

Miller Engineers & Associates, Inc.  
 Consulting Engineers & Land Surveyors  
 601 Main Street P.O. Box 223  
 Franklin, La. 70538

TEXAS BRINE  
 BAYOU CORNE/GRAND BAYOU SINKHOLE  
 PLAN AND PROFILE

MARCH 2014  
 PLAN & PROFILE

AERIAL IMAGE TAKEN ON 3/10/14.  
 03-18-14 SURVEY NOTES:  
 1) Bubble activity observed on north side of sinkhole.  
 2) Water visibility observed to a depth of approximately -10'.  
 3) Bottom elevation by fathometer was approximately -227'.  
 4) Bottom elevation by wireline was approximately -248'.

WEIGHTED WIRELINE MEASUREMENTS ... ..  
 (TAKEN ON 02/12)

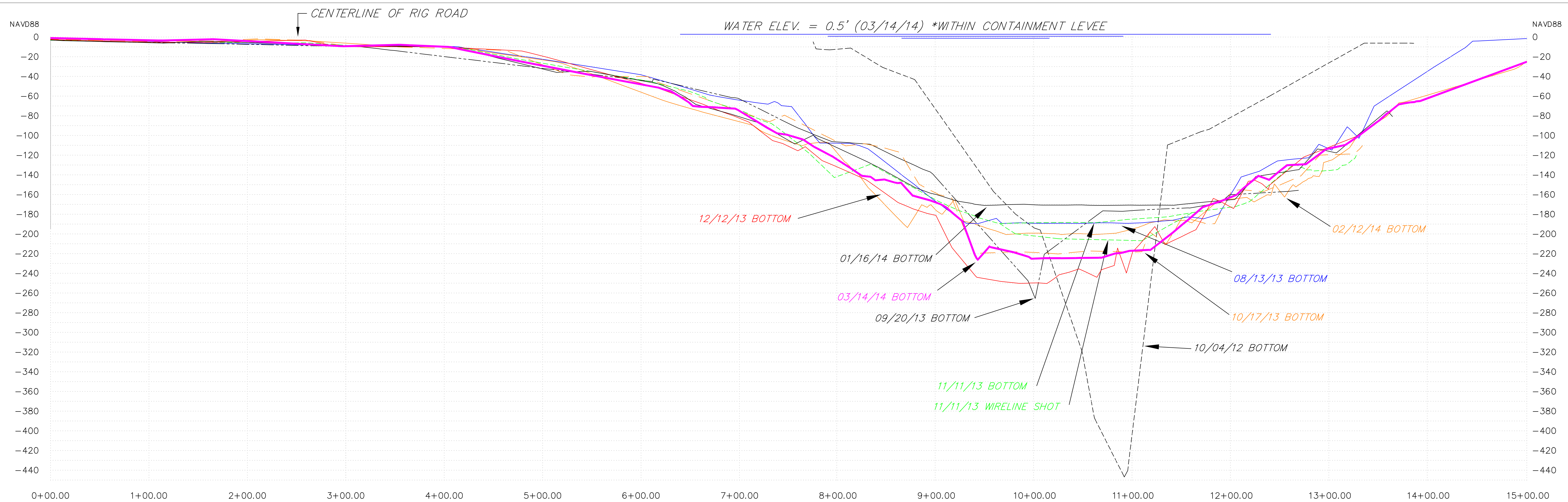
ROD SOUNDING LOCATION ... ..  
 (TAKEN ON 02/12 THRU 02/14)

AREA & VOLUME CALCULATIONS:  
 USING THE LIMITS OF THE -10' CONTOUR AS SHOWN  
 AND AN UPPER ELEVATION LIMIT OF -2.0', THE SINKHOLE  
 RAW INTERNAL VOLUME MEASURES APPROXIMATELY 3,007,493 CU. YDS.

USING THE LIMITS OF THE SURVEY AND WITH AN  
 UPPER ELEVATION LIMIT OF -2.0', THE SUBSIDENCE AREA (-2' TO -10')  
 RAW INTERNAL VOLUME MEASURES APPROXIMATELY 111,952 CU. YDS.

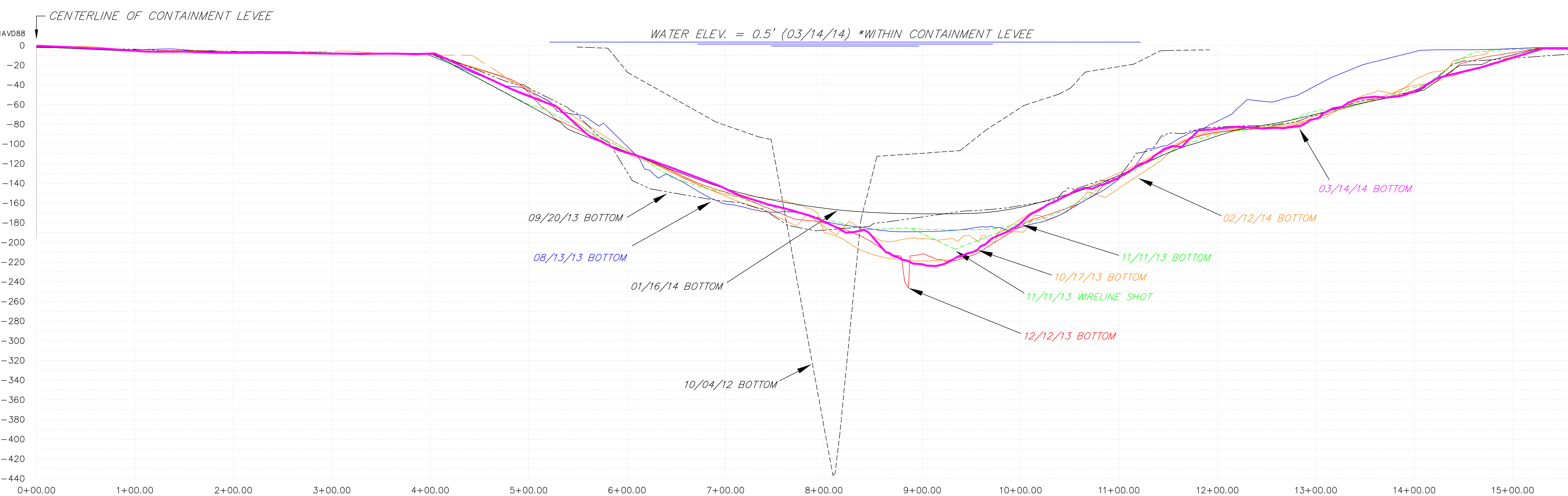
APPROXIMATE AREA OF -10.0' CONTOUR = 29.4 ACRES  
 APPROXIMATE SUBSIDENCE AREA = 23.0+ ACRES  
 TOTAL AREA = 52.4+ ACRES  
 NOTE: CONTAINMENT ROAD NOT USED IN CONTOURS AND VOLUME CALCULATIONS.

Drawn: M. J. Fore, PLS  
 Designed:  
 Approved:  
 Date: 10/04/2012  
 Project No: 13512  
 Scale: As Shown  
 Revised: 03/18/14  
 Sheet 1 of 3



**CROSS SECTION W-E**

**PROFILE:**  
 HORIZONTAL: 1"=50'  
 VERTICAL: 1"=50'



**CROSS SECTION S-N**

**PROFILE:**  
 HORIZONTAL: 1"=50'  
 VERTICAL: 1"=50'



**Miller Engineers & Associates, Inc.**  
 Consulting Engineers & Land Surveyors  
 601 Main Street P.O. Box 223  
 Franklin, La. 70538

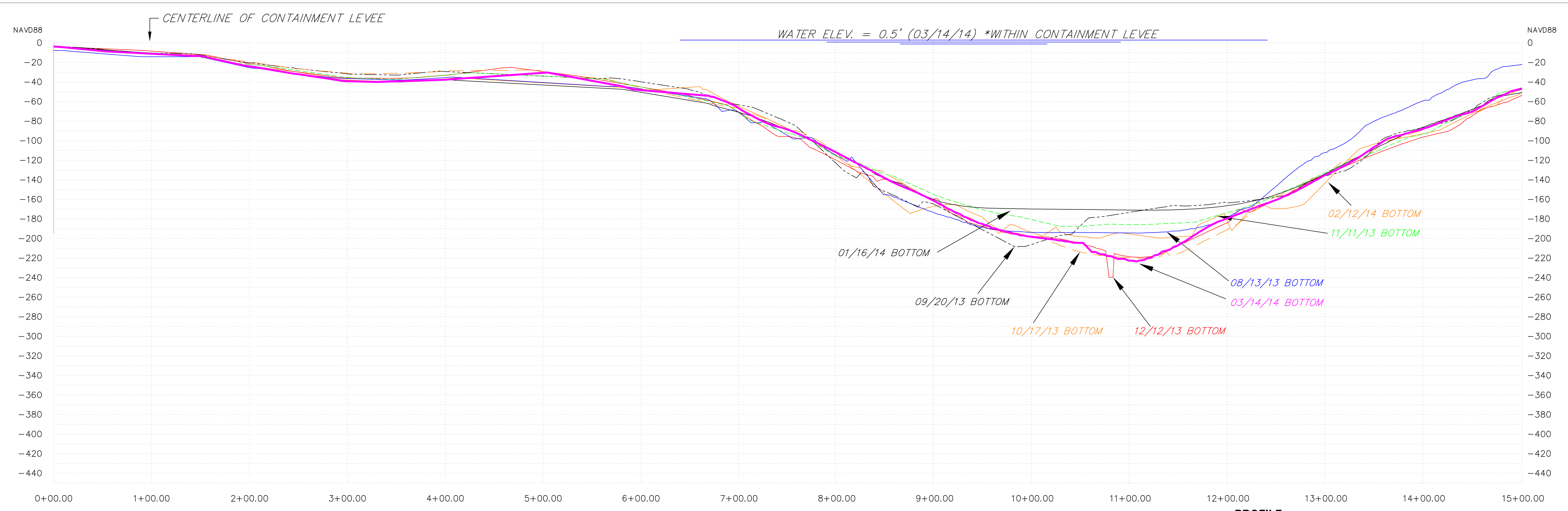
**TEXAS BRINE**  
**BAYOU CORNE/GRAND BAYOU SINKHOLE**

**MARCH 2014**  
**PLAN & PROFILE**

Drawn: M. J. Fore, PLS  
 Designed:  
 Approved:  
 Date: 10/04/2012  
 Project No: 13512  
 Scale: As Shown  
 Revised: 03/18/14  
 Sheet 2 of 3

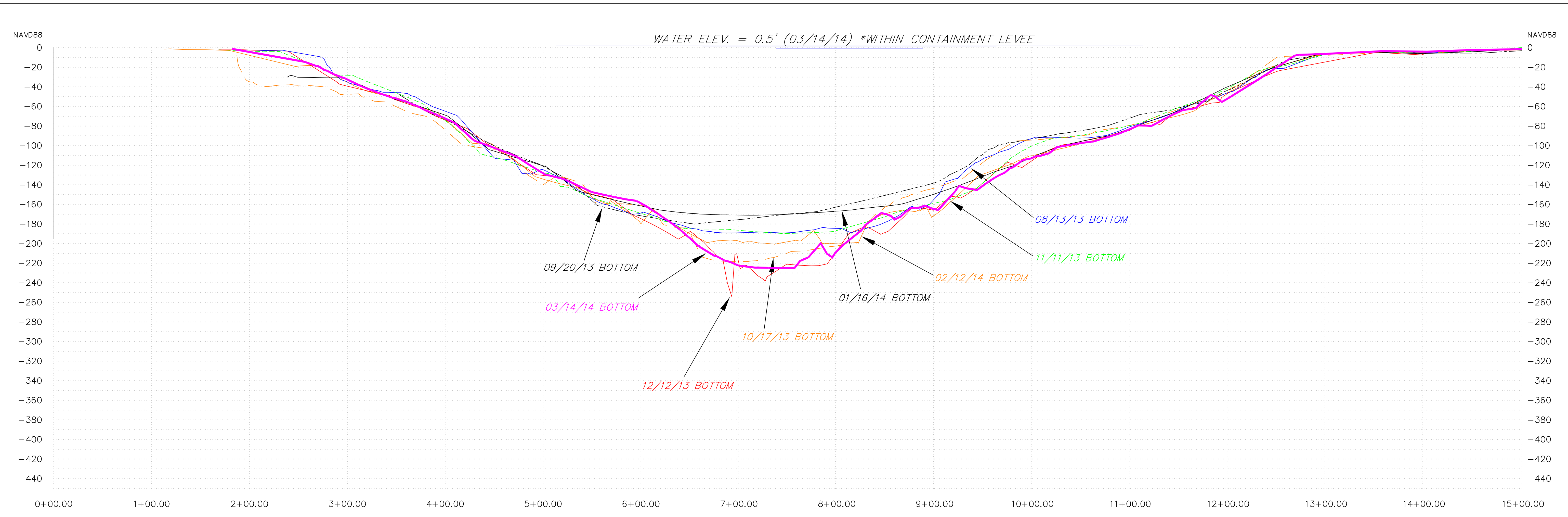


**Miller Engineers & Associates, Inc.**  
Consulting Engineers & Land Surveyors  
601 Main Street P.O. Box 223  
Franklin, La. 70538



**CROSS SECTION SSW-NNE**

**PROFILE:**  
HORIZONTAL: 1"=50'  
VERTICAL: 1"=50'



**CROSS SECTION SSE-NNW**

**PROFILE:**  
HORIZONTAL: 1"=50'  
VERTICAL: 1"=50'

TEXAS BRINE  
BAYOU CORNE/GRAND BAYOU SINKHOLE

MARCH 2014  
PLAN & PROFILE

Drawn: M. J. Fore, PLS  
Designed:  
Approved:  
Date: 10/04/2012  
Project No: 13512  
Scale: As Shown  
Revised: 03/18/14  
Sheet 3 of 3