

Legend

 Riprap Location

Reference

Base map comprised of U.S.G.S. 7.5 minute topographic map, "Black Lake, LA" dated 1955, photorevised 1975.

Site Location Map

Horseshoe Lake Marsh Restoration
Louisiana Coastal Impact Assistance Program
Calcasieu Parish, Louisiana

Calcasieu Parish Police Jury

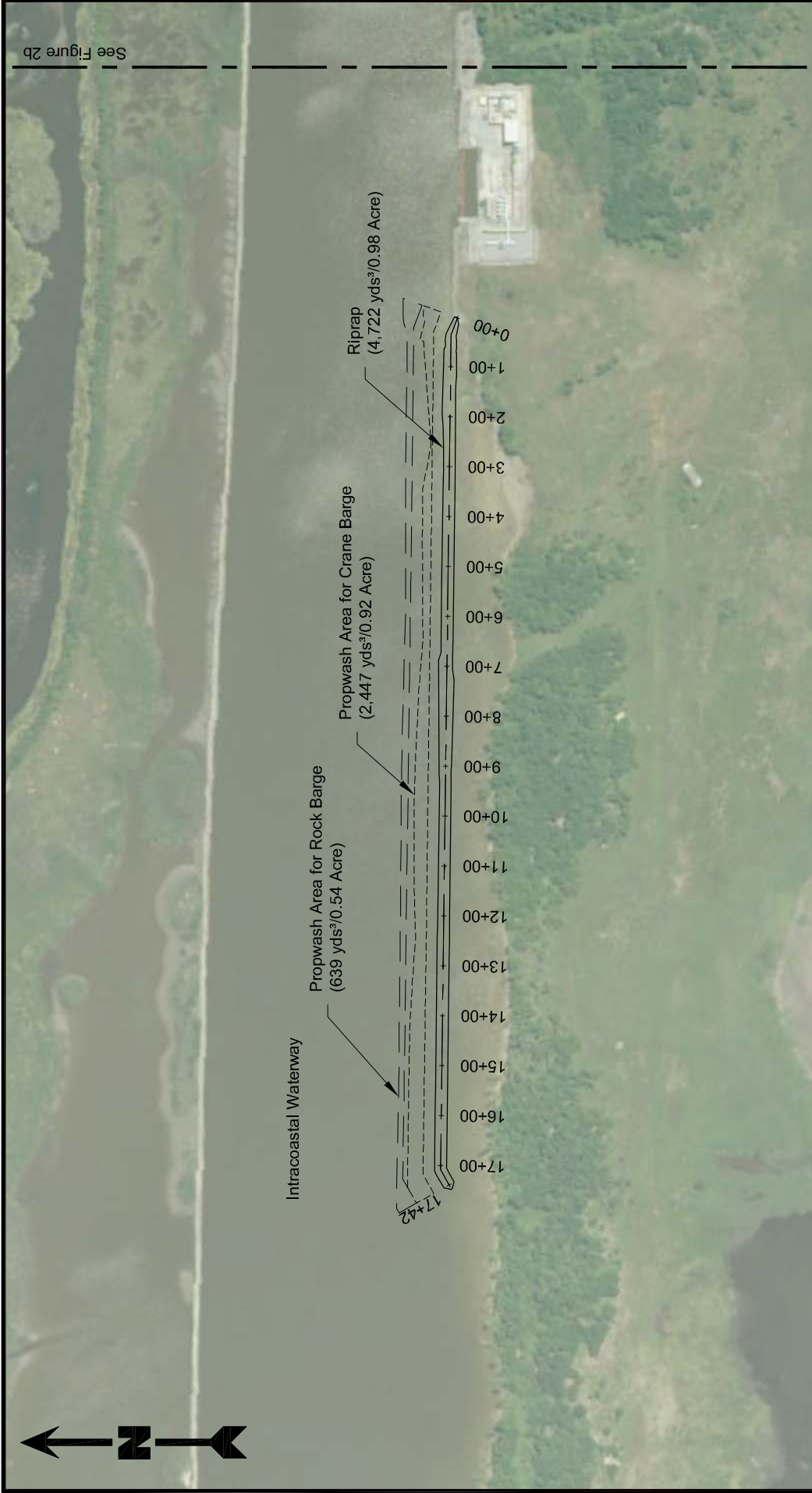


PROVIDENCE

Drawn By	LMM	10/24/11
Checked By	LMH	10/24/11
Approved By	GJL	10/24/11

Project Number
242-003
Drawing Number
242-003-A045

1
Figure



Legend

- ▬ Riprap (Total - 11,782 yds³)
- ▬ Riprap - West Side (4,722 yds³)
- ▬ Riprap - East Side (7,060 yds³)
- ▬ Propwash Areas (West and East Total - 5,345 yds³/2.66 Acres)
- ▬ Propwash Area for Crane Barge (Total - 3,947 yds³/1.59 Acres)
- ▬ Propwash Area for Rock Barge (Total - 1,398 yds³/1.07 Acres)

Note

See figure 3 for typical detail.


Reference

Base map comprised of 2010 aerial photograph.

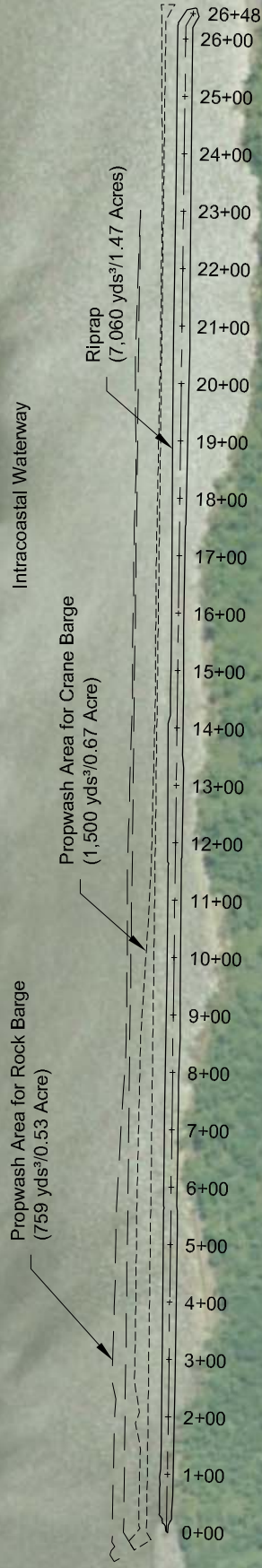
Plan View - West Side

Horseshoe Lake Marsh Restoration
Louisiana Coastal Impact Assistance Program
Calcasieu Parish, Louisiana

Calcasieu Parish Police Jury

		Drawn By	LMM	09/30/11
		Checked By	LMH	09/30/11
		Approved By	GJL	09/30/11
		Project Number	242-003	
		Drawing Number	242-003-A038	
		2a		Figure

See Figure 2a



Legend

- Riprap (Total - 11,782 yds³)
 - Riprap - West Side (4,722 yds³)
 - Riprap - East Side (7,060 yds³)

- Propwash Areas (West and East Total - 5,345 yds³/2.66 Acres)
 - Propwash Area for Crane Barge (Total - 3,947 yds³/1.59 Acres)
 - Propwash Area for Rock Barge (Total - 1,398 yds³/1.07 Acres)

Note

See figure 3 for typical detail.


Reference

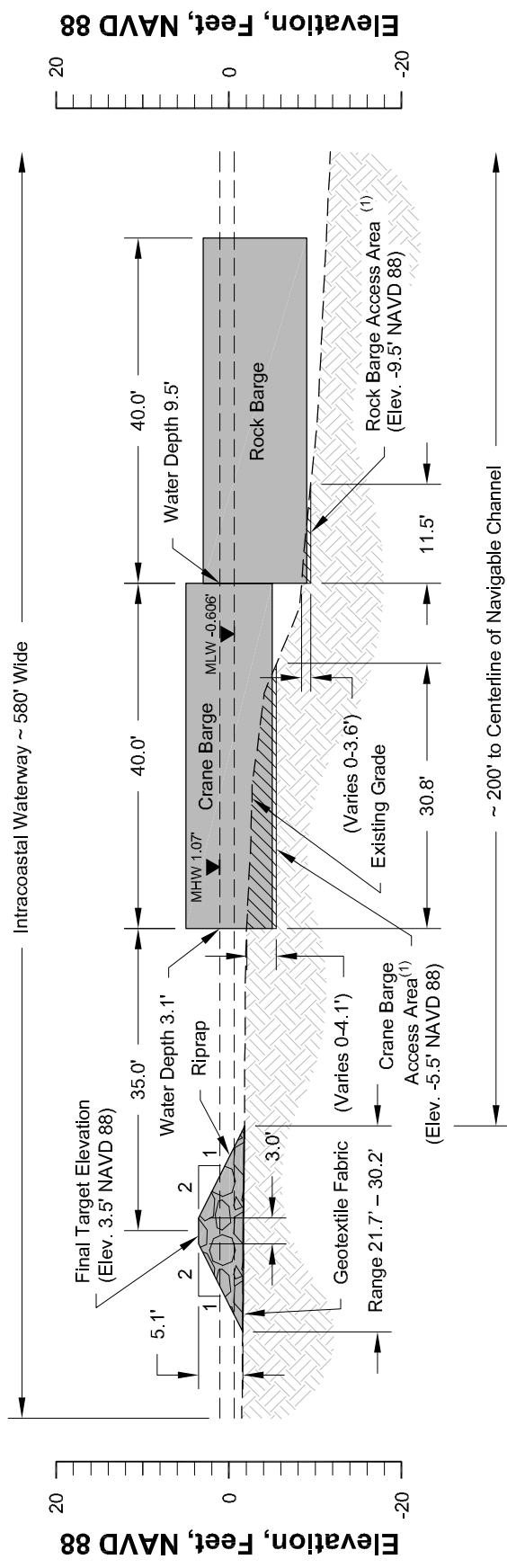
Base map comprised of 2010 aerial photograph.

Plan View - East Side

Horseshoe Lake Marsh Restoration
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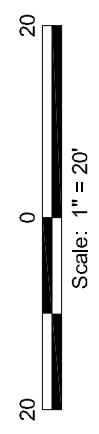
 PROVIDENCE	Drawn By	LMM	09/30/11
	Checked By	LMH	09/30/11
	Approved By	GJL	09/30/11
Project Number			242-003
Drawing Number			242-003-A041
			2b Figure



Typical Riprap and Temporary Access Channel Section

Note


1. Barge access area will be propwashed where needed to allow access for the crane and rock barges (5,345 yds³).



Typical Section

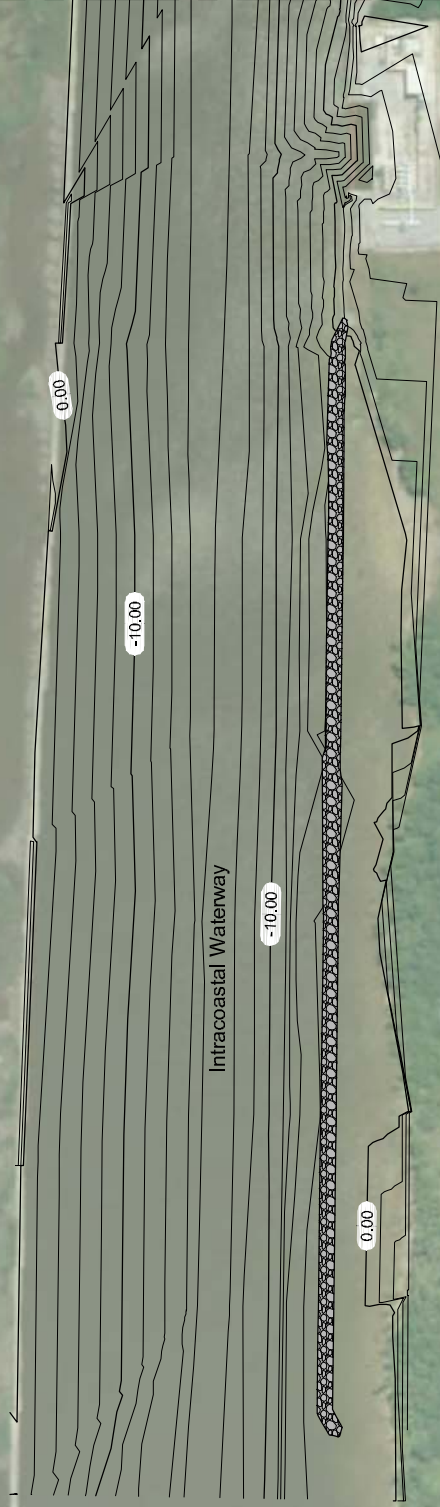
Horseshoe Lake Marsh Restoration
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	Drawn By	LMM	10/24/11
	Checked By	LMH	10/24/11
	Approved By	GJL	10/24/11
Project Number			242-003
Drawing Number			242-003-A044
			3 Figure



See Figure 4b



Legend

-  Riprap (Total - 11,782 yds³)
- Riprap - West Side (4,722 yds³)
- Riprap - East Side (7,060 yds³)

— Survey Data Contours (2 Foot Intervals)


Reference

Base map comprised of 2010 aerial photograph. Existing contours based on 07/11/11 survey.

Survey Data - West Side

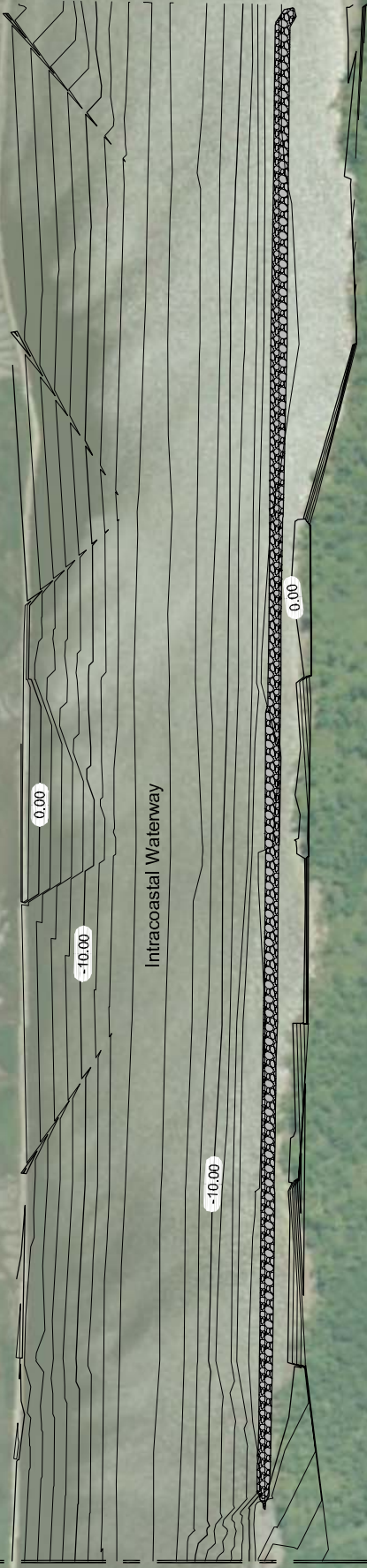
Horseshoe Lake Marsh Restoration
Louisiana Coastal Impact Assistance Program
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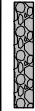


	Drawn By	LMM	09/30/11
	Checked By	LMH	09/30/11
	Approved By	GJL	09/30/11
Project Number			242-003
Drawing Number			242-003-A040
			4a
			Figure



See Figure 4a



Legend

-  Riprap (Total - 11,782 yds³)
-  Riprap - West Side (4,722 yds³)
-  Riprap - East Side (7,060 yds³)

— Survey Data Contours (2 Foot Intervals)


Reference

Base map comprised of 2010 aerial photograph. Existing contours based on 07/11/11 survey.

Survey Data - East Side

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	Approved By	GJL	09/30/11
Project Number			242-003
Drawing Number			242-003-A042
			4b
			Figure