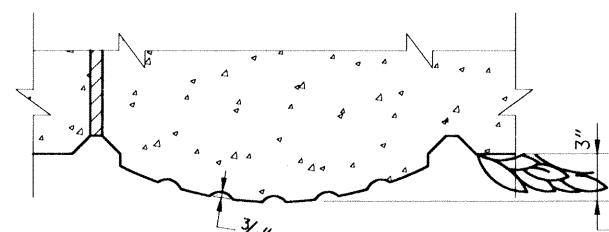
SCALE: 1" = 1'-0"



COLUMN AND GARLAND

DETAIL VIEWS

SCALE: 3" = 1'-0"



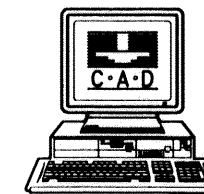
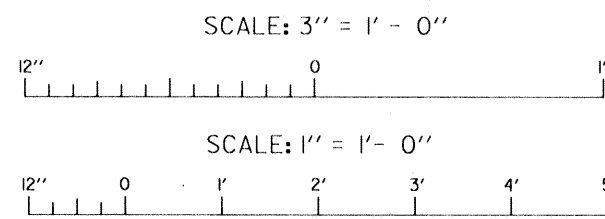
COLUMN PLAN


NOTES:

1. FIBERGLASS NEGATIVE MOLDS OF THE GARLAND AND COLUMN TEXTURE WILL BE FURNISHED TO THE CONTRACTOR BY THE GOVERNMENT. FROM THESE NEGATIVE MOLDS THE CONTRACTOR SHALL CAST POSITIVE MOLDS TO BE USED FOR MAKING REQUIRED FORM LINERS.
2. THE GOVERNMENT WILL FURNISH TWO RUBBER URN FORMS TO THE CONTRACTOR.
3. URNS TO BE PRECAST AND INSTALLED ONTO BARS WHICH PROJECT FROM THE TOP OF "T"-WALL. FILL VOID IN URN WITH GROUT TO CONNECT URN TO "T"-WALL.

REFERENCE DRAWINGS

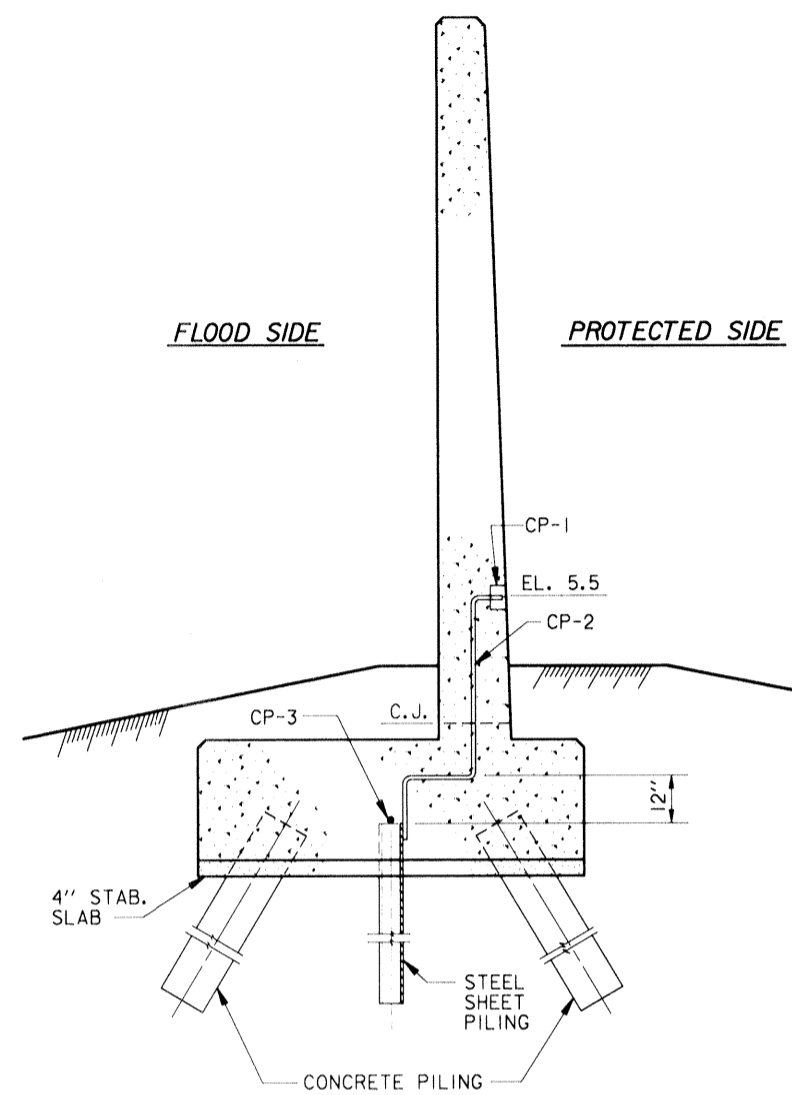
FOR GENERAL NOTES, SEE DWG. 2.  
FOR ARCHITECTURAL TREATMENT LAYOUT AND DETAILS, SEE DWGS. 35 AND 36.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 <b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>WALL ARCHITECTURAL TREATMENT DETAILS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 1	PLOT DATE: NOV. 94
DRAWN BY: D.J.B.	CHECKED BY: J. ROMERO	CADD FILE: 40393D02.DGN	FILE NO. H-4-40393
SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DESIGN ENGINEER	DWG. 38 OF 51



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**CORROSION PROTECTION DETAIL**

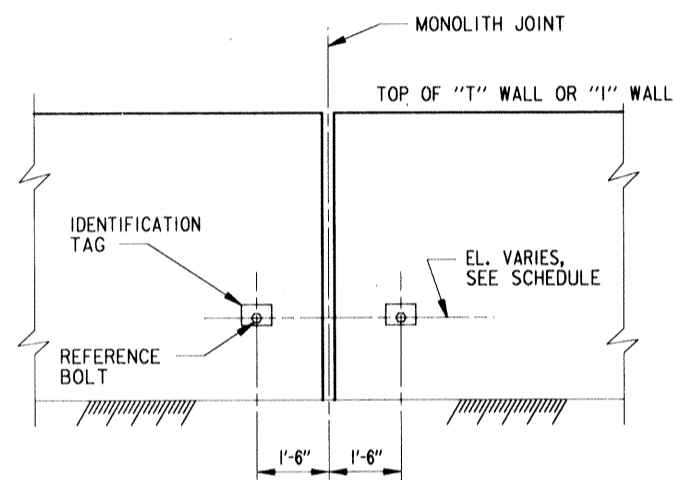
**T-TYPE WALL**

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

FERRULE SCHEDULE	
W/L STATION	
100+43.26	
200+34.28	
300+03.00	
310+03.00	
320+03.00	

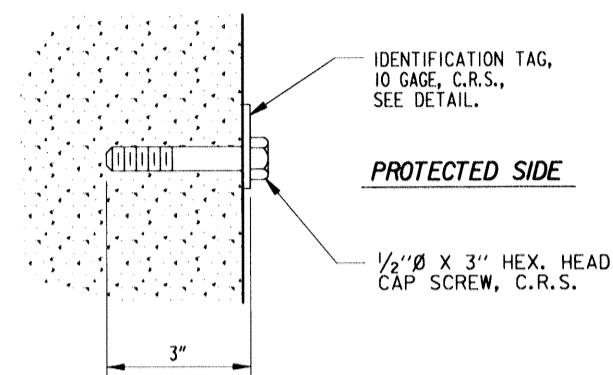
**LEGEND**

- CP-1 6" STANDARD IRON BODY FERRULE WITH BRASS SCREW PLUG. FOR LOCATION OF FERRULES, SEE FERRULE SCHEDULE.
- CP-2 #6 REINFORCING BAR WELDED TO SHEET PILE AND TERMINATED IN THE FERRULE WITHIN 1/2" OF THE COVER.
- CP-3 #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 T-WALL AND I-WALL JOINTS AND AT ALL TRANSITIONS FROM T-WALL TO I-WALL JOINTS. BOND CABLES SHALL HAVE AN 8" DIAMETER LOOP TO ALLOW FOR STRESSES. BOND CABLES SHALL BE WELDED AS SPECIFIED TO ADJACENT STEEL PILES 12" BELOW THE BOTTOM OF BASE SLAB FOR T-WALL JOINTS, 7" BELOW BOTTOM OF CONCRETE CAP FOR I-WALL JOINTS AND AT TRANSITIONS FROM T-WALL TO I-WALL JOINTS. WELDED CONNECTIONS SHALL BE COATED WITH SPLICING EPOXY TO OBTAIN MOISTURE PROOF JOINT. SEE SPECIFICATIONS.



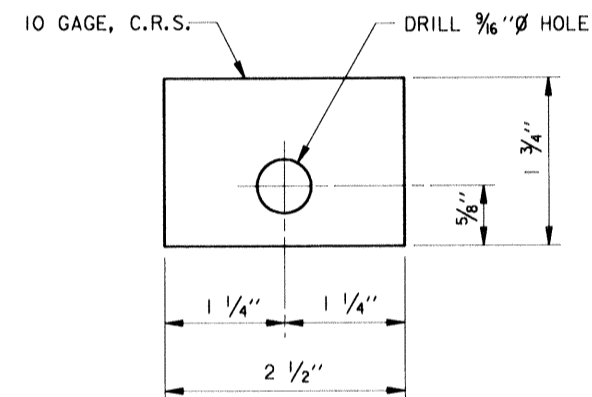
**TYPICAL ELEVATION OF SETTLEMENT REFERENCE MARKER**

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



**REFERENCE BOLT**

SCALE: 6" = 1' - 0"



**IDENTIFICATION TAG**

SCALE: 12" = 1' - 0"

SETTLEMENT REFERENCE MARKER SCHEDULE		
S.R.M. NO.	W/L STATION *	ELEVATION **
1.	100+01.50	8.0
2.	100+38.76	8.0
3.	100+41.76	8.0
4.	103+50.82	8.0
5.	103+53.82	8.0
6.	103+88.51	8.0
7.	200+01.50	8.0
8.	200+29.78	8.0
9.	200+31.78	8.0
10.	203+80.78	8.0
11.	203+83.78	8.0
12.	207+31.82	8.0
13.	300+01.50	8.0
14.	302+72.83	8.0
15.	302+75.83	8.0
16.	305+45.83	8.0
17.	305+48.83	8.0
18.	308+18.83	8.0
19.	308+21.83	8.0
20.	310+91.83	8.0
21.	310+94.83	8.0
22.	313+64.83	8.0
23.	313+67.83	8.0
24.	316+37.83	8.0
25.	316+40.83	8.0
26.	319+10.83	8.0
27.	319+13.83	8.0
28.	321+83.83	8.0
29.	321+86.83	8.0
30.	324+56.83	8.0
31.	324+59.83	8.0
32.	326+51.85	8.0

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

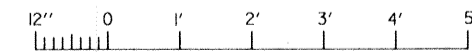
**REFERENCE DRAWINGS**

FOR GENERAL NOTES, SEE DWG. 2.  
 FOR PLAN AND PROFILE, SEE DWGS. 3 THRU 8.  
 FOR TYPICAL WALL SECTIONS, SEE DWG. 27.

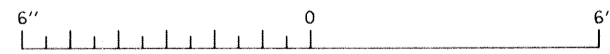
SCALE: 1/2" = 1' - 0"



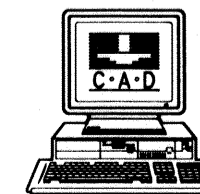
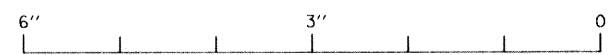
SCALE: 3/4" = 1' - 0"



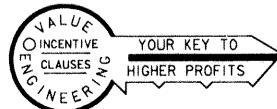
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SCALE: 12" = 1' - 0"

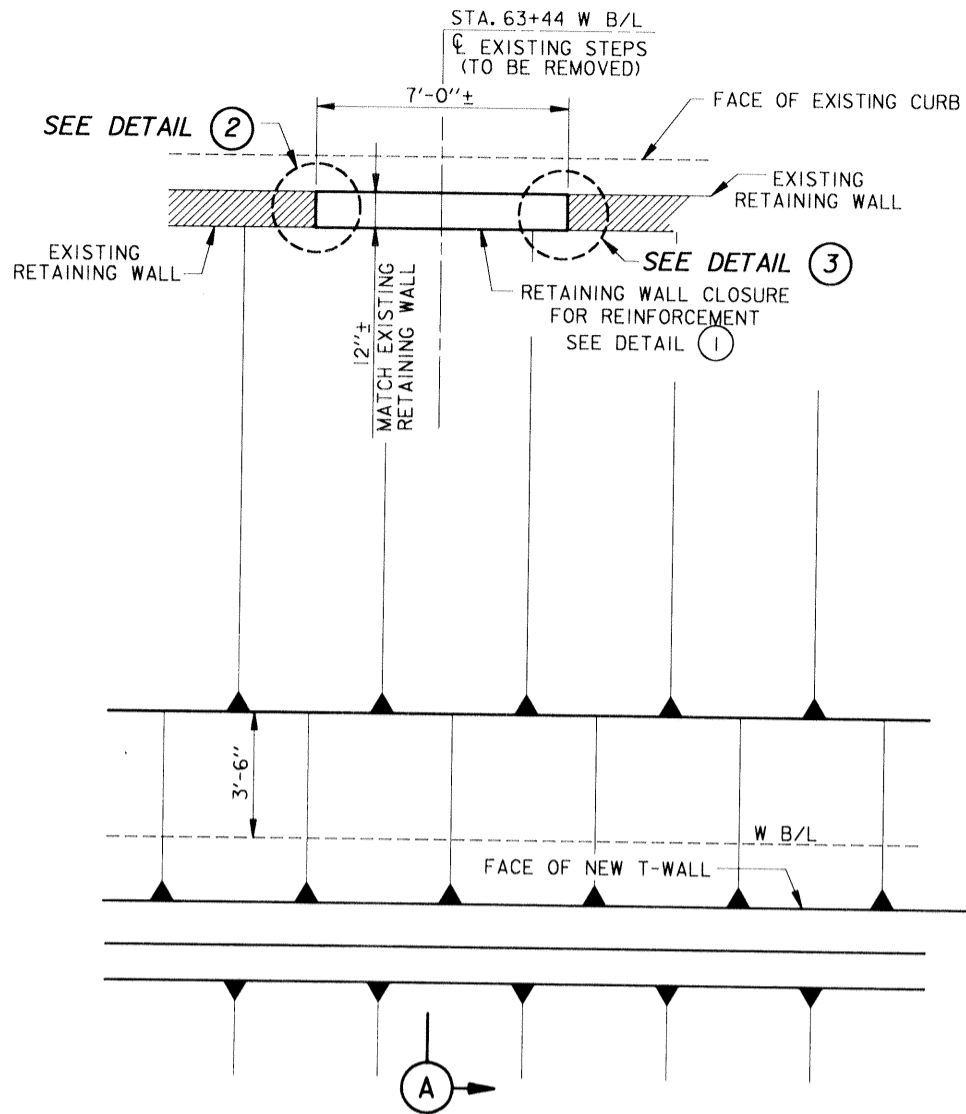


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>MISCELLANEOUS DETAILS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 1	PLOT DATE: NOV. 94
DRAWN BY: B. DORCEY	CADD FILE: 40393A27.DGN	FILE NO. <b>H-4-40393</b>	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 39 OF 51	
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		

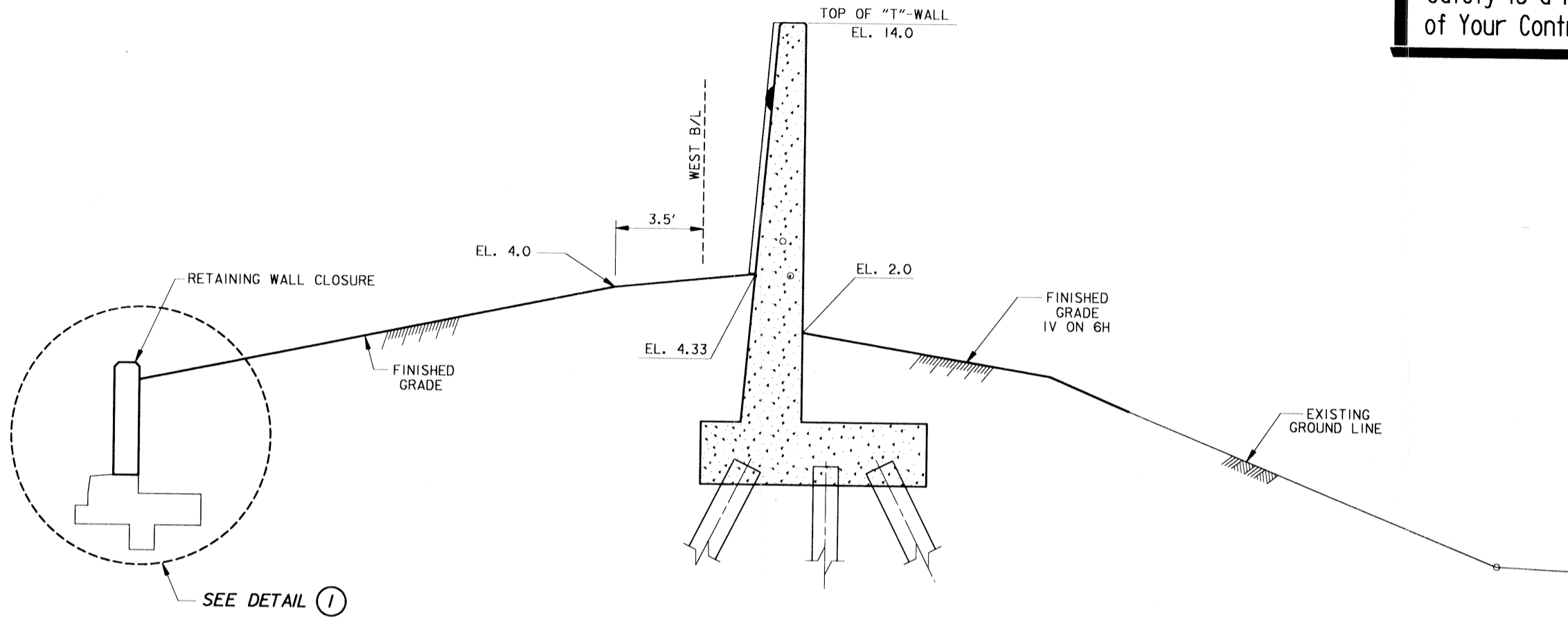




ORLEANS AVENUE

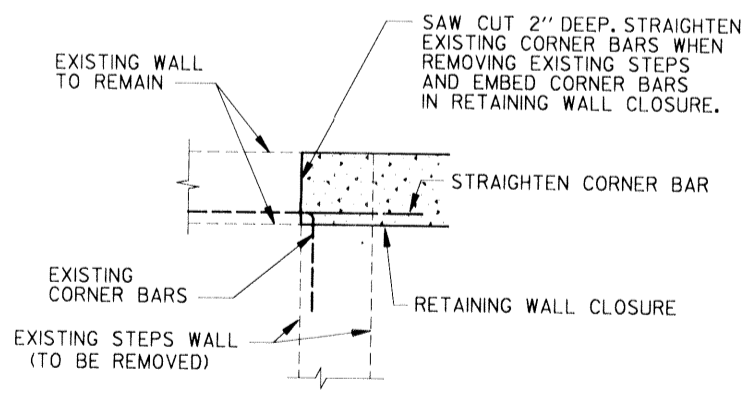


**PLAN**  
SCALE: 3/8" = 1'- 0"

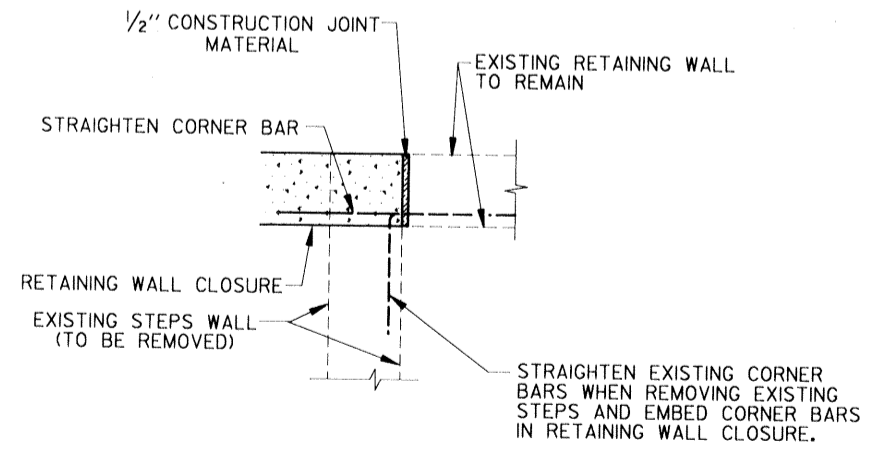


**SECTION (A)**  
SCALE: 3/8" = 1'- 0"

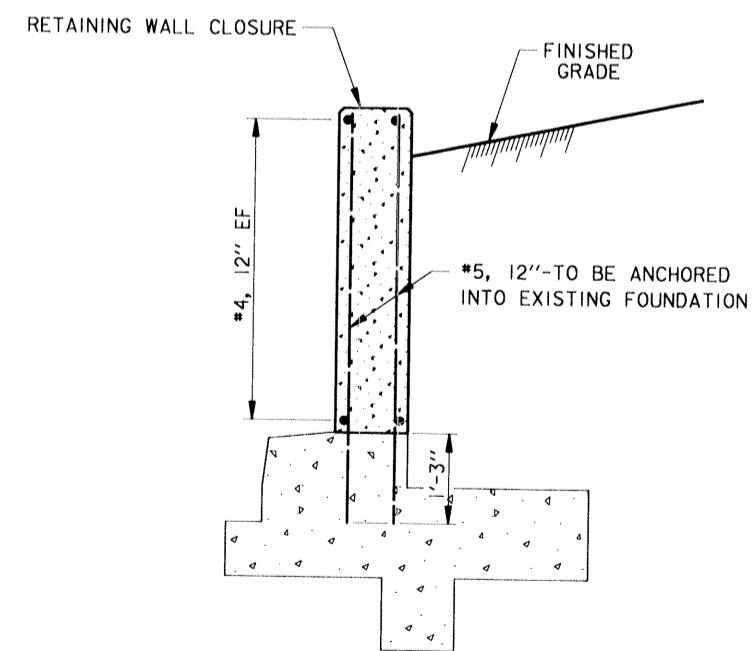
**Safety is a Part of Your Contract**



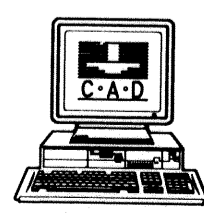
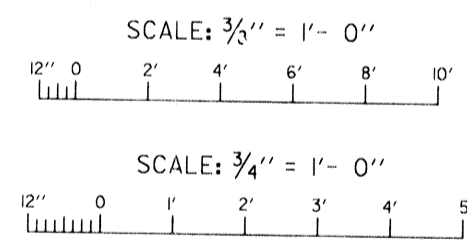
**DETAIL (2)**  
SCALE: 3/4" = 1'- 0"



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



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

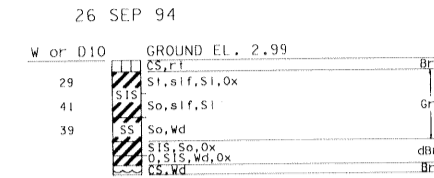


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>RETAINING WALL CLOSURE</b> <b>VICINITY STA. 63+44 W B/L</b>			
DESIGNED BY: M.DESAI	DATE: NOV. 1994	PLOT SCALE: 32	PLOT DATE: NOV. 1994
DRAWN BY: L.MAGEE	CADD FILE: 40393P01.DGN	FILE NO. <b>M-4-40393</b>	
CHECKED BY: J.ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 40 OF 51	
SUBMITTED BY: J.ROMERO DESIGN ENGINEER			

Safety is a Part  
of Your Contract

**W.B. STA. 23+00, 4' RT.**

BOR. OA1 (94-42)  
W.B. STA. 23+00  
4 FT RT.



**W.B. STA. 31+38, 28' LT.**

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

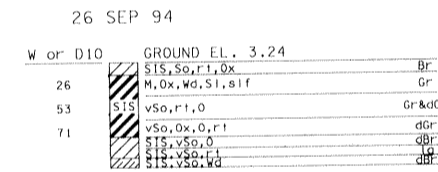
Name of Project: Orleans Levee District, Orleans Avenue Outfall Canal  
OLB Project No. 2048-0304, New Orleans, Louisiana  
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.  
Design Engineering, Inc., Metairie, Louisiana

Boring No. 14 Soil Technician A. J. Mayeux Date 20 September 1985  
Ground Elev. -3.30 Datum NGVD Gr. Water Depth

Sample No.	SAMPLE DEPTH - Feet		DEPTH STRATUM - Feet		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
	0.0	0.5	0.0	0.5	Asphalt	
	0.5	1.5	0.5	1.5	Sand & shell fill	
1	2.0	3.0	1.5	3.0	Soft black & gray clay w/organic matter, roots & shell fragments	
2	5.0	6.0	3.0	7.5	Very soft gray & black clay w/organic matter & roots	
3	8.0	9.0	7.5	10.0	Soft gray clay	
4	11.0	12.0	10.0	12.0	Very soft gray clay w/sand pockets	
5	12.0	13.5	12.0	15.0	Loose gray clayey sand w/shell fragments	1 5
6	15.0	16.5	15.0		Medium dense gray sand w/shell fragments	3 11
7	18.5	20.0			Ditto	7 19
8	21.0	22.5			Ditto	3 11
9	23.5	25.0		28.5	Ditto	5 16
10	28.5	30.0	28.5		Dense gray sand w/shell fragments	6 32
11	33.5	35.0			Ditto	10 48
12	38.5	40.0		41.0	Ditto	10 35
13	43.5	45.0	41.0		Medium stiff gray clay w/sand pockets & shell fragments	3 6
14	49.0	50.0	50.0		Ditto	

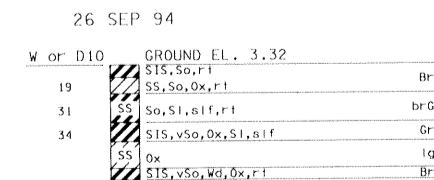
**W.B. STA. 34+00, 3.5' RT.**

BOR. OA3 (94-42)  
W.B. STA. 34+00  
3.5 FT RT.



**W.B. STA. 38+00, 3' RT.**

BOR. OA4 (94-42)  
W.B. STA. 38+00  
3 FT RT.



**W.B. STA. 24+94, 2' LT.**

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

Name of Project: Orleans Levee District, Orleans Avenue Outfall Canal  
OLB Project No. 2048-0304, New Orleans, Louisiana  
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.  
Design Engineering, Inc., Metairie, Louisiana

Boring No. 10 Soil Technician A. J. Mayeux Date 21 September 1985  
Ground Elev. -5.73 Datum NGVD Gr. Water Depth

Sample No.	SAMPLE DEPTH - Feet		DEPTH STRATUM - Feet		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
1	2.0	3.0	0.0	4.5	Medium stiff brown & gray clay w/silty sand pockets	
2	5.0	6.0	4.5	8.0	Very soft to soft brown clay w/humus & sand pockets	
3	8.0	9.0	8.0	10.0	Very soft dark gray clay w/organic matter & sand pockets	
4	11.0	12.0	10.0		Very soft brown & gray clay w/organic matter	
5	15.0	16.0	18.0		Very soft brown & gray clay w/humus & roots	
6	18.5	20.0	18.0		Medium dense gray sand	2 16
7	21.0	22.5			Ditto	5 18
8	23.5	25.0			Medium dense gray sand w/shell fragments	3 15
9	26.0	27.5			Ditto	3 15
10	28.5	30.0			Ditto	4 22
11	33.5	35.0			Ditto	6 18
12	38.5	40.0			Ditto	6 20
13	43.5	45.0	48.0		Ditto	8 22
14	48.5	50.0	48.0	50.0	Soft gray clay w/sand pockets & shell fragments	3 3

**W.B. STA. 28+38, 24' LT.**

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

Name of Project: Orleans Levee District, Orleans Avenue Outfall Canal  
OLB Project No. 2048-0304, New Orleans, Louisiana  
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.  
Design Engineering, Inc., Metairie, Louisiana

Boring No. 12 Soil Technician R. Elkins Date 19 September 1985  
Ground Elev. -1.27 Datum NGVD Gr. Water Depth

Sample No.	SAMPLE DEPTH - Feet		DEPTH STRATUM - Feet		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
	0.0	0.5	0.0	0.5	Asphalt	
1	3.0	4.5	0.5	5.0	Loose gray sand w/wood	3 10
2	5.0	6.5	5.0		Very soft gray clay w/wood	1 2
	7.5	8.5			Ditto	
3	10.5	11.5	12.0		Ditto	
4	12.0	13.5	12.0		Loose gray sand w/wood	1 7
5	14.5	16.0	17.0		Ditto	1 7
6	17.0	18.5	17.0	19.5	Medium dense gray sand	3 12
7	19.5	21.0	19.5	23.5	Loose gray sand	2 8
8	23.5	25.0	23.5	28.5	Medium dense gray sand	5 28
9	28.5	30.0	28.5	33.5	Dense gray sand	10 37
10	33.5	35.0	33.5	38.5	Medium dense gray sand w/shell fragments	2 18
11	38.5	40.0	38.5	41.5	Soft gray sandy clay	7 6
12	43.0	44.0	41.5		Medium stiff gray clay w/sand pockets & shell fragments	
13	48.0	49.0	50.0		Ditto	

**W.B. STA. 37+58, 24.5' LT.**

LOG OF BORING  
EUSTIS ENGINEERING COMPANY  
SOIL AND FOUNDATION CONSULTANTS  
METAIRIE, LA. Sheet 1 of 2

Name of Project: Orleans Levee District, Orleans Avenue Outfall Canal  
OLB Project No. 2048-0304, New Orleans, Louisiana  
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.  
Design Engineering, Inc., Metairie, Louisiana

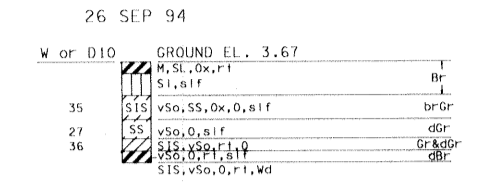
Boring No. 16 Soil Technician S. Porta & R. Elkins Date 20 September 1985  
Ground Elev. -1.24 Datum NGVD Gr. Water Depth See Text

Sample No.	SAMPLE DEPTH - Feet		DEPTH STRATUM - Feet		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
	0.0	0.5	0.0	0.5	Asphalt	
	0.5	1.0	0.5	1.0	Shells & sand	
1	2.5	3.0	1.0	4.0	Medium stiff brown & gray clay w/shells & gravel	
	4.0	5.5	4.0	5.5	Wood	
2	5.5	6.0	5.5	7.0	Soft brown humus w/wood & organic clay layers	
3	8.5	9.0	7.0	11.5	Soft brown organic clay w/roots & wood	
4	11.5	12.0	11.5	12.0	Loose gray silty sand w/clay pockets & layers	
5	12.0	13.5	12.0	17.5	Very soft gray clay w/sand layers & pockets	
6	17.5	18.0	17.5		Loose gray silty sand w/clay pockets	
7	18.0	19.5			Ditto	2 9
8	20.5	22.0			Ditto	3 9
9	23.5	25.0		26.0	Ditto	3 13
10	26.0	27.5	26.0		Medium dense gray silty sand	2 15
11	28.5	30.0		33.5	Ditto	6 23
12	33.5	35.0	33.5	35.0	Very dense gray silty sand	9 50-10*
13	38.5	40.0	35.0	43.5	Loose greenish-gray silty sand	9 12
14	43.5	45.0	43.5		Soft gray clay w/sand pockets	1 2
15	49.5	50.0			Medium stiff gray clay w/sand pockets & sand	
16	54.5	55.0	57.0		Medium stiff gray clay	
17	59.5	60.0	57.0	60.0	Stiff greenish-gray & tan clay	
18	60.0	61.0	60.0		Medium dense gray sandy silt w/shell fragments	
19	61.0	62.5			Medium dense gray sandy silt	6 15
20	63.5	65.0			Ditto	8 17
21	66.0	67.5			Ditto	6 15
22	68.5	70.0			Ditto	5 27
23	73.5	75.0	78.5		Ditto	11 22
24	78.5	80.0	78.5	83.5	Medium dense gray & tan sandy silt w/clay layers	6 22
25	83.5	85.0	83.5		Stiff gray clay w/silt layers	3 5
26	88.0	89.0			Stiff gray clay w/silt lenses	
27	93.0	94.0			Ditto	
28	98.0	99.0	100.0		Ditto	

NOTES:  
FOR LOCATION OF BORINGS, SEE DWGS. 4 THRU 6.  
FOR SOIL BORING LEGEND, SEE DWG. 44.

**W.B. STA. 30+00, 4' RT.**

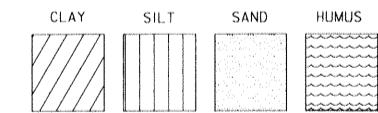
BOR. OA2 (94-42)  
W.B. STA. 30+00  
4 FT RT.



NOTES:

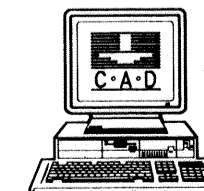
- STANDARD PENETRATION TEST  
\*NUMBER IN FIRST COLUMN INDICATES NUMBER OF BLOWS OF 140-LB HAMMER DROPPED 30 IN. REQUIRED TO SEAT 2-IN. O.D. SPLITSPOON SAMPLER 6 IN. NUMBER IN SECOND COLUMN INDICATES NUMBER OF BLOWS OF 140-LB. HAMMER DROPPED 30 IN. REQUIRED TO DRIVE 2-IN. O.D. SPLITSPOON SAMPLER 1 FT. AFTER SEATING 6 IN.
- FOR SOIL BORINGS OAI-OA10 & 3-OUW, SEE LEGEND DRAWING
- FOR EUSTIS ENGINEERING BORINGS FURTHER INFORMATION IS AVAILABLE IN EUSTIS ENGINEERING APPENDICES DATED 19 JUNE 1989 GEOTECHNICAL INVESTIGATION ORLEANS AVENUE OUTFALL CANAL OLB PROJECT NO. 2048-0304 NEW ORLEANS, LOUISIANA.
- 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.

LEGEND FOR BORINGS 10-26



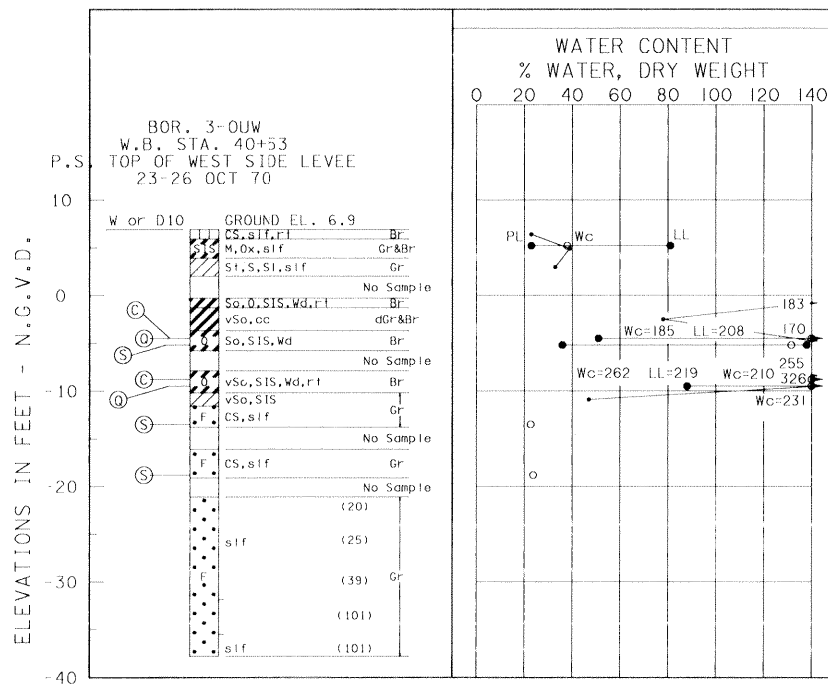
PREDOMINANT TYPE SHOWN HEAVY.  
MODIFYING TYPE SHOWN LIGHT.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> PHASE II-C (WEST SIDE)-FLOODWALL STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>SOIL BORINGS</b>			
DESIGNED BY: VOJKOVICH	DATE: NOV. 1994	PLOT SCALE: 1	PLOT DATE: NOV. 1994
DRAWN BY: WOODS	CHECKED BY: RICHARDSON	CADD FILE: 40393A51.DGN	FILE NO. H-4-40393
SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 41 OF 51	

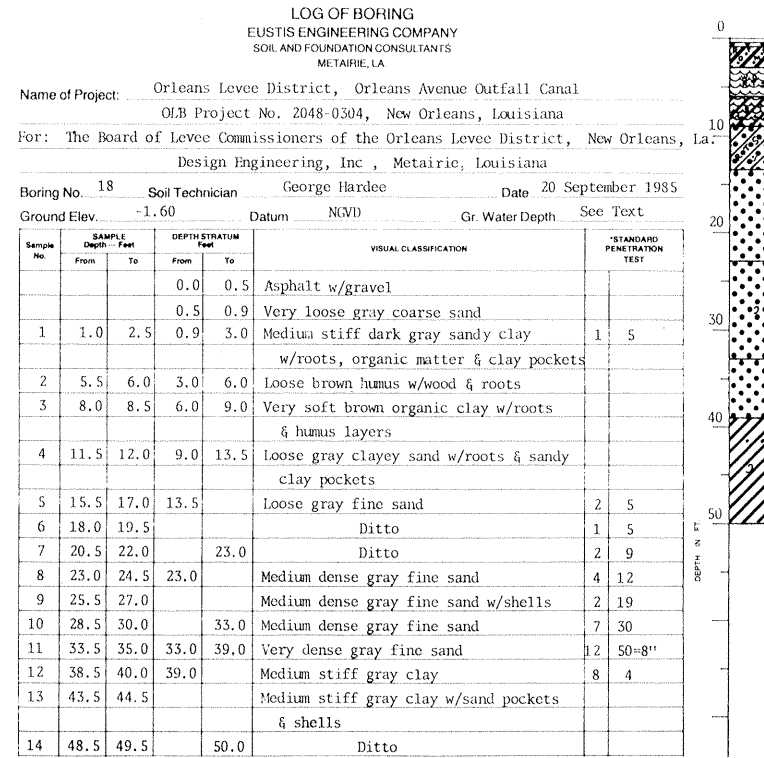


Safety is a Part of Your Contract

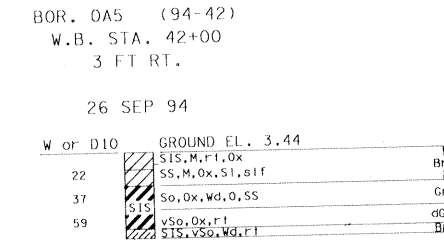
W.B. STA. 40+53



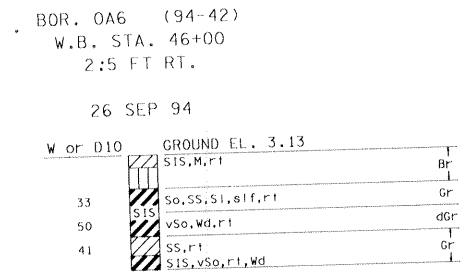
W.B. STA. 41+40, 23' LT.



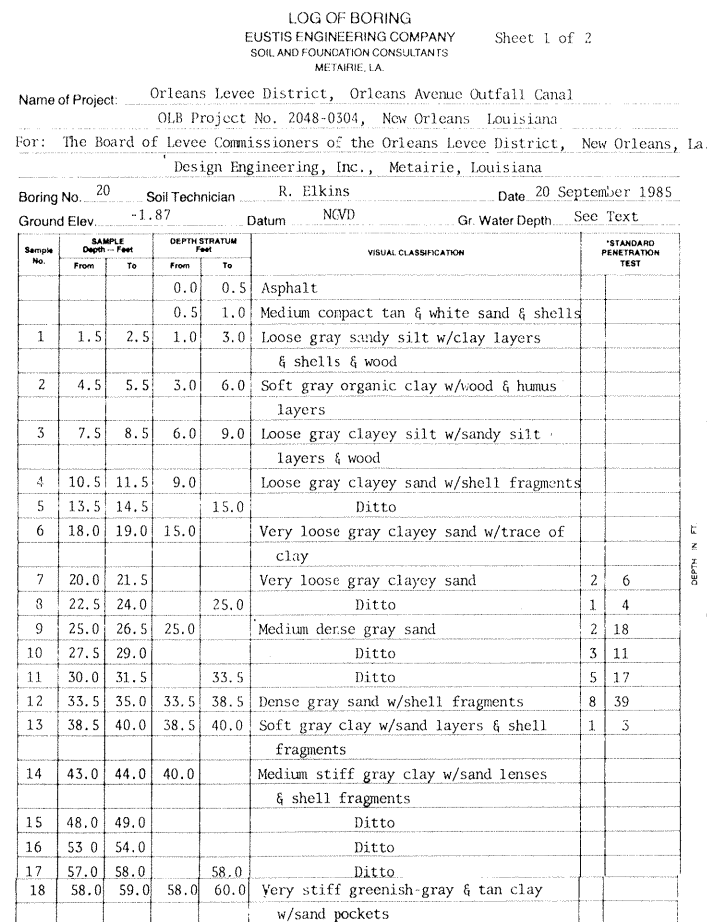
W.B. STA. 42+00, 3' RT.



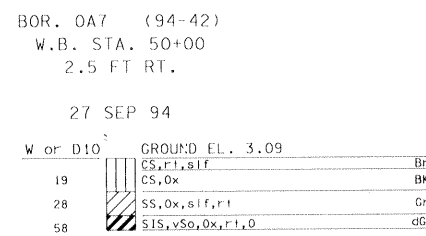
W.B. STA. 46+00, 2.5' RT.



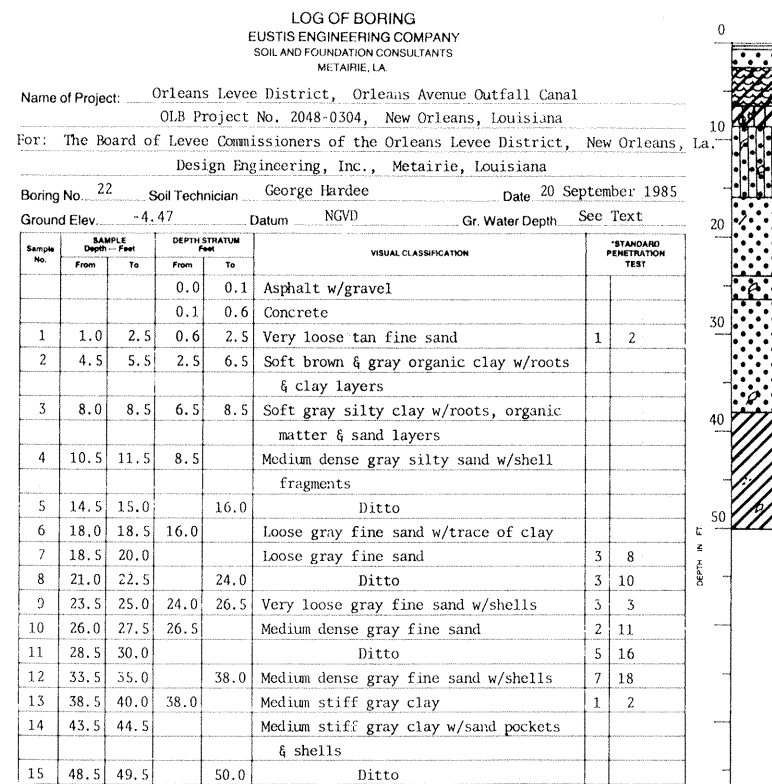
W.B. STA. 47+31, 25' LT.



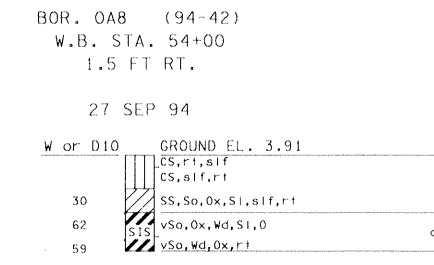
W.B. STA. 50+00, 2.5' RT.



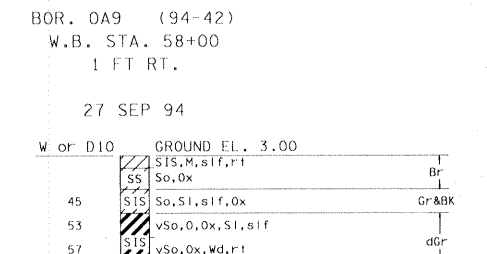
W.B. STA. 51+80, 25' LT.



W.B. STA. 54+00, 1.5' RT.



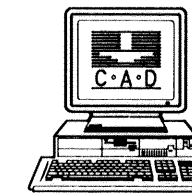
W.B. STA. 58+00, 1' RT.



NOTES:  
FOR LOCATION OF BORINGS, SEE DWGS. 7 AND 8.  
FOR SOIL BORING LEGEND, SEE DWG. 44.

REFER TO NOTES ON DRAWING

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>SOIL BORINGS</b>			
DESIGNED BY: VOJKOVICH	DATE: NOV. 1994	PLOT SCALE: 1	PLOT DATE: NOV. 1994
DRAWN BY: WOODS	CADD FILE: 40393A52.DGN	FILE NO. <b>H-4-40393</b>	
CHECKED BY: RICHARDSON	SOLICITATION NO. DACW29-95-B-0035	DWG. 42 OF 51	
SUBMITTED BY: J.ROMERO DESIGN ENGINEER			



Safety is a Part of Your Contract

W.B. STA. 58+44, 25' LT.

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

Name of Project: Orleans Levee District, Orleans Avenue Outfall Canal  
OLR Project No. 2048-0304, New Orleans, Louisiana  
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.  
Design Engineering, Inc., Metairie, Louisiana

Boring No. 24 Soil Technician George Hardee Date 21 September 1985  
Ground Elev. -4.27 Datum NGVD Gr. Water Depth

Sample No.	SAMPLE DEPTH - FEET		DEPTH STRATUM - FEET		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
			0.0	0.5	Concrete	
1	2.5	3.0	0.5	3.0	Medium stiff gray clay w/organic matter, roots, silt pockets & shells	
2	5.0	6.0	3.0	6.0	Very soft dark gray organic clay w/humus pockets & roots	
3	8.5	9.0	6.0	9.0	Loose brown humus w/roots & wood layers	
4	10.5	11.5	9.0		Very soft gray clay w/sand pockets	
5	13.5	14.5			Ditto	
6	18.0	19.0		19.0	Ditto	
7	20.0	21.5	19.0	22.0	Medium dense gray fine sand	3 12
8	22.5	24.0	22.0	24.5	Loose gray fine sand w/shells	2 7
9	25.0	26.5	24.5	27.0	Very loose gray fine sand w/shells & trace of clay	1 4
10	27.5	29.0	27.0	31.0	Medium dense gray fine sand	6 12
11	30.5	32.0	31.0	33.0	Dense gray fine sand	7 34
12	33.5	35.0	33.0	37.5	Medium dense gray fine sand	7 18
13	38.5	40.0	37.5		Medium stiff gray clay	1 2
14	43.5	44.5			Medium stiff gray clay w/sand pockets & shells	
15	48.5	49.5		50.0	Ditto	

W.B. STA. 62+00

BOR. 0A10 (94-42)  
W.B. STA. 62+00

27 SEP 94

W of D10

Sample No.	Depth - Feet	Soil Description	Color
35		S15, S10, silt, silty	dkr
50		M, Ok, wd, silty	Br
66		S15, S10, silt, silty	dkr
		vSo, silt, Ok, wd	dkr
		S15, vSo, silty, wd	dkr

W.B. STA. 62+73, 25' LT.

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

Name of Project: Orleans Levee District, Orleans Avenue Outfall Canal  
OLR Project No. 2048-0304, New Orleans, Louisiana  
For: The Board of Levee Commissioners of the Orleans Levee District, New Orleans, La.  
Design Engineering, Inc., Metairie, Louisiana

Boring No. 26 Soil Technician A. J. Mayeux Date 20 September 1985  
Ground Elev. -4.27 Datum NGVD Gr. Water Depth

Sample No.	SAMPLE DEPTH - FEET		DEPTH STRATUM - FEET		VISUAL CLASSIFICATION	STANDARD PENETRATION TEST
	From	To	From	To		
			0.0	0.5	Concrete	
			0.5	1.25	Sand & shell fill	
1	3.0	4.0	1.25	4.0	Wood, organic matter, clay, miscellaneous fill	
			5.0	6.0	Wood w/humus & organic matter	
2	7.0	8.0	7.0	10.0	Very soft brown humus w/organic clay & roots	
3	11.0	12.0	10.0	13.0	Very soft gray clay w/clayey silt pockets & shell fragments	
4	14.0	15.0	13.0	16.0	Soft gray clay w/silt pockets	
5	19.0	20.0	16.0	22.5	Very soft gray clay w/silt pockets	
6	24.0	25.0	22.5	25.0	Very loose gray clayey sand w/shell fragments & clay pockets	
7	25.0	26.5	25.0	27.0	Very loose gray sand w/shell fragments	1 4
8	27.5	29.0	27.0		Medium dense gray sand w/shell fragments	4 20
9	29.5	31.0			Ditto	4 19
10	33.0	34.5		35.5	Ditto	4 19
11	35.5	37.0	35.5	38.0	Loose gray sand w/shell fragments	2 8
12	38.5	40.0	38.0	42.0	Soft gray clay w/sand pockets & shell fragments	1 3
13	44.0	45.0	42.0		Medium stiff gray clay w/sand pockets & shell fragments	
14	49.0	50.0		50.0	Ditto	

SUMMARY OF LABORATORY TEST RESULTS

BORING 10

Sample No.	Depth In Feet	Classification	Water Content Percent	Density PCF		Unconfined Compressive Strength PSF
				Dry	Wet	
1	2.0	Medium stiff brown & gray clay w/silty sand pockets	26.4	91.3	115.4	1440*
2	5.0	Very soft to soft brown & tan fissured clay w/sand & humus pockets	66.5	58.8	97.9	460*
3	8.0	Very soft dark gray clay w/sand pockets & organic matter	40.7	77.0	108.3	460*
4	11.0	Very soft brown & gray clay w/organic matter	145.0	32.4	79.5	425
5	15.0	Very soft brown & gray clay w/organic matter & roots	120.1	38.2	84.1	450

\*Unconsolidated Undrained Triaxial Compression Test - One Specimen; Confined at the approximate overburden pressure.

SUMMARY OF LABORATORY TEST RESULTS

BORING 14

Sample No.	Depth In Feet	Classification	Water Content Percent	Density PCF		Unconfined Compressive Strength PSF
				Dry	Wet	
1	2.0	Soft brown & gray clay w/organic matter, roots & shell fragments	125.6	36.0	81.2	600
2	5.0	Very soft gray & brown clay w/organic matter & roots	123.4	37.4	83.5	---
3	8.0	Soft gray clay	73.1	56.0	97.0	520
4	11.0	Very soft gray clay w/sand pockets	33.8	85.8	114.7	270

SUMMARY OF LABORATORY TEST RESULTS

BORING 16

Sample No.	Depth In Feet	Classification	Water Content Percent	Density PCF		Unconfined Compressive Strength PSF
				Dry	Wet	
1	2.5	Medium stiff gray clay w/clayey sand layers, shells & organic matter (fill)	33.1	---	---	---
2	5.5	Soft brown humus w/organic clay, decayed wood & roots	276.4	18.1	68.3	730
3	8.5	Very soft brown organic clay w/humus layers & decayed roots	210.8	23.2	72.0	485
15	49.5	Medium stiff gray clay w/sand pockets & shell fragments	51.0	68.7	103.7	1350
17	59.5	Stiff greenish-gray & tan clay w/sand pockets	23.2	99.8	122.9	2965
26	88.0	Stiff gray clay w/silt lenses	48.2	72.8	107.9	2615
28	98.0	Ditto	39.5	80.9	112.8	2550

\*Unconsolidated Undrained Triaxial Compression Test - One Specimen; Confined at the approximate overburden pressure.

SUMMARY OF LABORATORY TEST RESULTS

BORING 18

Sample No.	Depth In Feet	Classification	Water Content Percent	Density PCF		Unconfined Compressive Strength PSF
				Dry	Wet	
3	8.0	Very soft brown organic clay w/humus layers & roots	229.1	21.9	72.0	280
13	43.5	Medium stiff gray clay w/sand pockets & shell fragments	55.3	65.8	102.2	1260*

\*Unconsolidated Undrained Triaxial Compression Test - One Specimen; Confined at the approximate overburden pressure.

SUMMARY OF LABORATORY TEST RESULTS

BORING 20

Sample No.	Depth In Feet	Classification	Water Content Percent	Density PCF		Unconfined Compressive Strength PSF
				Dry	Wet	
1	1.5	Soft dark gray clay w/sandy silt layers, humus pockets, decayed wood & shells (fill)	43.3	69.9	100.2	655*
3	7.5	Loose gray clayey silt w/decayed roots	39.0	78.2	108.6	680*
5	13.5	Loose gray clayey sand w/shell fragments	26.2	99.5	125.5	500*
14	43.0	Medium stiff gray clay w/sand pockets	54.7	65.5	101.3	1320
16	53.0	Medium stiff gray clay w/sand pockets & few shell fragments	59.1	64.3	102.2	1225
18	58.0	Very stiff greenish-gray & tan clay w/sand pockets	20.6	106.5	128.5	6380

SUMMARY OF LABORATORY TEST RESULTS

BORING 24

Sample No.	Depth In Feet	Classification	Water Content Percent	Density PCF		Unconfined Compressive Strength PSF
				Dry	Wet	
5	13.5	Very soft gray clay w/sand pockets	56.8	65.8	103.3	360
6	18.0	Ditto	73.1	56.3	97.4	405
14	43.5	Medium stiff gray clay w/sand pockets & shell fragments	65.0	59.8	98.7	1505

SUMMARY OF LABORATORY TEST RESULTS

BORING 22

Sample No.	Depth In Feet	Classification	Water Content Percent	Density PCF		Unconfined Compressive Strength PSF
				Dry	Wet	
2	4.5	Very soft brown & gray organic clay w/humus layers & roots	173.2	28.4	77.5	490
4	10.5	Medium dense gray silty sand w/shell fragments	26.3	99.7	125.9	1880*
14	43.5	Medium stiff gray clay w/sand pocket	54.4	66.9	103.4	1190

\*Unconsolidated Undrained Triaxial Compression Test - One Specimen; Confined at the approximate overburden pressure.

SUMMARY OF LABORATORY TEST RESULTS

BORING 26


Sample No.	Depth In Feet	Classification	Water Content Percent	Density PCF		Unconfined Compressive Strength PSF
				Dry	Wet	
2	7.0	Very soft brown humus w/organic clay & roots	244.3	20.6	71.1	355
3	11.0	Very soft gray clay w/clayey silt pockets & few shell fragments	46.4	72.7	106.4	490
4	14.0	Soft gray clay w/silt pockets	68.5	58.5	98.6	530
5	19.0	Very soft gray clay w/silt pockets	86.8	51.9	96.9	390
6	24.0	Very loose gray clayey sand w/clay pockets & shell fragments	38.1	80.7	111.5	255*
14	49.0	Medium stiff gray clay w/sand pockets & shell fragments	54.0	68.1	104.9	1250

\*Unconsolidated Undrained Triaxial Compression Test - One Specimen; Confined at the approximate overburden pressure.

NOTES:

FOR LOCATION OF BORINGS, SEE DWGS. 4 THRU 6.  
FOR SOIL BORING LEGEND, SEE DWG. 44.

REFER TO NOTES ON DRAWING

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 <b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>SOIL BORINGS</b>			
DESIGNED BY: VOJKOVICH	DATE: NOV. 1994	PLOT SCALE: 1	PLOT DATE: NOV. 1994
DRAWN BY: WOODS	CADD FILE: 40393A51.DGN	FILE NO. H-4-40393	
CHECKED BY: RICHARDSON	SOLICITATION NO. DACW29-95-B-0035	DWG. 43 OF 51	
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER		



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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 WITH FINES (Approachable Amount of Fines)	GP	GRAVEL, Poorly Graded, gravel-sand mixtures, little or no fines	
		CLEAN SAND (Little or No Fines)	GM	SILTY GRAVEL, gravel-sand-silt mixtures	
		SANDS WITH FINES (Approachable Amount of Fines)	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.	SANDS WITH FINES (Approachable Amount of Fines)	SP	SAND, Poorly-Graded, gravelly sands	
		CLEAN SAND (Little or No Fines)	SM	SILTY SAND, sand-silt mixtures	
		SANDS WITH FINES (Approachable Amount of Fines)	SC	CLAYEY SAND, sand-clay mixtures	
		FINE - GRAINED SOILS More than half the material is smaller than No. 200 sieve size.	SILTS AND CLAYS (Liquid Limit < 50)	ML	SILT & very fine sand, silty or clayey fine sand or clayey silt with slight plasticity
			SILTS AND CLAYS (Liquid Limit > 50)	CL	LEAN CLAY, Sandy Clay, Silty Clay, of low to medium plasticity
OL	ORGANIC SILTS, and organic silty clays of low plasticity				
SILTS AND CLAYS (Liquid Limit > 50)	MH		SILT, fine sandy or silty soil with high plasticity		
	CH	FAT CLAY, inorganic clay of high plasticity			
HIGHLY ORGANIC SOILS	OH	ORGANIC CLAYS of medium to high plasticity, organic silts			
	PT	PEAT, and other highly organic soil			
WOOD	Wd	WOOD			
SHELLS	SI	SHELLS			
NO SAMPLE					

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

### 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	sds
DARK BROWN	dBr				Shell fragments	sif
BROWNISH-GRAY	brGr				Organic matter	o
GRAYISH-BROWN	gyBr				Clay strata or lenses	CS
GREENISH-GRAY	gnGr				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

**NOTES:**

FIGURES TO LEFT OF BORING UNDER COLUMN " W OR D<sub>10</sub>"

Are natural water contents in percent dry weight

When underlined denotes D<sub>10</sub> size in mm\*

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

Are liquid and plastic limits, respectively

**SYMBOLS TO LEFT OF BORING**

∇ 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 to 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 blows per foot determined with a standard split spoon sampler (1 3/8" 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 remoulded to the estimated natural void ratio

\*The D<sub>10</sub> size of a soil is the grain diameter in millimeters of which 10% of the soil is finer, and 90% coarser than D<sub>10</sub>.

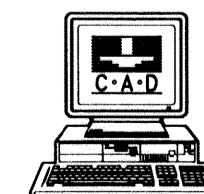
\*\*Results of these tests are available for inspection in the U.S. Army Engineer District Office, if these symbols appear beside the boring logs on the drawings.

**TYPICAL NOTES:**

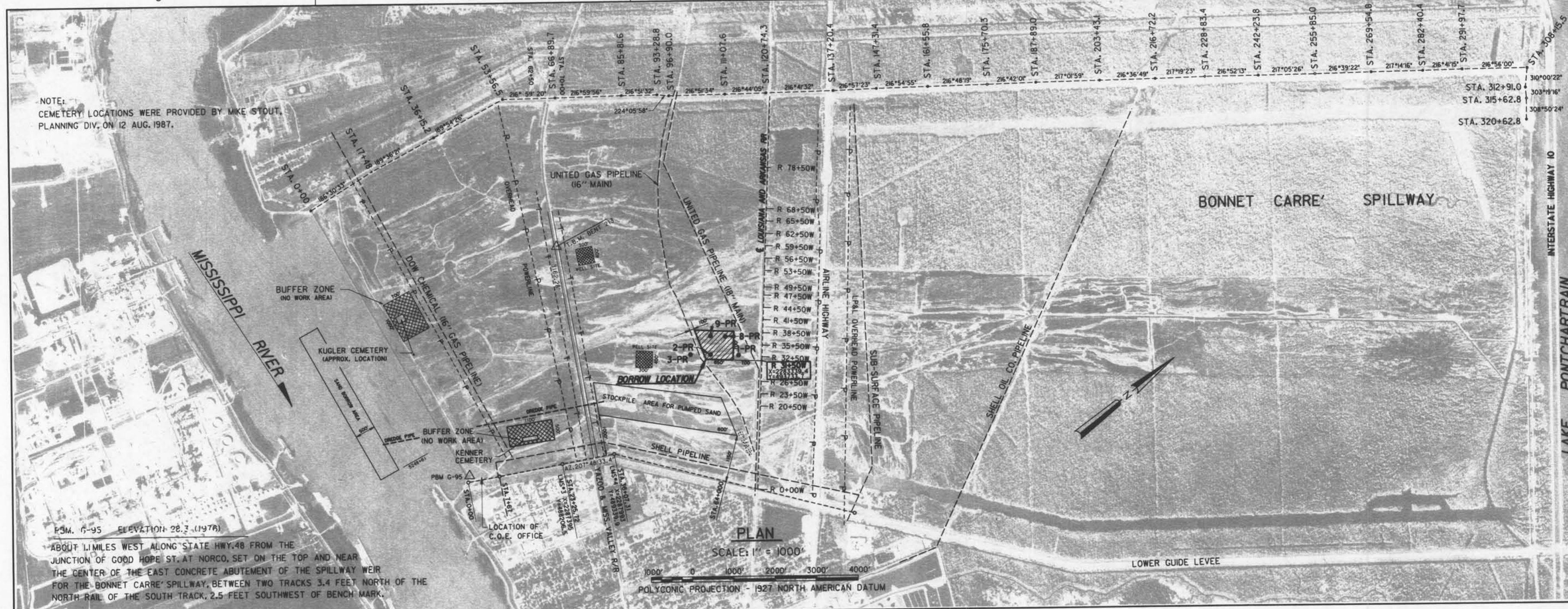
- While the borings are representative of subsurface conditions at their respective locations and for their respective vertical reaches, local variations characteristic of the subsurface materials of the region are anticipated and, if encountered, such variations will not be considered as differing materially 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 7/8" I.D. Tube Sampler and/or a 1 3/8" I.D. Split Spoon Sampler.

**REFERENCE DRAWINGS**

FOR GENERAL NOTES, SEE DWG. 2.  
 FOR PLAN AND PROFILE, SEE DWGS. 3 THRU 8.  
 FOR LOCATION OF SOIL BORINGS, SEE DWGS. 4 THRU 8.  
 FOR BORING LOGS, SEE DWGS. 41, 42, AND 43.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN			
<b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> PHASE II-C (WEST SIDE)-FLOODWALL			
STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>SOIL BORING LEGEND</b>			
DESIGNED BY: M.DESAI	DATE: NOV. 94	PLOT SCALE: 1	PLOT DATE: NOV. 94
DRAWN BY: B.DORCEY	CADD FILE: 40393d12.dgn	FILE NO. <b>H-4-40393</b>	
CHECKED BY: J.ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 44 OF 51	
SUBMITTED BY: J.ROMERO	DESIGN ENGINEER		

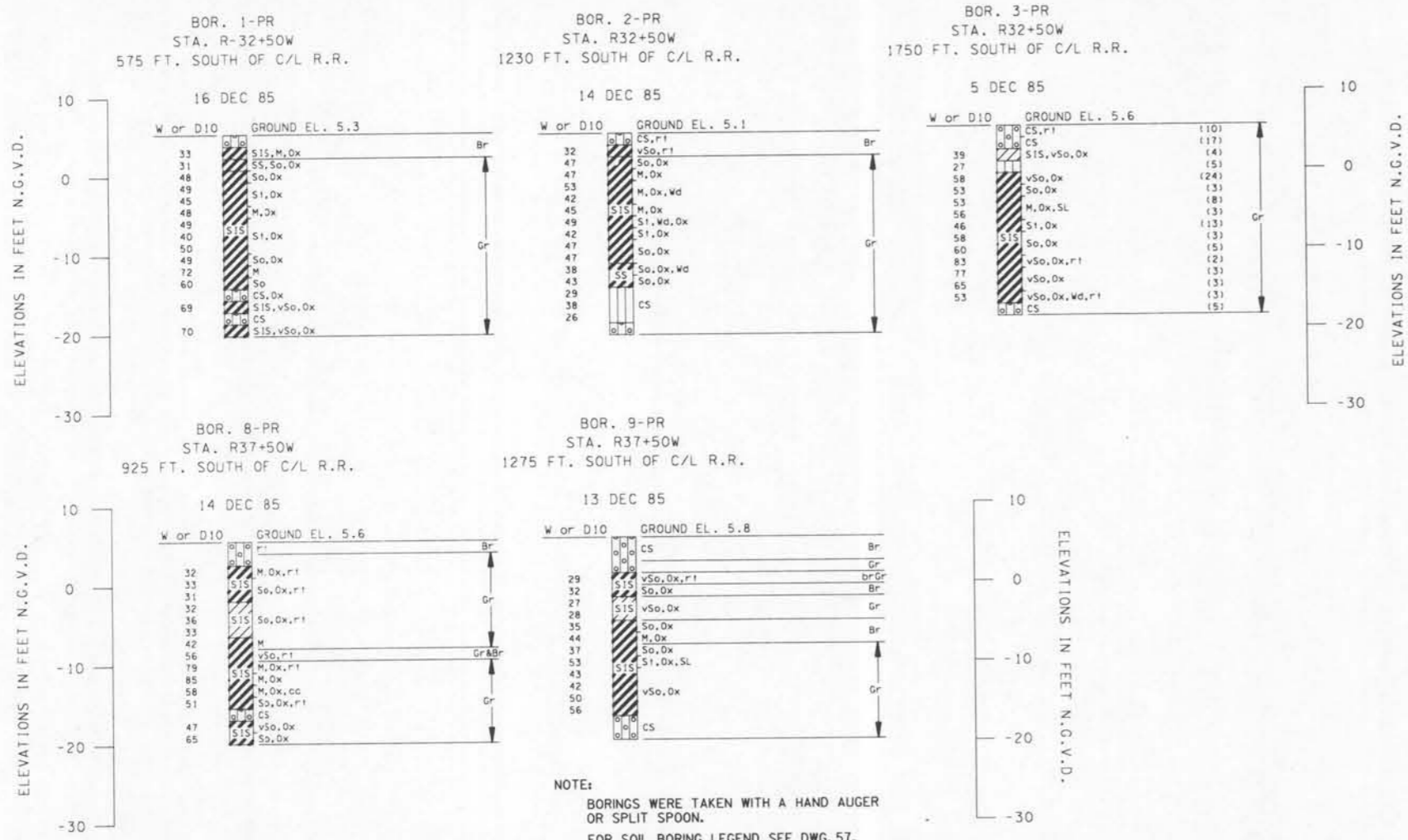


NOTE:  
CEMETERY LOCATIONS WERE PROVIDED BY MIKE STOUT,  
PLANNING DIV. ON 12 AUG. 1987.

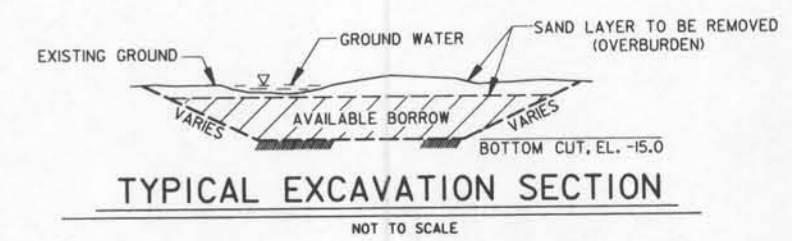
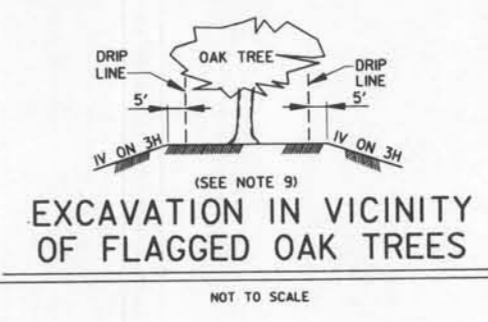
P.M. 6-95 ELEVATION 28.3 (1978)

ABOUT 1/2 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



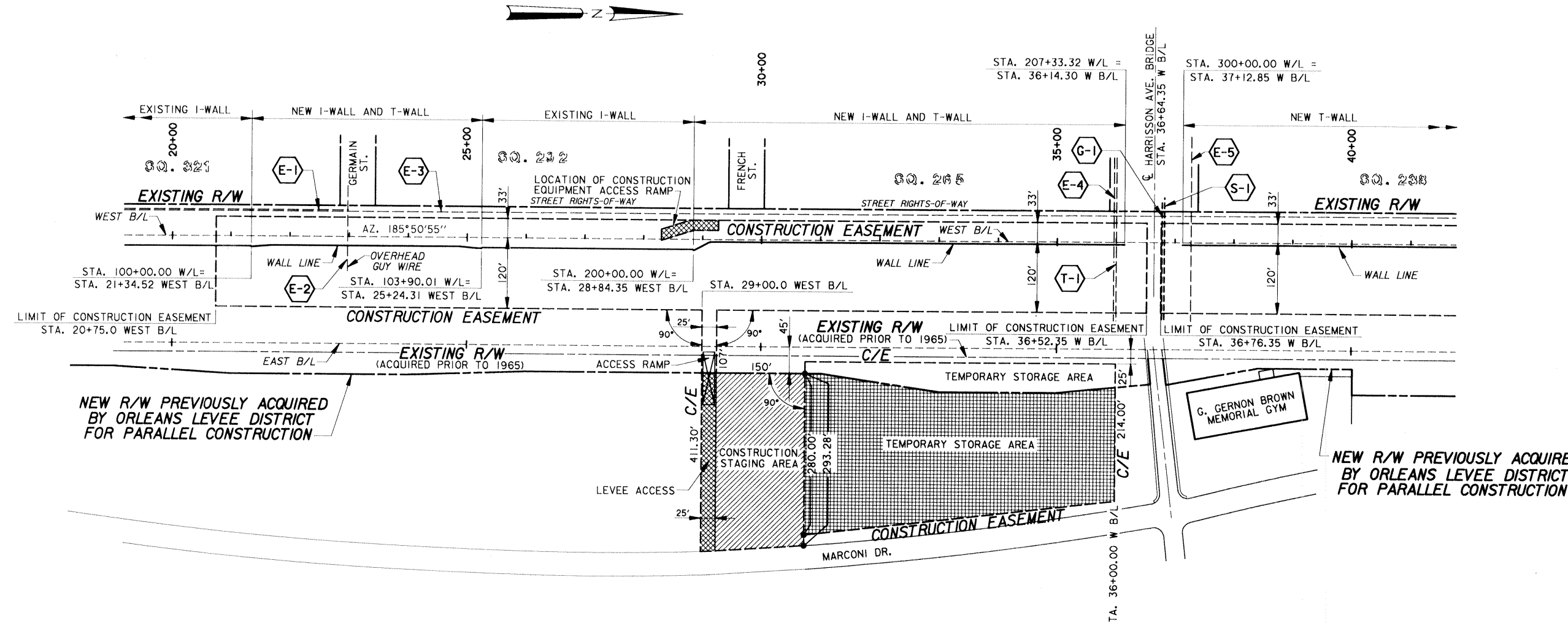
NOTE:  
BORINGS WERE TAKEN WITH A HAND AUGER  
OR SPLIT SPOON.  
FOR SOIL BORING LEGEND, SEE DWG. 57.



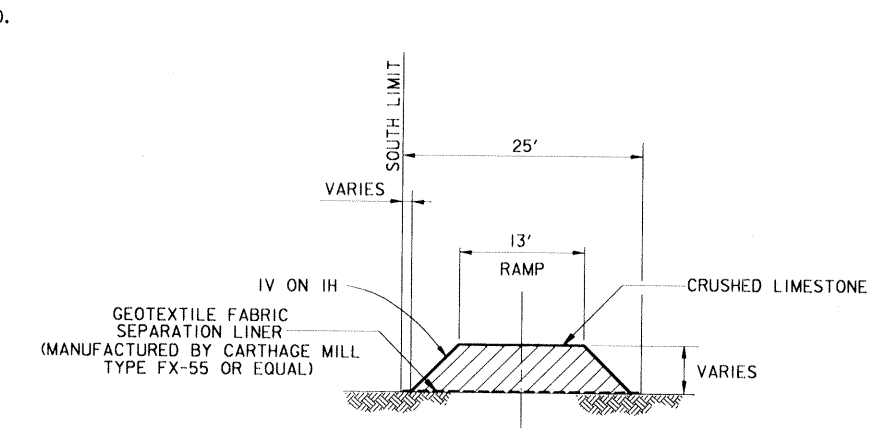
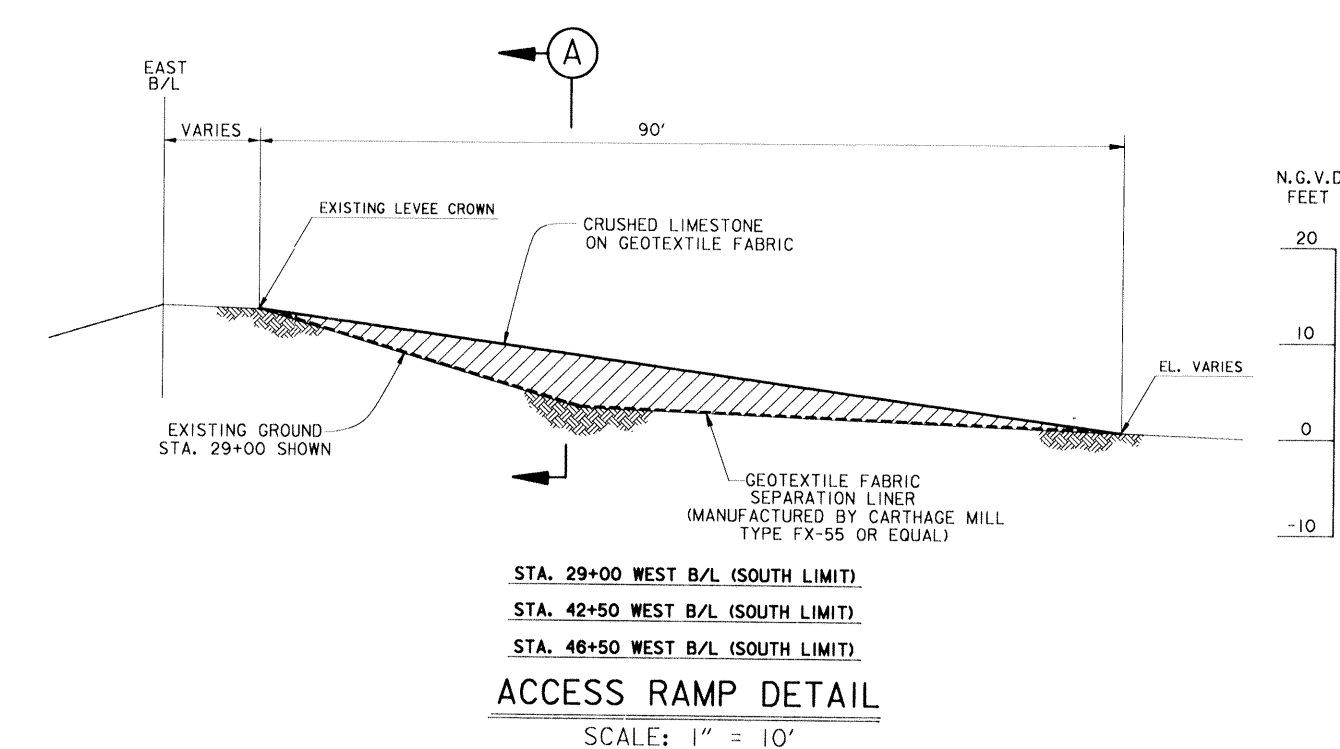
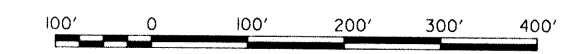
- NOTES:
- FOR GENERAL NOTES, SEE DWG. 2.
  - ACCESS TO THE BORROW PIT LOCATION FROM AIRLINE HIGHWAY SHALL BE BY EXISTING DIRT ROADS LOCATED THROUGHOUT THE SPILLWAY.
  - NO EXCAVATION WITHIN 100 FEET OF POWER POLES.
  - SAND OVERBURDEN SHALL BE STOCKPILED PARALLEL TO THE SPILLWAY GUIDE LEVEE.
  - THE 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 IV 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 BY THE CONTRACTING OFFICER TO REMAIN UNDISTURBED. EXCAVATION AROUND THESE MARKED TREES SHALL BE AS DETAILED ON 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.
  - 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.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>BORROW AREA</b>			
DESIGNED BY:	M. DESAI	DATE:	NOV. 1994
DRAWN BY:	B. DORCEY	PLOT SCALE:	1" = 1000'
CHECKED BY:	J. ROMERO	FILE NO.:	H-4-40393
SUBMITTED BY:	J. ROMERO	SOLICITATION NO.:	DACW29-95-B-0035
DESIGN ENGINEER		DWG. NO.:	44A OF 51

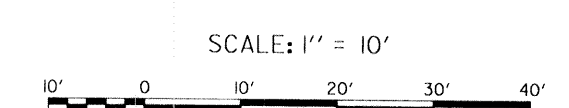
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PLAN  
SCALE: 1" = 100'



FOR PLAN AND PROFILE, SEE DWGS. 3 THRU 8.

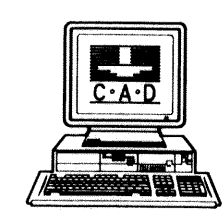


NOTES:

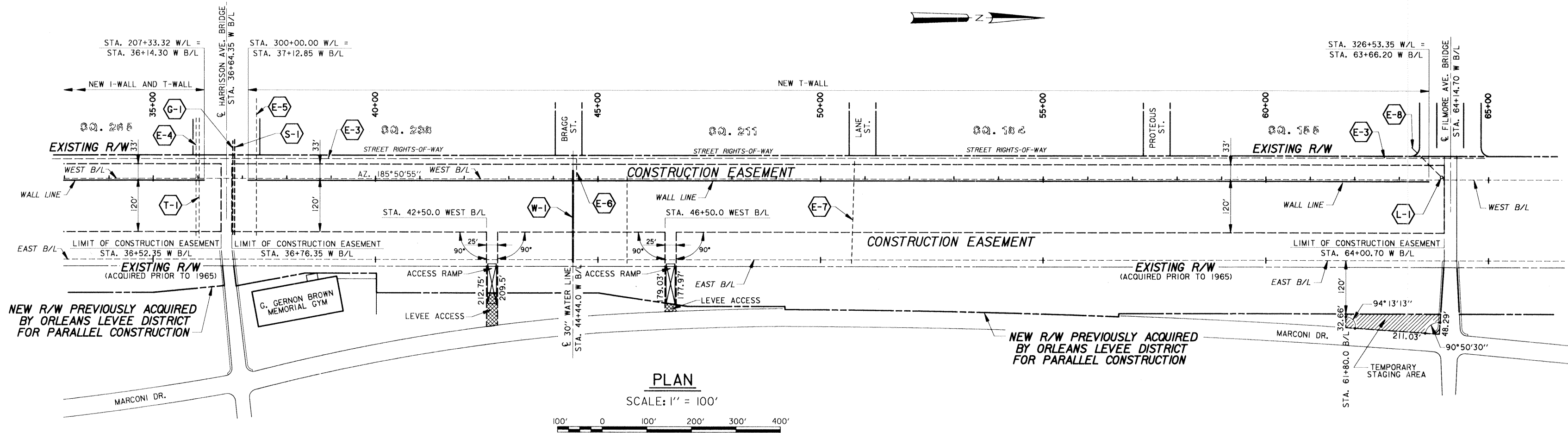
- EXISTING TREES IN THE WAY OF STAGING AREAS AND LEVEE ACCESS SHALL BE REMOVED BY CONTRACTOR. TREES ALONG MARCONI DRIVE IN THE WAY OF STAGING AREAS AND LEVEE ACCESS SHALL BE TRIMMED AS REQUIRED BY THE CONTRACTOR. THESE TREES MAY BE REMOVED ONLY IF APPROVED BY THE COR.
- AREAS USED FOR CONSTRUCTION STAGING SHALL BE RESTORED TO EXISTING PROFILES AND FERTILIZED AND SEEDED AFTER UTILIZATION IS COMPLETED.
- LEVEE AREAS USED FOR ACCESS RAMPS SHALL BE RESTORED TO ORIGINAL DESIGN SECTION AND FERTILIZED AND SEEDED AFTER RAMP MATERIAL IS REMOVED.
- THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN A TEMPORARY SAFETY FENCE AROUND THE CONSTRUCTION STAGING AREAS AND LEVEE ACCESS WHICH ARE USED.
- TREES ALONG ORLEANS AVE. IN THE WAY OF CONSTRUCTION ACTIVITIES SHALL BE TRIMMED ONLY TO THE EXTENT NECESSARY TO ACCOMMODATE PILE DRIVING OPERATIONS.

EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-1	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
E-2	AERIAL GUY WIRE	22+97.25	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
E-3	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
E-4	AERIAL GUY WIRE	35+96.25	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER
T-1	AERIAL TELEPHONE	35+96.25	SOUTH CENTRAL BELL	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER
G-1	2" GAS LINE	36+80.5	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
S-1	6" FORCED SEWER LINE	36+81.0	CITY OF NEW ORLEANS N.O.R.D.	NOT TO BE DISTURBED
E-5	AERIAL POWERLINE	37+27.5	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>RIGHTS OF WAY</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 1994	PLOT SCALE: 1200	PLOT DATE: NOV. 1994
DRAWN BY: B. DORCEY	CADD FILE: 40393A49.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 45 OF 51	
SUBMITTED BY: J. ROMERO DESIGN ENGINEER			



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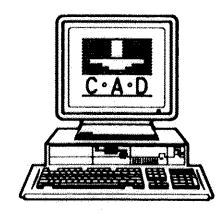
EXISTING UTILITIES				
ITEM NO.	DESCRIPTION	WEST B/L STA.	OWNER	DISPOSITION
E-3	AERIAL POWERLINE	ALONG ORLEANS AVE.	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
E-4	AERIAL GUY WIRE	35+96.25	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER
T-1	AERIAL TELEPHONE	35+96.25	SOUTH CENTRAL BELL	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER
G-1	2" GAS LINE	36+80.5	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
S-1	6" FORCED SEWER LINE	36+81.0	CITY OF NEW ORLEANS N.O.R.D.	NOT TO BE DISTURBED
E-5	AERIAL POWERLINE	37+27.5	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER
W-1	30" WATER LINE	44+44.0	NEW ORLEANS S. & W. B.	NOT TO BE DISTURBED
E-6	AERIAL GUY WIRE	44+52.0	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER
E-7	AERIAL POWERLINE	50+75.0	NEW ORLEANS PUBLIC SERVICE, INC.	TO BE RELOCATED CONCURRENT WITH CONTRACT BY OWNER
E-8	UNDERGROUND POWERLINE	---	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED
L-1	LIGHT STANDARD	63+94.75	NEW ORLEANS PUBLIC SERVICE, INC.	NOT TO BE DISTURBED

**NOTES:**

- EXISTING TREES IN THE WAY OF STAGING AREAS AND LEVEE ACCESS SHALL BE REMOVED BY CONTRACTOR. TREES ALONG MARCONI DRIVE IN THE WAY OF STAGING AREAS AND LEVEE ACCESS SHALL BE TRIMMED AS REQUIRED BY THE CONTRACTOR. THESE TREES MAY BE REMOVED ONLY IF APPROVED BY THE COR.
- AREAS USED FOR CONSTRUCTION STAGING SHALL BE RESTORED TO EXISTING PROFILES AND FERTILIZED AND SEEDING AFTER UTILIZATION IS COMPLETED.
- LEVEE AREAS USED FOR ACCESS RAMPS SHALL BE RESTORED TO ORIGINAL DESIGN SECTION AND FERTILIZED AND SEEDING AFTER RAMP MATERIAL IS REMOVED.
- THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN A TEMPORARY SAFETY FENCE AROUND THE CONSTRUCTION STAGING AREAS AND LEVEE ACCESS WHICH ARE USED.
- TREES ALONG ORLEANS AVE. IN THE WAY OF CONSTRUCTION ACTIVITIES SHALL BE TRIMMED ONLY TO THE EXTENT NECESSARY TO ACCOMMODATE PILE DRIVING OPERATIONS.

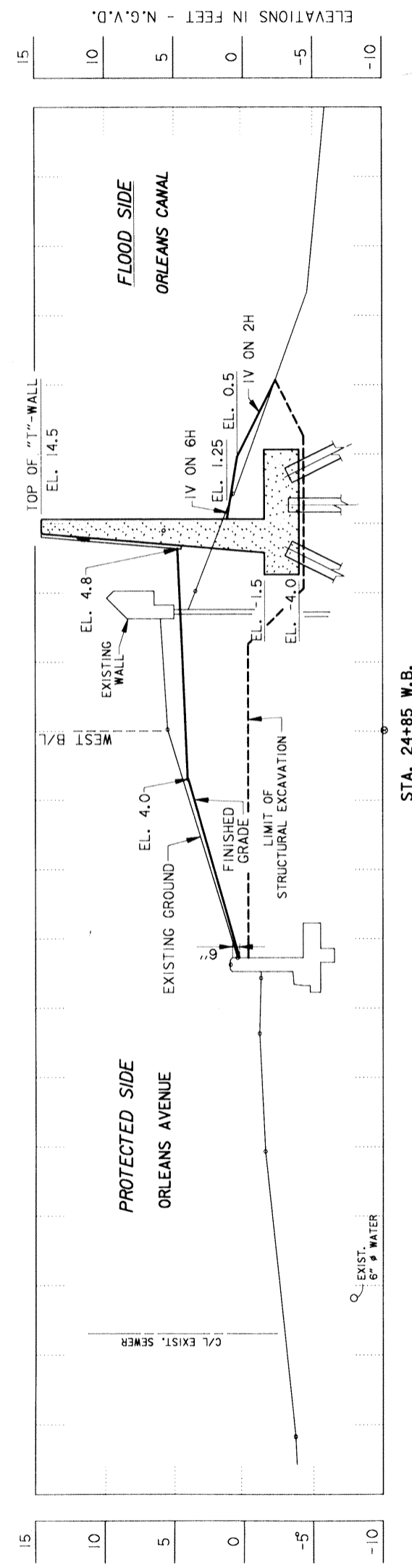
FOR PLAN AND PROFILE, SEE DWGS. 3 THRU 8.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>RIGHTS OF WAY</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 1994	PLOT SCALE: 1/200	PLOT DATE: NOV. 1994
DRAWN BY: B. DORCEY	CADD FILE: 40393A50.DGN	FILE NO. <b>H-4-40393</b>	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 46 OF 51	
SUBMITTED BY: J. ROMERO DESIGN ENGINEER			

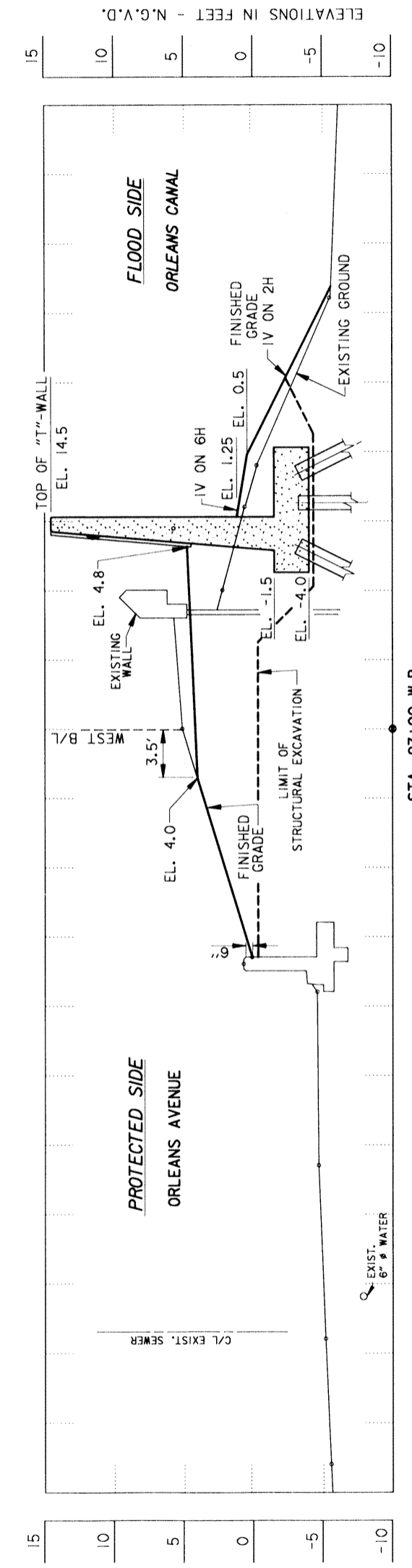




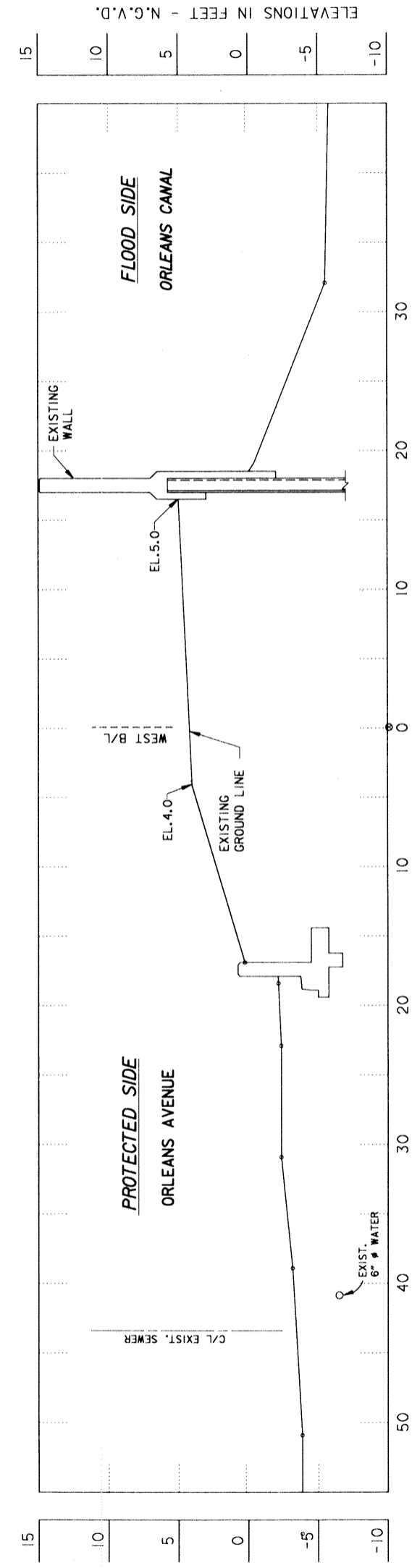
Safety is a Part of Your Contract



STA. 24+85 W.B.

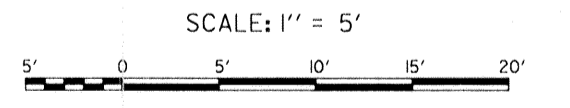



STA. 23+00 W.B.



STA. 21+00 W.B.

FOR PLAN AND PROFILE, SEE DWG. 3.

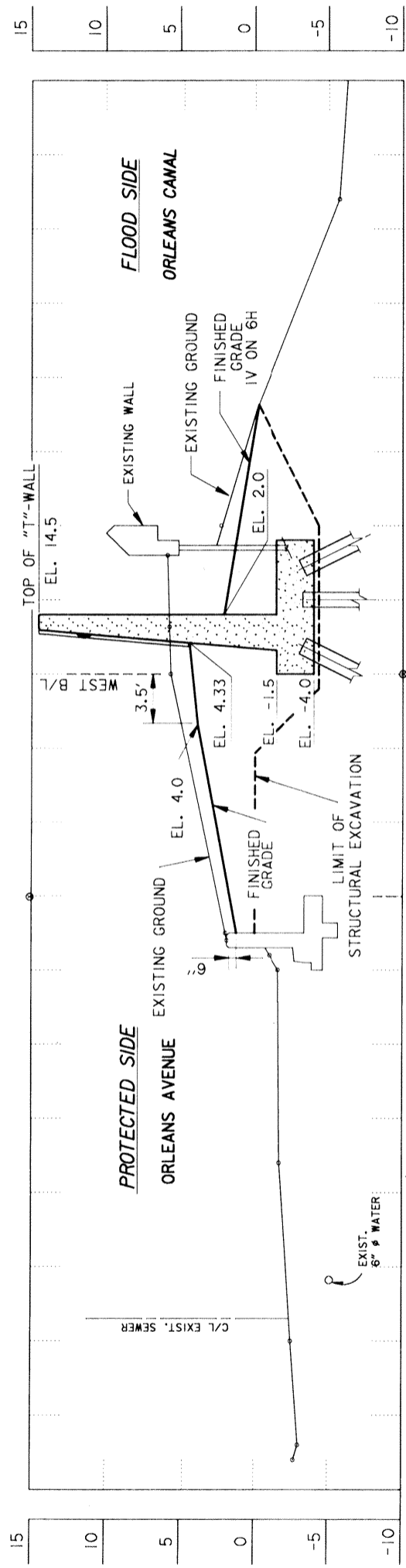


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 <b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> PHASE II-C (WEST SIDE)-FLOODWALL STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>CROSS SECTIONS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 60	PLOT DATE: NOV. 94
DRAWN BY: L.V.M.	CHECKED BY: J. ROMERO	CADD FILE: 40393P51.DGN	FILE NO. H-4-40393
SUBMITTED BY: J. ROMERO	DESIGN ENGINEER	SOLICITATION NO. DACW29-95-B-0035	DWG. 47 OF 51

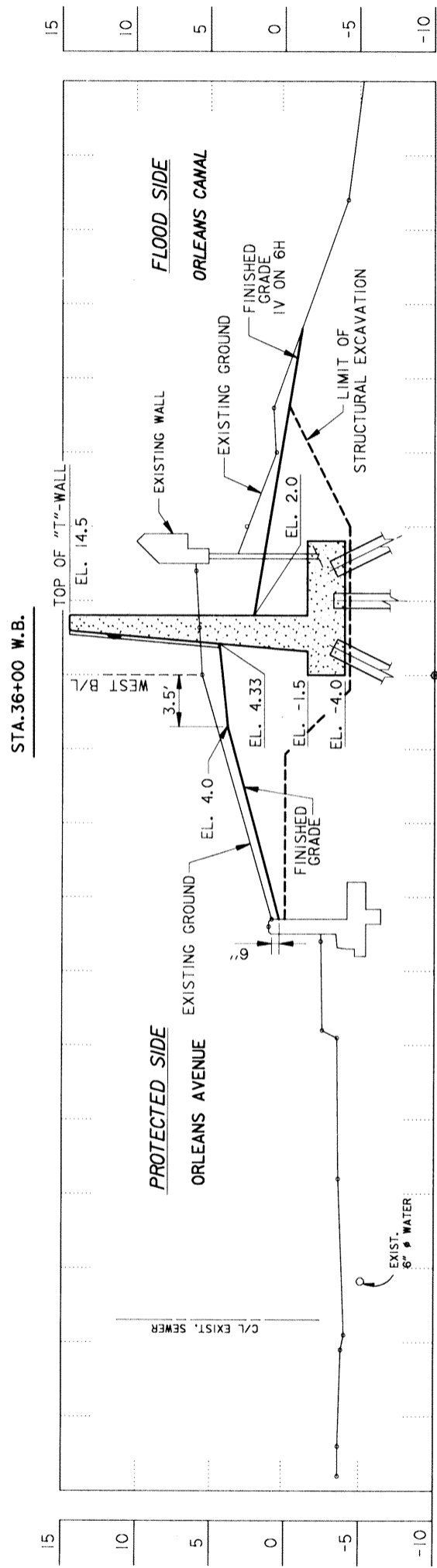


Safety is a Part of Your Contract

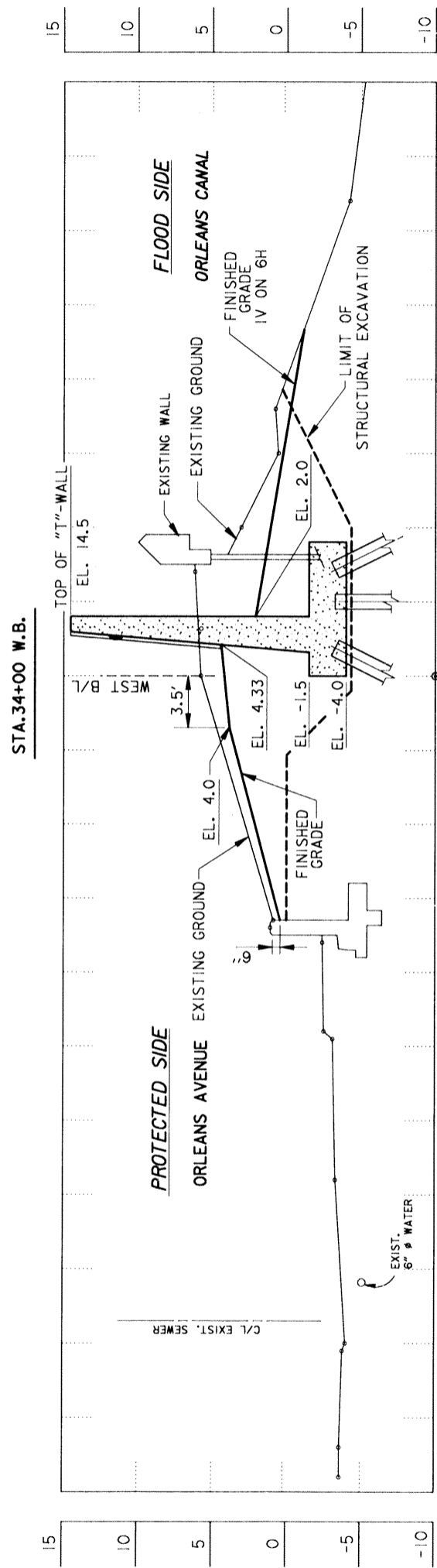
ELEVATIONS IN FEET - N.G.V.D.



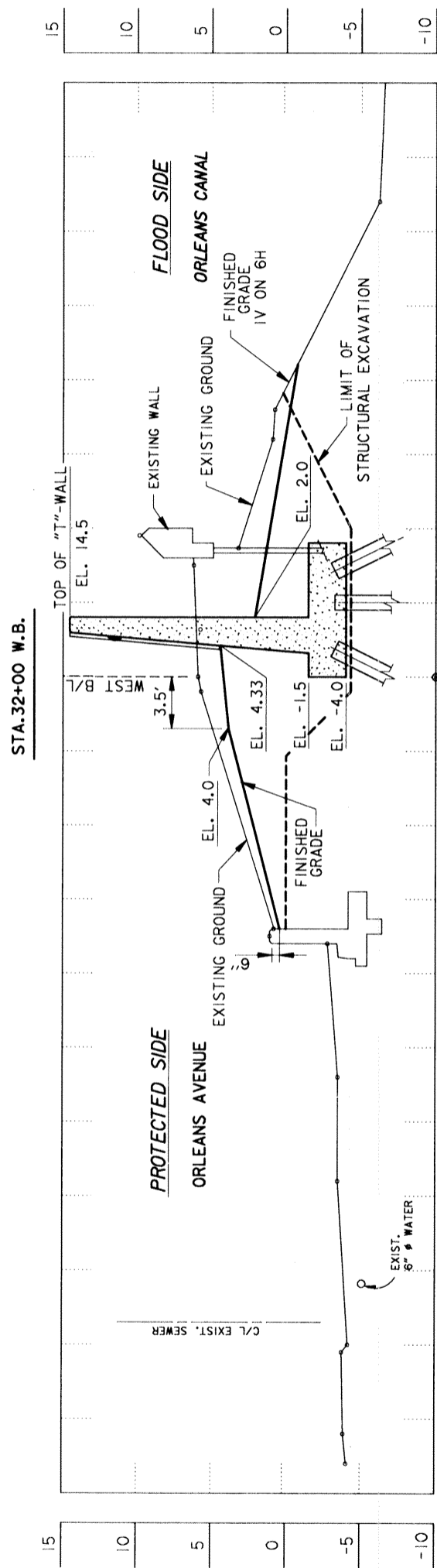
ELEVATIONS IN FEET - N.G.V.D.



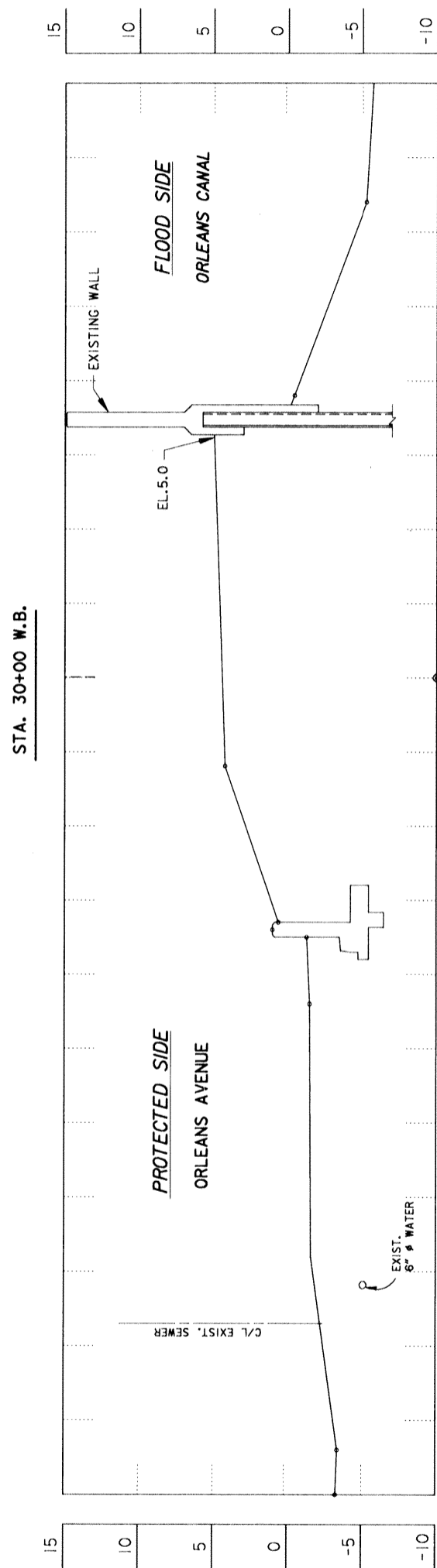
ELEVATIONS IN FEET - N.G.V.D.



ELEVATIONS IN FEET - N.G.V.D.



ELEVATIONS IN FEET - N.G.V.D.



FOR PLAN AND PROFILE, SEE DWG. 4.

SCALE: 1" = 5'



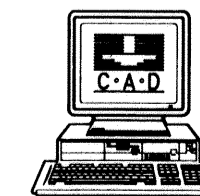
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

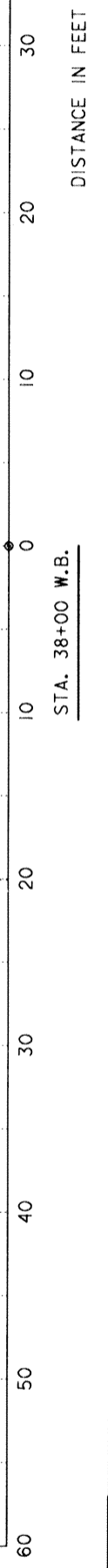
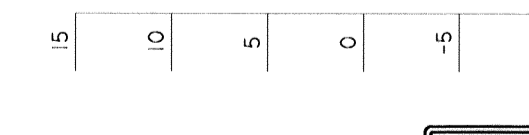
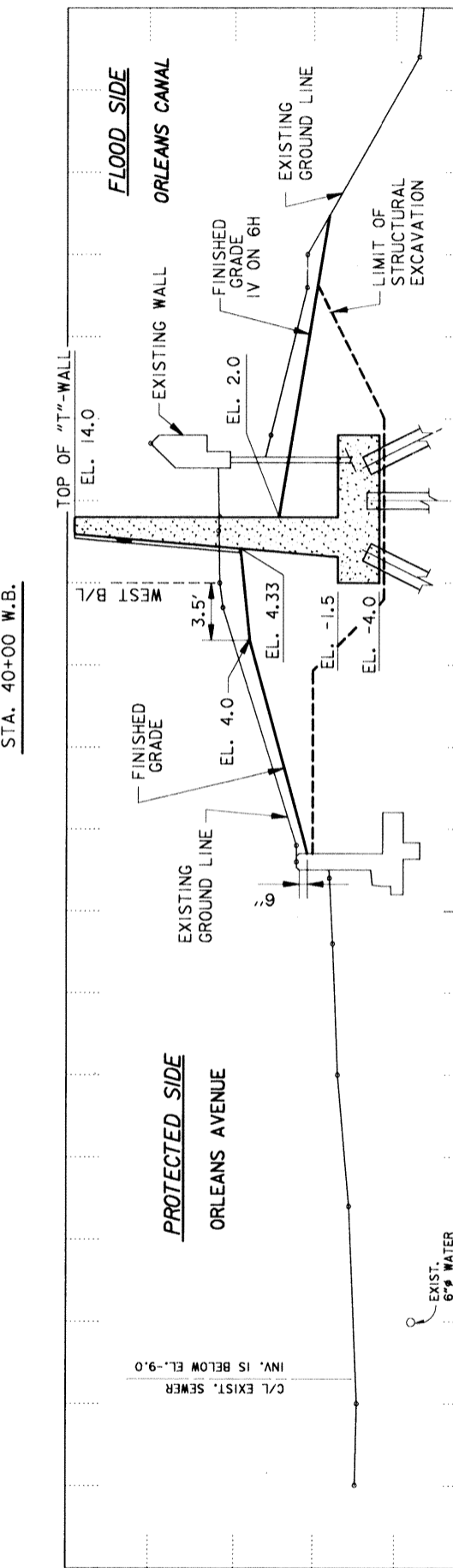
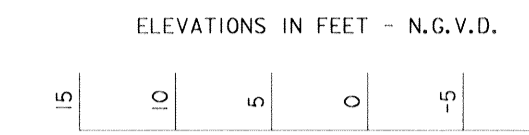
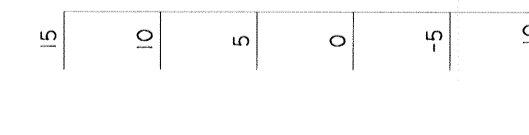
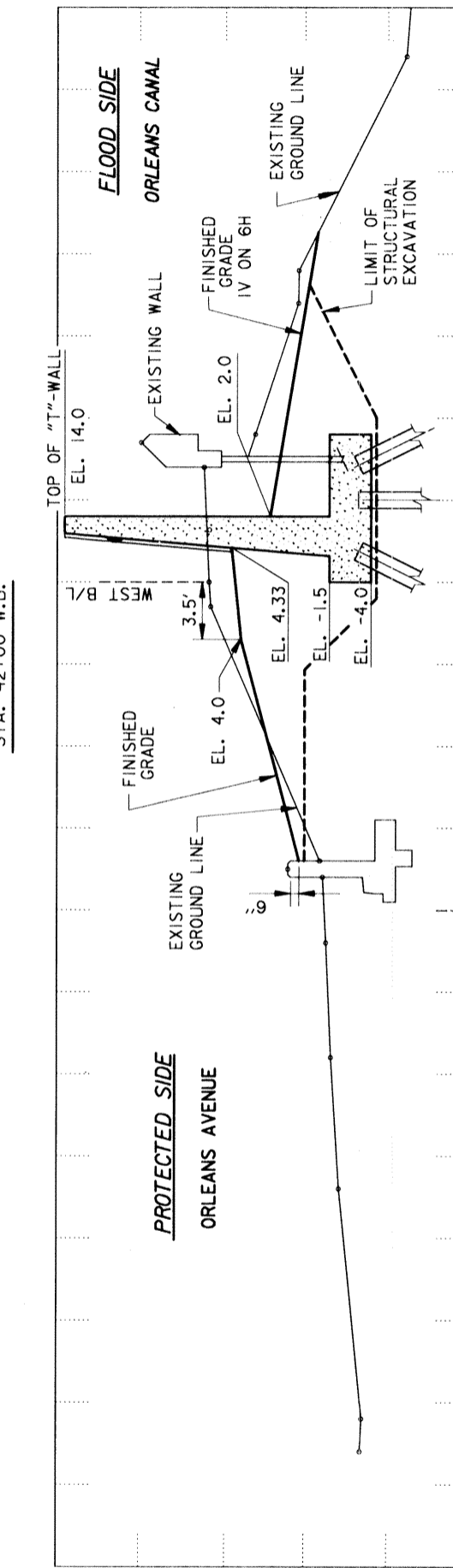
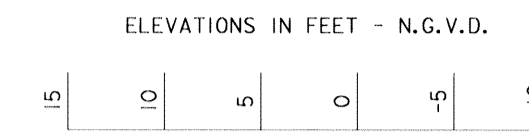
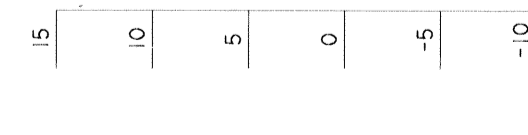
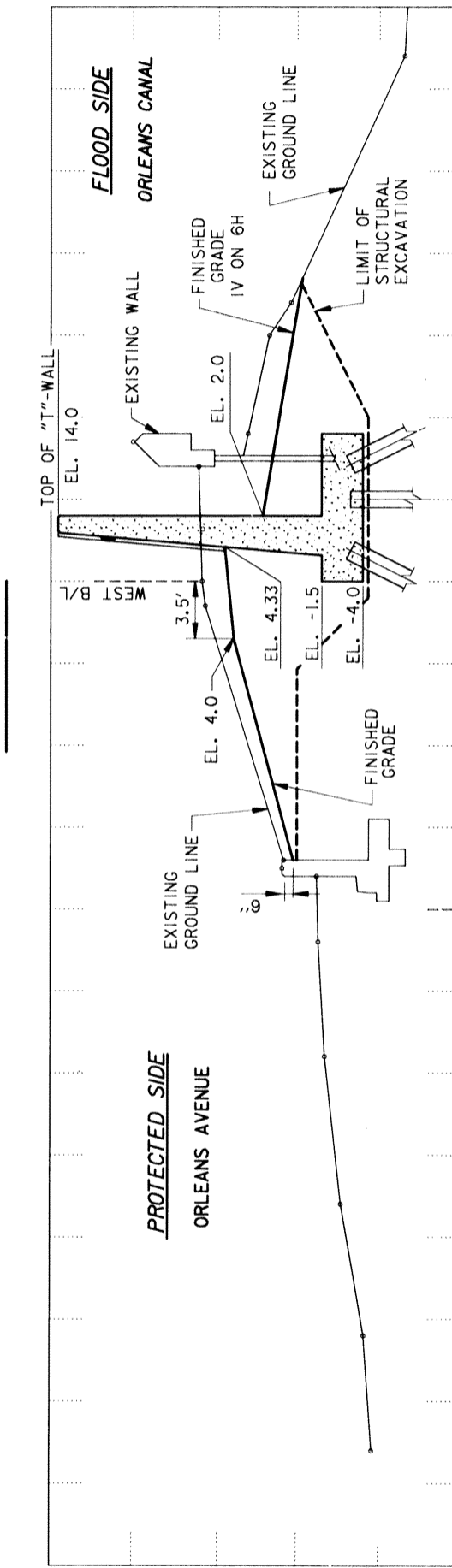
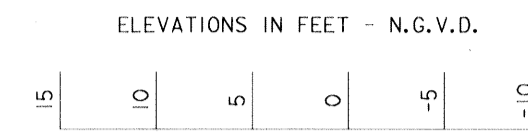
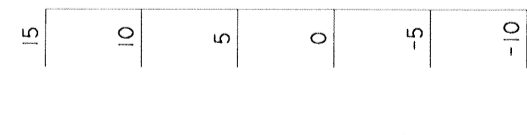
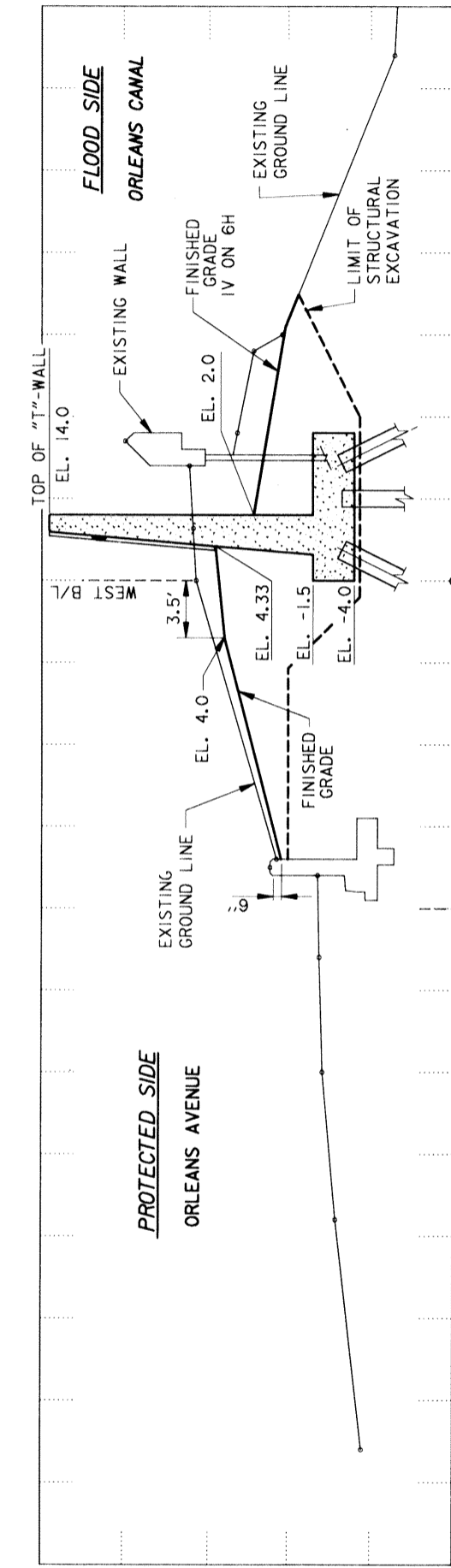
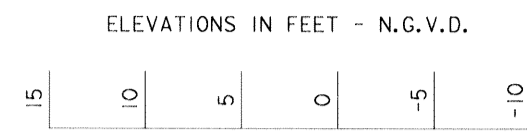
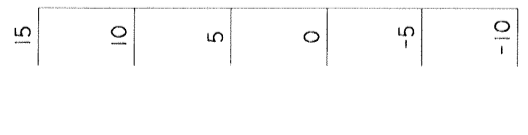
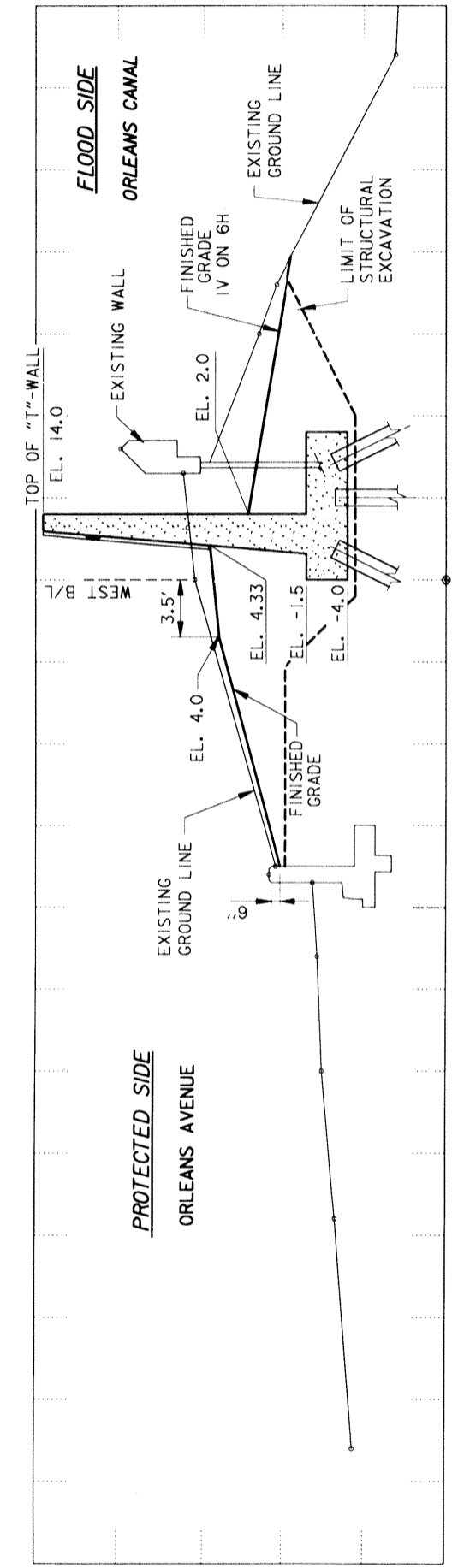
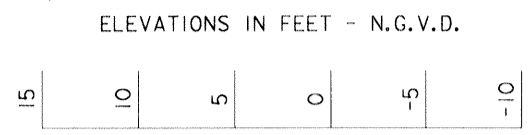
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY  
HIGH LEVEL PLAN  
**ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION**  
PHASE II-C (WEST SIDE)-FLOODWALL  
STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L  
ORLEANS PARISH, LOUISIANA

**CROSS SECTIONS**

DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 60	PLOT DATE: NOV. 94
DRAWN BY: L.V.M.	CADD FILE: 40393P52.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 48 OF 51	
SUBMITTED BY: J. ROMERO DESIGN ENGINEER			

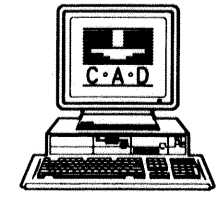


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FOR PLAN AND PROFILE, SEE DWGS. 5 AND 6.

SCALE: 1" = 5'



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY  
 HIGH LEVEL PLAN

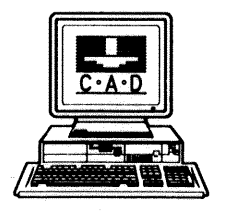
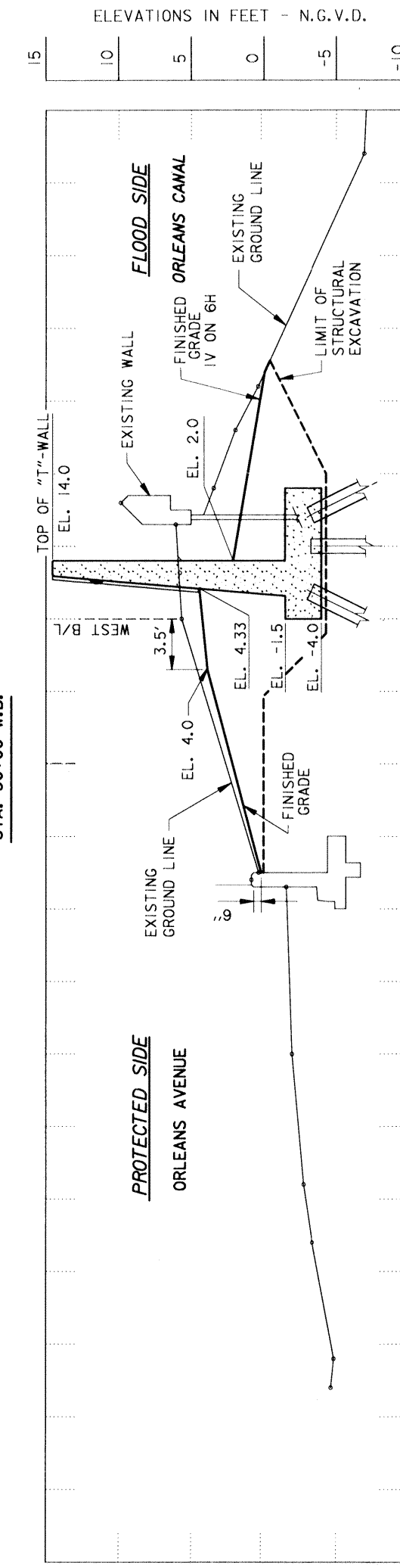
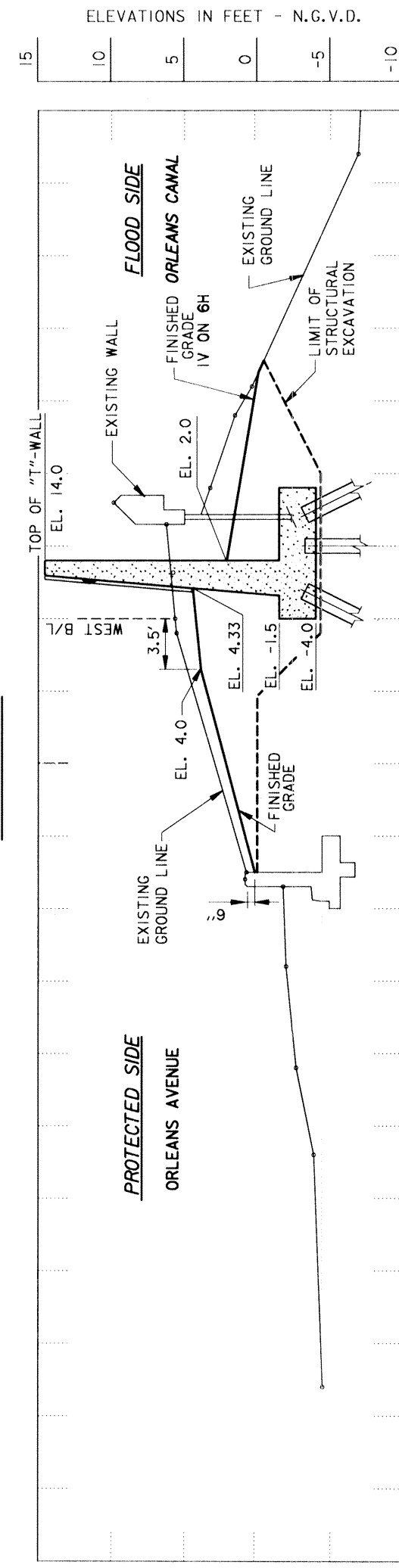
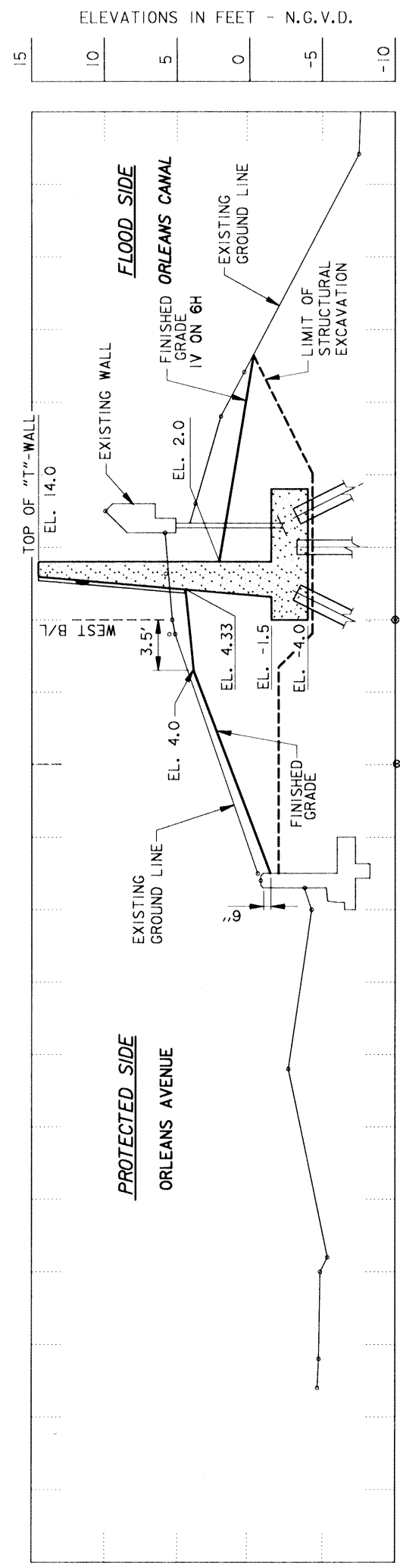
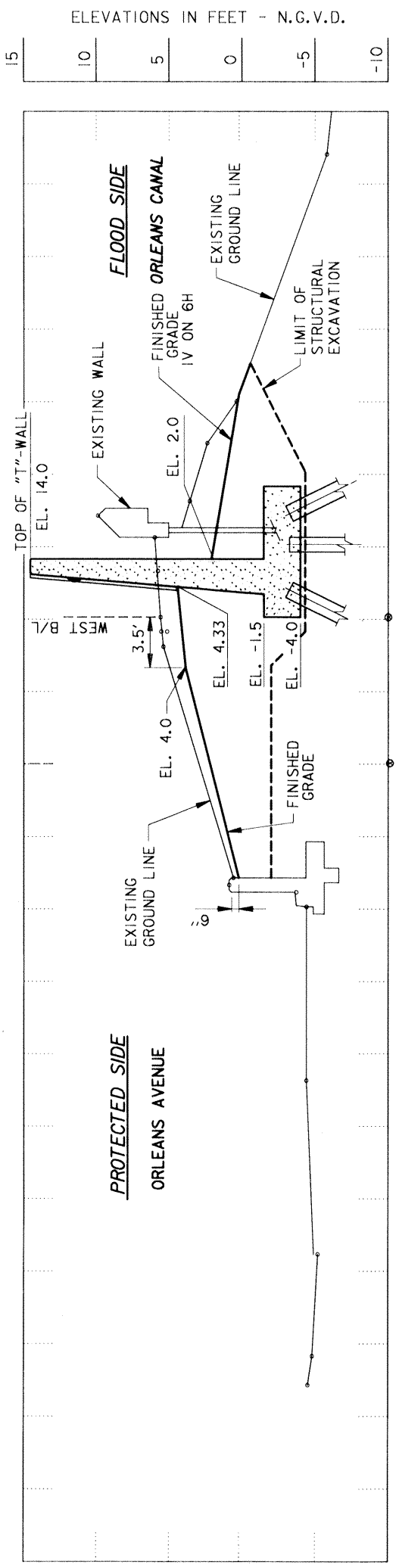
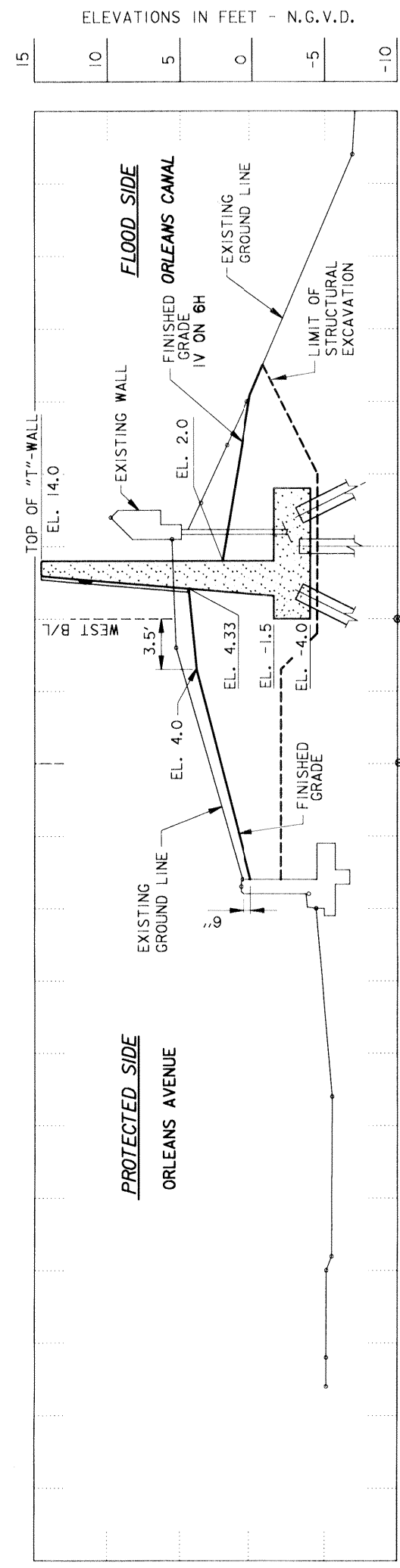
**ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION  
 PHASE II-C (WEST SIDE)-FLOODWALL**

STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L  
 ORLEANS PARISH, LOUISIANA

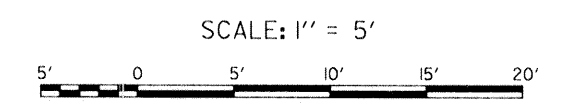
**CROSS SECTIONS**

DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 60	PLOT DATE: NOV. 94
DRAWN BY: L.V.M.	CHECKED BY: J. ROMERO	CADD FILE: 40393P53.DGN	FILE NO. H-4-40393
SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DESIGN ENGINEER	DWG. 49 OF 51

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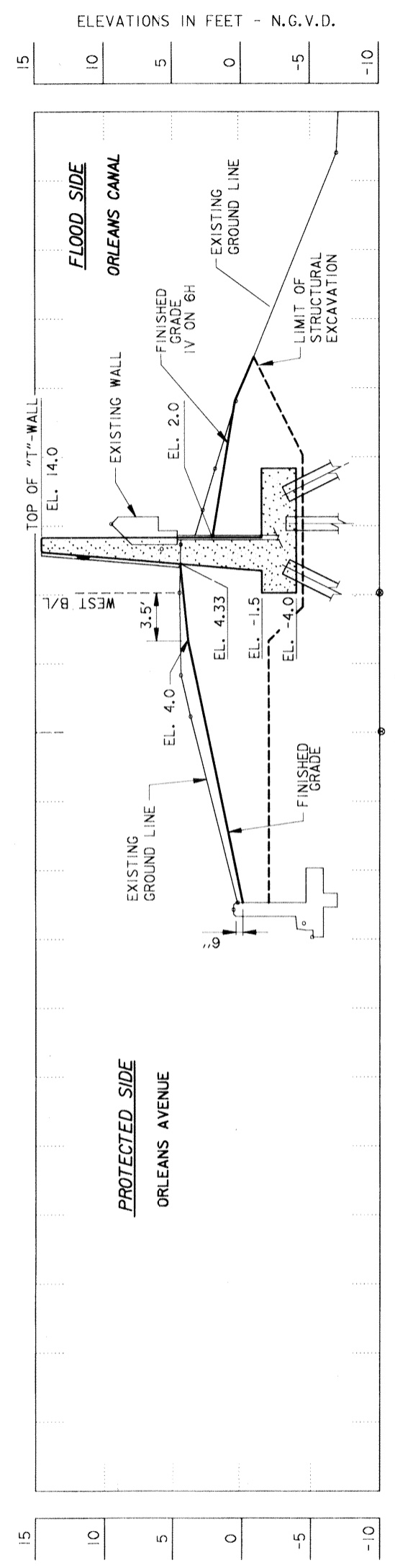


FOR PLAN AND PROFILE, SEE DWGS. 6 AND 7.

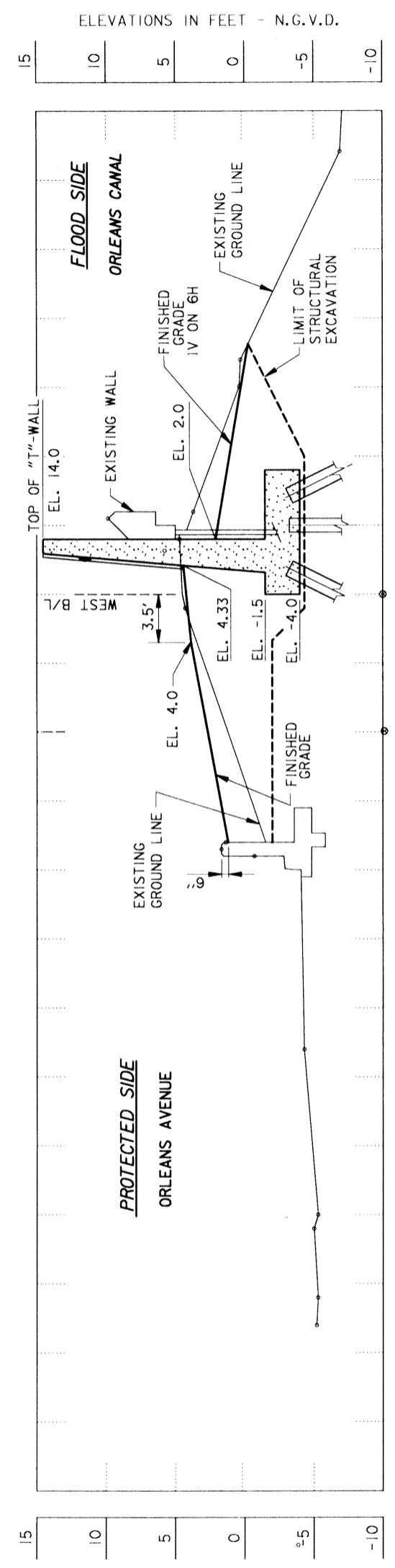


SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
<b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA LAKE PONCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA <b>CROSS SECTIONS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 60	PLOT DATE: NOV. 94
DRAWN BY: L.V.M.	CADD FILE: 40393P54.DGN	FILE NO. H-4-40393	
CHECKED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DWG. 50	OF 51
SUBMITTED BY: J. ROMERO DESIGN ENGINEER			

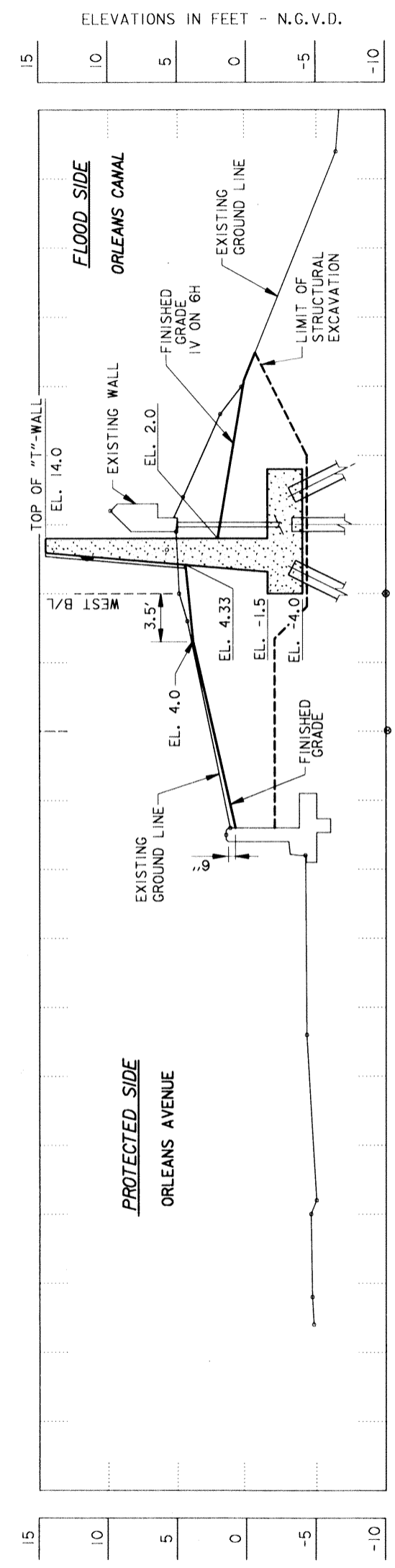
Safety is a Part of Your Contract



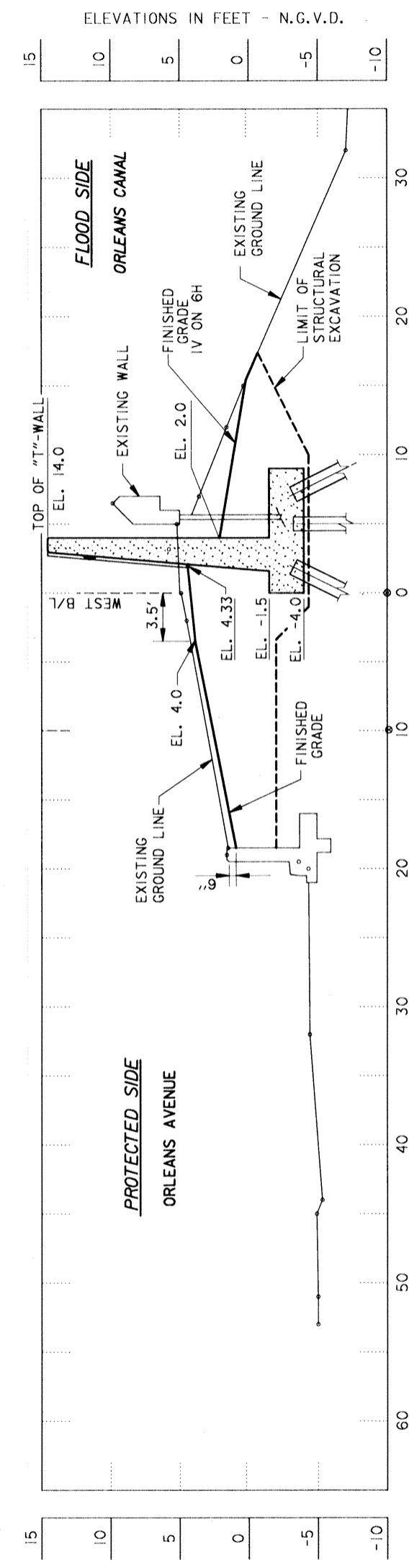
STA. 63+60 W.B.



STA. 62+00 W.B.

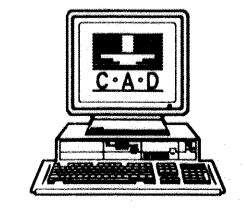
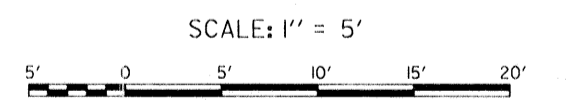



STA. 60+00 W.B.



STA. 58+00 W.B.

FOR PLAN AND PROFILE SEE DWG. 7 AND 8.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
 <b>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS</b> CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY HIGH LEVEL PLAN <b>ORLEANS AVE. OUTFALL CANAL PARALLEL PROTECTION</b> <b>PHASE II-C (WEST SIDE)-FLOODWALL</b> STA. 21+34.52 W. B/L TO STA. 63+66.22 W. B/L ORLEANS PARISH, LOUISIANA			
<b>CROSS SECTIONS</b>			
DESIGNED BY: M. DESAI	DATE: NOV. 94	PLOT SCALE: 60	PLOT DATE: NOV. 94
DRAWN BY: L.V.M.	CHECKED BY: J. ROMERO	CADD FILE: 40393P55.DGN	FILE NO. H-4-40393
SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-95-B-0035	DESIGN ENGINEER	DWG. 51 OF 51