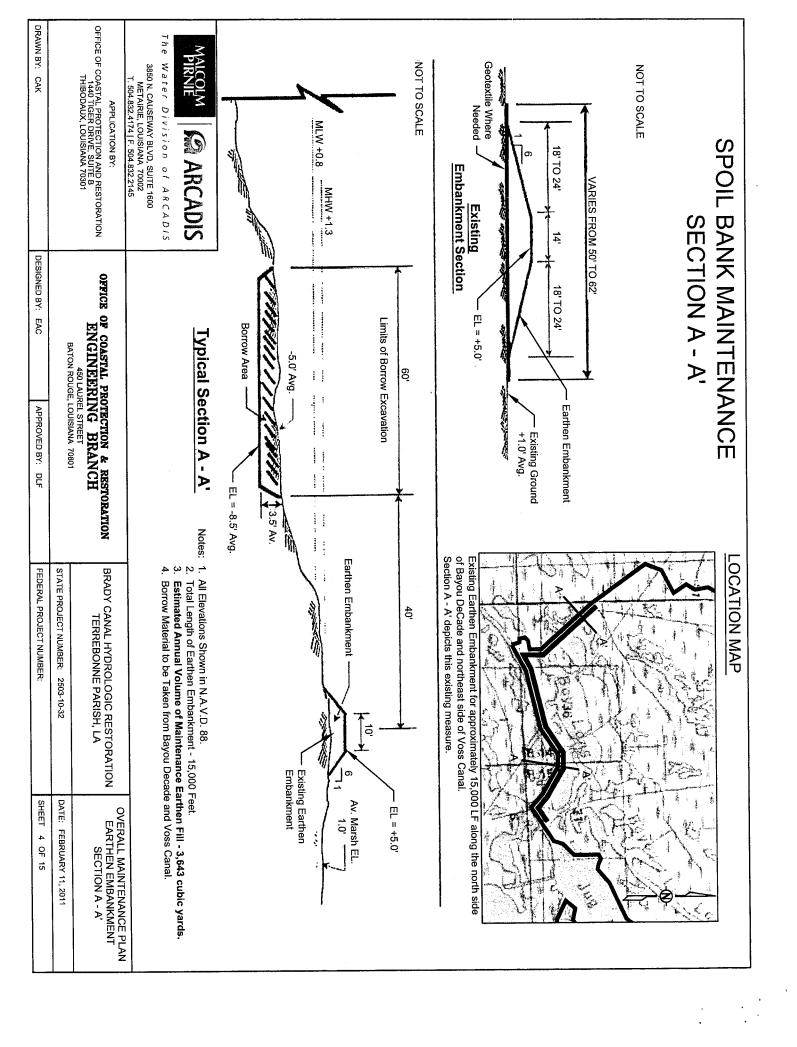
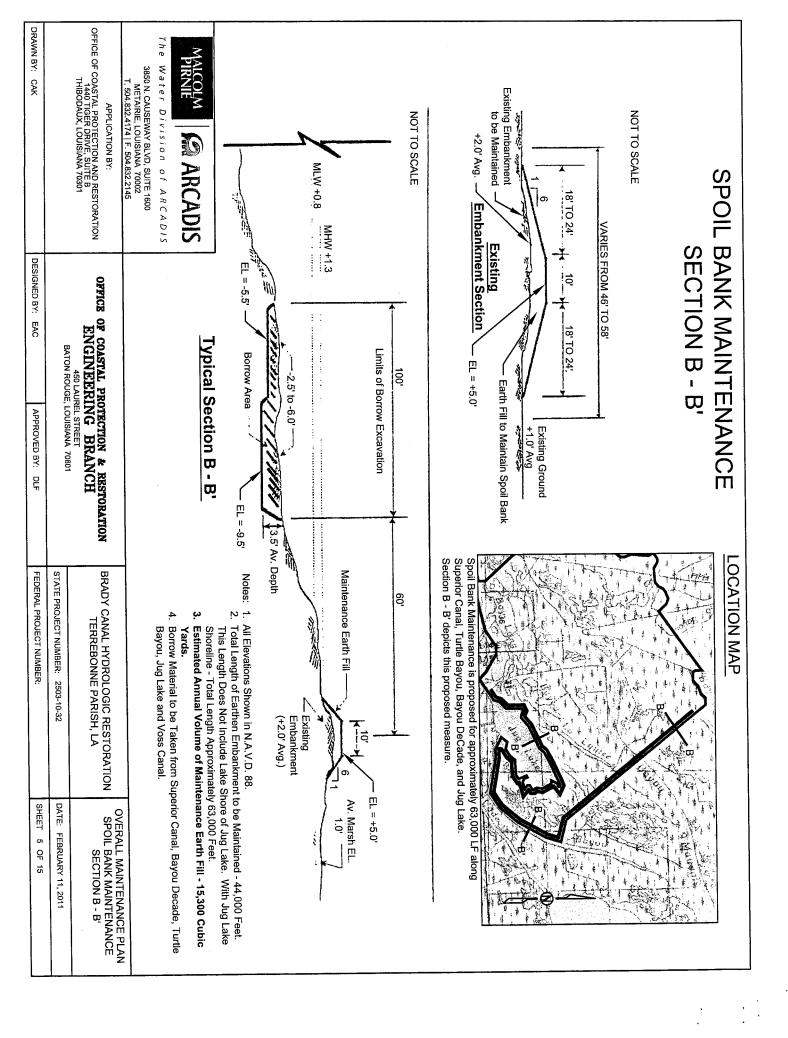
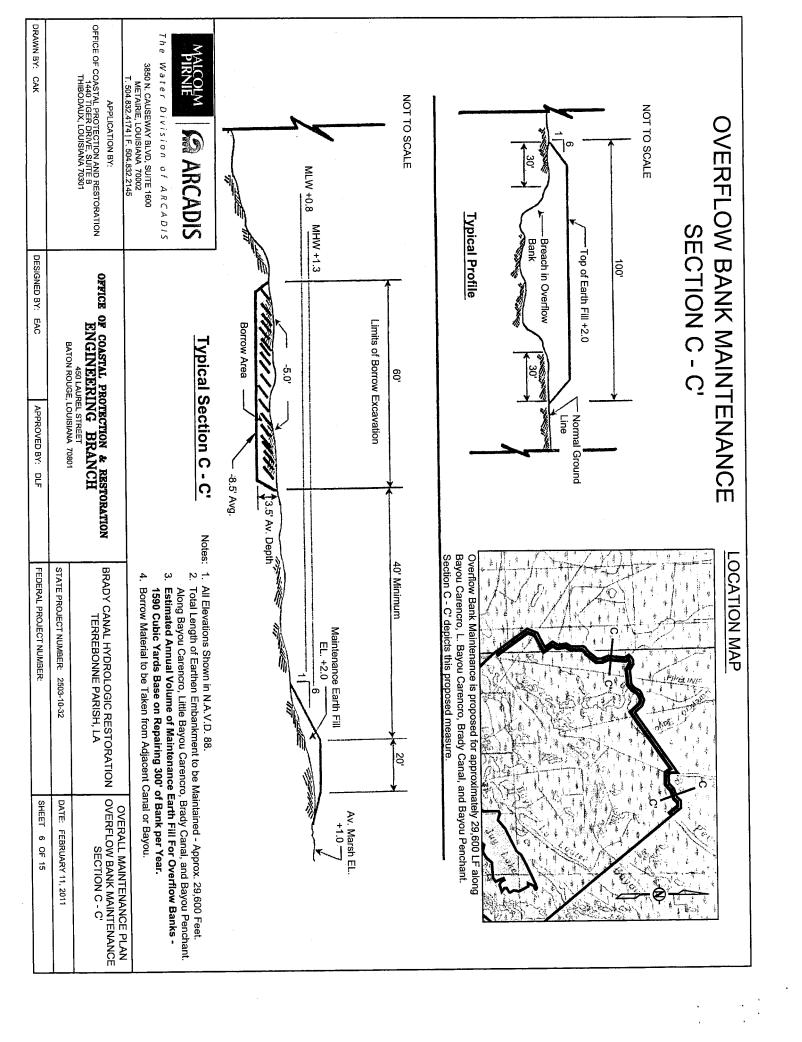


APPLICATION BY: OFFICE OF COASTAL PROTECTION AND RESTORATION 1440 TIGER DRIVE, SUITE B THIBODAUX, LOUISIANA 70301 DRAWN BY: CAK		The Water Division of ARCAD! 3850 N. CAUSEWAY BLVD, SUITE 1600 METAIRIE, LOUISIANA 70002 T. 504.832.4174 J F. 504.832.2145		MAIGOIM (S) ARCADIS											ı		Ţ			1					1		1							
DESIGNE	DESI		0		5				27	26			25			24		23	22		21	20		14	10	7		6	3			1		Evaluation Site
ED BY: EAC	_						Flap Gate						60" Pipe									160	-	40	225	315		285					Width (ft)	Channel
A																						9		7.8	10.9	8	_	8.4				20	Depth (ft)	ie.
1				Flap Gate	V. Crest Weir Inlet	42" Pipe		V. Crest Weir Inlet	42" Pipe	Fixed Crest Weir	Flap Gate	Sluice Gate		Section 2	Section 1	Fixed Crest Weir	Var. Crest Section	Fixed Crest Weir	Earthen Plug		Fixed Crest Weir			Fixed Crest Weir					Var. Crest Weir		Boat Bay	Timber Bulkhead	Туре	Pre-Co
FEDERAL	Ĺ.,				From 0 to -3.5			From 0 to 3.5		-0.5				-2.5	-1.0			-1.0			-1.0			-1.0					From 0 - 1.4		-5.0	0.5	Crest Elevation (ft BML)	Pre-Construction Features
FEDERAL PROJECT NUMBER:	STATE PROJECT NUMBER: 2503-10-32	CANAL HYDRO TERREBONNI			თ			6		16				50	30		16	40			48			33	,				12		9	60	Crest Width (ft)	Š
~	2503-10-32	BRADY CANAL HYDROLOGIC RESTORATION TERREBONNE PARISH, LA												Section 2	Section 1	Fixed Crest Weir	Var. Crest Section	Fixed Crest Weir		Var. Crest Section	Fixed Crest Weir	Channel Armor	Var. Crest Section	Fixed Crest Wire	Channel Armor	Rock Plug	Barge Bay	Fixed Crest Weir		Flap Gates/Stop log	Boat Bay	Bulkhead	Туре	>
SHEET 3 OF 15	DATE: FEBRUARY 11, 2011	OVERALL MAINTENANCE PLAN PROJECT FEATURE TABLE	* Below mea											-2.5	-1.0		From -1.0 to -6.0	-1.0		From -1.0 to -6.0	-1.0		From -1.0 to -6.0	-1.0			-8.0*	-0.5		From 0.5 to -5.0	-5.0	0.5	Crest Elevation (ft BML)	As-Built Features
	, 2011	TENANCE PLAN	Below mean low water.											50	30		12	46		18	30		6	30			70	145		12	10	120	Crest Width (ft)	

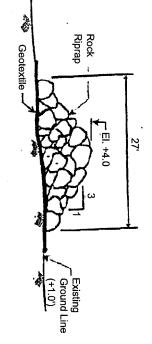








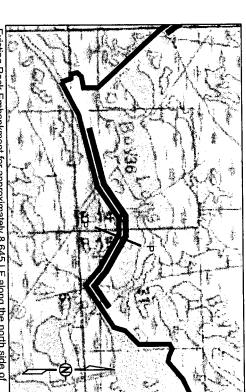
NOT TO SCALE



Detail Section - Existing Rock Embankment

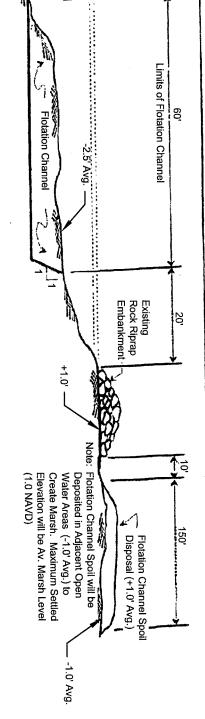
NOT TO SCALE

LOCATION MAP



Bayou DeCade west of Evaluation Site 6. Existing Rock Embankment for approximately 8,645 LF along the north side of

Section P - P' depicts this existing measure



MLW +0.8

MHW +1.3

El. -6.0

Typical Section P - P

(Not to Scale)

The Water Division of ARCADIS

3850 N. CAUSEWAY BLVD, SUITE 1600

METAIRIE, LOUISIANA 70002

MALCOLM

ARCADIS

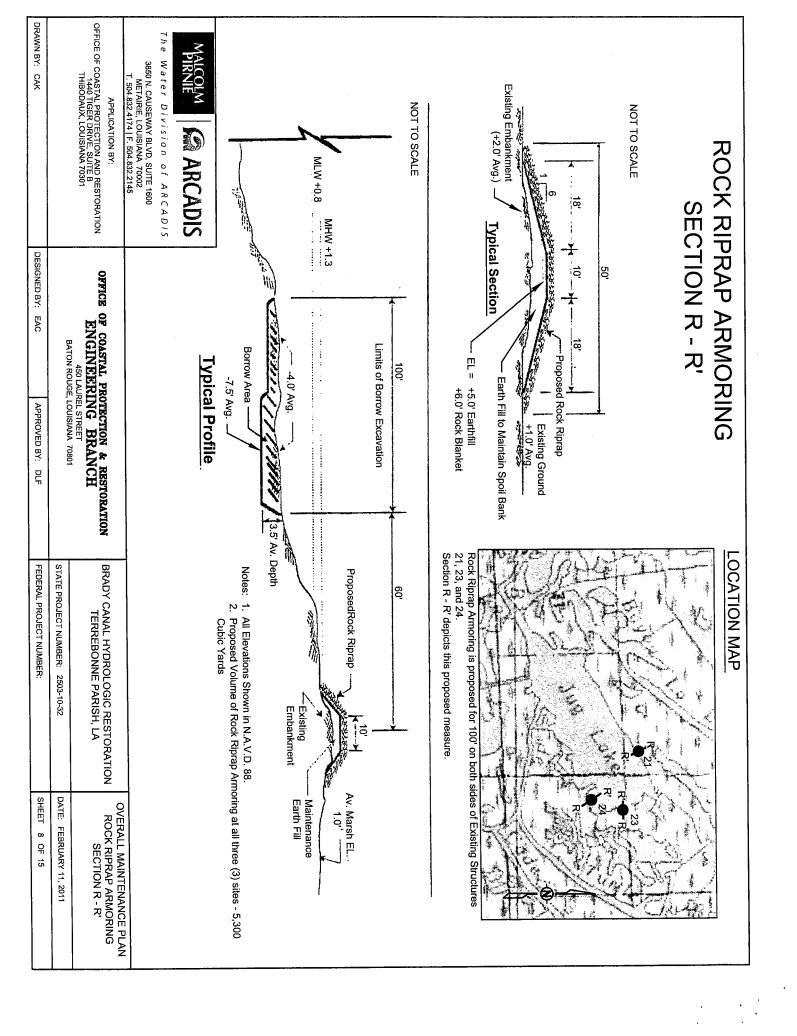
Notes: 1. All Elevations Shown in N.A.V.D. 88.

- Maximum Length of Rock Embankment 8,645 Feet.
- Estimated Volume of Rock Embankment Maintenance for Life of Project - 55,000 cubic yards.

Estimated Volume of Maintenance Flotation Channel Disposal Over Life of Project - 98,100 Cubic Yards.

OVERALL MAINTENANCE PLAN ROCK RIPRAP EMBANKMENT SECTION P - P'

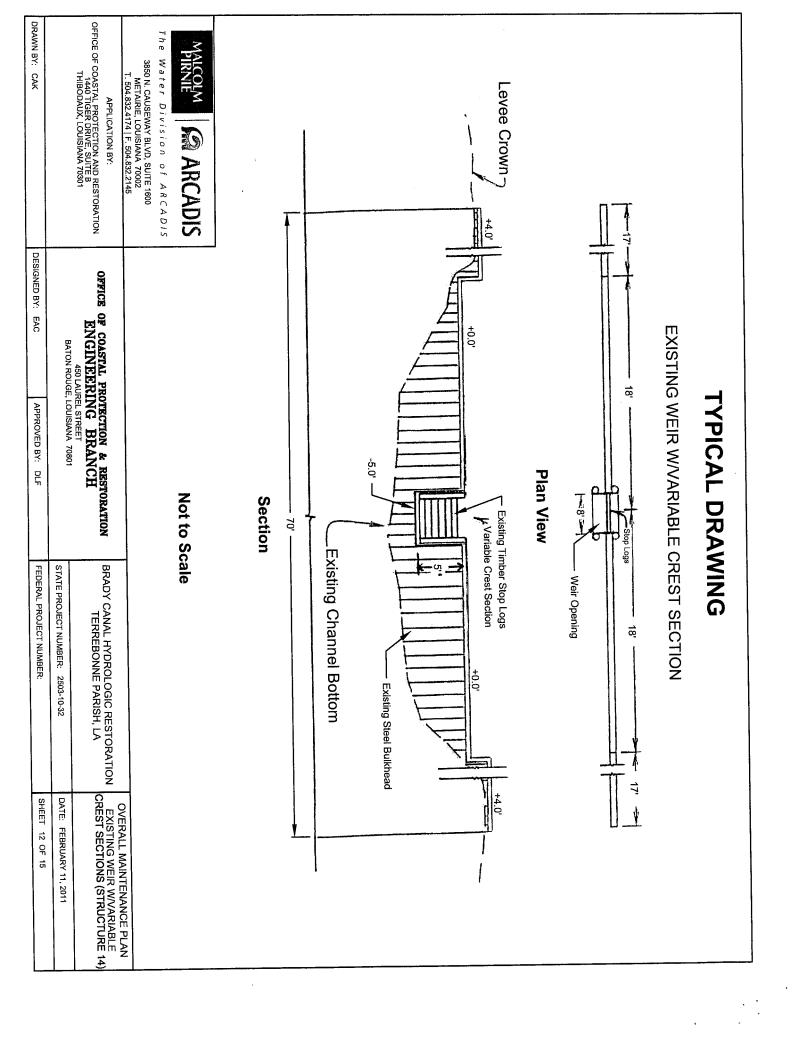
DRAWN BY: OFFICE OF COASTAL PROTECTION AND RESTORATION 1440 TIGER DRIVE, SUITE B THIBODAUX, LOUISIANA 70301 CAK Г. 504.832.4174 | F. 504.832.2145 APPLICATION BY: DESIGNED BY: OFFICE OF COASTAL PROTECTION & RESTORATION ENGINEERING BRANCH EAC 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801 APPROVED BY: 무 BRADY CANAL HYDROLOGIC RESTORATION TERREBONNE PARISH, LA FEDERAL PROJECT NUMBER: STATE PROJECT NUMBER: 2503-10-32 SHEET 7 OF 15 DATE: FEBRUARY 11, 2011



OFFICE OF COASTAL PROTECTION AND RESTORATION 1440 TIGER DRIVE, SUITE B THIBODAUX, LOUISIANA 70301 DRAWN BY: The Water Division of ARCADIS MALCOLM 3850 N. CAUSEWAY BLVD, SUITE 1600 METAIRIE, LOUISIANA 70002 T. 504.832.4174 | F. 504.832.2145 CAK APPLICATION BY: Levee Crown -ARCADIS T 150'v DESIGNED BY: EAC OFFICE OF COASTAL PROTECTION & RESTORATION ENGINEERING BRANCH EXISTING FIXED CREST WEIR WITH BARGE BAY +0.5 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801 72.5 APPROVED BY: DLF TYPICAL DRAWING Not to Scale Plan View Barge Bay 315' 70: Existing Channel Bottom 6.0 BRADY CANAL HYDROLOGIC RESTORATION TERREBONNE PARISH, LA STATE PROJECT NUMBER: 2503-10-32 FEDERAL PROJECT NUMBER: +0.5 72.5 50. Y SHEET 9 OF 15 DATE: FEBRUARY 11, 2011 OVERALL MAINTENANCE PLAN EXISTING FIXED CREST WEIR W/BARGE BAY (STRUCTURE 6) Levee Crown

OFFICE OF COASTAL PROTECTION AND RESTORATION 1440 TIGER DRIVE, SUITE B THIBODAUX, LOUISIANA 70301 DRAWN BY: CAK NATURAL GROUND +1.0' AVG. The Water Division of ARCADIS 3850 N. CAUSEWAY BLVD, SUITE 1600 METAIRIE, LOUISIANA 70002 T. 504.832.4174 | F. 504.832.2145 APPLICATION BY: BOTTOM OF CHANNEL ARCADIS **SECTION A-A** NOT TO SCALE ROCKS OR SHELL 7 DESIGNED BY: EAC OFFICE OF COASTAL PROTECTION & RESTORATION ENGINEERING BRANCH -10' AVG. 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801 FILTER CLOTH / AGGREGATE BEDDING YPICAL DRAWING **EXISTING ROCK PLUG** APPROVED BY: DLF BRADY CANAL HYDROLOGIC RESTORATION TERREBONNE PARISH, LA STATE PROJECT NUMBER: 2503-10-32 FEDERAL PROJECT NUMBER: **PLAN VIEW** NOT TO SCALE CANAL 275' DATE: FEBRUARY 11, 2011 SHEET 10 OF 15 OVERALL MAINTENANCE PLAN EXISTING ROCK RIPRAP PLUG (STRUCTURE 7)

NATURAL GROUND +1.0' AVG. OFFICE OF COASTAL PROTECTION AND RESTORATION 1440 TIGER DRIVE, SUITE B THIBODAUX, LOUISIANA 70301 DRAWN BY: CAK The Water Division of ARCADIS 3850 N. CAUSEWAY BLVD, SUITE 1600 METAIRIE, LOUISIANA 70002 T. 504.832.4174 | F. 504.832.2145 BOTTOM OF CHANNEL APPLICATION BY: 5.0' AVG. SECTION A-A DESIGNED BY: EAC -7.0' AVG. OFFICE OF COASTAL PROTECTION & RESTORATION ENGINEERING BRANCH ROCKS FILTER CLOTH / AGGREGATE BEDDING 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801 EXISTING ROCK CHANNEL LINER TYPICAL DRAWING APPROVED BY: DLF BRADY CANAL HYDROLOGIC RESTORATION TERREBONNE PARISH, LA STATE PROJECT NUMBER: 2503-10-32 FEDERAL PROJECT NUMBER: **PLAN VIEW** NOT TO SCALE 300' CANAL OVERALL MAINTENANCE PLAN EXISTING ROCK CHANNEL LINER (STRUCTURES 10 & 20) DATE: FEBRUARY 11, 2011 SHEET 11 OF 15



OFFICE OF COASTAL PROTECTION AND RESTORATION 1440 TIGER DRIVE, SUITE B THIBODAUX, LOUISIANA 70301 DRAWN BY: The Water Division of ARCADIS 3850 N. CAUSEWAY BLVD, SUITE 1600 METAIRIE, LOUISIANA 70002 T. 504.832.4174 | F. 504.832.2145 CAK APPLICATION BY: ARCADIS (+3.0' Avg.) 15 DESIGNED BY: EAC OFFICE OF COASTAL PROTECTION & RESTORATION ENGINEERING BRANCH 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801 현 +4.0 EXISTING WEIR WITH VARIABLE CREST SECTIONS တွဲ +0.0 5.0 TYPICAL DRAWING APPROVED BY: 1 0 1 十67 먇 5.0 Plan View すら.1 **Not to Scale**) - - LE - --78' -48 6 Existing Timber Stop Logs BRADY CANAL HYDROLOGIC RESTORATION TERREBONNE PARISH, LA STATE PROJECT NUMBER: 2503-10-32 Existing Channel Bottom FEDERAL PROJECT NUMBER: -5.0' -0 ڣ Existing Steel Bulkhead 15' ₩ OVERALL MAINTENANCE PLAN EXISTING WEIR W/VARIABLE CREST SECTIONS (STRUCTURE 21) DATE: FEBRUARY 11, 2011 SHEET 13 OF 15 -- +3.0' Avg.

OFFICE OF COASTAL PROTECTION AND RESTORATION 1440 TIGER DRIVE, SUITE B THIBODAUX, LOUISIANA 70301 DRAWN BY: The Water Division of ARCADIS MALCOLM 3850 N. CAUSEWAY BLVD, SUITE 1600 METAIRIE, LOUISIANA 70002 T. 504.832.4174 | F. 504.832.2145 CAK APPLICATION BY: ARCADIS DESIGNED BY: EAC OFFICE OF COASTAL PROTECTION & RESTORATION ENGINEERING BRANCH દું ÷0.0 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801 EXISTING WEIR W/VARIABLE CREST SECTIONS 5.0 STOP LOGS === APPROVED BY: DLF TYPICAL DRAWING STOP LOGS -61 Variable Crest Sections NOT TO SCALE - 88' -SECTION 6 PLAN BRADY CANAL HYDROLOGIC RESTORATION TERREBONNE PARISH, LA STATE PROJECT NUMBER: 2503-10-32 FEDERAL PROJECT NUMBER: ე. ე STOP LOGS STOP LOGS ģ بن OVERALL MAINTENANCE PLAN EXISTING WEIR W/VARIABLE CREST SECTIONS (STRUCTURE 23) DATE: FEBRUARY 11, 2011 SHEET 14 OF 15

OFFICE OF COASTAL PROTECTION AND RESTORATION 1440 TIGER DRIVE, SUITE B THIBODAUX, LOUISIANA 78301 DRAWN BY: The Water Division of ARCADIS MALCOLM 3850 N. CAUSEWAY BLVD, SUITE 1600 METAIRIE, LOUISIANA 70002 T. 504.832.4174 J F. 504.832.2145 CAK APPLICATION BY: ARCADIS DESIGNED BY: OFFICE OF COASTAL PROTECTION & RESTORATION ENGINEERING BRANCH 450 LAUREL STREET BATON ROUGE, LOUISIANA 70801 8 EAC +4.0 15'-+1.6<u>.</u> APPROVED BY: DLF **EXISTING FIXED CREST WEIR** TYPICAL DRAWING Nat to Scale Plan View Section 140 50 BRADY CANAL HYDROLOGIC RESTORATION TERREBONNE PARISH, LA FEDERAL PROJECT NUMBER: STATE PROJECT NUMBER: 2503-10-32 Existing Channel Bottom 15'-+1.6 O.F. SHEET 15 OF 15 DATE: FEBRUARY 11, 2011 OVERALL MAINTENANCE PLAN EXISITING FIXED CREST WEIR (STRUCTURE 24) Avg. Levee Crown +4.0'