U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL MARINE FISHERIES SERVICE
and
STATE OF LOUISIANA
DEPARTMENT OF NATURAL RESOURCES, COASTAL ENGINEERING DIVISION

Plans of Proposed
POINT AU FER ISLAND – BREACH REPAIRS
PROJECT TE–22
TERREBONNE PARISH, LOUISIANA
January 2005

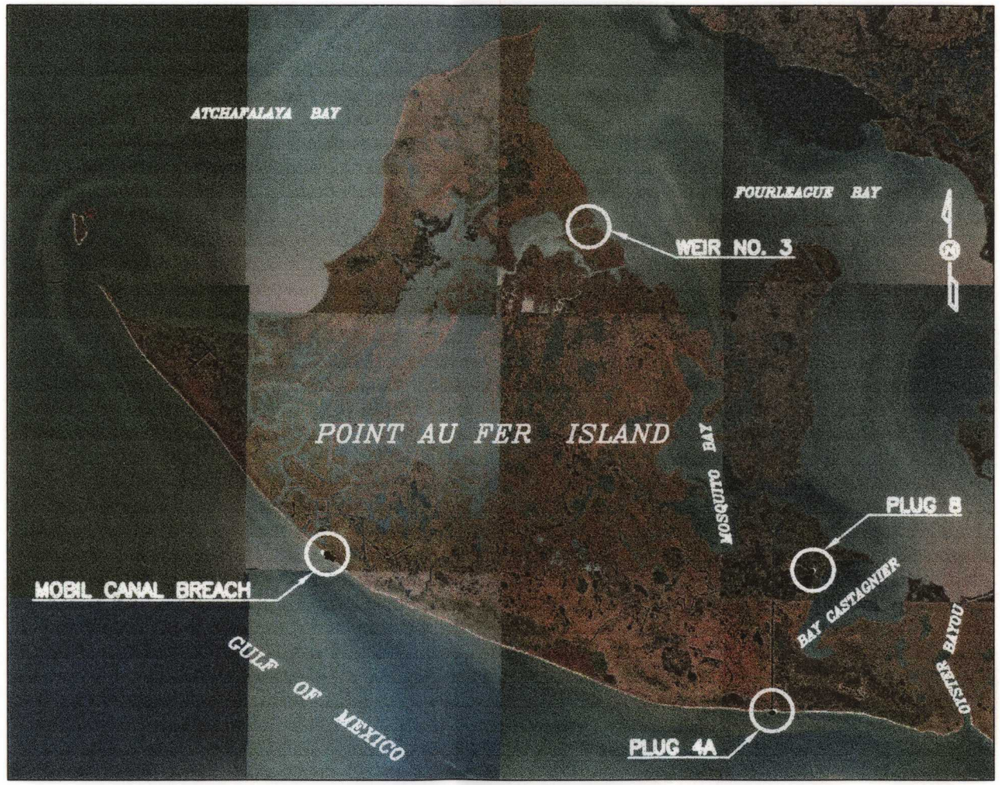
STATE VICINITY MAP
N.T.S.

AS BUILT

INDEX TO SHEETS:

SHEET NO.	DESCRIPTION:
1	TITLE SHEET, STATE AND LOCAL VICINITY MAPS
2	SUMMARY OF ESTIMATED QUANTITIES, GENERAL AND TECHNICAL NOTES
3	OVERALL SITE PLAN
4	SITE PLAN – MOBIL CANAL BREACH
5	SITE PLAN – PLUG 4A
6	SITE PLAN – PLUG 8
7	VINYL BULKHEAD DETAILS – PLUG 8
8	SITE PLAN – WEIR NO. 3

TOTAL NO. OF SHEETS 8



LOCATION MAP
SCALE: 1" = 6,000'

RECOMMENDED FOR APPROVAL

DNR/CED PROJECT ENGINEER — DATE

DNR/CED ENGINEER MANAGER — DATE

DNR/CED DIRECTOR — DATE

PREPARED BY:
PICCIOLA & ASSOCIATES, INC.
JOSEPH C. PICCIOLA, II — DATE 10/04/05

STATE OF LOUISIANA
Joseph C. Picciola II
REG. No. 25614
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
10/04/05

REVISIONS:

DATE:	REMARKS:
04–28–05	ADDED SITE AND SHEET, PLAN CHANGES
10–03–05	AS BUILT

PICCIOLA & ASSOCIATES, INC.
CIVIL ENGINEERS — NAVAL ARCHITECTS
LAND SURVEYORS — MARINE ENGINEERS
P.O. BOX. 687
CUT OFF, LOUISIANA 70345
(985) 632–5786

DRAWING PLOTTED AT HALF–SCALE

J.N. 0204–0401

POINT AU FER ISLAND – BREACH REPAIRS
PROJECT TE-22
TERREBONNE PARISH, LOUISIANA

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	LUMP SUM
2	STONE RIPRAP (250 lb. CLASS)	TONS	3,450
3	STONE RIPRAP (55 lb. CLASS)	TONS	NONE
4	GEOTEXTILE FABRIC	SQ. YD.	2,890
5	TIMBER PILINGS (2.5 CCA TREATED) 40' LONG	LIN. FT.	440
6	PILING CAPS (GALVANIZED)	EACH	7
7	VINYL SHEET PILING BULKHEAD (NORTHSTAR 3100 OR APPROVED EQUAL)	LIN. FT.	61
8	2"x8" TIMBER WHALER (0.8 CCA TREATED)	LIN. FT.	122
9	2"x8" TIMBER WHALER (2.5 CCA TREATED)	LIN. FT.	122
10	2"x12" TIMBER CAP (0.8 CCA TREATED)	LIN. FT.	61
11	GALVANIZED HARDWARE FOR VINYL BULKHEAD	LUMP SUM	LUMP SUM
12	ARTICULATED MAT (SUBMAR 20'x8'x4.5" THICK) OR EQUAL	EACH	7

3,336 TONS (AS BUILT)

GENERAL NOTES:

1. BASIC HORIZONTAL AND VERTICAL CONTROL POINTS HAVE BEEN ESTABLISHED OR DESIGNATED BY THE ENGINEER AND ARE SHOWN ON THE PLANS. CONTRACTOR SHALL MAINTAIN AND PROTECT FROM DAMAGING OR DISLOCATING THESE CONTROLS AND SHALL PERFORM ALL ADDITIONAL SURVEY, LAYOUT, AND MEASUREMENT WORK USING THESE CONTROLS.

2. CONTRACTOR SHALL VERIFY EXISTING GRADES, ELEVATIONS, AND LOCATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

3. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, RULES AND REGULATIONS OF THE LOUISIANA STATE POLICE, THE TERREBONNE AND ST. MARY PARISH SHERIFF'S OFFICES, DNR, USCG, FEDERAL AUTHORITIES, STATE AND PARISH HEALTH DEPARTMENTS AND OTHER STATE OR PARISH AUTHORITIES HAVING REGULATIONS AND JURISDICTIONAL RIGHTS APPLICABLE TO THE WORK OR JOB SITES.

4. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND PARISH LAWS CONCERNING POLLUTION OF WATERWAYS, AND PROTECTION OF SHELLFISH, FISH, WATERFOWL, WILDLIFE AND DOMESTIC ANIMALS.

5. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER AS TO CAUSE THE LEAST POSSIBLE INTERFERENCE WITH BOTH THROUGH AND LOCAL MARINE TRAFFIC.

6. CONTRACTOR SHALL EMPLOY EFFECTIVE MEASURES TO CONTROL EROSION OF NATURAL AND CONSTRUCTED SURFACES.

7. THE SAFETY HAZARDS PROMULGATED BY AND THE PRECAUTIONS DEFINED WITHIN SAME OF THE OSHA, THE USCG AND ALL OTHER REGULATING AUTHORITY HAVING JURISDICTION AND THAT ARE APPLICABLE TO THE WORK SHALL BE ADHERED TO AND ENFORCED BY THE CONTRACTOR.

8. TEMPORARY UTILITIES AND SANITARY FACILITIES FOR OPERATION OF THE CONTRACTOR'S PLANT OR EQUIPMENT SHALL BE PROVIDED AND MAINTAINED AT THE EXPENSE OF THE CONTRACTOR.

9. COASTAL USE PERMITS WILL BE PROVIDED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OTHER PERMITS.

10. CONSTRUCTION SERVITUDES FOR ALL WORK AND RIGHT-OF-ENTRY ONTO THE SITE WILL BE PROVIDED BY OWNER.

11. ALIGNMENTS AND/OR ELEVATIONS MAY BE ADJUSTED IN THE FIELD BY THE PROJECT ENGINEER TO MEET CHANGING FIELD CONDITIONS OR TO BETTER ASSURE ACCOMPLISHMENT OF PROJECT OBJECTIVES. ANY ADDITIONAL QUANTITIES WILL BE PAID FOR AT THE UNIT PRICE BID FOR THE SPECIFIC ITEM.

12. CONTRACTOR SHALL NOT BE ALLOWED TO IMPEDE DRAINAGE DURING RAINSTORMS OR WHEN A RAINSTORM IS IMMINENT.

13. DUE TO CHANGING FIELD CONDITIONS, SHORELINES SHALL NOT BE USED AS CONSTRUCTION REFERENCE POINTS.

14. X AND Y COORDINATES ARE BASED ON NAD 83; LATITUDES AND LONGITUDES ARE BASED ON NAD 83; ELEVATIONS ARE BASED ON NAVD 88; SOUNDINGS REFERENCE WATER LEVEL SHOWN.

TECHNICAL NOTES:

1. THE CONTRACTOR IS NOTIFIED THAT THE WORK SITE IS ACCESSED THROUGH THE ATCHAFALAYA DELTA WILDLIFE MANAGEMENT AREA UNDER THE JURISDICTION OF THE LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES. ALL PERSONNEL SHALL ABIDE BY THE MANAGEMENT AREA RULES AND REGULATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NAVIGATING WITHIN THE LIMITS OF THE PROJECT AREA.

3. THE CONTRACTOR IS NOTIFIED THAT THE PROJECT SITE IS TOTALLY ON OR ADJACENT TO PRIVATE OR STATE PROPERTY. EXTREME CAUTION SHALL BE EXERCISED IN PROTECTION OF PROPERTY, HABITAT AND WILDLIFE FROM DAMAGE OR HARM.

4. THE CONTRACTOR IS NOTIFIED THAT HE WILL BE CONDUCTING HIS OPERATIONS IN THE VICINITY OF UTILITIES, PIPELINES, FLOWLINES, OIL AND GAS STRUCTURES AND OTHER MINERAL OPERATIONS. THE CONTRACTOR SHALL LOCATE ALL SUCH STRUCTURES IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

5. A LISTING OF ALL COMPANIES KNOWN TO BE CONDUCTING MINERAL OPERATIONS AND HAVE ACTIVE WELLS AND/OR PIPELINES IN THE VICINITY WILL BE PROVIDED FOR REFERENCE. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHETHER THERE ARE OTHERS. CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL 72 HOURS PRIOR TO CONSTRUCTION AT 1-800-272-3020.

6. DREDGING/FLOTATION CHANNELS ARE PROHIBITED ON THIS JOB.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING PIPELINE OPERATORS 48 HOURS IN ADVANCE OF THE WORK. IF NECESSARY ALL PIPELINES SHALL BE MARKED WITH BUOYS BY THE CONTRACTOR USING THE COORDINATES GIVEN. THE CONTRACTOR SHALL MAINTAIN BUOYS DURING CONSTRUCTION OR HAVE ADEQUATE NAVIGATIONAL EQUIPMENT ON THE PILE DRIVER TO AVOID DRIVING PILINGS IN RESTRICTED AREAS.

LAND MANAGER:

ALLAN ENSMINGER (337) 462-0762

STATE OF LOUISIANA
Joseph C. Piciola II
REG. No. 25014
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
10-04-05

AS BUILT

REVISIONS:

DATE:	REMARKS:
04-28-05	ADJUSTED QUANTITIES, PLAN CHANGES
10-03-05	AS BUILT

PICCIOLA & ASSOCIATES, INC.
CIVIL ENGINEERS
LAND SURVEYORS
NAVAL ARCHITECTS
MARINE ENGINEERS
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(985) 632-5798

LA. DEPT. OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION

SUMMARY OF ESTIMATED QUANTITIES
GENERAL AND TECHNICAL NOTES

DESIGNED BY: J.C.P.
DRAWN BY: L.M.C.
CHECKED BY: J.C.P.
DATE: 1-25-05
SCALE: SHOWN
SHEET NO. 2 OF 8

J.N. 0204-0401

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NOTE:

HORIZONTAL CONTROL IS BASED ON NAD 83 – LOUISIANA SOUTH ZONE (1702) FEET

VERTICAL CONTROL IS BASED ON NAVD 88 IN FEET

2000 0 2000 4000 6000

SCALE: 1" = 2000'

DESCRIPTION OF THE BENCHMARKS ON WHICH THE SURVEY IS BASED:

NGS STYLE FLOATING SLEEVE MONUMENT: STAINLESS STEEL SECTIONAL RODS DRIVEN TO REFUSAL WITHIN A GREASED SLEEVE AND SAND FILLED 6" PVC PIPE WITH PROTECTIVE COVER AND IS SET FLUSH WITH THE GROUND.

NAME/STAMPING	LATITUDE (NAD 1983)	LONGITUDE (NAD 1983)	"X" (NAD 1983)	"Y" (NAD 1983)	ELEVATION (N.A.V.D) (VERT. 198
AT04-SM-03	29°19'36.257014"N	91°16'41.100726"W	3,298,439.70	300,664.12	3.54 FEET
TE26-SM-01	29°17'06.548688"N	91°16'54.716855"W	3,297,241.21	285,540.95	1.09 FEET
TE22-SM-01	29°15'31.488404"N	91°11'06.170200"W	3,328,119.41	275,965.43	1.98 FEET

STATE OF LOUISIANA
Joseph C. Picciola II
REG. No. 25054
REGISTERED
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

10-03-05

AS BUILT

DRAWING PLOTTED AT HALF-SCALE

POINT AU FER ISLAND - BREACH REPAIRS
PROJECT TE-22
TERREBONNE PARISH, LOUISIANA

SHEET NO.	SCALE:	DATE:	CHECKED BY:	DRAWN BY:	DESIGNED BY:
3 OF 8	SHOWN	1-25-05	J.C.P.	L.M.C.	J.C.P.

LA. DEPT. OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION

OVERALL SITE PLAN

PICCIOLA & ASSOCIATES, INC.
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LAND SURVEYORS MARINE ENGINEERS
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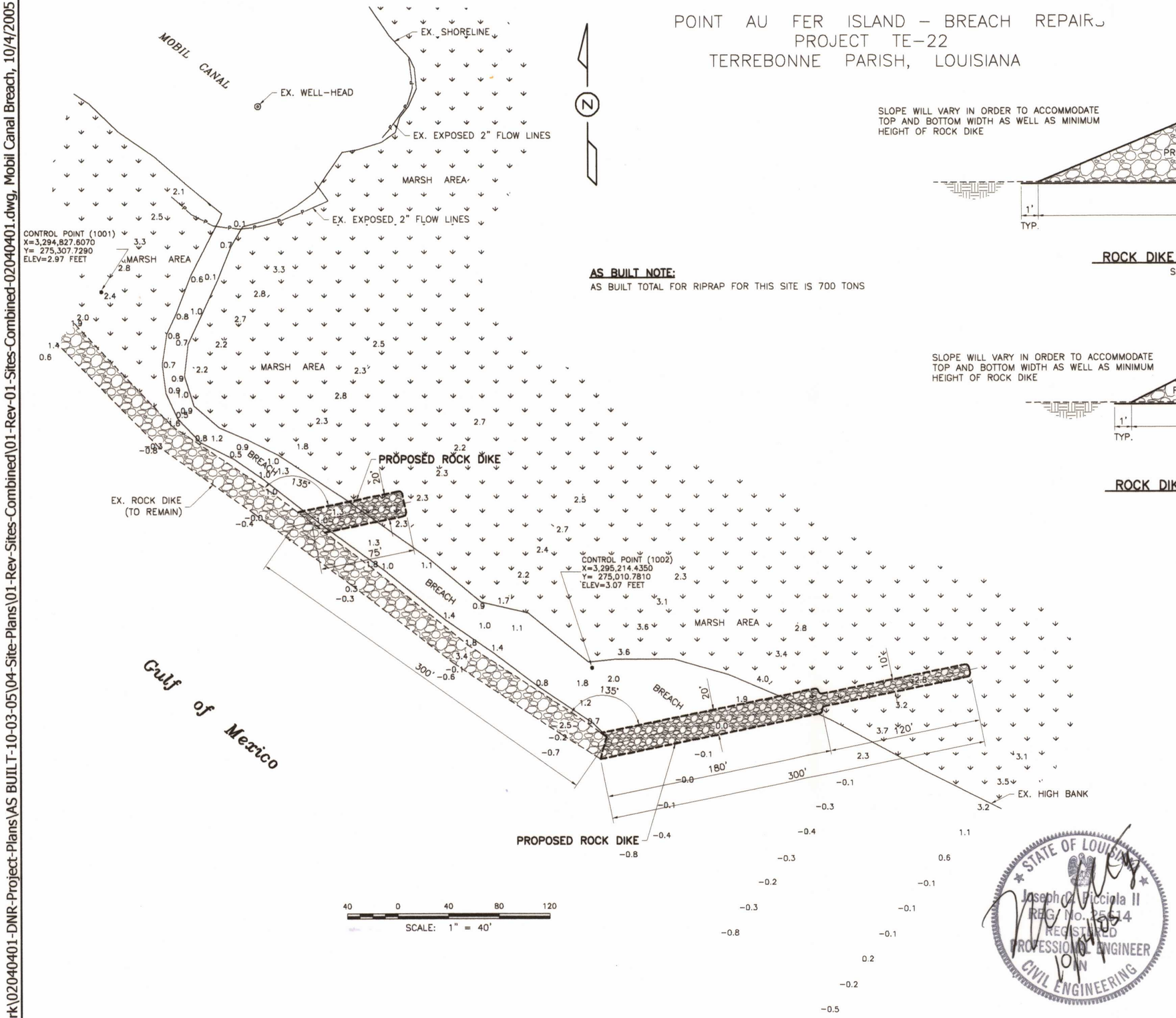
(985) 632-5786

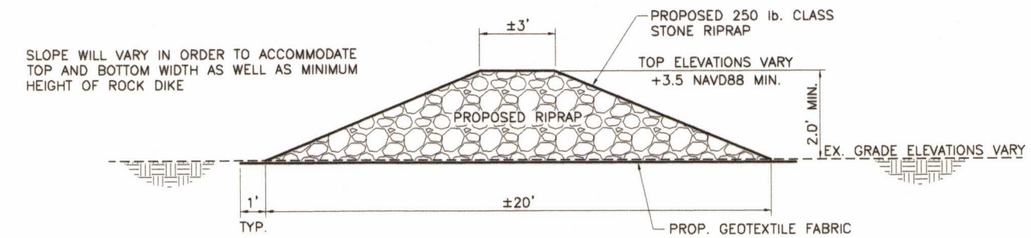
REVISIONS:

DATE:	REMARKS:
04-28-05	ADDED SITE, PLAN CHANGES
10-03-05	AS BUILT

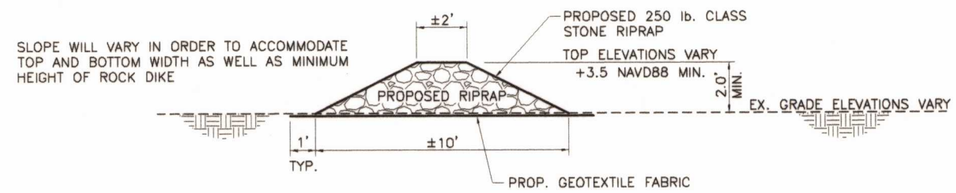
POINT AU FER ISLAND – BREACH REPAIRS
PROJECT TE-22
TERREBONNE PARISH, LOUISIANA



AS BUILT NOTE:
AS BUILT TOTAL FOR RIPRAP FOR THIS SITE IS 700 TONS



ROCK DIKE – BREACH SECTION
SCALE: 1" = 3'



ROCK DIKE – MARSH SECTION
SCALE: 1" = 3'

CONSTRUCTION NOTES:

1. GEOTEXTILE FABRIC SHALL HAVE A MINIMUM 5' OVERLAP AT THE ANY INTERSECTIONS.

2. CONTRACTOR MAY HAVE TO REMOVE AND REPLACE SOME EXISTING RIPRAP IN ORDER TO MAKE A SMOOTH TRANSITION INTO THE EXISTING RIPRAP.

3. SIZE AND TYPE OF RIPRAP SHALL BE 250 lb. CLASS STONE.

4. CONTRACTOR SHALL FOLLOW THE CONTOUR OF EXISTING GRADE. NO EXISTING MATERIAL SHALL BE CUT OR REMOVED.

5. ACCESS TO THIS SITE SHALL BE LIMITED TO GULF SIDE ONLY.

CONTROL NOTES:

1. HORIZONTAL CONTROL IS BASED ON NAD 83 – LOUISIANA SOUTH ZONE (1702) FEET
VERTICAL CONTROL IS BASED ON NAVD 88 IN FEET

2. CONTROL POINTS SET BY OUR SURVEYOR AT EACH SITE CONSIST OF 1"x4' LONG GALVANIZED IRON PIPES DRIVEN TO WITHIN 1" FROM BEING FLUSH WITH GROUND.

GENERAL NOTES:

1. PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY SUB-SURFACE PIPELINES OR STRUCTURES THAT MAY BE AT OR NEAR EACH SITE. CONTRACTOR SHALL WORK CLOSELY WITH ANY COMPANY THAT MAY HAVE SUCH PIPELINES OR STRUCTURES IN THE AREA. CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL 72 HOURS PRIOR TO CONSTRUCTION AT 1-800-272-3020.

2. SEE SHEET 2 FOR ADDITIONAL GENERAL AND TECHNICAL NOTES.

STATE OF LOUISIANA
Joseph C. Picciola II
REG. No. 25514
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
10/4/05

AS BUILT

DRAWING PLOTTED AT HALF-SCALE

REVISIONS:

DATE:	REMARKS:
04-28-05	PLAN CHANGES
10-03-05	AS BUILT

PICCIOLA & ASSOCIATES, INC.
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LA. DEPT. OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
SITE PLAN – MOBIL CANAL BREACH

DESIGNED BY: J.C.P.
DRAWN BY: L.M.C.
CHECKED BY: J.C.P.
DATE: 1-25-05
SCALE: SHOWN
SHEET NO. 4 OF 8

J.N. 0204-0401

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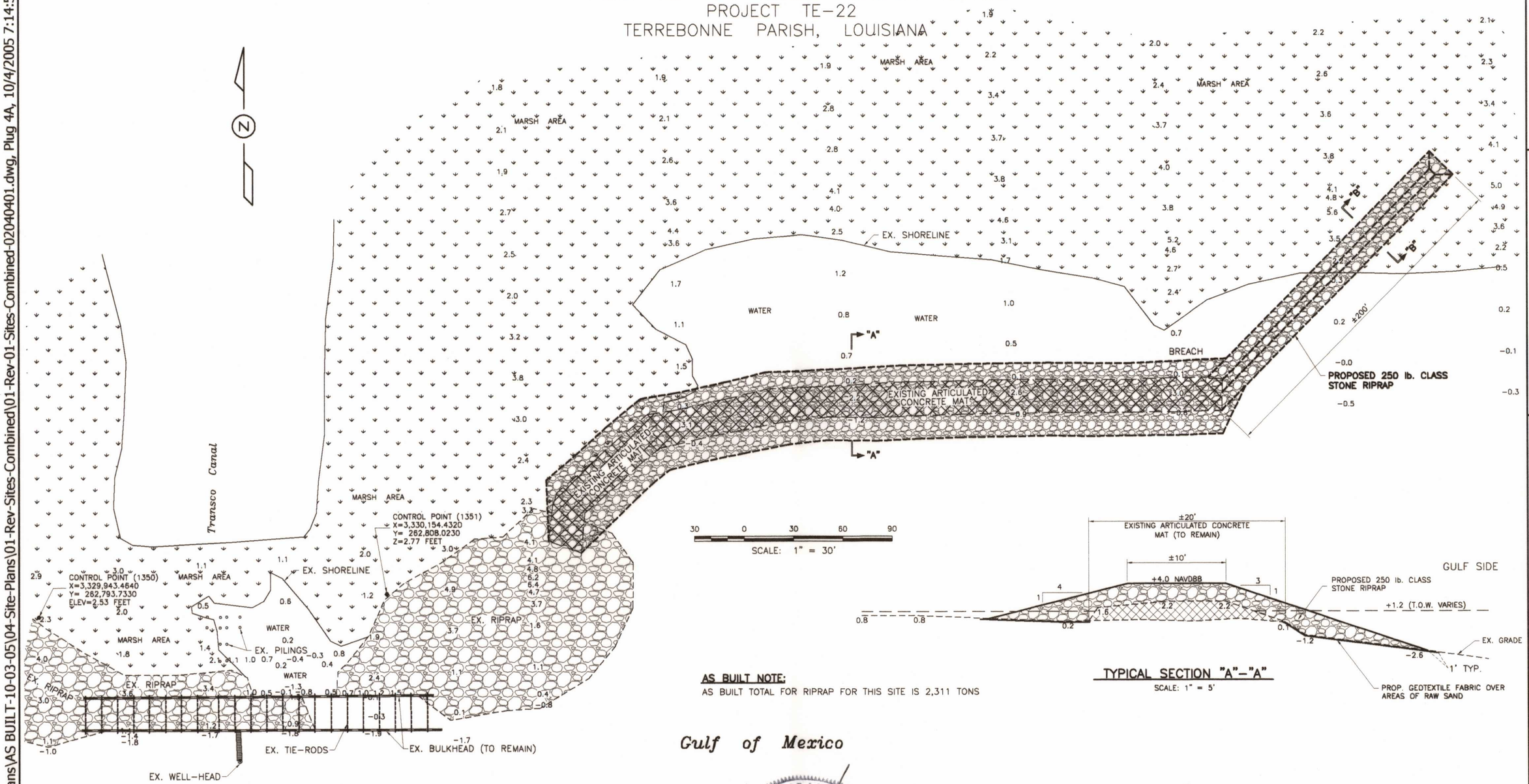
POINT AU FER ISLAND – BREACH REPAIRS
PROJECT TE-22
TERREBONNE PARISH, LOUISIANA



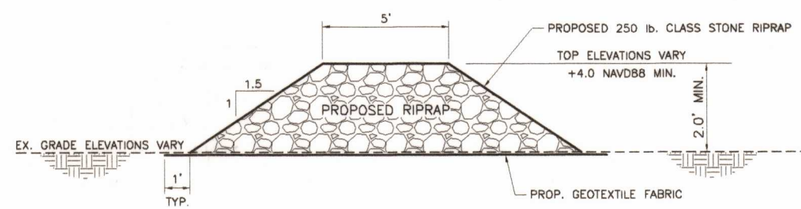
SCALE: 1" = 30'

TYPICAL SECTION "A"–"A"

SCALE: 1" = 5'

AS BUILT NOTE:

AS BUILT TOTAL FOR RIPRAP FOR THIS SITE IS 2,311 TONS



TYPICAL SECTION "B"–"B"

SCALE: 1" = 3'

GENERAL NOTES:

1. PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY SUB-SURFACE PIPELINES OR STRUCTURES THAT MAY BE AT OR NEAR EACH SITE. CONTRACTOR SHALL WORK CLOSELY WITH ANY COMPANY THAT MAY HAVE SUCH PIPELINES OR STRUCTURES IN THE AREA. CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL 72 HOURS PRIOR TO CONSTRUCTION AT 1-800-272-3020.

2. SEE SHEET 2 FOR ADDITIONAL GENERAL AND TECHNICAL NOTES.

CONTROL NOTES:

1. HORIZONTAL CONTROL IS BASED ON NAD 83 – LOUISIANA SOUTH ZONE (1702) FEET
VERTICAL CONTROL IS BASED ON NAVD 88 IN FEET

2. CONTROL POINTS SET BY OUR SURVEYOR AT EACH SITE CONSIST OF 1"x4' LONG GALVANIZED IRON PIPES DRIVEN TO WITHIN 1" FROM BEING FLUSH WITH GROUND.

CONSTRUCTION NOTES:

1. GEOTEXTILE FABRIC SHALL HAVE A MINIMUM 5' OVERLAP AT THE ANY INTERSECTIONS.

2. GEOTEXTILE FABRIC SHALL BE INSTALLED OVER ANY AREAS OF EXPOSED SAND MATERIAL PRIOR TO INSTALLING NEW RIPRAP.

3. CONTRACTOR SHALL MAKE EVERY EFFORT TO LEAVE EXISTING RIPRAP IN PLACE. IN SOME CASES CONTRACTOR MAY HAVE TO REMOVE AND REPLACE SOME EXISTING RIPRAP IN ORDER TO MAKE A SMOOTH TRANSITION INTO THE EXISTING RIPRAP.

4. RIPRAP SHALL BE STONE. SEE DETAILS FOR SIZES.

5. THE EXISTING SHEET METAL BULKHEAD AND TIE-ROD SYSTEM IS IN POOR CONDITION. THE ENTIRE STRUCTURE SHALL REMAIN IN PLACE.

6. ACCESS TO THIS SITE SHALL BE LIMITED TO GULF SIDE ONLY.

STATE OF LOUISIANA
Joseph C. Picciola II
REG. No. 25614
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

AS BUILT

DRAWING PLOTTED AT HALF-SCALE

REVISIONS:

DATE:	REMARKS:
04-28-05	PLAN CHANGES
10-03-05	AS BUILT

PICCIOLA & ASSOCIATES, INC.
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LA. DEPT. OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION

SITE PLAN – PLUG 4A

DESIGNED BY: J.C.P.

DRAWN BY: L.M.C.

CHECKED BY: J.C.P.

DATE: 1-25-05

SCALE: SHOWN

SHEET NO. 5 OF 8

J.N. 0204-0401

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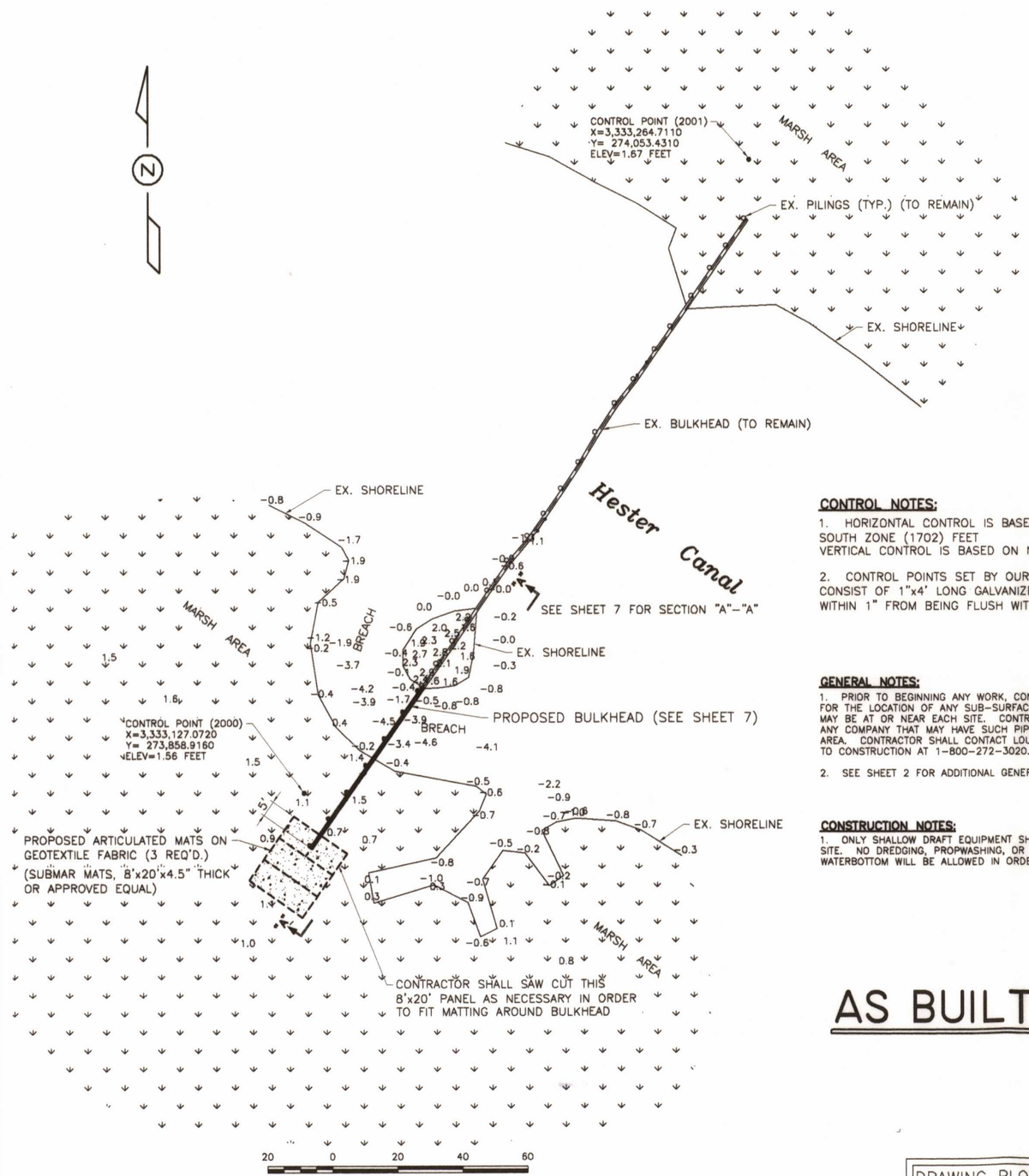
POINT AU FER ISLAND – BREACH REPAIRS
PROJECT TE-22
TERREBONNE PARISH, LOUISIANA



CONTROL NOTES:

1. HORIZONTAL CONTROL IS BASED ON NAD 83 – LOUISIANA SOUTH ZONE (1702) FEET
VERTICAL CONTROL IS BASED ON NAVD 88 IN FEET

2. CONTROL POINTS SET BY OUR SURVEYOR AT EACH SITE CONSIST OF 1"x4' LONG GALVANIZED IRON PIPES DRIVEN TO WITHIN 1" FROM BEING FLUSH WITH GROUND.

GENERAL NOTES:

1. PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY SUB-SURFACE PIPELINES OR STRUCTURES THAT MAY BE AT OR NEAR EACH SITE. CONTRACTOR SHALL WORK CLOSELY WITH ANY COMPANY THAT MAY HAVE SUCH PIPELINES OR STRUCTURES IN THE AREA. CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL 72 HOURS PRIOR TO CONSTRUCTION AT 1-800-272-3020.

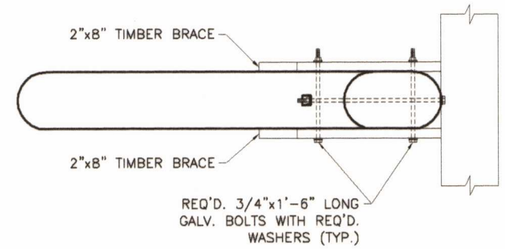
2. SEE SHEET 2 FOR ADDITIONAL GENERAL AND TECHNICAL NOTES.

CONSTRUCTION NOTES:

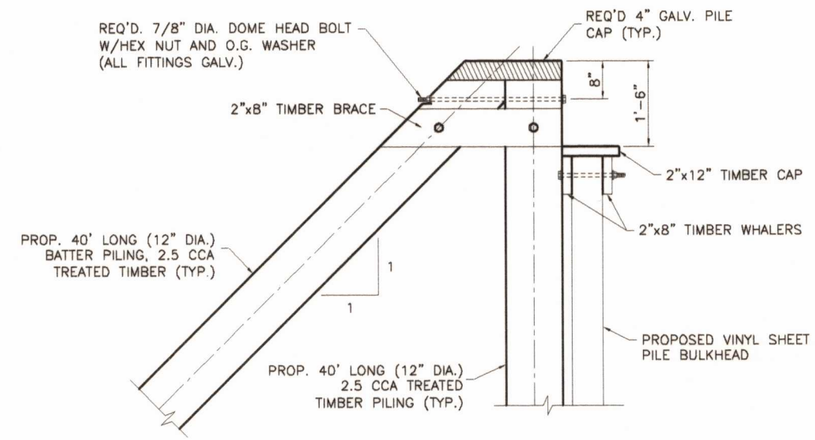
1. ONLY SHALLOW DRAFT EQUIPMENT SHALL BE USED TO ACCESS THIS SITE. NO DREDGING, PROPWASHING, OR DISTURBANCE OF THE WATERBOTTOM WILL BE ALLOWED IN ORDER TO ACCESS HESTER CANAL.

AS BUILT

DRAWING PLOTTED AT HALF-SCALE

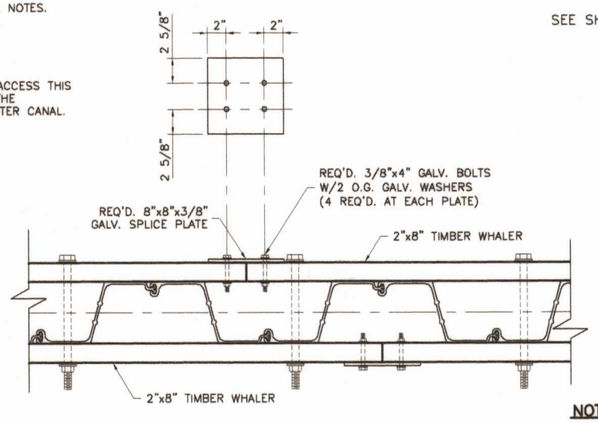


PLAN VIEW
SCALE: 3/4" = 1'-0"



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

SEE SHEET 7



TYPICAL BUTT SPLICE DETAIL
SCALE: 1 1/2" = 1'-0"

NOTES:

1. BUTT SPLICES SHALL BE INSTALLED ON BOTH TOP AND BOTTOM WHALERS AT EVERY END TO END CONNECTION.

2. FOR ILLUSTRATION PURPOSES, THE 2"x12" TIMBER CAP WAS NOT SHOWN.

STATE OF LOUISIANA
Joseph C. Picciola II
REG. No. 23614
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

REVISIONS:

DATE:	REMARKS:
04-28-05	ADJUSTED PAD, PLAN CHANGES
10-03-05	AS BUILT

PICCIOLA & ASSOCIATES, INC.
CIVIL ENGINEERS LAND SURVEYORS
NAVAL ARCHITECTS MARINE ENGINEERS
P.O. BOX 687
CUT OFF, LOUISIANA 70345
(985) 632-5788

LA. DEPT. OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION

SITE PLAN – PLUG 8

DESIGNED BY: J.C.P.
DRAWN BY: L.M.C.
CHECKED BY: J.C.P.
DATE: 1-25-05
SCALE: SHOWN
SHEET NO. 6 OF 8

J.N. 0204-0401

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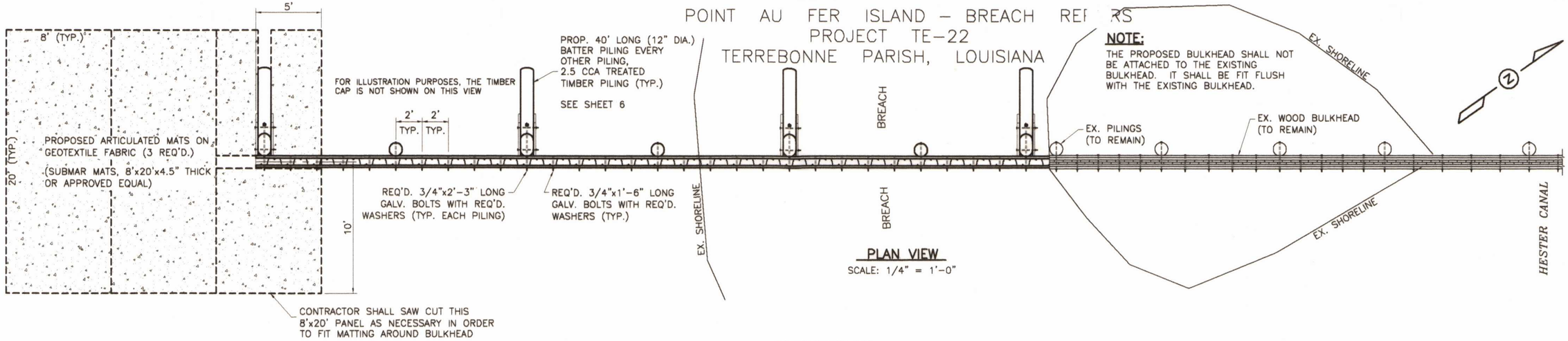
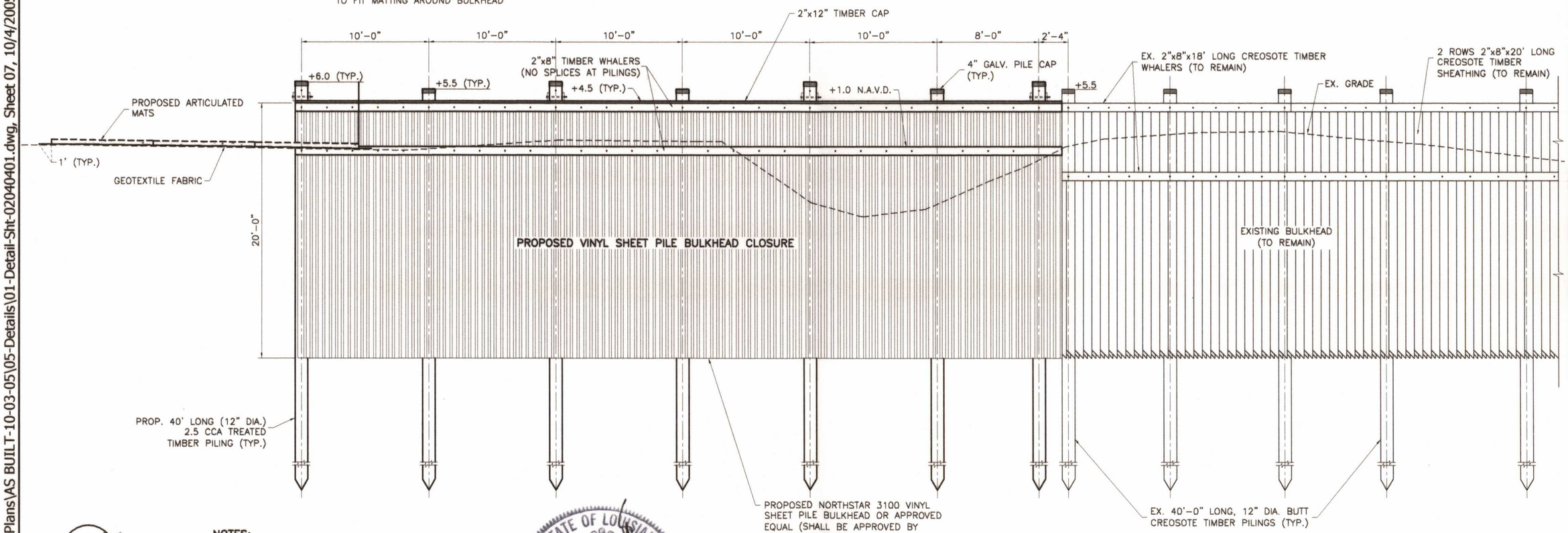
POINT AU FER ISLAND – BREACH REPAIRS
PROJECT TE-22
TERREBONNE PARISH, LOUISIANA

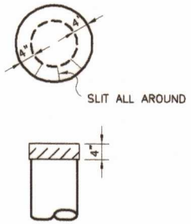


NOTE:
THE PROPOSED BULKHEAD SHALL NOT BE ATTACHED TO THE EXISTING BULKHEAD. IT SHALL BE FIT FLUSH WITH THE EXISTING BULKHEAD.

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



SECTION "A"–"A"
SCALE: 1/4" = 1'-0"
SEE SHEET 6



NOTES:
PLACE TWO LAYERS OF HEAVY CANVAS SIZE 20"x20" SATURATED WITH KARNAK #83 OVER TOP OF ALL PILES.
THEN 24"x24" GALVANIZED SHEET METAL NO. 26 GA. PLACED OVER TOP OF ALL PILES AND BENT AS SHOWN BY DOTTED LINES AND NAILED TO THE PILES WITH 2" GALVANIZED ROOFING NAILS.

MARK OUTLINE OF INDIVIDUAL PILE TOP AND CUT GALV. SHEET METAL 4" OUTSIDE PILE LINE, SLIT METAL DIAGONALLY @ 4" SPACES AS SHOWN.

DETAIL OF SHEET METAL PILE COVER
(TYPICAL ALL PILES)
NO SCALE

STATE OF LOUISIANA
Joseph C. Picciola II
REG. No. 25[illegible]
REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEERING

AS BUILT

GENERAL NOTES:
1. TIMBER CAP AND TOP WHALER SHALL BE 0.B CCA TREATED TIMBER.
2. THE BOTTOM WHALER SHALL BE 2.5 CCA TREATED TIMBER.
3. THE TIMBER CAP SHALL BE NAILED TO THE TOP WHALERS USING 60d GALVANIZED NAILS SPACED AT 12" O.C. WOOD GRAIN FOR TIMBER CAP SHALL BE CUPPED FACING DOWNWARD.
4. ALL HARDWARE SHALL BE GALVANIZED.
5. CONTRACTOR SHALL CONSTRUCT THE NEW BULKHEAD CLOSURE USING THE SAME ELEVATIONS OF THE EXISTING STRUCTURE AS SHOWN.

DRAWING PLOTTED AT HALF-SCALE

REVISIONS:

DATE:	REMARKS:
04-28-05	SCOUR PAD, PLAN CHANGES
10-03-05	AS BUILT

PICCIOLA & ASSOCIATES, INC.
CIVIL ENGINEERS
LAND SURVEYORS
NAVAL ARCHITECTS
MARINE ENGINEERS
P.O. BOX. 687
CUT OFF, LOUISIANA 70345
(985) 632-5786

LA. DEPT. OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
VINYL BULKHEAD DETAILS – PLUG 8

DESIGNED BY: J.C.P.
DRAWN BY: L.M.C.
CHECKED BY: J.C.P.
DATE: 1-25-05
SCALE: SHOWN
SHEET NO. 7 OF 8

J.N. 0204-0401

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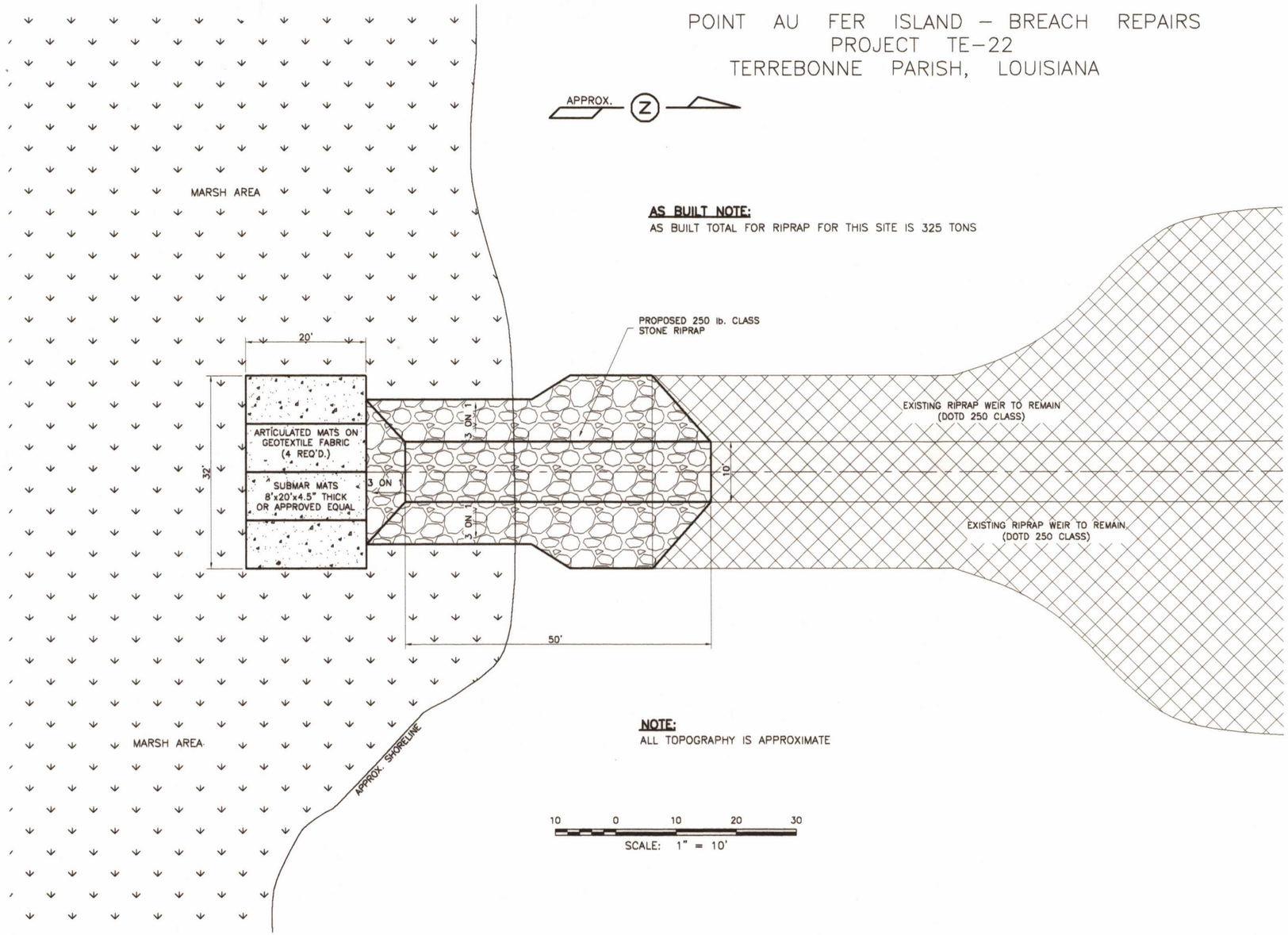
POINT AU FER ISLAND – BREACH REPAIRS
PROJECT TE-22
TERREBONNE PARISH, LOUISIANA



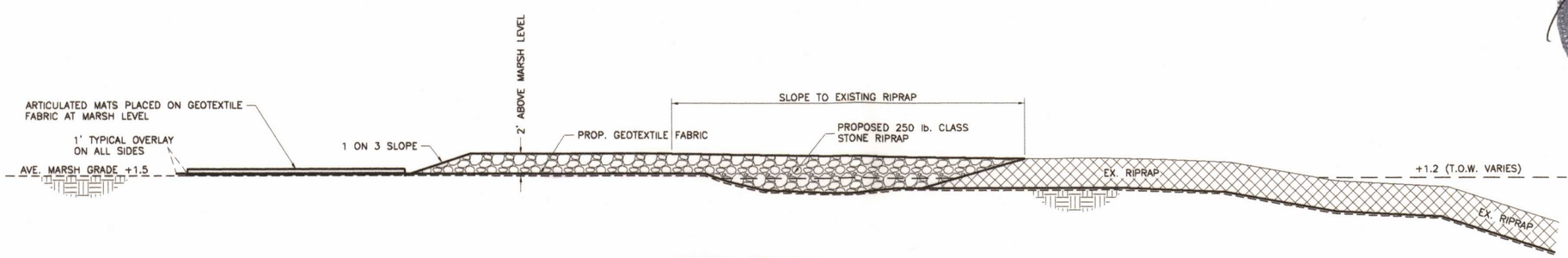
CONTROL NOTES:

1. HORIZONTAL CONTROL IS BASED ON NAD 83 – LOUISIANA SOUTH ZONE (1702) FEET
VERTICAL CONTROL IS BASED ON NAVD 88 IN FEET

GENERAL NOTES:

1. PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ANY SUB-SURFACE PIPELINES OR STRUCTURES THAT MAY BE AT OR NEAR EACH SITE. CONTRACTOR SHALL WORK CLOSELY WITH ANY COMPANY THAT MAY HAVE SUCH PIPELINES OR STRUCTURES IN THE AREA. CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL 72 HOURS PRIOR TO CONSTRUCTION AT 1-800-272-3020.

2. SEE SHEET 2 FOR ADDITIONAL GENERAL AND TECHNICAL NOTES.



TYPICAL SECTION
SCALE: 1" = 6'

STATE OF LOUISIANA
Joseph C. Picciola II
REG. No. 23014
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
10/04/05

AS BUILT

DRAWING PLOTTED AT HALF-SCALE

REVISIONS:

DATE:	REMARKS:
04-28-05	PLAN CHANGES, ADDED THIS SHEET
10-03-05	AS BUILT

PICCIOLA & ASSOCIATES, INC.
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LA. DEPT. OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION

SITE PLAN – WIER NO. 3

DESIGNED BY: J.C.P.
DRAWN BY: L.M.C.
CHECKED BY: J.C.P.
DATE: 1-25-05
SCALE: SHOWN
SHEET NO. 8 OF 8

J.N. 0204-0401

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