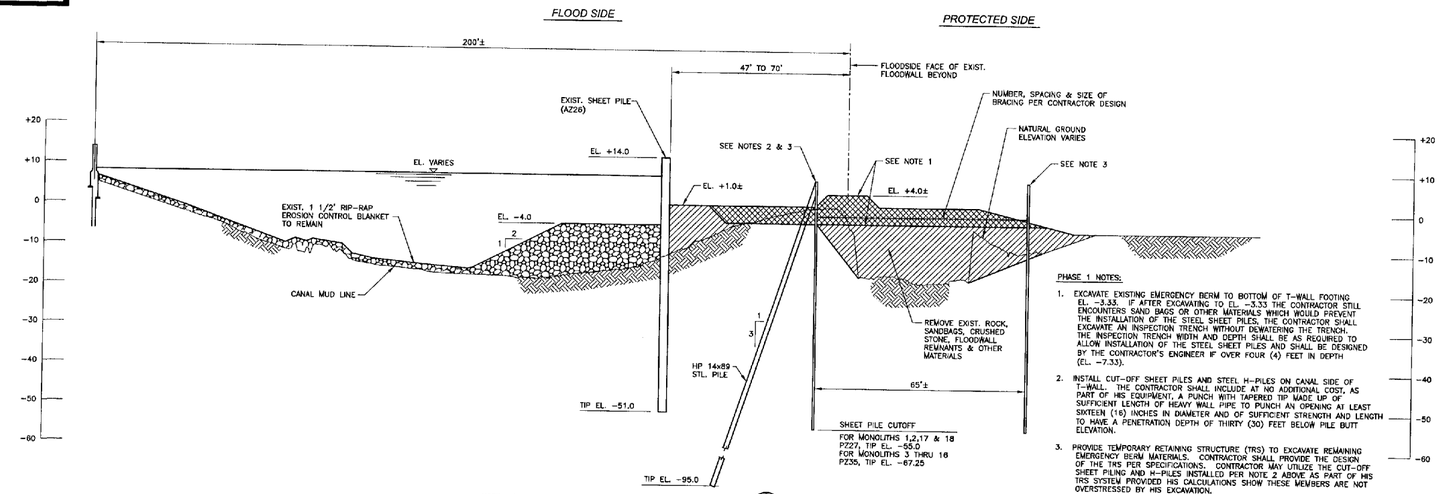
Safety is a Part of Your Contract



NOTE: ALL ELEVATIONS REFER TO NAVD. EXISTING GRADE VARIES SEE SECTIONS ON DWGS. 14-18

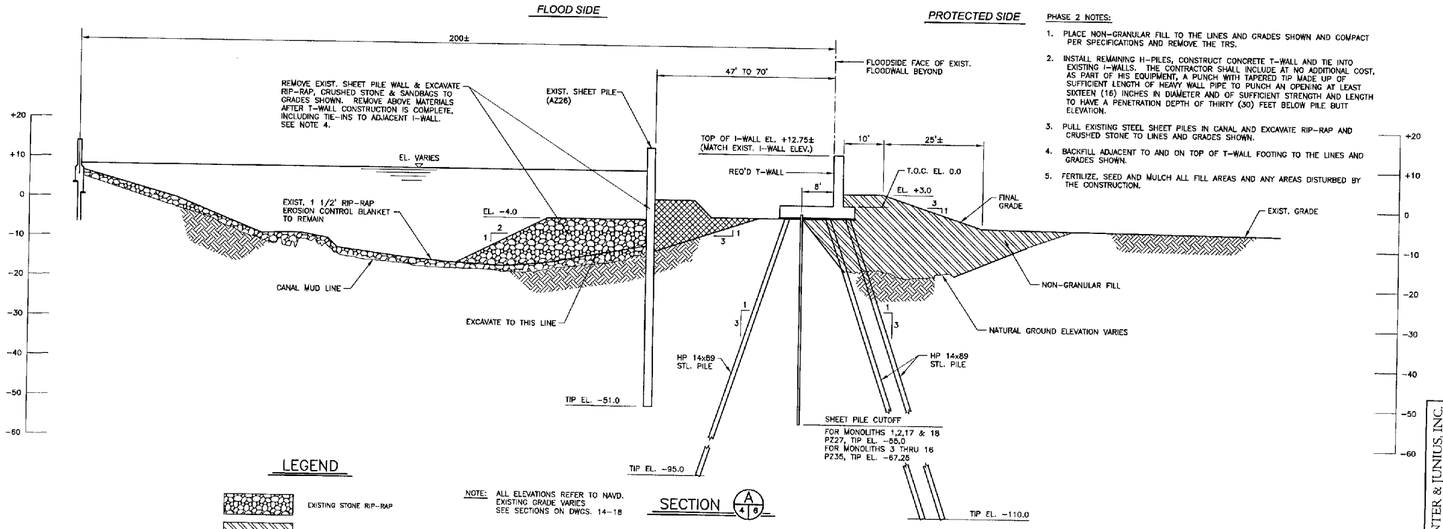
SECTION A/4/8

PHASE 1 CONSTRUCTION SECTION

SCALE: 1" = 20'

PHASE 1 NOTES:

1. EXCAVATE EXISTING EMERGENCY BERM TO BOTTOM OF T-WALL FOOTING EL. -3.33. IF AFTER EXCAVATING TO EL. -3.33 THE CONTRACTOR STILL ENCOUNTERS SAND BAGS OR OTHER MATERIALS WHICH WOULD PREVENT THE INSTALLATION OF THE STEEL SHEET PILES, THE CONTRACTOR SHALL EXCAVATE AN INSPECTION TRENCH WITHOUT DEWATERING THE TRENCH. THE INSPECTION TRENCH WIDTH AND DEPTH SHALL BE AS REQUIRED TO ALLOW INSTALLATION OF THE STEEL SHEET PILES AND SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER IF OVER FOUR (4) FEET IN DEPTH (EL. -7.33).
2. INSTALL CUT-OFF SHEET PILES AND STEEL H-PILES ON CANAL SIDE OF T-WALL. THE CONTRACTOR SHALL INCLUDE AT NO ADDITIONAL COST, AS PART OF HIS EQUIPMENT, A PUNCH WITH TAPERED TIP MADE UP OF SUFFICIENT LENGTH OF HEAVY WALL PIPE TO PUNCH AN OPENING AT LEAST SIXTEEN (16) INCHES IN DIAMETER AND OF SUFFICIENT STRENGTH AND LENGTH TO HAVE A PENETRATION DEPTH OF THIRTY (30) FEET BELOW PILE BUTT ELEVATION.
3. PROVIDE TEMPORARY RETAINING STRUCTURE (TRS) TO EXCAVATE REMAINING EMERGENCY BERM MATERIALS. CONTRACTOR SHALL PROVIDE THE DESIGN OF THE TRS PER SPECIFICATIONS. CONTRACTOR MAY UTILIZE THE CUT-OFF SHEET PILING AND H-PILES INSTALLED PER NOTE 2 ABOVE AS PART OF HIS TRS SYSTEM PROVIDED HIS CALCULATIONS SHOW THESE MEMBERS ARE NOT OVERSTRESSED BY HIS EXCAVATION.
4. CONTRACTOR SHALL EXCAVATE TO GRADES SHOWN AND CAREFULLY REMOVE REMNANTS FROM FAILED I-WALL IN ACCORDANCE WITH THE CONTRACTING OFFICER'S DIRECTION.
5. CONTRACTOR SHALL LIMIT EXCAVATION LENGTH TO 75 FEET AHEAD OF BACKFILL.
6. PROVIDE SUITABLE EQUIPMENT TO REMOVE FAILED I-WALL REMNANTS, SAND BAGS AND STEEL CABLES (7/8" DIAMETER), ROCK AND ANY OTHER DEBRIS ENCOUNTERED IN THE EXCAVATION.
7. AREAS BEYOND THE BREACH: THE REMAINING I-WALLS APPROXIMATELY 150 FEET EACH END OF THE BREACH SHALL BE REMOVED PER RECOVERY NOTES ON DWG. 4.



NOTE: ALL ELEVATIONS REFER TO NAVD. EXISTING GRADE VARIES SEE SECTIONS ON DWGS. 14-18

SECTION A/4/8

PHASE 2 CONSTRUCTION SECTION

SCALE: 1" = 20'

PHASE 2 NOTES:

1. PLACE NON-GRANULAR FILL TO THE LINES AND GRADES SHOWN AND COMPACT PER SPECIFICATIONS AND REMOVE THE TRS.
2. INSTALL REMAINING H-PILES, CONSTRUCT CONCRETE T-WALL AND TIE INTO EXISTING I-WALLS. THE CONTRACTOR SHALL INCLUDE AT NO ADDITIONAL COST, AS PART OF HIS EQUIPMENT, A PUNCH WITH TAPERED TIP MADE UP OF SUFFICIENT LENGTH OF HEAVY WALL PIPE TO PUNCH AN OPENING AT LEAST SIXTEEN (16) INCHES IN DIAMETER AND OF SUFFICIENT STRENGTH AND LENGTH TO HAVE A PENETRATION DEPTH OF THIRTY (30) FEET BELOW PILE BUTT ELEVATION.
3. PULL EXISTING STEEL SHEET PILES IN CANAL AND EXCAVATE RIP-RAP AND CRUSHED STONE TO LINES AND GRADES SHOWN.
4. BACKFILL ADJACENT TO AND ON TOP OF T-WALL FOOTING TO THE LINES AND GRADES SHOWN.
5. FERTILIZE, SEED AND MULCH ALL FILL AREAS AND ANY AREAS DISTURBED BY THE CONSTRUCTION.

LEGEND

- EXISTING STONE RIP-RAP
- NON-GRANULAR BACKFILL
- EXISTING MATERIAL
- EXISTING MATERIAL TO BE EXCAVATED

SCALE: 1" = 20'

20' 0 20' 40' 60' 80'

NOTE: THIS DRAWING HAS BEEN REDUCED TO HALF SIZE.

LINFIELD, HUNTER & JUNIUS, INC.
CONSULTING ENGINEERS AND ARCHITECTS
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US Army Corps of Engineers New Orleans District

MARK	DESCRIPTION	DATE	APPRD	MARK	DESCRIPTION	DATE	APPRD

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

DESIGNED BY: LJJ
CHECKED BY: LJJ
DRAWN BY: LJJ
DATE: 12-20-05

SCALE: AS SHOWN
SHEET 2

DESIGN FILE NAME: 17th_STREET_CANAL_BREACH_REPAIR_SECTIONS.DGN

SOLICITATION NO.

LAKE PONTCHARTRAIN AND VICINITY
17th STREET CANAL BREACH REPAIR
NEW ORLEANS, LOUISIANA
SECTIONS

FILE NUMBER
DWG 6 OF 26

LAKE PONTCHARTRAIN AND VICINITY
NEW ORLEANS PLAN
EMERGENCY RESTORATION
17TH STREET, LONDON AVE. & ORLEANS AVE. CANALS
SCADA & CCTV INSTALLATION
17th STREET CANAL BREACH REPAIR
REFERENCE DWG. 2
ORLEANS PARISH, LA.

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

DRAWN BY: T.J.T.	PLOT SCALE: 100	CADD FILE: CABLE20.DGN	
CHECKED BY: D.F.B.	DWG. R5 OF R13	FILE NO. X	
DATE: MAR 2006			