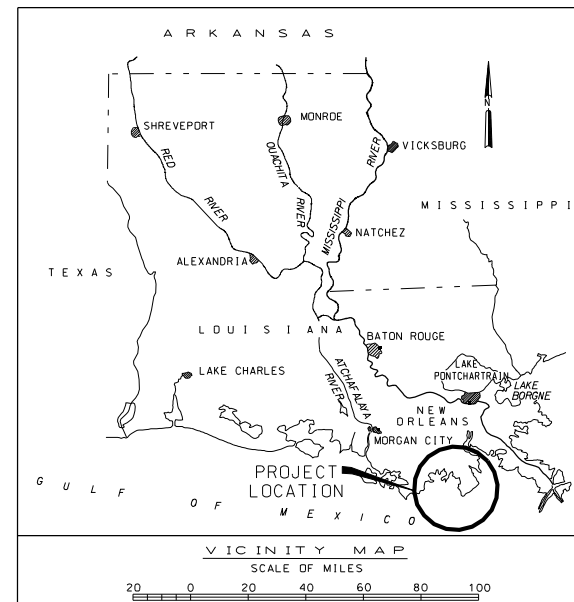
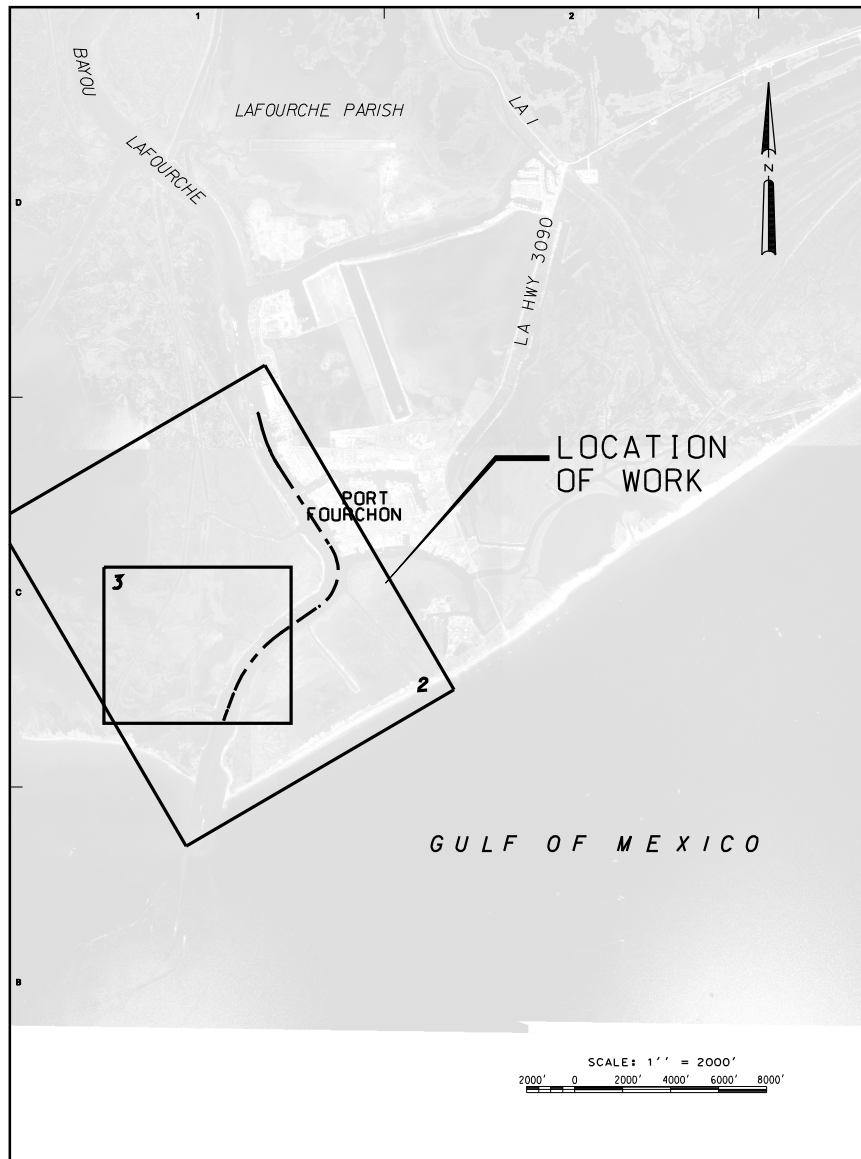




INDEX OF DRAWINGS	
DWG.	DESCRIPTION
1.	LOCATION MAP, VICINITY MAP, INDEX OF DRAWINGS AND VERTICAL CONTROL
2.	PLAN - DREDGING
3.	DETAIL - MARSH CREATION SITES AND CLOSURE
4.	SECTIONS AND PROFILES

VERTICAL CONTROL	
STAFF GAGE TO BE USED FOR ESTABLISHING VERTICAL CONTROL DURING THIS CONTRACT IS LOCATED AT APPROX. X=3642944.6, Y=225610.0 AT THE HARBOR POLICE BOAT DOCK. 0.0 GAGE = 0.0' MLG (POST 83 EPOCH)	

Safety is a Part
of Your Contract

"AS BUILTS"
W912P8-06-C-0213
WEEKS MARINE, INC
 Mayo J. Broussard, COE-QAR
 9-22-07

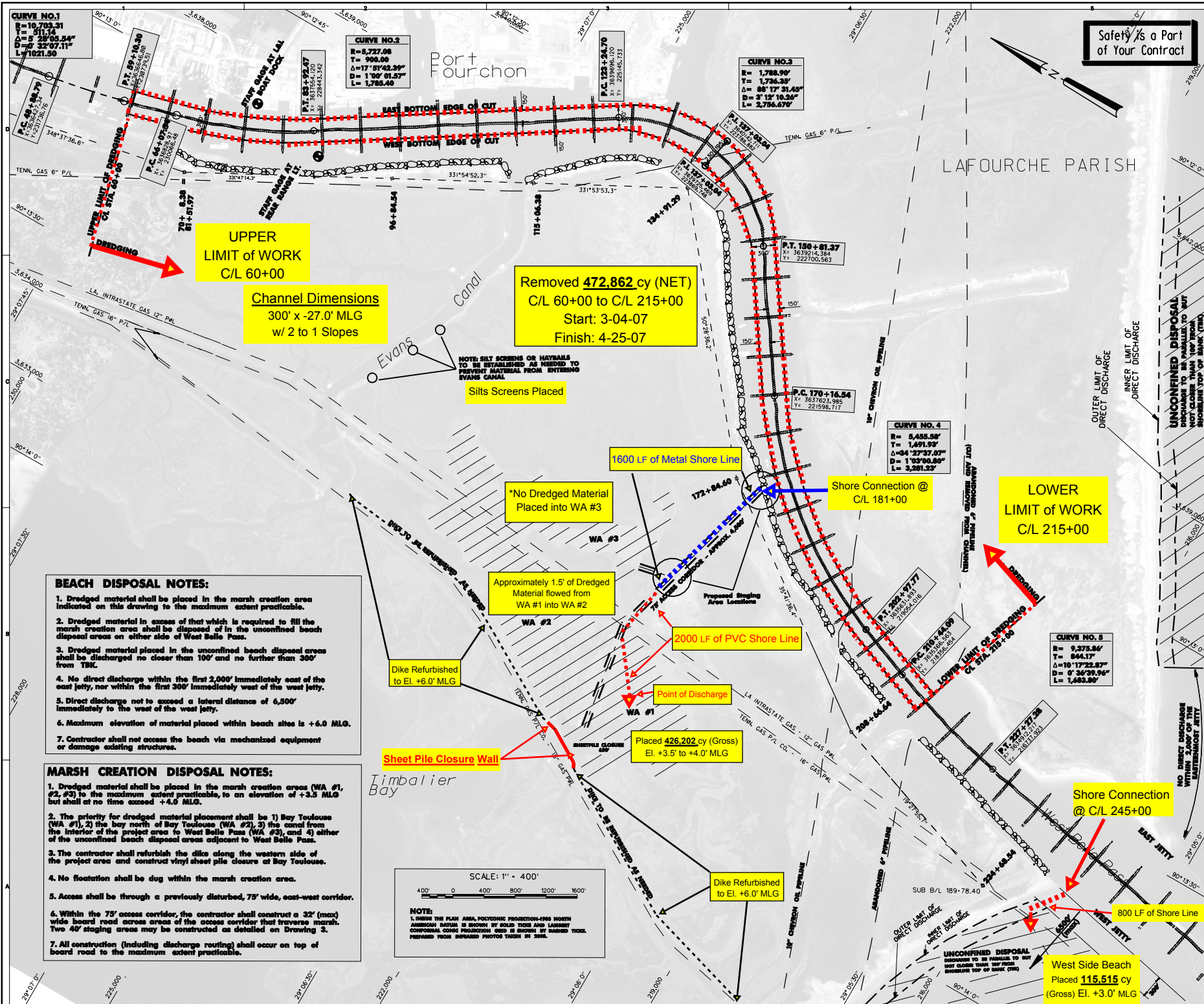
PORT FOURCHON NAVIGATION CHANNEL, LA MAINTENANCE DREDGING C/L STATION 60+00.00 TO C/L STATION 215+00.00 LAFOURCHE PARISH, LA.



THIS PROJECT WAS DESIGNED BY THE NEW ORLEANS DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS OR SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER 1110-1-8152.

SUBMITTED BY: CHIEF OF DISTRICT	APPROVED BY: CHIEF OF DISTRICT
SUBMITTED BY: CHIEF OF DISTRICT	APPROVED BY: CHIEF OF DISTRICT

U.S. ARMY CORPS OF ENGINEERS NEW ORLEANS DISTRICT	
DATE: 9/22/07	PROJECT: PORT FOURCHON NAVIGATION CHANNEL MAINTENANCE DREDGING
DESIGNED BY: W912P8-06-C-0213	DRAWN BY: W912P8-06-C-0213
CHECKED BY: W912P8-06-C-0213	IN CHARGE: W912P8-06-C-0213
LOCATION AND VICINITY MAP INDEX OF DRAWINGS	
SHEET IDENTIFICATION NUMBER C-01	



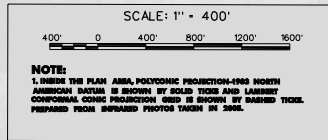
Safety is a Part of Your Contract

BEACH DISPOSAL NOTES:

1. Dredged material shall be placed in the marsh creation area indicated on this drawing to the maximum extent practicable.
2. Dredged material in excess of that which is required to fill the marsh creation area shall be disposed of in the unconfined beach disposal areas on either side of West Belle Pass.
3. Dredged material placed in the unconfined beach disposal areas shall be discharged no closer than 100' and no further than 300' from TBL.
4. No direct discharge within the first 2,000' immediately east of the east jetty, nor within the first 300' immediately west of the west jetty.
5. Direct discharge not to exceed a lateral distance of 6,500' immediately to the west of the west jetty.
6. Maximum elevation of material placed within beach sites is +6.0 MLG.
7. Contractor shall not access the beach via mechanized equipment or damage existing structures.

MARSH CREATION DISPOSAL NOTES:

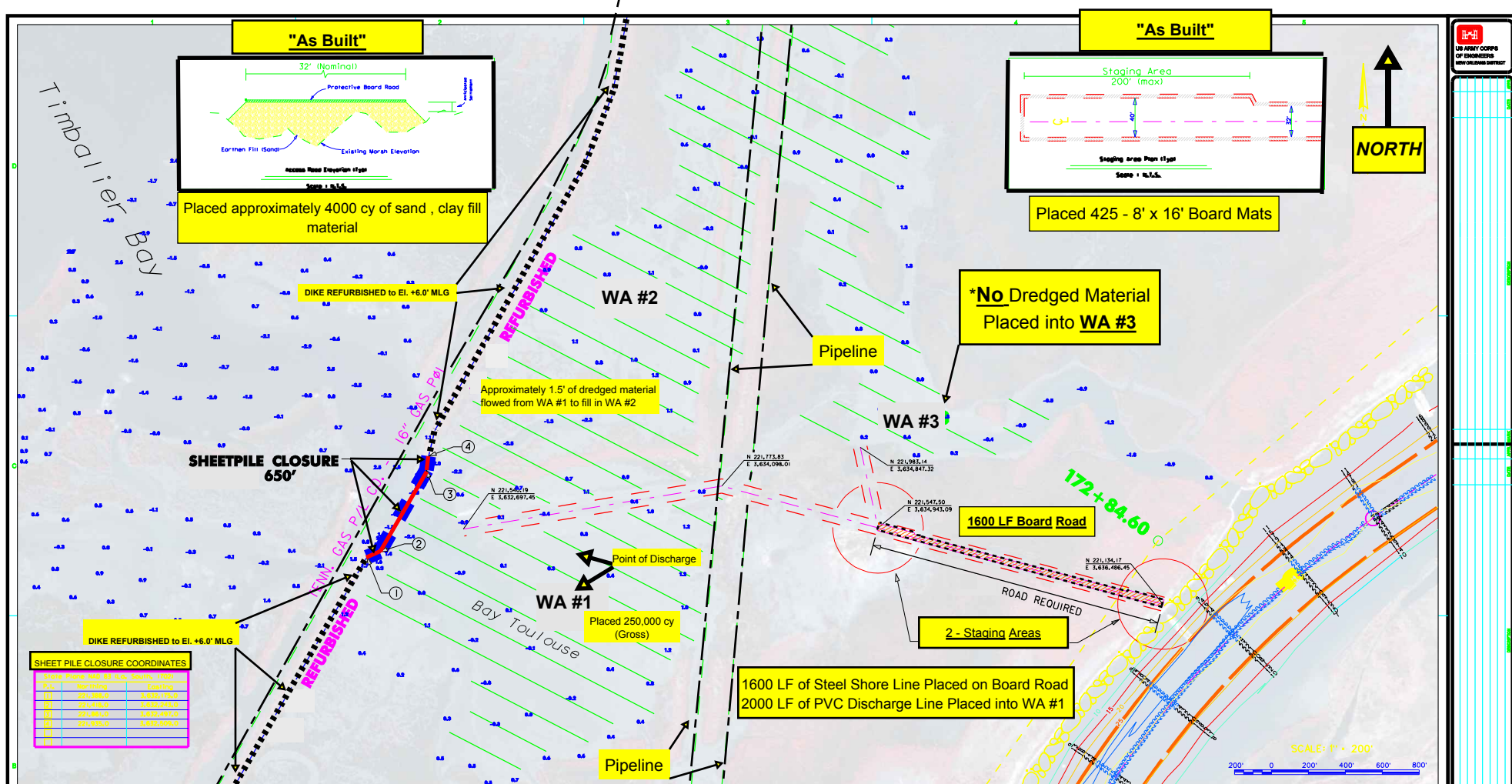
1. Dredged material shall be placed in the marsh creation areas (WA #1, #2, #3) to the maximum extent practicable, to an elevation of +3.5 MLG but shall at no time exceed +4.0 MLG.
2. The priority for dredged material placement shall be 1) Bay Toulouse (WA #1), 2) the bay north of Bay Toulouse (WA #2), 3) the canal from the interior of the project area to West Belle Pass (WA #3), and 4) either of the unconfined beach disposal areas adjacent to West Belle Pass.
3. The contractor shall refurbish the dike along the western side of the project area and construct vinyl sheet pile closure at Bay Toulouse.
4. No flotation shall be dug within the marsh creation area.
5. Access shall be through a previously disturbed, 75' wide, east-west corridor.
6. Within the 75' access corridor, the contractor shall construct a 32' (max) wide board road across areas of the access corridor that traverse marsh. Two 40' staging areas may be constructed as detailed on Drawing 3.
7. All construction (including discharge routing) shall occur on top of board road to the maximum extent practicable.



US ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT

PORT FOURCHON DISTRICT
MAINTENANCE DISTRICT
C/L STA. 215+00
LAFOURCHE PARISH, LA
PLAN - DREDGING

SHEET IDENTIFICATION NUMBER
C-02



Vinyl Closure Notes:

- 1) Vinyl, 3/8", 25' long Sheet Pile Closure
- 2) 200" Separator Geotextile Fabric hung from whaler on fill side
- 3) 35" Class B Treated (CCA) Timber Pile
- 4) 2" x 6" Treated timber whaler, each side
- 5) Field adjust alignment to ensure proper "tie-in" to existing dike along pipeline canal
- 6) Contractor shall construct closure prior to initiation of disposal operations.

Site Access Notes:

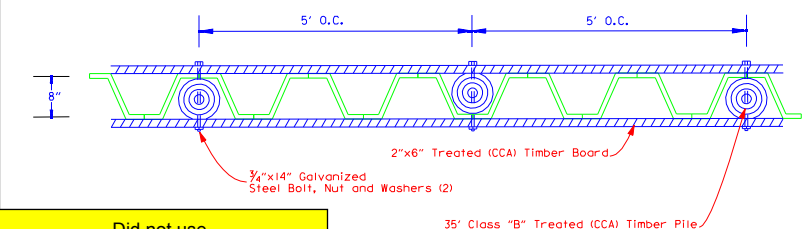
- 1) Access shall be via 75' wide corridor shown.
- 2) A 32' wide board road shall be constructed as detailed.
- 3) 2 staging areas are allowed measuring 40' wide by 200' long in the approximate locations detailed.
- 4) All access, staging, construction, etc. shall be on top of board road, to the maximum extent practicable.
- 5) Discharge pipeline shall extend beyond board road to achieve disposal elevation and maximize solids retention.
- 6) Fill shall be placed prior to board road construction

Site Access Notes (continued):

- 7) and included in the contract price for "Access Road".
- 8) Fill elevation shall be adjusted upon completion to mimic natural ground.
- 9) Vehicles shall be restricted to non-vegetated areas, open water, or the board road.
- 10) Floatation shall NOT be dug within the marsh creation disposal area.
- 11) Access routes and staging areas shall be clearly marked and their limits strictly adhered to.

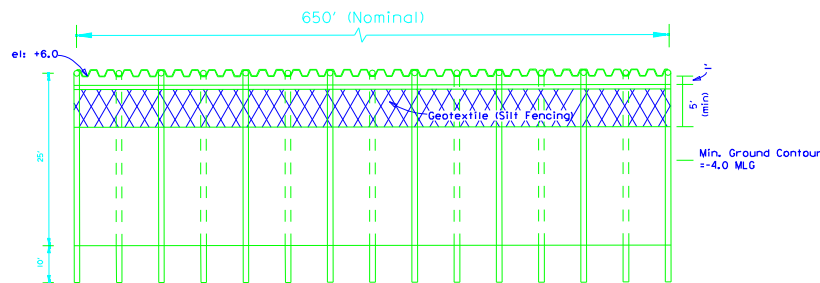
Marsh Creation Notes:

- 1) Target el. = +3.5' MLG.
- 2) Maximum elevation allowed = +4.0 MLG.
- 3) Priority areas for disposal (in descending order) = WA#1, WA#2, WA#3, and unconfined beaches.
- 4) Contractor shall refurbish existing dike along east side of Tenn. Gas P/L canal as necessary to maintain 2' of freeboard.
- 5) Contractor shall relocate discharge pipe as needed to provide level, flat marsh platform.



Did not use.
Contractor approved Plan was Used.
*See Attached
DWG 46442w03b

Vinyl Sheet Pile Closure Plan (Typ)
N.T.S.



Placed 325 - 2' x 25', 3/8" Vinyl Sheets

Vinyl Sheet Pile Closure Elevation (Typ)
N.T.S.

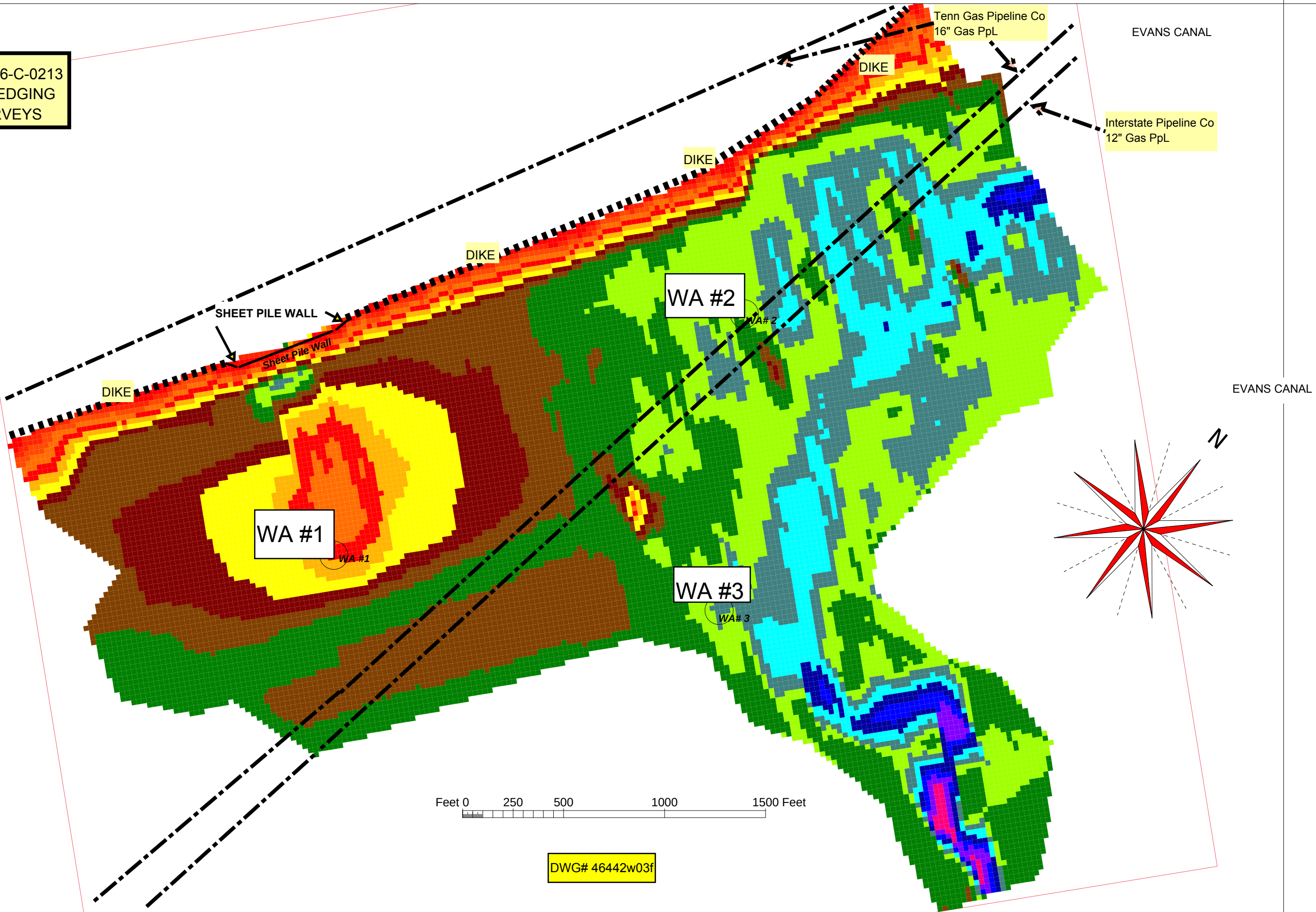
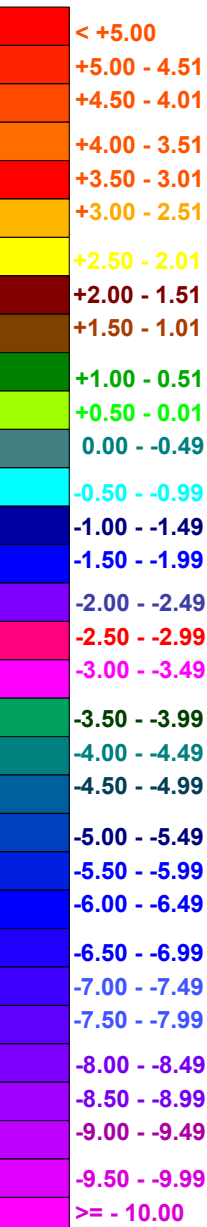
"As Built"

Weeks Marine Inc.

Survey Taken: 4-25-07

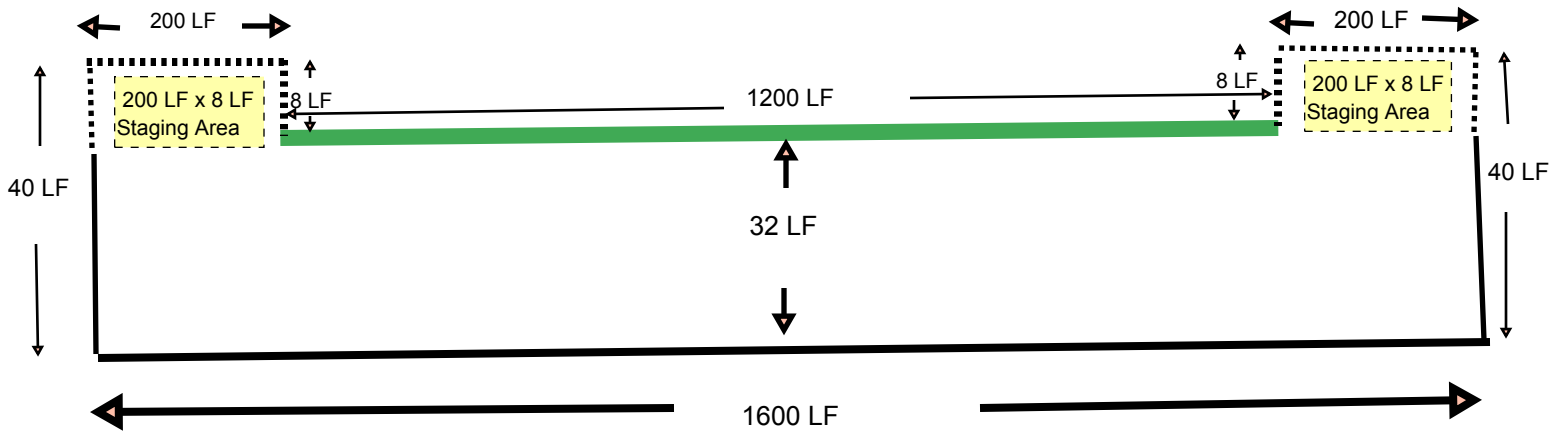
CONTRACT: W912P8-06-C-0213
PORT FOURCHON DREDGING
AFTER DISPOSAL SURVEYS

Vertical Datum: MLG



DWG# 46442w03f

W912P8-06-C-0213
Port Fourchon Dredging
Weeks Marine, Inc
ACCESS ROAD
"AS BUILT"
Payment Item # 0004

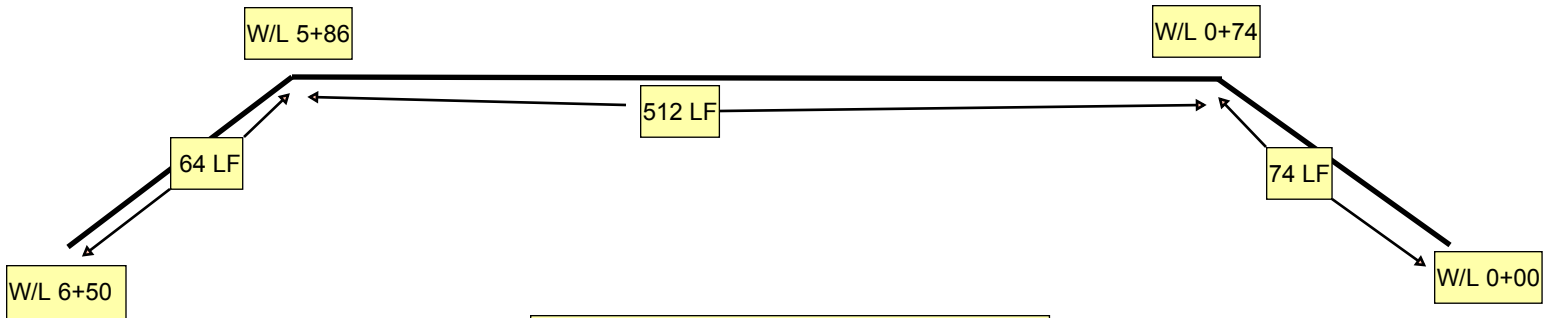


$32' \times 1600' = 51,200 \text{ Sq Ft}$
Plus 2 ($8' \times 200'$) Staging Areas = 3,200 Sq Ft
54,400 Sq Ft

*Subcontractor hauled and placed approximately
4,000 cy of Clay material for the Access Road Base
400 ($8' \times 16'$) Board Mats were placed for the Road
25 ($8' \times 16'$) Board Mats were placed for the Staging Areas
Grand Isle Shipyard was the subcontractor

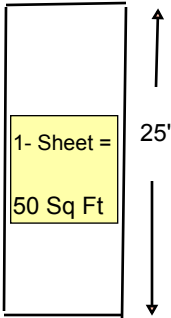
Mayo J. Broussard, COE-QAR
MJB, COE-QAR

W912P8-06-C-0213
Port Fourchon Dredging
Weeks Marine, Inc
Sheet Pile Closure Wall
Field Verification
"AS BUILT"
Payment Item #0003



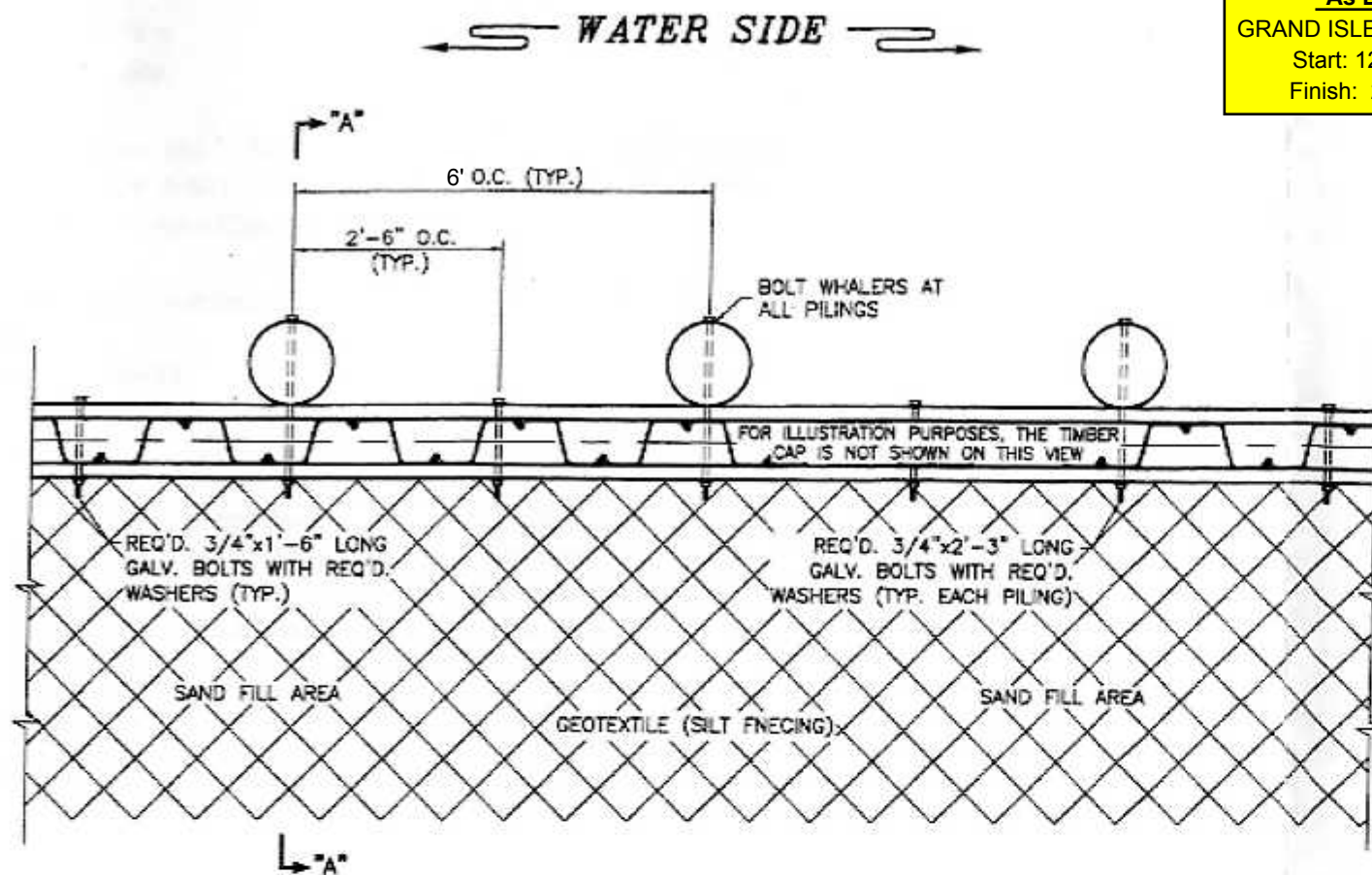
Total Sheet Pile Wall Length = 650 LF
325 Sheets x 50 Sq Ft/ Sheet = 16,250 Sq Ft

2'



650 LF/ 2 Ft per Sheet = 325 Vinyl Sheets

Mayo J. Broussard, COE-QAR
MJB, COE-QAR

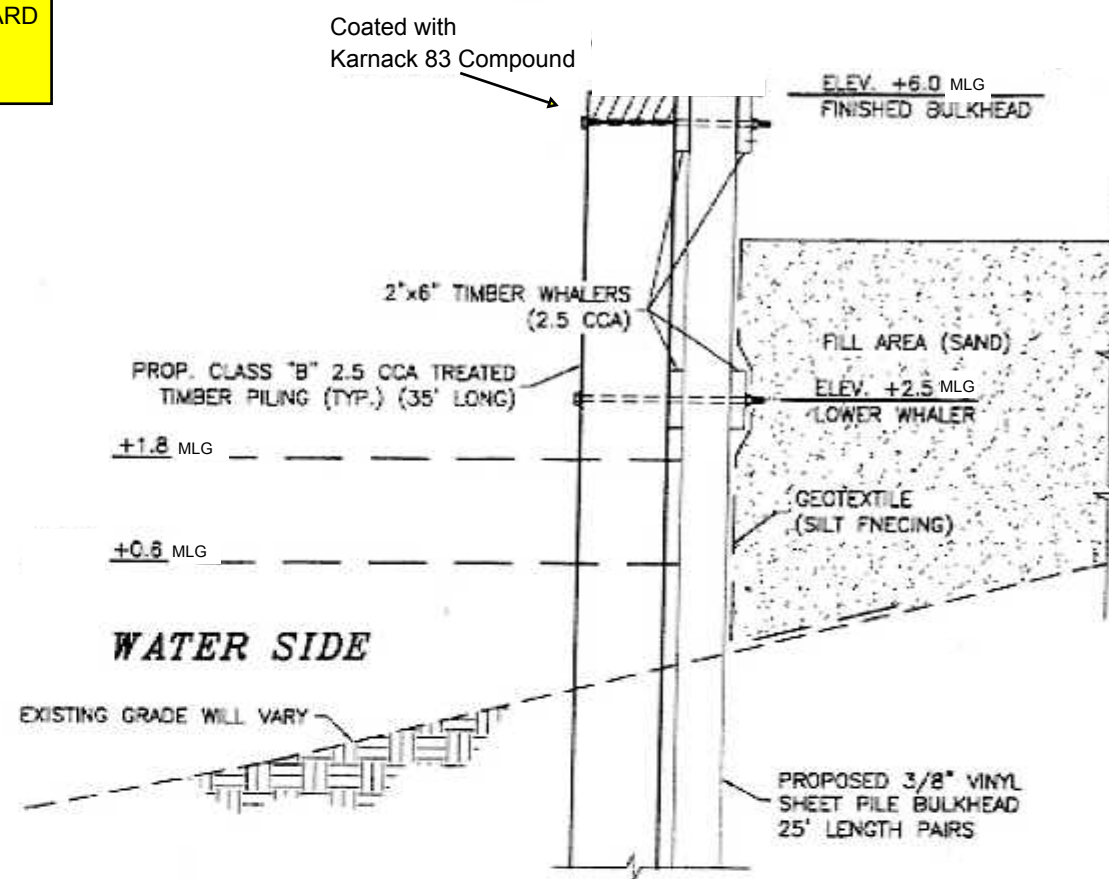


TYPICAL BULKHEAD PLAN VIEW
SCALE: 3/8" = 1'-0"

110 - 35' Treated Wood Piles @ Tip El. -28.0' MLG
325 - 3/8", 2' x 25' Vinyl Sheet Piles @ Tip El. -18.0 MLG
2600 LF - 2" x 6" Treated Timber Whales
650 LF - Geotextile Silt Fabric
110 - 35' Wood Piles coated with Karnack 83 Compound
3/4" Galvanized Bolts with Nuts and Washers
*Wood Piles and Vinyl Sheets driven with Vibratory Hammer, Model ICE 214

DWG# 46442w03b

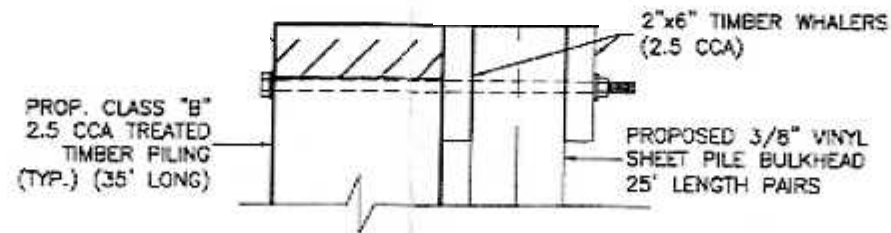
"As Built"
GRAND ISLE SHIPYARD
Start: 12-22-07
Finish: 2-27-07



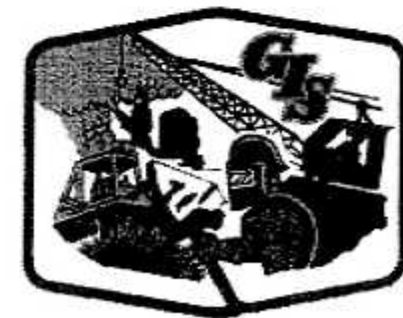
TYPICAL SECTION "A"-A
SCALE: 3/8" = 1'-0"

GENERAL NOTES:

1. ALL TIMBER SHALL BE 2.5 CCA TREATED ROUGH CUT.
2. THE TIMBER CAP SHALL BE NAILED TO THE TOP WHALERS USING 60d GALVANIZED NAILS AT 12" ON CENTERS.
3. ALL HARDWARE SHALL BE GALVANIZED.



TIMBER - WHALER DETAIL
NO SCALE



SHEET NO. 1 OF 1	 PICCIOLA & ASSOCIATES CONSULTING ENGINEERS & SURVEYORS CUT OFF, LOUISIANA	PROPOSED BULKHEAD DESIGN GRAND ISLE SHIPYARD, INC.	JOB NO.: GIS-BHD SCALE: AS SHOWN	DATE: 10/23/06 DRAWN BY: T.P.C.
---------------------	--	--	-------------------------------------	------------------------------------

Safety is a Part
of Your Contract

"As Built"
GRAND ISLE SHIPYARD
SubContractor
Start: 6-22-07
Finish: 8-05-07

WEEKS MARINE, INC
Prime Contractor

1/2" DIA WIRE ROPE

ANGLE STAPLE AS MUCH AS POSSIBLE WITH RESPECT TO WIRE ROPE

STAPLE ORIENTATION
N.T.S.

Revision #1: 5-21-2007
Change Bolt Specification to
Req'd 3/4" A307A, Galv. Bolts with
Req'd Nuts and Washers (TYP)

Deleted

Revision #1: 5-21-2007
Change Bolt Specification to
Req'd 3/4" A307A, Galv. Bolts with
Req'd Nuts and Washers (TYP)

Deleted

Coated Pile Tops with
Karnack 83 Compound

TRIM FOR TIGHT BEARING

6"

6"

1'-0"

TWISTED END

2 WIRE ROPE CLAMPS
TO SECURE FIRST TURN
TO LAST TURN

1 STAPLE PER TURN ON EACH PILE
AFTER TIGHTENING AND SECURING WITH CLAMPS

4 - COMPLETE TURNS OF WIRE ROPE
EACH DRAWN TAUT WITH MECHANICAL POWER
3 STAPLES TO SECURE FIRST TURN

"As Built"
WIRE ROPE SECURING DETAIL
PILE CLUSTER
N.T.S.

Placed 110 LF of
Geotextile Silt Fabric

Technical drawing of a retaining wall cross-section. The wall consists of a chain-link fence supported by a concrete base. The base is reinforced with 8" x 8" x 3' Treated timber blocking. The wall is filled with sand (SAND FILL AREA) and covered with a geotextile (silt fencing). The wall is supported by a concrete base with a width of 8" O.C. (TYP.) +/-.

Labels and dimensions:

- SAND FILL AREA
- GEOTEXTILE (SILT FENCING)
- REQ'D. 3/4" A307A GALV. BOLTS WITH REQ'D. WASHERS (TYP.)
- 8" O.C. (TYP.) +/-
- TIMBER BLOCKING
- 8" x 8" x 3' Treated

BAYOU SIDE

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

"As Built"

RePlumb, Repair Wall Line
W/L Sta 3+00 to 3+12
50' Vertical Wood Piles: 2
50' Batter Wood Piles: 2
W/L Sta 3+96 to 4+20
50' Vertical Wood Piles: 3
50' Batter Wood Piles: 3

New Wall Construction
W/L Sta 3+12 to 3+96
50' Vertical Wood Piles: 20
50' Batter Wood Piles: 20

DREDGE SPOIL SIDE

BAYOU SIDE

TRIM FOR TIGHT BEARING

"As Built"

EL. +10 +/-

REQ'D. 3/4" **A307A**
GALV. BOLTS WITH REQ'D.
WASHERS (TYP.)

SEE WIRE ROPE SECURING DETAIL

NOTE:
THE TIMBER CAP SHALL BE NAILED TO
THE TOP WALES USING 60D GALVANIZED
NAILS AT 12" ON CENTERS.

NOTE:
THE TIMBER CAP SHALL BE NAILED TO
THE TOP WALES USING 60d GALVANIZED
NAILS AT 12" ON CENTERS.

TYPICAL BULKHEAD ELEVATION

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

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

Vertical 50' Wood Pile
Tip Elevation: -39.0' MLG

Batter 50' Wood Pile
Tip Elevation: -31.0' MLG

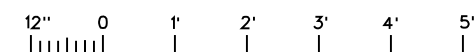
Vinyl Sheet Pile
Tip Elevation: -18.0' MLG

BULKHEAD REPAIR PLAN

DWG# 46442w03c



SCALE: $\frac{3}{4}" = 1' - 0"$

[illegible]

U. S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS MISSISSIPPI VALLEY DIVISION		DESIGNED BY:	DATE:
DRAWN BY:	CDD BY:	SOLUTION NO.:	
SUBMITTED BY:	CONTRACT NO.:		
FILE NAME:	FILE NUMBER:		
SIZE:	PLLOT SCALE:	PLOT DATE:	

SKETCH 001

**SHEET
IDENTIFICATION
NUMBER**



Safety is a Part
of Your Contract

**US ARMY CORPS
OF ENGINEERS
NEW ORLEANS DISTRICT**

[illegible]

U. S. ARMY ENGINEER DISTRICT CORP'S OF ENGINEERS MISSISSIPPI VALLEY DIVISION	DESIGNED BY:		DATE:
	DRAWN BY:	CHECKED BY:	REVISION NO.:
	SUBMITTED BY:		CONTRACT NO.:
FILE NAME:			FILE NUMBER:
SIZE:	PLOT SCALE:	PLOT DATE:	

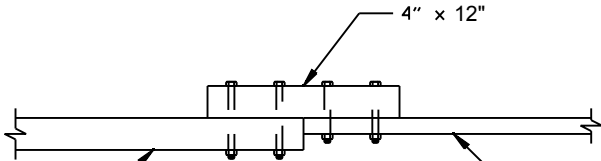
**U. S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MISSISSIPPI VALLEY DIVISION**

**SHEET
IDENTIFICATION
NUMBER**

"As Builts"

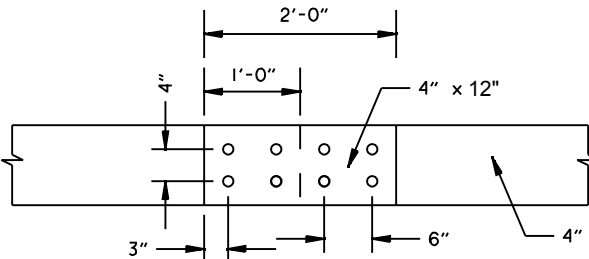
NOTE:

ALL BOLTS SHALL BE 3/4" A307A GALV.
BOLTS WITH REQ'D. WASHERS (TYP.)



TIE-IN DETAIL

SCALE: 1" = 1'-0"

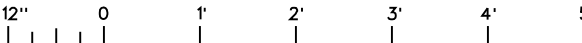


SPLICE DETAIL

SCALE: 1" = 1'-0"



SCALE: 1" = 1'-0"





Gap 1 –

**25 ft wide to pre-project elevation
stockpile material on road bed**



Excavated with 240 Link Belt Trackhoe
to Pre-Project Elevation and stockpiled
on incoming side of Access Road.
Conducted on 8-15-07

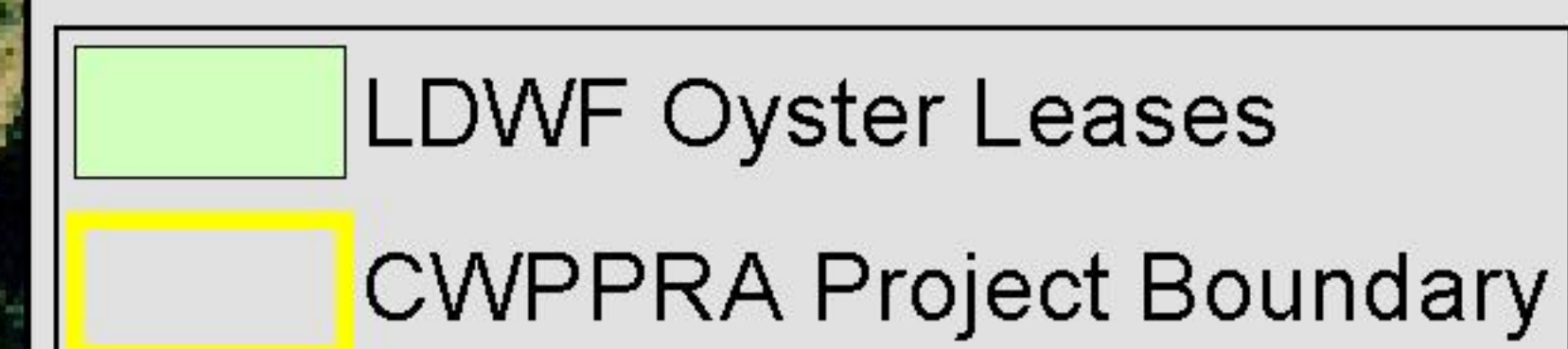
Gap 2 –

**25 ft wide to pre-project elevations
stockpile material on road bed**



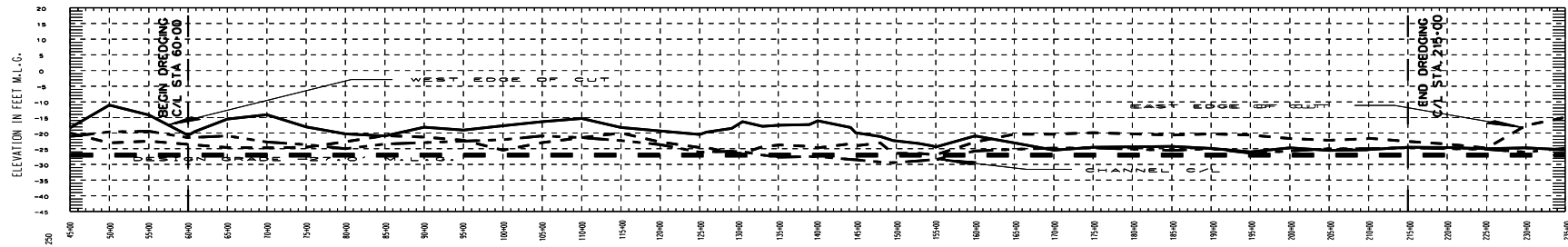
Excavated with 240 Link Belt Trackhoe
to Pre-Project Elevation and stockpiled
on incoming side of road bed.
Conducted on 8-15-07.

TE-23 and Adjacent Oyster Leases

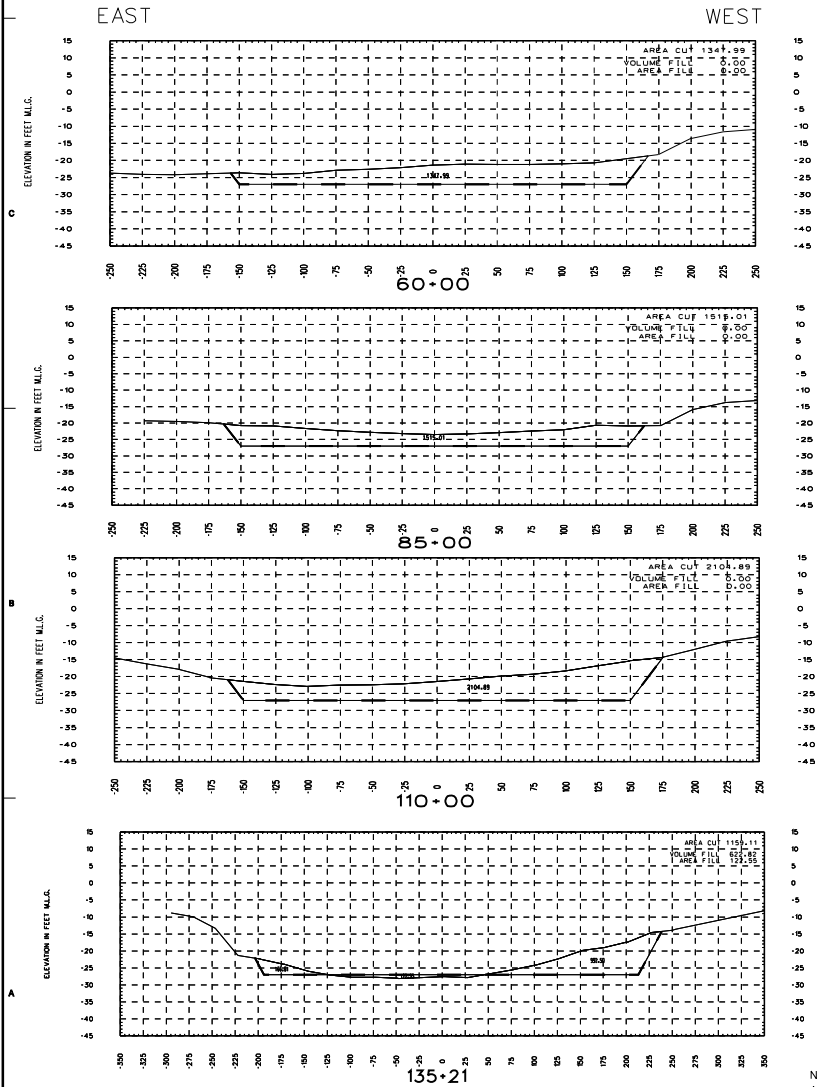


Data Source:
 U.S. Department of the Interior
 U.S. Geological Survey
 National Wetlands Research Center
 Coastal Restoration Field Station
 Louisiana Department of Natural Resources
 Coastal Restoration Division
 Source of Oyster Information:
 Louisiana Department of Wildlife & Fisheries
 Oyster Survey Section, New Orleans, LA
 Data are current as of November 2002
 Image Source:
 1998 Digital Orthophotography
 Map Date: January 24, 2003
 Map ID: USGS-NWRC 2003-11-129



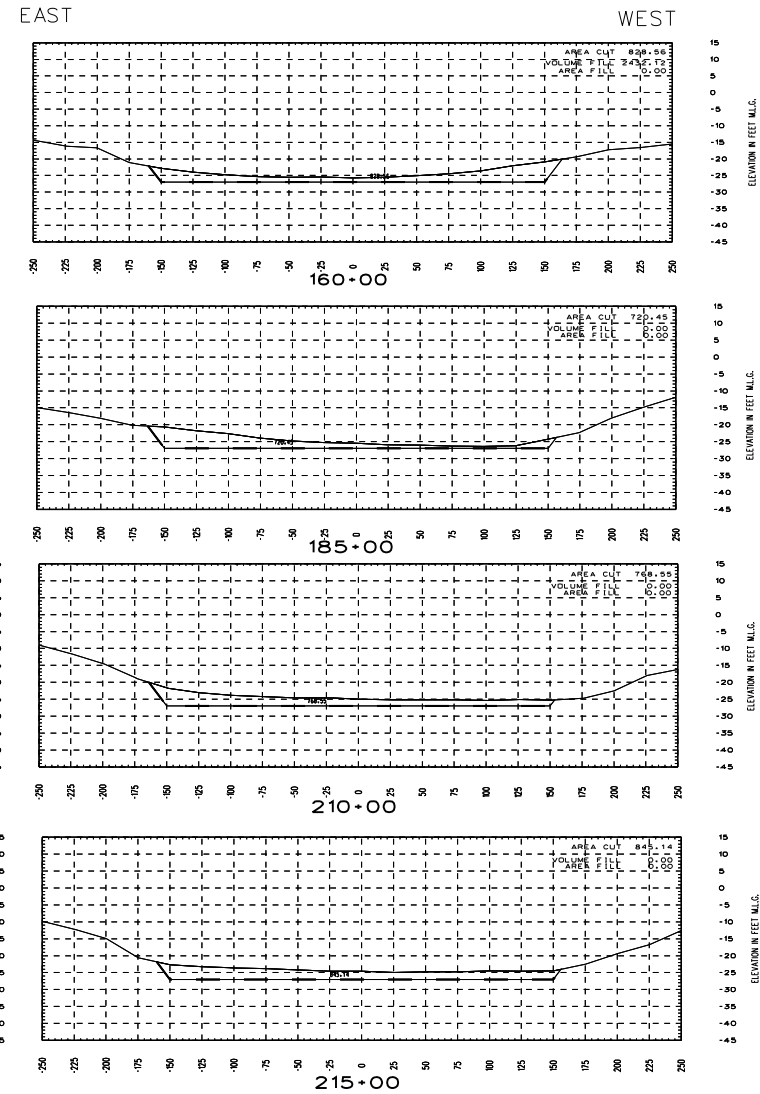


CHANNEL PROFILE



CHANNEL CROSS SECTIONS

- NOTES:
1. DESIGN GRADE -27.0' M.L.G.
 2. CHANNEL SIDE SLOPES ARE 1V ON 2H.
 3. CHANNEL CONDITIONS ARE REPRESENTATIVE OF CONDITIONS THAT EXISTED ON 27 SEPT 2005.
 4. CHANNEL TEMPLATE FLARES AROUND CURVE NUMBER 3 AS DETAILED ON DRAWING 2.



 U.S. ARMY CORPS OF ENGINEERS WATERWAYS DIVISION	
PROJECT: MAINTENANCE DREDGING DRAWING: C-04 SHEET: 1 OF 1	
LOCATION: MAINTENANCE DREDGING DRAWING: C-04 SHEET: 1 OF 1	
DATE: 27 SEPT 2005 BY: [Signature] CHECKED: [Signature] APPROVED: [Signature]	