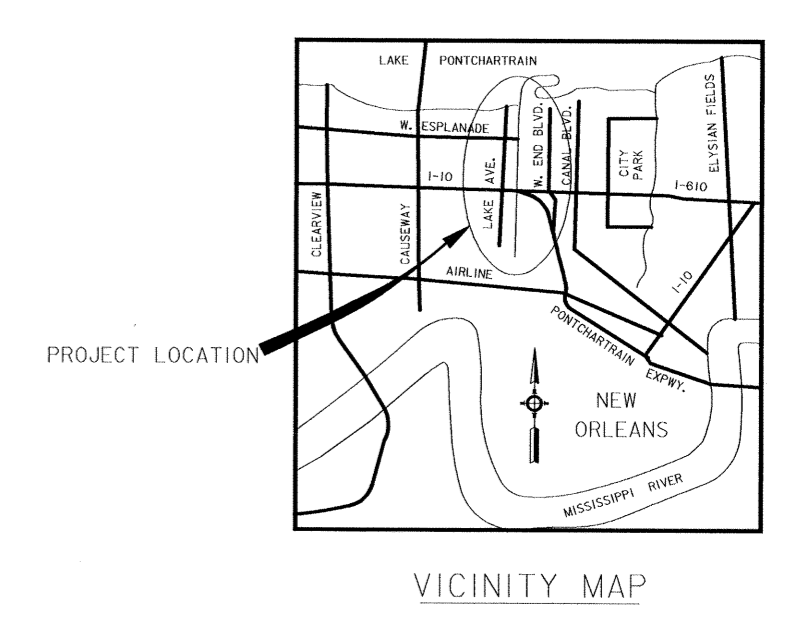
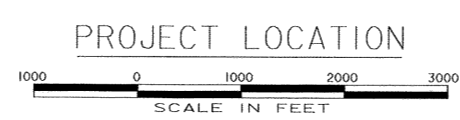
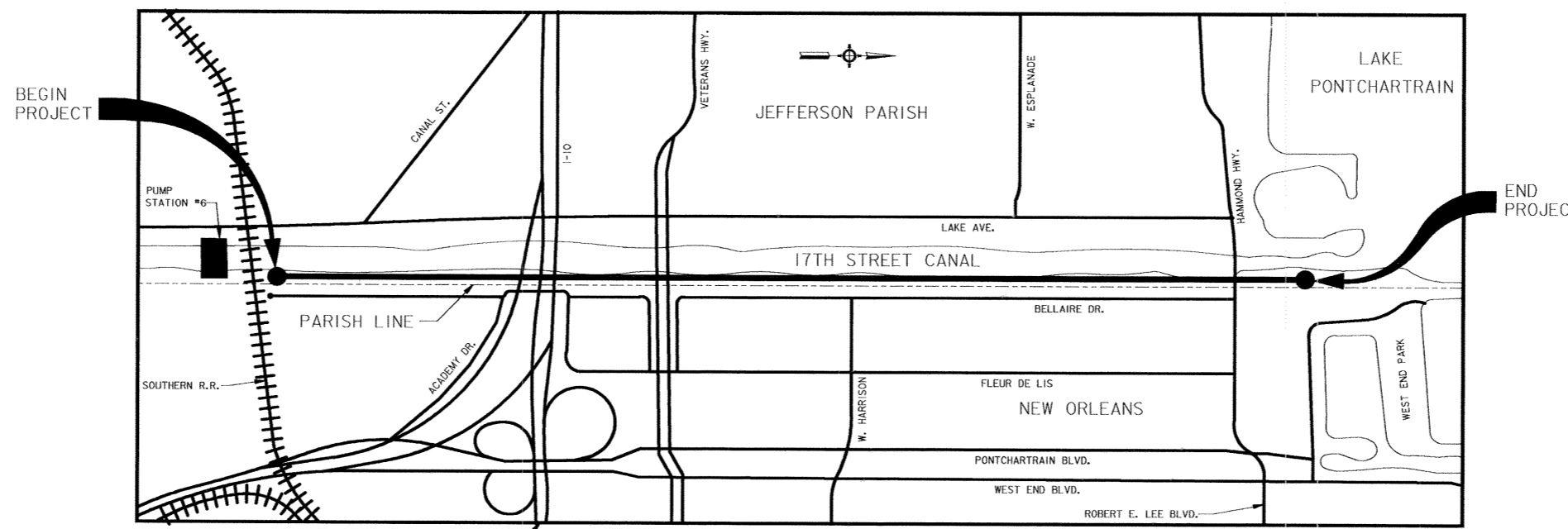


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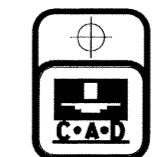
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA

EXCAVATION AND FLOOD PROTECTION - 17TH STREET CANAL CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS

INDEX	
DWG. NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN- 1 AND GENERAL NOTES
3-5	PLAN- 2-4
6-7	LEVEE TYPICAL SECTIONS- 1-2
8	CAP TYPICAL SECTIONS
9	PANEL LAYOUT AND PROFILE
10	JOINT DETAILS AT W/L STA. 126+02.5 AND SPRINT LINE CROSSING DETAILS
11	TYPICAL JOINT DETAILS
12-14	MISC. JOINT DETAILS
15-16	ACCESS SITES AND TRAFFIC CONTROL- 1-2



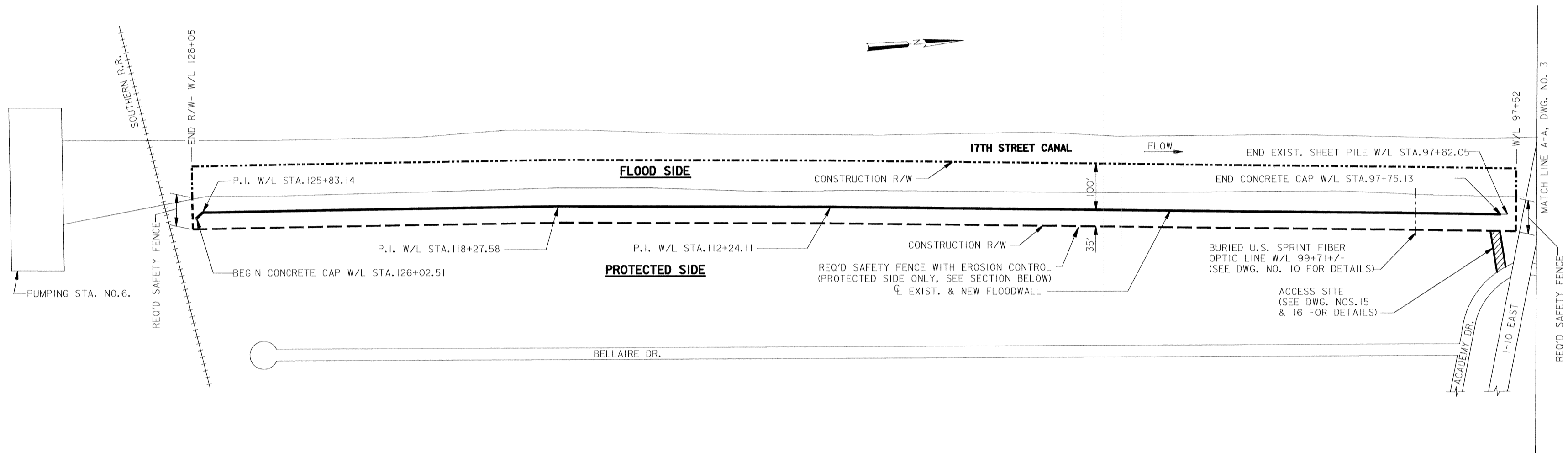
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS TITLE SHEET			
DESIGNED BY: F.S. DRAWN BY: M.H. CHECKED BY: DATE: NOV. 1992	APPROVED BY: CHIEF, DESIGN BRANCH	CADD FILE: 40208X01.DGN PLOT DATE: APR 1993 PLOT SCALE: 1"=1'	SOLICITATION NO. DAW29-93-B-0025 FILE NO. H-4-40208
SUBMITTED BY: W. B. CORWAY MODJESKI & MASTERS Inc.	APPROVED BY: CHIEF, ENGINEERING DIVISION	APPROVED BY: COLONEL, C. E. DISTRICT ENGINEER	DWG. 1 OF 16



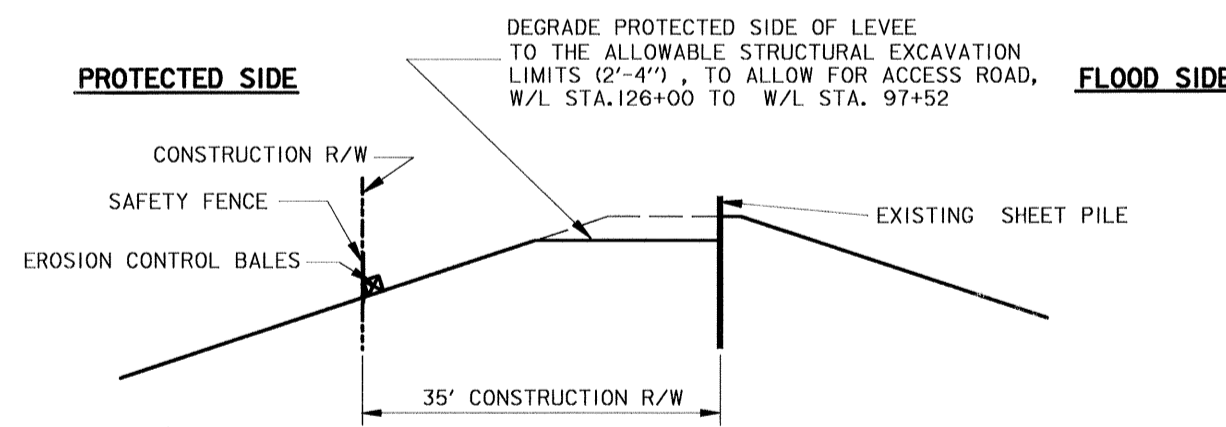
Safety is a Part of Your Contract

- GENERAL NOTES:**
- ALL REFERENCES TO WALL LINE (W/L) REFER TO THE CENTERLINE OF THE EXISTING SHEET PILE WALL ON THE ORLEANS LEVEE OF THE 17TH STREET CANAL. STATIONING ALONG THE WALL IS BASED ON THE THEORETICAL WIDTH OF THE SHEETS (BZ12.1L AND HOESCH 12 ARE 22.64'; PMA-22 IS 19.625')
 - ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.). ELEVATION AT U.S.C.E. MONUMENT 14 IS 8.77 N.G.V.D..
 - NORMAL WATER SURFACE ELEVATION RANGE IS FROM EL.1.5 TO EL.2.0 (N.G.V.D.).
 - REFERENCES TO THE PROTECTED SIDE OF THE LEVEE REFER TO THE LAND SIDE OF THE LEVEE. REFERENCES TO THE FLOOD SIDE OF THE LEVEE REFER TO THE CANAL OR LAKE SIDE OF THE LEVEE.
 - THE CONTRACTOR SHALL REMOVE THE COAL TAR EPOXY PAINT FROM THE EXISTING SHEET PILE AS SPECIFIED IN "STEEL SHEET PILING" OF THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOTE THE CLOSE PROXIMITY OF RESIDENCES, TREES, AND UTILITIES ALONG THE ENTIRE LENGTH OF THE PROJECT SITE. HE SHALL EXERCISE EXTREME CAUTION AT ALL TIMES WHEN WORKING ON THE LEVEE AND HE SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE RESULTING FROM HIS OPERATIONS.
 - CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN A SAFETY FENCE AROUND THE CONSTRUCTION RIGHT-OF-WAY. SEE SPECIAL CLAUSE "SAFETY PROVISIONS".
 - SEE DRAWING 5 FOR BENCH MARK INFORMATION.

OBSTRUCTIONS TO R/W		
W/L STATION (APPROXIMATE)	ITEM AND OWNER	DISPOSITION
99+71	U.S. SPRINT FIBER OPTIC LINE	DWG. NO. 2
35+82	L.P. & L. POWER LINE	DWG. NO. 4



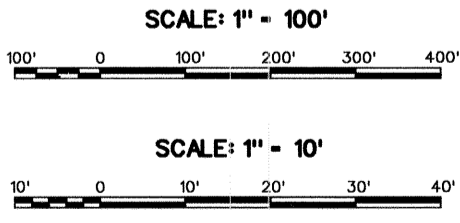
PLAN
SCALE 1" = 100'-0"



ACCESS AND STORAGE DETAILS
STA. 126+03 TO STA. 97+52
SCALE 1" = 10'-0"
ACCESS NOT SHOWN FOR CLARITY

EXCAVATED MATERIAL MUST BE HAULED IN ACCORDANCE WITH C2C OF THE SPECIFICATIONS AND STORED FOR REUSE IN ACCORDANCE WITH SPECIAL CLAUSE "OFFSITE STORAGE".

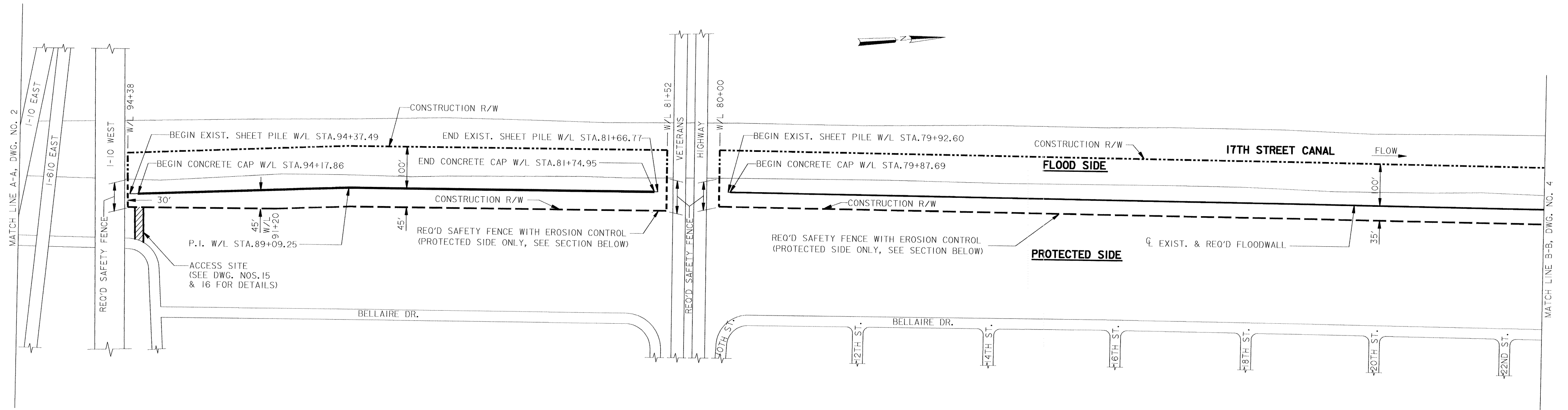
- LEGEND**
- SHEET PILE TO BE CAPPED
 - SHEET PILE LEFT UNCAPPED
 - - - - CONSTRUCTION R/W
 - · · · · UTILITY
 - · - · - CONSTR. R/W, SAFETY FENCE, EROSION CONTROL
 - · - · - CONSTR. R/W AND SAFETY FENCE



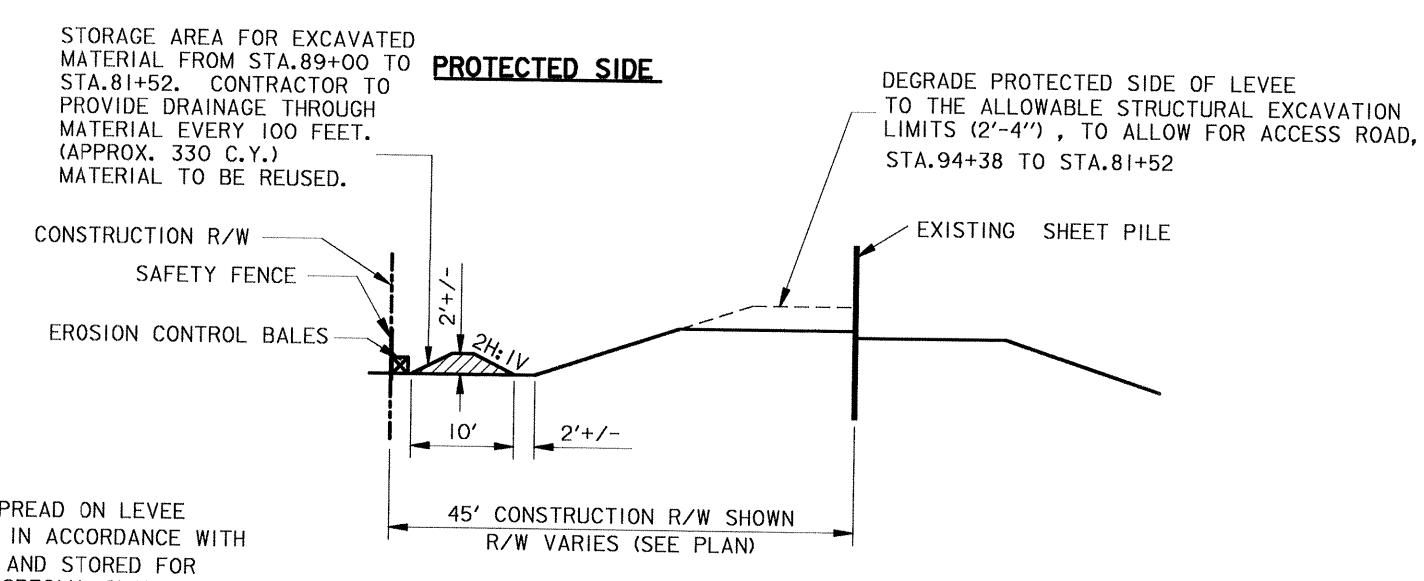
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MODJESKI & MASTERS, INC. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS			
PLAN-1 AND GENERAL NOTES			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 1/200	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CADD FILE: 40208X02.DGN	FILE NO. H-4-40208	
CHECKED BY: M.L.S.	SUBMITTED BY: M.D. B. CONWAY	SOLICITATION NO. DACW29-93-B-0025	DWG. 2 OF 16
MODJESKI & MASTERS, INC. DESIGN ENGINEER			



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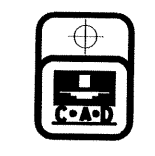
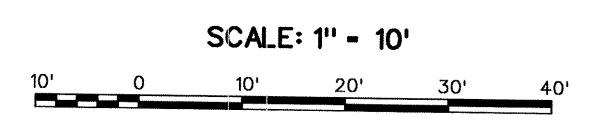
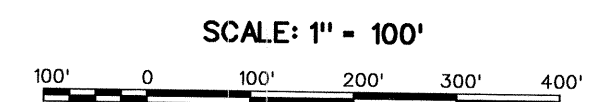
PLAN
SCALE 1" = 100'-0"



ACCESS AND STORAGE DETAILS
STA. 94+38 TO STA. 81+52
SCALE 1" = 10'-0"
ACCESS NOT SHOWN FOR CLARITY

EXCAVATED MATERIAL NOT SPREAD ON LEVEE BACKSLOPE MUST BE HAULED IN ACCORDANCE WITH C2C OF THE SPECIFICATIONS AND STORED FOR REUSE IN ACCORDANCE WITH SPECIAL CLAUSE "OFFSITE STORAGE".
MATERIAL EXCAVATED FROM BELOW EL. 2.0 IS TO BE HAULED IN ACCORDANCE WITH C2C-4.9.

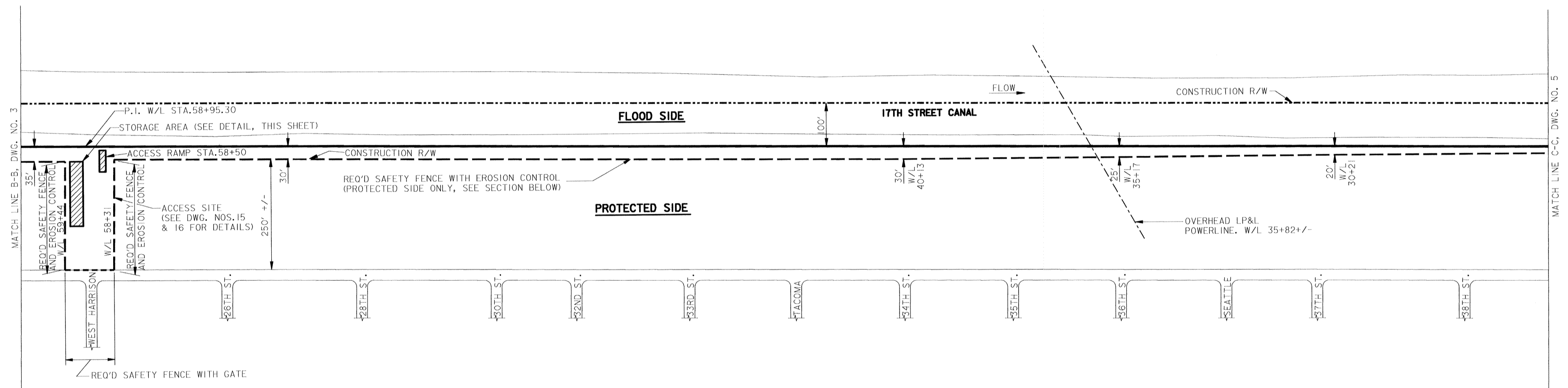
- LEGEND**
- SHEET PILE TO BE CAPPED
 - SHEET PILE LEFT UNCAPPED
 - - - CONSTRUCTION R/W
 - - - UTILITY
 - - - CONSTR. R/W, SAFETY FENCE, EROSION CONTROL
 - - - CONSTR. R/W AND SAFETY FENCE



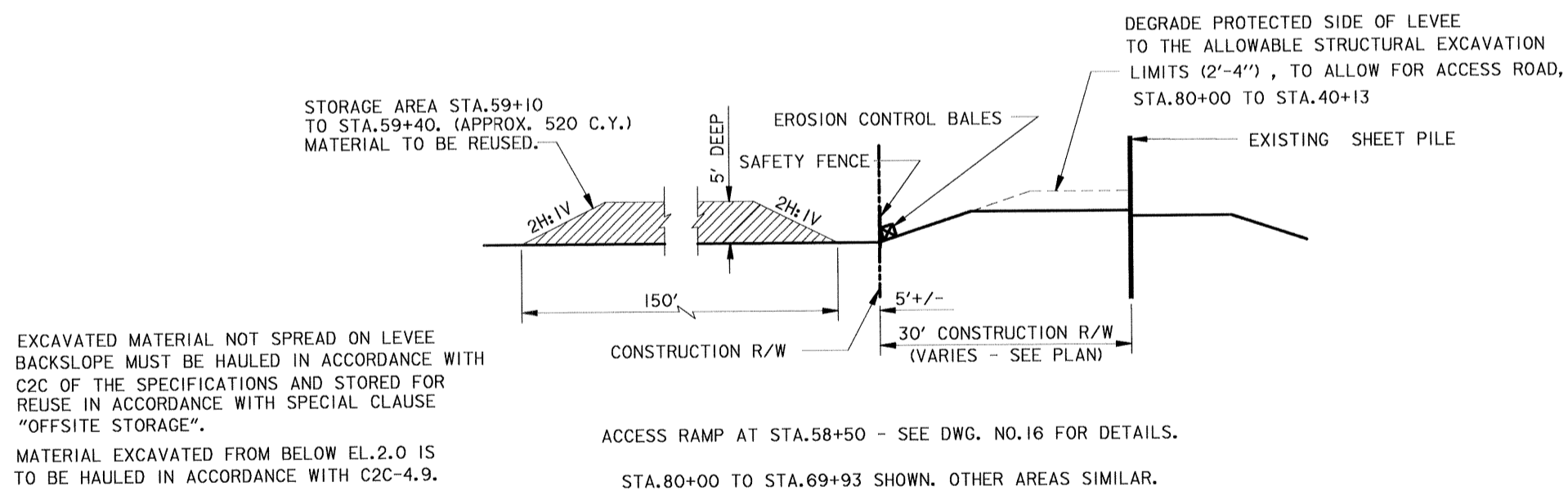
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS			
PLAN-2			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 1/200	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.		FILE NO. H-4-40208
SUBMITTED BY: W. B. CONWAY MODJESKI & MASTERS, Inc. DESIGN ENGINEER		SOLICITATION NO. DACW29-93-B-0025	DWG. 3 OF 16



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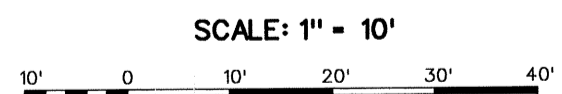
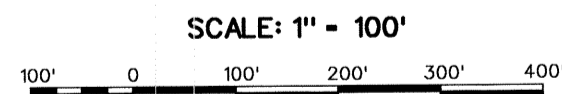
PLAN
SCALE 1" = 100'-0"



ACCESS AND STORAGE DETAILS

STA. 80+00 TO STA. 40+13
SCALE 1" = 10'-0"
ACCESS NOT SHOWN FOR CLARITY

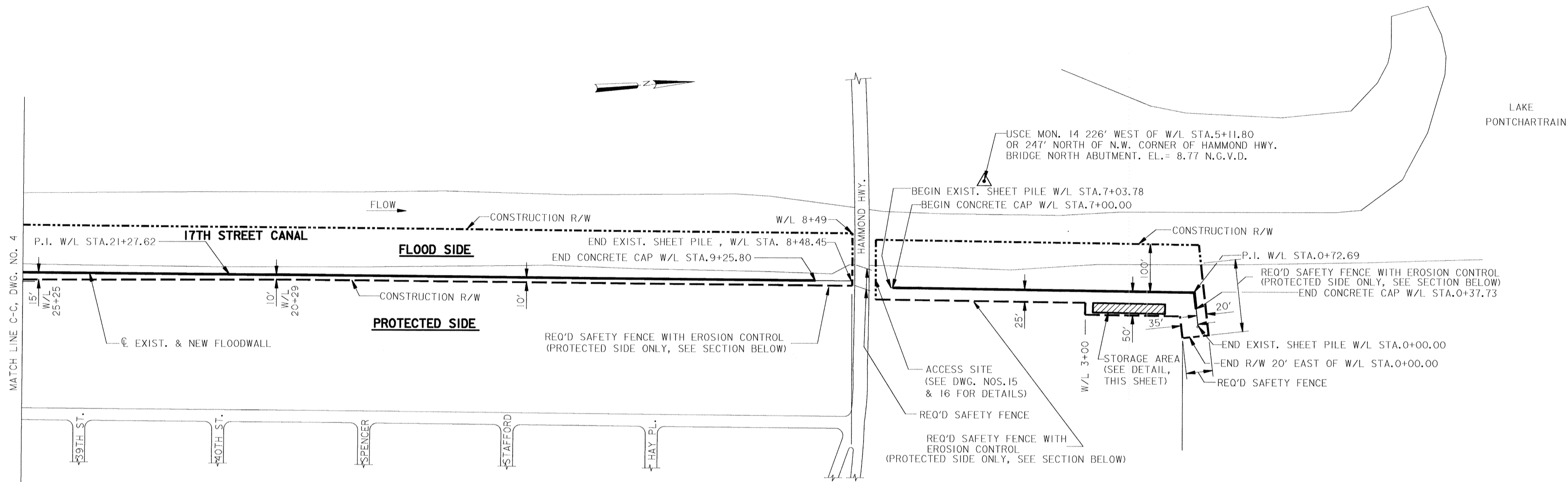
- LEGEND**
- SHEET PILE TO BE CAPPED
 - SHEET PILE LEFT UNCAPPED
 - - - CONSTRUCTION R/W
 - - - UTILITY
 - - - CONSTR. R/W, SAFETY FENCE, EROSION CONTROL
 - - - CONSTR. R/W AND SAFETY FENCE



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS			
PLAN-3			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 1200	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.	CADD FILE: 40208X04.DGN	FILE NO. H-4-40208
SUBMITTED BY: R. B. CONWAY	SOLICITATION NO. DACW29-93-B-0025	DWG. 4 OF 16	



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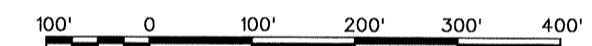
PLAN

SCALE 1" = 100'-0"

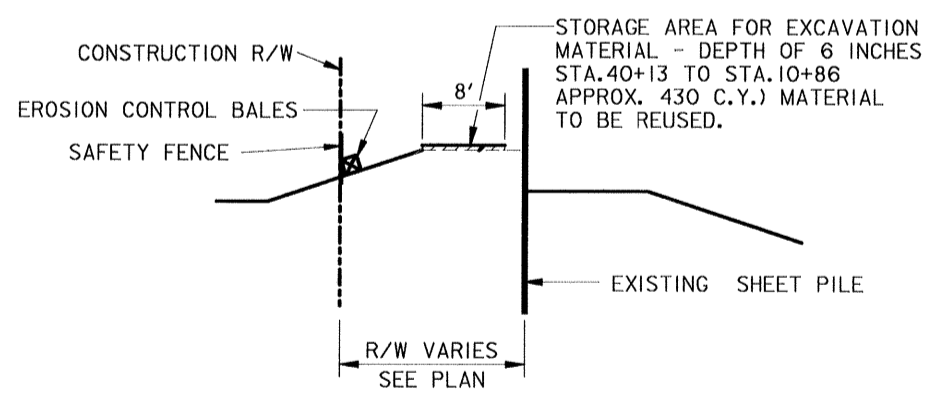
LEGEND

- SHEET PILE TO BE CAPPED
- SHEET PILE LEFT UNCAPPED
- - - CONSTRUCTION R/W
- UTILITY
- - - CONSTR. R/W, SAFETY FENCE, EROSION CONTROL
- - - CONSTR. R/W AND SAFETY FENCE

SCALE: 1" = 100'



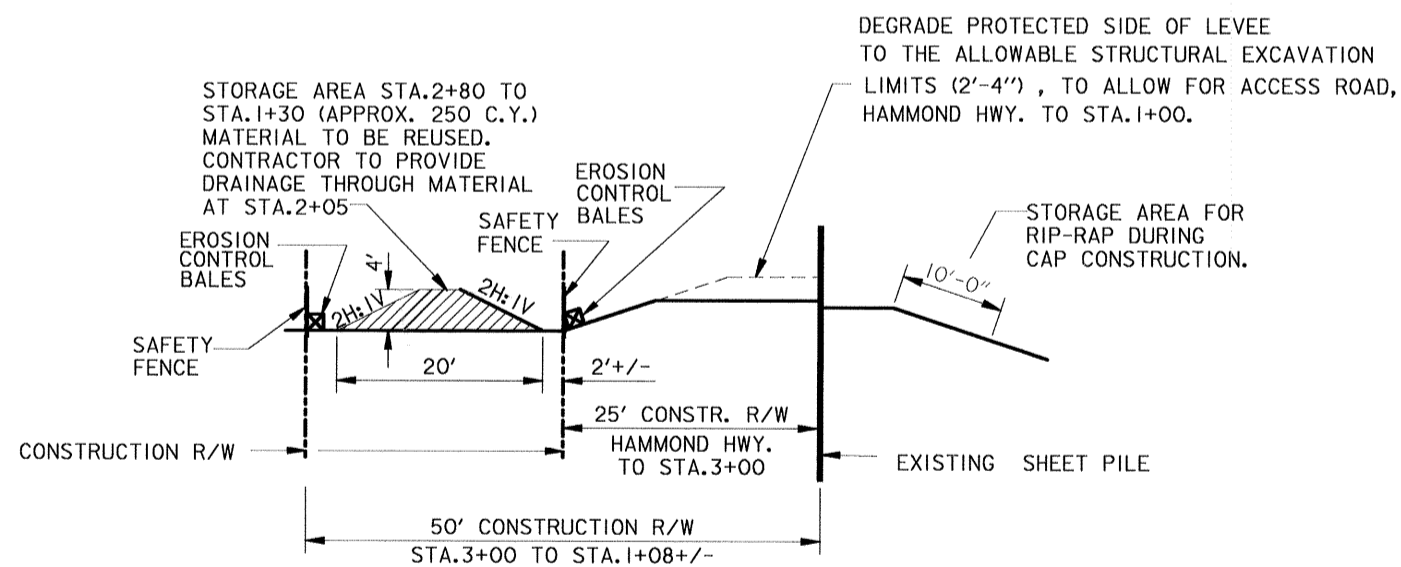
SCALE: 1" = 10'



MATERIAL EXCAVATED FROM BELOW EL.2.0 IS TO BE HAULED IN ACCORDANCE WITH C2C-4.9.

ACCESS AND STORAGE DETAILS

STA.40+13 TO HAMMOND HIGHWAY
SCALE 1" = 10'-0"
STORAGE ON LEVEE NOT SHOWN ON PLAN FOR CLARITY.



RETAINING WALL 27'+/- EAST OF SHEET PILE FROM STA.7+04 TO STA.3+35 NOT SHOWN FOR CLARITY.

EXCAVATED MATERIAL IN EXCESS OF STORAGE IN THIS REACH TO BE HAULED IN ACCORDANCE WITH SECTION C2C OF THE SPECIFICATIONS AND STORED FOR REUSE IN ACCORDANCE WITH THE SPECIAL CLAUSE "OFFSITE STORAGE".

ACCESS AND STORAGE DETAILS

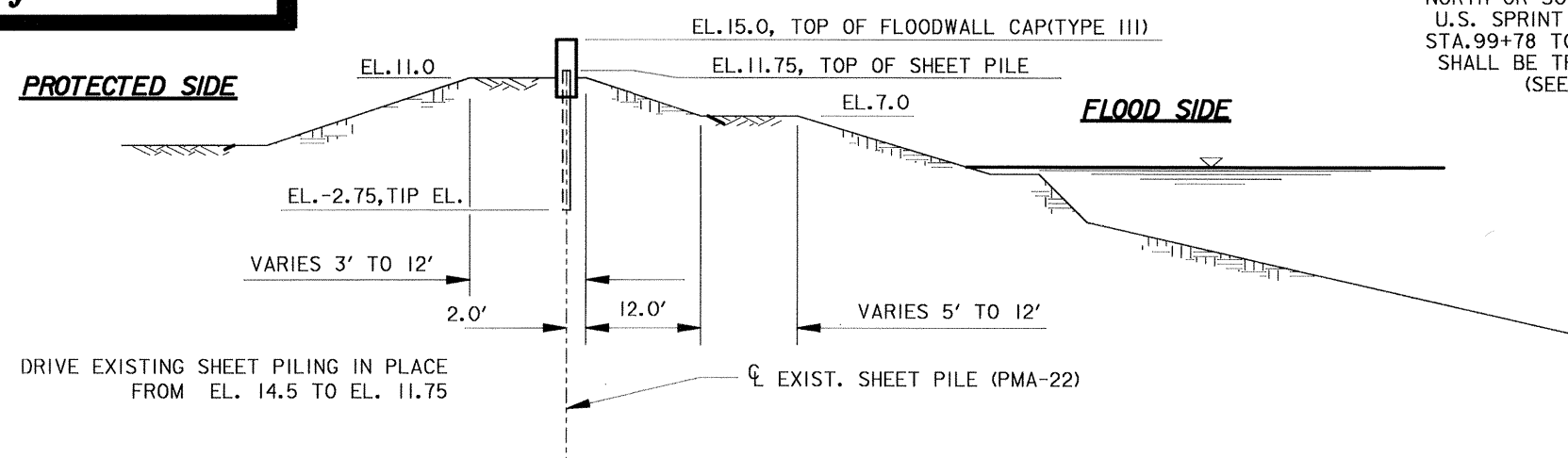
HAMMOND HWY. TO STA.0+00
SCALE 1" = 10'-0"
ACCESS NOT SHOWN ON PLAN FOR CLARITY

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS			
CORPS OF ENGINEERS			
NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY			
HIGH LEVEL PLAN			
17TH STREET CANAL			
EXCAVATION AND FLOODWALL PROTECTION			
CAPPING OF FLOODWALLS			
EAST SIDE LEVEE IMPROVEMENTS			
PLAN-4			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 1200	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.	CADD FILE: 40208X05.DGN	FILE NO: H-4-40208
SUBMITTED BY: W. E. CONWAY MODJESKI & MASTERS Inc. DESIGN ENGINEER		SOLICITATION NO. DACW29-93-B-0025 DWG. 5 OF 16	

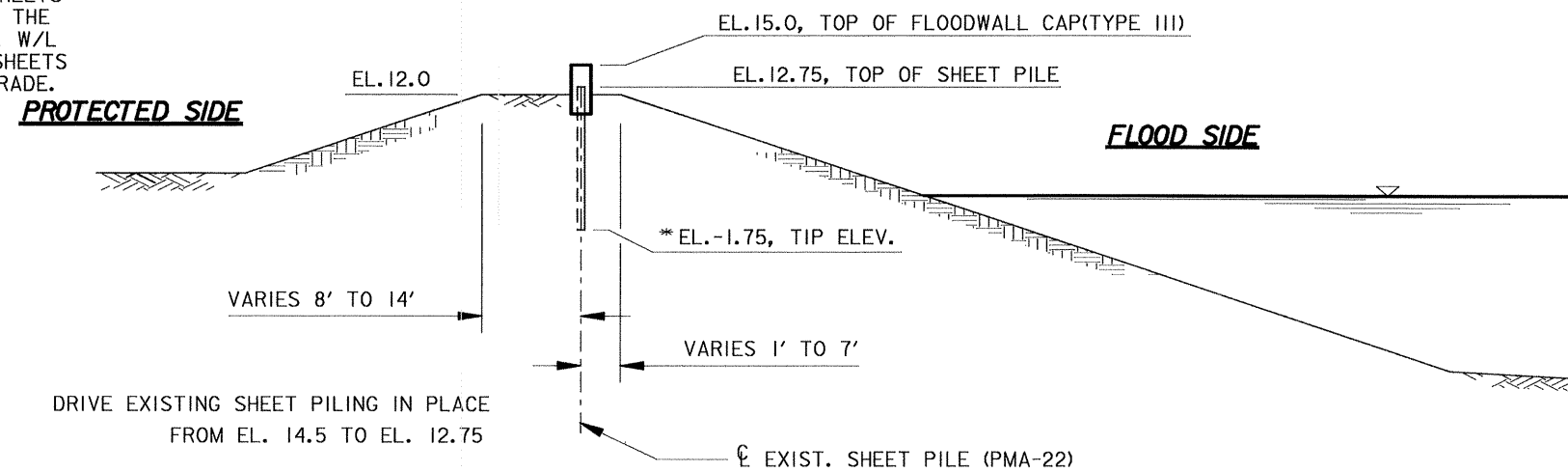


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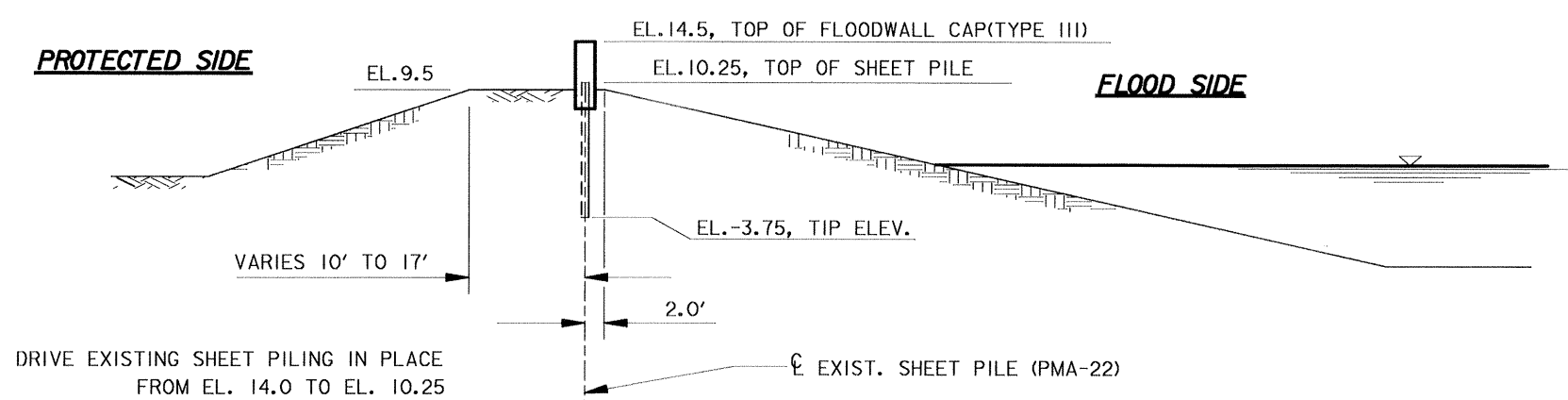
*-NOTE: CONTRACTOR SHALL NOT DRIVE THE 4 SHEETS NORTH OR SOUTH OF THE CENTERLINE OF THE U.S. SPRINT FIBER OPTIC LINE (APPROX. W/L STA.99+78 TO W/L STA.99+65). THESE SHEETS SHALL BE TRIMMED TO THE REQUIRED GRADE. (SEE DETAIL ON DWG. NO. 9)



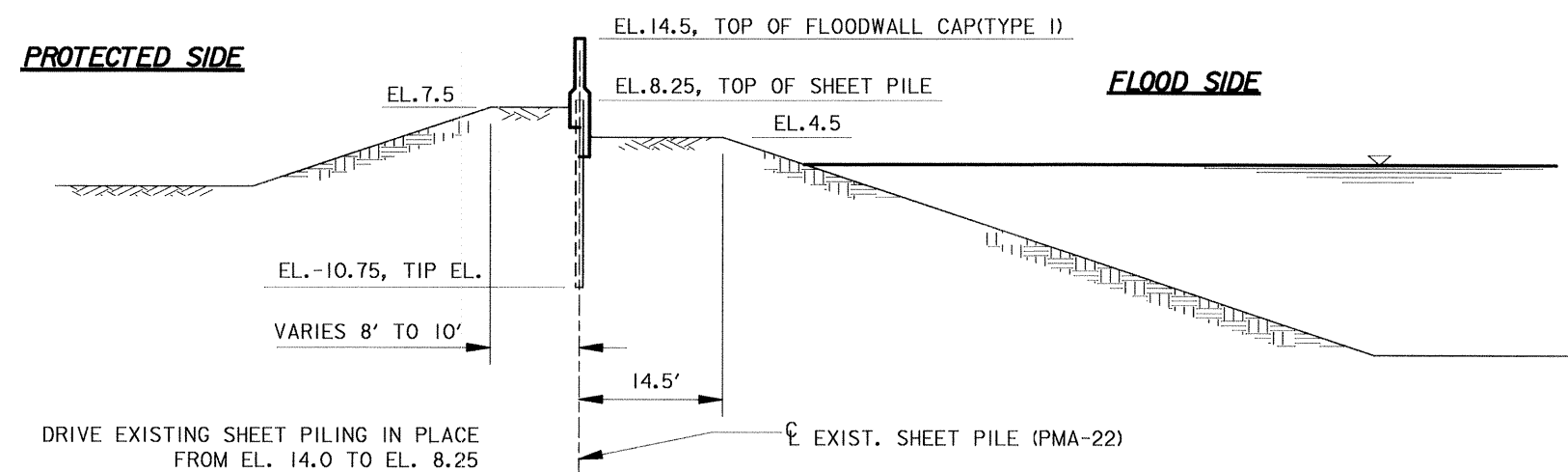
W/L STA. 126+02.51 TO W/L STA. 118+25.95



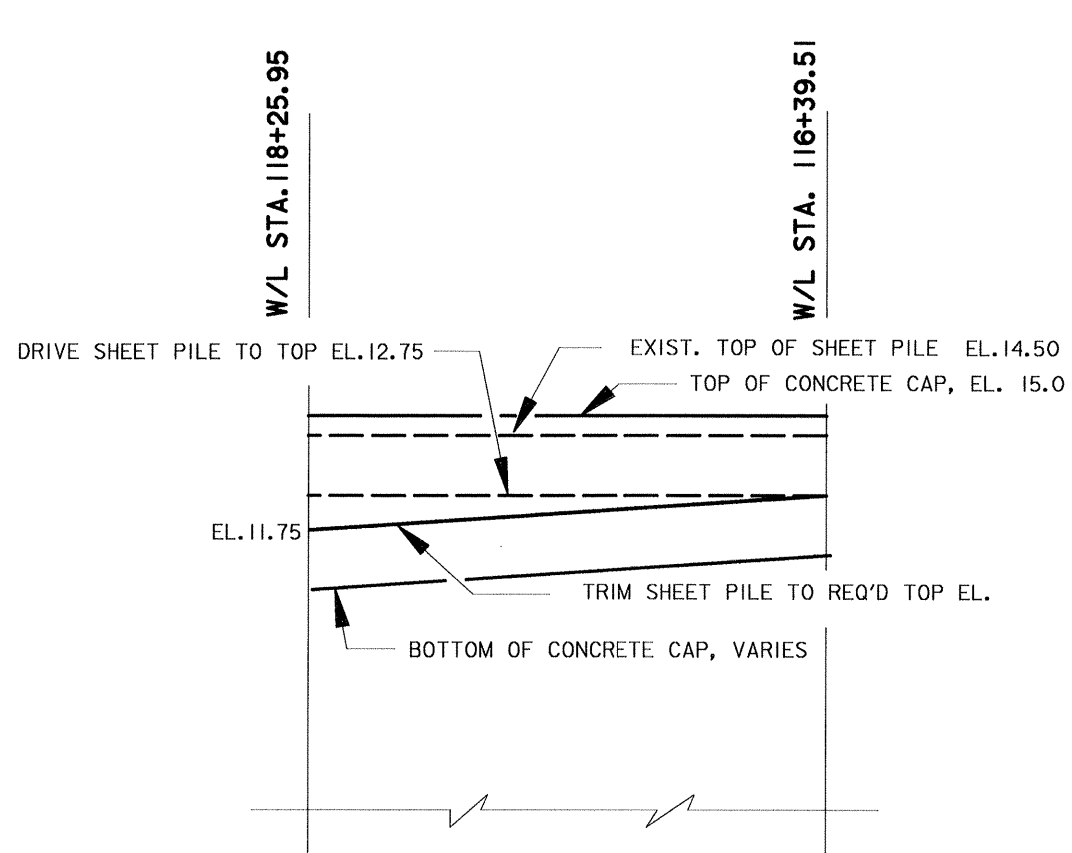
W/L STA. 116+39.51 TO W/L STA. 97+75.13



W/L STA. 94+17.86 TO W/L STA. 91+07.14



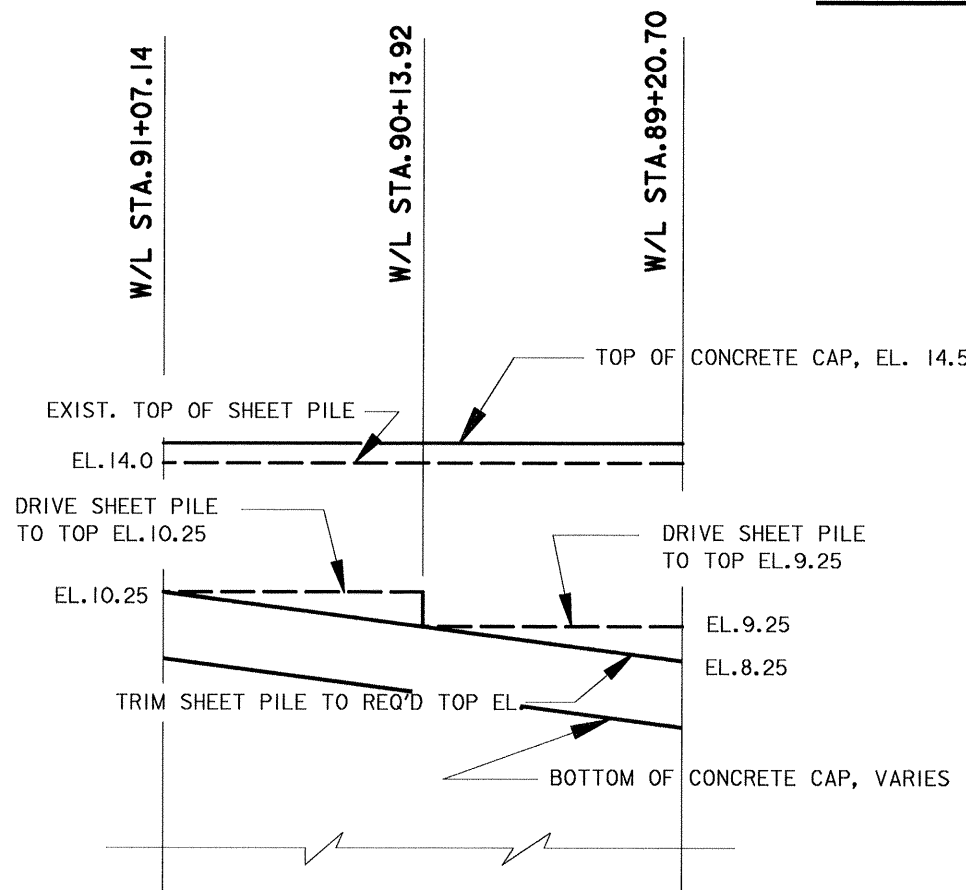
W/L STA. 89+20.70 TO W/L STA. 81+74.95



TRANSITION - PMA22 SHEET PILE

W/L STA. 118+25.95 TO W/L STA. 116+39.51

N.T.S.



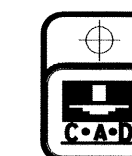
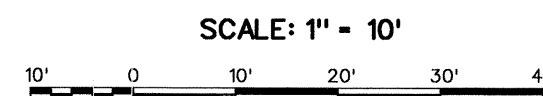
TRANSITION - PMA22 SHEET PILE

W/L STA. 91+07.14 TO W/L STA. 89+20.70

N.T.S.

FOR ELEVATIONS AND DIMENSIONS OF THE CONCRETE CAP, SEE DWGS. 8 AND 9.

NOTES:
FOR GENERAL NOTES, SEE DWG. NO.2.
FOR PANEL LAYOUT OF FLOODWALL IN THESE AREAS, SEE DWG. NO. 9
STATIONING BASED ON THEORETICAL SHEET PILE WIDTHS (SEE GENERAL NOTES).
NORMAL WATER SURFACE EL. 1.5 TO 2.0 (TYP.)
THE ELEVATIONS SHOWN ARE APPROXIMATE.
THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS AND BUILD THE LEVEE TO THE ORIGINAL SECTIONS.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

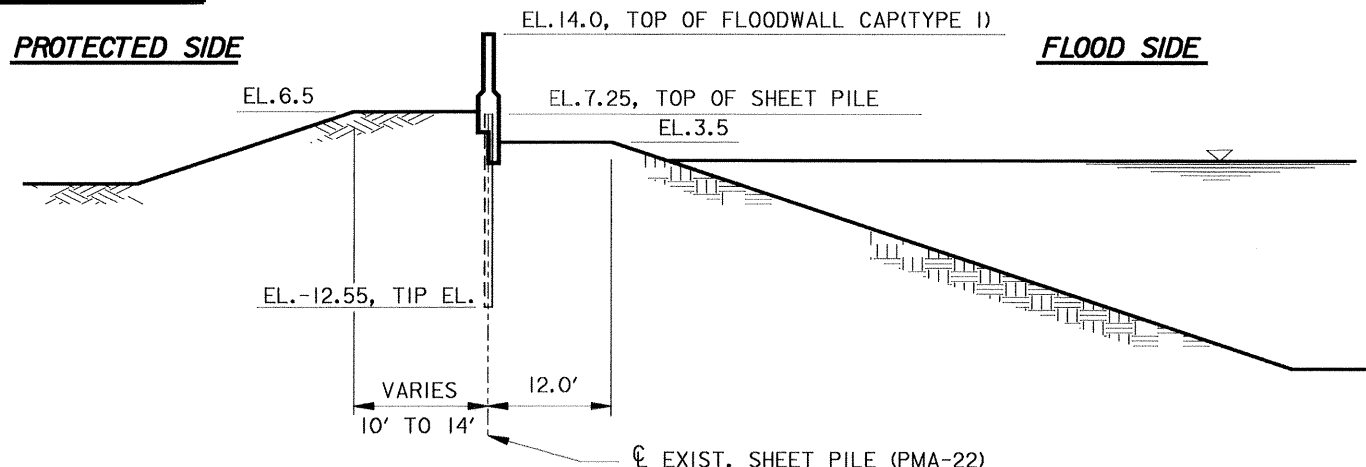
MODJESKI & MASTERS Inc.
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET CANAL
EXCAVATION AND FLOODWALL PROTECTION
CAPPING OF FLOODWALLS
EAST SIDE LEVEE IMPROVEMENTS

LEVEE
TYPICAL SECTIONS-1

DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 10	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CADD FILE: 4000R0K01.DGN	FILE NO. H-4-40208	
CHECKED BY: M.L.S.	SOLICITATION NO. DACW29-93-B-0025		
SUBMITTED BY: W. B. CONWAY MODJESKI & MASTERS Inc. DESIGN ENGINEER			DWG. 6 OF 16

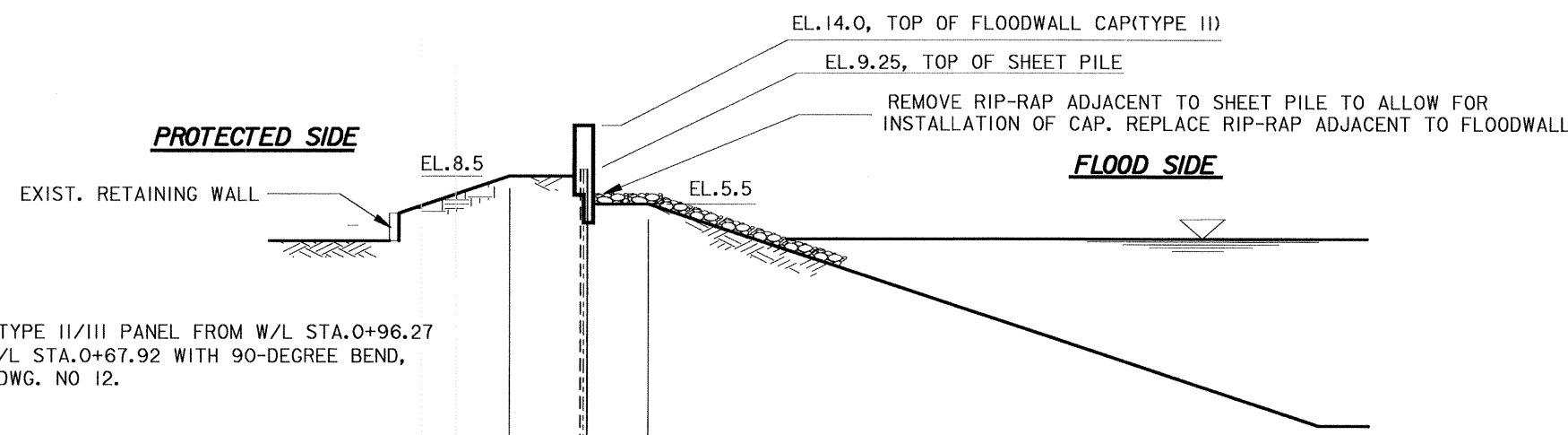
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DRIVE EXISTING SHEET PILING IN PLACE FROM EL. 13.5 TO EL. 7.25

EXIST. SHEET PILE (PMA-22)

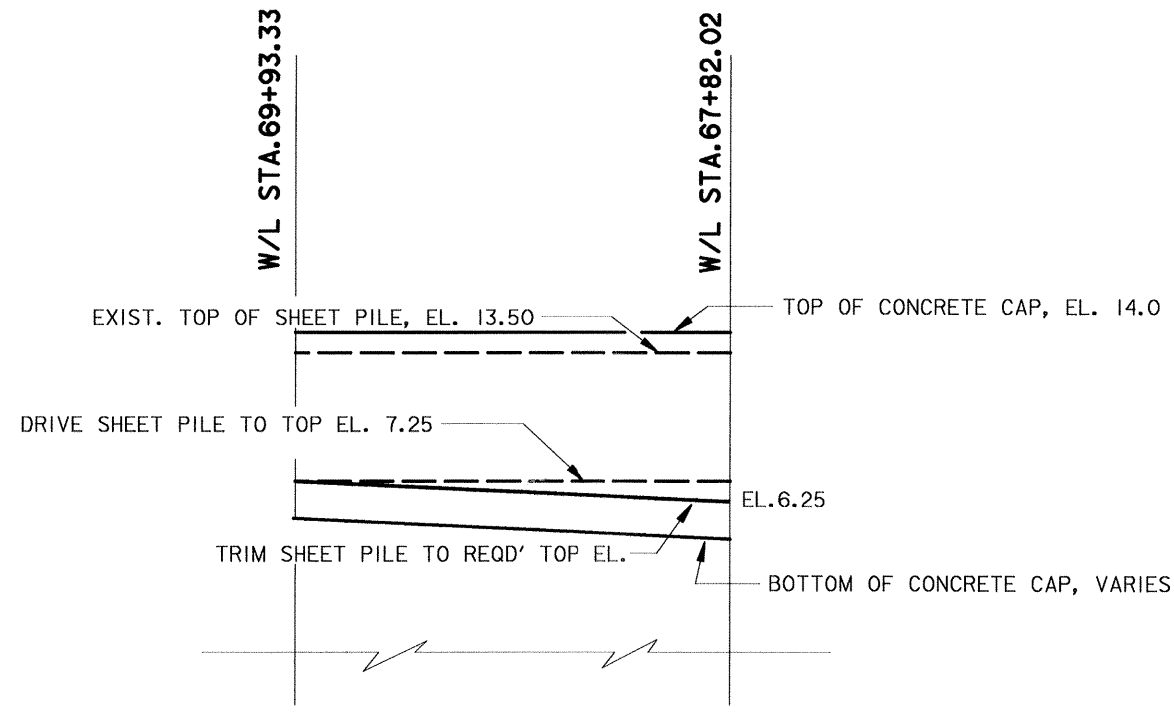
W/L STA.79+87.69 TO W/L STA.69+93.33



FOR TYPE II/III PANEL FROM W/L STA.0+96.27 TO W/L STA.0+67.92 WITH 90-DEGREE BEND, SEE DWG. NO 12.

DRIVE EXISTING SHEET PILING IN PLACE FROM EL. 13.5 TO EL. 9.25

W/L STA.7+00.00 TO W/L STA.0+96.27

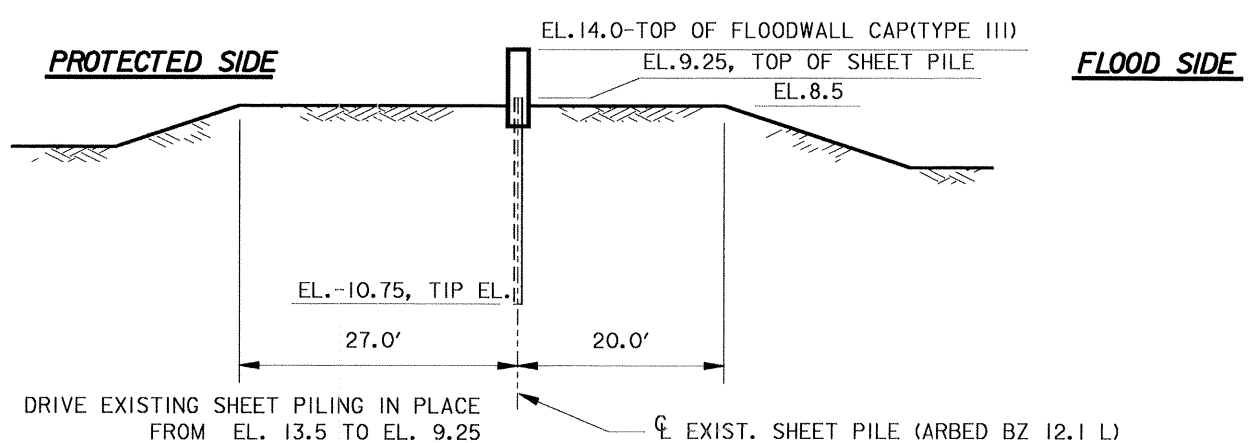


TRANSITION-HI2 SHEET PILE

W/L STA.69+93.33 TO W/L STA.67+82.02

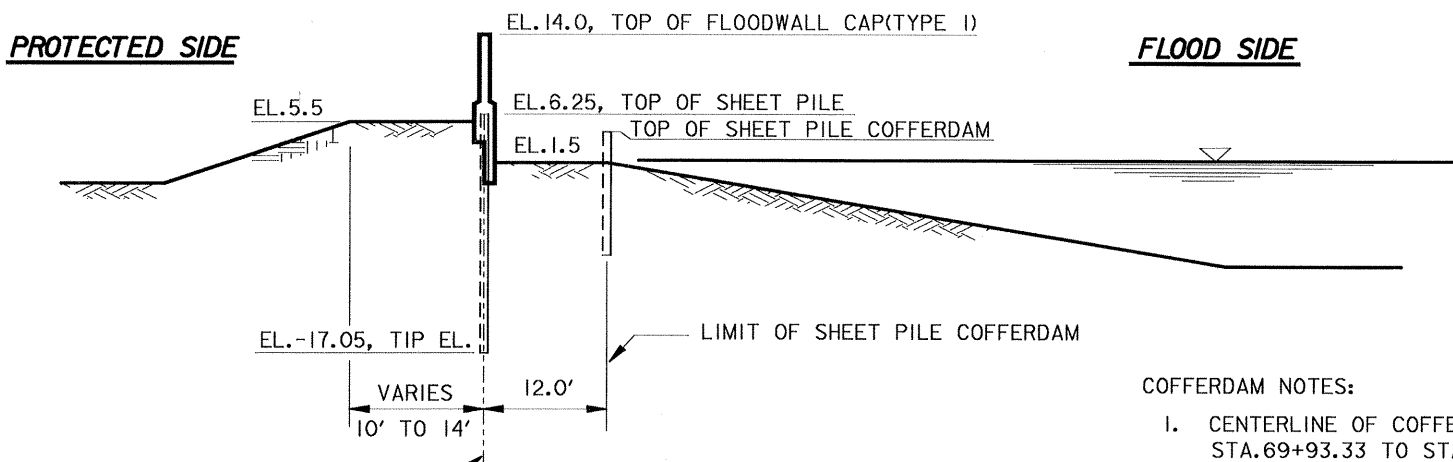
N.T.S.

FOR ELEVATIONS AND DIMENSIONS OF THE CONCRETE CAP, SEE DWGS. 8 AND 9.



DRIVE EXISTING SHEET PILING IN PLACE FROM EL. 13.5 TO EL. 9.25

W/L STA.0+67.92 TO W/L STA.0+37.73

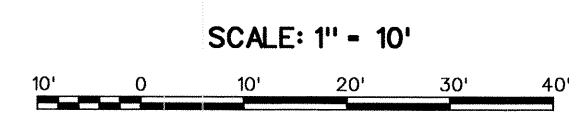


DRIVE EXISTING SHEET PILING IN PLACE FROM EL. 13.5 TO EL. 6.25

- COFFERDAM NOTES:
- CENTERLINE OF COFFERDAM SHEETS REQUIRED FROM STA.69+93.33 TO STA.9+25.80 SHALL NOT BE MORE THAN 12 FEET WEST OF THE CENTERLINE OF THE EXISTING SHEET PILE.
 - CONCRETE TO BE PLACED IN THE DRY. CONTRACTOR SHALL DESIGN AND CONSTRUCT A COFFERDAM SUITABLE FOR KEEPING THE WORKING AREA DRY.

W/L STA.67+82.02 TO W/L STA.9+25.80

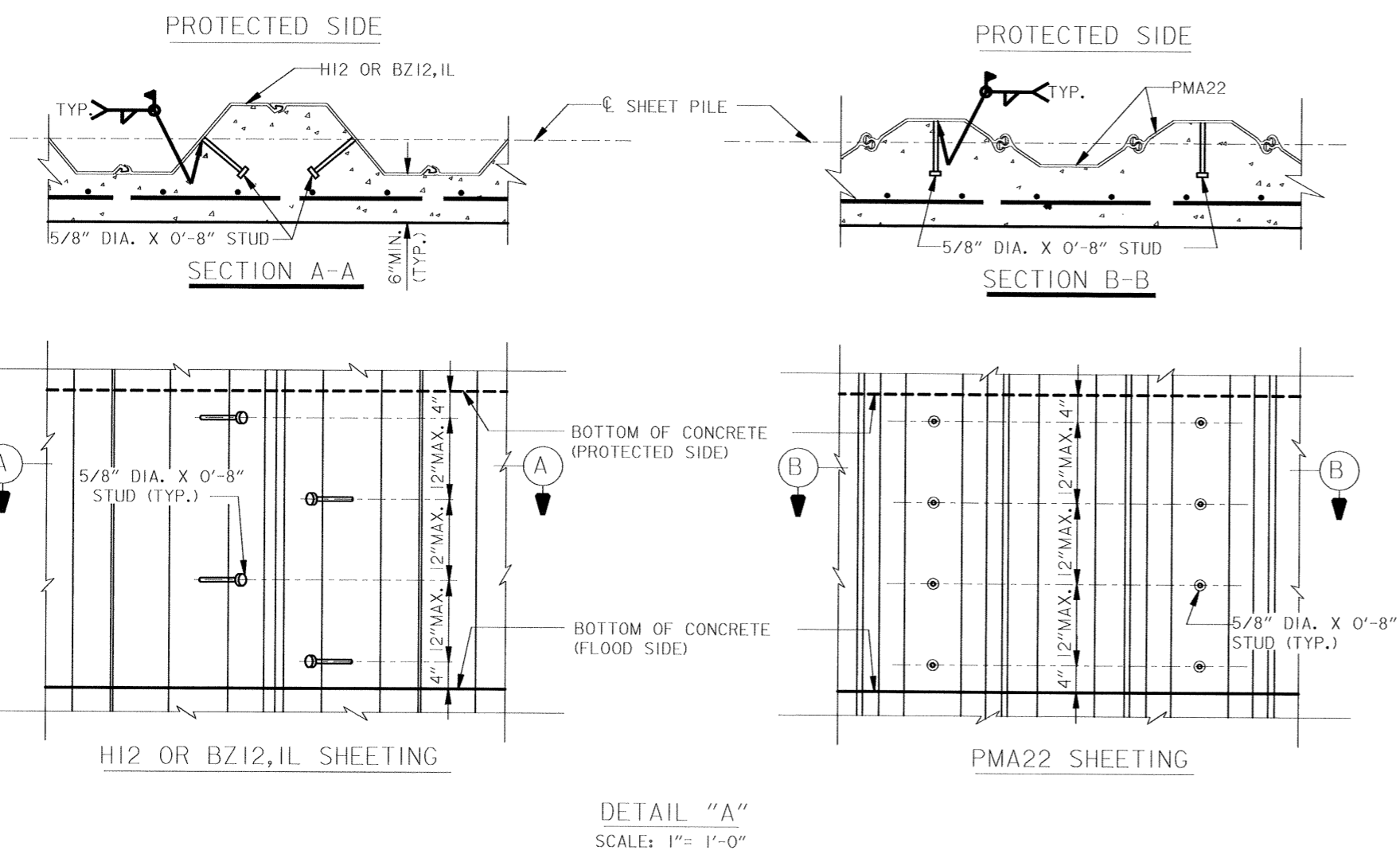
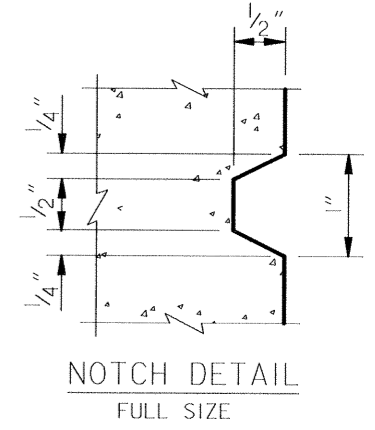
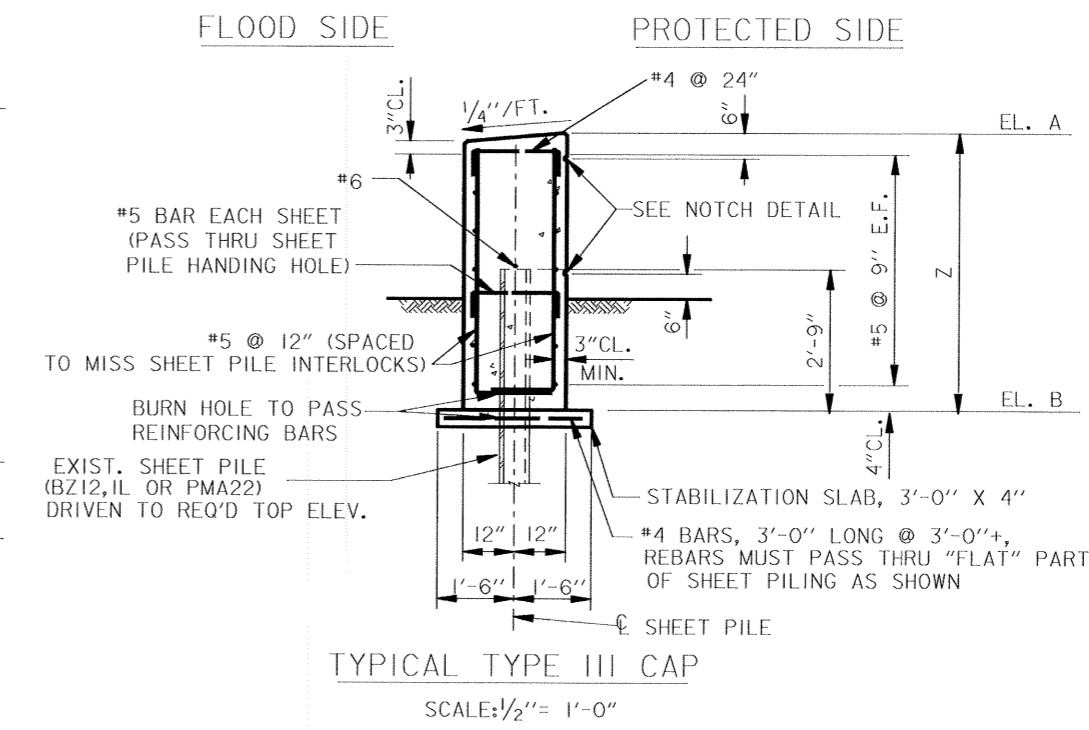
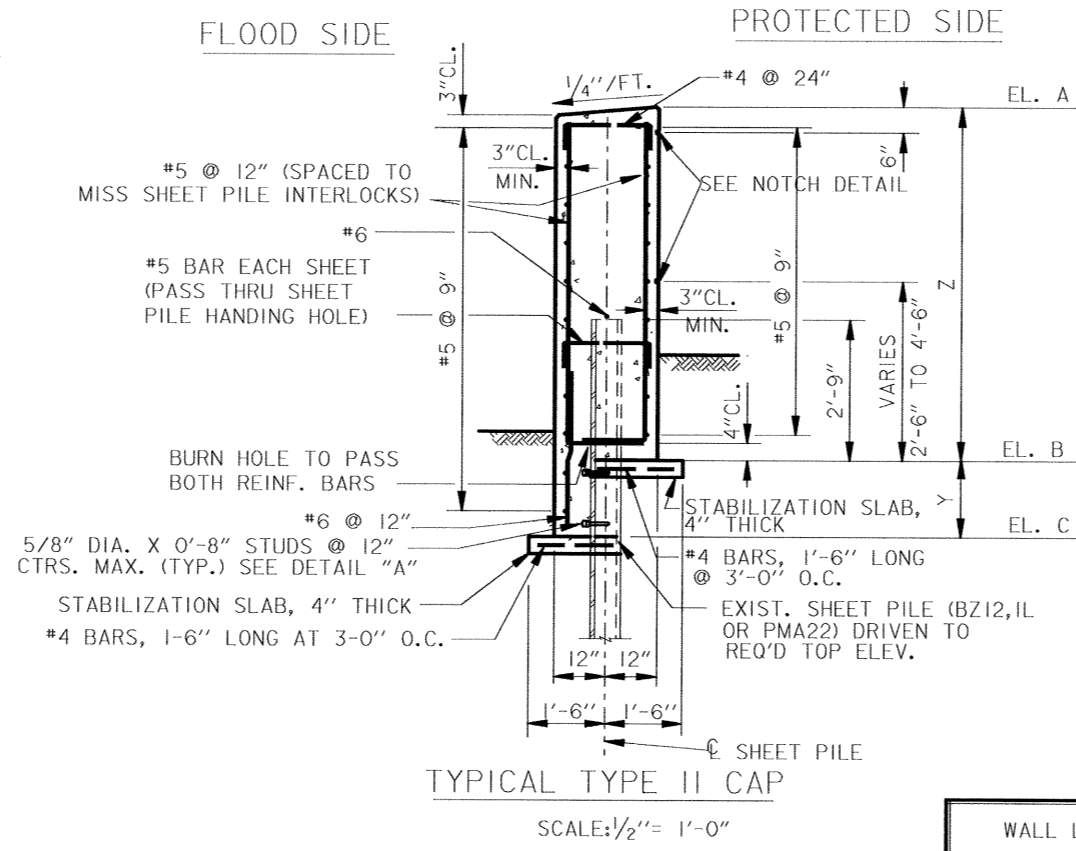
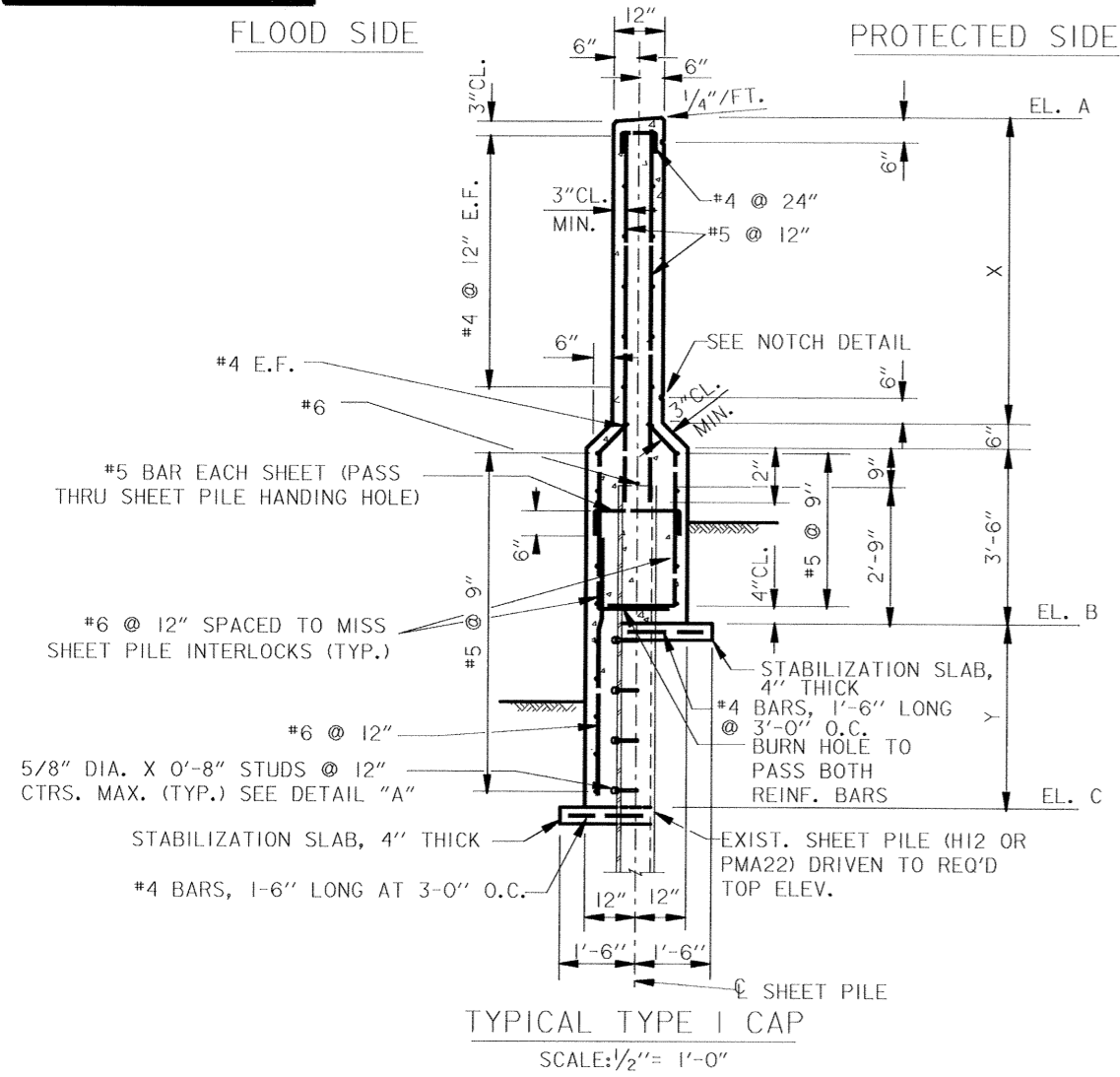
NOTES:
 FOR GENERAL NOTES, SEE DWG. NO.2.
 FOR PANEL LAYOUT OF FLOODWALL IN THESE AREAS, SEE DWG. NO. 9
 STATIONING BASED ON THEORETICAL SHEET PILE WIDTHS (SEE GENERAL NOTES).
 NORMAL WATER SURFACE EL. 1.5 TO 2.0 (TYP.)
 THE ELEVATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL ELEVATIONS AND BUILD THE LEVEE TO THE ORIGINAL SECTIONS.



SYMBOL	DESCRIPTION	DATE	APPROVED
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
<small>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</small>		<small>MOLESKI & MASTERS, INC. NEW ORLEANS, LOUISIANA</small>	
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS LEVEE TYPICAL SECTIONS-2			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 10	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.	CADD FILE: 4020R07.DGN	FILE NO. H-4-40208
<small>SUBMITTED BY: W. D. CONWAY MOLESKI & MASTERS, INC. DESIGN ENGINEER</small>		<small>SOLICITATION NO. DACW29-93-B-0025</small>	<small>DWG. 7 OF 16</small>



Safety is a Part of Your Contract



WALL LINE STATION	WALL LENGTH	WALL TYPE	ELEV. A	ELEV. B	ELEV. C	X (FT.)	Y (FT.)	Z (FT.)
126+02.51 TO 125+71.70	30'-9 3/4"	III	15.0	9.0	---	---	---	6'-0"
125+71.70 TO 118+25.95	745'-9"	III	15.0	9.0	---	---	---	6'-0"
118+25.95 TO 116+39.51	186'-5 1/4"	III	15.0	9.0 TO 10.0	---	---	---	6'-0" TO 5'-0"
116+39.51 TO 97+75.13	1864'-4 1/2"	III	15.0	10.0	---	---	---	5'-0"
97+75.13 TO 97+62.05	13'-1"							SHEET PILE ONLY
INTERSTATE BRIDGES								
94+37.49 TO 94+17.86	19'-7 1/2"							SHEET PILE ONLY
94+17.86 TO 91+07.14	310'-8 3/4"	III	14.5	7.5	---	---	---	7'-0"
91+07.14 TO 89+20.70	186'-5 1/4"	II	14.5	7.5 TO 5.5	7.5 TO 2.5	---	0'-0" TO 3'-0"	7'-0" TO 9'-0"
89+20.70 TO 82+06.02	714'-8 1/8"	I	14.5	5.5	2.5	5'-0"	3'-0"	---
82+06.02 TO 81+74.95	31'-0 1/8"	I	14.5	5.5 TO 2.5	2.5	5'-0"	3'-0" TO 0'-0"	---
81+74.95 TO 81+66.77	8'-2 1/8"							SHEET PILE ONLY
VETERANS HIGHWAY BRIDGES								
79+92.60 TO 79+87.69	4'-10 1/8"							SHEET PILE ONLY
79+87.69 TO 79+56.62	31'-0 1/8"	I	14.0	1.5 TO 4.5	1.5	5'-6"	0'-0" TO 3'-0"	---
79+56.62 TO 70+24.43	932'-2 1/4"	I	14.0	4.5	1.5	5'-6"	3'-0"	---
70+24.43 TO 69+93.33	31'-1 1/4"	I	14.0	4.5	1.5	5'-6"	3'-0"	---
69+93.33 TO 67+82.02	211'-3 3/4"	I	14.0	4.5 TO 3.5	1.5 TO -0.5	5'-6" TO 6'-6"	3'-0" TO 4'-0"	---
67+82.02 TO 9+55.99	5826'-2 1/4"	I	14.0	3.5	-0.5	6'-6"	4'-0"	---
9+55.99 TO 9+25.80	30'-2 1/4"	I	14.0	3.5 TO -0.5	-0.5	6'-6"	4'-0" TO 0'-0"	---
HAMMOND HIGHWAY BRIDGE								
7+03.78 TO 7+00.00	3'-9 1/4"							SHEET PILE ONLY
7+00.00 TO 6+69.82	30'-2 1/4"	II	14.0	3.5 TO 6.5	3.5	---	0'-0" TO 3'-0"	10'-6" TO 7'-6"
6+69.82 TO 0+96.27	573'-6 3/4"	II	14.0	6.5	3.5	---	3'-0"	7'-6"
0+96.27 TO 0+67.92	28'-4 1/8"	II/III*	14.0	6.5	3.5	---	3'-0"	7'-6"
0+67.92 TO 0+37.73	30'-2 1/4"	III	14.0	6.5	---	---	---	7'-6"
0+37.73 TO 0+00.00	37'-8 1/8"							SHEET PILE ONLY

*FOR DETAILS OF 90-DEGREE BEND, SEE DWG. NO. 12.

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.



SYMBOL	DESCRIPTION	DATE	APPROVED
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MURKIN & MASTERS INC. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, L.A. AND VICINITY HIGH LEVEL PLAN EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS FLOODWALL CAP TYPICAL SECTIONS			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 2	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.	CADD FILE: 4020R08.DGN	FILE NO. H-4-40208
SUBMITTED BY: MURKIN & MASTERS INC. DESIGN ENGINEER		SOLICITATION NO. DAC#29-93-B-0025 DWG. 8 OF 16	

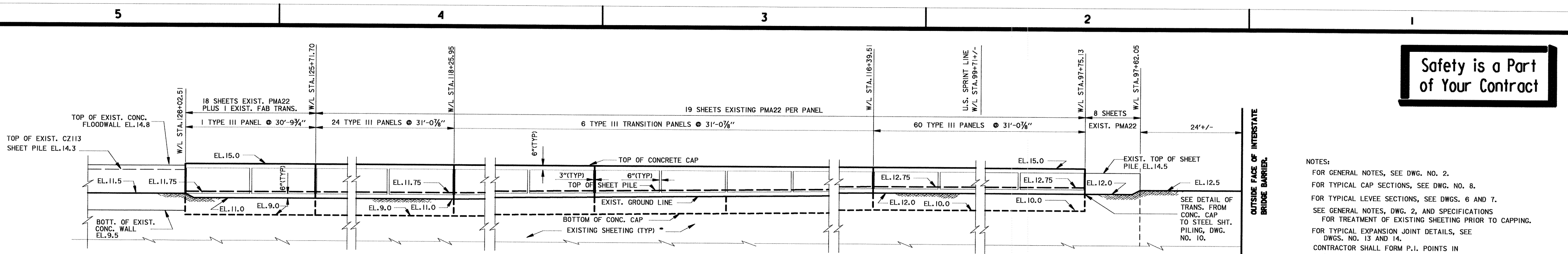
Safety is a Part of Your Contract

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR TYPICAL CAP SECTIONS, SEE DWG. NO. 8.
 FOR TYPICAL LEVEE SECTIONS, SEE DWGS. 6 AND 7.
 SEE GENERAL NOTES, DWG. 2, AND SPECIFICATIONS FOR TREATMENT OF EXISTING SHEETING PRIOR TO CAPPING.
 FOR TYPICAL EXPANSION JOINT DETAILS, SEE DWGS. NO. 13 AND 14.
 CONTRACTOR SHALL FORM P.I. POINTS IN CONCRETE WALL AS REQUIRED BY ALIGNMENT OF SHEET PILE.
 PANEL LENGTHS SHOWN ARE BASED ON THEORETICAL DIMENSIONS. IN-PLACE DIMENSIONS WILL VARY. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS PRIOR TO FABRICATING FORMS.
 (F.S.) DENOTES FLOOD SIDE.
 (P.S.) DENOTES PROTECTED SIDE.

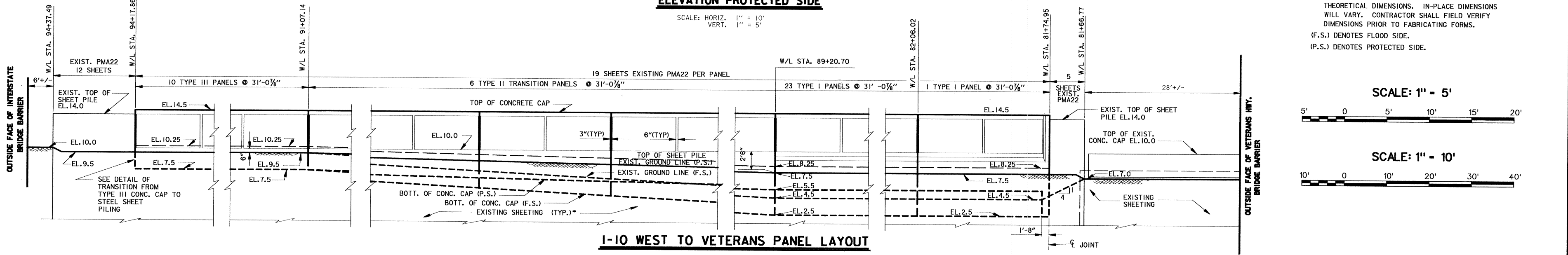
SCALE: 1" = 5'



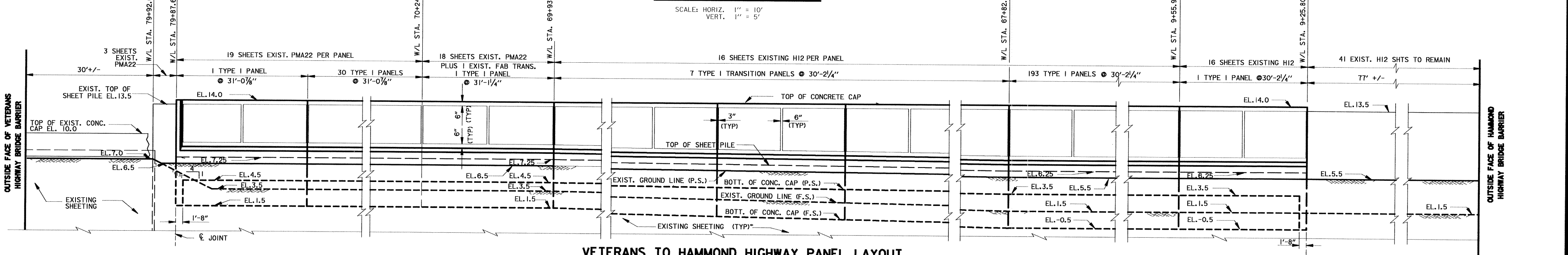
SCALE: 1" = 10'



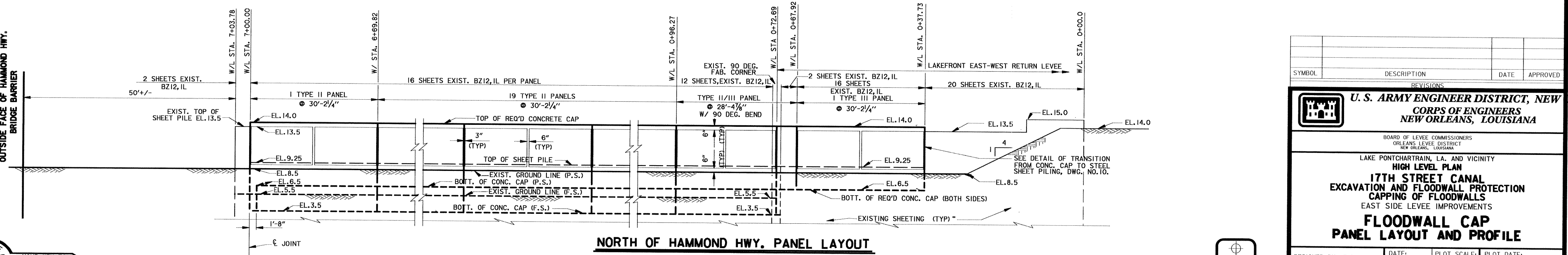
SOUTHERN RAILWAY TO I-10 EAST PANEL LAYOUT
ELEVATION PROTECTED SIDE
 SCALE: HORIZ. 1" = 10'
 VERT. 1" = 5'



I-10 WEST TO VETERANS PANEL LAYOUT
ELEVATION PROTECTED SIDE
 SCALE: HORIZ. 1" = 10'
 VERT. 1" = 5'

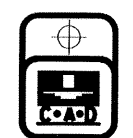


VETERANS TO HAMMOND HIGHWAY PANEL LAYOUT
ELEVATION PROTECTED SIDE
 SCALE: HORIZ. 1" = 10'
 VERT. 1" = 5'

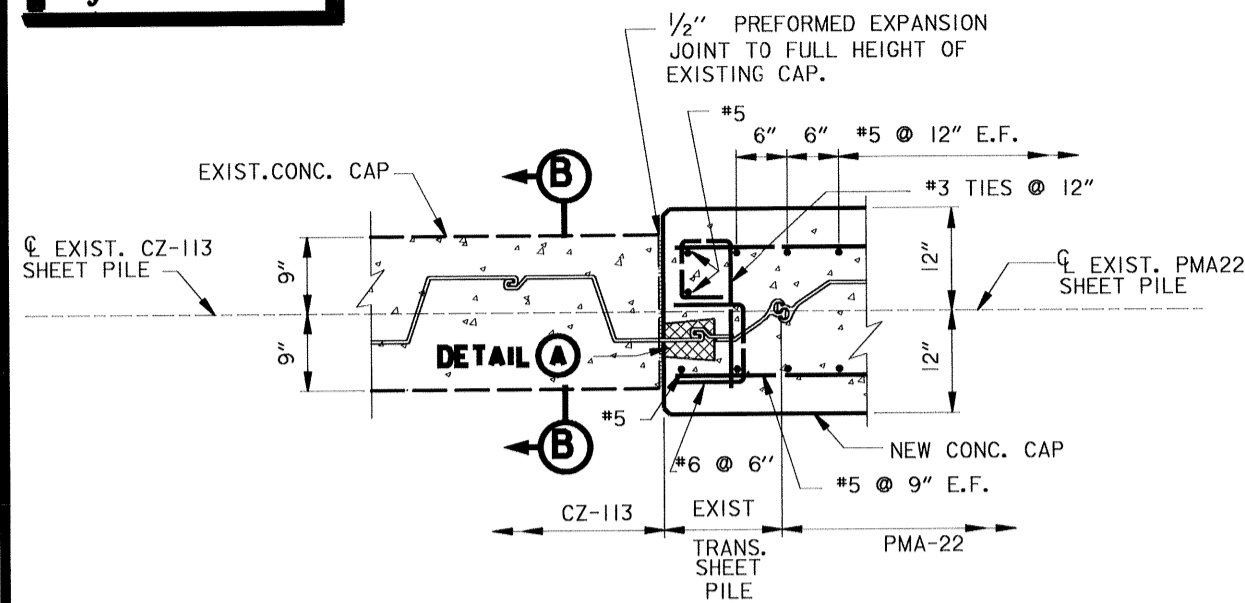


NORTH OF HAMMOND HWY. PANEL LAYOUT
ELEVATION PROTECTED SIDE
 SCALE: HORIZ. 1" = 10'
 VERT. 1" = 5'

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS			
CORPS OF ENGINEERS			
NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN			
EXCAVATION AND FLOODWALL PROTECTION			
CAPPING OF FLOODWALLS			
EAST SIDE LEVEE IMPROVEMENTS			
FLOODWALL CAP			
PANEL LAYOUT AND PROFILE			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 10	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.	CADD FILE: 4020809.DGN	FILE NO. H-4-40208
SUBMITTED BY: W. R. CONWAY MODJESKI & MASTERS, INC. DESIGN ENGINEER	SOLICITATION NO. DACW29-93-B-0025	DWG. 9 OF 16	

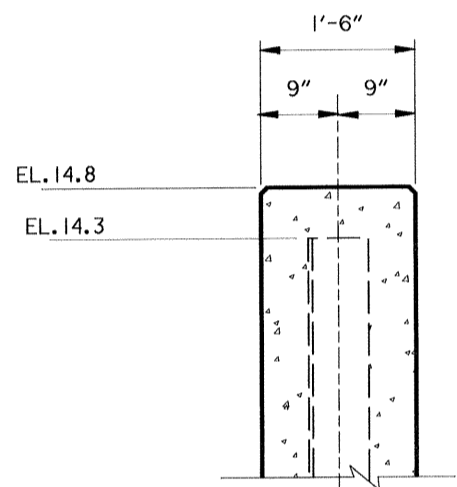


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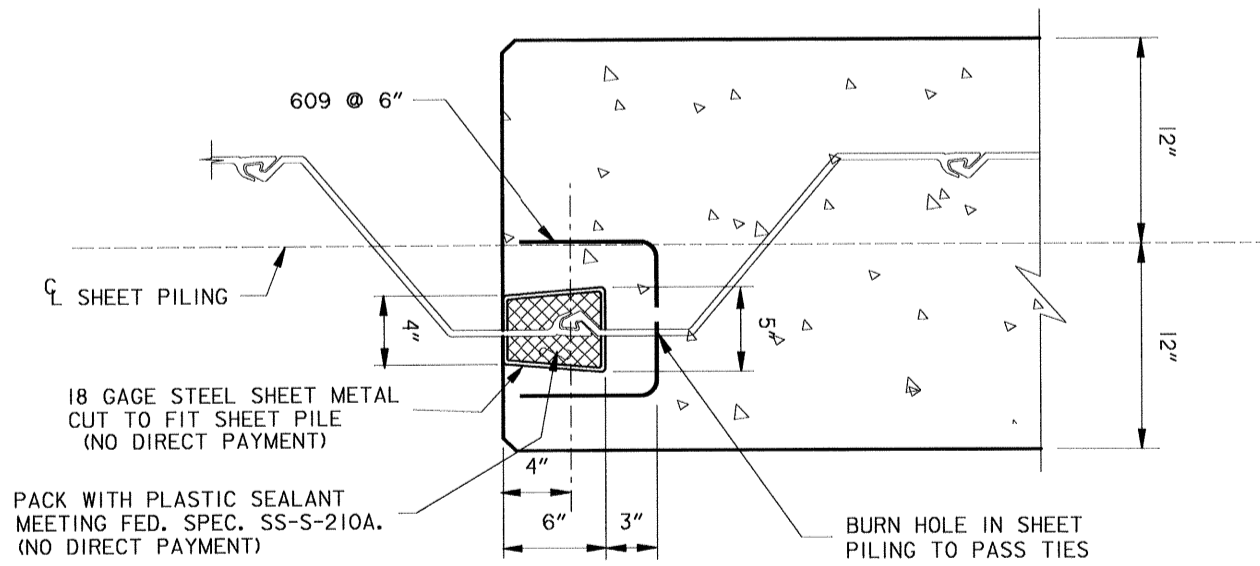
JOINT AT W/L STA. 126+02.51

TRANSITION TO EXIST. CAP
SCALE: 1" = 1'-0"



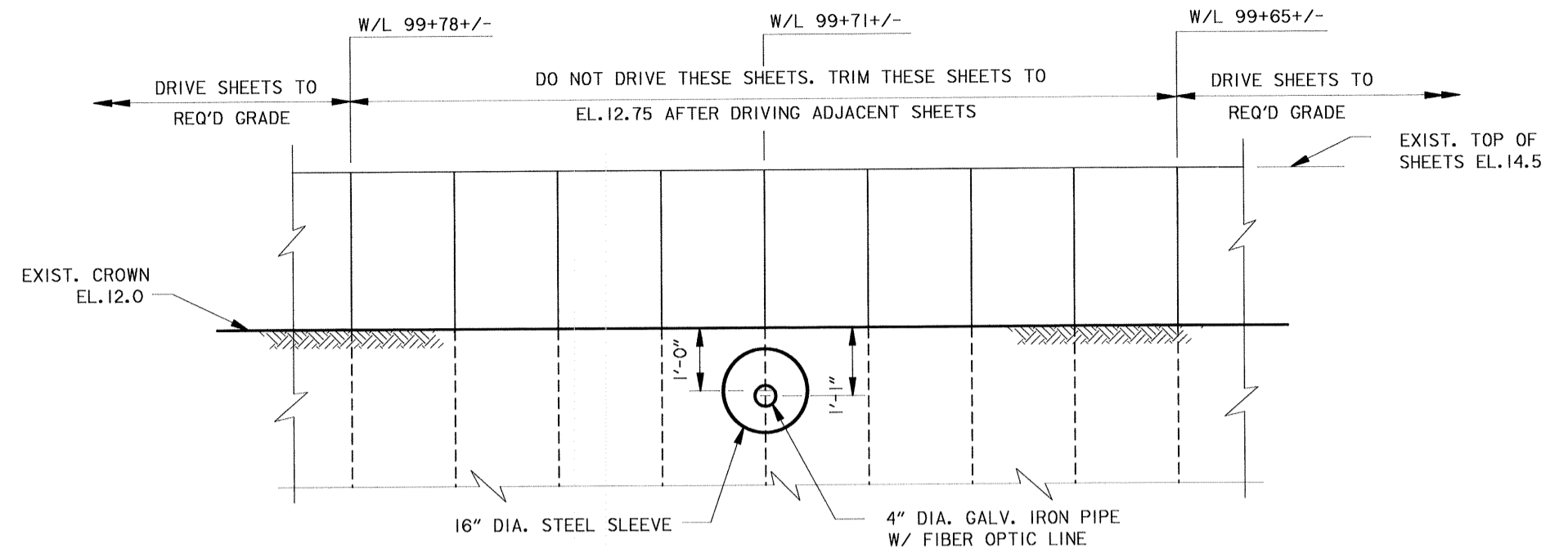
SECTION (B)

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

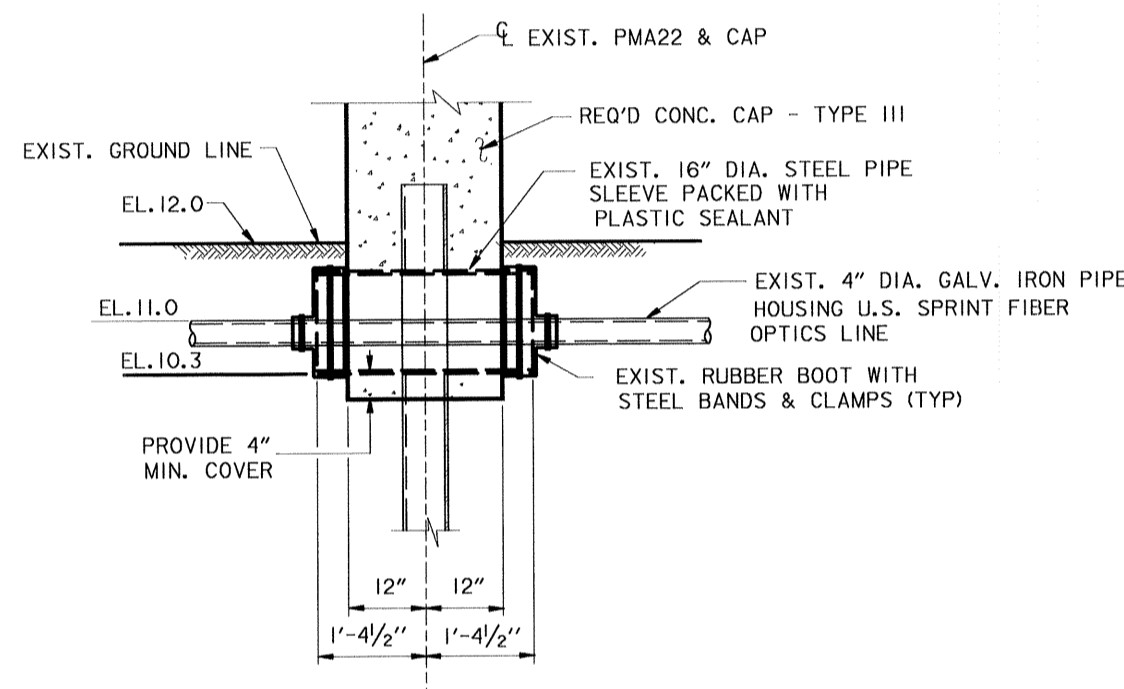


DETAIL (A)

H12 SHOWN - PMA22 SIMILAR
SCALE: 1" = 1'-0"



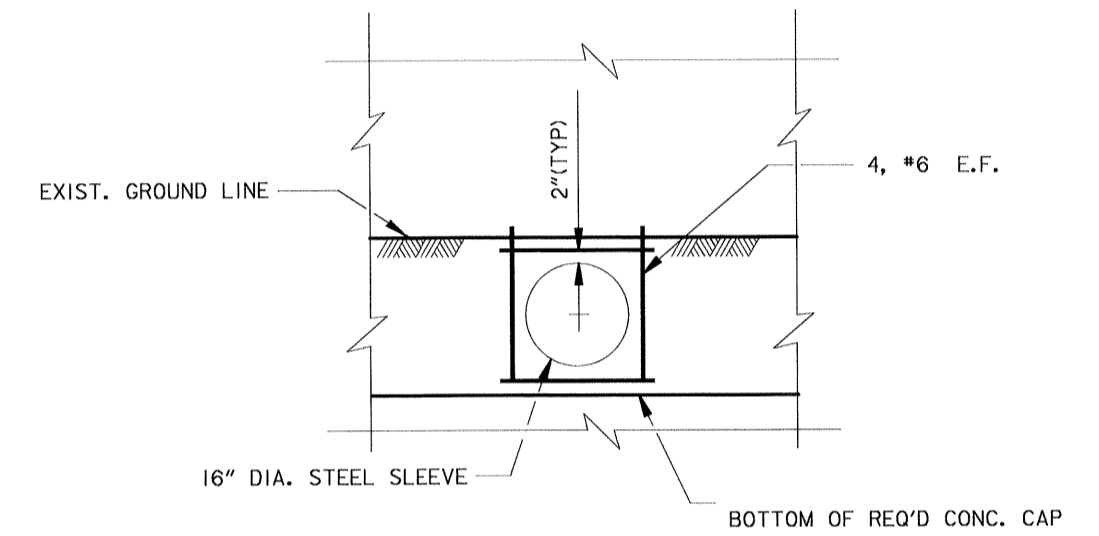
**DETAILS OF SHEET PILE ADJACENT TO
U.S. SPRINT FIBER OPTIC LINE**



**SECTION THRU FLOODWALL
AT U.S. SPRINT LINE
W/L STA. 99+71+/-**

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

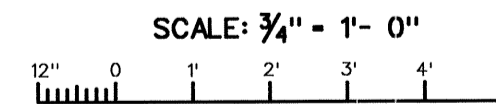
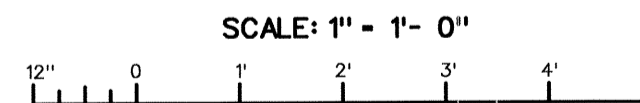
SEE ALSO "DETAILS OF SHEET PILE ADJACENT TO
U.S. SPRINT FIBER OPTIC LINE", AND "REINFORCING
AT U.S. SPRINT FIBER OPTIC LINE", THIS SHEET.



**DETAILS OF REINFORCING AT
U.S. SPRINT FIBER OPTIC LINE**

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

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR TYPICAL CAP SECTIONS, SEE DWG. NO. 8.
FOR LEVEE TYPICAL SECTIONS, SEE DWG. NO. 6.
FOR TYPICAL EXPANSION JOINT DETAILS, SEE
DWGS. NO. 13 & 14



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN

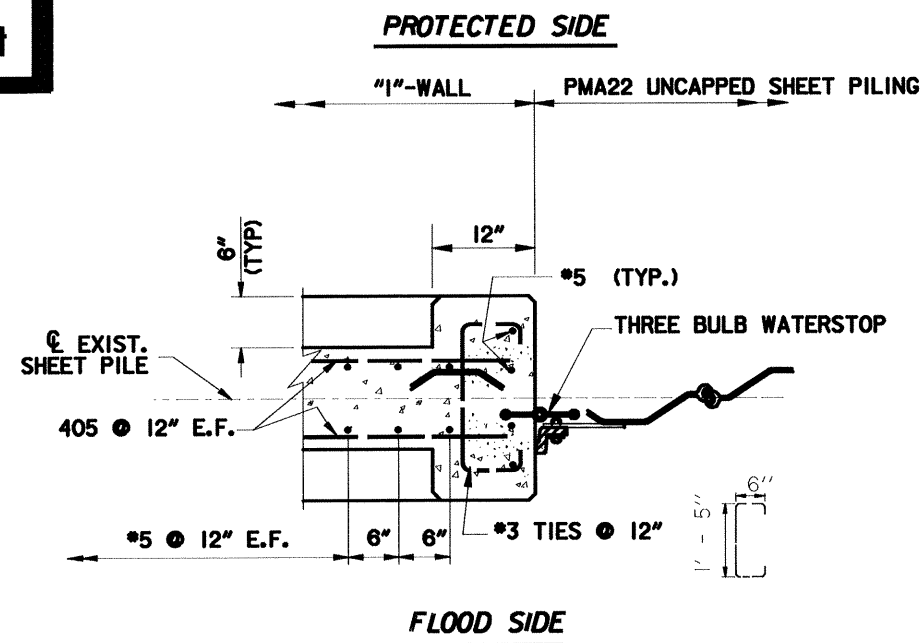
17TH STREET CANAL
EXCAVATION AND FLOODWALL PROTECTION
CAPPING OF FLOODWALLS
EAST SIDE LEVEE IMPROVEMENTS

**JOINT DETAILS AT W/L STA. 126+02.51
AND SPRINT LINE CROSSING DETAILS**

DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 1/2"	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CADD FILE: 40208X10.DGN	FILE NO. H-4-40208	
CHECKED BY: M.L.S.	SUBMITTED BY: M. B. CONWAY	SOLICITATION NO. DAC#29-93-B-0025	DWG. 10 OF 18
	DESIGN ENGINEER		



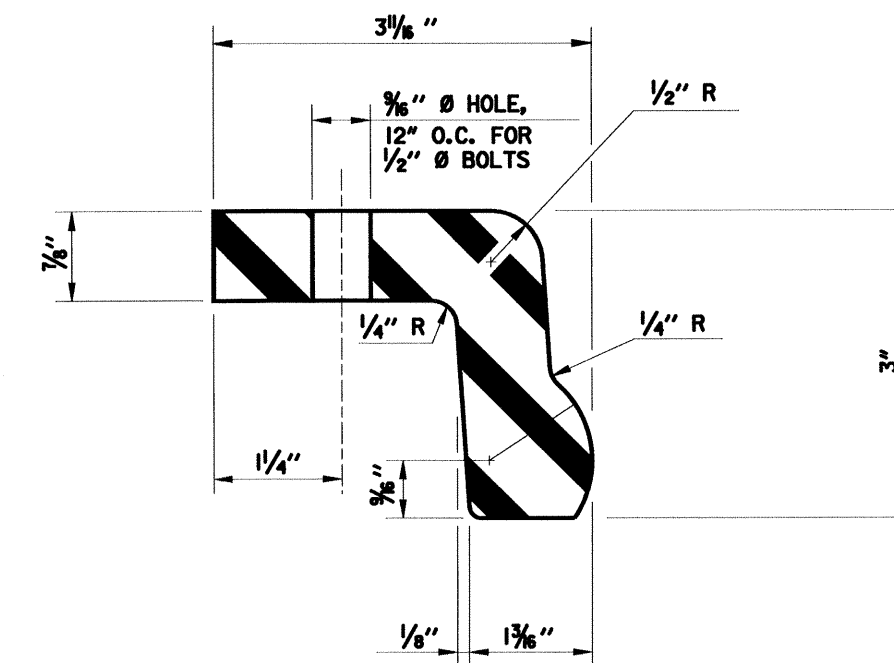
**Safety is a Part
of Your Contract**



**TRANSITION - I-WALL TO UNCAPPED SHEET PILING
TYPICAL REINFORCING - TYPE I I-WALL**

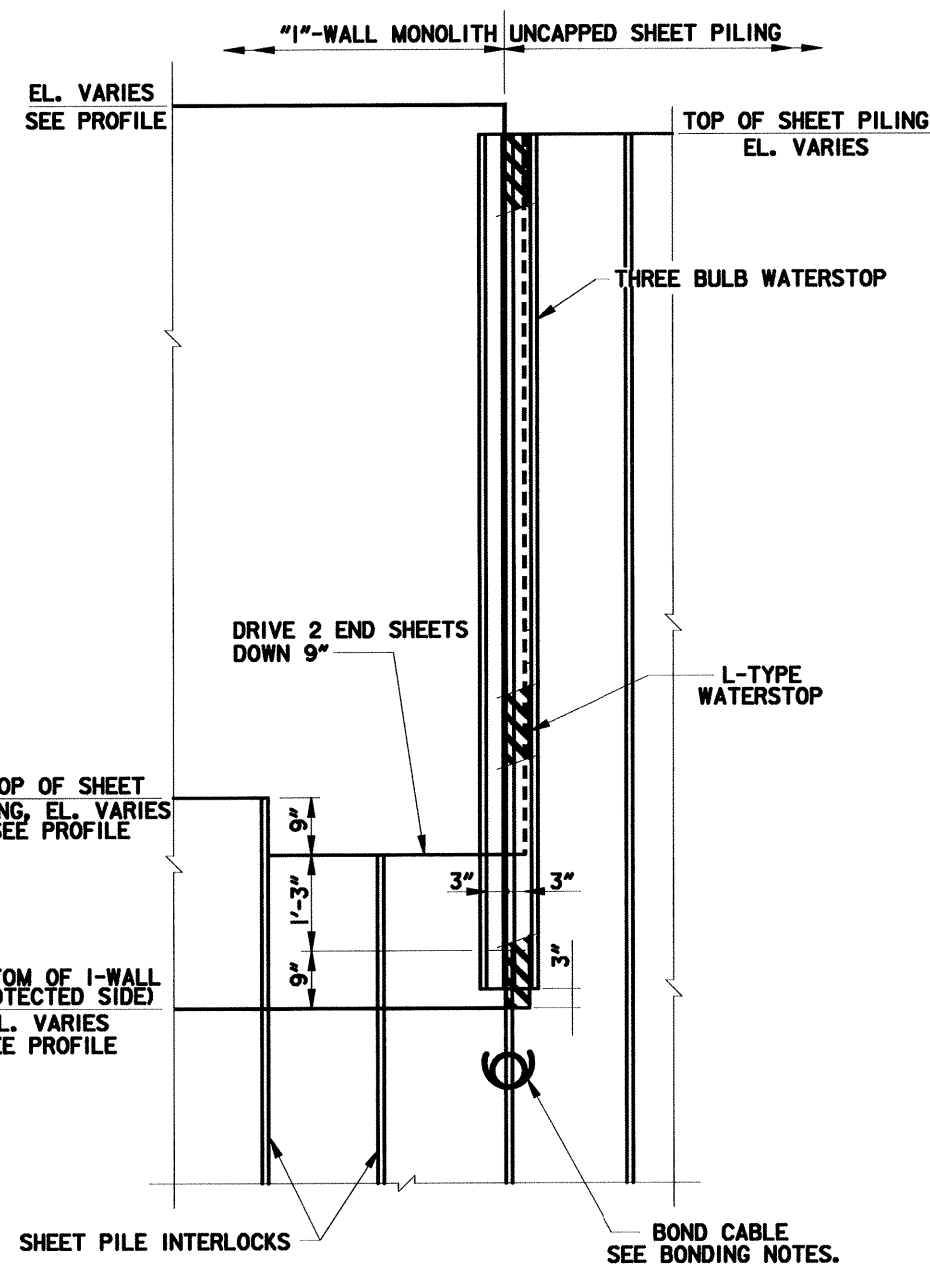
SCALE: 1/2" = 1'-0"

W/L STA.81+74.95 SHOWN, W/L STA.79+87.69 OPP. HAND
W/L STA.9+25.80 SIMILAR EXCEPT H-12 SHEET PILE



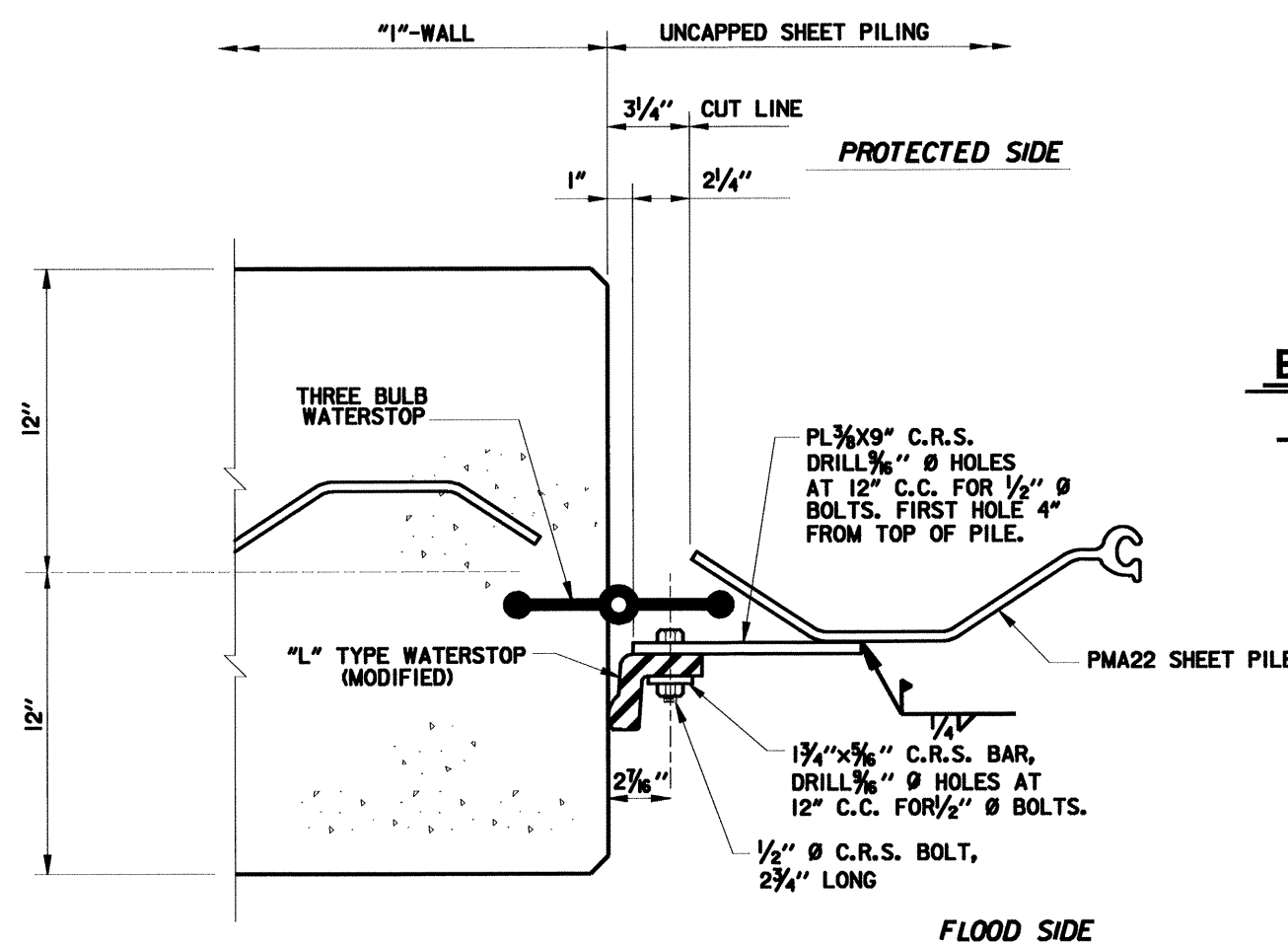
MODIFIED "L" TYPE WATERSTOP

SCALE: 12" = 1'-0"



UNCAPPED SHEET PILING TO "1"-WALL

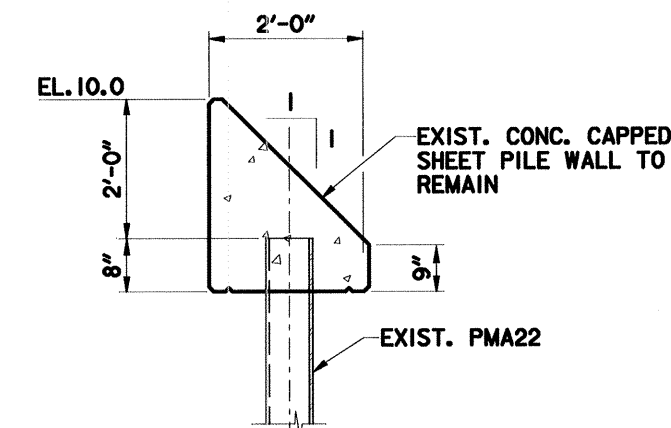
SCALE: 3/4" = 1'-0"



TRANSITION - I-WALL TO UNCAPPED SHEET PILING

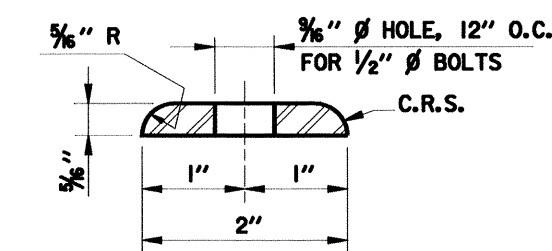
JOINT DETAIL

SCALE: 3" = 1'-0"



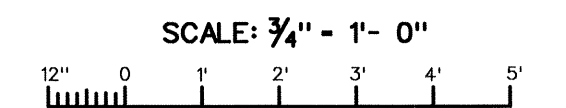
**EXISTING CONCRETE CAPPING
VICINITY VETERANS HWY.**

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



SEAL RETAINING BAR

SCALE: 12" = 1'-0"



SCALE: 3" = 1'-0"

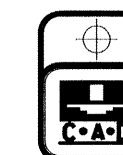


SCALE: 12" = 1'-0"



NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR TYPICAL CAP SECTIONS, SEE DWG. NO.8.
FOR LEVEE TYPICAL SECTIONS, SEE DWGS. 6 & 7.
FOR TYPICAL EXPANSION JOINT DETAILS, SEE DWGS. 13 AND 14.

BONDING NOTES:
INSTALL BOND CABLE AT ALL EXPANSION JOINTS. BOND CABLE SHALL HAVE AN 8 INCH DIAMETER LOOP TO ALLOW FOR STRESSES. BOND CABLES SHALL BE WELDED AS SPECIFIED TO ADJACENT SHEET PILES 3" BELOW BOTTOM OF CONCRETE CAP. WELDED CONNECTIONS SHALL BE COATED WITH SPLICING EPOXY TO OBTAIN MOISTURE PROOF JOINT. SEE SPECIFICATIONS, "CATHODIC PROTECTION".



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

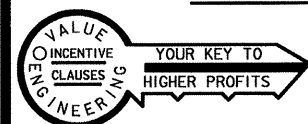
BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN

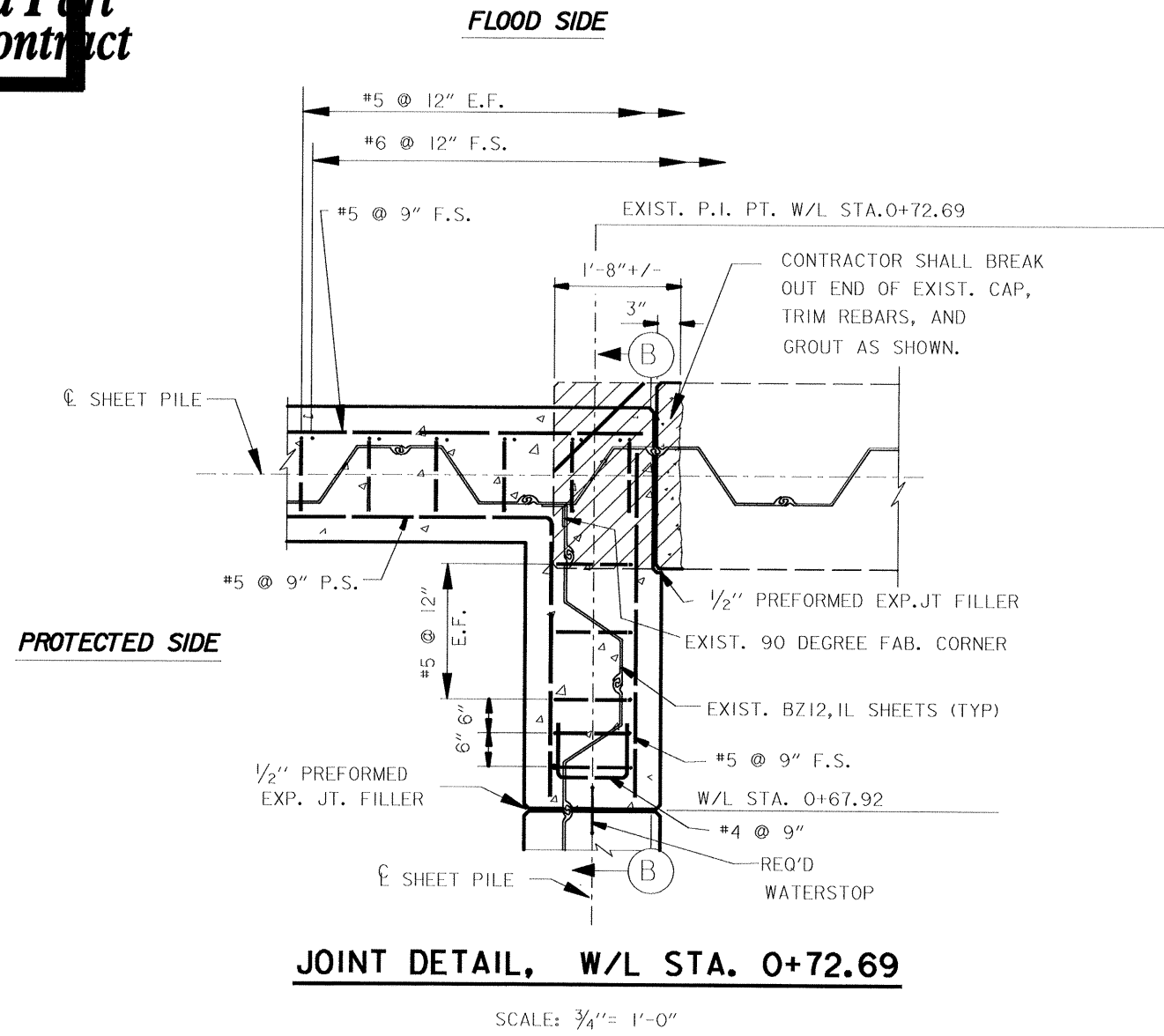
**17TH STREET CANAL
EXCAVATION AND FLOODWALL PROTECTION
CAPPING OF FLOODWALLS
EAST SIDE LEVEE IMPROVEMENTS**

TYPICAL JOINT DETAILS

DESIGNED BY: B. GRUBB	DATE: MAR. 1993	PLOT SCALE: 16	PLOT DATE: APR 1993
DRAWN BY: B. DORCEY	CADD FILE: 4020821.DGN	FILE NO. H-4-40208	
CHECKED BY: J. ROMERO	SUBMITTED BY: J. ROMERO	SOLICITATION NO. DACW29-93-B-0025	DWG. 11 OF 16
DESIGN ENGINEER			

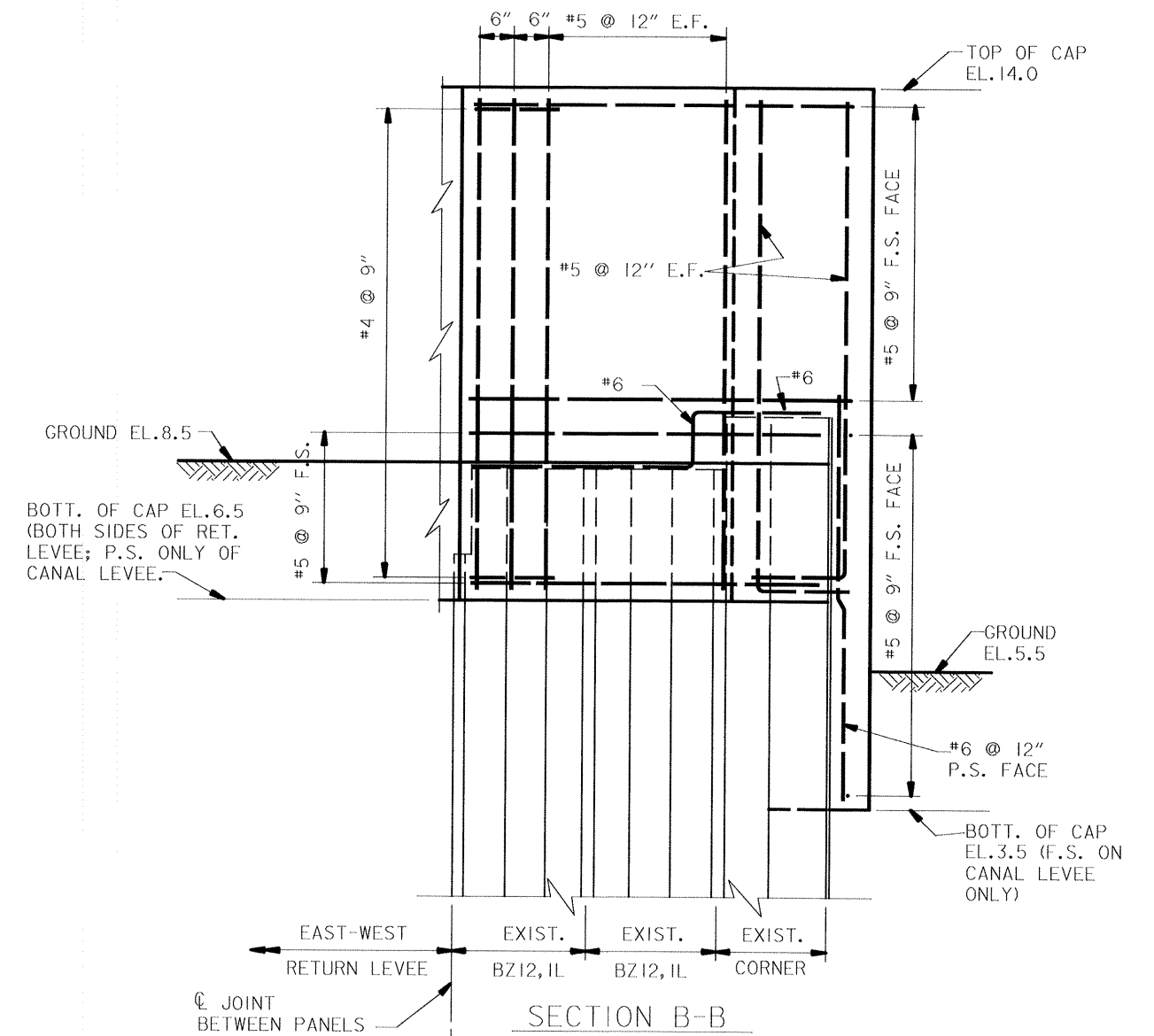


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JOINT DETAIL, W/L STA. 0+72.69

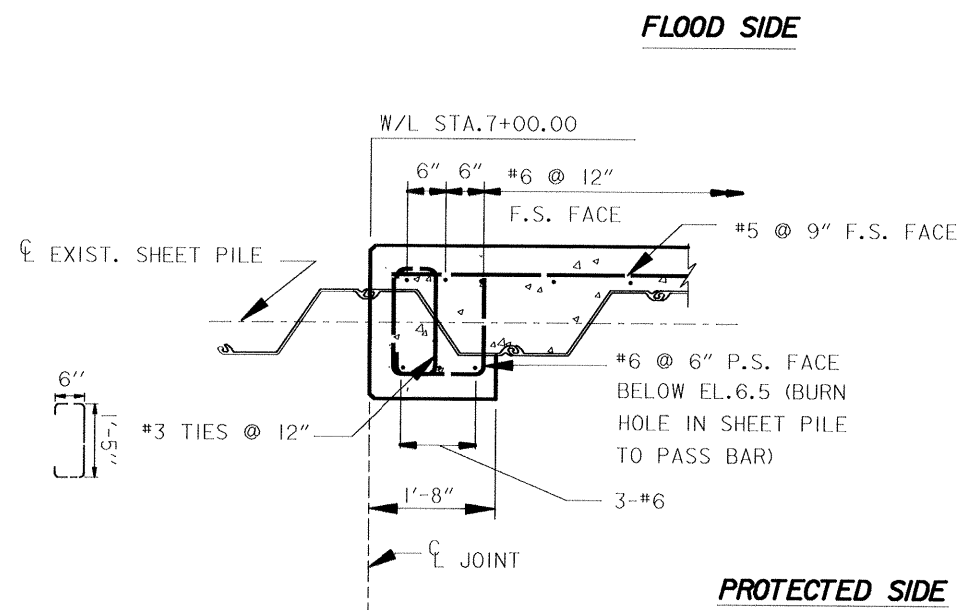
SCALE: 3/4" = 1'-0"



SECTION B-B

FOR DETAILS OF DRIVING SHEET PILE AT EXPANSION JOINTS, SEE DWGS. 13 & 14.

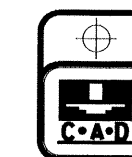
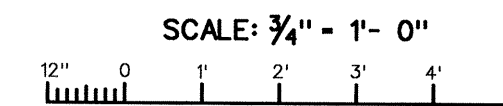
SCALE: 3/4" = 1'-0"



TYPICAL JOINT REINFORCING

W/L 7+00.00 SHOWN
W/L STA. 9+25.80 OPP. HAND
W/L STA. 81+74.95 OPP. HAND AND PMA-22 SHEET PILE
W/L STA. 79+87.69 SIMILAR EXCEPT PMA-22 SHEET PILE
SCALE: 3/4" = 1'-0"

- NOTES:**
- FOR GENERAL NOTES, SEE DWG. NO. 2.
 - FOR TYPICAL CAP SECTIONS, SEE DWG. NO. 8.
 - FOR LEVEE TYPICAL SECTIONS, SEE DWGS. 6 & 7.
 - FOR TYPICAL EXPANSION JOINT DETAILS, SEE DWGS. 13 & 14.
 - CONTRACTOR SHALL FORM P.I. POINTS IN CONCRETE WALL AS REQUIRED BY ALIGNMENT OF SHEET PILE.



SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

LAKE PONCHARTRAIN, LA. AND VICINITY
HIGH LEVEL PLAN
17TH STREET CANAL
EXCAVATION AND FLOODWALL PROTECTION
CAPPING OF FLOODWALLS
EAST SIDE LEVEE IMPROVEMENTS

MISC. JOINT DETAILS

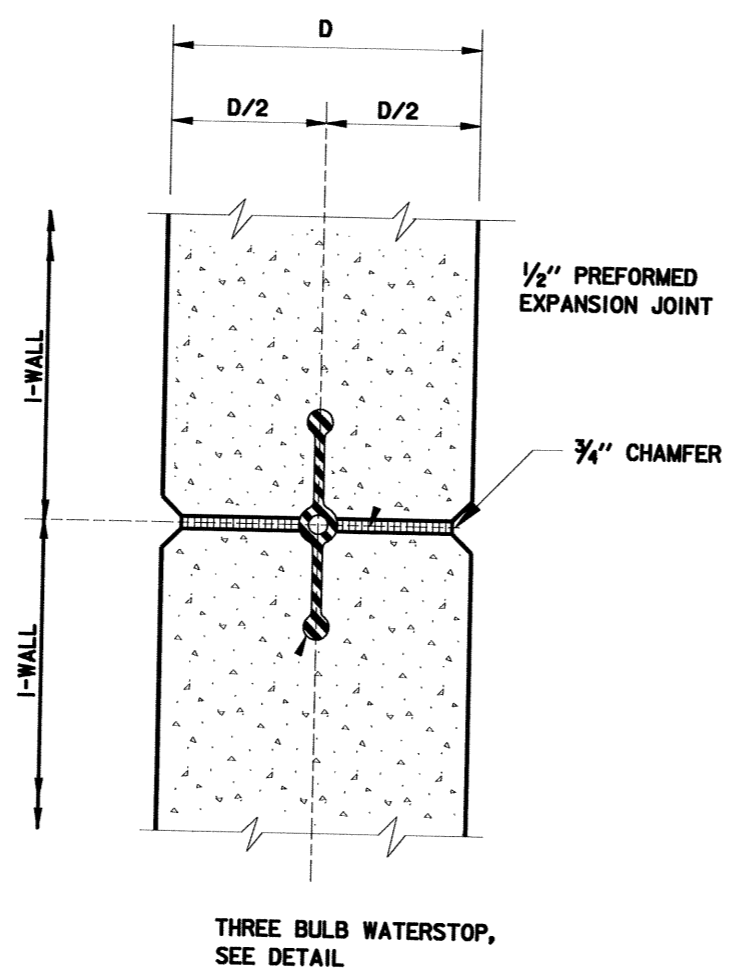
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 16	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CADD FILE: 40208X12.DGN	FILE NO. H-4-40208	
CHECKED BY: M.L.S.	SUBMITTED BY: W. R. CONWAY	SOLICITATION NO. DACW29-93-B-0025	
SUBMITTED BY: W. R. CONWAY		DWG. 12 OF 16	



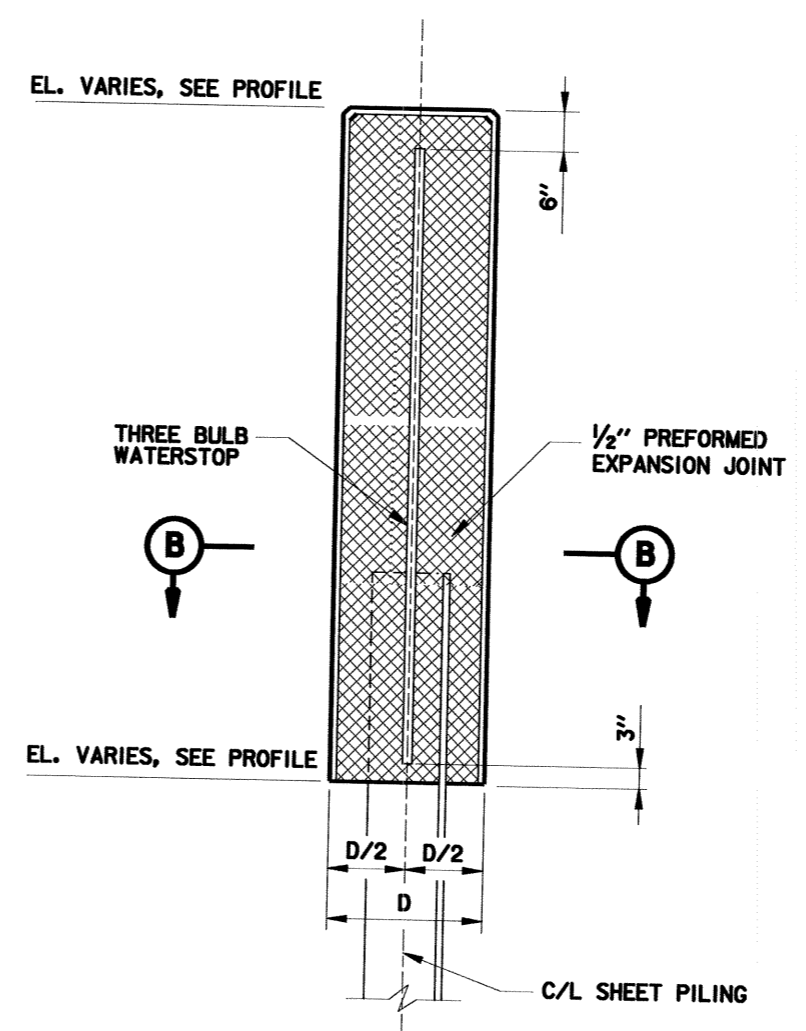
Safety is a Part of Your Contract

SETTLEMENT REFERENCE MARKER SCHEDULE		
S.R.M. NO.	W/L STATION * (C/L MONOLITH JOINT)	ELEVATION **
1	126+02.51 ***	11.33
2 TO 7	124+47.41 TO 118+25.95 (EVERY 124.29' OR 4 MONO.)	11.33
8 TO 17	116+39.51 TO 99+61.57 (EVERY 186.44' OR 6 MONO.)	12.33
18	97+75.13 ***	12.33
19	94+17.86 ***	9.83
20, 21	92+62.50 AND 91+07.14	9.83
22	89+20.70	8.25
22 - 26	89+20.70 TO 83+30.31 (EVERY 186.44' OR 6 MONO.)	8.25
27	81+74.95 ***	8.25
28	79+87.89 ***	7.25
29 - 33	77+70.18 TO 70+24.43 (EVERY 186.44' OR 6 MONO.)	7.25
34 - 65	67+82.02 TO 11+67.15 (EVERY 181.125' OR 6 MONO.)	6.25
66	9+25.80 ***	6.25
67	7+00.00 ***	8.83
68 - 71	6+39.63 TO 0+96.27 (EVERY 181.125' OR 6 MONO.)	8.83
72	0+37.73 ***	8.83

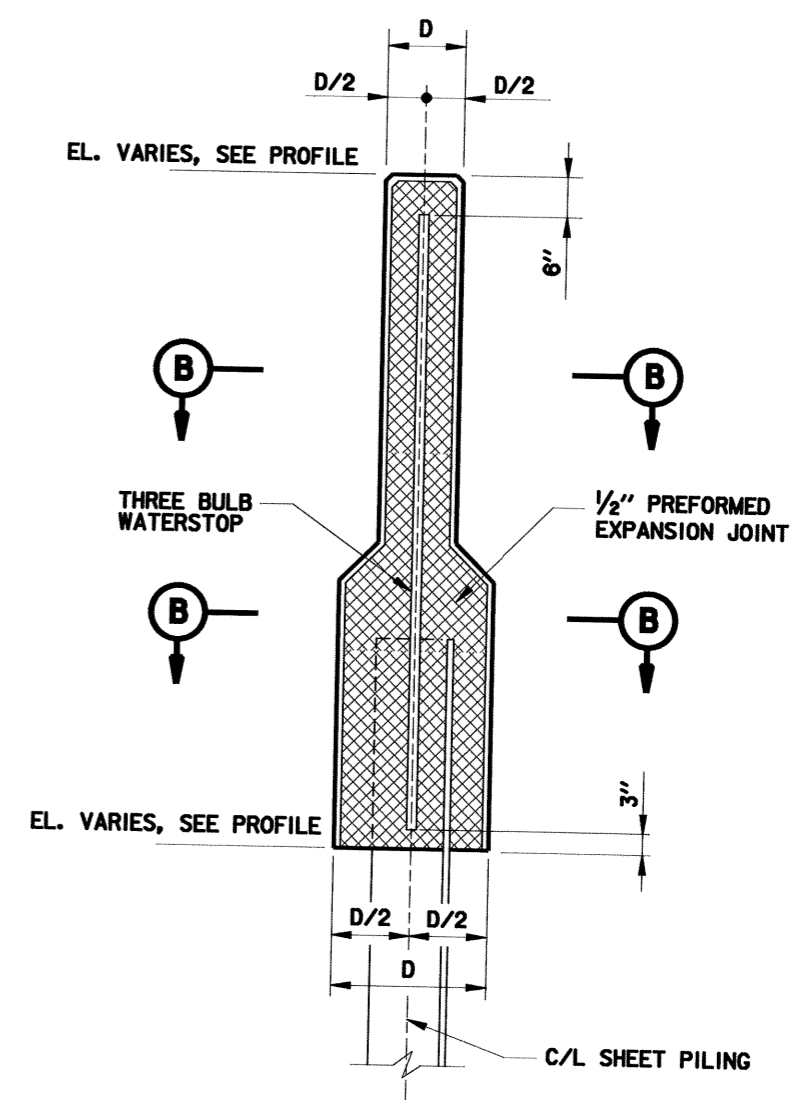
* W/L STATIONS ARE APPROXIMATE. LOCATE REFERENCE BOLTS AT NEAREST W/L STATION TO THOSE SHOWN.
 ** NOTE: THE CONTRACTOR SHALL TAKE FINAL ELEVATIONS OF ALL SETTLEMENT REFERENCE MARKERS AND SHALL SUBMIT THIS DATA TO THE CONTRACTING OFFICER REPRESENTATIVE (COR). THE COR WILL FURNISH THIS DATA TO ENGINEERING DIVISION, ATTENTION OF: CELMN-ED-DD.
 *** ONLY ONE (1) SETTLEMENT REFERENCE MARKER REQUIRED



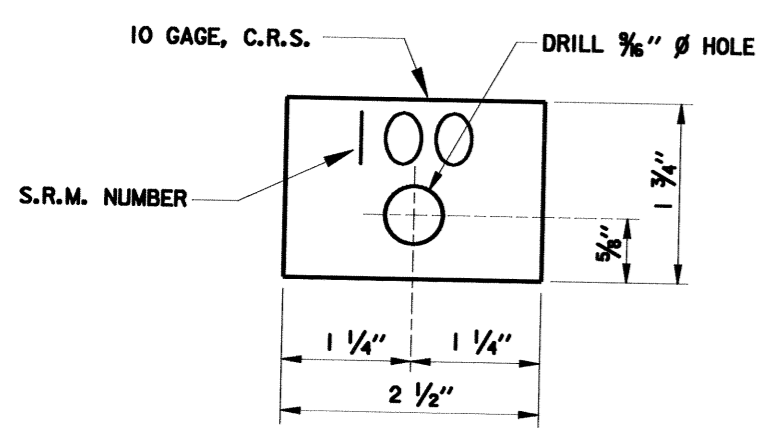
SECTION B
SCALE: 3" = 1' - 0"



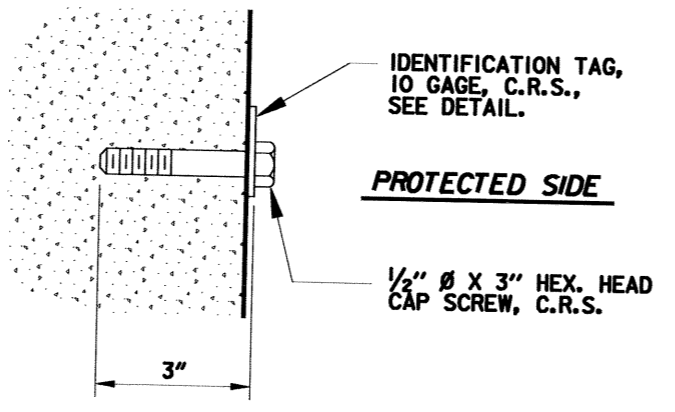
TYPICAL TYPE II AND III I-WALL JOINT
SCALE: 3/4" = 1' - 0"



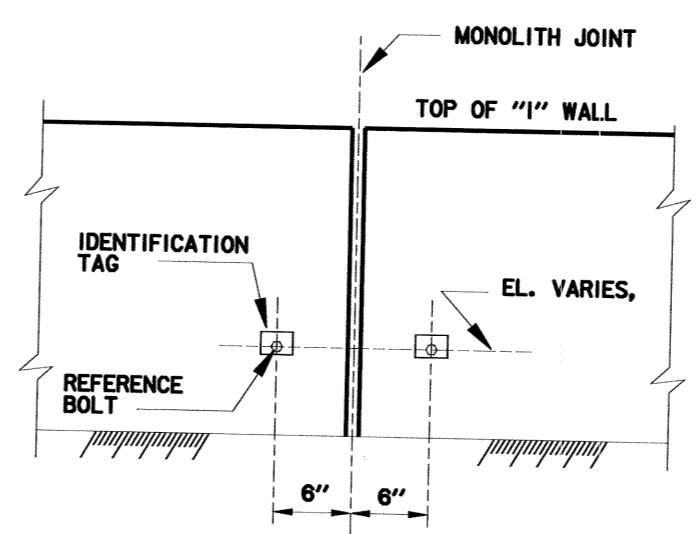
TYPICAL TYPE I I-WALL JOINT
SCALE: 3/4" = 1' - 0"



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



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



TYPICAL ELEVATION OF SETTLEMENT REFERENCE MARKER
SCALE: 3/4" = 1' - 0"

NOTES:
 FOR GENERAL NOTES, SEE DWG. NO. 2.
 FOR TYPICAL CAP SECTIONS, SEE DWG. NO. 8.
 FOR LEVEE TYPICAL SECTIONS, SEE DWGS. 6 & 7.
 CONTRACTOR SHALL FORM P.I. POINTS IN CONCRETE WALL AS REQUIRED BY ALIGNMENT OF SHEET PILE.
 PANEL LENGTHS SHOWN ARE BASED ON THEORETICAL DIMENSIONS. IN-PLACE DIMENSIONS WILL VARY. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS PRIOR TO FABRICATING FORMS.

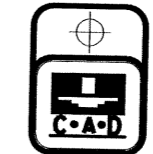
SYMBOL	DESCRIPTION	DATE	APPROVED

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

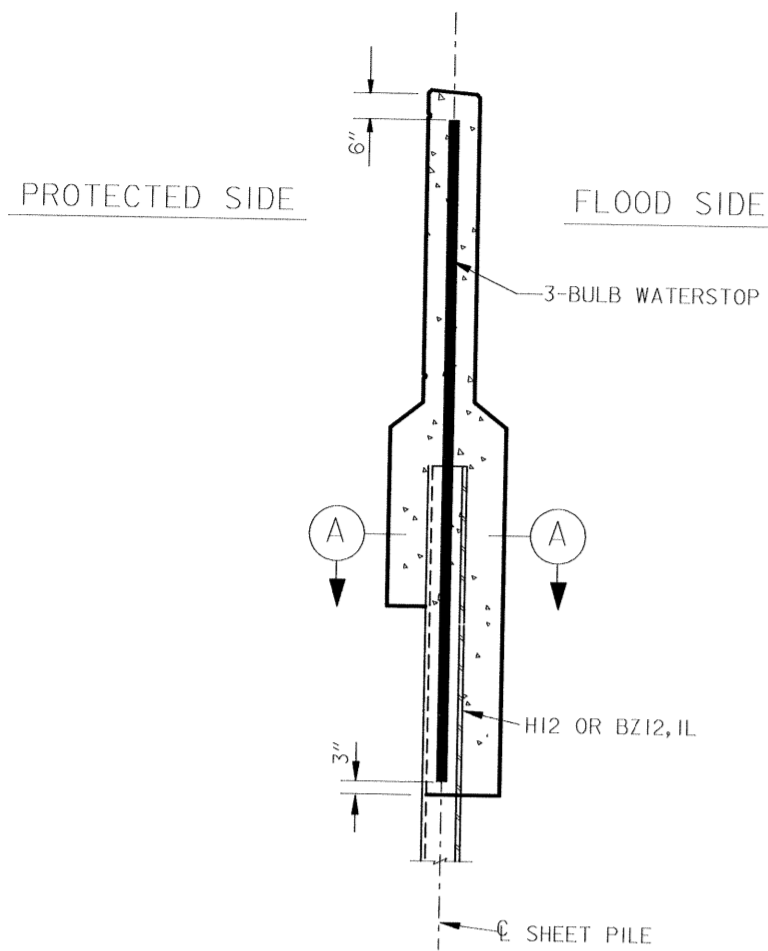
BOARD OF LEVEE COMMISSIONERS
 ORLEANS LEVEE DISTRICT
 NEW ORLEANS, LOUISIANA
 LAKE PONCHARTRAIN, LA. AND VICINITY
 HIGH LEVEL PLAN
 17TH STREET CANAL
 EXCAVATION AND FLOODWALL PROTECTION
 CAPPING OF FLOODWALLS
 EAST SIDE LEVEE IMPROVEMENTS

MISC. JOINT DETAILS

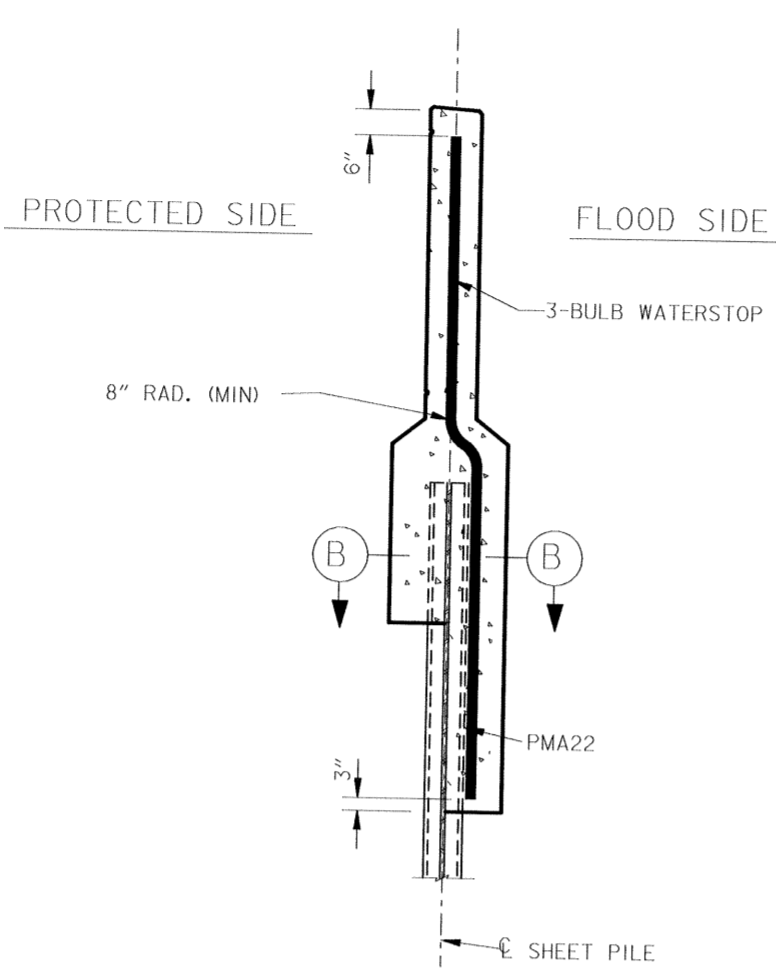
DESIGNED BY: R.J.G.	DATE: NOV. 1992	PLOT SCALE: 16	PLOT DATE: APR 1993
DRAWN BY: R.J.G.	CHECKED BY: R.J.G.	CADD FILE: 40208A12.DGN	FILE NO. H-4-40208
SUBMITTED BY: ROBERT J. GRUBB DESIGN ENGINEER	SOLICITATION NO. DACW29-93-B-0025	DWG. 13 OF 16	



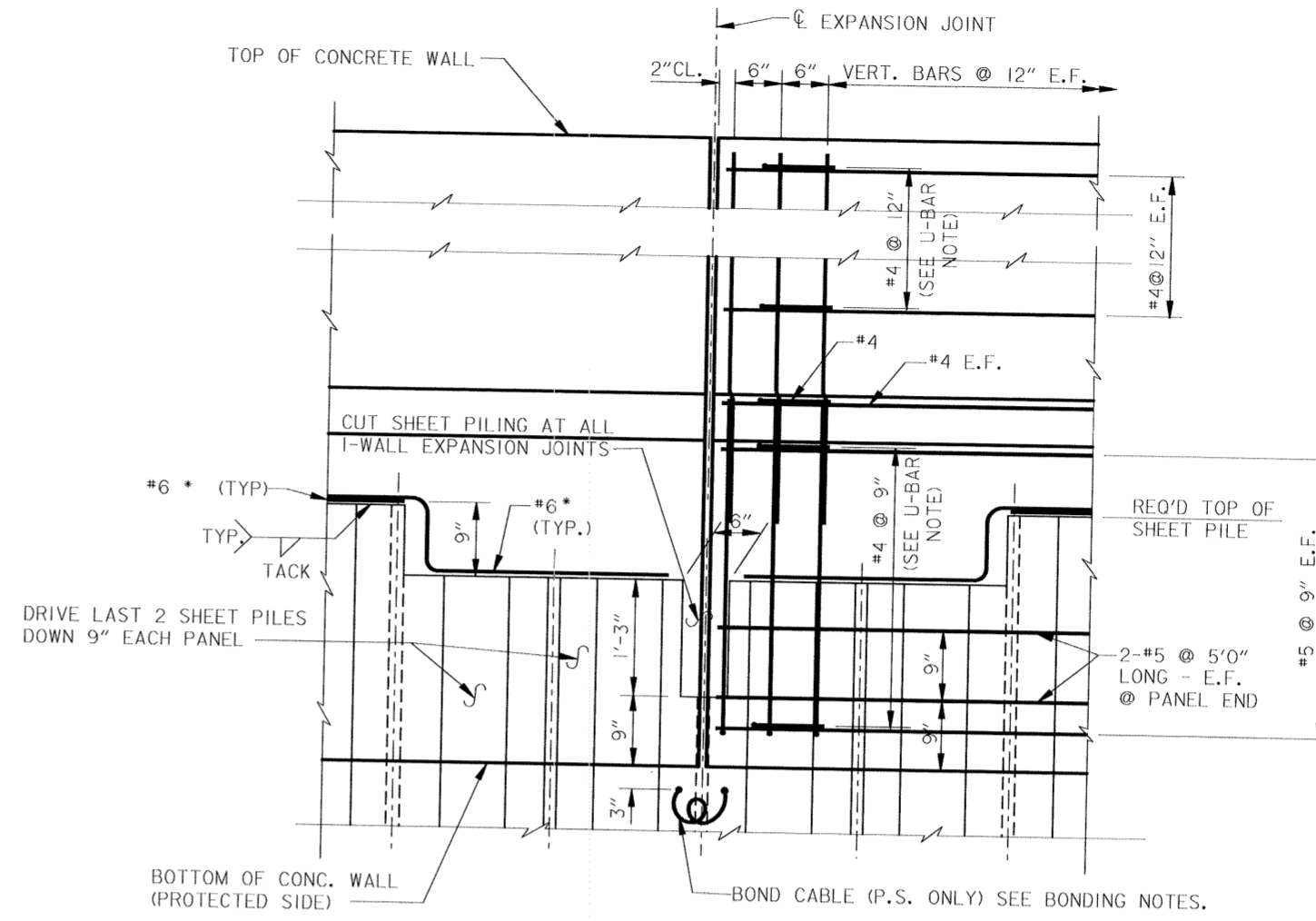
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SECTION @ EXPANSION JOINT
HI2 OR BZ12, IL SHEETING
TYPE I WALL SHOWN, TYPE II & III SIMILAR
SCALE: 1/2" = 1'-0"



SECTION @ EXPANSION JOINT
PMA22 SHEETING
TYPE I WALL SHOWN, TYPE II & III SIMILAR
SCALE: 1/2" = 1'-0"



SHEET PILING AND REINFORCING DETAILS AT EXPANSION JOINTS
SCALE: 1" = 1'-0"

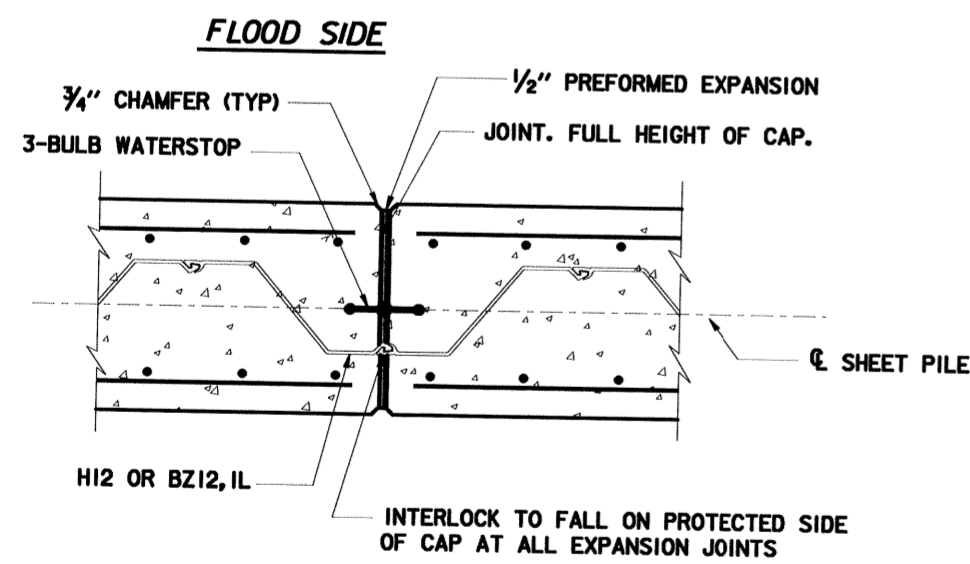
U-BAR NOTE (406,403):

#4 ONLY FOR TYPE I PANELS AS SHOWN.
#4 SHALL BE USED AS SHOWN FOR TYPE I
PANELS AND SHALL BE USED FOR TYPE II AND
TYPE III PANELS FROM P.S. BOTTOM OF CONCRETE
TO TOP OF CONCRETE.
U-BARS SHALL NOT BE USED BELOW P.S. BOTTOM
OF CONCRETE.

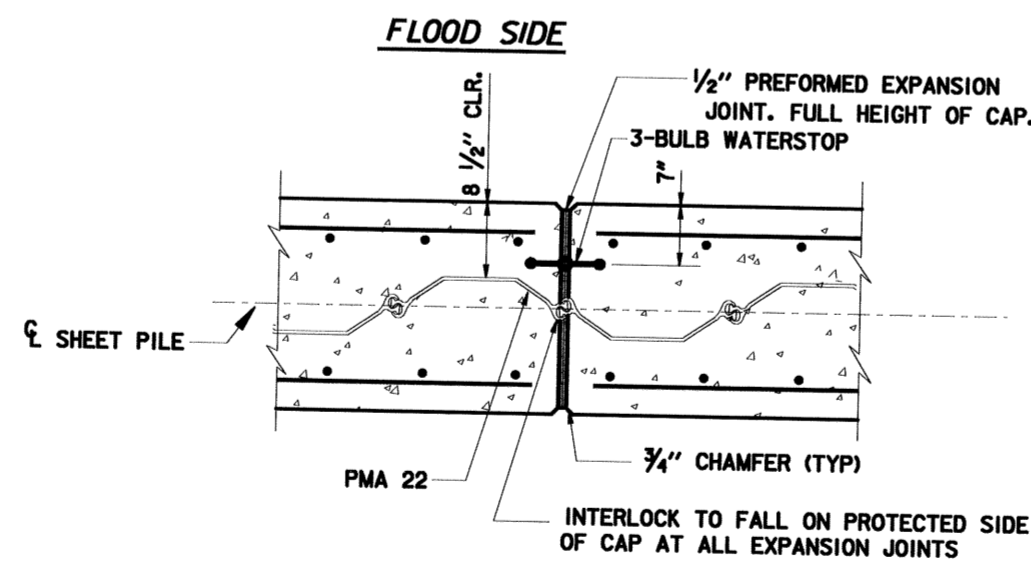
* SHOWN FOR HI2 OR BZ12, IL,
PMA22 SIMILAR EXCEPT TACK
WELD LOCATED AT KNUCKLE.
SEE BONDING NOTES.

BONDING NOTES:

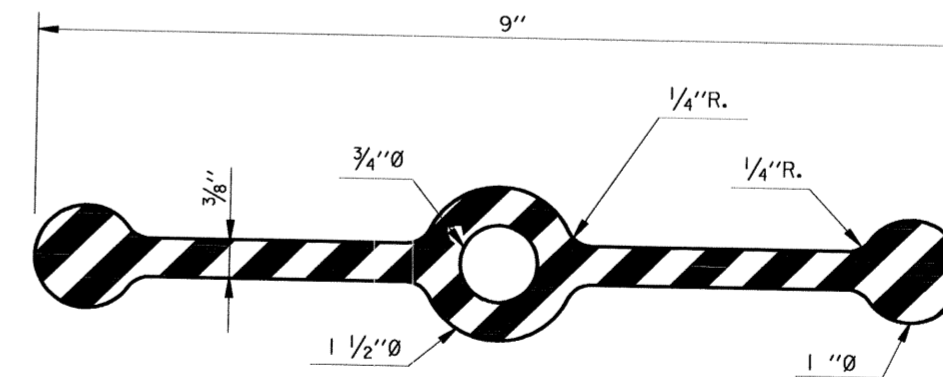
#6 REINFORCING BAR TO BE WELDED TO THE TOP OF
EACH STEEL SHEET PILE. #6 REINFORCING BAR SHALL
NOT EXTEND ACROSS THE EXPANSION JOINT. INSTALL
BOND CABLE AT ALL EXPANSION JOINTS.
BOND CABLE SHALL HAVE AN 8" DIAMETER LOOP TO
ALLOW FOR STRESSES.
BOND CABLES SHALL BE WELDED AS SPECIFIED TO
ADJACENT STEEL PILES 3" BELOW BOTTOM OF CONCRETE
CAP.
WELDED CONNECTIONS SHALL BE COATED WITH SPLICING
EPOXY TO OBTAIN MOISTURE PROOF JOINT. SEE
SPECIFICATIONS "CATHODIC PROTECTION".
#6 REINFORCING BARS SHALL BE WELDED TO
THE LAST THREE SHEET PILING AT EACH END OF THE
MONOLITH AS SHOWN FOR CONTINUITY.
SPLICING OF #6 REINFORCING BAR WILL NOT BE
ALLOWED.



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



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



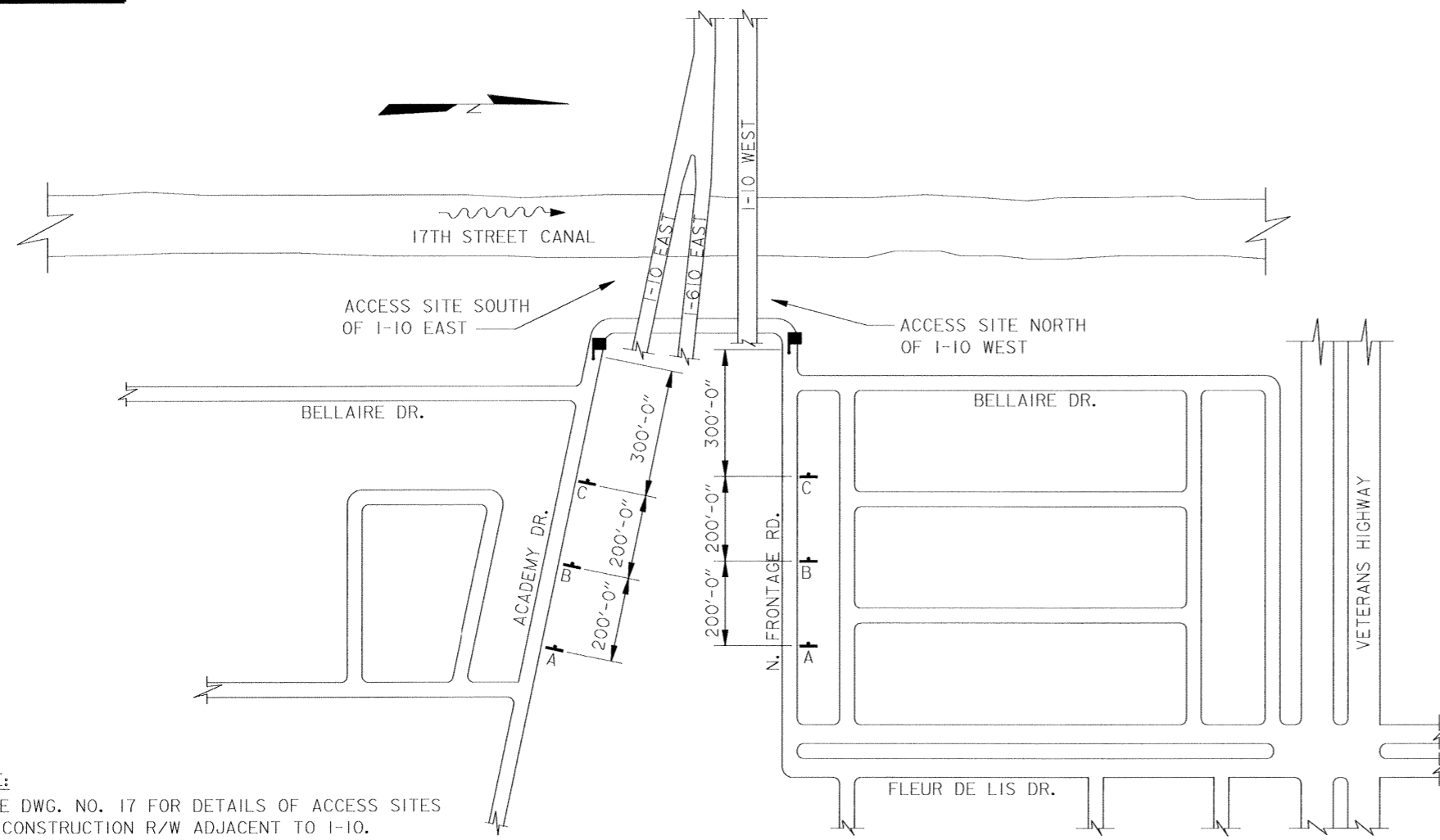
THREE BULB WATERSTOP
SCALE: 12" = 1'-0"

NOTES
FOR GENERAL NOTES, SEE DWG. NO. 2

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS FLOODWALL CAP MISC. JOINT DETAILS			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 24	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CADD FILE: 40208X1.DGN	FILE NO. H-4-40208	
CHECKED BY: M.L.S.	SOLICITATION NO. DACW29-93-B-0025		
SUBMITTED BY: W. B. CONWAY MODJESKI & MASTERS Inc. DESIGN ENGINEER		DWG. 14 OF 16	

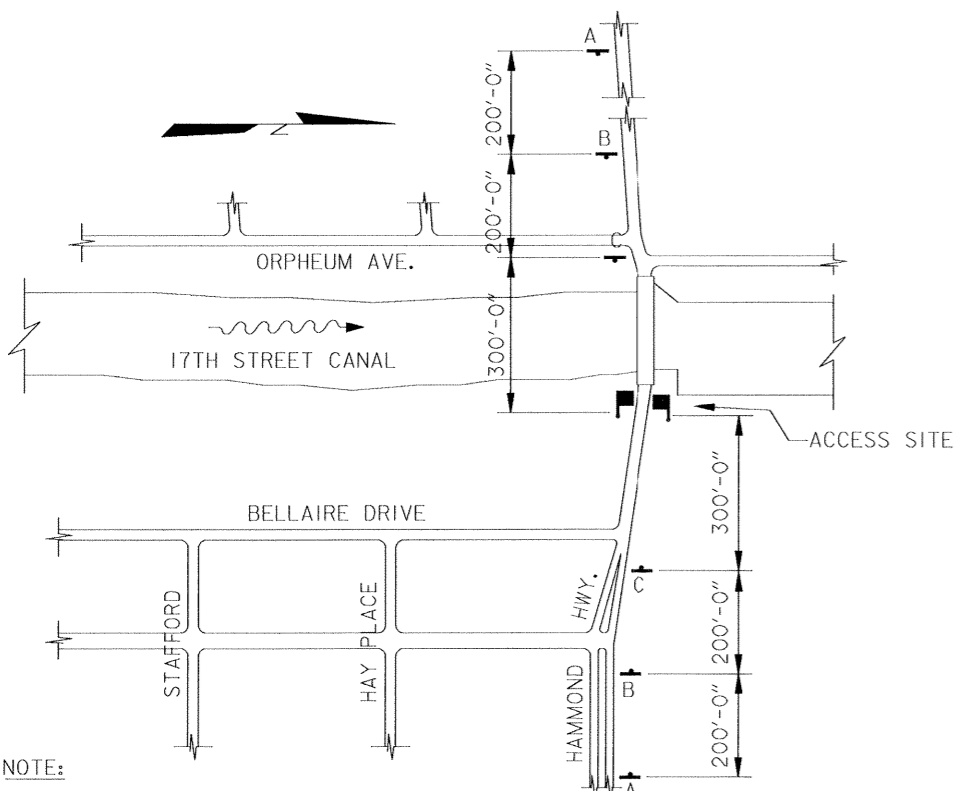


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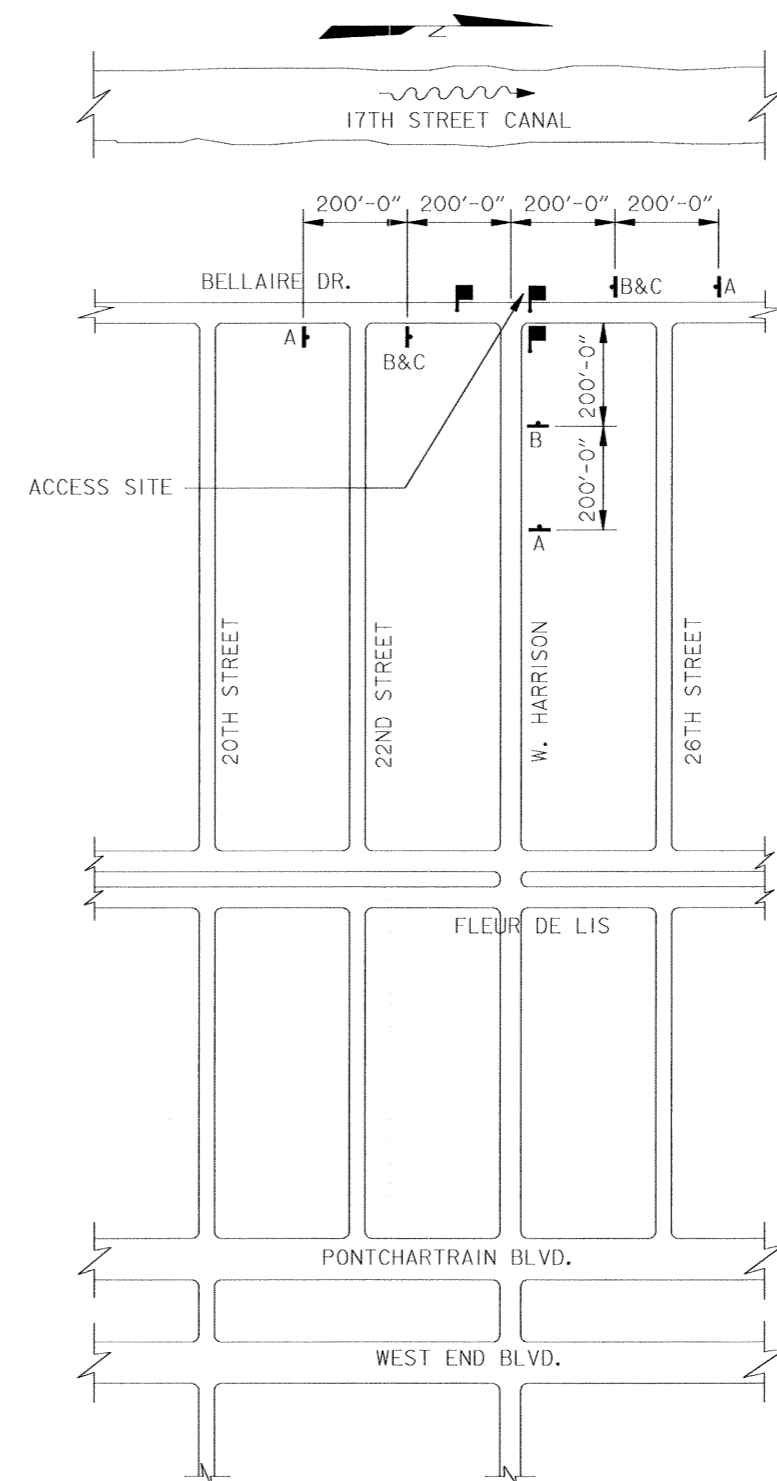
NOTE:
SEE DWG. NO. 17 FOR DETAILS OF ACCESS SITES AND CONSTRUCTION R/W ADJACENT TO I-10.

SIGNING PLAN -
ADJACENT TO I-10
SCALE: 1" = 200'-0"



NOTE:
SEE DWG. NO. 5 FOR DETAILS OF CONSTRUCTION R/W.

SIGNING PLAN -
DURING OPERATIONS NORTH OF HAMMOND HWY.
SCALE: 1" = 200'-0"



NOTE:
SEE DWG. NO. 4 FOR DETAILS OF CONSTRUCTION R/W.

SIGNING PLAN -
WEST HARRISON AVENUE
SCALE: 1" = 200'-0"

LEGEND:

- A = CONSTRUCTION AHEAD
- B = TRUCKS ENTERING ROAD
- C = 300 FEET
- = FLAGGER

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
ALL ADVANCE FLAGGER SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER FLAGGERS ARE NOT AT THEIR STATIONS.
FLAGGERS SHALL BE POSTED WHENEVER THERE IS TRUCK ACTIVITY AT THE ACCESS SITE.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			

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

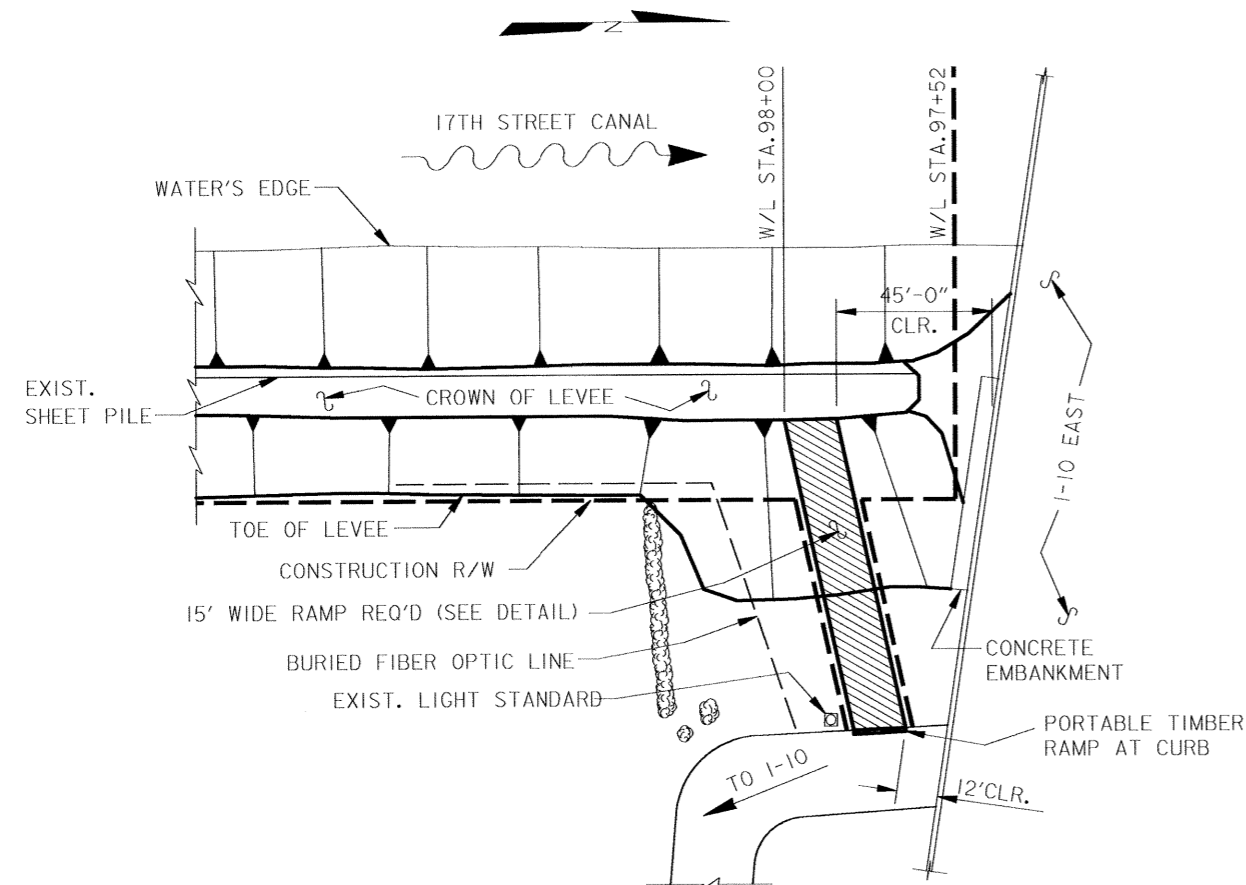
BOARD OF LEVEE COMMISSIONERS
ORLEANS LEVEE DISTRICT
NEW ORLEANS, LOUISIANA

LAKE PONTCHARTRAIN, L.A. AND VICINITY
HIGH LEVEL PLAN
17TH STREET CANAL
EXCAVATION AND FLOODWALL PROTECTION
CAPPING OF FLOODWALLS
EAST SIDE LEVEE IMPROVEMENTS
ACCESS SITES AND TRAFFIC CONTROL-1

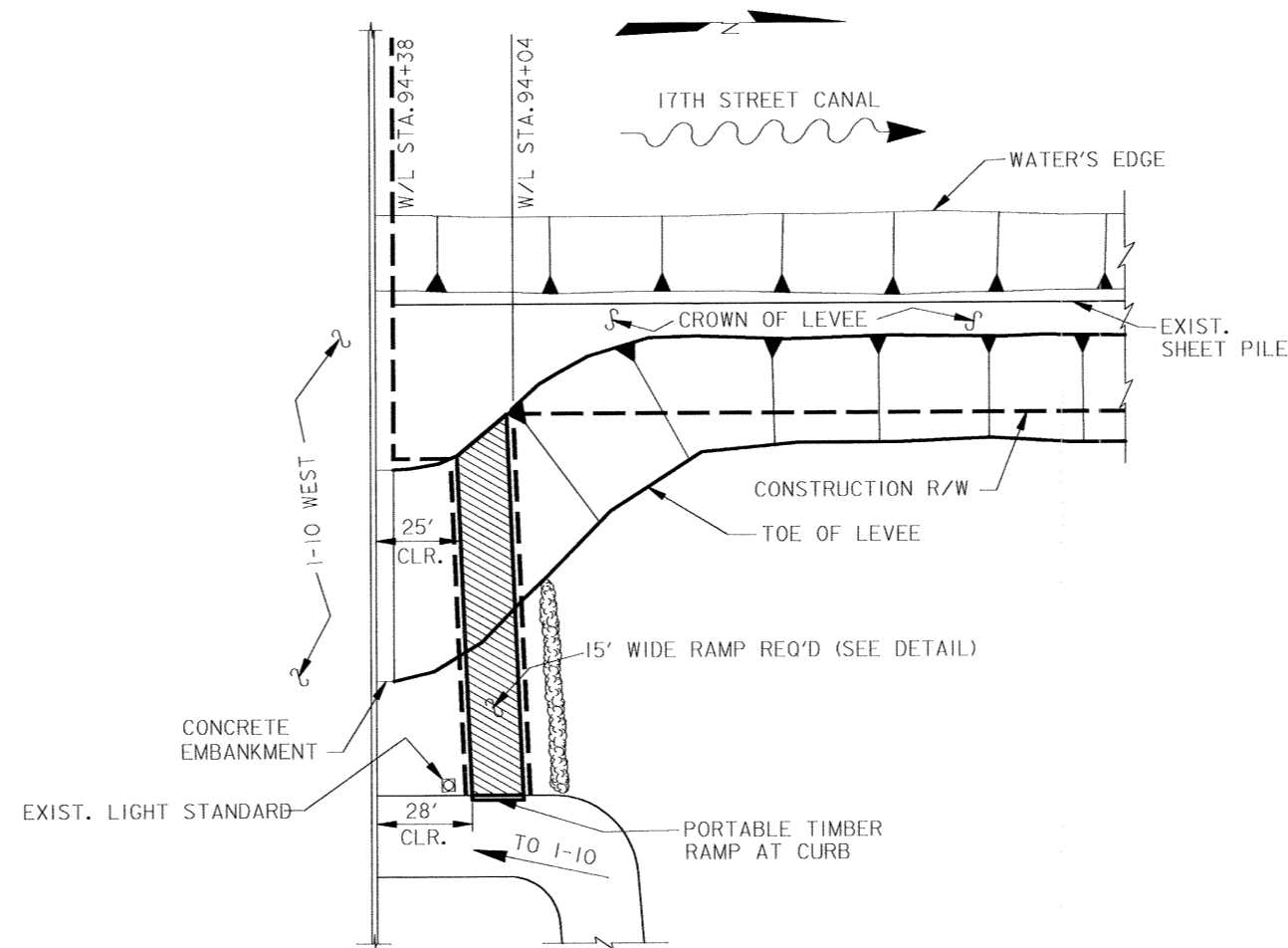
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 2400	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.	CADD FILE: 4020R16.DGN	FILE NO. H-4-40208
SUBMITTED BY: W.B. CONWAY	SOLICITATION NO. DACW29-93-B-0025	DWG. 15 OF 16	



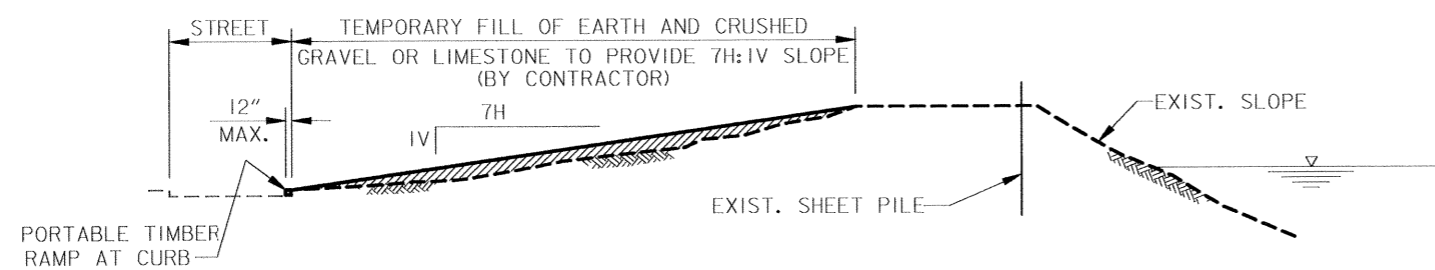
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DETAILS - ACCESS SITE SOUTH OF I-10 EAST
SCALE: 1" = 30'-0"



DETAILS - ACCESS SITE NORTH OF I-10 WEST
SCALE: 1" = 30'-0"

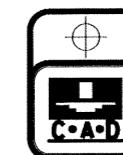


ACCESS RAMP DETAIL
SCALE: 1" = 20'-0"

RAMP ADJACENT TO I-10 SHOWN (STA. 98+00 AND STA. 94+04)
RAMP AT W. HARRISON AVE. LOT (STA. 59+00) SIMILAR.
SEE SPECIAL CLAUSE "ACCESS AND TRUCKING REQUIREMENTS",
PART C, "ACCESS RAMPS".

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.

SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MOLJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS ACCESS SITES AND TRAFFIC CONTROL - 2			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 360	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CADD FILE: 4020RKT.DGN	FILE NO. H-4-40208	
CHECKED BY: M.L.S.	SUBMITTED BY: B. B. CONWAY MODJESKI & MASTERS INC. DESIGN ENGINEER		
SOLICITATION NO. DAC#29-93-B-0025		DWG. 16 OF 16	



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT 1. CONTRACT ID CODE PAGE OF PAGES
1 8

2. AMENDMENT/MODIFICATION NO. 0002	3. EFFECTIVE DATE 05/28/93	4. REQUISITION/PURCHASE REQ. NO. ED0000-3336-0063	5. PROJECT NO. (If applicable) dkn
6. ISSUED BY US ARMY ENGR DIST NEW ORLEANS PO BOX 60267 NEW ORLEANS LA 70160-0267 Molly M. Block		7. ADMINISTERED BY (If other than Item 6) US ARMY ENGR DIST, NEW ORLEANS ATTN CELMN-CT PO BOX 60267 NEW ORLEANS LA 70160-0267	
CODE ISSUE1		CODE ADMIN1	
SC2 (504)862-2879			

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	<input checked="" type="checkbox"/>	9A. AMENDMENT OF SOLICITATION NO. DACW29-93-B-0025
	<input type="checkbox"/>	9B. DATED (SEE ITEM 11) 04/21/93
	<input type="checkbox"/>	10A. MODIFICATION OF CONTRACT/ORDER NO.
	<input type="checkbox"/>	10B. DATED (SEE ITEM 13)
CODE OMR68	FACILITY CODE	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended, is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (if required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

<input checked="" type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103 (b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

PLANS AND SPECIFICATIONS FOR LAKE PONTCHARTRAIN LA & VICINITY, HURRICANE PROTECTION PROJECT, HIGH LEVEL PLAN, 17TH ST. OUTFALL CANAL, FLOOD PROTECTION IMPROVEMENT PROJECT, CAPPING OF FLOODWALLS, EAST SIDE IMPROVEMENTS, ORLEANS PARISH, LA, ARE HEREBY AMENDED AS FOLLOWS:

BID OPENING DATE

BID OPENING DATE AND TIME OF 2 JUNE 1993, HAS BEEN CHANGED AND WILL NOW OPEN ON 9 JUNE 1993, 2:00 P.M., LOCAL TIME AT PLACE OF BID OPENING.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
BY _____ (Signature of person authorized to sign)	BY _____ (Signature of Contracting Officer)

BID SCHEDULE

Delete page B-1 in its entirety and substitute the attached revised page B-1 therefor.

SECTION C

(1) Page C2A-3, paragraph C2A-7(5). Delete the first four lines in their entirety and substitute "The Contracting Officer will require frequent use of" therefor.

(2) Page C2C-4, paragraph C2C-4.9. Delete the last line in its entirety and substitute the following therefor.

"Government and to the Louisiana Department of Environmental Quality (LADEQ). Proof of acceptance and conditions and said acceptance shall be submitted to the Contracting Officer prior to the removal of any muck from the job site. Any required permits for the disposal shall be obtained by the Contractor at his expense. The LADEQ point of contact is Mr. Gerald Mathes, (504)-765-0249."

(3) Page C2E-1, paragraph C2E-1. In the 4th line add "and" between "grade," and "constructing". Starting in the 7th line and ending in the 8th line, delete "and removing coal tar epoxy paint from the sheet pile".

(4) Page C2E-2, paragraphs C2E-2.6 and C2E-3.3. Delete these paragraphs in their entirety and substitute "C2E-2.6 Reserved." and "C2E-3.3 Reserved." therefor respectively.

(5) Page C2E-3, paragraph C2E-3.6(1). In the first line, after the word "installation" add ", removal" .

(6) Page C2E-4.

a. Subparagraph C2E-4.1(6). Delete this paragraph in its entirety and substitute "(6) Removal of existing coal tar epoxy paint where stud anchors are placed."

b. Paragraph C2E-5.1. Delete the 3rd and 4th lines in their entirety and substitute "to be capped only where welded steel studs will be placed."

c. Paragraph C2E-5.3.2.3. In the 2nd line, change "surface o t the" to "surface of the".

(7) Page C2E-17.

a. Paragraph C2E-10.1. Add "The Contractor shall remove the cofferdam after the floodwall construction is complete within the above stations." to the end of the paragraph.

b. Paragraph C2E-11. In the 2nd line, add "and removal" between the words "construction" and "of".

(8) Page C2E-18, paragraph C2E-12.3. In the first line after the word "constructing", add "and removing". In the second line after the word "construction", add "and removal".

(9) Page C3D-22, paragraph C3D-12.2.2. In the 4th line from the end of the paragraph, change "the protected side" to "both sides".

(10) Add the attached new Section C5B, pages C5B-a, C5B-1, C5B-2, and C5B-3.

SECTION H

(1) Page H-28, sub-paragraph H-28.a.1. Change "Hammond Highway" to "Lake Marina Drive" and "vice-versa" to "Hammond Highway".

(2) Page H-28, sub-paragraph H-28.a.2. Delete this paragraph in its entirety and substitute the following therefor:

"2. South of Hammond Highway. Trucks leaving this access site shall exit onto Hammond Highway and travel designated truck routes to their destination and enter at the intersection of West Harrison and Bellaire Drive."

(3) Page H-29, sub-paragraph H-28.a.5.b. In the 2nd sentence, change "H-9(f)" to "H-9(g)". In the 3rd sentence, delete "15 feet", and add "as shown on the drawings" after the words "sheet pile".

(4) Page H-31, paragraph H-30. In the 7th typed line from the end of the paragraph, change "siste" to "site".

(5) Add the following new clause to the end of the Special Clauses.

"H-34 ORDER OF WORK. The Contractor shall not proceed with work between Hammond Highway and West Harrison Blvd. until all other construction activities have been completed (East Jefferson Levee District, Contract 92-1) between these streets."

DRAWINGS

Delete Dwgs. 2, 5, 8, 9, and 15 of 17, File No. H-4-40208, in their entirety and substitute the attached revised Dwgs. 2, 5, 8, 9, and 15 of 17, File No. H-4-40208 therefor.

SOLICITATION NO. DACW29-
 BIDDING SCHEDULE
 (To be attached to Bid Form)
 LAKE PONTCHARTRAIN LA. & VICINITY, HURRICANE PROTECTION PROJECT,
 HIGH LEVEL PLAN, 17TH ST. OUTFALL CANAL, FLOOD PROTECTION
 IMPROVEMENT PROJECT, CAPPING OF FLOODWALLS, EAST SIDE
 IMPROVEMENTS, ORLEANS PARISH, LA.

Item No.	Description	Estimated Quantity	Unit	Unit Price	Est. Amt.
0001.	Mobilization and Demobilization	Lump Sum	LS		
0002.	Clearing	Lump Sum	LS		
0003.	Structural Excavation and Backfill	Lump Sum	LS		
0004.	Fertilizing, Seeding and Mulching	Lump Sum	LS		
0005.	Driving Existing Sheet Piles in Place	Lump Sum	LS		
0006.	Reinforced Concrete Cap	Lump Sum	LS		
**0007.	Erosion Control				
0007AA.	First 11,600 LF	11,600	LF		
0007AB.	All Over 11,600 LF	2,300	LF		
0008.	Cofferdam	Lump Sum	LS		
TOTAL					\$

Award will be made as a whole to one bidder.

NOTE: Bidders shall furnish unit prices for all items listed on schedule of bid items which require unit prices. If the bidder fails to insert a unit price in the appropriate blank for required items but does furnish an extended total or an estimated amount for such items, the Government will deem his unit price to be the quotient obtained by dividing the extended estimated amount for that line item by the quantity. IF THE BIDDER OMITTS BOTH THE UNIT PRICE AND THE EXTENDED ESTIMATED AMOUNT FOR ANY REQUIRED ITEM, HIS BID WILL BE DECLARED NON-RESPONSIVE. Quantities shown on Bid Item 0007 are for evaluation purposes. Payment for these items will be made on the basis of actual quantities used.

INDEX

SECTION C5B - MISCELLANEOUS METALWORK

Para. No.	Paragraph Title	Page No.
C5B-1.	SCOPE	C5B-1
C5B-2.	QUALITY CONTROL	C5B-1
C5B-3.	SUBMITTALS	C5B-1
C5B-4.	FABRICATED AND MANUFACTURED ITEMS	C5B-2
C5B-5.	WORKMANSHIP	C5B-3
C5B-6.	MEASUREMENT AND PAYMENT	C5B-3

SECTION C5B - MISCELLANEOUS METALWORK
PART 1 - GENERAL

C5B-1. SCOPE. The work covered by this section consists of furnishing all plant, labor, materials and equipment, and furnishing and installing the miscellaneous metalwork as shown on the drawings and specified herein and shall include, but is not limited to, the following items:

C5B-1.1 Corrosion Resistant Steel (C.R.S.).

C5B-1.1.1 Settlement reference bolts.

C5B-1.1.2 Identification tag for reference bolts.

C5B-1.2 Manufactured Products.

C5B-1.2.1 Flexible bonding jumpers for bonding of piling as specified in Section C16A.

C5B-1.2.2 Plastic sealant as specified herein.

C5B-1.3 Fabricated Steel.

C5B-1.3.1 Slip joint, Capped I-wall to Uncapped I-wall.

C5B-2. QUALITY CONTROL.

C5B-2.1 General. The Contractor shall establish and maintain quality control for proper fabrication and installation of all work covered in this section to assure compliance with contract specifications and maintain records of his quality control for all construction operations including but not limited to the following:

- (1) Fabrication.
- (2) Protective coating.
- (3) Placement and protection.
- (4) Material compliance with plans and specifications.

C5B-2.2 Reporting. The original and two copies of these records and tests, as well as the records of corrective action taken, shall be furnished to the Government daily. Format of the report shall be as prescribed in the Special Clause entitled "CONTRACTOR QUALITY CONTROL".

C5B-3. SUBMITTALS.

C5B-3.1 Shop Drawings. The Contractor shall prepare and submit for approval, complete shop drawings and descriptive literature showing details of all auxiliary items required as

indicated herein or on the contract drawings. Shop drawings shall indicate computed weights of structural steel and approval of shop drawings will constitute acceptance of the computed weights shown on these drawings.

C5B-3.2 Manufacturer's Certification. The galvanizing compound shall be certified for compliance with all specification requirements.

PART 2 - PRODUCTS

C5B-4. FABRICATED AND MANUFACTURED ITEMS.

C5B-4.1 General. Fabrication and placement of all fabricated items shall be as indicated on the drawings.

C5B-4.2 Materials.

C5B-4.2.1 Corrosion Resistant Steel. Corrosion resistant steel shall conform to Federal Specification QQ-S-766C (up to and including amendment 6), Class 304. High strength corrosion resistant steel shall conform to ASTM A 276-84, Type 431. Corrosion resistant steel bolts, nuts and washers shall conform to the applicable provisions of C5B-12 except that the material shall be corrosion-resistant steel.

C5B-4.2.2 Plastic Sealant. This sealant shall conform to the applicable provisions of Federal Specification SS-S-00210 "Sealing Compound, Preformed Plastic, for Expansion Joints and Pipe Joints".

C5B-4.2.3 Transition from Capped I-Wall to Uncapped I-Wall. The steel sheet piling slip joint shall be surrounded by 18 gage steel sheet metal, as shown on the drawings. The space between the sheet metal and the steel sheet piling is to be filled with a plastic sealant.

C5B-4.3 Galvanizing. Hot-dip galvanizing or zinc coating applied on products fabricated from rolled, pressed, or forged steel shapes, plates, bars, and strips shall comply with ASTM A 123. Hot-dip galvanizing or zinc coatings on assembled steel products shall comply with ASTM A 386. Weight of coatings shall be as designated in Table 1 of the ASTM specification for class and thickness of material to be coated, but in no case shall it be less than 1.25 oz. per square foot.

C5B-4.4 Expansion Anchors. Fed. Spec. FF-S-325, Group II, Type 4, Class 1. Nail driven types will not be acceptable. Anchors shall be galvanized unless otherwise indicated.

PART 3 - EXECUTION

C5B-5. WORKMANSHIP. All parts shall be properly fabricated, assembled and installed to conform to the shapes, sizes and dimensions indicated on the contract drawings and approved shop drawings.

C5B-5.1 Settlement Reference Bolts. Upon installation of the settlement reference bolts the Contractor shall determine elevations of each bolt and submit his results to the Contracting Officer.

C5B-6. MEASUREMENT AND PAYMENT.

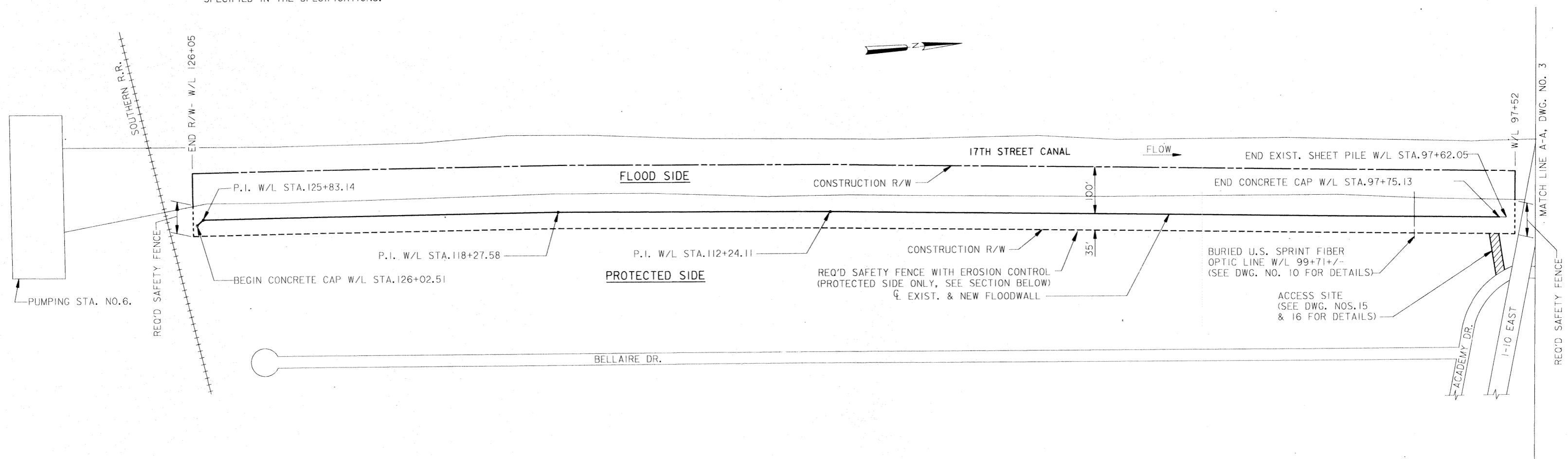
C5B-6.1 Unless otherwise specified herein, any materials or operations used in conjunction with installation or as part of metalwork which is not included in the cost of other items of work listed in the bidding schedule shall not be measured for payment. Payment for miscellaneous metalwork will be included in the contract lump sum price for "Reinforced Concrete Cap". This price and payment shall constitute full compensation for furnishing and installing all miscellaneous metalwork indicated on the drawings and/or herein specified which is not specified to be paid for under other items of work listed on the bidding schedule.

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of Your Contract**

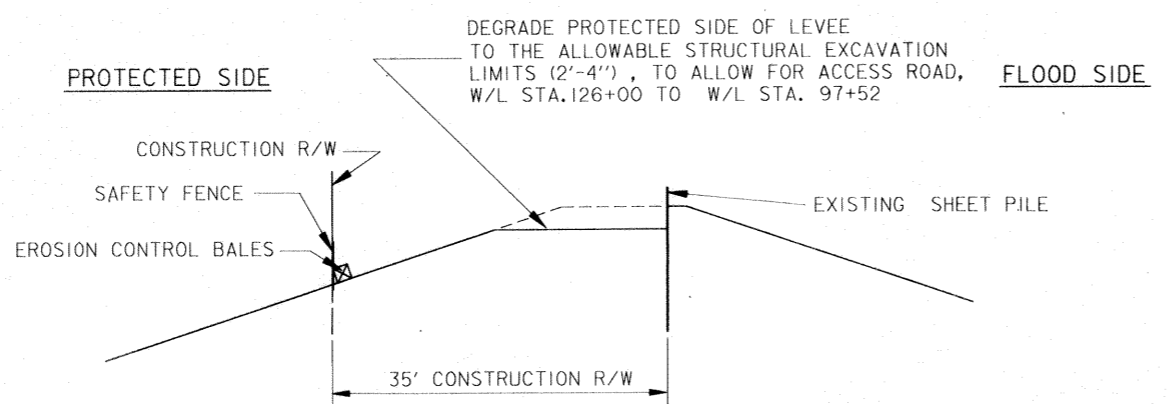
GENERAL NOTES:

1. ALL REFERENCES TO WALL LINE (W/L) REFER TO THE CENTERLINE OF THE EXISTING SHEET PILE WALL ON THE ORLEANS LEVEE OF THE 17TH STREET CANAL. STATIONING ALONG THE WALL IS BASED ON THE THEORETICAL WIDTH OF THE SHEETS (BZ12.IL AND HOESCH 12 ARE 22.64'; PMA-22 IS 19.625')
2. ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.). ELEVATION AT U.S.C.E. MONUMENT 14 IS 8.77 N.G.V.D..
3. NORMAL WATER SURFACE ELEVATION RANGE IS FROM EL.1.5 TO EL.2.0 (N.G.V.D.)..
4. REFERENCES TO THE PROTECTED SIDE OF THE LEVEE REFER TO THE LAND SIDE OF THE LEVEE. REFERENCES TO THE FLOOD SIDE OF THE LEVEE REFER TO THE CANAL OR LAKE SIDE OF THE LEVEE.
5. THE CONTRACTOR SHALL WELD 5/8 IN. BY 8 IN. STUD ANCHORS ON THE EXISTING SHEET PILE AS INDICATED AND SPECIFIED IN THE SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOTE THE CLOSE PROXIMITY OF RESIDENCES, TREES, AND UTILITIES ALONG THE ENTIRE LENGTH OF THE PROJECT SITE. HE SHALL EXERCISE EXTREME CAUTION AT ALL TIMES WHEN WORKING ON THE LEVEE AND HE SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE RESULTING FROM HIS OPERATIONS.
7. CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN A SAFETY FENCE AROUND THE CONSTRUCTION RIGHT-OF-WAY. SEE SPECIAL CLAUSE "SAFETY PROVISIONS".
8. SEE DRAWING 5 FOR BENCH MARK INFORMATION.

OBSTRUCTIONS TO R/W		
W/L STATION (APPROXIMATE)	ITEM AND OWNER	DISPOSITION
99+71	U.S. SPRINT FIBER OPTIC LINE	DWG. NO. 2
35+82	L.P. & L. POWER LINE	DWG. NO. 4



PLAN
SCALE 1" = 100'-0"



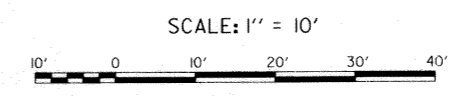
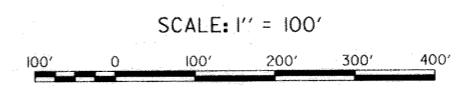
ACCESS AND STORAGE DETAILS
STA. 126+03 TO STA. 97+52
SCALE 1" = 10'-0"
ACCESS NOT SHOWN FOR CLARITY

EXCAVATED MATERIAL MUST BE HAULED IN ACCORDANCE WITH C2C OF THE SPECIFICATIONS AND STORED FOR REUSE IN ACCORDANCE WITH SPECIAL CLAUSE "OFFSITE STORAGE".

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

LEGEND

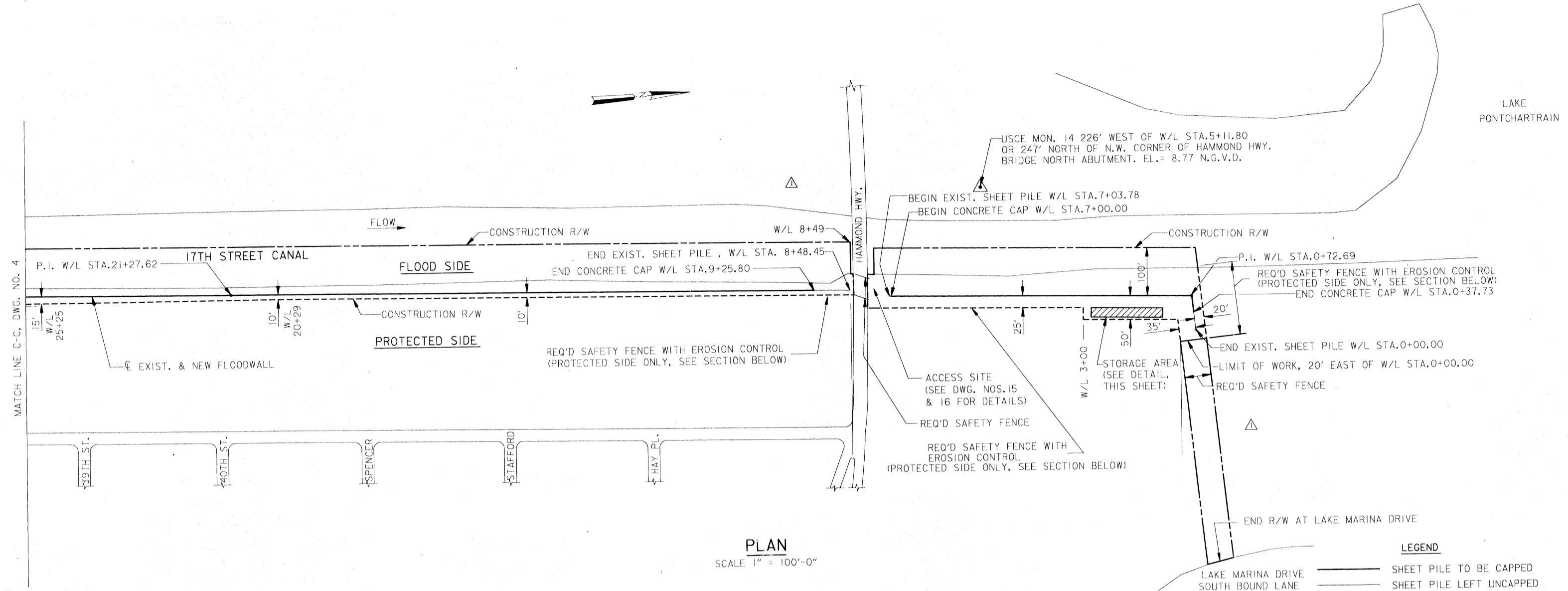
—	SHEET PILE TO BE CAPPED
---	SHEET PILE LEFT UNCAPPED
---	CONSTRUCTION R/W
---	UTILITY
---	CONSTR. R/W, SAFETY FENCE, EROSION CONTROL
---	CONSTR. R/W AND SAFETY FENCE



△	CHANGED NOTE 5 FROM REMOVAL OF COAL TAR EPOXY TO STUD ANCHORS AMEND. #2	21 MAY 1993	R/JG
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MODJESKI & MASTERS Inc. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS			
PLAN-1 AND GENERAL NOTES			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 1200	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.	CADD FILE: 40208X02.DGN	FILE NO. H-4-40208
SUBMITTED BY: W. D. CONWAY MODJESKI & MASTERS Inc. DESIGN ENGINEER		SOLICITATION NO. DACW29-93-B-0025	DWG. 2 OF 16

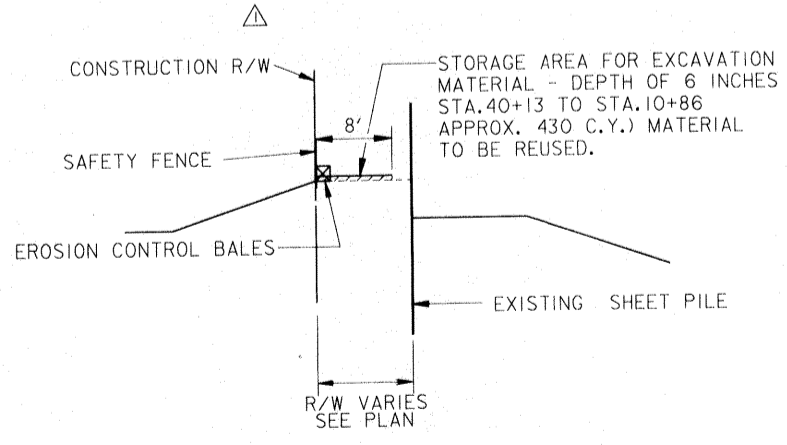
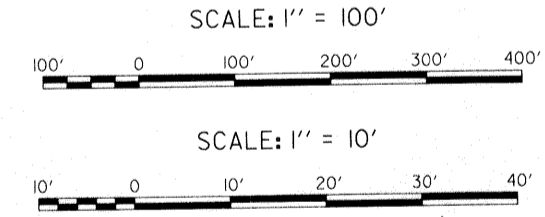


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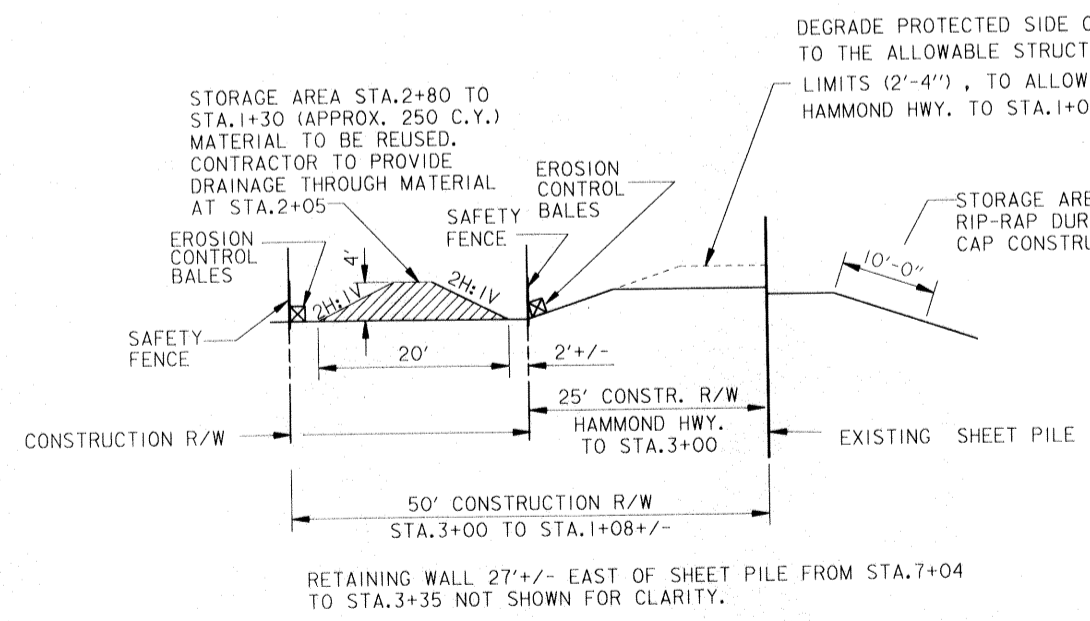


PLAN
SCALE 1" = 100'-0"

- LEGEND**
- SHEET PILE TO BE CAPPED
 - SHEET PILE LEFT UNCAPPED
 - - - CONSTRUCTION R/W
 - UTILITY
 - - - CONSTR. R/W, SAFETY FENCE, EROSION CONTROL
 - - - CONSTR. R/W AND SAFETY FENCE



ACCESS AND STORAGE DETAILS
STA. 40+13 TO HAMMOND HIGHWAY
SCALE 1" = 10'-0"
STORAGE ON LEVEE NOT SHOWN ON PLAN FOR CLARITY.



ACCESS AND STORAGE DETAILS
HAMMOND HWY. TO STA. 0+00
SCALE 1" = 10'-0"
ACCESS NOT SHOWN ON PLAN FOR CLARITY.

DEGRADE PROTECTED SIDE OF LEVEE TO THE ALLOWABLE STRUCTURAL EXCAVATION LIMITS (2'-4"), TO ALLOW FOR ACCESS ROAD, HAMMOND HWY. TO STA. 1+00.

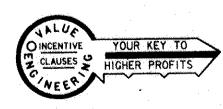
STORAGE AREA STA. 2+80 TO STA. 1+30 (APPROX. 250 C.Y.) MATERIAL TO BE REUSED. CONTRACTOR TO PROVIDE DRAINAGE THROUGH MATERIAL AT STA. 2+05.

STORAGE AREA FOR RIP-RAP DURING CAP CONSTRUCTION.

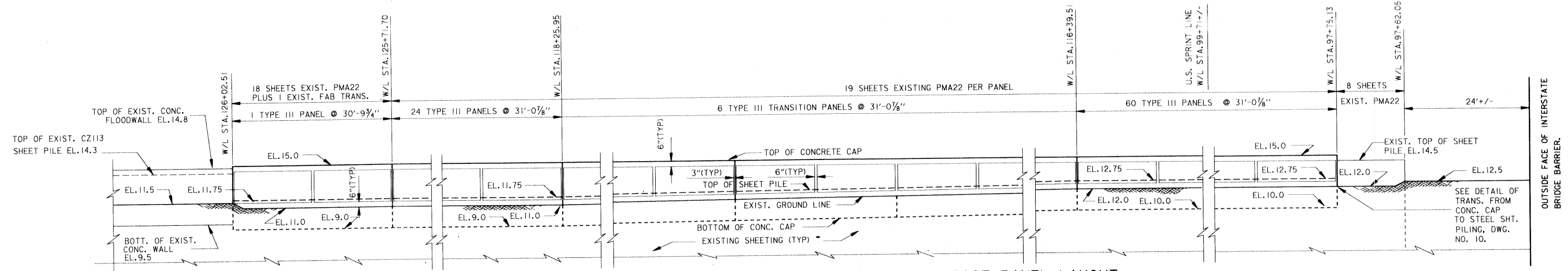
MATERIAL EXCAVATED FROM BELOW EL. 2.0 IS TO BE HAULED IN ACCORDANCE WITH C2C-4.9.

EXCAVATED MATERIAL IN EXCESS OF STORAGE IN THIS REACH TO BE HAULED IN ACCORDANCE WITH SECTION C2C OF THE SPECIFICATIONS AND STORED FOR REUSE IN ACCORDANCE WITH THE SPECIAL CLAUSE "OFFSITE STORAGE".

<p>U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA</p>		<p>BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA</p>		<p>MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA</p>	
<p>LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS PLAN-4</p>					
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 1200	PLOT DATE: APR 1993		
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.	CADD FILE: 40208X05.DGN	FILE NO. H-4-40208		
SUBMITTED BY: R. B. CONWAY MODJESKI & MASTERS INC. DESIGN ENGINEER		SOLICITATION NO. DACW29-93-B-0025	DWG. 5 OF 16		



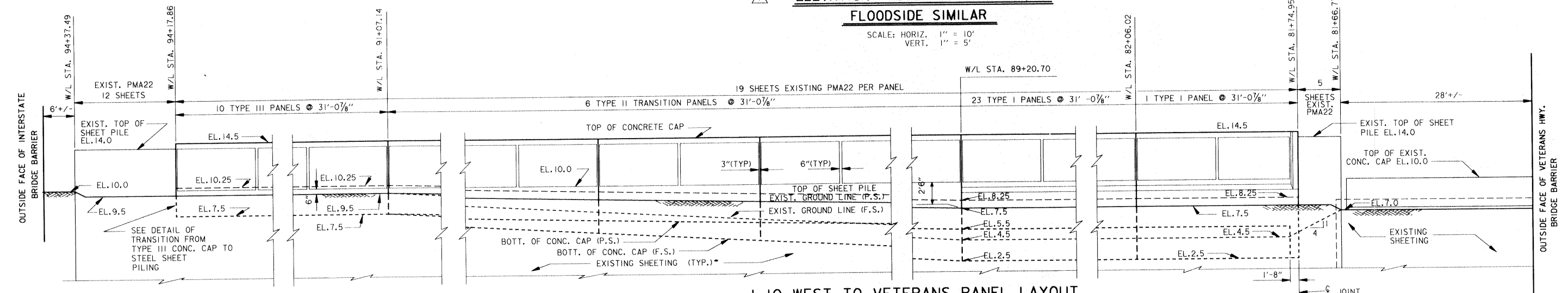
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SOUTHERN RAILWAY TO I-10 EAST PANEL LAYOUT

ELEVATION PROTECTED SIDE-SHOWN
FLOODSIDE SIMILAR

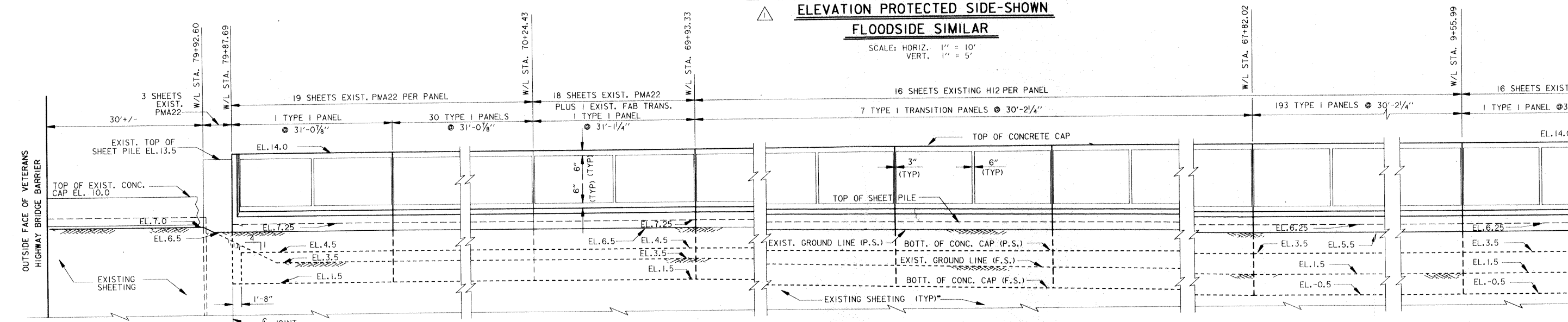
SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'



I-10 WEST TO VETERANS PANEL LAYOUT

ELEVATION PROTECTED SIDE-SHOWN
FLOODSIDE SIMILAR

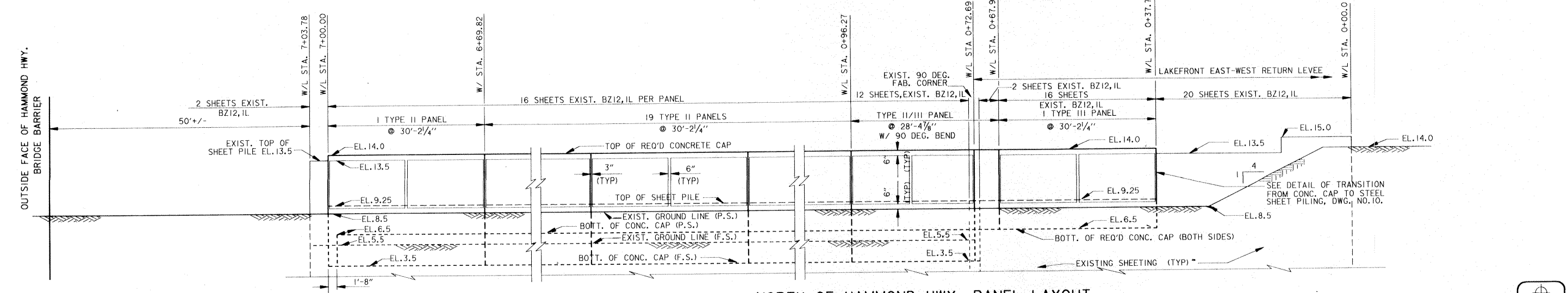
SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'



VETERANS TO HAMMOND HIGHWAY PANEL LAYOUT

ELEVATION PROTECTED SIDE-SHOWN
FLOODSIDE SIMILAR

SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

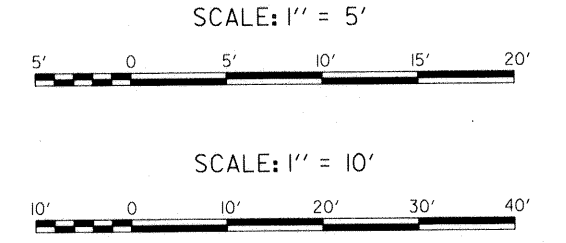


NORTH OF HAMMOND HWY. PANEL LAYOUT

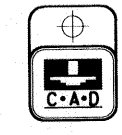
ELEVATION PROTECTED SIDE-SHOWN
FLOODSIDE SIMILAR

SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'

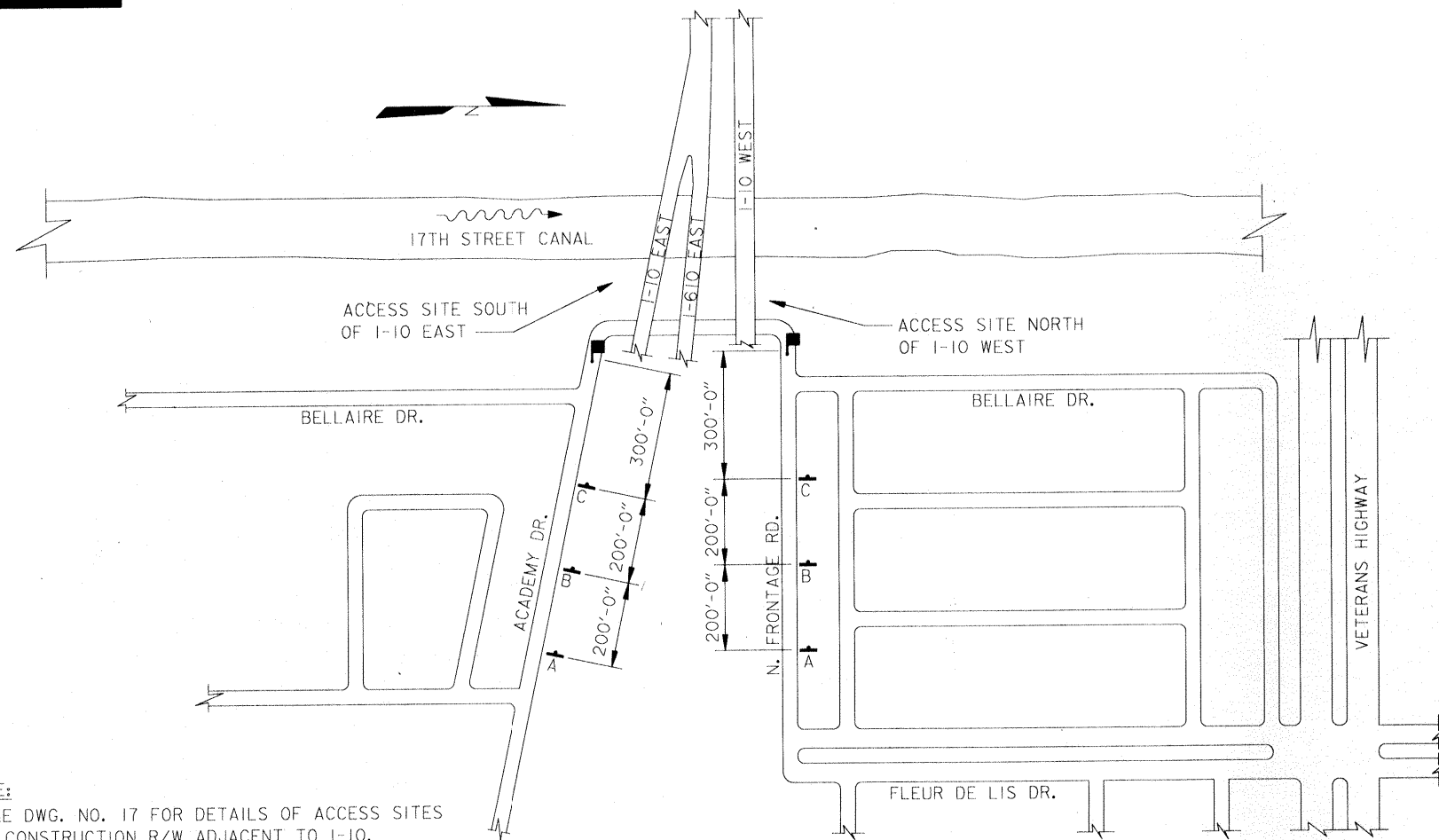
NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
FOR TYPICAL CAP SECTIONS, SEE DWG. NO. 8.
FOR TYPICAL LEVEE SECTIONS, SEE DWGS. 6 AND 7.
SEE GENERAL NOTES, DWG. 2, AND SPECIFICATIONS FOR TREATMENT OF EXISTING SHEETING PRIOR TO CAPPING.
FOR TYPICAL EXPANSION JOINT DETAILS, SEE DWGS. NO. 13 AND 14.
CONTRACTOR SHALL FORM P.I. POINTS IN CONCRETE WALL AS REQUIRED BY ALIGNMENT OF SHEET PILE.
PANEL LENGTHS SHOWN ARE BASED ON THEORETICAL DIMENSIONS. IN-PLACE DIMENSIONS WILL VARY. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS PRIOR TO FABRICATING FORMS.
(F.S.) DENOTES FLOOD SIDE.
(P.S.) DENOTES PROTECTED SIDE.
FOR ARCHITECTURAL TREATMENT OF WALL SEE TECHNICAL SPECIFICATIONS.



ADDED ARCHITECTURAL TREATMENT ON PROTECTED & FLOODSIDE OF WALL. AMEND. #2 DATE: 5/24/93 APPROVED: R.J.G.			
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA			
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS FLOODWALL CAP PANEL LAYOUT AND PROFILE			
DESIGNED BY: F.S. DRAWN BY: P.M.R. CHECKED BY: M.L.S.	DATE: NOV. 1992	PLOT SCALE: 10	PLOT DATE: APR 1993
SUBMITTED BY: W.B. CONWAY MODJESKI & MASTERS, INC. DESIGN ENGINEER	CADD FILE: 40208X09.DGN	SOLICITATION NO. DACW29-93-B-0025	FILE NO. H-4-40208 DWG. 9 OF 16

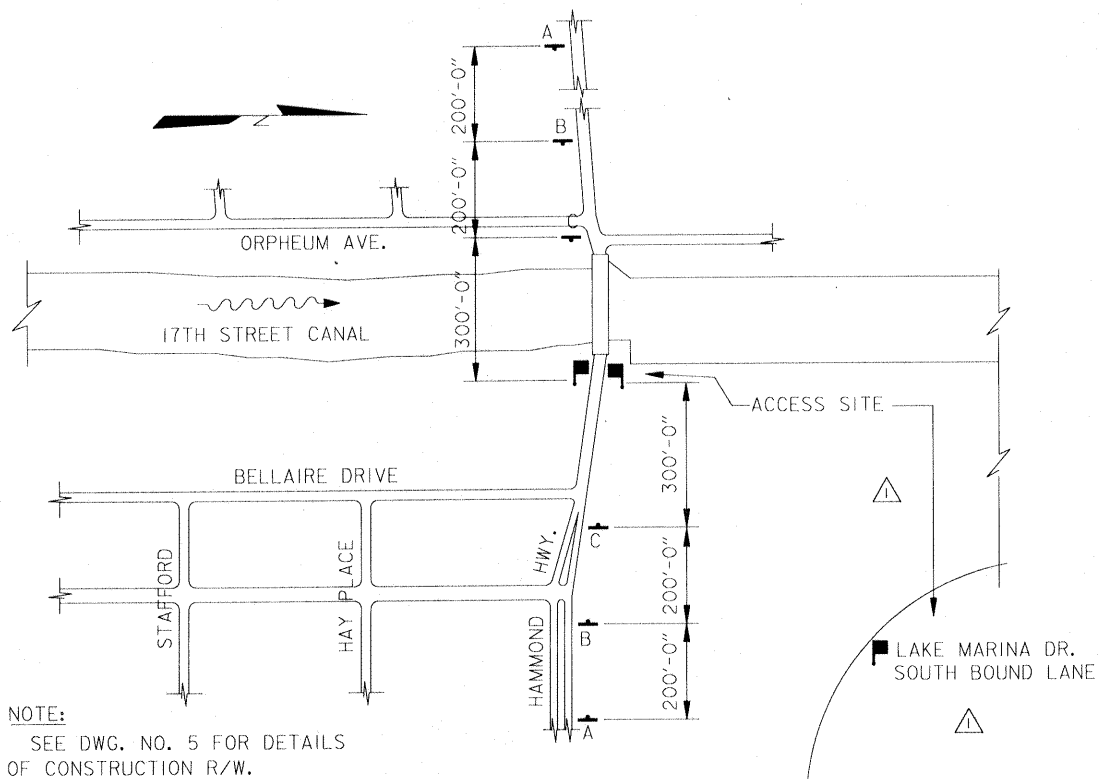


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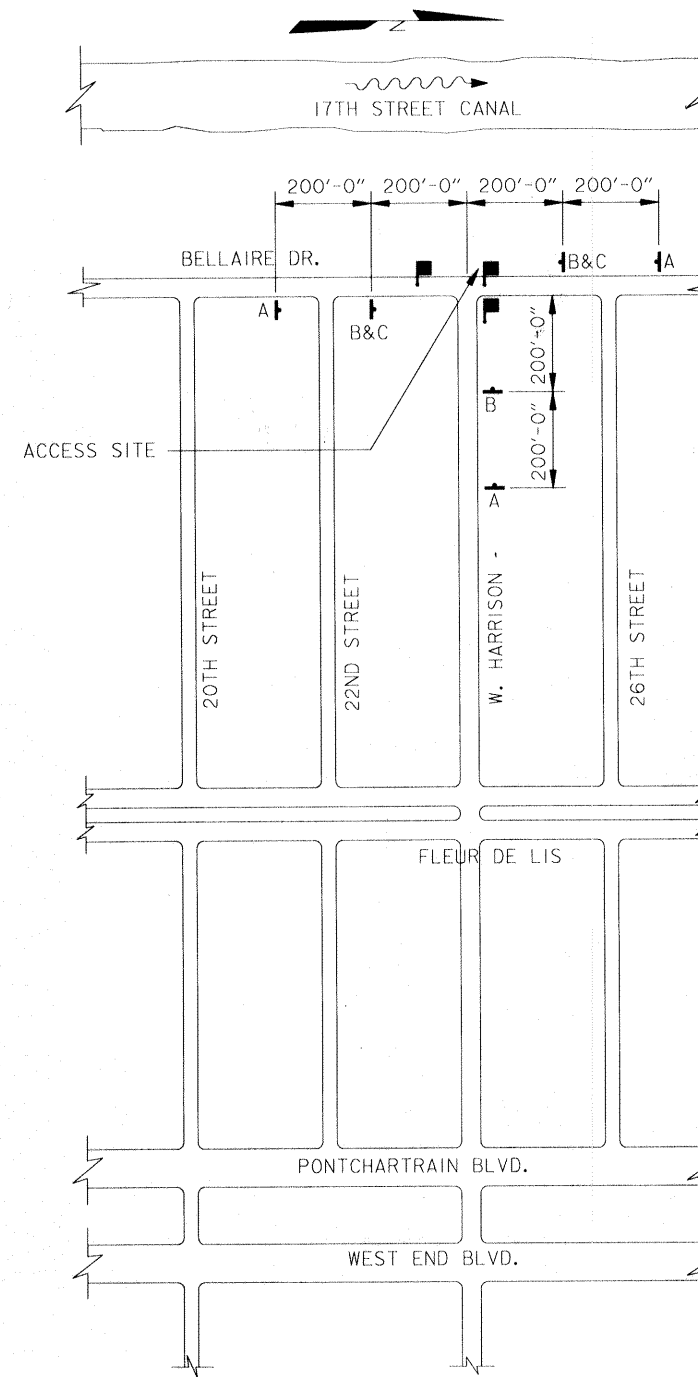
NOTE:
SEE DWG. NO. 17 FOR DETAILS OF ACCESS SITES
AND CONSTRUCTION R/W ADJACENT TO I-10.

**SIGNING PLAN -
ADJACENT TO I-10**
SCALE: 1"= 200'-0"



NOTE:
SEE DWG. NO. 5 FOR DETAILS
OF CONSTRUCTION R/W.

**SIGNING PLAN -
DURING OPERATIONS NORTH OF HAMMOND HWY.**
SCALE: 1"= 200'-0"



NOTE:
SEE DWG. NO. 4 FOR DETAILS
OF CONSTRUCTION R/W.

**SIGNING PLAN -
WEST HARRISON AVENUE**
SCALE: 1"= 200'-0"

LEGEND:

- A = CONSTRUCTION AHEAD
- B = TRUCKS ENTERING ROAD
- C = 300 FEET
FLAGGER

NOTES:
FOR GENERAL NOTES, SEE DWG. NO. 2.
ALL ADVANCE FLAGGER SIGNS SHALL BE PROMPTLY
REMOVED OR COVERED WHENEVER FLAGGERS ARE
NOT AT THEIR STATIONS.
FLAGGERS SHALL BE POSTED WHENEVER THERE
IS TRUCK ACTIVITY AT THE ACCESS SITE.

ADDED NORD PLAY GROUND & LAKE MARINA DR. SOUTH BOUND LANE. AMEND. #2 5/24/93 R.J.C.			
SYMBOL	DESCRIPTION	DATE	APPROVED
REVISIONS			
U.S. ARMY ENGINEER DISTRICT, NEW ORLEANS CORPS OF ENGINEERS NEW ORLEANS, LOUISIANA			
BOARD OF LEVEE COMMISSIONERS ORLEANS LEVEE DISTRICT NEW ORLEANS, LOUISIANA		MODJESKI & MASTERS INC. NEW ORLEANS, LOUISIANA	
LAKE PONTCHARTRAIN, LA. AND VICINITY HIGH LEVEL PLAN 17TH STREET CANAL EXCAVATION AND FLOODWALL PROTECTION CAPPING OF FLOODWALLS EAST SIDE LEVEE IMPROVEMENTS ACCESS SITES AND TRAFFIC CONTROL-1			
DESIGNED BY: F.S.	DATE: NOV. 1992	PLOT SCALE: 2400	PLOT DATE: APR 1993
DRAWN BY: P.M.R.	CHECKED BY: M.L.S.	CADD FILE: 40208X16.DGN	FILE NO. H-4-40208
SUBMITTED BY: W. B. CONWAY MODJESKI & MASTERS, INC. DESIGN ENGINEER		SOLICITATION NO. DACW29-93-B-0025	DWG. 15 OF 16

