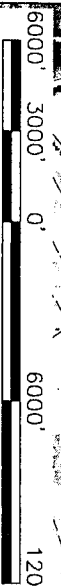


LEGEND

- ▲ — ROCK WEIR w/BARGE BAY
- — ROCK PLUG
- — ROCK WEIR w/BOAT BAY
- ◻ — VARIABLE CREST WEIR
- ◻ — CHANNEL PLUG w/CULVERT
- ++++ — ROCK SHORELINE PROTECTION
- — EARTHEN BANK STABILIZATION
- — ACCESS ROUTE
- - - — PROJECT BOUNDARY



APPLICATION BY:
LAFOURCHE PARISH COUNCIL
101 WEST 112TH STREET
CULTEV, LA 70345

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

APPROVED BY: D. BURKHOLDER

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

- NOTES:**
1. ACCESS DREDGING MAY BE REQUIRED TO REACH SITES 2, 4, 4A, 4B, 7, 8, AND 8A.
 2. FLOATATION DREDGING MAY BE REQUIRED AT SITES 14A, 4A, 4B, AND THE ROCK SHORELINE PROTECTION.

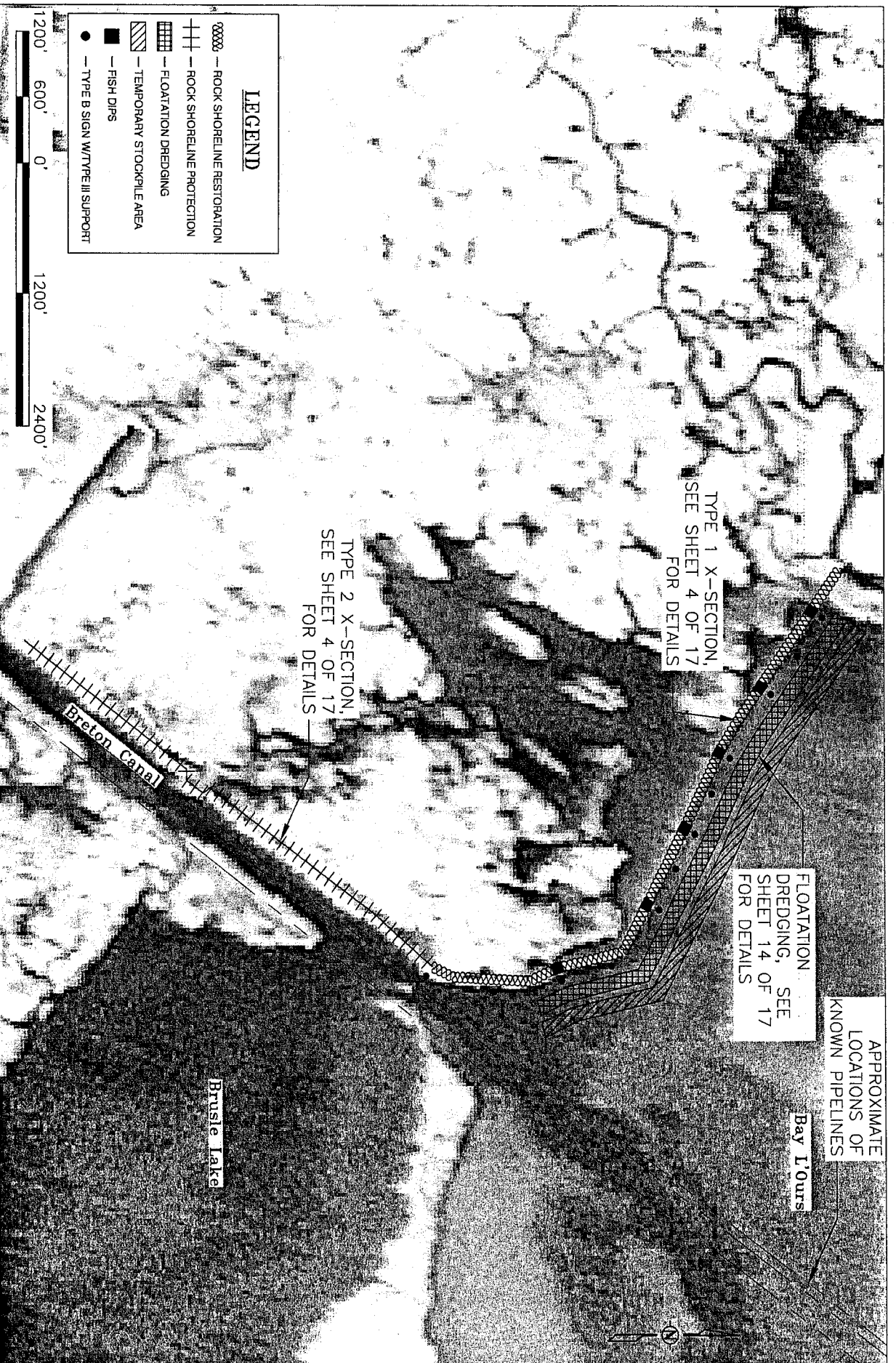
STATE PROJECT NUMBER: BA-02

DATE: MARCH 2011

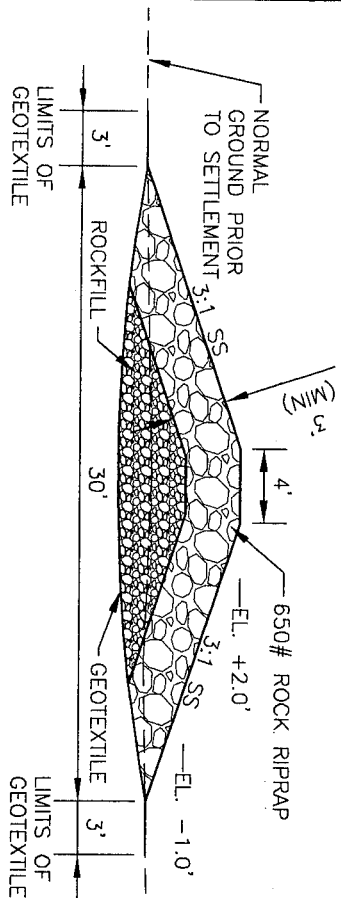
FEDERAL PROJECT NUMBER: BA-02

SHEET 2 OF 24

SECTION, TOWNSHIP
AND RANGE MAP

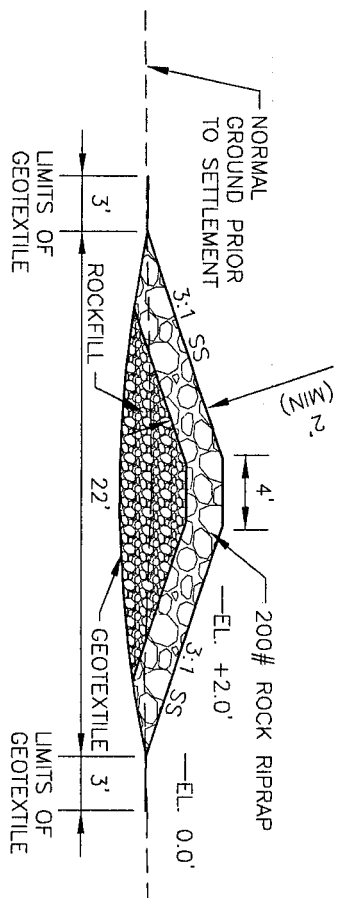


APPLICATION BY: LAFOURCHE PARISH COUNCIL 101 WEST 112TH STREET CUTOFF, LA 70345	LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL ENGINEERING DIVISION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		GJWW to Clovelly Hydrologic Restoration Project (BA-02) MAINTENANCE PLAN	ROCK SHORELINE PLAN VIEW
DRAWN BY: S. TRICHE	DESIGNED BY: B. BABIN	APPROVED BY: D. BURKHOLDER	STATE PROJECT NUMBER: BA-02 FEDERAL PROJECT NUMBER: BA-02	DATE: MARCH 2011 SHEET 3 OF 24



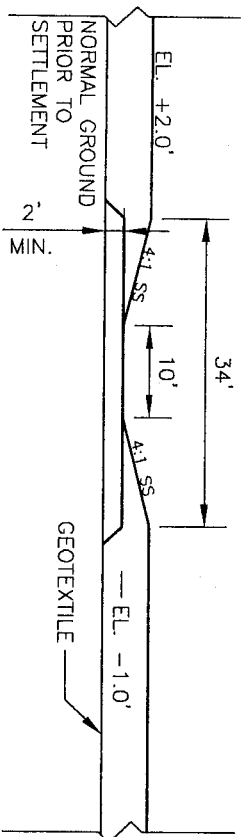
TYPE 1 X-SECTION

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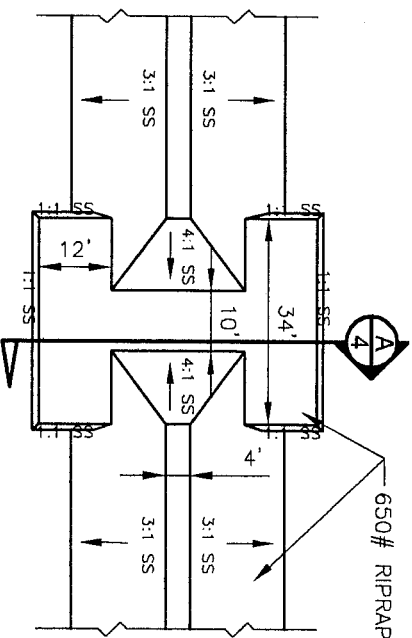
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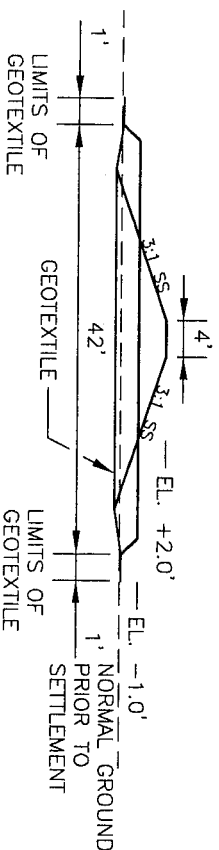
FISH DIP ELEVATION

N.T.S.



FISH DIP PLAN

N.T.S.



FISH DIP SECTION

N.T.S.

A
4

*NOTE
ALL ELEVATIONS ARE IN NAVD 88 FEET.

APPLICATION BY:
LAFARGE PARISH COUNCIL
101 WEST 112TH STREET
CUTOFF, LA 70343

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

ROCK SHORELINE
TYPICAL SECTIONS

STATE PROJECT NUMBER: BA-02

DATE: MARCH 2011

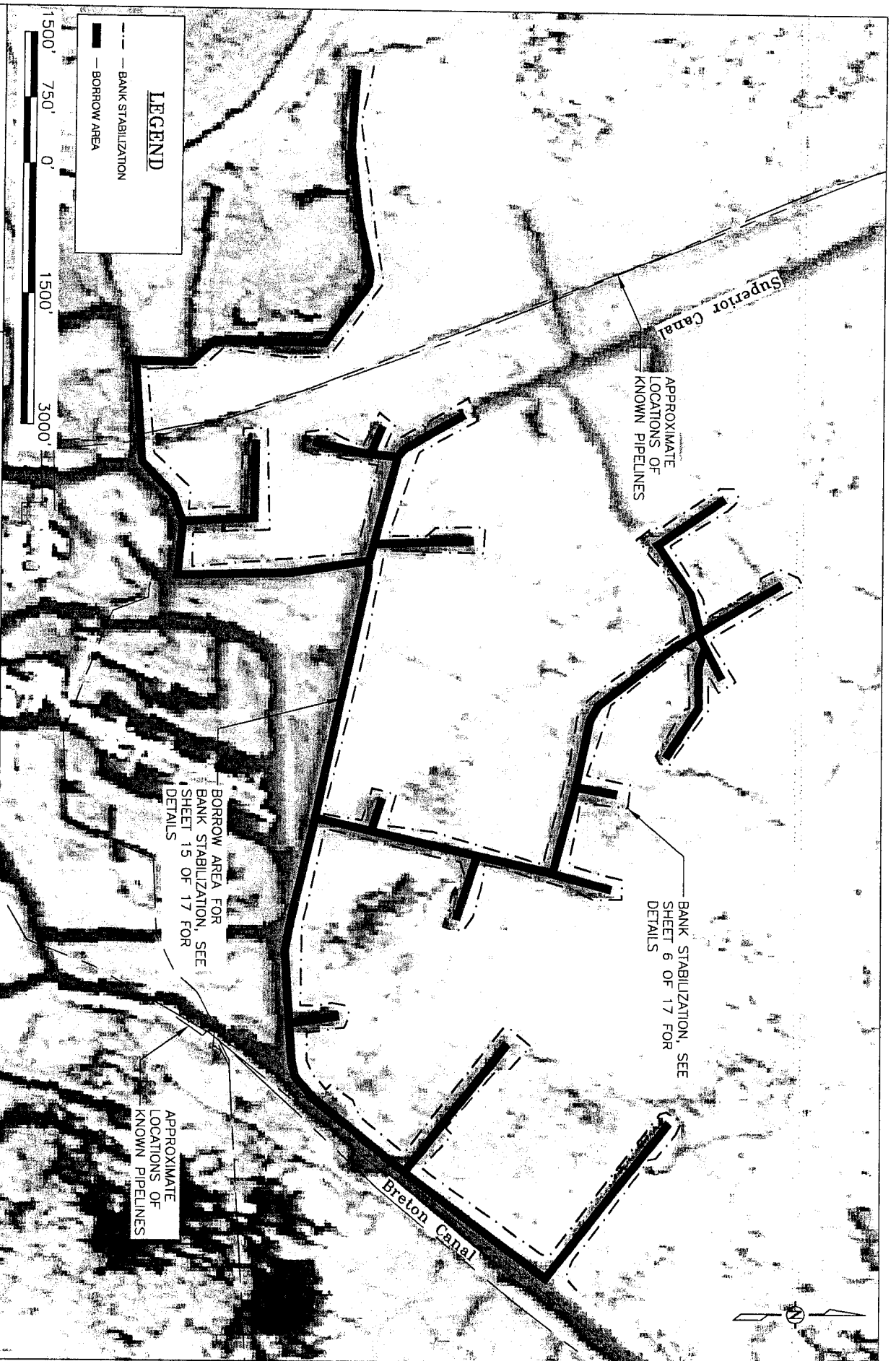
DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

APPROVED BY: D. BURKHOLDER

FEDERAL PROJECT NUMBER: BA-02

SHEET 4 OF 24



APPLICATION BY:
LAFOURCHE PARISH COUNCIL
101 WEST 112TH STREET
CUTOFF, LA 70345

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

BANK STABILIZATION
PLAN VIEW

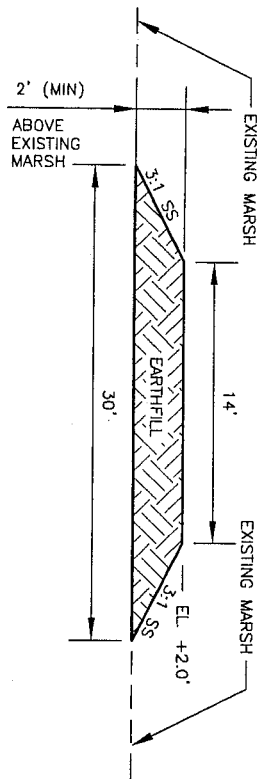
DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

APPROVED BY: D. BURKHOLDER

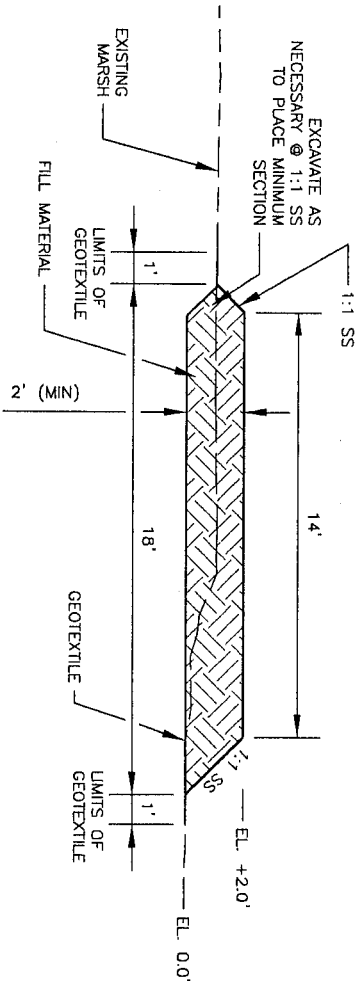
STATE PROJECT NUMBER: BA-02
FEDERAL PROJECT NUMBER: BA-02

DATE: MARCH 2011
SHEET 5 OF 24



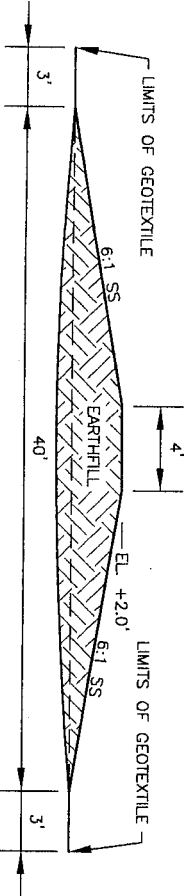
TYPE 3 X-SECTION

N.T.S.



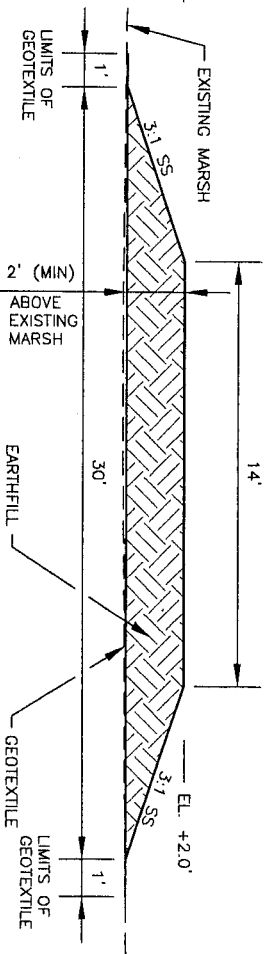
TYPE 4 X-SECTION

N.T.S.



TYPE 5 X-SECTION

N.T.S.



TYPE 6 X-SECTION

N.T.S.

1. TYPE 3 BANK STABILIZATION SHALL BE USED WHEN EXISTING BANK IS BELOW MARSH ELEVATION, LESS THAN 3' OF FILL IS NEEDED AND NO GEOTEXTILE IS REQUIRED.
2. TYPE 4 BANK STABILIZATION SHALL BE USED WHEN EXISTING BANK IS AT MARSH ELEVATION OR HAS ERODED BACK FROM ORIGINAL BANK LINE.
3. TYPE 5 BANK STABILIZATION SHALL BE USED WHEN EXISTING BANK IS BELOW MARSH ELEVATION AND MORE THAN 3' OF FILL IS REQUIRED.
4. TYPE 6 BANK STABILIZATION SHALL BE USED WHEN EXISTING BANK IS BELOW MARSH ELEVATION, LESS THAN 3' OF FILL IS NEEDED AND GEOTEXTILE IS REQUIRED.
5. ALL ELEVATIONS ARE IN NAVD 88 FEET.

APPLICATION BY:
LAFOURCHE PARISH COUNCIL
101 WEST 112TH STREET
COTUIT, LA 70345

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

BANK STABILIZATION
SECTIONS

DRAWN BY: S. THICHE

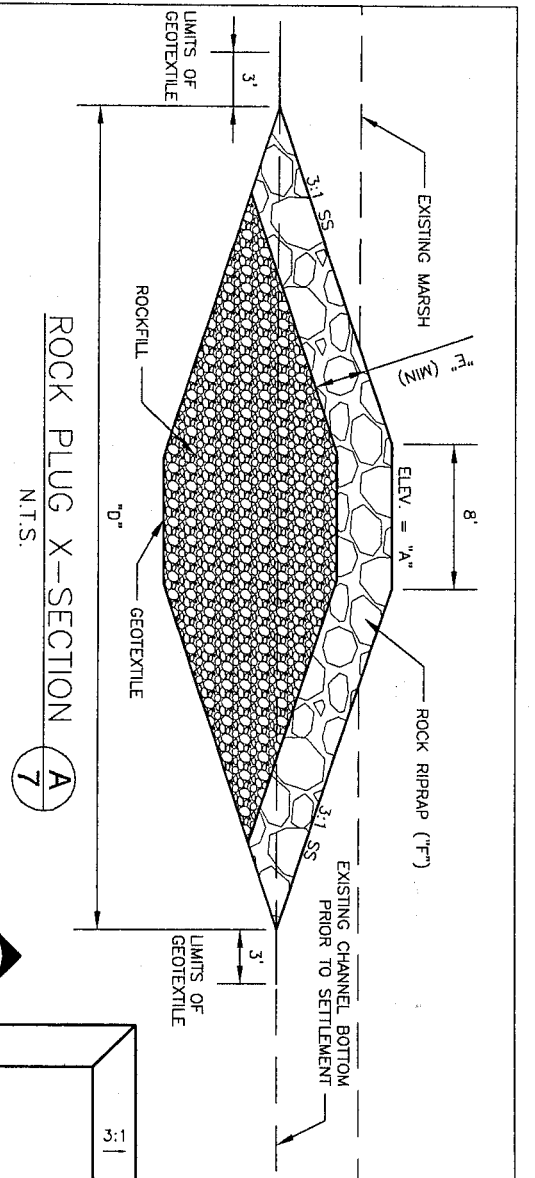
DESIGNED BY: B. BAGIN

APPROVED BY: D. BURKHOLDER

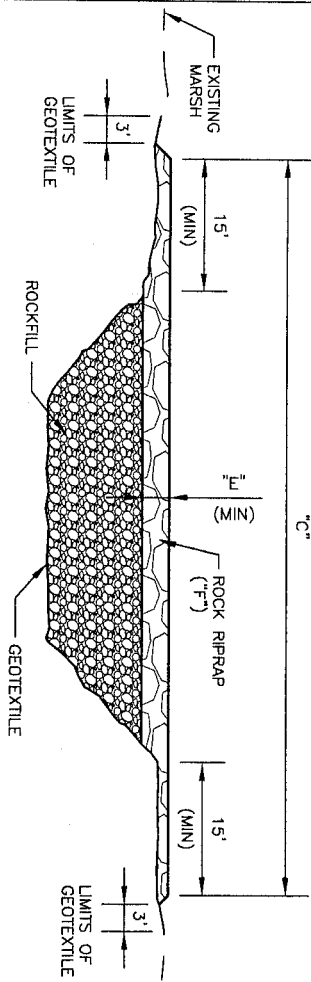
STATE PROJECT NUMBER: BA-02

DATE: MARCH 2011

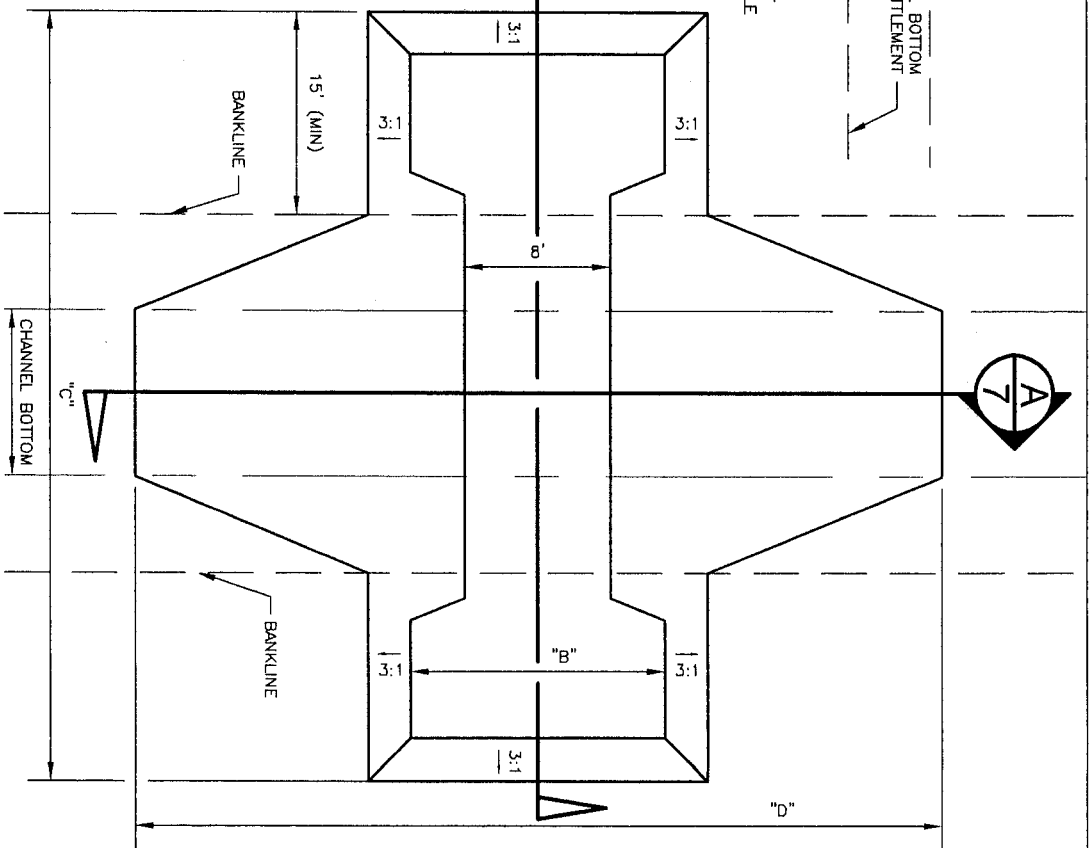
SHEET 6 OF 24



ROCK PLUG X-SECTION A-A
N.T.S.



ROCK PLUG LONGITUDINAL SECTION B-B
N.T.S.



TYPICAL ROCK PLUG PLAN VIEW
N.T.S.

ROCK PLUG SCHEDULE					
SITE #	ELEV.	TOP WIDTH	CONSTRUCTION LIMITS	THICKNESS	RIPRAP
	"A"	"B"	"C"	"D"	"E"
4A	+2.5'	8'	88'	30'	N/A
4B	+3.5'	14'	511'	33'	650#
8A	+3.5'	8'	84'	60'	NONE
43	+2.5'	8'	250'	80'	NONE
90	+4.0'	14'	290'	50'	200#

*NOTE
ALL ELEVATIONS ARE IN NAVD 88 FEET.

APPLICATION BY:
LAFOURCHE PARISH COUNCIL
101 WEST 112TH STREET
COTOP, LA 70343

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

ROCK PLUG
SITE #'s 4A, 4B, 8A, 43, 90

DRAWN BY: S. TRICHE

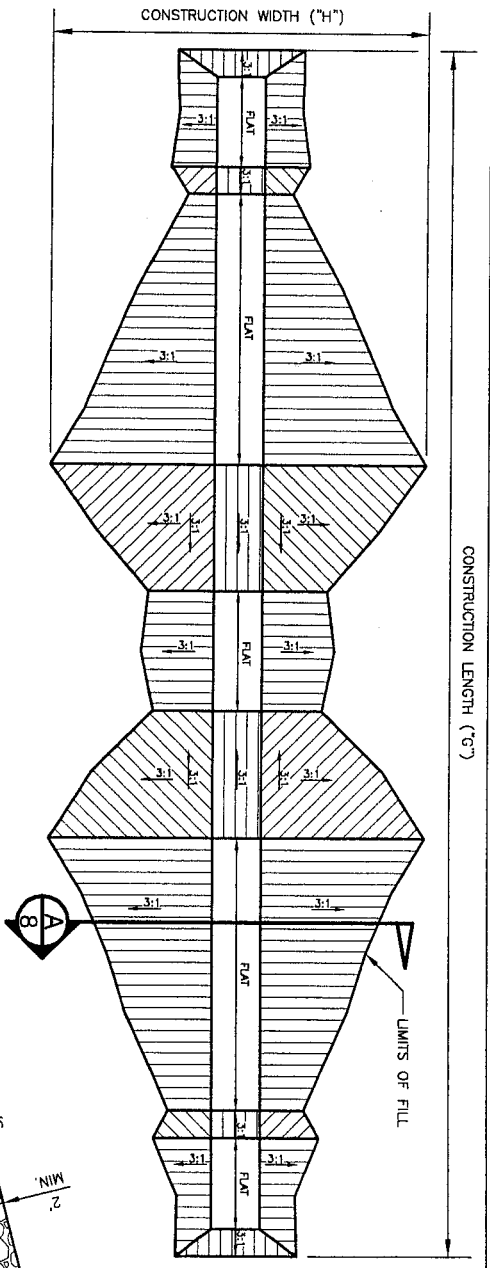
DESIGNED BY: B. BABIN

APPROVED BY: D. BURKHOLDER

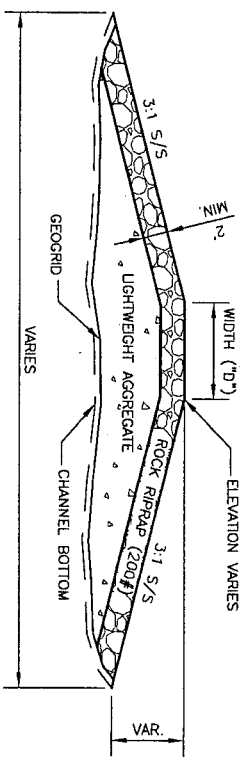
STATE PROJECT NUMBER: BA-02

DATE: MARCH 2011

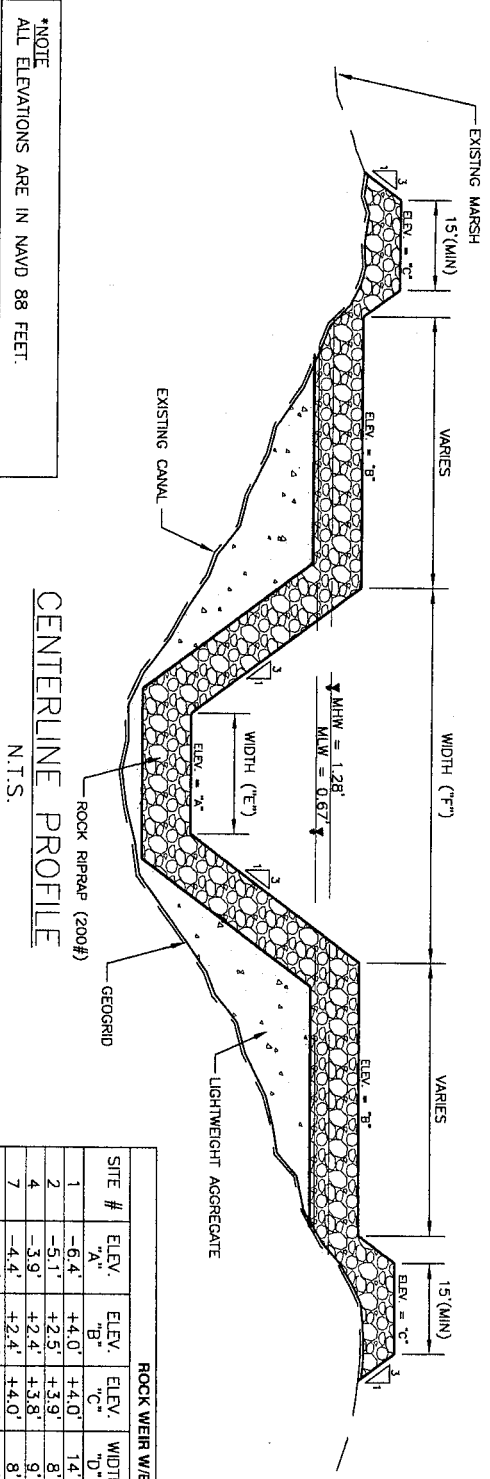
SHEET 7 OF 24



PLAN VIEW
N.T.S.



X-SECTION
N.T.S. A



*NOTE
ALL ELEVATIONS ARE IN NAVD 88 FEET.

CENTERLINE PROFILE
N.T.S.

ROCK WEIR W/BOAT BAY SCHEDULE									
SITE #	ELEV. "A"	ELEV. "B"	ELEV. "C"	WIDTH "D"	WIDTH "E"	WIDTH "F"	CONSTRUCTION LIMITS "G"	CONSTRUCTION LIMITS "H"	
1	-6.4'	+4.0'	+4.0'	14'	26.7'	65'	26.3'	80'	
2	-5.1'	+2.5'	+3.9'	8'	15'	5.3'	200'	85'	
4	-3.9'	+2.4'	+3.8'	9'	20'	5.2'	170'	45'	
7	-4.4'	+2.4'	+4.0'	8'	20'	46'	200'	55'	
8	-3.5'	+2.8'	+2.8'	8'	8'	30'	65'	22'	

APPLICATION BY:
LAFORCHE PARISH COUNCIL
101 WEST 117TH STREET
CUTOFF, LA 70345

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

ROCK WEIR W/BOAT BAY
SITE #'s 1, 2, 4, 7, 8

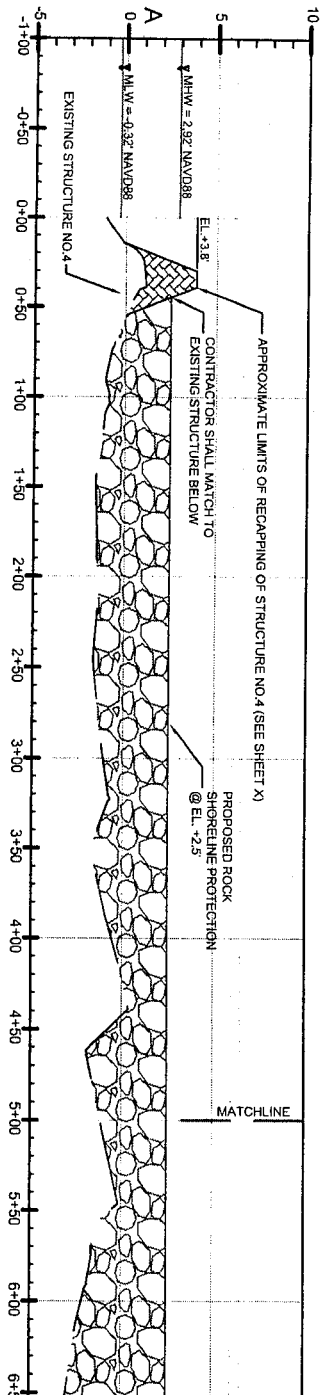
DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

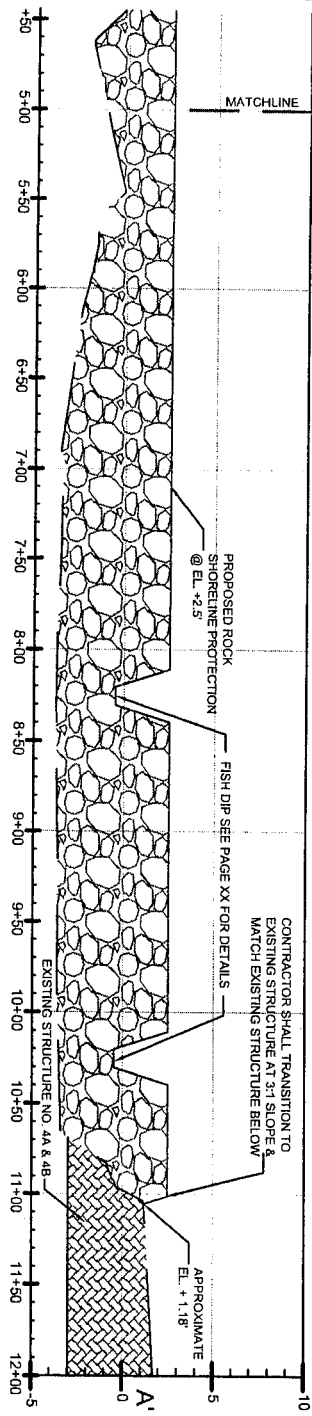
APPROVED BY: D. BURKHOLDER

STATE PROJECT NUMBER: BA-02
FEDERAL PROJECT NUMBER: BA-02

DATE: MARCH 2011
SHEET 8 OF 24



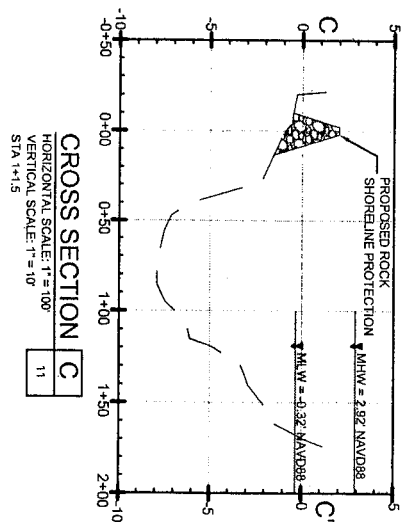
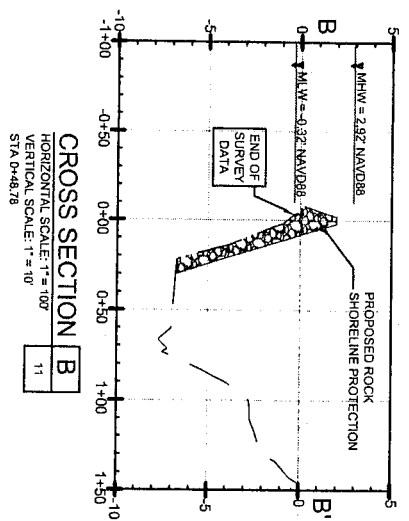
- ### GENERAL NOTES
1. TYPICAL DETAILS FOR THE FISH DIP AND ACCESS CHANNEL DREDGING ARE ON SHEET 9.
 2. DETAILS FOR THE NEW ROCK SHOULDER PROTECTION ARE ON SHEET 8.
 3. EXISTING GRADE ELEVATIONS ARE BASED ON 2008 SURVEY DATA UNLESS SHOWN OTHERWISE.
 4. CONTRACTOR SHALL INSTALL TEMPORARY BENCH MARK AT SITE 4 AND 4A/4B UTILIZING STATE DATUM AS THE CONTROL MONUMENTS. SEE SPECIFICATIONS.
 5. VERTICAL DATUM: NAVD 88 (2004.65) GEOID03 (2004.65) COORDINATE UNITS: US SURVEY FEET.



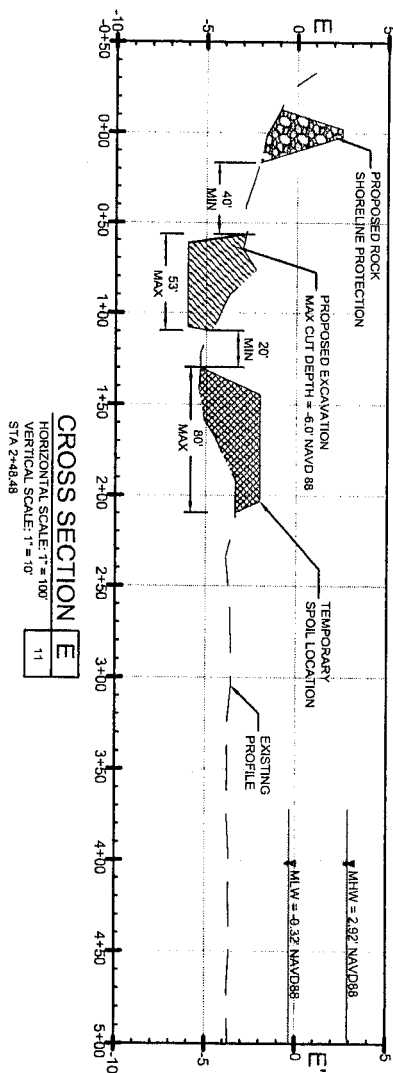
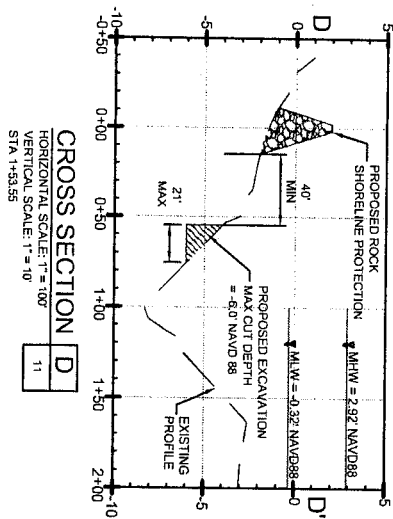
PROFILE A

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 10'

APPLICATION BY: LAFOURCHE PARISH COUNCIL 101 WEST 117TH STREET CUTOFF, LA 70345	LOUISIANA DEPARTMENT OF NATURAL RESOURCES COASTAL ENGINEERING DIVISION 617 NORTH 3RD STREET BATON ROUGE, LOUISIANA 70802		GIVWW to Clovelly Hydrologic Restoration Project (BA-02) 2010 MAINTENANCE PLAN		SITE 4 TO 4A/4B PROFILE
DRAWN BY: ACN	DESIGNED BY: J. BIRMINGHAM	APPROVED BY: C. TRUITT	STATE PROJECT NUMBER: BA-02	FEDERAL PROJECT NUMBER: BA-02	DATE: MARCH 2011
					SHEET 10 OF 24



1. TYPICAL DETAILS FOR THE FISH DIP AND ACCESS CHANNEL DREDGING ARE ON SHEET 9.
2. DETAILS FOR THE NEW ROCK SHOULDER PROTECTION ARE ON SHEET 8.
3. EXISTING GRADE ELEVATIONS ARE BASED ON 2008 SURVEY DATA UNLESS SHOWN OTHERWISE.
4. CONTRACTOR SHALL INSTALL TEMPORARY BENCH MARK AT SITE 4 AND 44AB UTILIZING SAME DATUM AS THE CONTROL MONUMENTS, SEE SPECIFICATIONS.
5. VERTICAL DATUM: MAND 88 (2004.65) GEODIOD3 (2004.65) COORDINATE UNITS: US SURVEY FEET.



APPLICATION BY:
LAFOURCHE PARISH COUNCIL
101 WEST 112TH STREET
CUTOFF, LA 70345

**LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION**
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)

2010 MAINTENANCE PLAN

CROSS-SECTIONS

DRAWN BY: AQN

DESIGNED BY: J. BIRMINGHAM

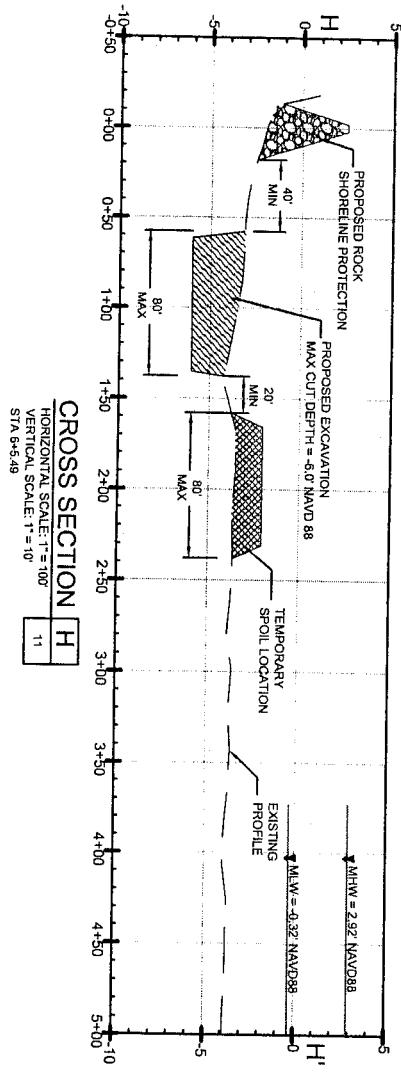
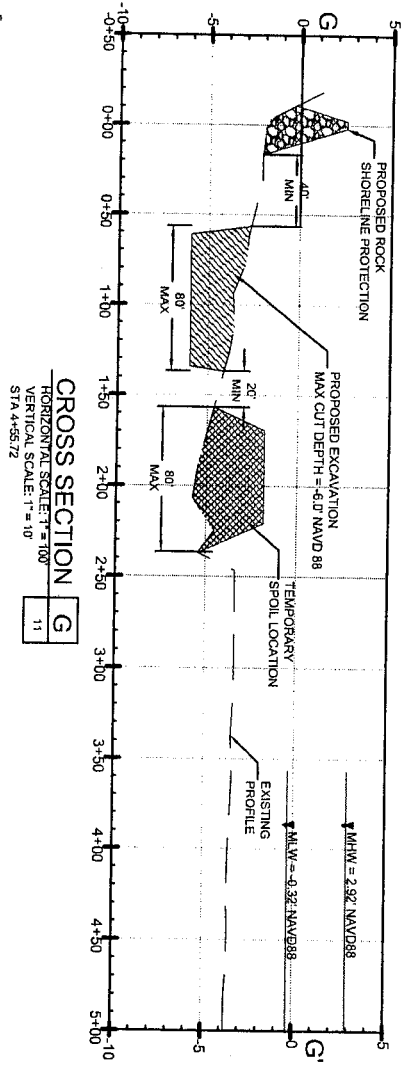
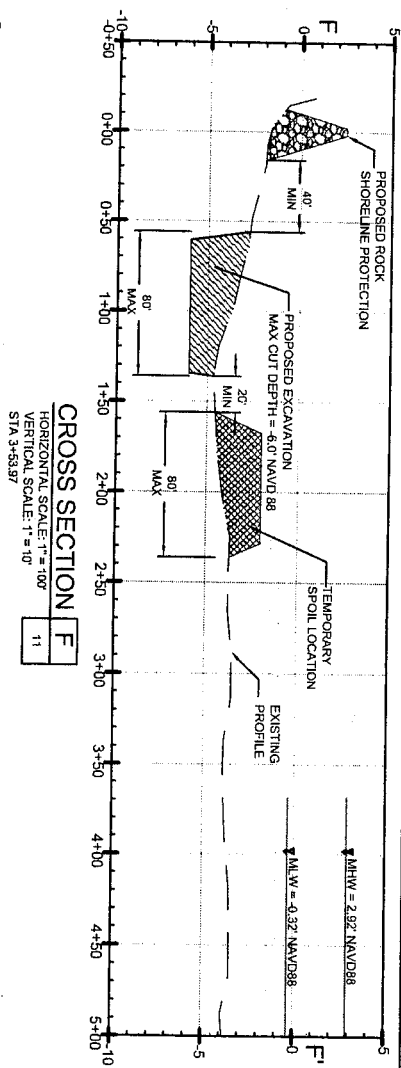
APPROVED BY: C. TRUITT

STATE PROJECT NUMBER: BA-02

FEDERAL PROJECT NUMBER: BA-02

DATE: MARCH 20
SHEET 11 OF 24

- GENERAL NOTES**
1. TYPICAL DETAILS FOR THE FISH DIP AND ACCESS CHANNEL DREDGING ARE ON SHEET 9.
 2. DETAILS FOR THE NEW ROCK SHORELINE PROTECTION ARE ON SHEET 8.
 3. EXISTING GRADE ELEVATIONS ARE BASED ON 2008 SURVEY DATA UNLESS SHOWN OTHERWISE.
 4. CONTRACTOR SHALL INSTALL TEMPORARY BENCH MARK AT SITE 4 AND 4A/4B UTILIZING SAME DATUM AS THE CONTROL MONUMENTS. SEE SPECIFICATIONS.
 5. VERTICAL DATUM: NAVD 88 (2004.65) GEOD03 (2004.65) COORDINATE UNITS: US SURVEY FEET.



APPLICATION BY:
 LAFOURCHES PARISH COUNCIL
 101 WEST 112TH STREET
 CUTOFF, LA 70345

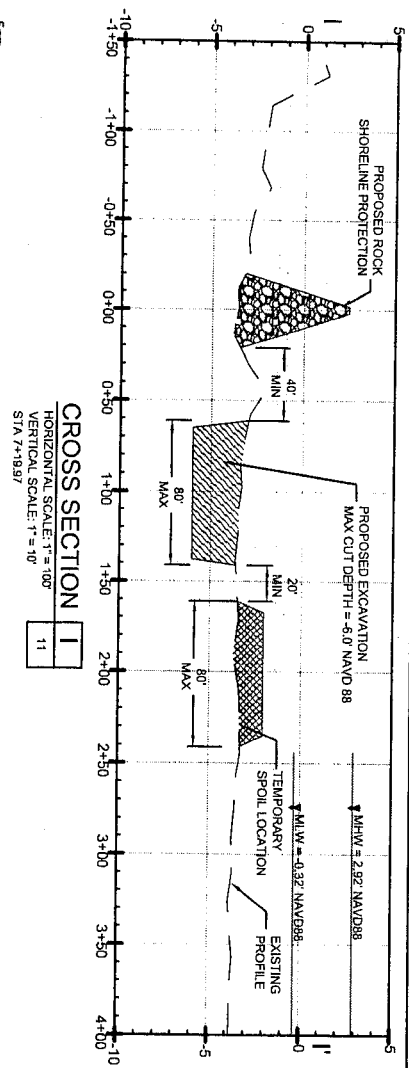
LOUISIANA DEPARTMENT OF NATURAL RESOURCES
 COASTAL ENGINEERING DIVISION
 617 NORTH 3RD STREET
 BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
 Restoration Project (BA-02)
 2010 MAINTENANCE PLAN

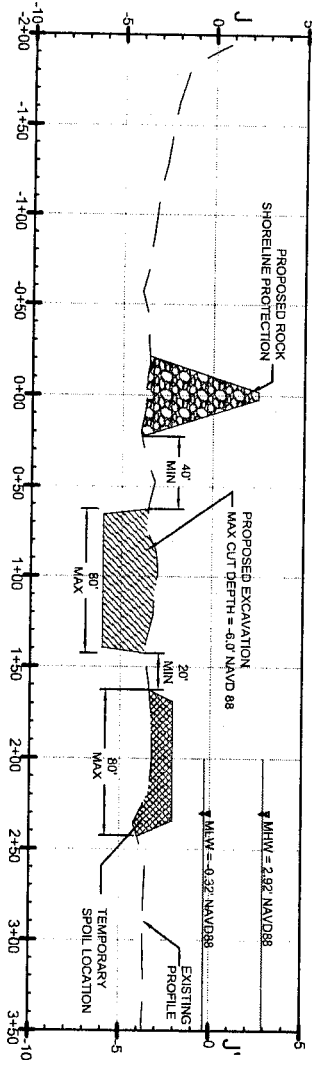
SITE 4 TO 4A/4B
 CROSS-SECTIONS

DRAWN BY: ACN
 DESIGNED BY: J. BIRMINGHAM
 APPROVED BY: C. TRUITT
 STATE PROJECT NUMBER: BA-02
 FEDERAL PROJECT NUMBER: BA-02
 DATE: MARCH 2011
 SHEET 12 OF 24

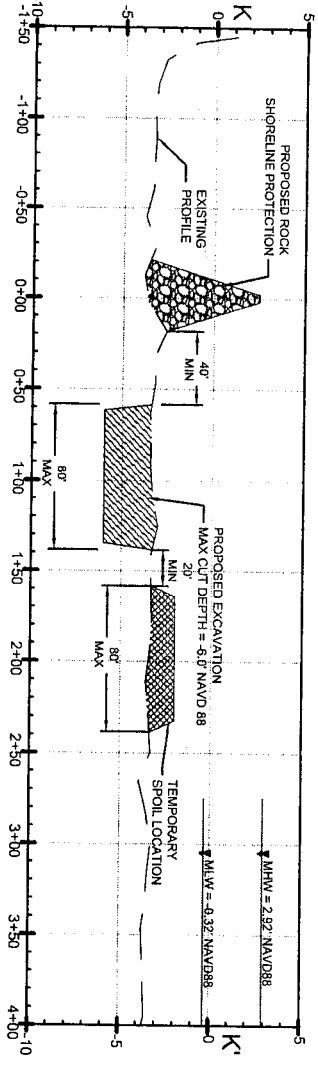
- GENERAL NOTES**
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 5. VERTICAL DATUM: NAVD 88 (2004.65) GEODI03 (2004.65) COORDINATE UNITS: US SURVEY FEET.



CROSS SECTION I
 HORIZONTAL SCALE: 1" = 100'
 VERTICAL SCALE: 1" = 10'
 STA 7+718.97



CROSS SECTION J
 HORIZONTAL SCALE: 1" = 100'
 VERTICAL SCALE: 1" = 10'
 STA 8+20.07



CROSS SECTION K
 HORIZONTAL SCALE: 1" = 100'
 VERTICAL SCALE: 1" = 10'
 STA 9+20.18

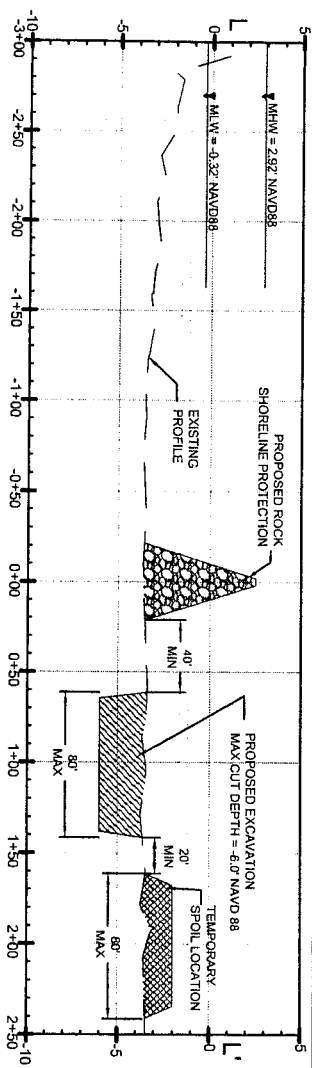
APPLICATION BY:
 LAFOURCHE PARISH COUNCIL
 101 WEST 117TH STREET
 CUTOFF, LA 70346

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
 COASTAL ENGINEERING DIVISION
 617 NORTH 3RD STREET
 BATON ROUGE, LOUISIANA 70822

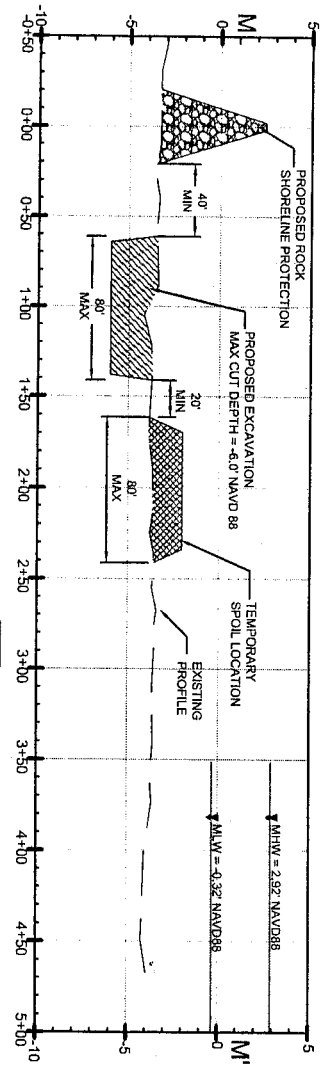
GIWW to Clovelly Hydrologic
 Restoration Project (BA-02)
 2010 MAINTENANCE PLAN

SITE 4 TO 4A/4B
 CROSS-SECTIONS

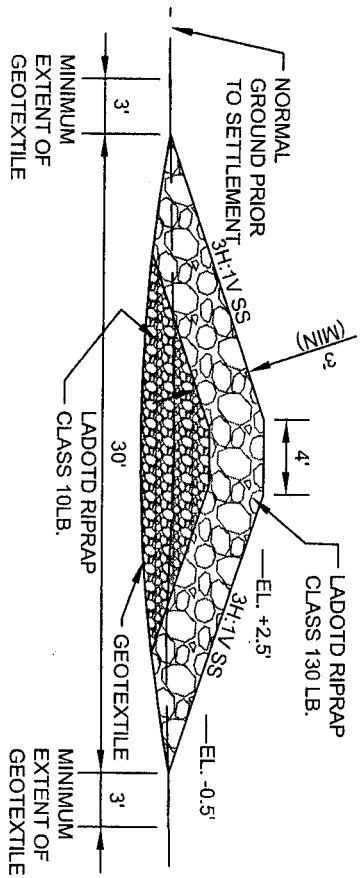
DRAWN BY: ACN
 DESIGNED BY: J. BIRMINGHAM
 APPROVED BY: C. TRUITT
 STATE PROJECT NUMBER: BA-02
 FEDERAL PROJECT NUMBER: BA-02
 DATE: MARCH 2011
 SHEET 13 OF 24



CROSS SECTION L
 HORIZONTAL SCALE: 1" = 100'
 VERTICAL SCALE: 1" = 10'
 STA 10+20.28



CROSS SECTION M
 HORIZONTAL SCALE: 1" = 100'
 VERTICAL SCALE: 1" = 10'
 STA 11+20.39



ROCK SHORELINE PROTECTION - TYPICAL SECTION
 N.T.S.

- GENERAL NOTES**
1. TYPICAL DETAILS FOR THE FISH DIP AND ACCESS CHANNEL DREDGING ARE ON SHEET 9.
 2. EXISTING GRADE ELEVATIONS ARE BASED ON 2008 SURVEY DATA UNLESS SHOWN OTHERWISE.
 3. CONTRACTOR SHALL INSTALL TEMPORARY BENCH MARK AT SITE 4 AND 4A/4B UTILIZING SAME DATUM AS THE CONTROL MONUMENTS. SEE SPECIFICATIONS.
 4. VERTICAL DATUM: NAVD 88 (2004.65) GEOID03 (2004.65) COORDINATE UNITS: US SURVEY FEET.

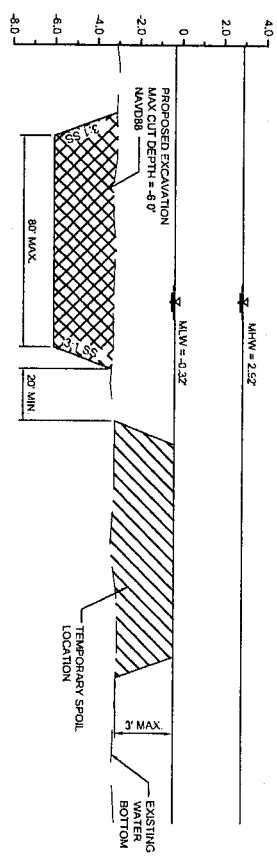
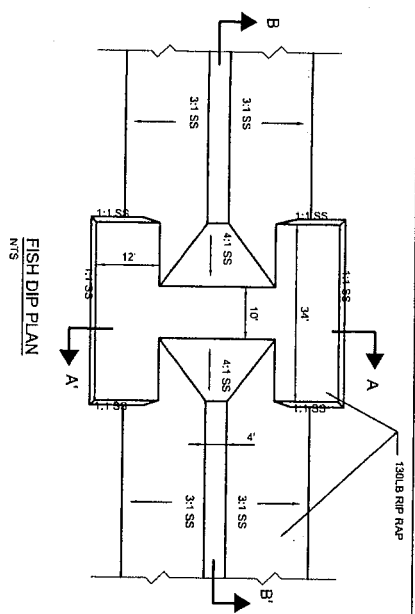
APPLICATION BY:
 LAFOURCHE PARISH COUNCIL
 101 WEST 112TH STREET
 CUTOFF, LA 70346

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
 COASTAL ENGINEERING DIVISION
 617 NORTH 3RD STREET
 BATON ROUGE, LOUISIANA 70802

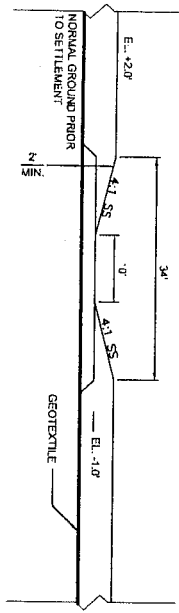
GIWW to Clovelly Hydrologic
 Restoration Project (BA-02)
 2010 MAINTENANCE PLAN

SITE 4 TO 4A/4B
 CROSS-SECTIONS

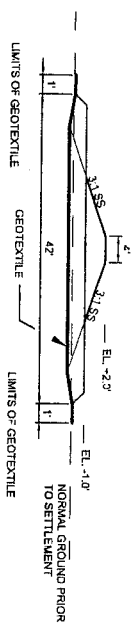
DRAWN BY: AON
 DESIGNED BY: J. BIRMINGHAM
 APPROVED BY: C. TRUITT
 STATE PROJECT NUMBER: BA-02
 FEDERAL PROJECT NUMBER: BA-02
 DATE: MARCH 2011
 SHEET 14 OF 24



TYPICAL ACCESS DREDGING
NTS
B
VARIES



FISH DIP PROFILE B-B'
NTS



FISH DIP SECTION A-A'
NTS

FISH DIP DETAIL
NTS
A
VARIES

APPLICATION BY:
LAFORCHE PARISH COUNCIL
101 WEST 112TH STREET
CUTOFF, LA 70345

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
677 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
2010 MAINTENANCE PLAN

DETAILS

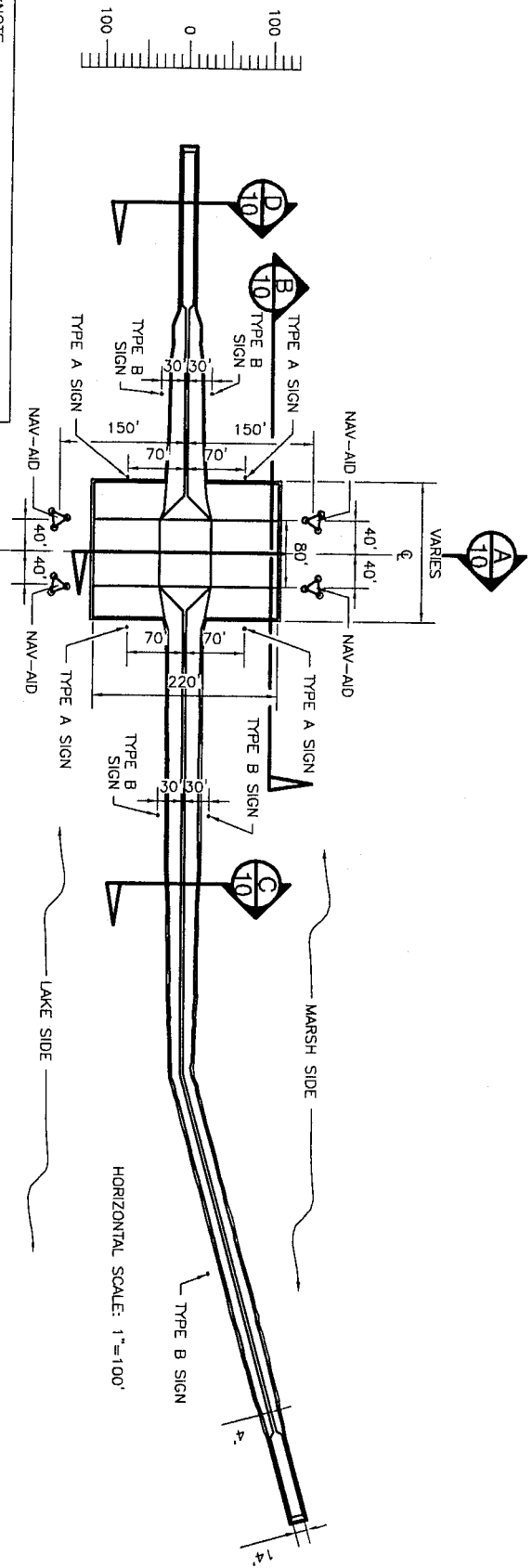
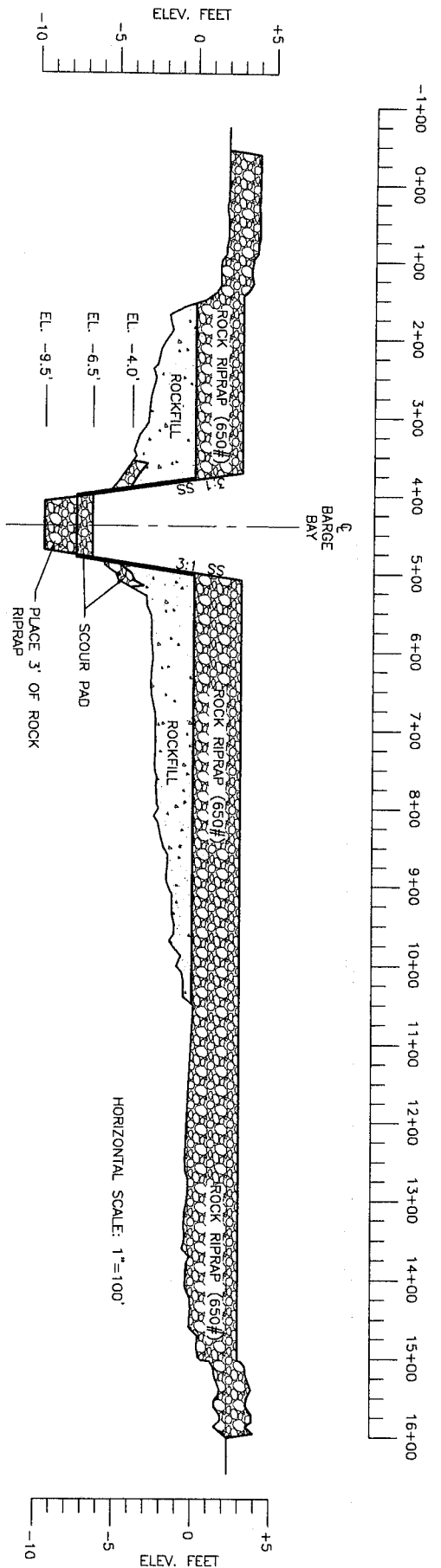
DRAWN BY: L. LIENHOP

DESIGNED BY: B. BABIN

APPROVED BY: D. BURKHOLDER

STATE PROJECT NUMBER: BA-02
FEDERAL PROJECT NUMBER: BA-02

DATE: MARCH 2011
SHEET 15 OF 24



*NOTE
ALL ELEVATIONS ARE IN NAVD 88 FEET.

APPLICATION BY:

LAFORCHE PARISH COUNCIL
101 WEST 112TH STREET
CUTOFF, LA 70345

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

ROCK WEIR W/BARGE BAY
SITE # 14A - PLAN

DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

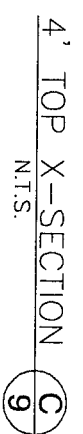
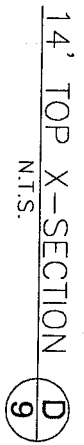
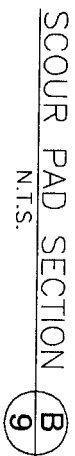
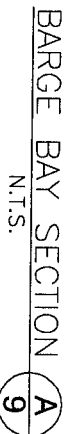
APPROVED BY: D. BURKHOLDER

STATE PROJECT NUMBER: BA-02

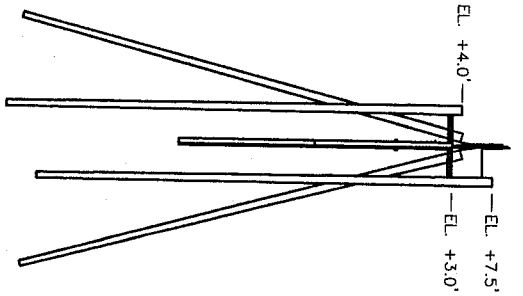
FEDERAL PROJECT NUMBER: BA-02

DATE: MARCH 2011

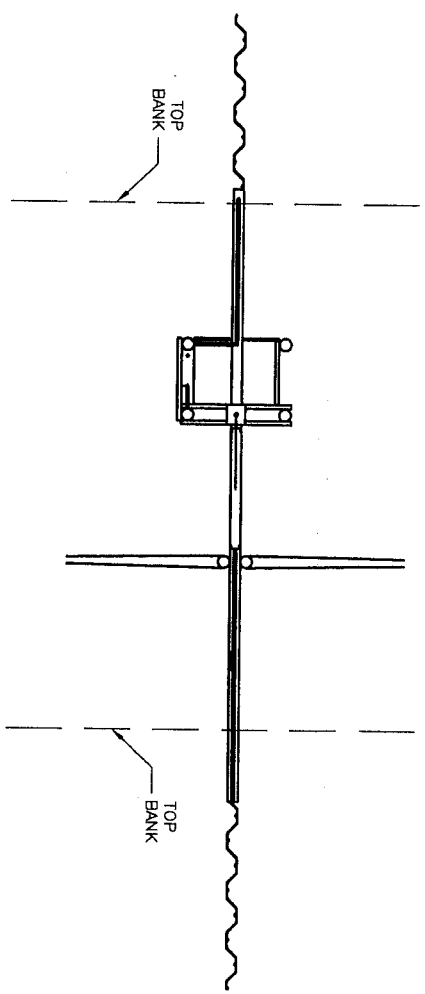
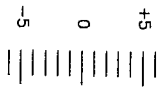
SHEET 16 OF 24



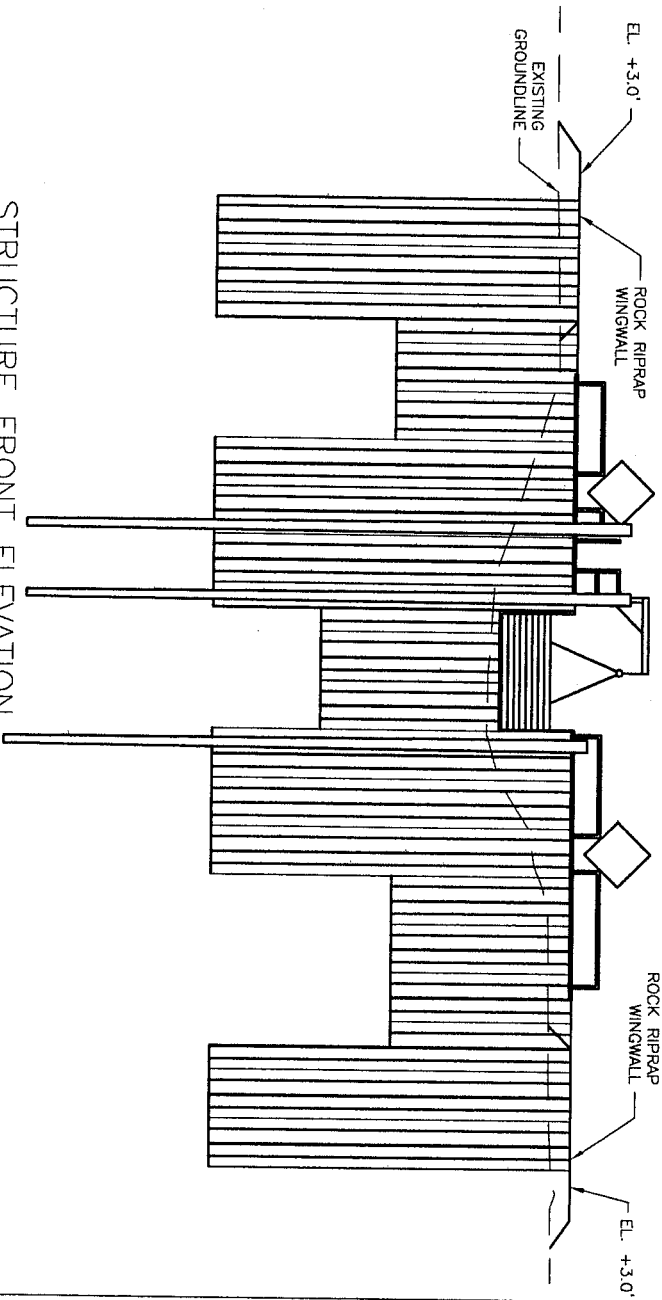
SHEET 17 OF 24



STRUCTURE LEFT
ELEVATION
N.T.S.



STRUCTURE PLAN
N.T.S.



STRUCTURE FRONT ELEVATION
N.T.S.

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BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

VARIABLE CREST WEIR
SITE # 35 - PLAN

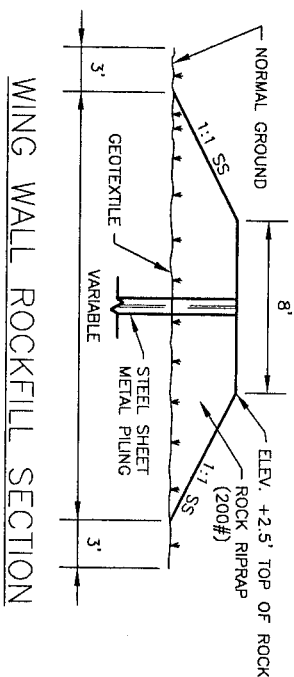
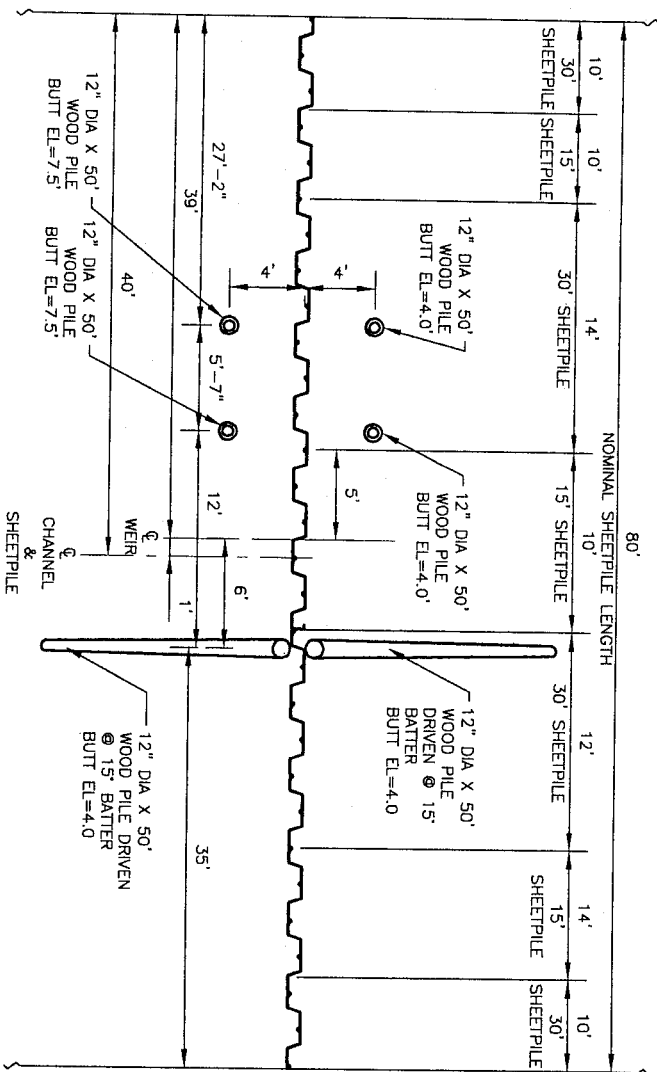
DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

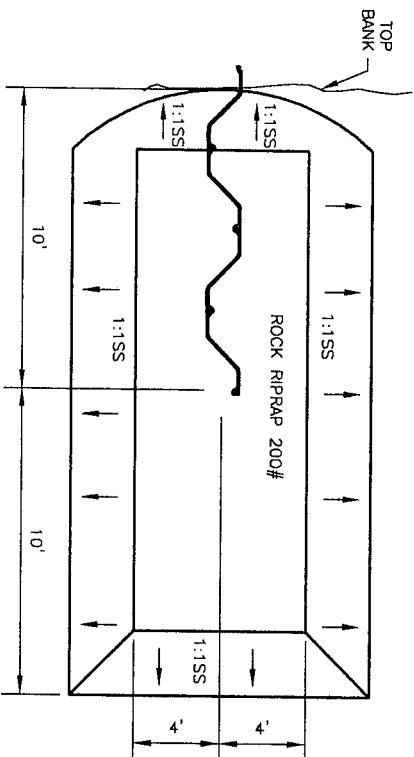
APPROVED BY: D. BURKHOLDER

STATE PROJECT NUMBER: BA-02
FEDERAL PROJECT NUMBER: BA-02

DATE: MARCH 2011
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STRUCTURE LAYOUT
N.T.S.



WING WALL ROCKFILL PLAN VIEW
N.T.S.

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GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

VARIABLE CREST WEIR
SITE # 35 - DETAILS

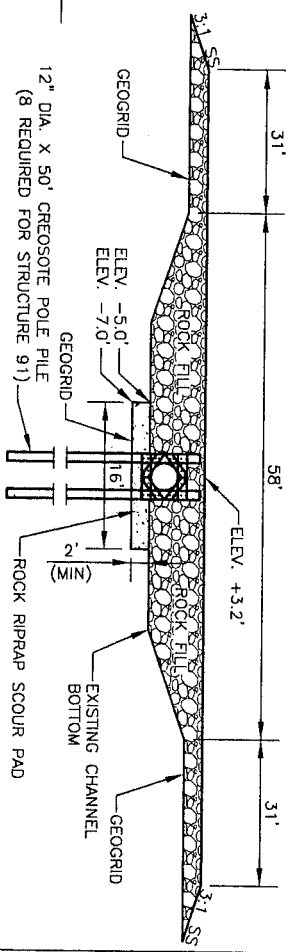
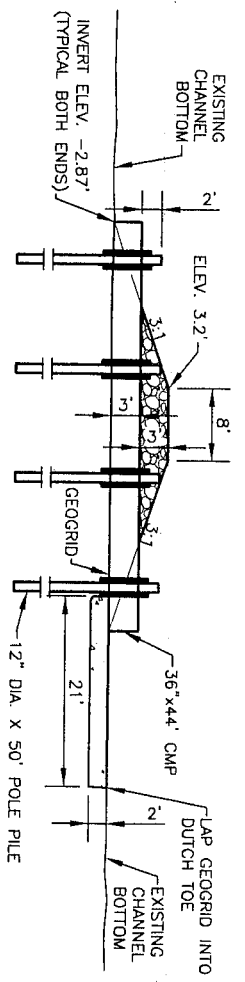
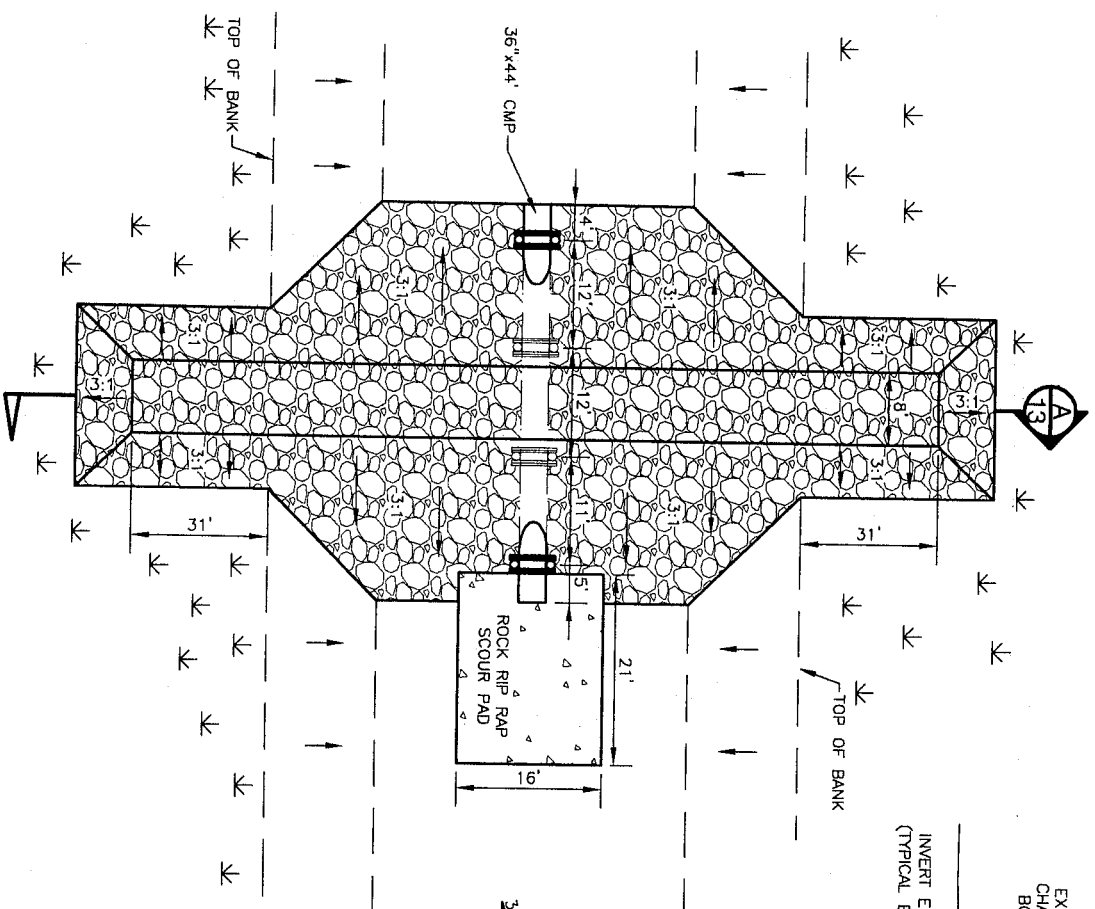
DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

APPROVED BY: D. BURKHOLDER

STATE PROJECT NUMBER: BA-02
FEDERAL PROJECT NUMBER: BA-02

DATE: MARCH 2011
SHEET 19 OF 24



PLAN VIEW
N.T.S.

PROFILE ON CENTERLINE
N.T.S.

SECTION A
13
N.T.S.

*NOTE
ALL ELEVATIONS ARE IN NAVD 88 FEET.

APPLICATION BY:
LAFORCHE PARISH COUNCIL
101 WEST 112TH STREET
CUTOFF, LA 70345

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
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617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

CHANNEL PLUG W/CULVERT
SITE # 90

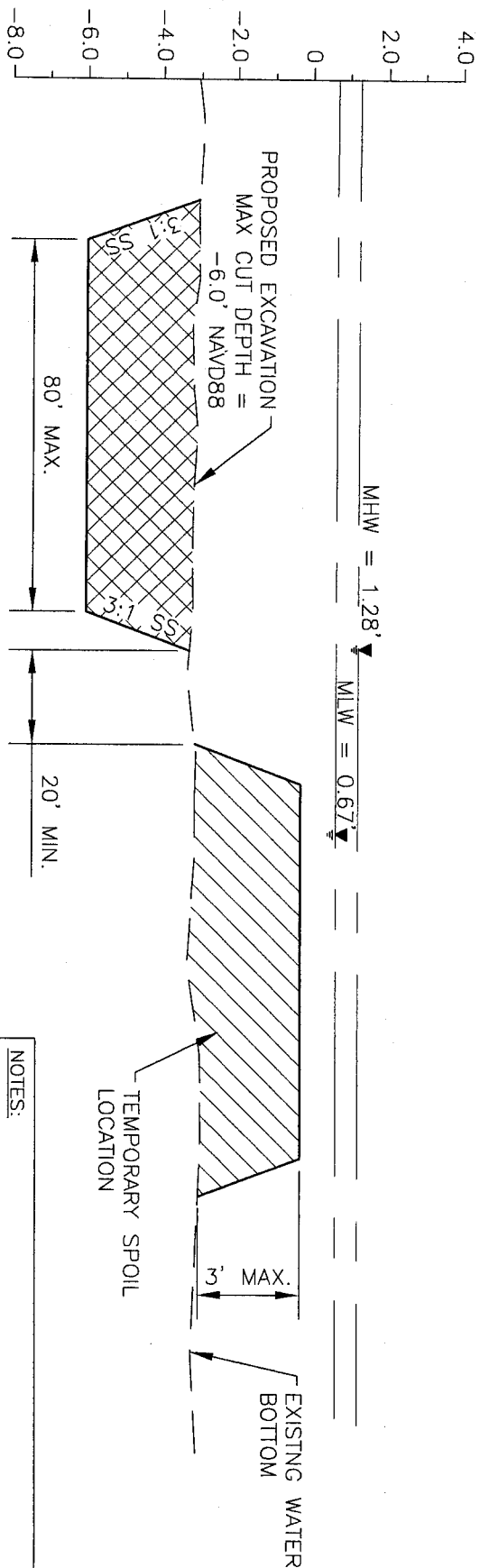
DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

APPROVED BY: D. BURKHOLDER

STATE PROJECT NUMBER: BA-02
FEDERAL PROJECT NUMBER: BA-02

DATE: MARCH 2011
SHEET 20 OF 24

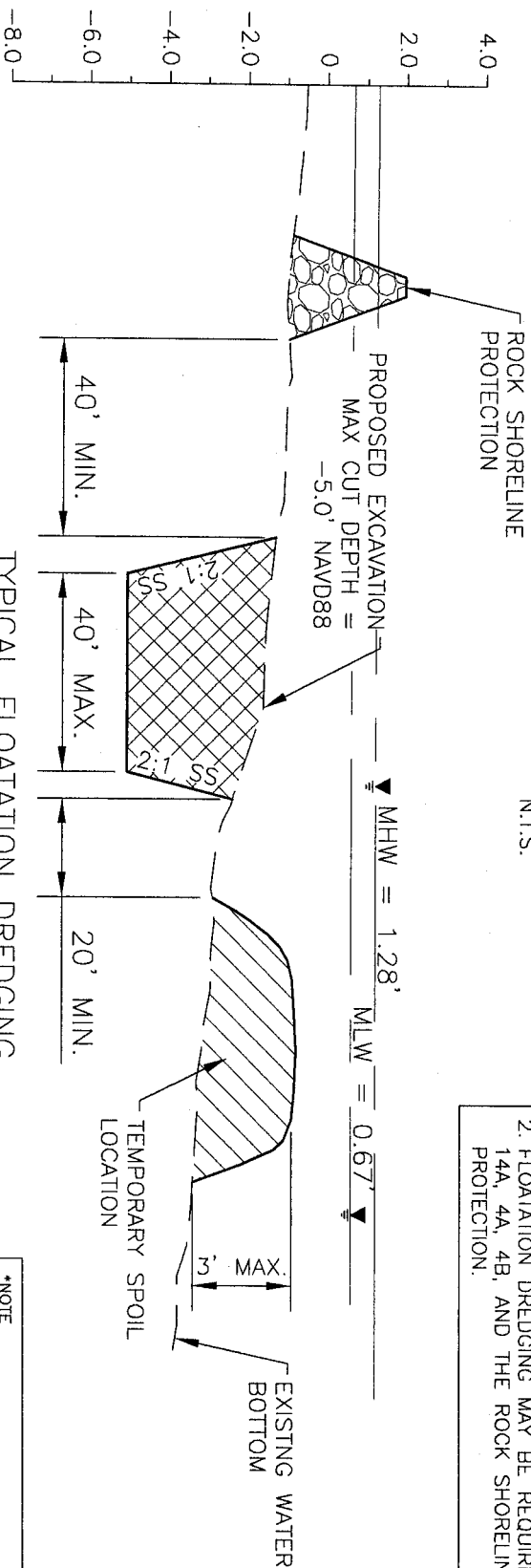


TYPICAL ACCESS DREDGING

N.T.S.

NOTES:

1. ACCESS DREDGING MAY BE REQUIRED TO REACH SITES 2, 4, 4A, 4B, 7, 8, AND 8A.
2. FLOATATION DREDGING MAY BE REQUIRED AT SITES 14A, 4A, 4B, AND THE ROCK SHORELINE PROTECTION.



TYPICAL FLOATATION DREDGING

N.T.S.

*NOTE
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APPLICATION BY:
LAFOURCHE PARISH COUNCIL
101 WEST 112TH STREET
CUTOFF, LA 70343

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

ACCESS DREDGING
TYPICAL SECTIONS

STATE PROJECT NUMBER: BA-02

DATE: MARCH 2011

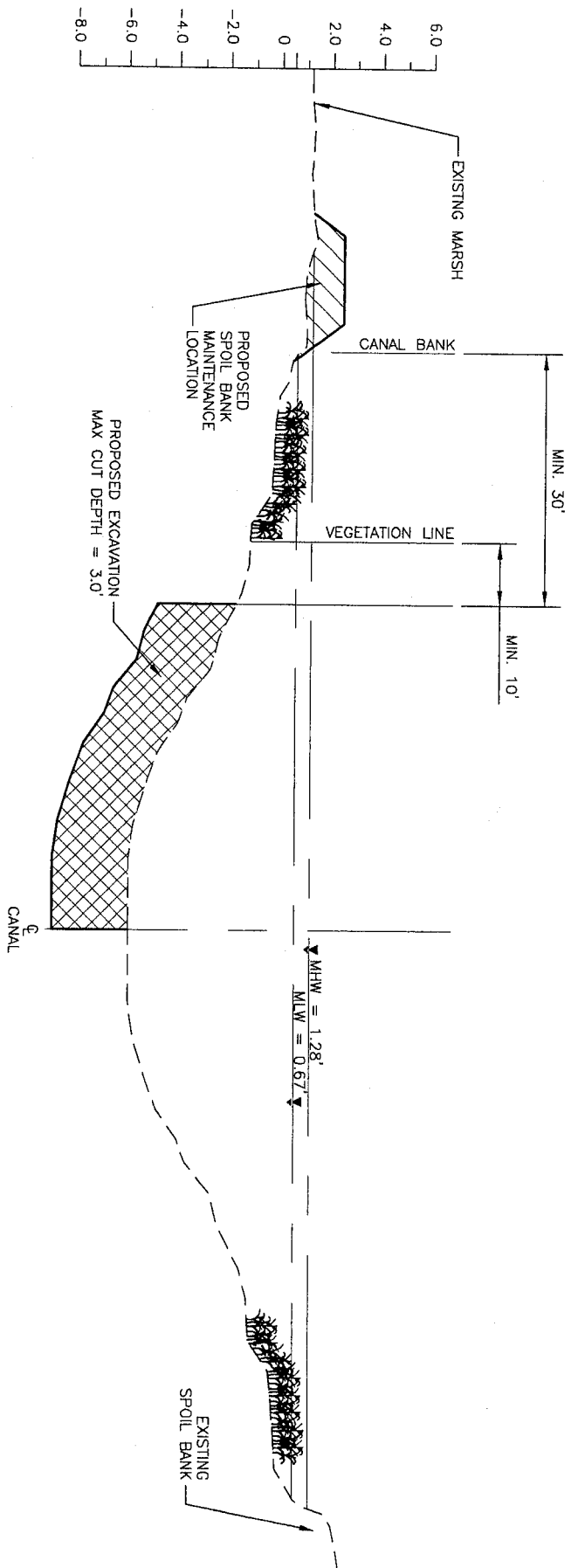
DRAWN BY: S. THICKE

DESIGNED BY: B. BABIN

APPROVED BY: D. BURKHOLDER

FEDERAL PROJECT NUMBER: BA-02

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TYPICAL MAINTENANCE DREDGING N.T.S.

*NOTE
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101 WEST 112TH STREET
CUTOFF, LA 70345

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
COASTAL ENGINEERING DIVISION
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GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

BANK STABILIZATION
TYPICAL MAINTENANCE DREDGING

STATE PROJECT NUMBER: BA-02

DATE: MARCH 2011

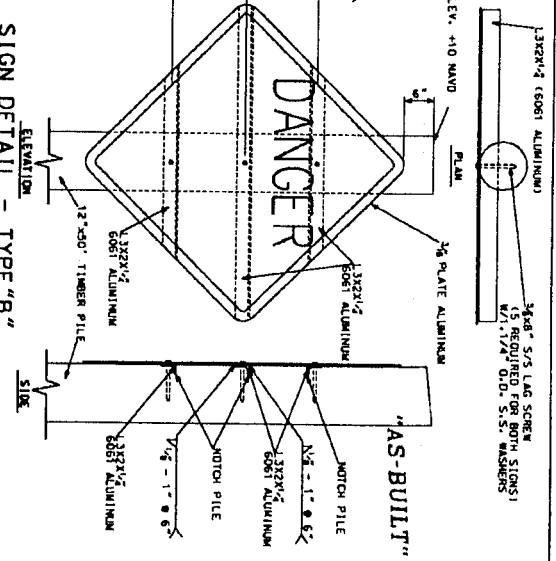
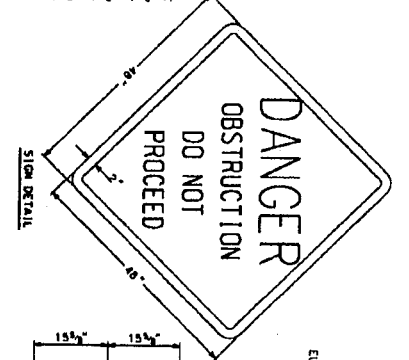
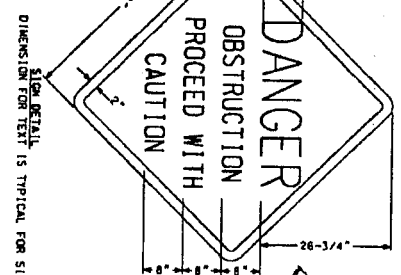
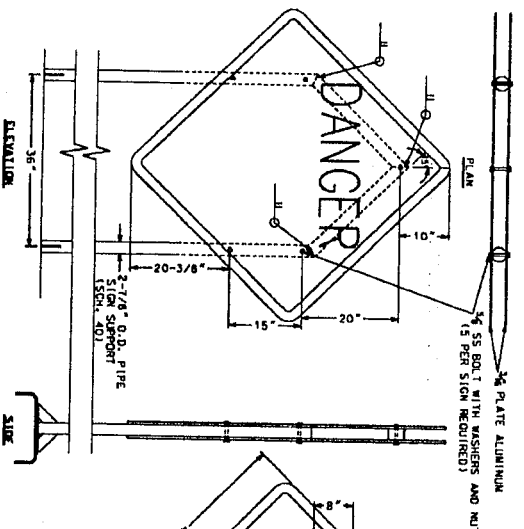
DRAWN BY: S. TRICHE

DESIGNED BY: B. BAIN

APPROVED BY: D. BURKHOLDER

FEDERAL PROJECT NUMBER: BA-02

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SIGN DETAIL - TYPE "A"
SIGN SUPPORT - TYPE "1"

SIGN DETAIL - TYPE "B"
SIGN SUPPORT - TYPE "111"

- NOTES:
1. THE 2" BORDER ON THE TYPE "A" WARNING SIGN SHALL BE A RETRO-REFLECTIVE MATERIAL OF ORANGE COLOR. THE LETTERING FIELD SHALL BE A RETRO-REFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE WARNING SIGN SHALL BE BLACK. WARNING SIGNS SHALL BE PLACED ON THE UPSTREAM AND DOWNSTREAM FACE OF THE STRUCTURE.
 2. RETRO-REFLECTIVE MATERIAL SHALL BE PLACED BETWEEN THE SIGN AND STEEL PIPE AT ALL POINTS OF CONTACT.
 3. SECURE NUTS BY TACK WELDING.

- NOTES:
1. THE 2" BORDER ON THE TYPE "B" WARNING SIGN SHALL BE A RETRO-REFLECTIVE MATERIAL OF ORANGE COLOR. THE LETTERING FIELD SHALL BE A RETRO-REFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE WARNING SIGN SHALL BE BLACK. WARNING SIGNS SHALL BE PLACED ONLY ON THE SIDE FACING THE BAY.
 2. RETRO-REFLECTIVE MATERIAL SHALL BE PLACED BETWEEN THE SIGN AND ALUMINUM SIGNS.

SIGN DETAIL - TYPE "C"

SIGN DETAIL - TYPE "D"
SIGN SUPPORT - TYPE "IV"

- NOTES:
1. THE BORDER ON THE STARBOARD DATUMK WILL BE A RETRO-REFLECTIVE MATERIAL OF RED COLOR. THE AREA INSIDE THE BORDERS WILL BE A RETRO-REFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE DATUMK WILL BE BLACK. THE BORDER ON THE PORT SIDE DATUMK WILL BE A RETRO-REFLECTIVE MATERIAL OF GREEN COLOR. THE AREA INSIDE THE BORDER WILL BE A RETRO-REFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE DATUMK WILL BE BLACK.
 2. ALL DATUMK NAVIGATION AIDS SHALL ABIDE BY U.S.C.G. REGULATIONS.
 3. SIGNS SHALL BE SECURED TO TIMBER PILE WITH 3/8" x 3/8" STAINLESS STEEL LAG SCREWS WITH 1-1/4" O.D. S.S. WASHER.
 4. SECURE NUTS BY TACK WELDING.

- NOTES:
1. SIGNS SHALL BE CONSTRUCTED USING 1/2" PLATE ALUMINUM.
 2. RETRO-REFLECTIVE MATERIAL SHALL BE PLACED BETWEEN STEEL PIPE AND ALUMINUM SIGNS.
 3. THE BORDER SHALL BE A RETRO-REFLECTIVE MATERIAL OF ORANGE COLOR.
 4. THE LETTERING FIELD SHALL BE A RETRO-REFLECTIVE MATERIAL OF WHITE COLOR.
 5. THE SIGN SHALL BE SECURED TO PIPE USING 2-5/8" S.S. BOLTS, WASHERS AND NUTS.
 6. SIGNS WILL BE PLACED ON THE LONGITUDINAL CENTERLINE OF THE STRUCTURE.
 7. SECURE NUTS BY TACK WELDING.

APPLICATION BY:

LAFOURCHE PARISH COUNCIL
101 WEST 112TH STREET
CUTOFF, LA 70345

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COASTAL ENGINEERING DIVISION
617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

SIGN DETAILS

NOT TO SCALE

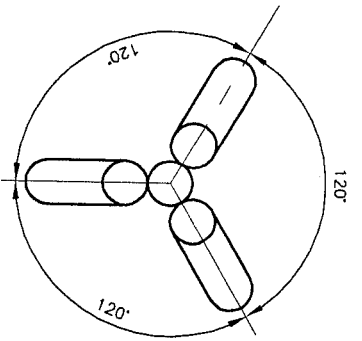
DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

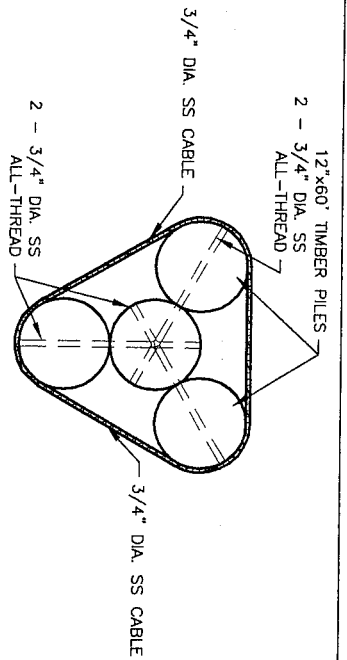
APPROVED BY: D. BURKHOLDER

STATE PROJECT NUMBER: BA-02
FEDERAL PROJECT NUMBER: BA-02

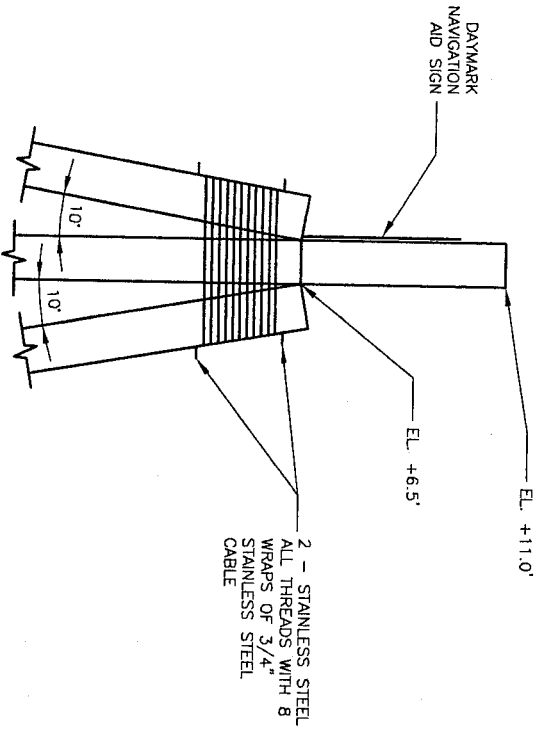
DATE: MARCH 2011
SHEET 23 OF 24



TOP VIEW
N.T.S.

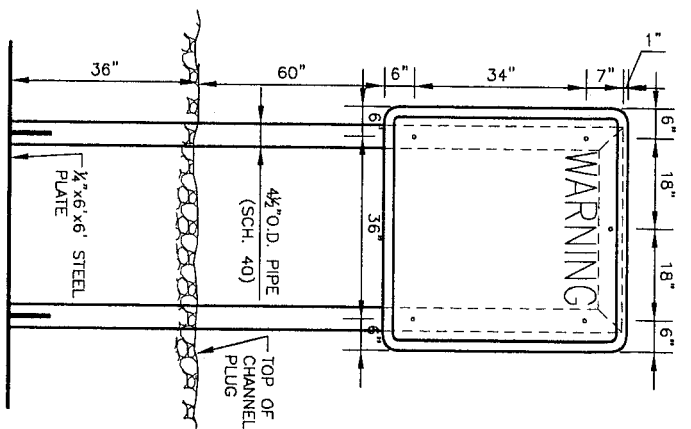


TYPE V - NAV AID SUPPORT
PLAN VIEW
N.T.S.



TYPE V - NAV AID SUPPORT DETAIL
N.T.S.

SITE NO.	SIGN TYPE	SUPPORT TYPE	DESCRIPTION	NUMBER OF SIGNS
1	A	III	PROCEED W/CAUTION	4
1	D	IV	DIRECTIONAL	2
1	C	V	NAVIGATION AIDS	4
2	A	II	PROCEED W/CAUTION	2
2	D	IV	DIRECTIONAL	2
4	A	II	PROCEED W/CAUTION	2
4	D	IV	DIRECTIONAL	2
4B	B	III	DO NOT PROCEED	3
7	A	II	PROCEED W/CAUTION	2
7	D	IV	DIRECTIONAL	2
8	B	II	PROCEED W/CAUTION	1
14A	A	III	PROCEED W/CAUTION	4
14A	B	III	DO NOT PROCEED	6
14A	C	V	NAVIGATION AIDS	4
14A	D	IV	DIRECTIONAL	2
35	B	I	DO NOT PROCEED	2
43	B	II	DO NOT PROCEED	1
90	B	III	DO NOT PROCEED	4
91	B	II	DO NOT PROCEED	1
LAKE RIM SHORELINE	B	III	DO NOT PROCEED	12



TYPE II - SIGN SUPPORT
N.T.S.

APPLICATION BY:
LAFARGE PARISH COUNCIL
101 WEST 112TH STREET
CUTOFF, LA 70345

LOUISIANA DEPARTMENT OF NATURAL RESOURCES
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617 NORTH 3RD STREET
BATON ROUGE, LOUISIANA 70802

GIWW to Clovelly Hydrologic
Restoration Project (BA-02)
MAINTENANCE PLAN

NAVIGATIONAL AID SUPPORTS
DETAILS

DRAWN BY: S. TRICHE

DESIGNED BY: B. BABIN

APPROVED BY: D. BURKHOLDER

STATE PROJECT NUMBER: BA-02

DATE: MARCH 2011

SHEET 24 OF 24