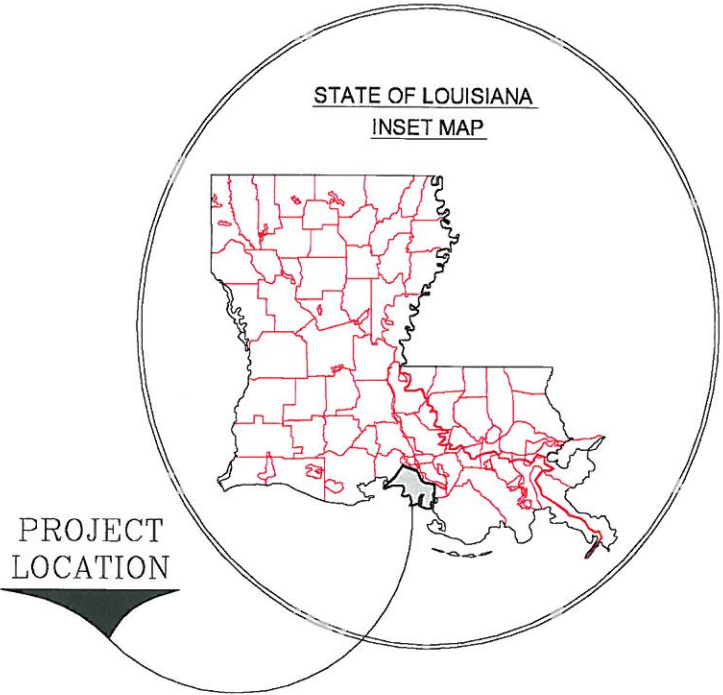


STATE OF LOUISIANA  
OFFICE OF COASTAL PROTECTION AND RESTORATION  
OPERATIONS BRANCH

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES
3	EAST COTE BLANCHE BAY ROCK BREAK WATER
4	SCHOOL BUS BAYOU (WEST SIDE)
5	HUMBLE CANAL (EAST BANK) ROCK BREAK WATER
6	SIGN PLACEMENT AND RAILING OVERALL PLAN VIEW
7	SITE 1 PLAN VIEW
8	SITE 2 PLAN VIEW
9	SITE 3 PLAN VIEW
10	SIGN DETAILS 1
11	SIGN DETAILS 2
12	SIGN PLACEMENT AND STAINLESS STEEL CABLE DETAILS
13	SIGN PLACEMENT AND STAINLESS STEEL CABLE DETAILS

COTE BLANCHE HYDROLOGIC RESTORATION  
SCHOOL BUS BAYOU PROJECT – AS-BUILT  
TV-04  
ST. MARY PARISH, LOUISIANA

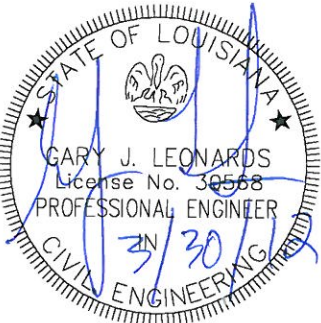
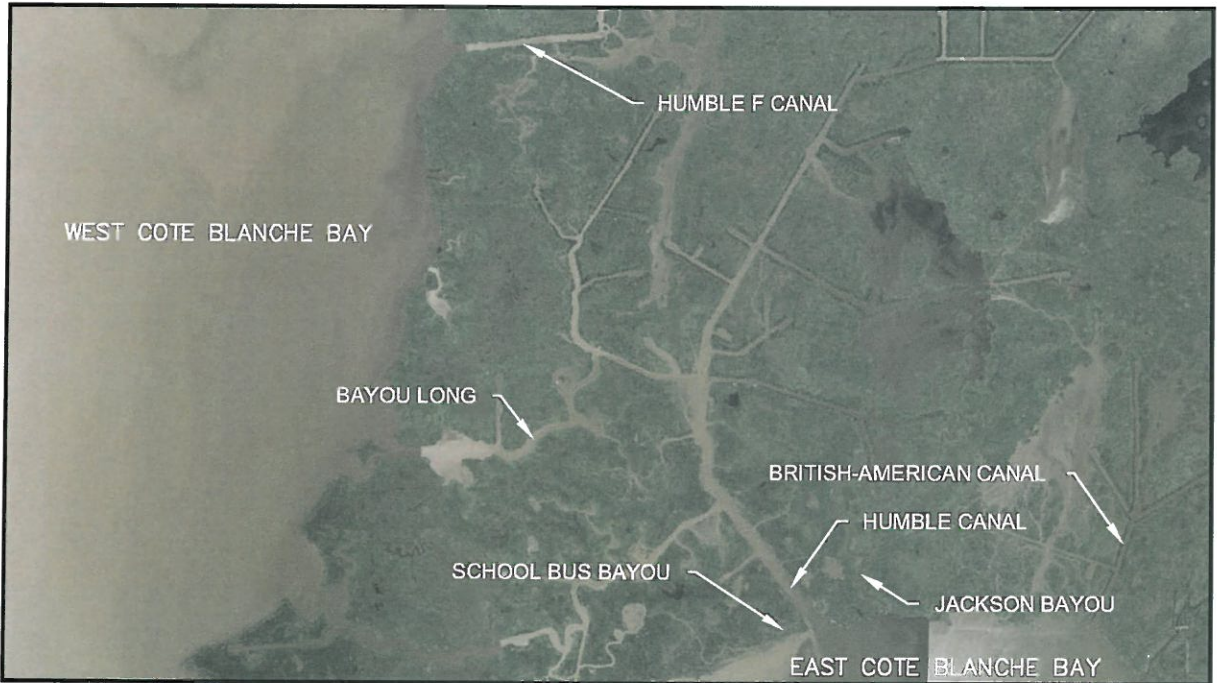
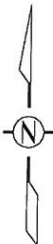


\_\_\_\_\_  
OCPR ENGINEER MANAGER

\_\_\_\_\_  
OCPR ENGINEER SUPERVISOR

\_\_\_\_\_  
OCPR CONSTRUCTION / O&M MANAGER

\_\_\_\_\_  
CONSULTANT PROJECT ENGINEER



FEDERAL  
PROJECT  
SPONSOR

STATE  
PROJECT  
SPONSOR

AS-BUILT

TYPE OF CONSTRUCTION

CLASSIFICATION III (HEAVY CONSTRUCTION)

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION  
OPERATIONS BRANCH

450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH

DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04

FEDERAL PROJECT NUMBER:

APPROVED BY: GJL

Title Sheet

DATE: 03/02/12

SHEET 1 OF 13



General Notes

1.

All elevations are given in the North American Vertical Datum of 1988 (NAVD 88) U.S. Survey Feet (Feet). All horizontal coordinates are given in the North American Datum of 1983 (NAD83, Louisiana State Plane South Zone U.S. Feet).
2.

The contractor was responsible for navigating from a navigable water body to the site. The contractor was also responsible for navigating within the limits of the project site. The project engineer or inspector monitored equipment operations during construction.
3.

All equipment was floating at all times during transit to and from the project site.
4.

The contractor was responsible for notifying all utility and pipeline companies identified in the specifications at least five (5) working days prior to mobilization. All underground pipelines and utilities were marked with buoys by the contractor. The contractor maintained buoys during construction. It was the responsibility of the contractor to maintain the clearances from the pipelines set forth in the plan drawings or in the bid documents. No excavation was allowed within any area restricted by the pipeline companies and set forth on the plans. Pipeline locations shown on the plans are approximations. The owner was not liable for exact locations. The contractor called Louisiana One Call at 1-800-272-3020 at least 5 working days prior to mobilization.
5.

The plans and bid documents were complementary; what was required in one is as binding as if required by all. Clarifications, interpretations, or notifications of minor variations and deviations in the contract documents will be issued by the project engineer, if necessary.
6.

The riprap alignment was allowed to be revised by the project engineer at the time of construction to reflect changes in field conditions.
7.

Any damage to existing U.S. Coast Guard Navigation Aids or Private Navigation Aids were repaired by the contractor to U.S. Coast Guard Standards at the expense of the contractor.
8.

The contractor followed specified access routes and did not, at any time, tread on existing marsh or vegetated wetlands unless otherwise directed by the project engineer.

Horizontal and Vertical Control Info

Horizontal Datum: Adjusted NAD 83 Datum LSZ (1702) Ft

Vertical Datum: Adjusted NAVD 88

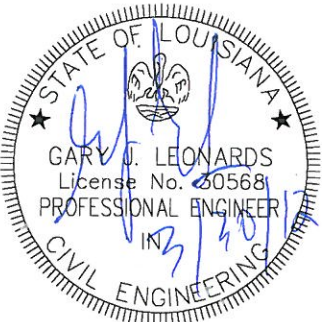
GEOID Model Used: GEOID99 Hgt: -25.625 mtrs

Reference Benchmarks:

TV04-SM-01  
N: 414,937.84  
E: 3,200,880.61  
Elevation +3.57' NAVD 88 (1.089 mtrs)

Actual QUANTITIES

Ref. No.	Item	Unit	Qty
1	Mobilization and Demobilization	Lump Sum	Lump
2	Geotextile Fabric	S.Y.	1,466
3	Riprap Class 130 Lb.	Ton	605
4	Riprap Class 250 Lb.	Ton	6,822
5	Replace Railing and Signs at Site 1	Lump Sum	Lump
6	Replace Railing and Signs at Site 2	Lump Sum	Lump
7	Replace Signs at Site 3	Lump Sum	Lump
8	Replace or Refurbish Signs along School Bus Bayou Breakwater	Lump Sum	Lump
9	Replace Railing and Signs at Site 4	Lump Sum	Lump



AS-BUILT

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION  
OPERATIONS BRANCH  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH

DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04

FEDERAL PROJECT NUMBER:

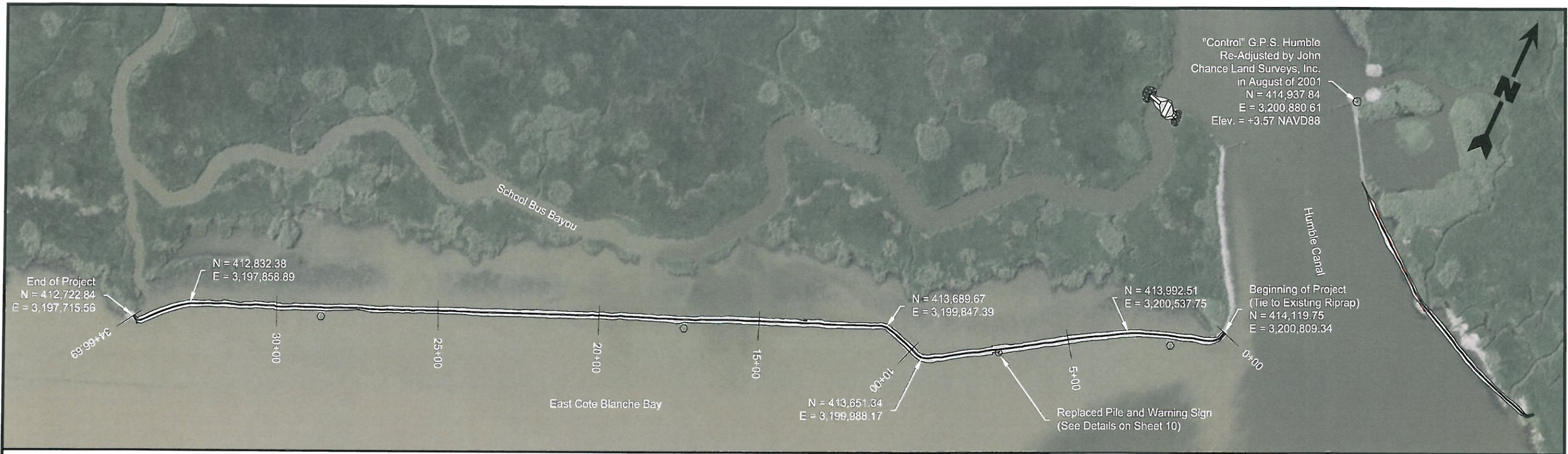
APPROVED BY: GJL

General Notes

DATE: 03/02/12

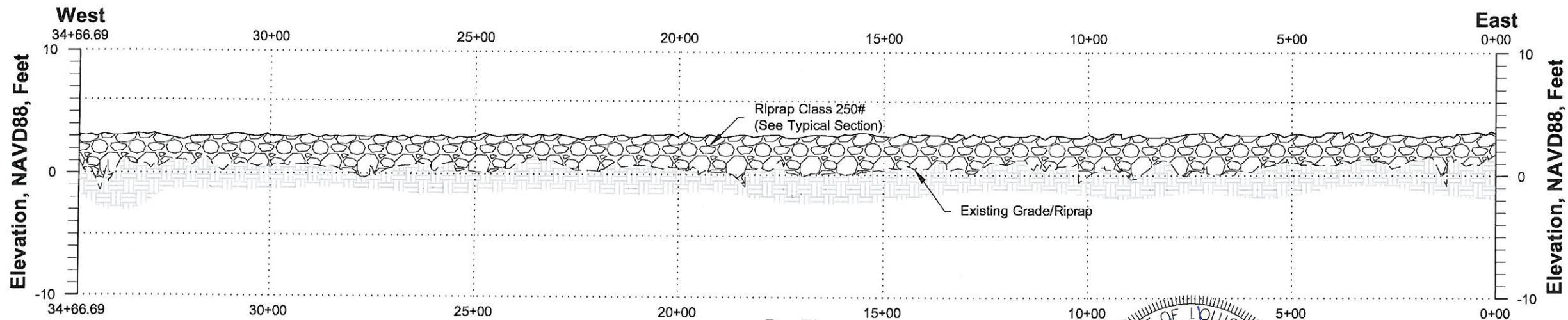
SHEET 2 OF 13





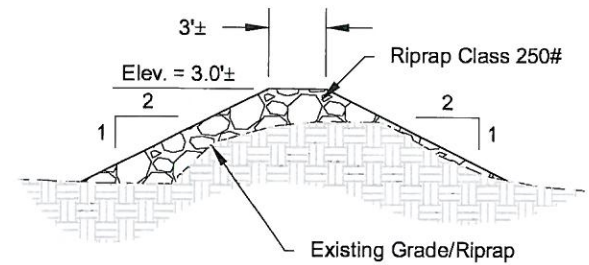
Plan View

Scale: 1" = 300'



Profile

Horizontal Scale: 1" = 300'  
Vertical Scale: 1" = 10'



Typical Section

Scale: 1" = 10'

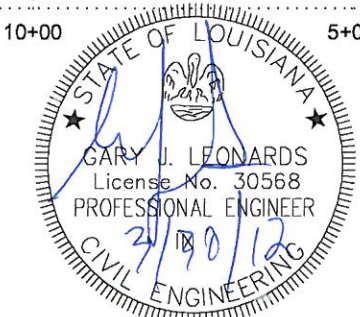
Notes

1. Coordinates shown are NAD83, Louisiana State Plane South Zone, and elevations are referenced to NAVD88.
2. Mean High Water is +2.2' NAVD88.
3. Mean Low Water is +0.0' NAVD88.

Reference

Base map comprised of 2009 aerial photograph.

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION  
OPERATIONS BRANCH  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH

DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04

FEDERAL PROJECT NUMBER:

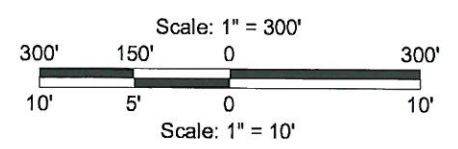
APPROVED BY: GJL

East Cote Blanche Bay  
Rock Break Water

DATE: 02/13/12

SHEET 3 OF 13

AS-BUILT



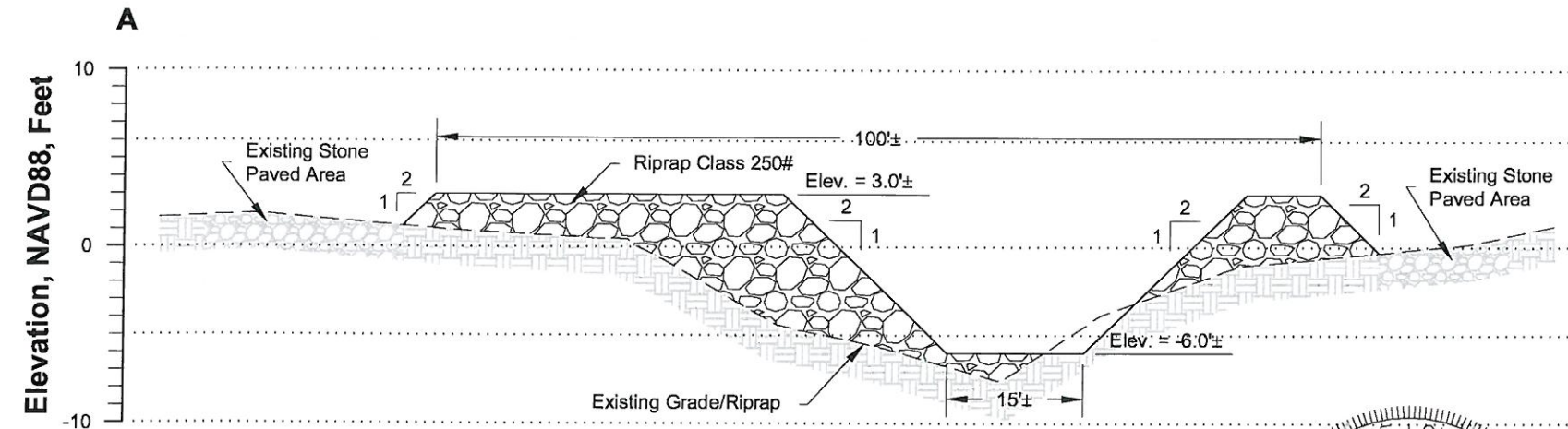




"Control" G.P.S. Humble  
Re-Adjusted by John  
Chance Land Surveys, Inc.  
in August of 2001  
N = 414,937.84  
E = 3,200,880.61  
Elev. = +3.57 NAVD88

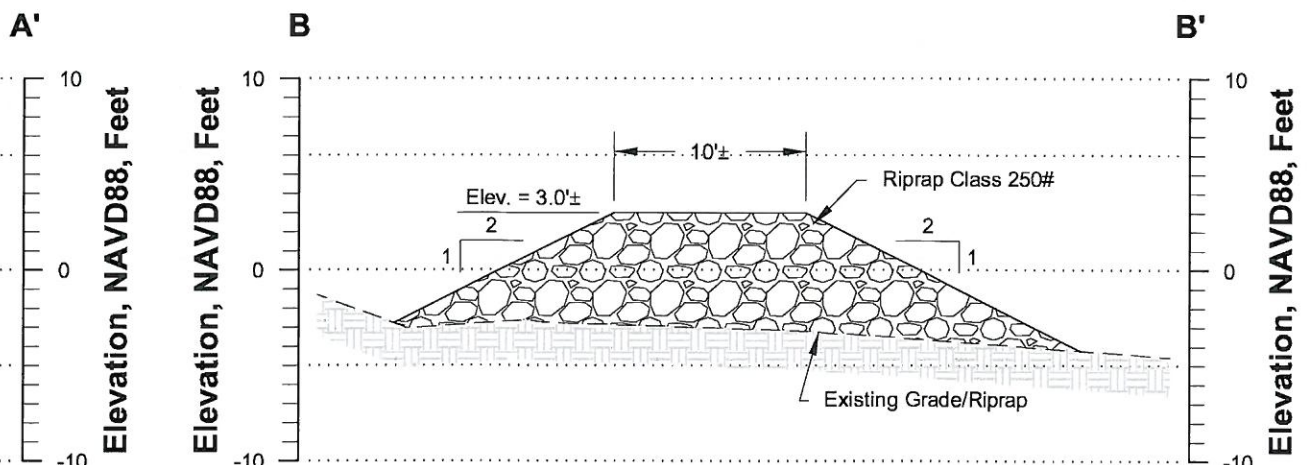
**Plan View**

Scale: 1" = 60'



**Cross Section A-A'**

Horizontal Scale: 1" = 20'  
Vertical Scale: 1" = 10'



**Cross Section B-B'**

Horizontal Scale: 1" = 10'  
Vertical Scale: 1" = 10'

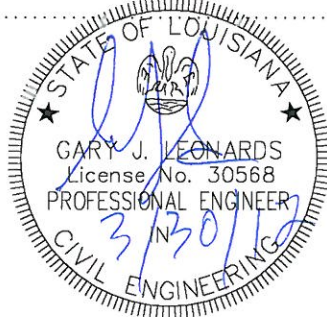
**AS-BUILT**

**Notes**

1. Coordinates shown are NAD83, Louisiana State Plane South Zone, and elevations are referenced to NAVD88.
2. Mean High Water is +2.2' NAVD88.
3. Mean Low Water is +0.0' NAVD88.

**Reference**

Base map comprised of 2009 aerial photograph.



REV.	DATE	DESCRIPTION	BY



**OFFICE OF COASTAL PROTECTION & RESTORATION  
OPERATIONS BRANCH**

450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH

DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04

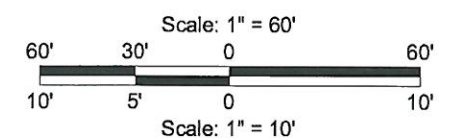
FEDERAL PROJECT NUMBER:

APPROVED BY: GJL

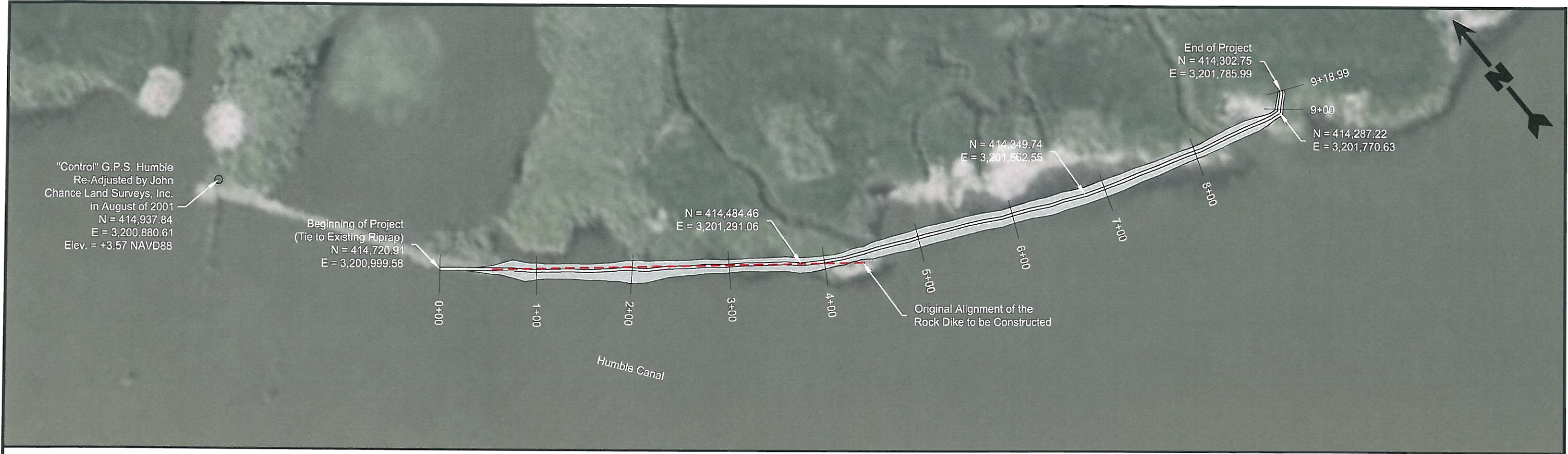
School Bus Bayou (West Side)  
Low Level Weir with Boat Bay

DATE: 02/11/12

SHEET 4 OF 13

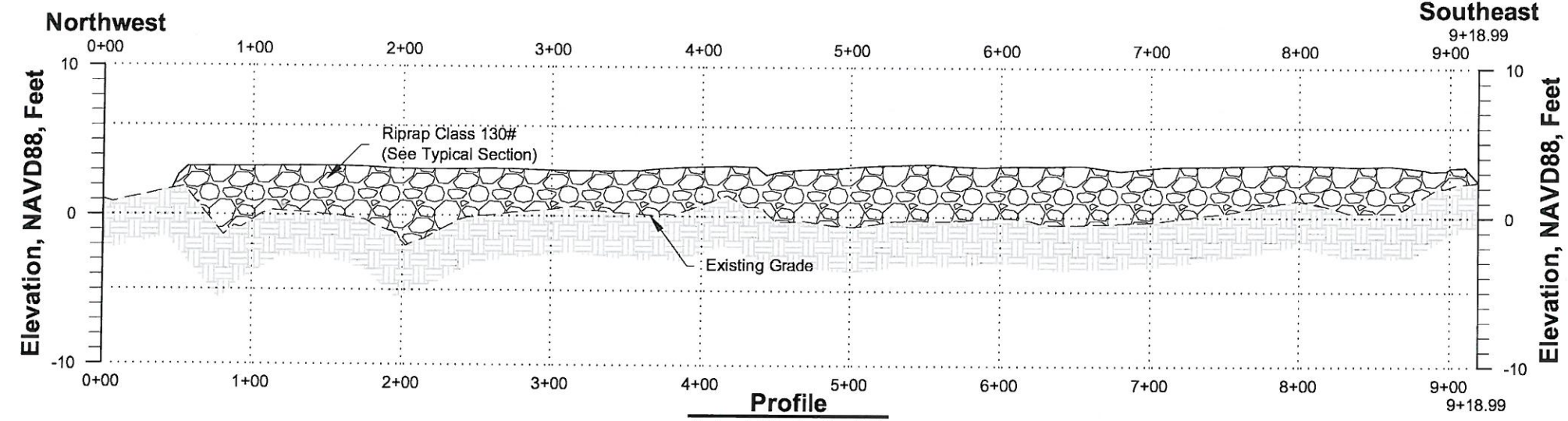






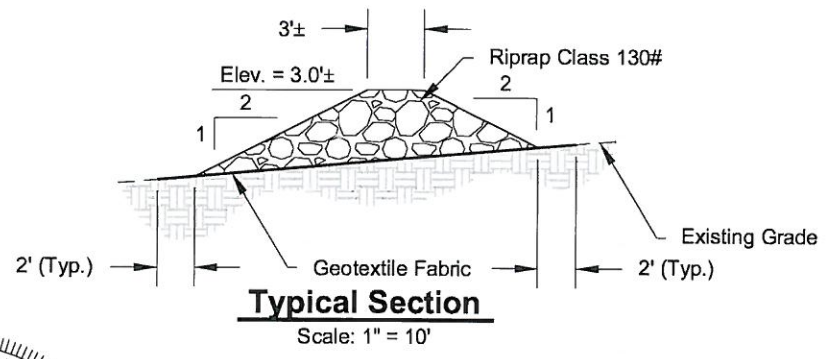
**Plan View**

Scale: 1" = 100'



**Profile**

Horizontal Scale: 1" = 100'  
Vertical Scale: 1" = 10'



**Typical Section**

Scale: 1" = 10'

**Notes**

1. Coordinates shown are NAD83, Louisiana State Plane South Zone, and elevations are referenced to NAVD88.
2. Mean High Water is +2.2' NAVD88.
3. Mean Low Water is +0.0' NAVD88.

**Reference**

Base map comprised of 2009 aerial photograph.

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION  
OPERATIONS BRANCH

450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH

DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04

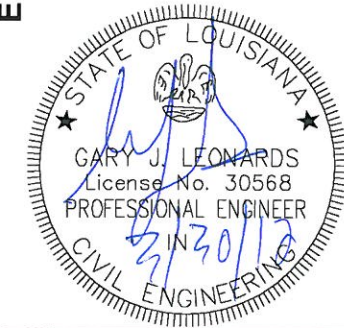
FEDERAL PROJECT NUMBER:

APPROVED BY: GJL

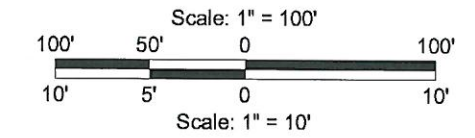
Humble Canal (East Bank)  
Rock Break Water

DATE: 03/02/12

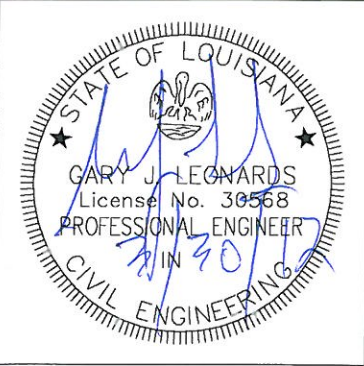
SHEET 5 OF 13



**AS-BUILT**







**Reference**

Base map comprised of 2009 aerial photograph.

REV.	DATE	DESCRIPTION	BY



**OFFICE OF COASTAL PROTECTION & RESTORATION  
OPERATIONS BRANCH**

450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH

DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04

FEDERAL PROJECT NUMBER:

APPROVED BY: GJL

Sign Placement and Railing  
Overall Plan View

DATE: 02/13/12

SHEET 6 OF 13





**Note**  
Clean the signs prior to reuse.

**Reference**  
Base map comprised of 2009 aerial photograph.

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION  
**OPERATIONS BRANCH**  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH      DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04

FEDERAL PROJECT NUMBER:

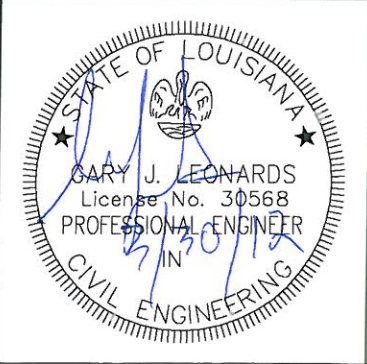
APPROVED BY: GJL

Site 1  
Plan View

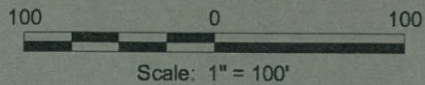
DATE: 02/13/12

SHEET 7 OF 13





AS-BUILT



<b>Note</b>	
Clean the signs prior to reuse.	
<b>Reference</b>	
Base map comprised of 2009 aerial photograph.	

REV.	DATE	DESCRIPTION	BY

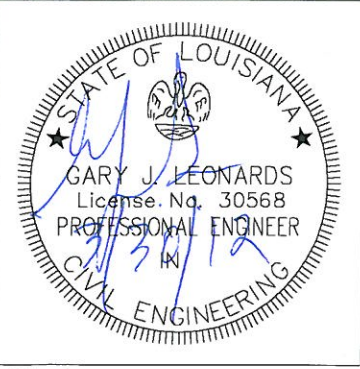


OFFICE OF COASTAL PROTECTION & RESTORATION OPERATIONS BRANCH 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	
DRAWN BY: LMH	DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/ School Bus Bayou Project - As-Built	
STATE PROJECT NUMBER: TV-04	
FEDERAL PROJECT NUMBER:	
APPROVED BY: GJL	

Site 2 Plan View	
DATE: 02/13/12	
SHEET 8 OF 13	





<b>Note</b>	
Clean the signs prior to reuse.	
<b>Reference</b>	
Base map comprised of 2009 aerial photograph.	

REV.	DATE	DESCRIPTION	BY

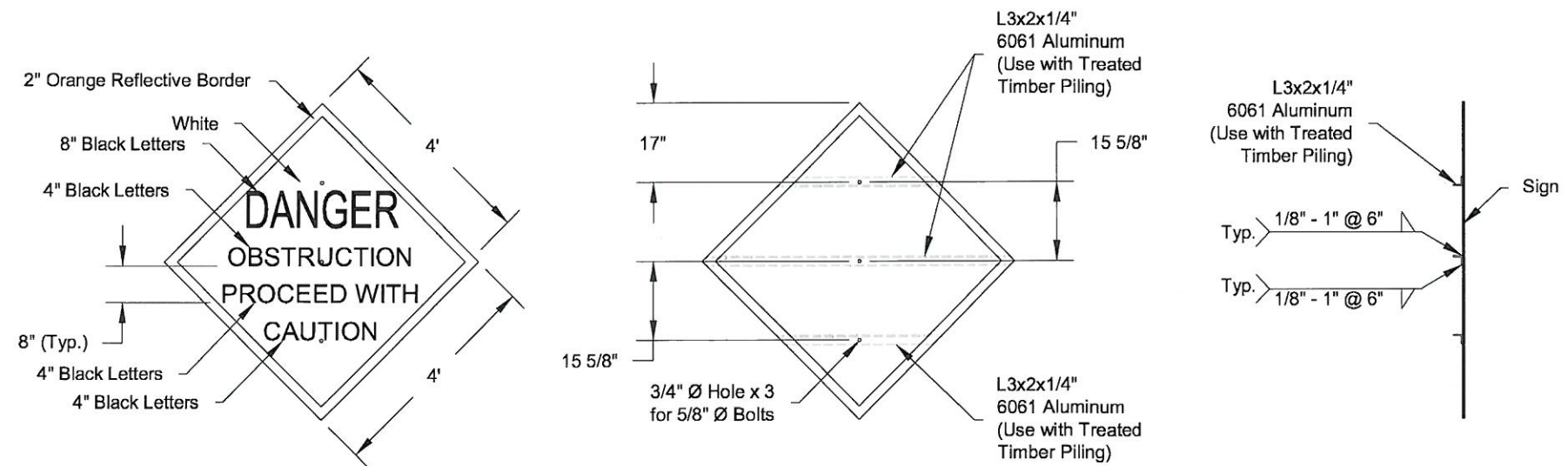


OFFICE OF COASTAL PROTECTION & RESTORATION OPERATIONS BRANCH 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801	
DRAWN BY: LMH	DESIGNED BY: LMH

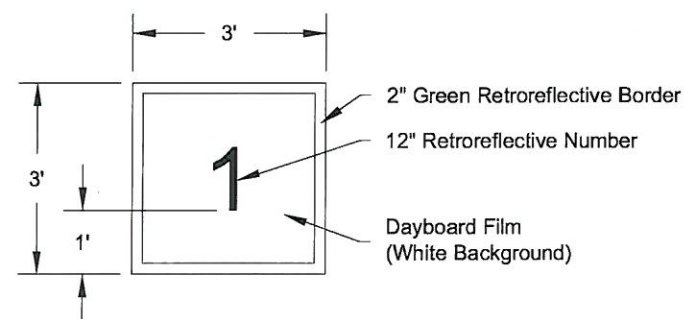
Cote Blanche Hydrologic Restoration/ School Bus Bayou Project - As-Built	
STATE PROJECT NUMBER: TV-04	
FEDERAL PROJECT NUMBER:	
APPROVED BY: GJL	

Site 3 Plan View
DATE: 02/13/12
SHEET 9 OF 13

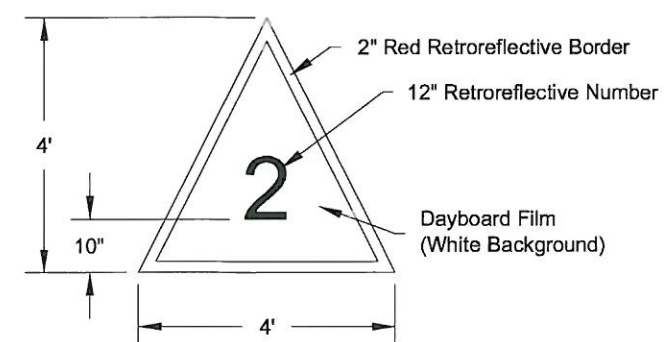




**Warning Sign Detail**  
Not to Scale



**Port Sign Detail**  
Not to Scale




**Starboard Sign Detail**  
Not to Scale



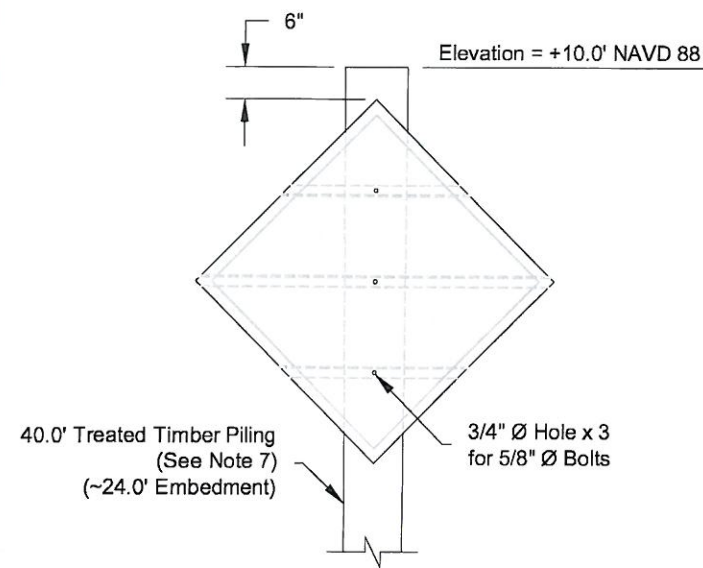
**Notes**

- Reference herein to the "Standard Specifications" refer to the "LA Standard Specifications for Roads and Bridges", as published by the Louisiana Department of Transportation and Development, latest edition.
- The 2" border on the warning sign is a retroreflective material of orange color. The lettering field is a retroreflective material of white color. The lettering for the warning signs are black. All signs meet U.S. Coast Guard Standards; in accordance with 33 CFR 330.4 (a) (1).
- Neoprene washers were placed between the sign and the piling at all points of contact.
- Signs were placed at the locations shown on Sheet 3, 7, 8, and 9 or as directed by the Project Engineer.

					OFFICE OF COASTAL PROTECTION & RESTORATION OPERATIONS BRANCH 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801		Cote Blanche Hydrologic Restoration/ School Bus Bayou Project - As-Built		Sign Details 1
							STATE PROJECT NUMBER: TV-04		
							FEDERAL PROJECT NUMBER:		
REV.	DATE	DESCRIPTION	BY		DRAWN BY: LMH	DESIGNED BY: LMH	APPROVED BY: GJL		SHEET 10 OF 13

**AS-BUILT**





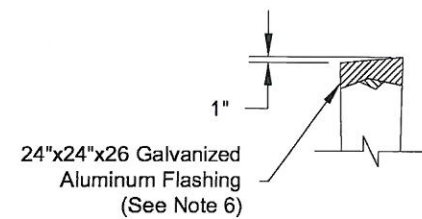
5/8" Ø ASTM A36 Bolts,  
with OGEE Washers  
(3 Required for each Sign)

Warning Sign

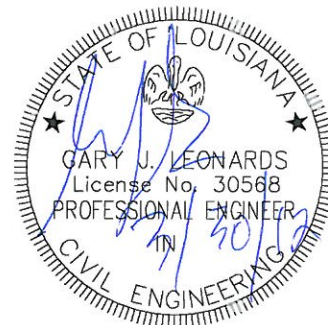
Notch Piling for Angle Iron

40.0' Treated Timber Piling  
(See Note 7)

**Warning Sign on Pile**  
(3 Required - Warning Sign and Pile)  
Not to Scale



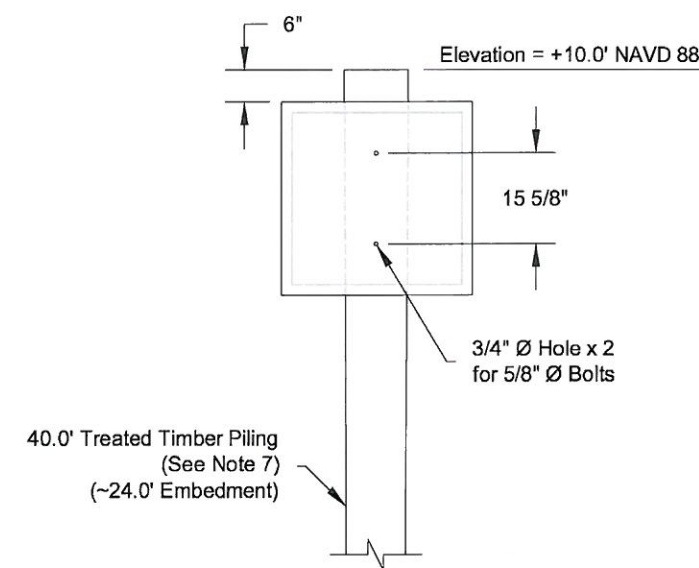
**Typical Pile Cap**  
(4 Required - Pile Cap)  
Not to Scale



## Notes

- Reference herein to the "Standard Specifications" refer to the "LA Standard Specifications for Roads and Bridges", as published by the Louisiana Department of Transportation and Development, latest edition.
- Neoprene washers were placed between the sign and the piling at all points of contact.
- Hardware for timber connections were hot dip galvanized in accordance with section 811.5 of the Louisiana Standard Specifications.
- Timber piles were preserved and conform to sections 804 and 1014 of the Louisiana Standard Specifications.
- The top of the piles were coated with coal tar epoxy paint prior to placing cap. The pile cap was attached using aluminum or stainless steel nails.
- Timber piling was 40.0' in length with a 12" diameter butt and 7" diameter at the tip.
- Signs were placed at the locations shown on Sheets 3, 7, 8, and 9 or as directed by the Project Engineer.
- Exposed bolt threads were either tack welded to nuts, stripped, or damaged by other approved method to prevent easy removal.

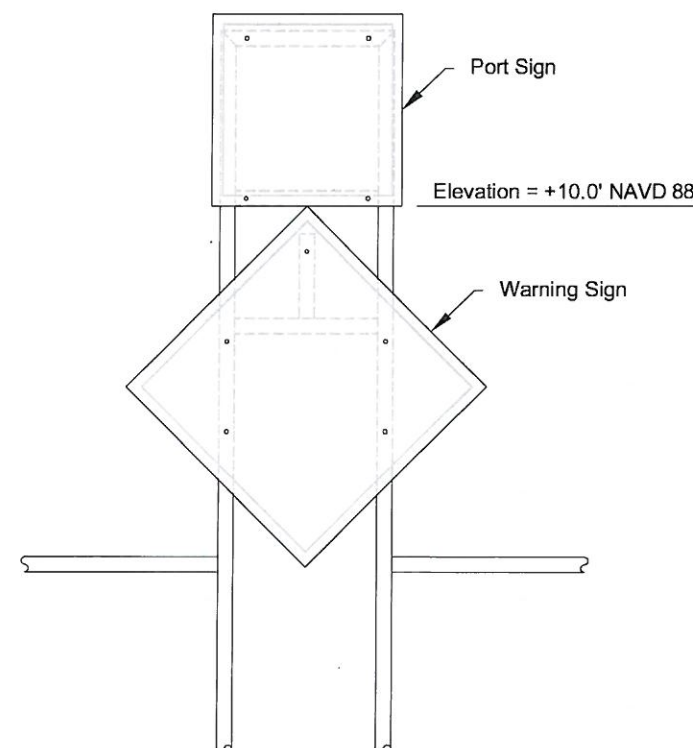
REV.	DATE	DESCRIPTION	BY



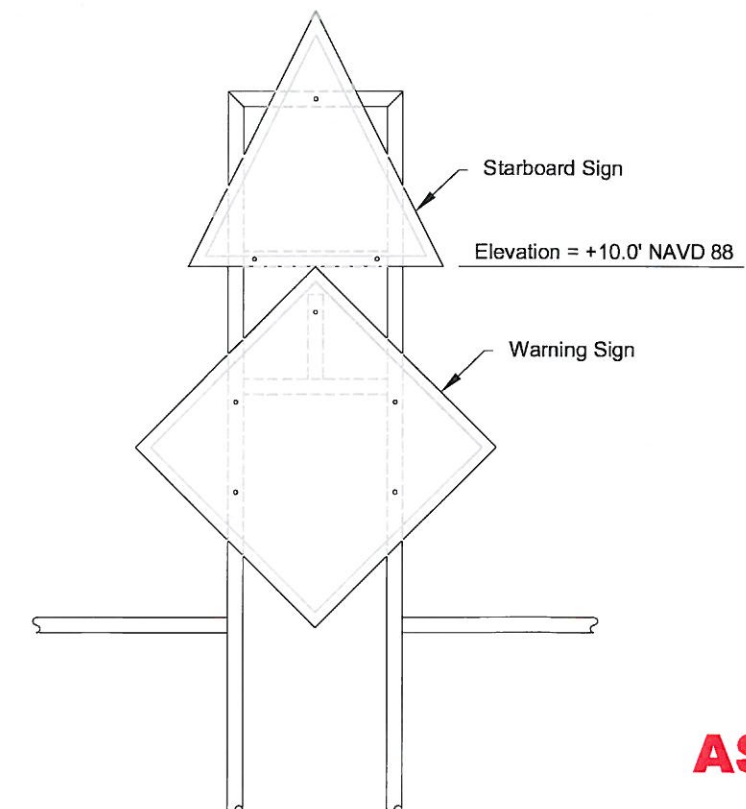
5/8" Ø ASTM A36 Bolts,  
with OGEE Washers  
(2 Required for each Sign)

Port Sign

**Port Sign on Pile**  
(1 Required - Port Sign and Pile)  
(1 Required - Port Sign Only)  
Not to Scale



**Warning Sign and Port Sign on Railing**  
Not to Scale



**Warning Sign and Starboard Sign on Railing**  
Not to Scale

**AS-BUILT**

OFFICE OF COASTAL PROTECTION & RESTORATION  
OPERATIONS BRANCH

450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH

DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04

FEDERAL PROJECT NUMBER:

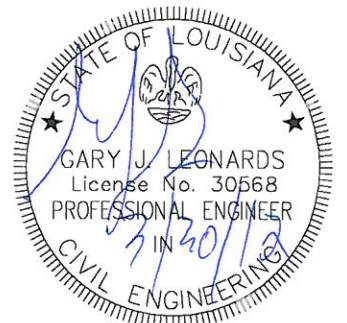
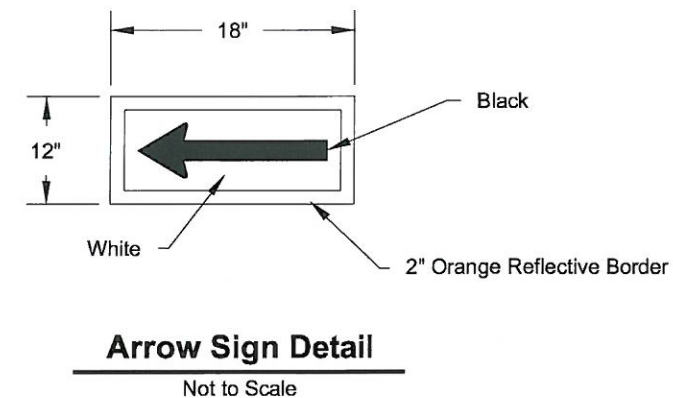
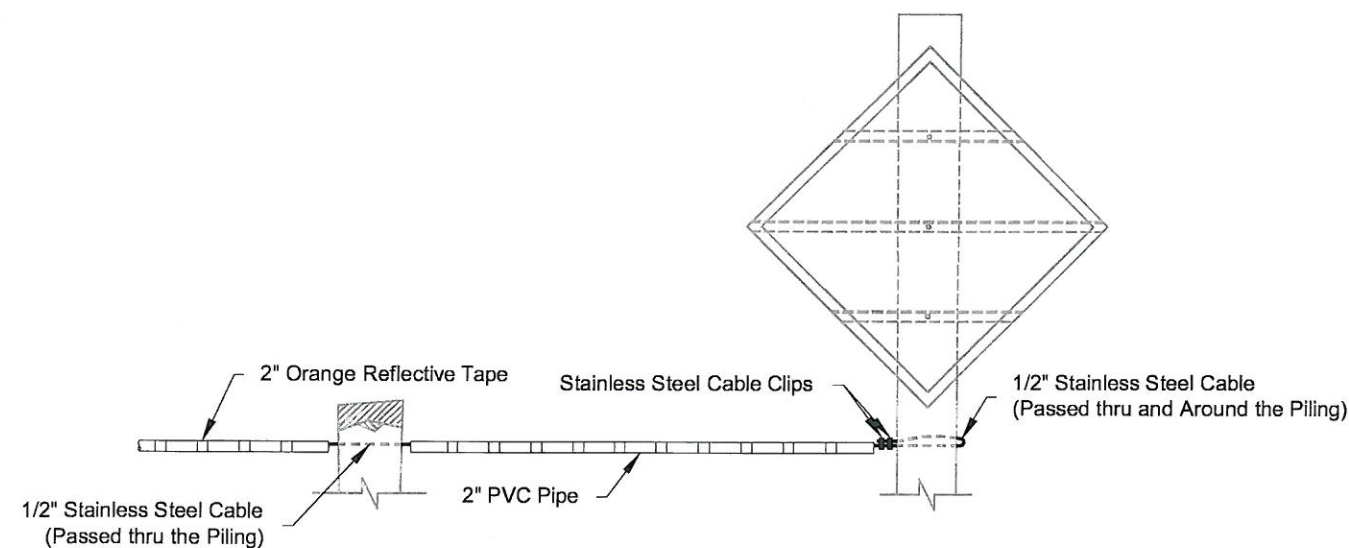
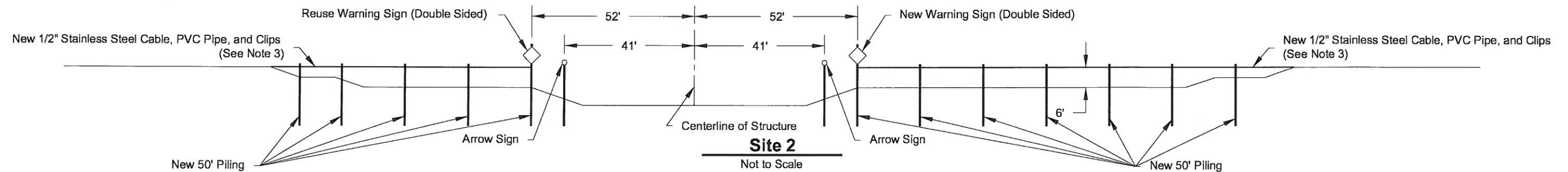
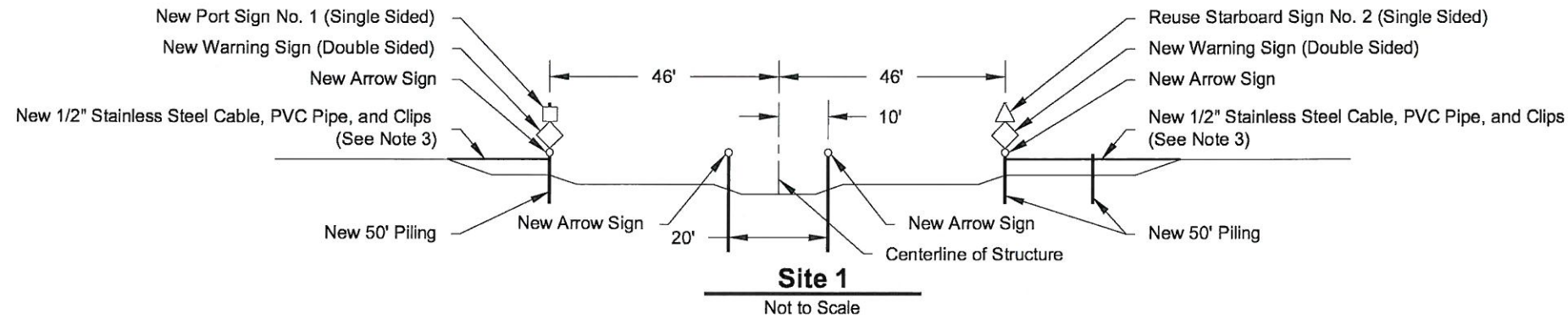
APPROVED BY: GJL

Sign Details 2

DATE: 02/13/12

SHEET 11 OF 13





## Notes

- Sheet piling and fill material not shown for clarity.
- Pile cap is continuous to wing-wall. Covering the entire wing-wall.
- Stainless steel cable is at a constant elevation, consistent with the elevation at the intersection of stainless steel cable and pile cap.

REV.	DATE	DESCRIPTION	BY



## OFFICE OF COASTAL PROTECTION & RESTORATION OPERATIONS BRANCH

450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH

DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04

FEDERAL PROJECT NUMBER:

APPROVED BY: GJL

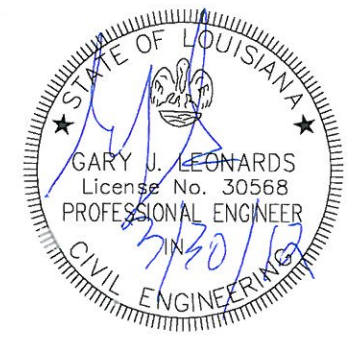
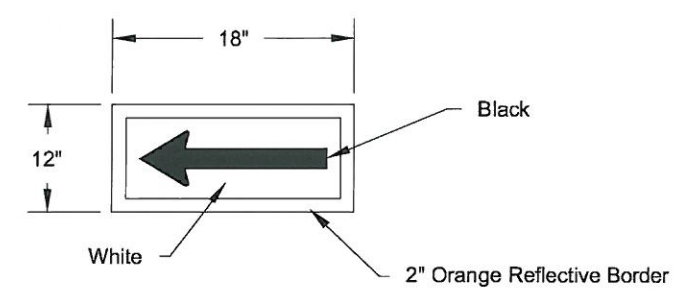
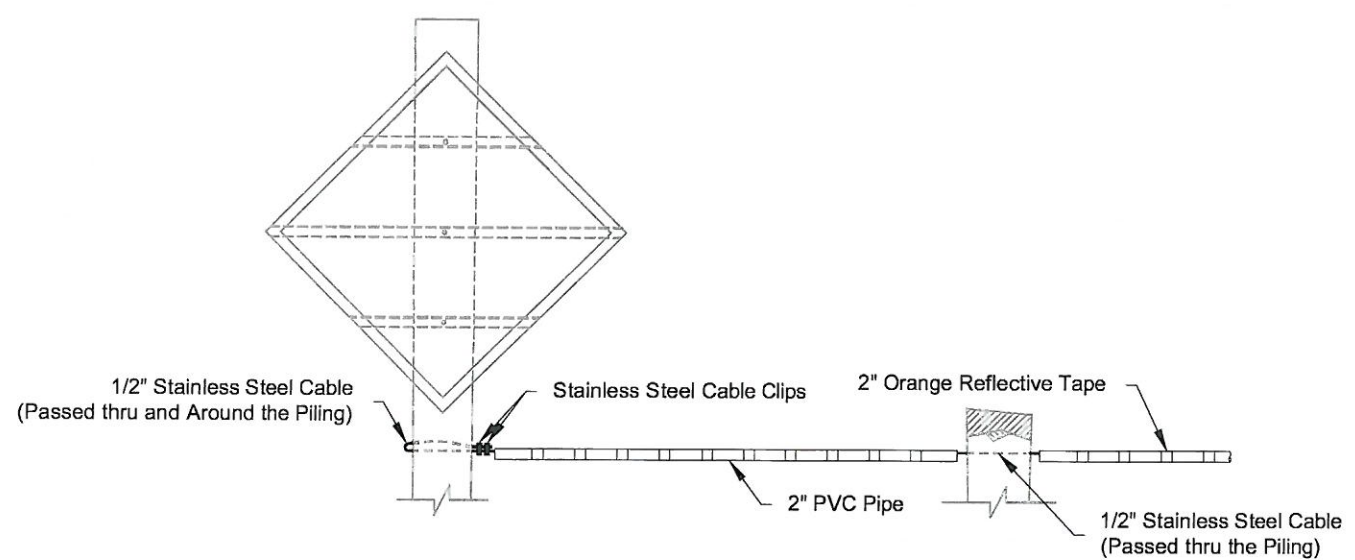
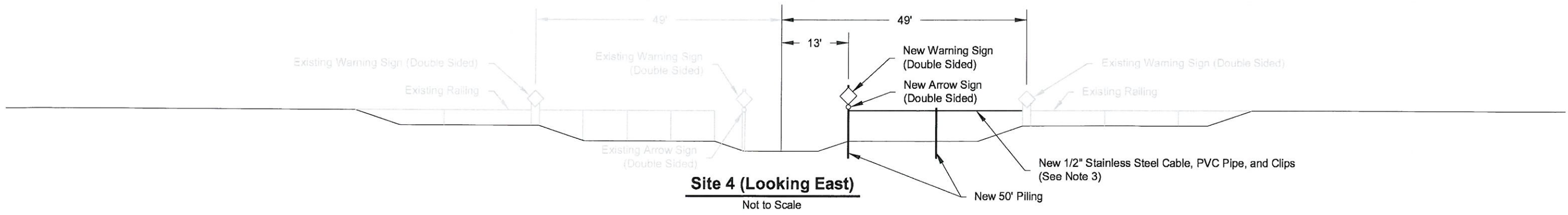
Sign Placement and  
Stainless Steel Cable Details

DATE: 02/13/12

SHEET 12 OF 13

**AS-BUILT**





Notes

1. Sheet piling and fill material not shown for clarity.
2. Pile cap is continuous to wing-wall. Covering the entire wing-wall.
3. Stainless Steel Cable is at a constant elevation, consistent with the elevation at the intersection of railing and pile cap.

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION  
OPERATIONS BRANCH  
450 LAUREL STREET  
BATON ROUGE, LOUISIANA 70801

DRAWN BY: LMH      DESIGNED BY: LMH

Cote Blanche Hydrologic Restoration/  
School Bus Bayou Project - As-Built

STATE PROJECT NUMBER: TV-04  
FEDERAL PROJECT NUMBER:  
APPROVED BY: GIL

Sign Placement and  
Stainless Steel Cable Details

DATE: 02/13/12  
SHEET 13 OF 13

AS-BUILT