

Google earth

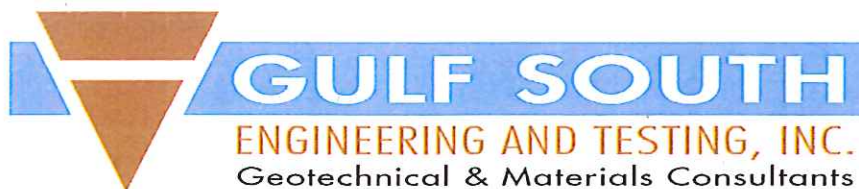
miles 1
km 1



* All barges are 35 ft wide by 200 ft. long

Date: 3/26/2013

Gulf South File
13-501

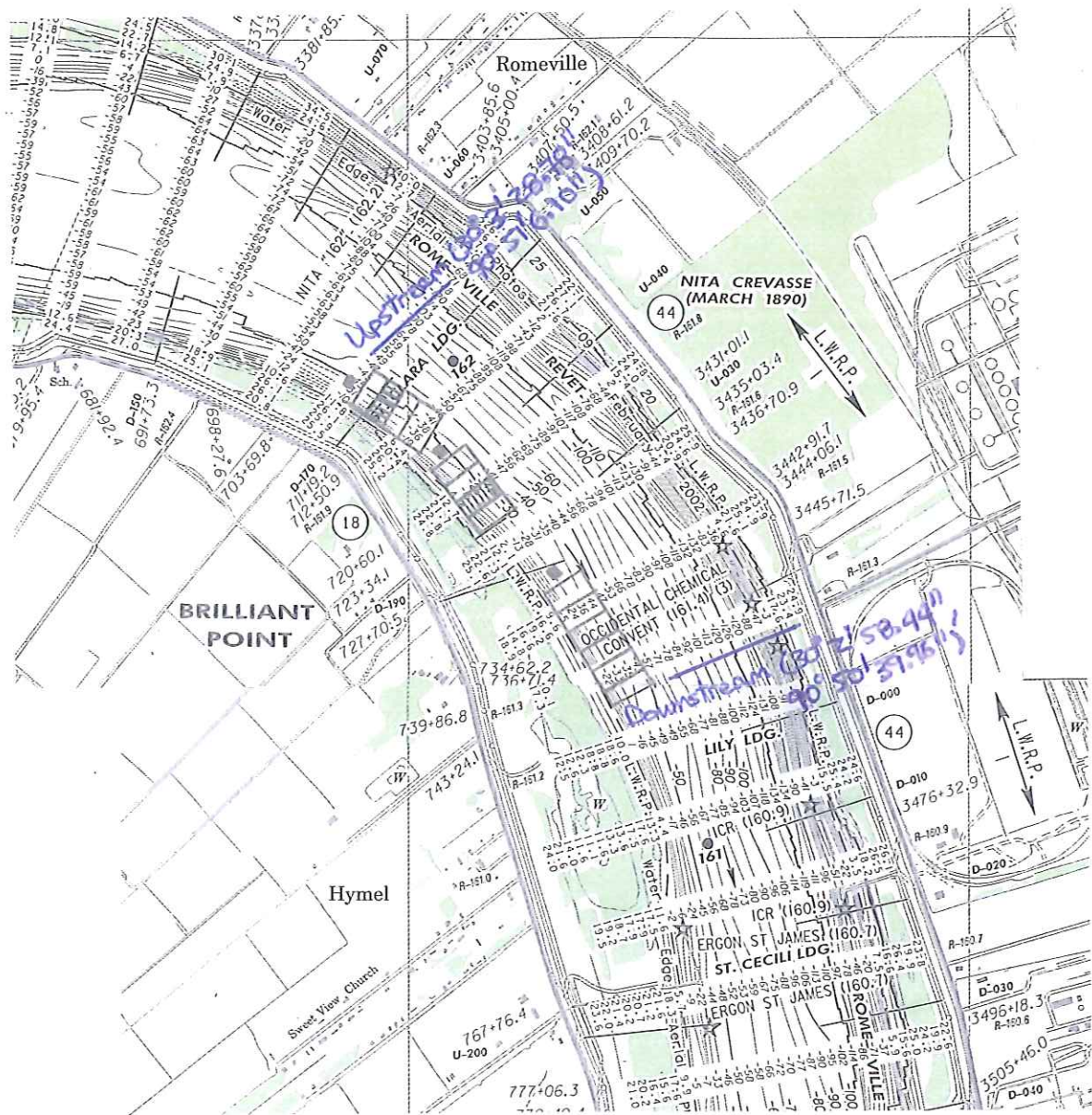


**CGB Marine Services
Barge Fleet Expansion
Miss. River, RDB,
Approx. M.P. 162
Welcome, LA**

**For
CGB Marine Services
at Mile 164
Convent, LA**

Vicinity Map

Figure 1



Date: 3/26/2013

Gulf South File
13-501

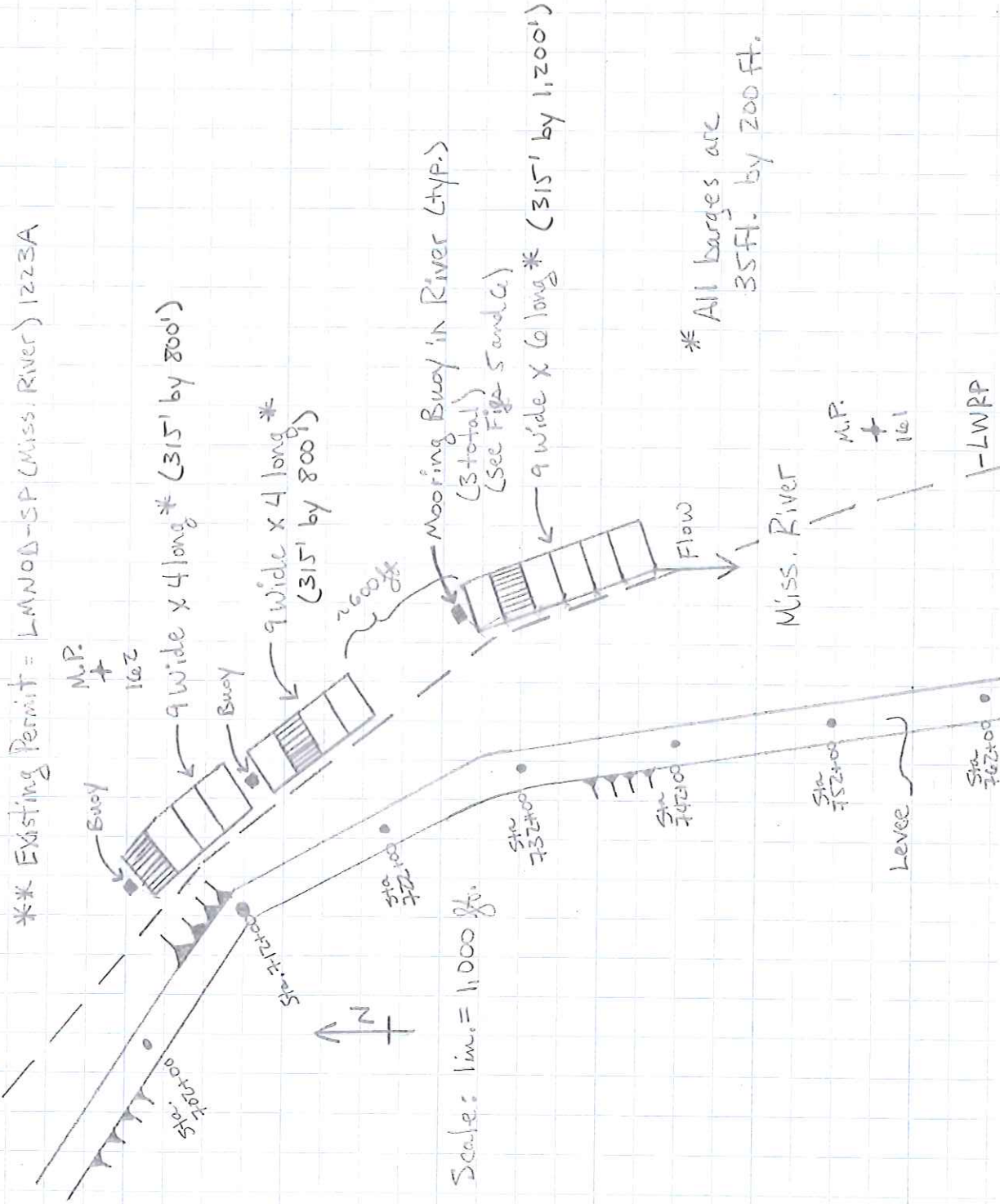


CGB Marine Services
Barge Fleet Expansion
Miss. River, RDB,
Approx. M.P. 162
Welcome, LA

For
CGB Marine Services
at Mile 164
Convent, LA

Hydrograph Map

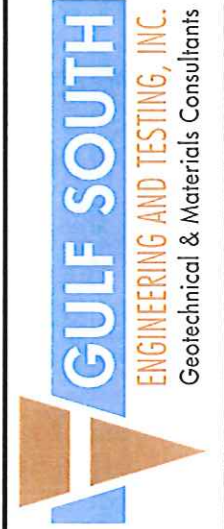
Figure 2



Gulf South File 13-501

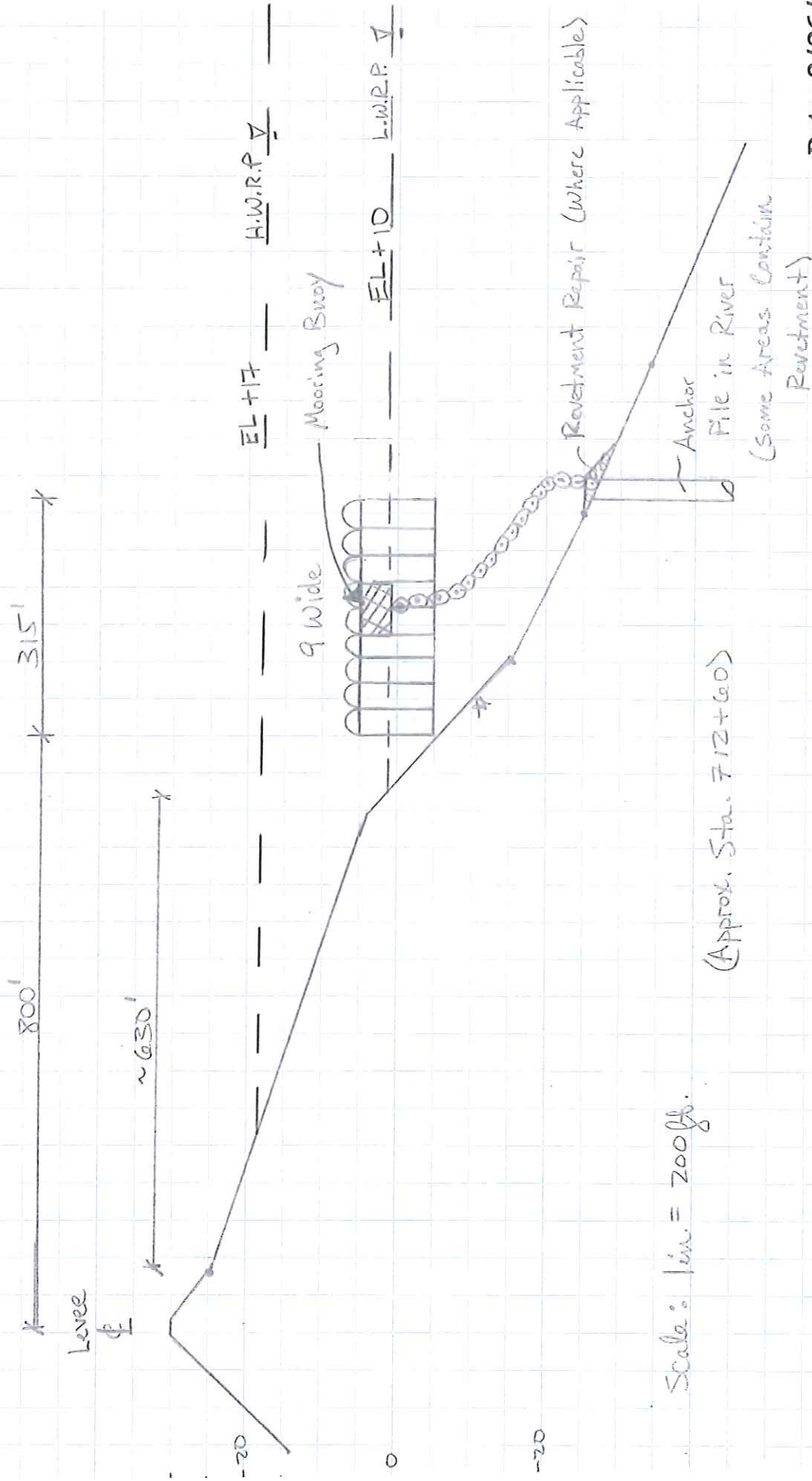
Date: 3/26/2013

CGB Marine Services
Barge Fleet Expansion
Miss. River, RDB, Approx. M.P. 162
Welcome, LA




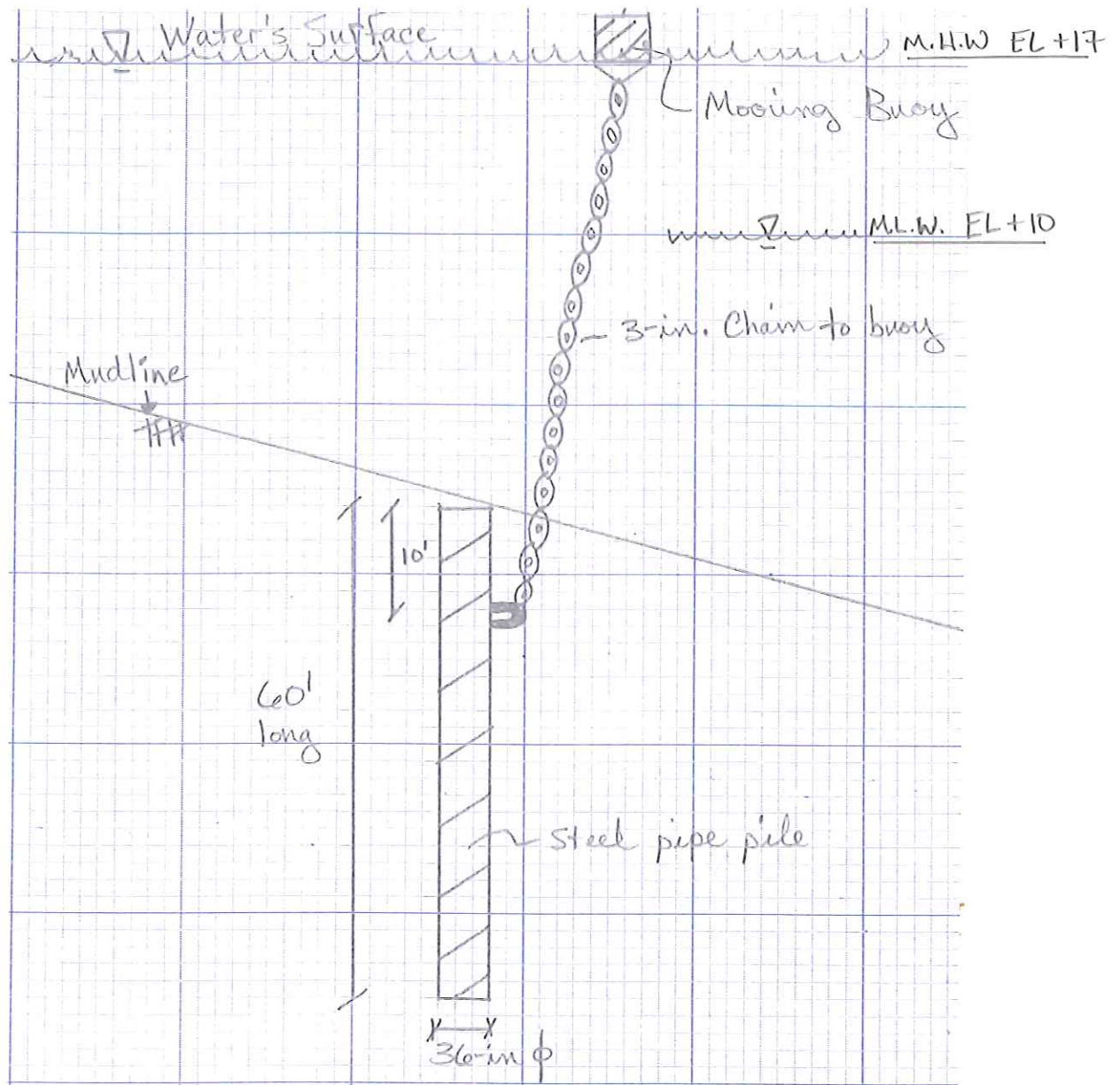
Site Detail

Figure 3



Date: 3/26/2013

<p>Gulf South File 13-501</p>	 <p>GULF SOUTH ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p>	<p>For CGB Marine Services at Mile 164 Convent, LA</p>	<p>Typical Section</p>
<p>CGB Marine Services Barge Fleet Expansion Miss. River, RDB, Approx. M.P. 162 Welcome, LA</p>	<p>Figure 4</p>		

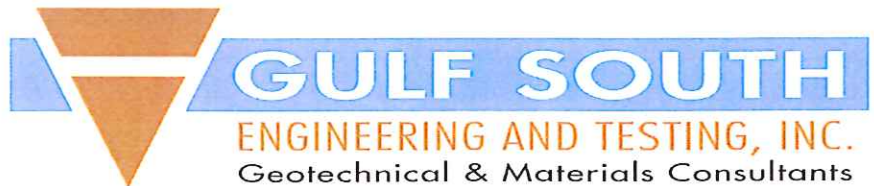


(Non Revetment Areas)

Not to Scale

Date: 3/26/2013

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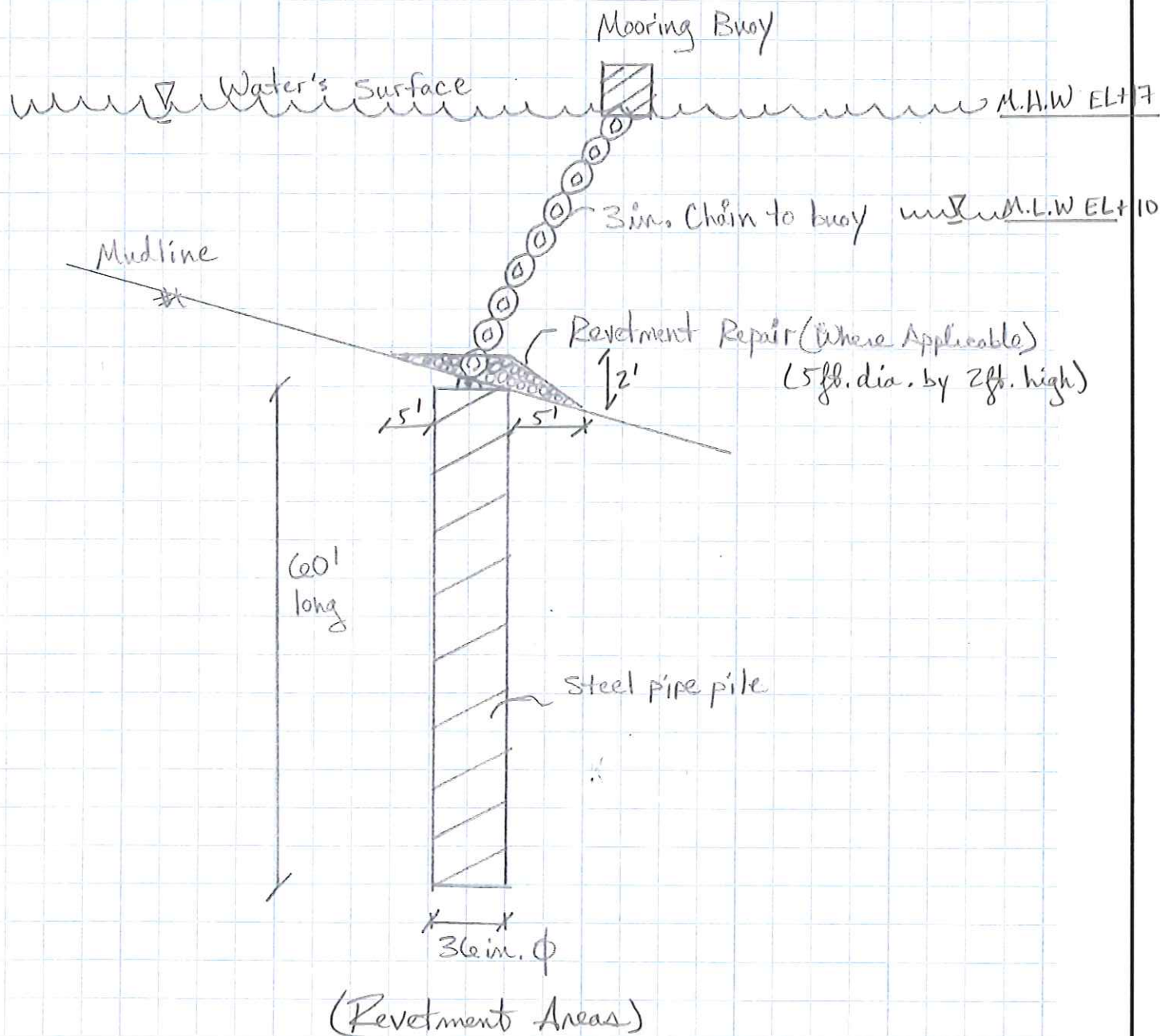


CGB Marine Services
Barge Fleet Expansion
Miss. River, RDB,
Approx. M.P. 162
Welcome, LA

For
CGB Marine Services
at Mile 164
Convent, LA

Miss. River
Anchor Detail

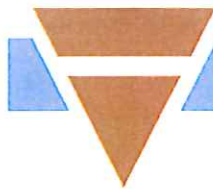
Figure 5



Not to Scale

Date: 3/26/2013

**Gulf South File
13-501**



GULF SOUTH
ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

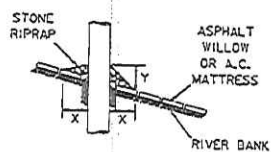
**CGB Marine Services
Barge Fleet Expansion
Miss. River, RDB,
Approx. M.P. 162
Welcome, LA**

**For
CGB Marine Services
at Mile 164
Convent, LA**

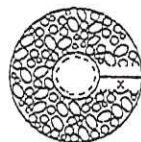
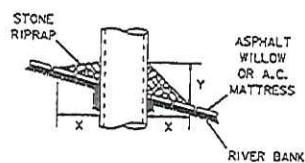
**Miss. River
Anchor Detail**

Figure 6

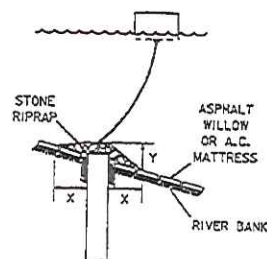
PILE



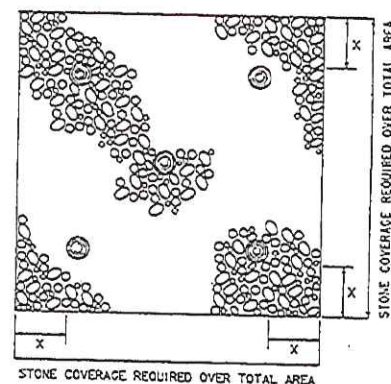
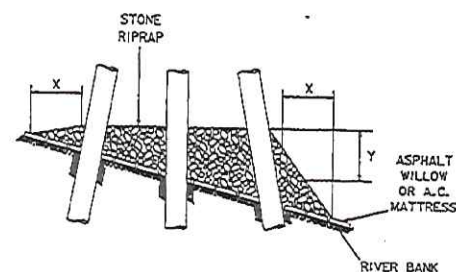
CAISSON



SPUD PILE (BUOY AND ANCHOR CHAIN)



PILE CLUSTER



DEPTH OF WATER IN FEET AT POINT OF PENETRATION AT TIME OF STONE PLACEMENT	DIMENSIONS IN FEET FOR PROTECTION AREA REQUIRED							
	PILE		CAISSON		SPUD PILE (BUOY AND ANCHOR CHAIN)		PILE CLUSTER	
	X	Y	X	Y	X	Y	X	Y
1' - 10'	3	1.5	5	2			3	1
11' - 40'	5	2	8	3	7	3	6	2
41' - 60'	8	3	12	4	12	4	10	3

NOTES:

1. SIZE OF RIPRAP TO VARY BETWEEN 6 POUNDS AND 125 POUNDS WITH 40 PERCENT TO 60 PERCENT OF THE STONE WITHIN THE RANGE OF 25 POUNDS TO 75 POUNDS.
2. WHEN PENETRATING THE UPPER BANK PAVING IN A REVETMENT AREA WITH PILES, CAISSONS AND/OR PILE CLUSTERS, A 10 INCH THICK RIPRAP STONE LAYER SHALL BE PLACED OVER ALL AREAS WHERE THE BANK PAVING IS DISTURBED BY DRIVING OPERATIONS.
3. WHEN USING AN ANCHOR CHAIN AND BUOY SYSTEM, THE ANCHOR CHAIN MUST BE ATTACHED AT THE TOP OF THE PILE TO MINIMIZE REVETMENT DAMAGE.

U. S. ARMY ENGINEER DISTRICT, NEW ORLEANS
 COUS OF ENGINEERS
 NEW ORLEANS, LOUISIANA
 DATE: 10-1-54
 DRAWN BY: [blank]
 CHECKED BY: [blank]
 APPROVED BY: [blank]
 REVISIONS: [blank]
 FILE NUMBER: [blank]
 SHEET: 1 OF 1

April 26, 2013

Reference:

P20130594

CGB Marine Services at Mile 164

Barge Fleet Expansion Permit Application

Welcome, LA

St. James Parish

Additional Notes for Permit Application:

1. The area where the project is located is all part of the aboriginal homelands of the Chitimacha Tribe of Louisiana. As such, large villages, burial sites, and sacred sites were in place in that entire area. If at any time during the course of the work, any traditional cultural properties are discovered, Permittee shall immediately contact Kimberly S. Walden (Cultural Director) or Melanie Aymond (Research Coordinator) at (337) 923-9923 or (337) 923-4395. Office hours are Monday through Thursday from 7:30 A.M. - 5:00 P.M. and on Friday between 7:30 A.M. - 11:30 A.M. If traditional cultural properties are discovered on the weekend or after business hours, the notification shall be made the next business morning.
2. As-built drawings will be submitted within 30 days of completion of this project to the Louisiana Department of Natural Resources, Office of Coastal Management, P. O. Box 44487, Baton Rouge, LA 70804-4487.
3. All structures, facilities, well and pipelines/flowlines occurring in open water areas or in oilfield canals or slips shall be removed within 120 days of abandonment or the facilities for the herein permitted use unless prior written approval to leave such structures in place is received from the Coastal Management Division. This condition does not preclude the necessity for revising the current permit or obtaining a separate Coastal Use Permit, should one be required.
4. Structures must also be marked/lighted in accordance with U. S. Coast Guard regulations.
5. In order to ensure the safety of all parties, the permittee shall contact the Louisiana One Call System (1-800-272-3020) a minimum of 48 hours prior to the commencement of any excavation (digging, dredging, jetting, etc.) or demolition activity.

Submitted by Gulf South Engineering and Testing, Inc. on behalf of CGB Marine Services at Mile 164.

Chad M. Poche, P.E.