

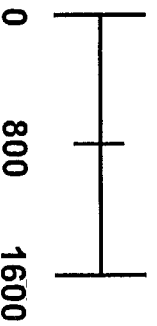


**Project Title:** Schaffer North Spoil Bank Re-establishment

**Purpose:** Re-Establishment of spoil bank for erosion protection & turbidity reduction in open water for the purpose of enhancing waterfowl habitat & productivity.

**Location:** 2.25 miles south of Morgan City, St. Mary Parish, Louisiana

**Date:** 3/1/12



Vicinity Map

**Source:** LDNR 2008 Aerial Imagery

**Location:** T16S-R12E, Sec. 23 & 24

**Application by:** Avoca Duck Club

**Randy Moertle and Associates, Inc.**  
**Environmental and Landowner Services**  
1008 Mar Drive Lockport, La 70374





Bayou Schaffer

Project Area  
Lat. 29° 39' 29.74" N  
Long. 91° 11' 50.53" W  
State Plan Coordinate  
(NAD 83)  
91.1973478086  
29.6582494256



Sheet 2 of 7

Plan View Project  
Site Map

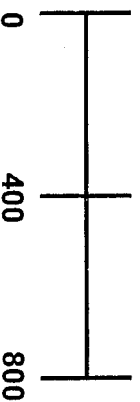
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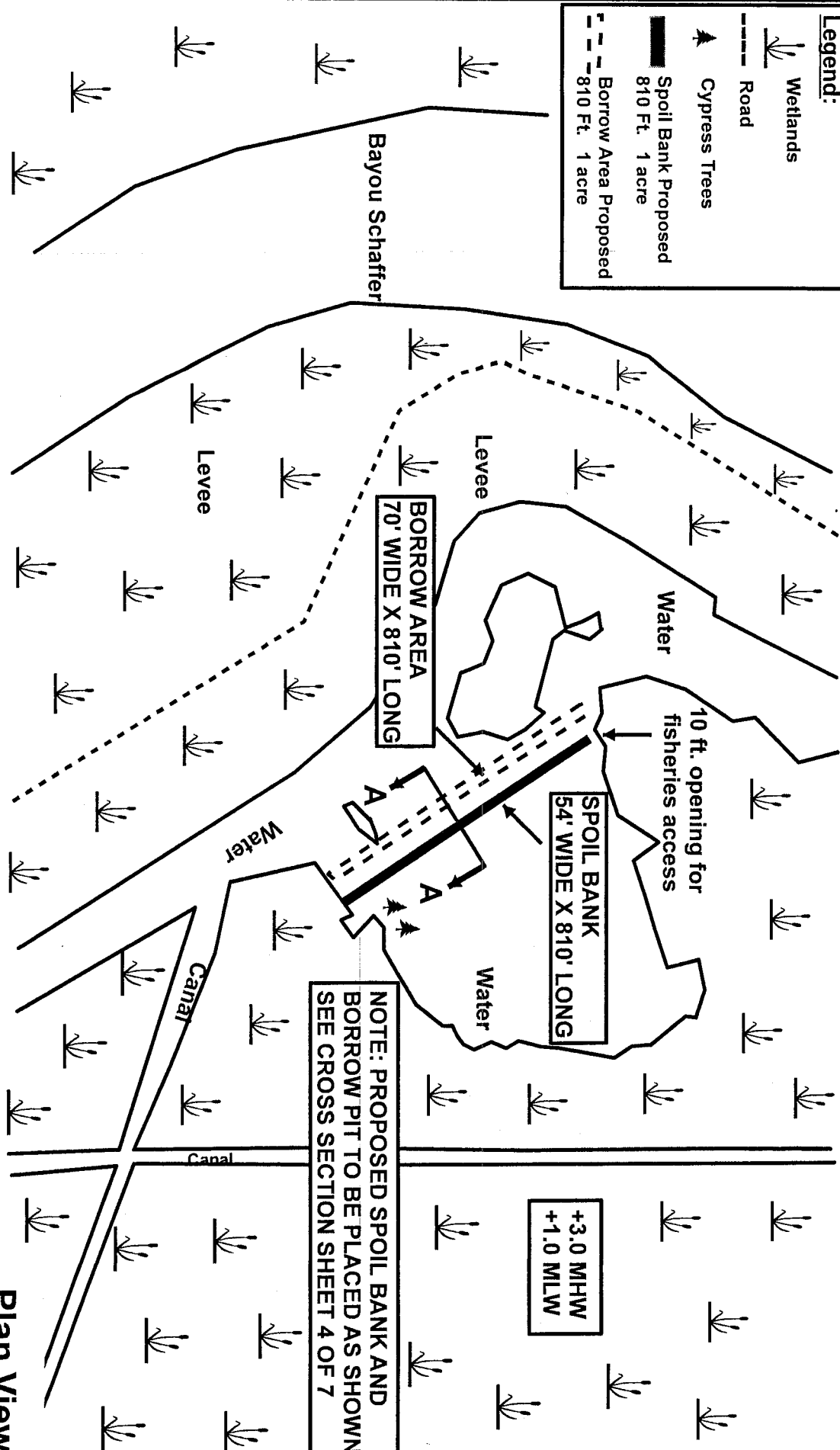
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**Legend:**

- Wetlands
- Road
- Cypress Trees
- Spoil Bank Proposed  
810 Ft. 1 acre
- Borrow Area Proposed  
810 Ft. 1 acre



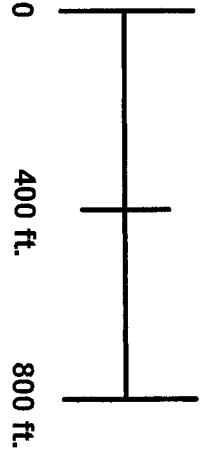
**Plan View**

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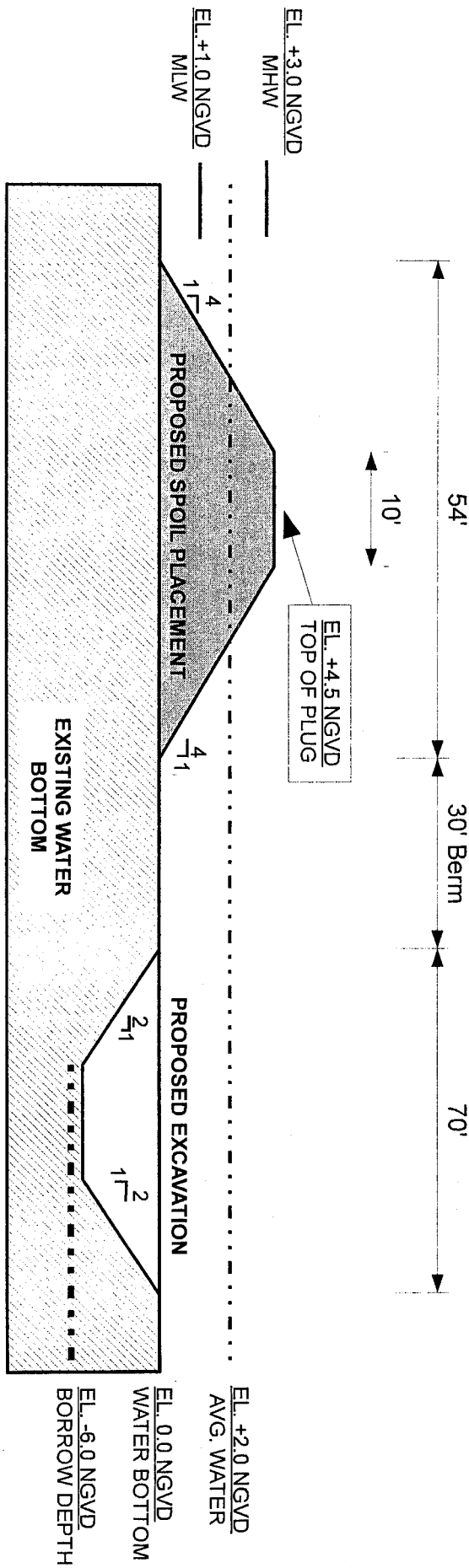
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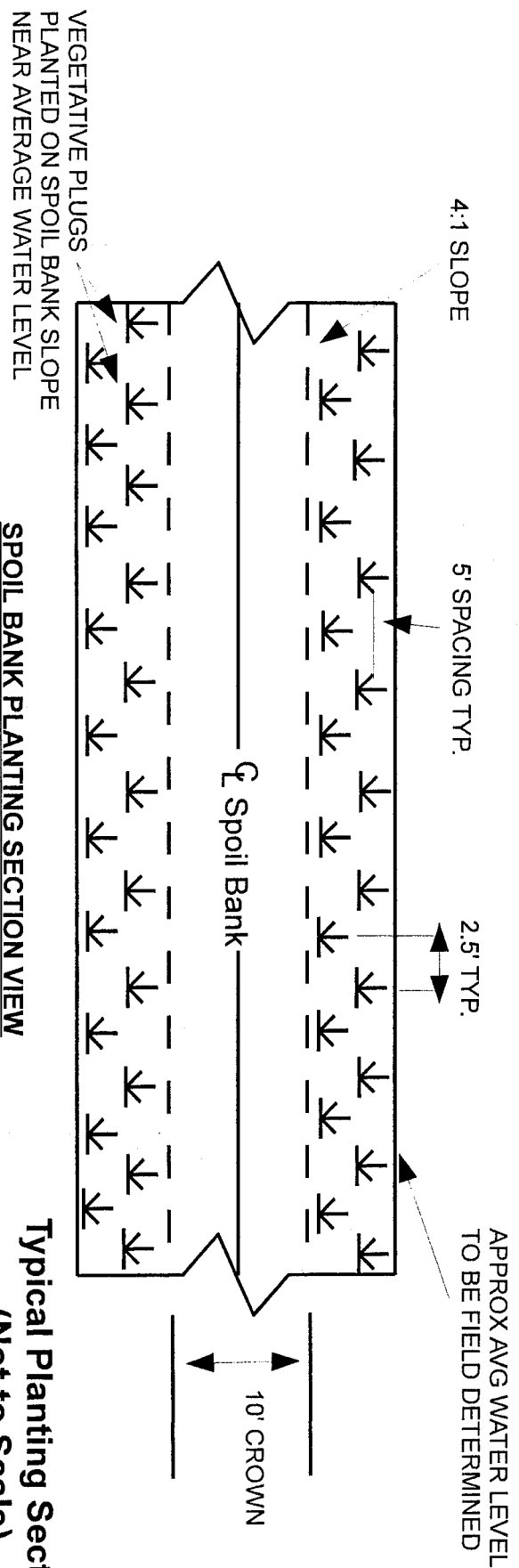
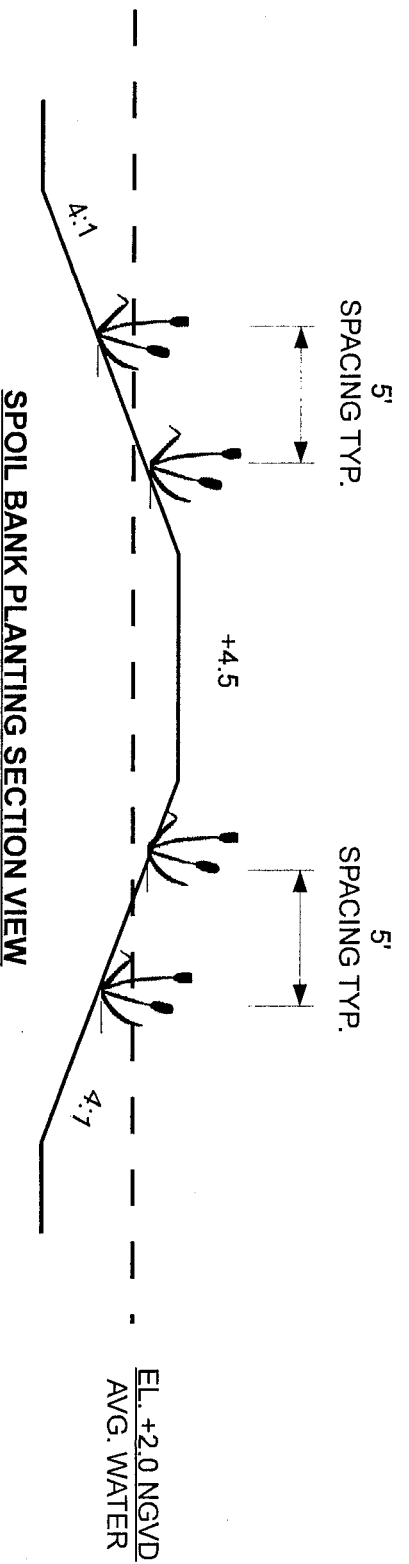


NOTE: Spoil Bank volume = 5,280 cubic yards  
net section cut to fill 2 to 1  
excavation = 10,558 cubic yards.

**CROSS SECTION A-A**  
(Not to Scale)

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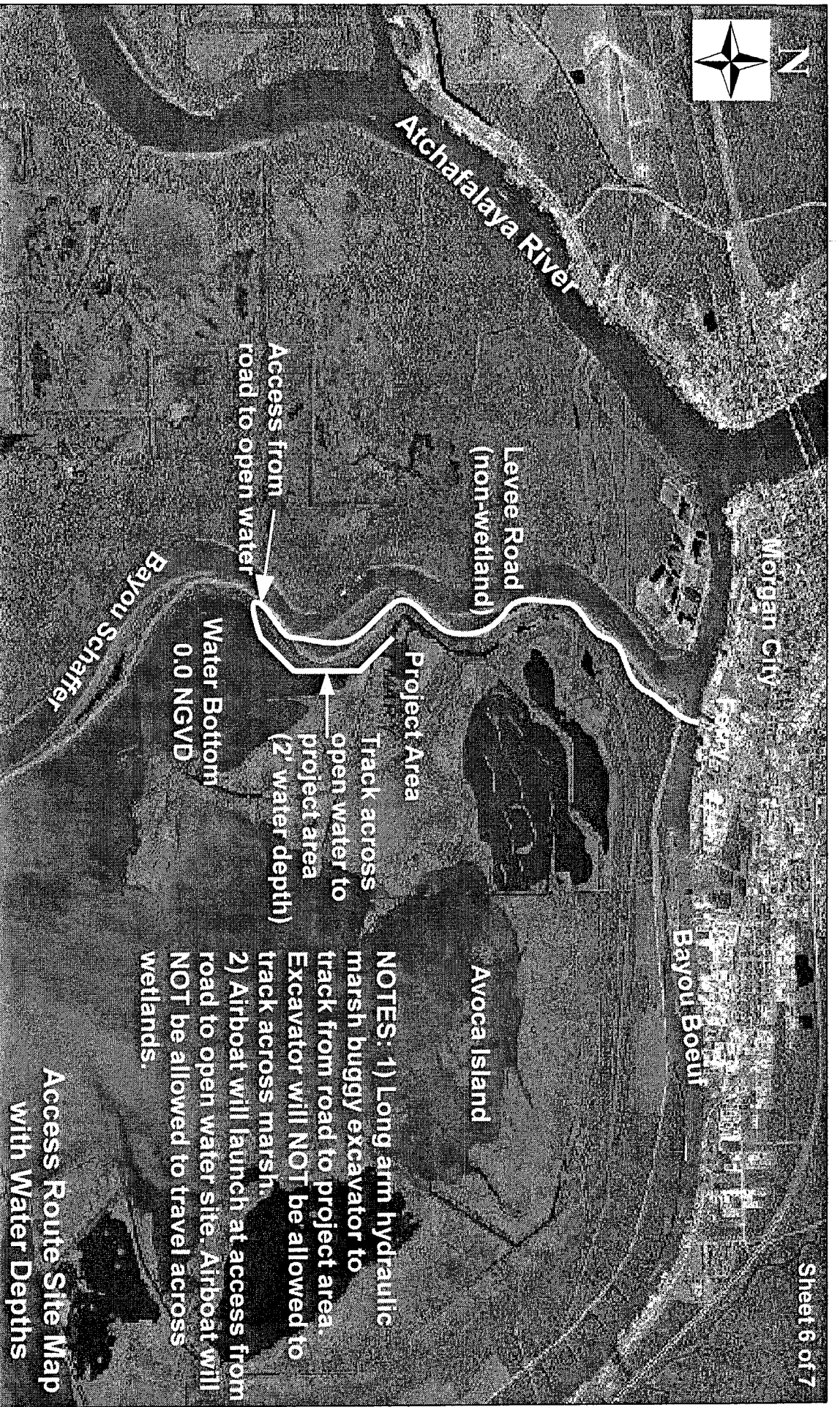
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**NOTES:** 1) Long arm hydraulic marsh buggy excavator to track from road to project area. Excavator will NOT be allowed to track across marsh.  
2) Airboat will launch at access from road to open water site. Airboat will NOT be allowed to travel across wetlands.

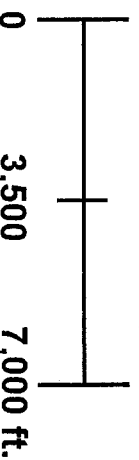
### Access Route Site Map with Water Depths

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**GENERAL NOTES**

1. WATER BOTTOM 0.0 NGVD; TOP OF SPOIL BANK +4.5'. SEE TYPICAL SECTION A-A (SHEET 4 OF 7).
  2. EXCAVATION WILL BE MADE WITH LONG ARM HYDRAULIC MARSH BUGGY EXCAVATORS. AFTER PLACEMENT OF FILL MATERIAL, SPOIL BANKS WILL BE SHAPED AS PER TYPICAL SPOIL BANK SECTIONS.
  3. EXCAVATORS WILL NOT BE ALLOWED TO TRACK ACROSS MARSH (SHEET 7 OF 7).
  4. EXCAVATION IS LIMITED TO OPEN WATER AREA. THERE WILL BE NO EXCAVATION OF MARSH.
  5. THERE WILL BE 810 LF OF SPOIL BANKS CONSTRUCTED (SHEET 3 OF 7). LEVEE VOLUME = 5,280 CY. NET CUT TO FULL 2 TO 1. EXCAVATION = 10,558 CY. (SHEET 4 OF 7).
  6. TOTAL EXCAVATED WATER BOTTOM IS 1.0 ACRE. TOTAL WATER BOTTOM FILLED IS 1.0 ACRE (SHEET 3 OF 7).
  7. THERE WILL BE AN UNPLUGGED 10 FT OPENING INTO PROJECT AREA FOR WATER EXCHANGE AND FISHERIES ACCESS (SHEET 3 OF 7).
  8. AIRBOAT WILL BE LAUNCHED OFF LEVEE ROAD INTO OPEN WATER. THE AIRBOAT WILL BE USED FOR TRANSFER OF PERSONNEL TO EXCAVATOR. AIRBOAT WILL NOT TRAVEL ACROSS ANY WETLANDS (SHEET 6 OF 7).
- PLANTING**
1. PLANTING WILL BE MADE AFTER STABILIZATION OF EARTH EMBANKMENT MATERIAL AT THE BEGINNING OF THE FIRST COMPLETE GROWING SEASON.
  2. PLANTS WILL BE IN A DOUBLE ROW OF NATIVE SPECIES PLACED ALONG THE WATERS EDGE AT 5' CENTERS. SEE TYPICAL PLANTING SECTION (SHEET 5 OF 7).
  3. APPROX 0.56 ACRES OF EMERGENT MARSH TO BE CREATED.

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