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**Little Lake Shoreline Protection & Marsh
Creation Project
(BA-37)
(MPH/CPRA CONTRACT NO. 2503-12-14)**

**2014 Post-Construction Survey
Monitoring Report**

PREPARED FOR:

**Coastal Protection and Restoration Authority of
Louisiana**

PREPARED BY:

Morris P. Hebert, Inc.

June, 2014

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SECTION 1 METHODOLOGY REPORT

METHODOLOGY REPORT

Morris P. Hebert, Inc. (MPH) has been contracted by the Coastal Protection and Restoration Authority of Louisiana (CPRA) to perform the 2014 monitoring survey for the Little Lake Shoreline Protection & Marsh Creation Project (BA-37). This monitoring report discusses the methods used by MPH to provide CPRA with quality data and data that is consistent with the data obtained from previous surveys.

1.1 Project Location:

The Little Lake Shoreline Protection / Dedicated Dredging near Round Lake Project (BA-37) is located along the southwestern shoreline of Little Lake from Plum Point westward to Superior Canal in Lafourche Parish, Louisiana in the vicinity of Brusle and Round Lakes. The center of the project area is located at the approximate coordinates Latitude = 29° 29' 45" N and Longitude = 90° 20' 15" W. The site is accessible only by boat. The public launch on Clovelly Canal located in Cut Off, Louisiana is the nearest boat launch to the project site.

1.2 Project Description:

According to CPRA, the project includes approximately 25,000 linear feet of rock dike constructed along the Little Lake shoreline and approximately 1,000 acres of marsh creation/nourishment that was completed in March 2007. The project is sponsored by the United States Department of Commerce / National Ocean and Atmospheric Administration (NOAA) / National Marine Fisheries Services (NMFS) and the Louisiana Department of Natural Resources (LDNR) under the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA).

1.3 MPH's Scope of Services:

- 1.3.1 Perform Rock Dike Settlement Plate Elevation Survey
- 1.3.2 Perform Rock Dike Profile and Transects
- 1.3.3 Provide Deliverables

The description of the above Scope of Services provided by CPRA and performed by MPH is included in Appendix A.

METHODOLOGY REPORT

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- 1.3.2 Perform Rock Dike Profile and Transects
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1.4 Planning & Layout of the GPS Survey:

CPRA provided MPH with the Annual Monitoring Reports from the years 2007, 2008, 2009 & 2011. MPH used the locations of the survey points from the 2011 survey to plan for the surveying of the Settlement Plates and Grid Elevations in 20114

CPRA conducted a meeting with MPH on July 15, 2010 regarding the Planning and Layout of the surveying for the project. CPRA provided MPH with a copy of the Final Draft document titled "Surveying Coastal Marsh Found in Louisiana" and instructed MPH to follow the procedures in this document while performing the survey.

During the meeting, CPRA discussed the control points to be used to perform the survey. The LCZ Secondary Monuments were installed in 2002 and have experienced significant subsidence over the years. CPRA made the decision to use the Railroad Spike, having an elevation of +3.69' to maintain consistency with the previous surveys since the R/R spike appears to be the most stable control point of the three.

1.5 GPS Survey Control using existing LCZ Secondary Monuments

LCZ Secondary Monuments "SM01" and "SM02" were provided by CPRA. Data sheets for the monuments are included in Appendix B. Survey data on the T.B.M. Railroad (R/R) Spike, which was used in the previous surveys, was provided by CPRA. Since the Railroad Spike having an elevation of +3.69' was used as the primary control for the previous surveys, it was used as the primary control for the 2014 survey to insure the consistency of the data between the 2014 survey and the previous surveys. MPH determined "SM01" to be disturbed in 2014 and did not utilize it as a qc point for the 2014 survey.

1.6 Quality Assurance Procedures

Prior to beginning the survey, MPH checked the LCZ Secondary Monument "SM02" and the R/R Spike using *GULFNet* / Trimble R8 GPS System. *GULFNet* is a network of Continually Operating GPS Reference Stations (**CORS**) that delivers Real Time Network (RTN) error corrections via a cell phone and Bluetooth connection to the GPS data that is collected with a Trimble R8 Rover GPS Receiver. The purpose of checking the control points with *GULFNet* was to determine an accurate comparison of the 2 control points. The control points were shot 3 times using *GULFNet* / R8 GPS System and an average position and elevation was calculated. The elevations were adjusted by adding 0.76' to them to be consistent with R/R spike having an elevation of 3.69', which was used for the previous surveys. The average coordinates for the control points using *GULFNet* are as follows:

POINT	NORTHING (<i>GULFNet</i>)	EASTING (<i>GULFNet</i>)	ELEVATION (<i>GULFNet</i>)	ELEVATION (ADJUST +0.76')
SM02	350270.13	3655746.01	2.42'	3.18'
R/R SPIKE	349553.65	3642771.67	2.93'	3.69'

MPH decided to use the R/R spike having an elevation of 3.69' as the primary control point so that the survey data would be consistent with the previous surveys. MPH calculated an adjusted elevation for "SM02" to be used when performing Quality Control (QC) checks for the GPS. With the GPS R7 base station set up on the R/R spike (elevation 3.69'), daily QC shots were taken on SM02, and the observed daily QC shots were compared to the adjusted coordinates and elevations of SM02 in the above table to make sure the GPS was working properly.

1.7 Key Personnel

Project Manager: ----- Aric Gisclair, C.S.T.

Draftsman: ----- Timmy Crosby

Survey Crew

Survey Party Chief----- Chris Breaux

Survey Instrument Man ----- Justin Loupe

Survey Rod Man ----- Daryl Trahan

1.8 Equipment, Data Collection & Data Processing

- Airboat was used to access the location and perform the survey
- Trimble Survey Controller (TSC2) used for GPS Data Collection
- Combination Trimble R8 GNSS (base) / R8 GNSS (rover) GPS Receivers
- Combination *GULFNet* (base) / R8 GNSS (rover) GPS Receivers
- Trimble Business Center v3.2 used to process survey data from TCS2 data collectors.
- ACAD Civil3D 2012 used to prepare drawings.

SECTION 2

Drawing Files

The drawings for the 2014 Post-Construction Monitoring Survey – Little Lake Shoreline Protection & Marsh Creation Project (BA-37) are referenced to the Louisiana State Plane Coordinate System, South Zone, U.S. Survey Feet. The horizontal datum is North American Datum of 1983 (NAD83) and the vertical datum is North American Vertical Datum of 1988 (NAVD88). The drawings include the following:

- 1 TITLE SHEET
- 2 SETTLEMENT PLATE ELEVATION SURVEY
- 3 ROCK DIKE ALIGNMENT SURVEY (PLAN VIEW - SEGMENTS 1 THRU 13)
- 4 ROCK DIKE ALIGNMENT SURVEY (PLAN VIEW - SEGMENTS 14 THRU 24)
- 5 ROCK DIKE ALIGNMENT SURVEY (PROFILE - STA. 10+00 THRU 140+00)
- 6 ROCK DIKE ALIGNMENT SURVEY (PROFILE - STA. 140+00 THRU 270+00)
- 7 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 14+23 & 23+93
- 8 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 34+22 & 44+41
- 9 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 54+75 & 63+17
- 10 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 71+47 & 82+37
- 11 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 92+32 & 102+21
- 12 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 112+90 & 123+14
- 13 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 133+25 & 144+18
- 14 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 154+23 & 164+05
- 15 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 175+51 & 190+71
- 16 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 203+43 & 216+05
- 17 ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 229+62 & 240+24

Coastal Protection and Restoration Authority of Louisiana

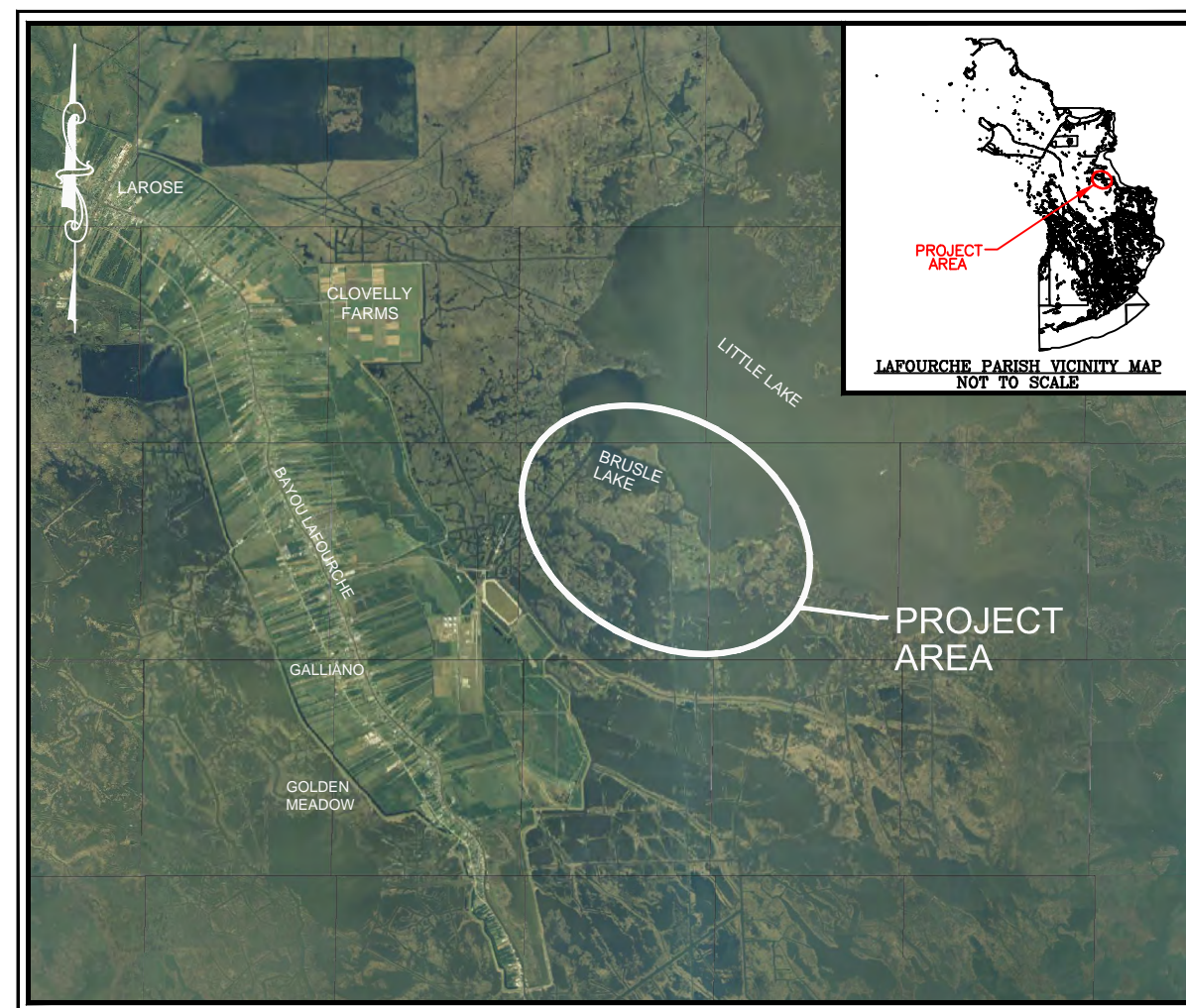
ROCK DIKE SHORELINE PROTECTION SURVEY LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGING PROJECT (BA-37) LOCATED IN LAFOURCHE PARISH, LOUISIANA

SPRING 2014

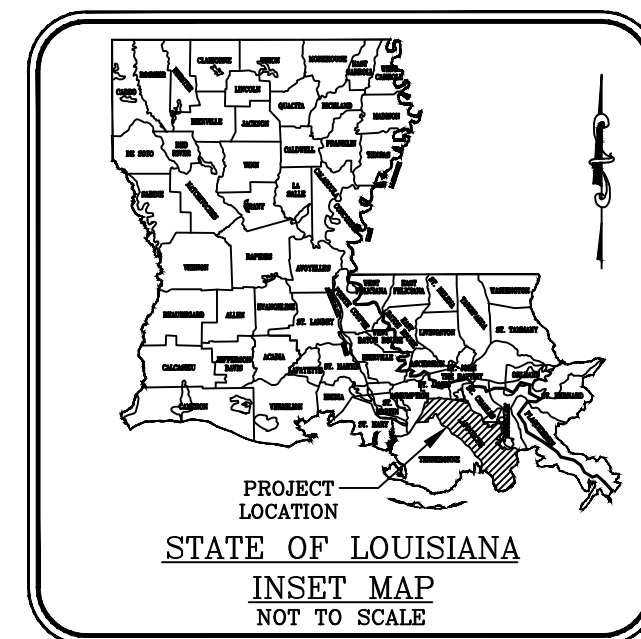
INDEX TO SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SETTLEMENT PLATE ELEVATION SURVEY
3	ROCK DIKE ALIGNMENT SURVEY (PLAN VIEW - SEGMENTS 1 THRU 13)
4	ROCK DIKE ALIGNMENT SURVEY (PLAN VIEW - SEGMENTS 14 THRU 24)
5	ROCK DIKE ALIGNMENT SURVEY (PROFILE - STA. 10+00 THRU 140+00)
6	ROCK DIKE ALIGNMENT SURVEY (PROFILE - STA. 140+00 THRU 270+00)
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17	ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 229+62 & 240+24
18	ROCK TRANSECTS AT SETTLEMENT PLATES - STA. 250+46 & 262+76

TOTAL NUMBER OF SHEETS = 18



PROJECT LOCATION MAP



APPROVED: G. ALEX TEAGUE, LA. LICENSE NO. 4842

THIS DOCUMENT VALID ONLY WHEN EITHER AN ORIGINAL CERTIFICATION STAMP OR AN EMBOSSING SEAL IS IMPRESSED OVER AN ORIGINAL SIGNATURE.

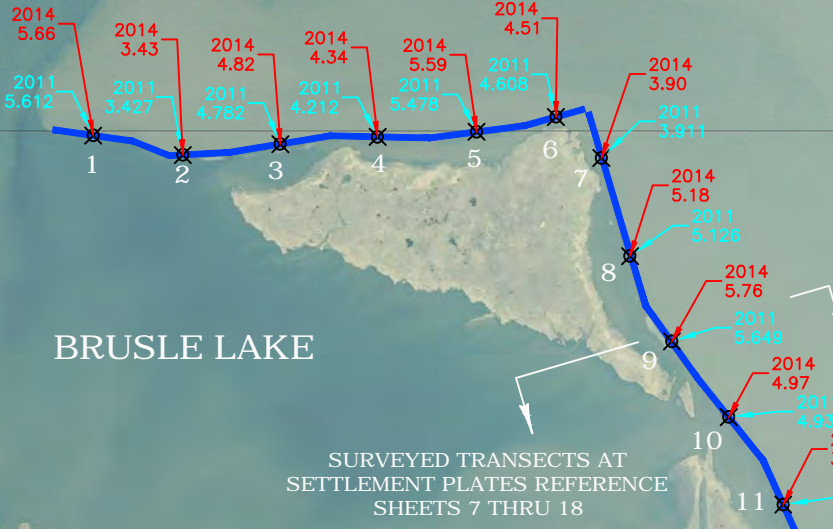
SET NO. _____



BAY L'OURS

LOUISIANA COORDINATE SYSTEM
(1983 SOUTH ZONE)

SETTLEMENT PLATES															
	DATE INSTALLED	STATION	ELEV. INST.	ELEV. AFTER 2nd LIFT	DATE OF 2nd LIFT ELEV.	FINAL ELEVATION	DATE OF FINAL ELEV.	SPRING 2008 ELEV.	DATE OF SPRING 2008	SUMMER 2009 ELEV.	DATE OF SUMMER 2009	SUMMER 2010 ELEV.	DATE OF SUMMER 2010	SUMMER 2011 ELEV.	DATE OF SUMMER 2011
01	11/27/06	14+23	6.48	5.842	01/26/07	5.867	02/11/07	5.709	05/09/08	5.619	08/20/09	5.598	07/26/10	5.61	09/12/11
02	11/14/06	23+93	6.32	3.978	01/26/07	3.951	02/11/07	3.595	05/09/08	3.475	08/20/09	3.557	07/26/10	3.43	09/12/11
03	11/09/06	34+22	7.02	5.155	01/29/07	5.167	02/11/07	4.933	05/09/08	4.940	08/20/09	4.940	07/26/10	4.78	09/12/11
04	11/06/06	44+41	6.96	4.627	01/29/07	4.574	02/11/07	4.414	05/09/08	4.456	08/20/09	4.323	07/26/10	4.21	09/12/11
05	11/06/06	54+75	7.71	5.892	01/29/07	5.897	02/11/07	5.664	05/09/08	5.650	08/20/09	5.476	07/26/10	5.48	09/12/11
06	11/05/06	63+17	6.98	4.955	01/29/07	4.968	02/11/07	4.699	05/09/08	4.612	08/20/09	4.560	07/26/10	4.61	09/12/11
07	11/05/06	71+47	7.92	4.427	01/29/07	4.423	02/11/07	4.079	05/09/08	4.031	08/20/09	4.195	07/26/10	3.91	09/12/11
08	10/25/06	82+37	6.98	5.456	01/29/07	5.507	02/11/07	5.322	05/09/08	5.285	08/20/09	5.332	07/26/10	5.13	09/12/11
09	10/06/06	92+32	6.70	5.838	01/29/07	5.839	02/11/07	5.817	05/09/08	5.815	08/20/09	5.827	07/26/10	5.65	09/12/11
10	09/28/06	102+21	6.96	5.309	12/07/06	5.279	02/11/07	5.183	05/09/08	5.084	08/20/09	5.259	07/26/10	4.94	09/12/11
11	09/01/06	112+90	6.4	4.370	12/07/06	4.188	02/11/07	3.822	05/09/08	3.692	08/20/09	3.856	07/26/10	3.59	09/12/11
12	07/09/06	123+14	7.74	6.360	12/07/06	6.157	02/11/07	5.743	05/09/08	5.677	08/20/09	5.655	07/26/10	5.46	09/12/11
13	07/06/06	133+25	7.32	3.904	09/14/06	3.611	02/11/07	3.244	05/09/08	3.086	08/20/09	3.135	07/26/10	2.96	09/12/11
14	06/27/06	144+18	6.68	5.842	09/14/06	5.557	02/11/07	5.381	05/09/08	5.400	08/20/09	5.290	07/26/10	5.22	09/12/11
15	06/16/06	154+23	7.02	5.433	09/14/06	5.169	02/11/07	4.926	05/09/08	4.960	08/20/09	4.714	07/26/10	4.67	09/12/11
16	06/03/06	164+05	6.95	6.863	08/01/06	6.103	02/11/07	5.931	05/09/08	5.860	08/20/09	5.821	07/26/10	5.76	09/12/11
17	05/21/06	175+51	7.53	6.761	08/01/06	6.363	02/11/07	6.268	05/09/08	6.273	08/20/09	6.150	07/26/10	6.10	09/12/11
18	05/18/06	190+71	7.68	6.424	08/01/06	5.972	02/11/07	5.739	05/09/08	5.597	08/20/09	5.582	07/26/10	5.48	09/12/11
19	05/06/06	203+43	8.51	6.776	08/01/06	6.266	02/11/07	6.086	05/09/08	5.939	08/20/09	5.853	07/26/10	5.79	09/12/11
20	04/11/06	216+05	7.8	5.818	08/01/06	5.647	02/11/07	5.515	05/09/08	5.344	08/20/09	5.279	07/26/10	5.25	09/12/11
21	04/05/06	229+62	7.31	5.395	08/01/06	4.805	02/11/07	4.654	05/09/08	4.340	08/20/09	4.406	07/26/10	4.31	09/12/11
22	03/31/06	240+24	8.38	5.295	08/01/06	4.581	02/11/07	4.345	05/09/08	4.262	08/20/09	4.206	07/26/10	4.00	09/12/11
23	03/26/06	250+46	7.64	5.498	08/01/06	5.155	02/11/07	4.988	05/09/08	4.617	08/20/09	4.785	07/26/10	4.65	09/12/11
24	03/21/06	262+76	8.26	7.064	08/01/06	6.708	02/11/07	6.688	05/09/08	6.506	08/20/09	6.508	07/26/10	6.35	09/12/11



SURVEYED TRANSECTS AT SETTLEMENT PLATES REFERENCE SHEETS 7 THRU 18

ROUND LAKE

C/L ROCK DIKE PROFILE REFERENCE SHEETS 5 & 6

NOTE:
SURVEY DATA RECORDED IN MPH FIELD BOOK #1887 PAGES 1-64 & BOOK #1938 PAGES 1-56. ALL SURVEY DATA IS RELATIVE TO T.B.M. R/R SPIKE HAVING THE COORDINATES N=349553.65, E=3642771.67 LA-SOUTH (NAD83) & ELEVATION=3.69' (NAVD88) USING GEOID MODEL 2003U07 (LOUISIANA). T.B.M. WAS CHECKED TO BA-37-SM-01 & BA 37-SM-02 HAVING THE ADJUSTED COORDINATES AS DESCRIBED IN SECTION 1.6 OF THE 2011 REPORT.

— ROCK DIKE ALIGNMENT



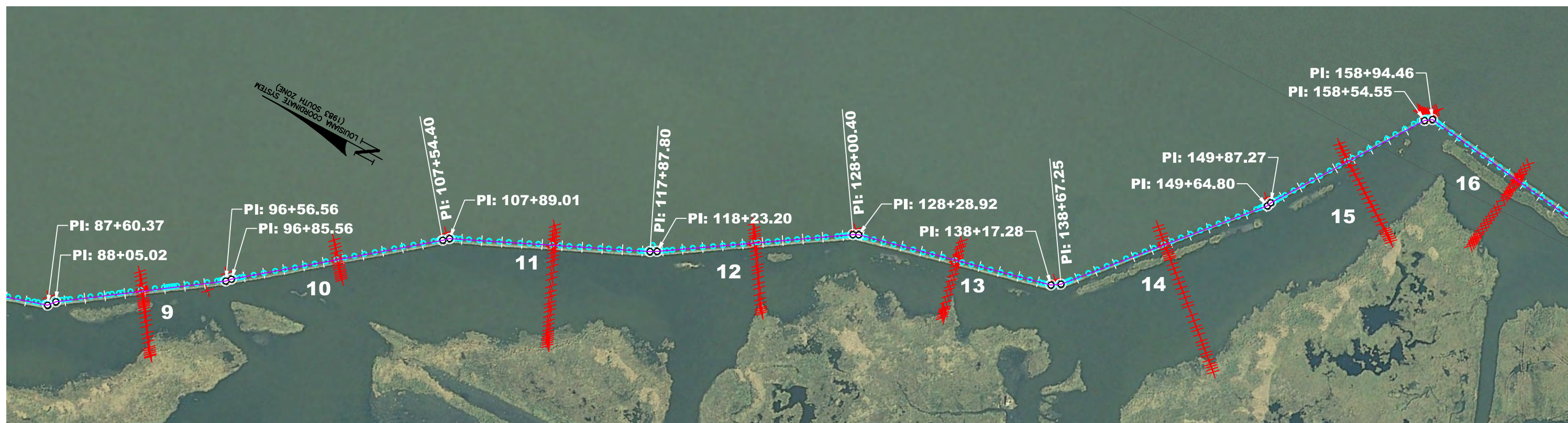
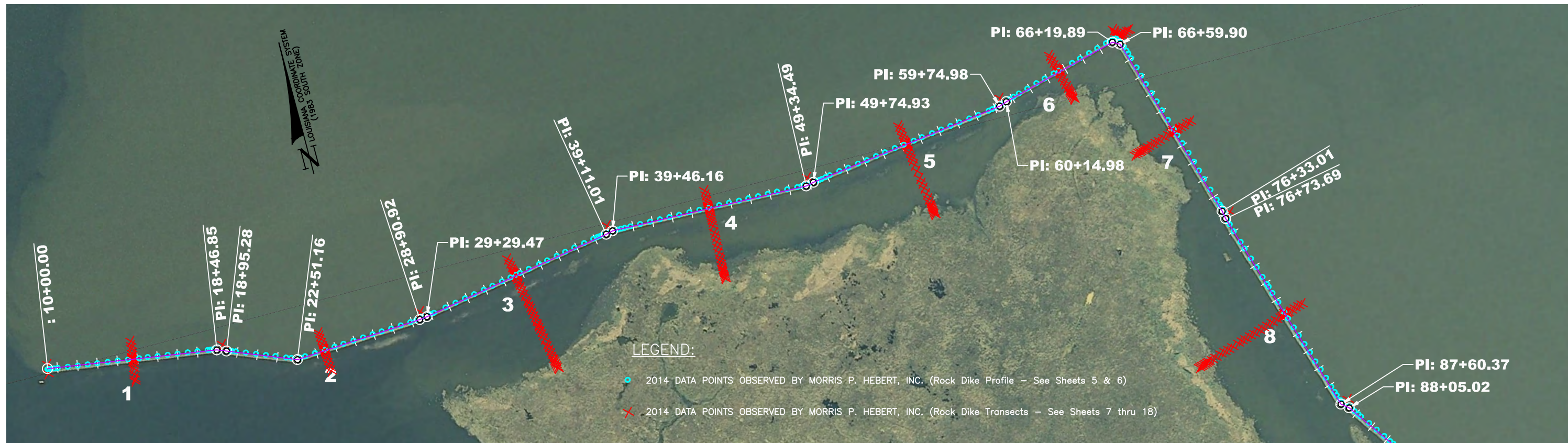
SETTLEMENT PLATES		
S.P. #	SPRING 2014 ELEV.	DATE OF SPRING 2014
01	5.66	04/01/14
02	3.43	04/01/14
03	4.82	04/08/14
04	4.34	04/11/14
05	5.59	04/09/14
06	4.51	04/07/14
07	3.90	04/07/14
08	5.18	04/04/14
09	5.76	04/04/14
10	4.97	04/03/14
11	3.64	04/03/14
12	5.50	04/03/14
13	3.07	04/01/14
14	5.31	04/01/14
15	4.77	03/31/14
16	5.74	03/31/14
17	6.13	03/31/14
18	5.48	03/27/14
19	5.81	03/27/14
20	5.24	03/26/14
21	4.32	03/26/14
22	4.02	03/25/14
23	4.67	03/25/14
24	6.38	03/20/14

COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE SHORELINE PROTECTION SURVEY
LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGING PROJECT (BA-37)
SPRING 2014 - SETTLEMENT PLATE ELEVATION SURVEY
LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 2 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE:	JOB NO. 11025-07
MPH CAD FILE: DWG - 02 -ROCK DIKE PLAN VIEW.DWG	

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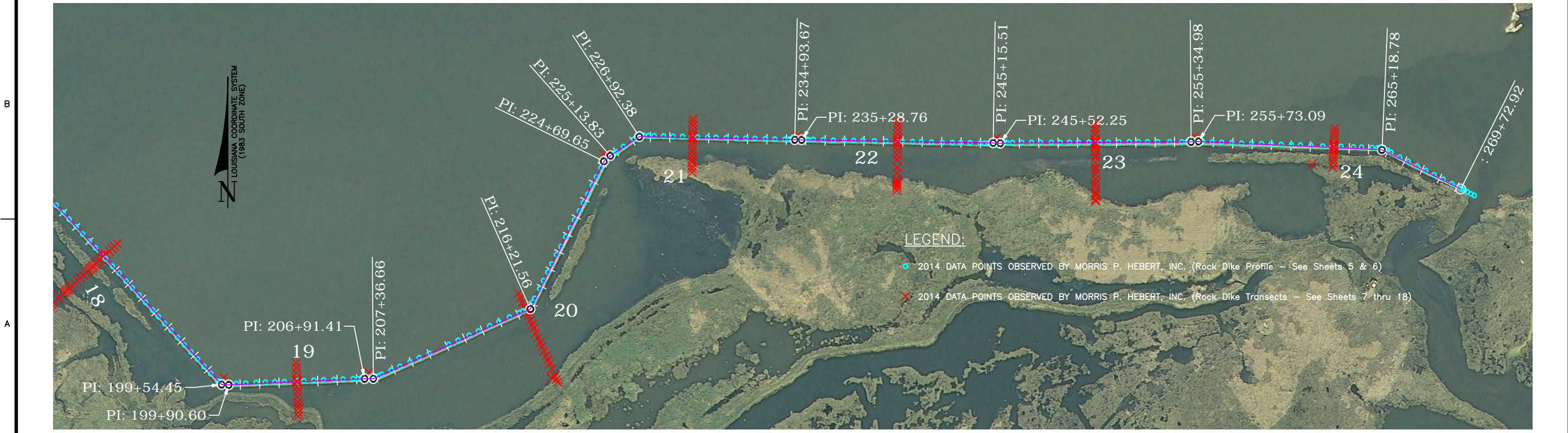
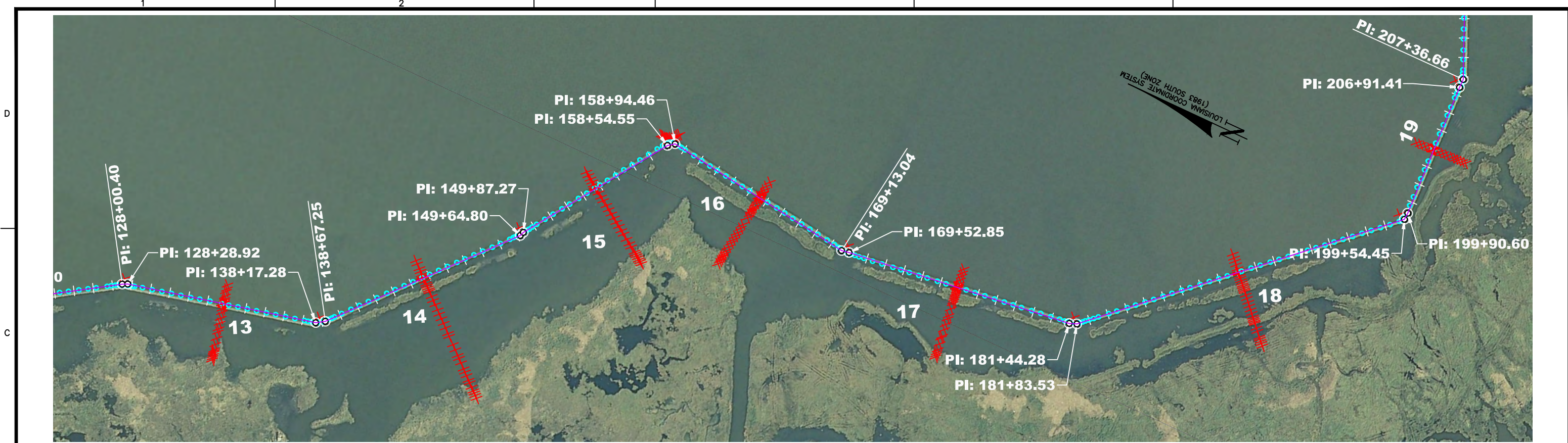


COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE SHORELINE PROTECTION SURVEY
 LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGING PROJECT (BA-37)
 SPRING 2014 - PLAN VIEW - SEGMENTS 1 THRU 13
 LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 3 OF 18
CHKD./APPD. BY: GML	SCALE: 1" = 500'
UPDATED BY:	DATE: 4/16/14
DATA BASE:	JOB NO. 11025-07
MPH CAD FILE: Rock Dike - Profile .dwg	

W:\dwg\11025-07\2014 Dwgs\DWG - 03-06 - Rock Dike - Profile .dwg PLOT DATE: 6/10/14 3:42:30pm



LEGEND:

- 2014 DATA POINTS OBSERVED BY MORRIS P. HEBERT, INC. (Rock Dike Profile - See Sheets 5 & 6)
- ✕ 2014 DATA POINTS OBSERVED BY MORRIS P. HEBERT, INC. (Rock Dike Transects - See Sheets 7 thru 18)

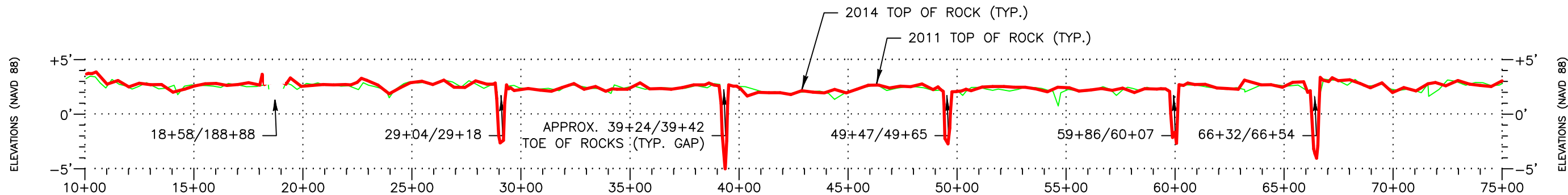
Morris P. Hebert, Inc.
 SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS
 P.O. BOX 3106 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (985) 879-2731
 10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

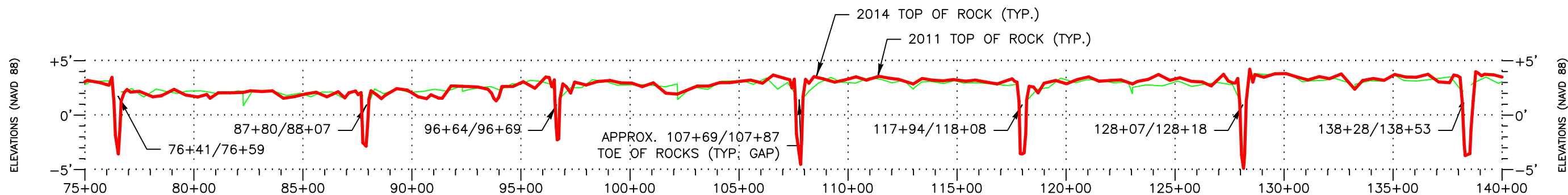
ROCK DIKE ALIGNMENT SURVEY
 LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGING PROJECT (BA-37)
 SPRING 2014 - PLAN VIEW - SEGMENTS 14 THRU 24
 LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 4 OF 18
CHKD./APPD. BY: GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE:	JOB NO. 11025-07
MPH CAD FILE: Rock Dike - Profile.dwg	

W:\dwg\11025-07\2014 Dwgs\DWG - 03-06 - Rock Dike - Profile .dwg PLOT DATE: 6/10/14 3:44:51pm



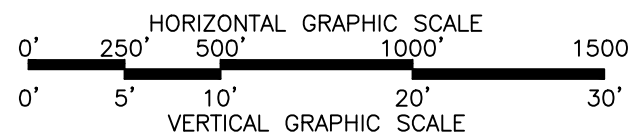
CL ROCK PROFILE
(STA. 10+00.00 - TO STA. 75+00.00)



CL ROCK PROFILE
(STA. 75+00.00 - TO STA. 140+00.00)

LEGEND:

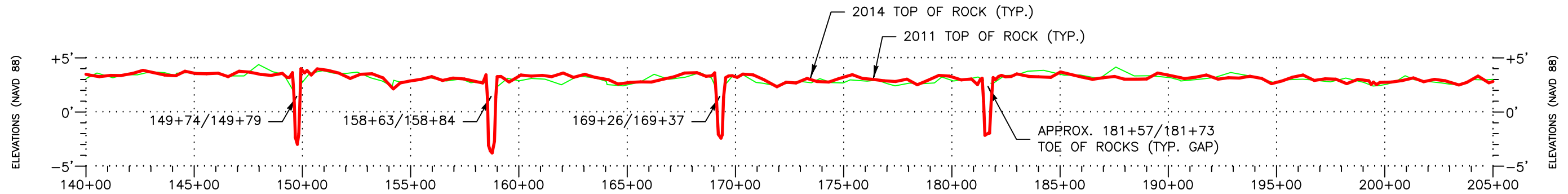
- 2014 PROFILES CREATED BY MORRIS P. HEBERT, INC. (SPRING)
- 2011 PROFILES CREATED BY MORRIS P. HEBERT, INC. (SUMMER)



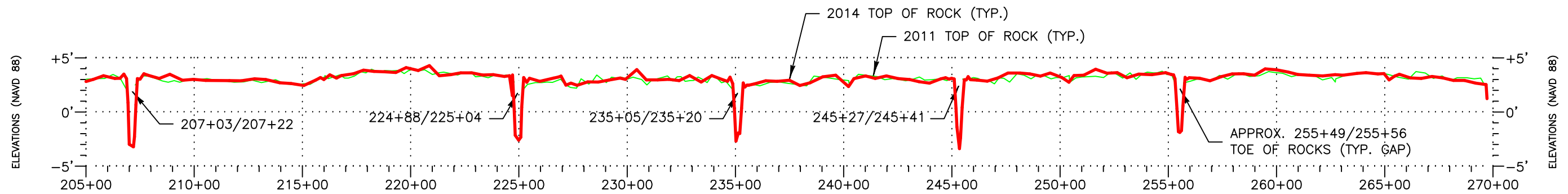
COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE SHORELINE PROTECTION SURVEY
LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGING PROJECT (BA-37)
SPRING 2014 - C/L ROCK PROFILE 10+00 TO 140+00
LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 5 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE:	JOB NO. 11025-07
MPH CAD FILE: Rock Dike Profile .dwg	



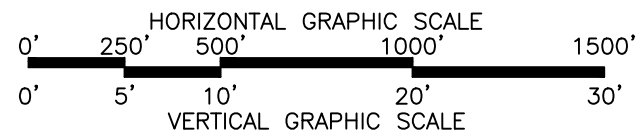
CL ROCK PROFILE
(STA. 140+00.00 - TO STA. 205+00.00)



CL ROCK PROFILE
(STA. 205+00.00 - TO STA. 270+00.00)

LEGEND:

- 2014 PROFILES CREATED BY MORRIS P. HEBERT, INC. (SPRING)
- 2011 PROFILES CREATED BY MORRIS P. HEBERT, INC. (SUMMER)

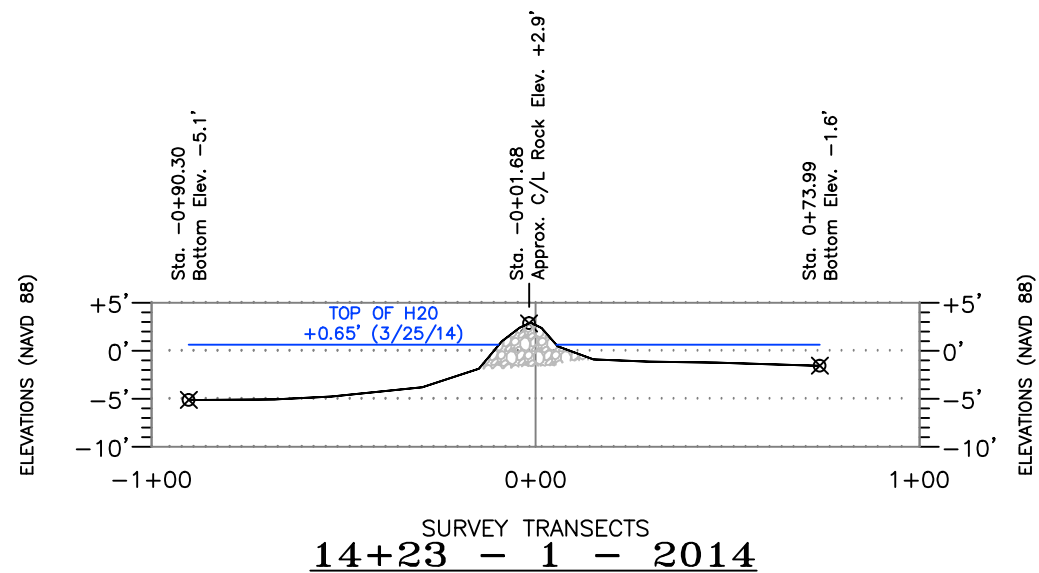
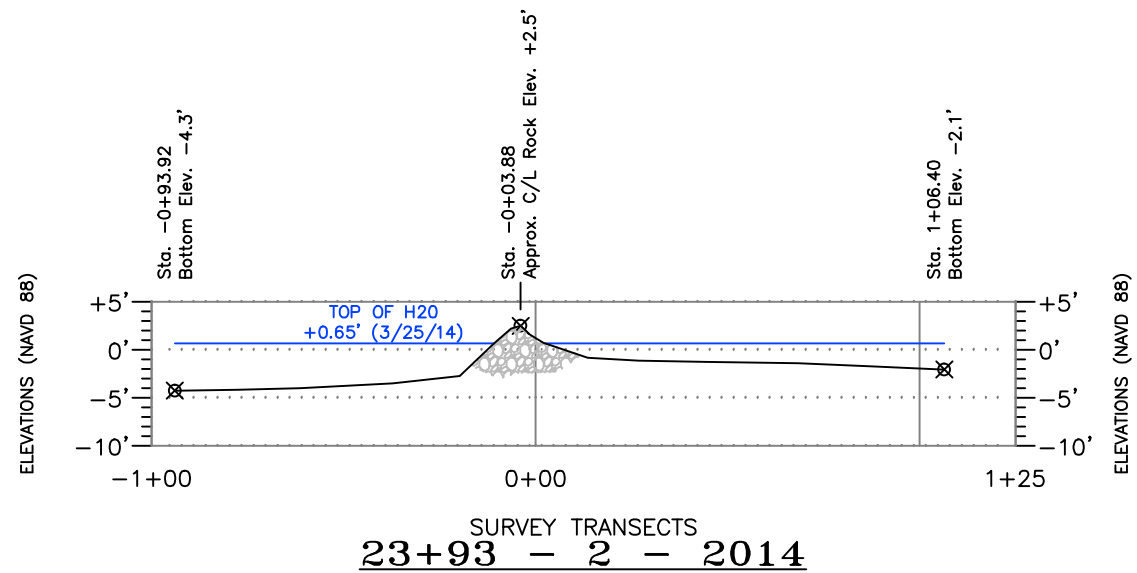


COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE SHORELINE PROTECTION SURVEY
LITTLE LAKE SHORELINE PROTECTION / DEDICATED DREDGING PROJECT (BA-37)
SPRING 2014 - C/L ROCK PROFILE 140+00 TO 270+00
LOCATED IN LAFOURCHE PARISH, LOUISIANA

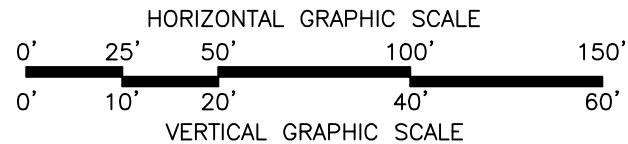
DRAWN BY: TPC	SHEET: 6 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE:	JOB NO. 11025-07
MPH CAD FILE: Rock Dike Profile .dwg	

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NOTE:

1. SURVEY DATA RECORDED IN MPH FIELD BOOK #1887 PAGES 1-64 & BOOK #1938 PAGES 1-56, AS SHOWN IN SECTION 4 OF THE 2014 POST CONSTRUCTION SURVEY MONITORING REPORT. ALL SURVEY DATA IS RELATIVE TO T.B.M. R/R SPIKE HAVING THE COORDINATES N=349553.65, E=3642771.67 LA-SOUTH (NAD83) & ELEVATION=3.69' (NAVD88) USING GEOID MODEL 2003U07 (LOUISIANA). T.B.M. WAS CHECKED TO BA-37-SM-01 & BA 37-SM-02 HAVING THE ADJUSTED COORDINATES AS DESCRIBED IN SECTION 1.6 OF THE 2014 REPORT.

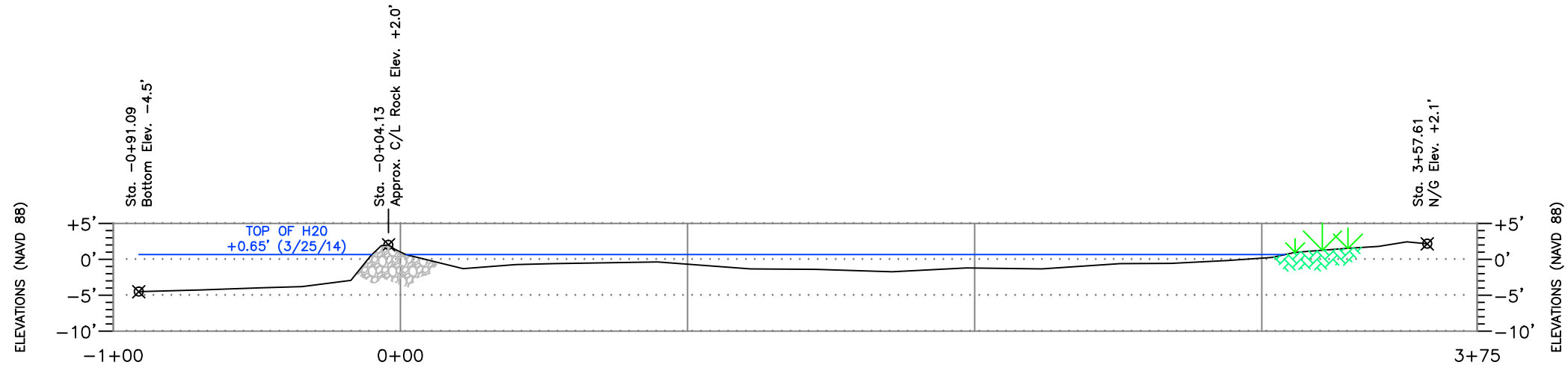


COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

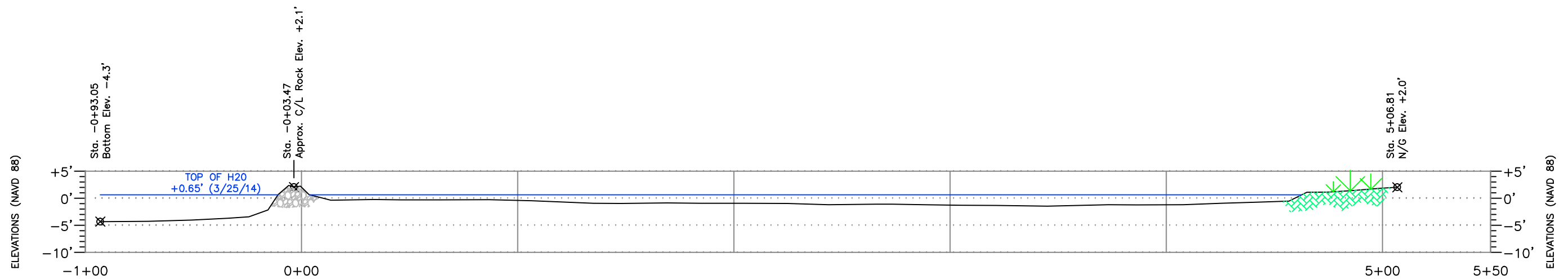
ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (14+23 & 23+93)
LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
LOCATED IN LAFOURCHE PARISH, LOUISIANA

mph
Morris P. Hebert, Inc.
SURVEYING • ENGINEERING • ENVIRONMENTAL SERVICES • FIELD SERVICES • GIS
P.O. BOX 3106 • 283 CORPORATE DRIVE • HOUMA, LOUISIANA 70361 • (985) 879-2731
10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

DRAWN BY: TPC	SHEET: 7 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	



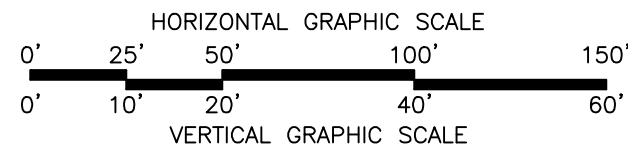
SURVEY TRANSECTS
44+41 - 4 - 2014



SURVEY TRANSECTS
34+22 - 3 - 2014

NOTE:

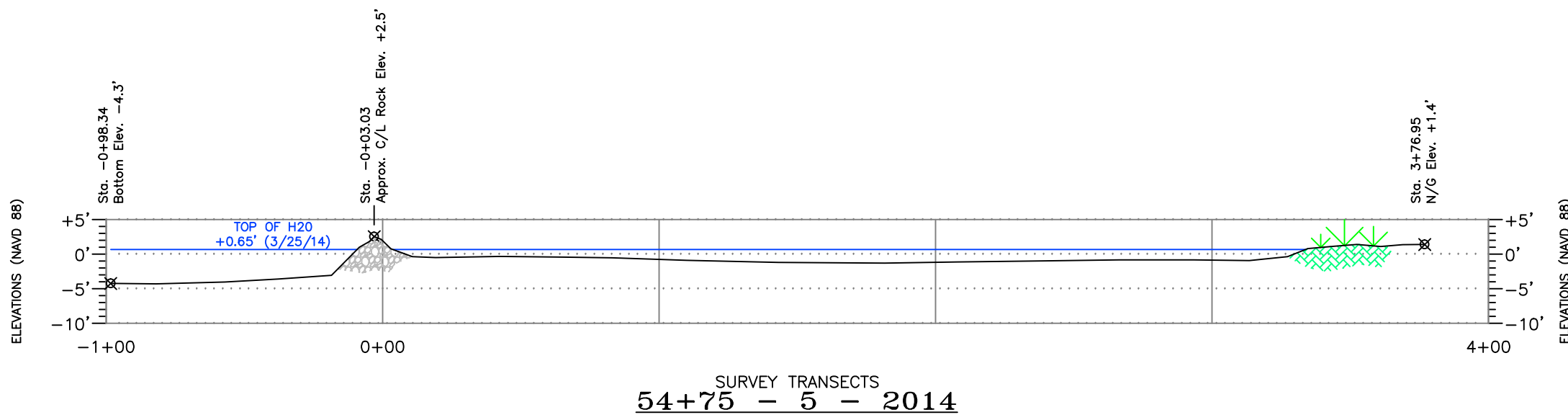
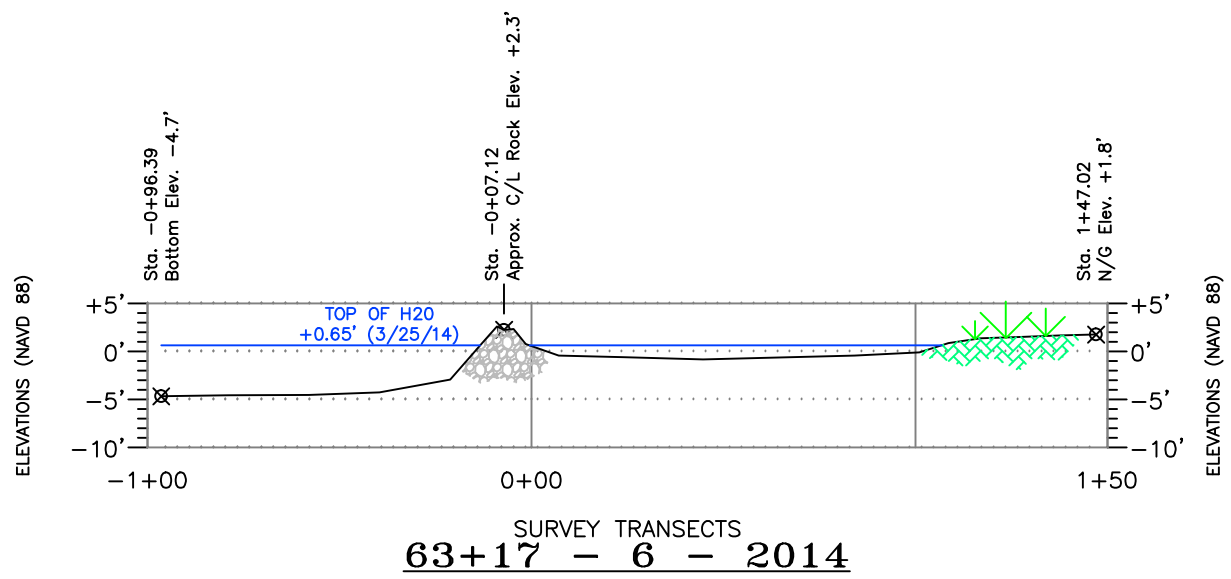
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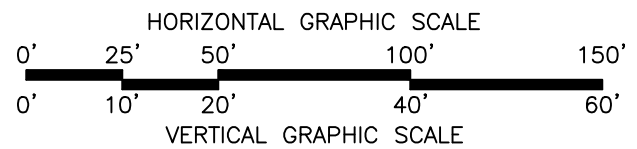
COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (34+22 & 44+41)
LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 8 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	



NOTE:
 1. SURVEY DATA RECORDED IN MPH FIELD BOOK #1887 PAGES 1-64 & BOOK #1938 PAGES 1-56, AS SHOWN IN SECTION 4 OF THE 2014 POST CONSTRUCTION SURVEY MONITORING REPORT. ALL SURVEY DATA IS RELATIVE TO T.B.M. R/R SPIKE HAVING THE COORDINATES N=349553.65, E=3642771.67 LA-SOUTH (NAD83) & ELEVATION=3.69' (NAVD88) USING GEOID MODEL 2003U07 (LOUISIANA). T.B.M. WAS CHECKED TO BA-37-SM-01 & BA 37-SM-02 HAVING THE ADJUSTED COORDINATES AS DESCRIBED IN SECTION 1.6 OF THE 2014 REPORT.



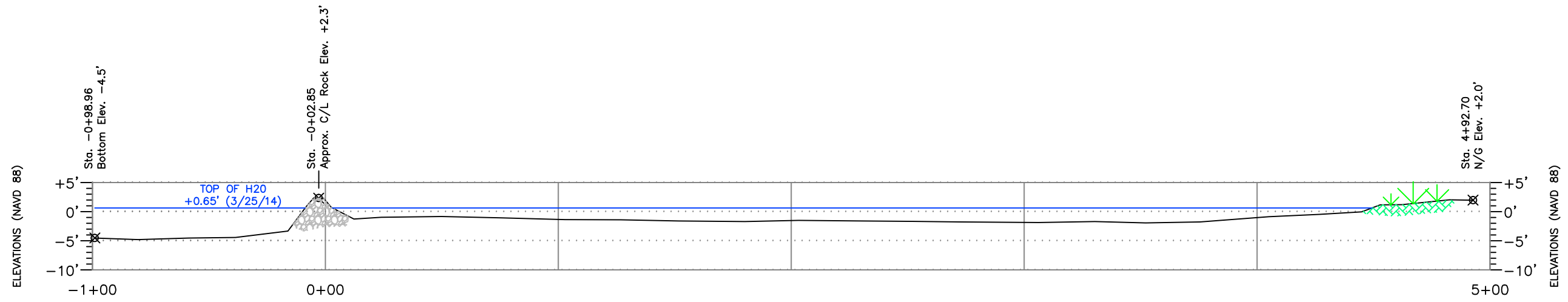
mph
 Morris P. Hebert, Inc.
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 10101 SOUTHWEST FREEWAY • SUITE 400 • HOUSTON, TEXAS 77074 • (713) 219-1470

COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

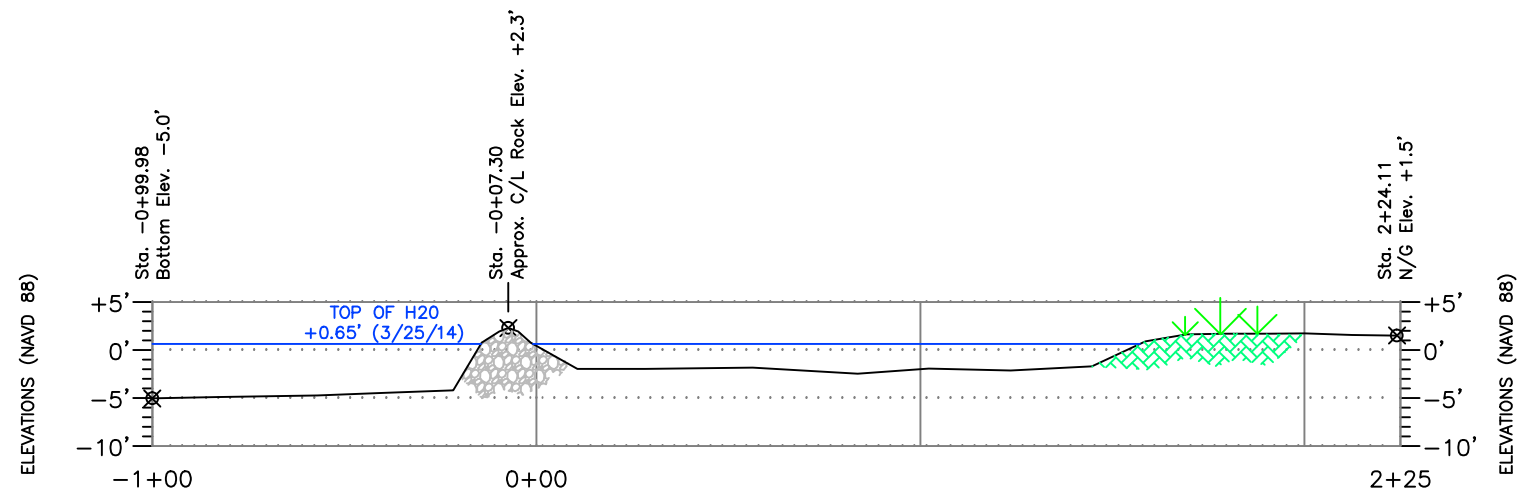
ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (54+75 & 63+17)
 LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
 SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
 LOCATED IN LAFORCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 9 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	

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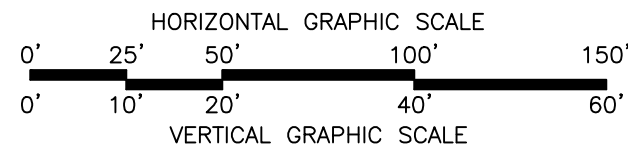
SURVEY TRANSECTS
82+37 - 8 - 2014



SURVEY TRANSECTS
71+47 - 7 - 2014

NOTE:

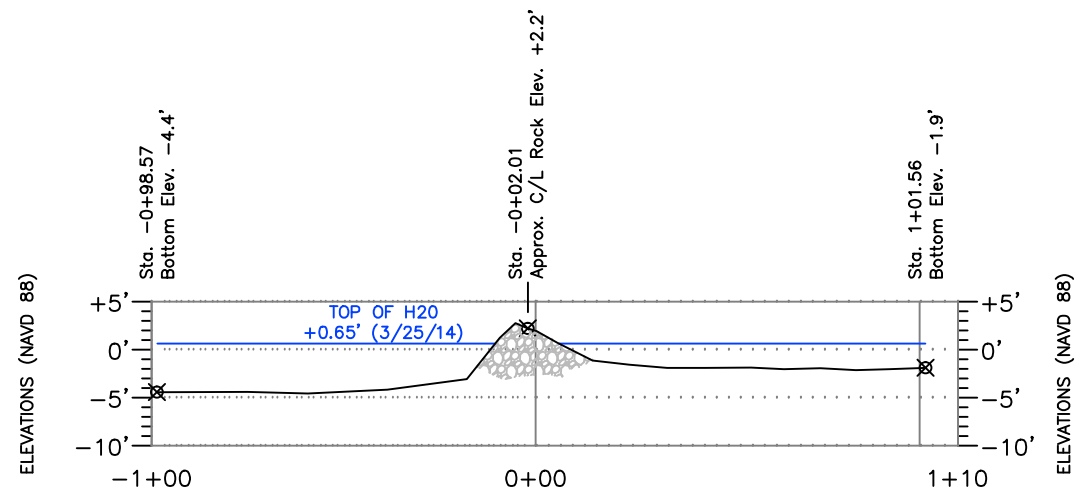
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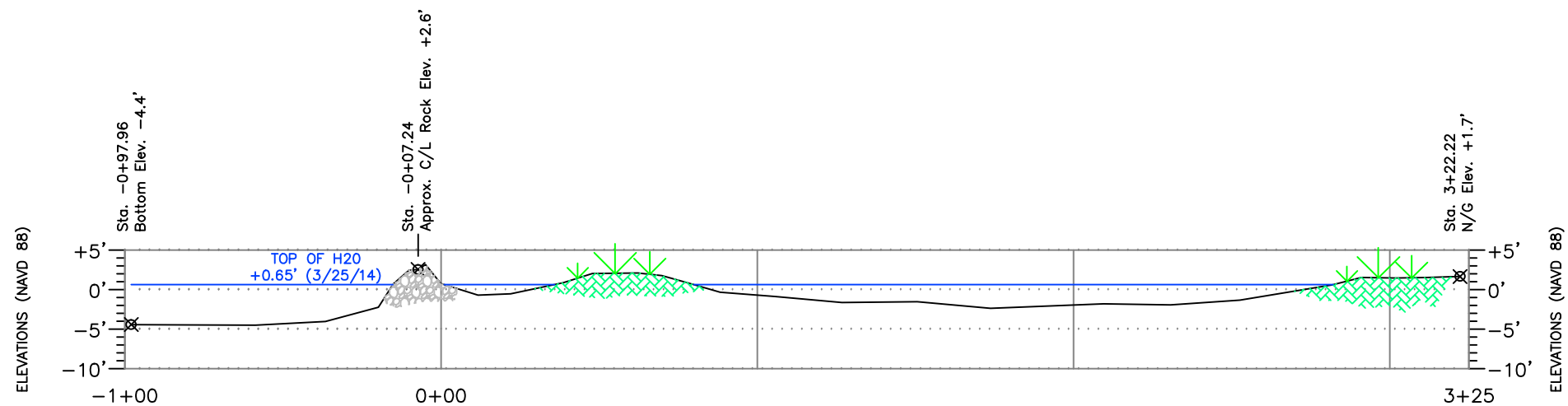
COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (71+47 & 82+37)
 LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
 SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
 LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 10 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	



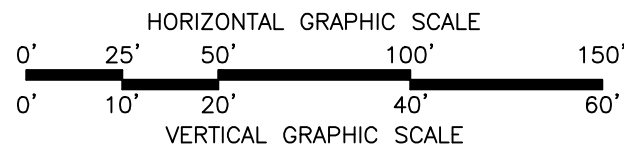
SURVEY TRANSECTS
102+21 - 10 - 2014



SURVEY TRANSECTS
92+32 - 9 - 2014

NOTE:

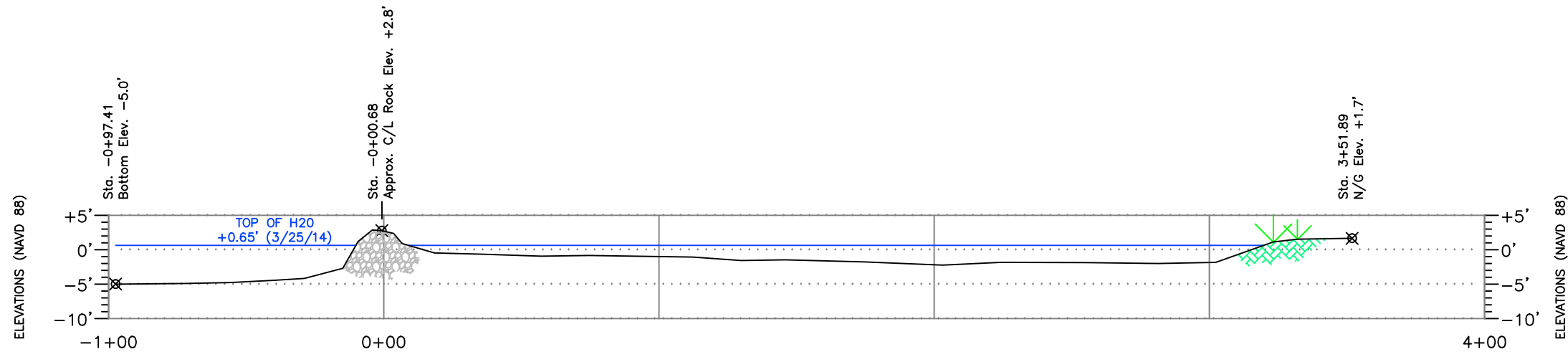
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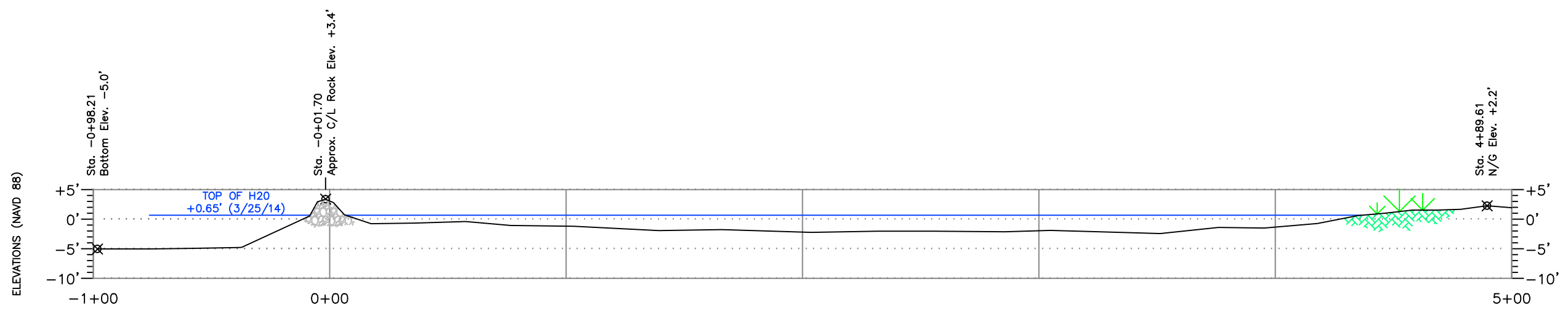
COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (92+32 & 102+21)
LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 11 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	

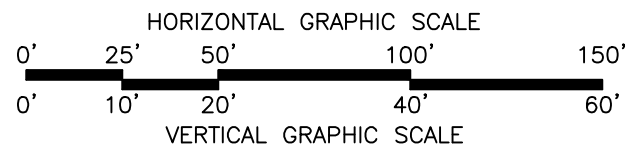


SURVEY TRANSECTS
123+14 - 12 - 2014



SURVEY TRANSECTS
112+90 - 11 - 2014

NOTE:
1. SURVEY DATA RECORDED IN MPH FIELD BOOK #1887 PAGES 1-64 & BOOK #1938 PAGES 1-56, AS SHOWN IN SECTION 4 OF THE 2014 POST CONSTRUCTION SURVEY MONITORING REPORT. ALL SURVEY DATA IS RELATIVE TO T.B.M. R/R SPIKE HAVING THE COORDINATES N=349553.65, E=3642771.67 LA-SOUTH (NAD83) & ELEVATION=3.69' (NAVD88) USING GEOID MODEL 2003U07 (LOUISIANA). T.B.M. WAS CHECKED TO BA-37-SM-01 & BA 37-SM-02 HAVING THE ADJUSTED COORDINATES AS DESCRIBED IN SECTION 1.6 OF THE 2014 REPORT.

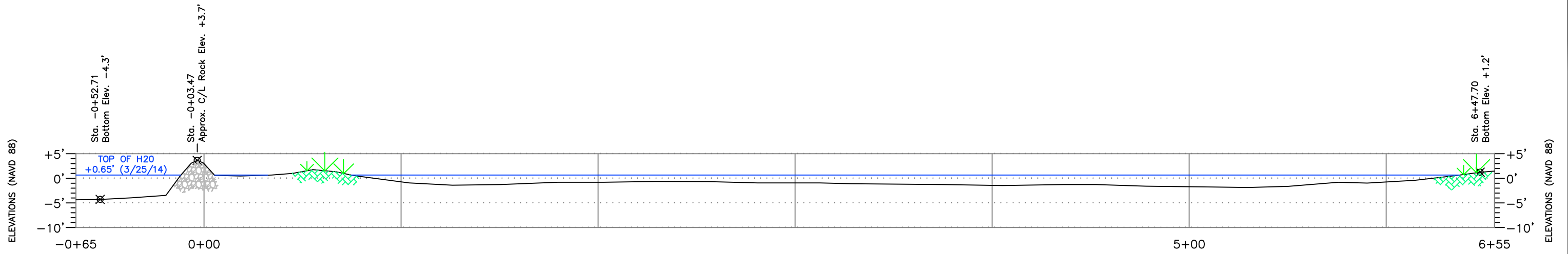


COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

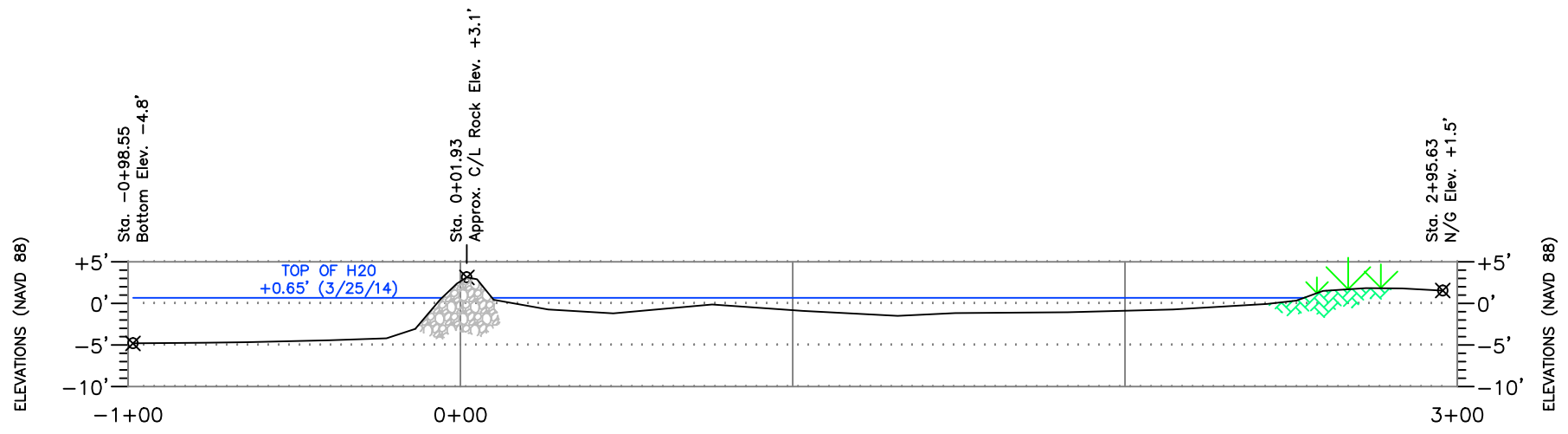
ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (112+90 & 123+14)
LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 12 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	

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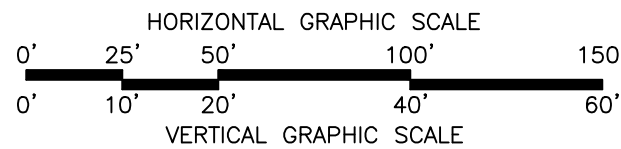
SURVEY TRANSECTS
144+18 - 14 - 2014



SURVEY TRANSECTS
133+25 - 13 - 2014

NOTE:

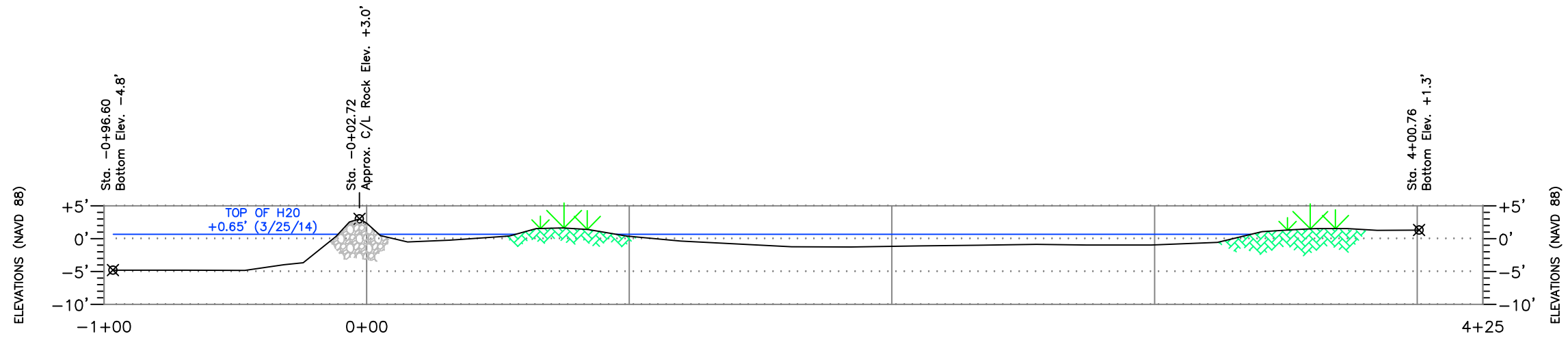
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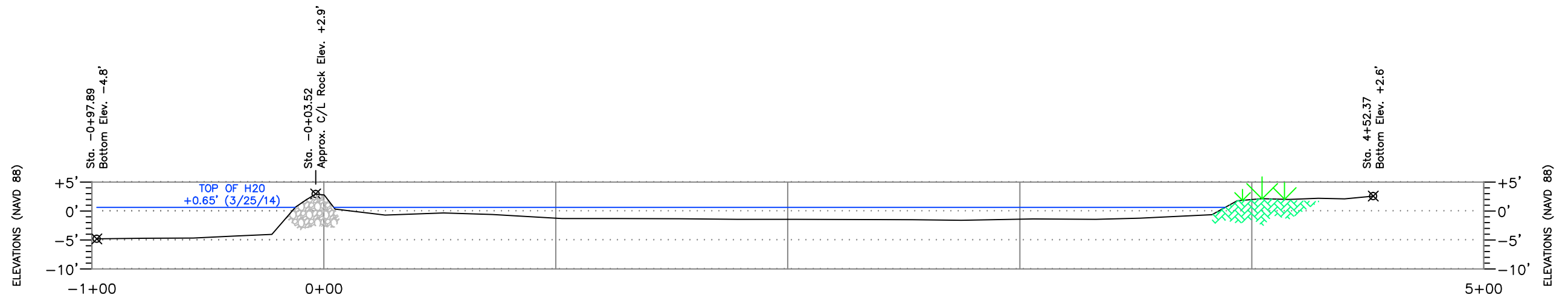
COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (133+25 & 144+118)
LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 13 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	



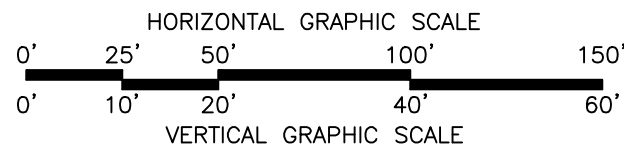
SURVEY TRANSECTS
164+05 - 16 - 2014



SURVEY TRANSECTS
154+23 - 15 - 2014

NOTE:

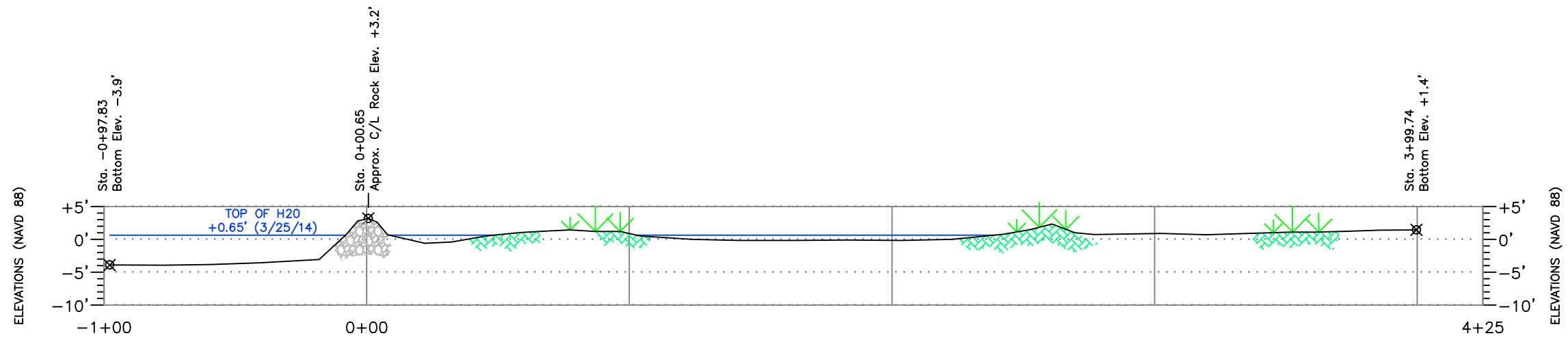
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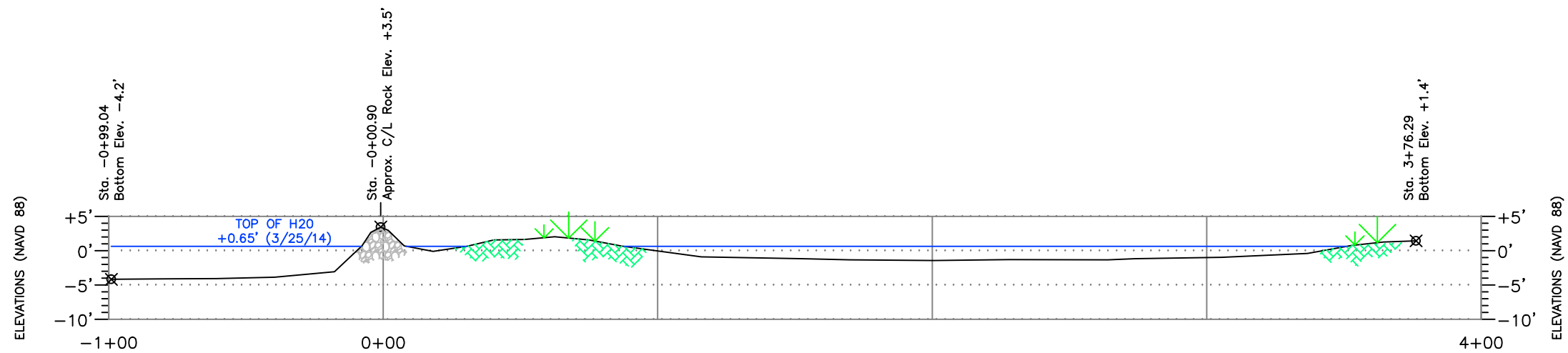
COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (154+23 & 164+05)
 LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
 SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
 LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 14 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	



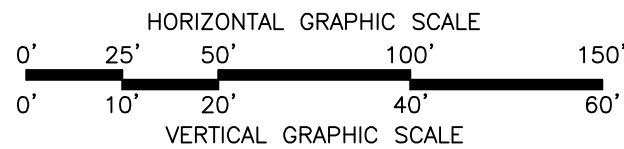
SURVEY TRANSECTS
190+71 - 18 - 2014



SURVEY TRANSECTS
175+51 - 17 - 2014

NOTE:

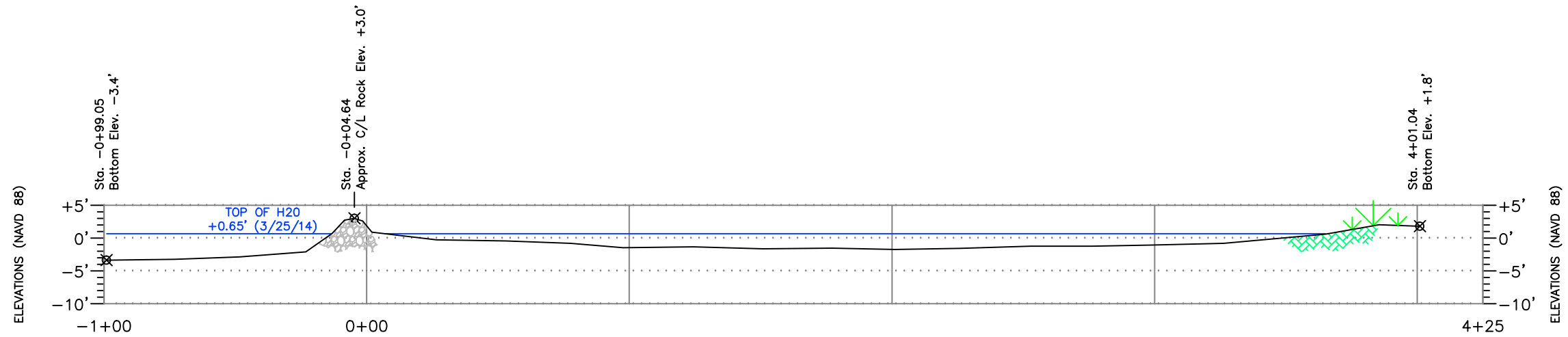
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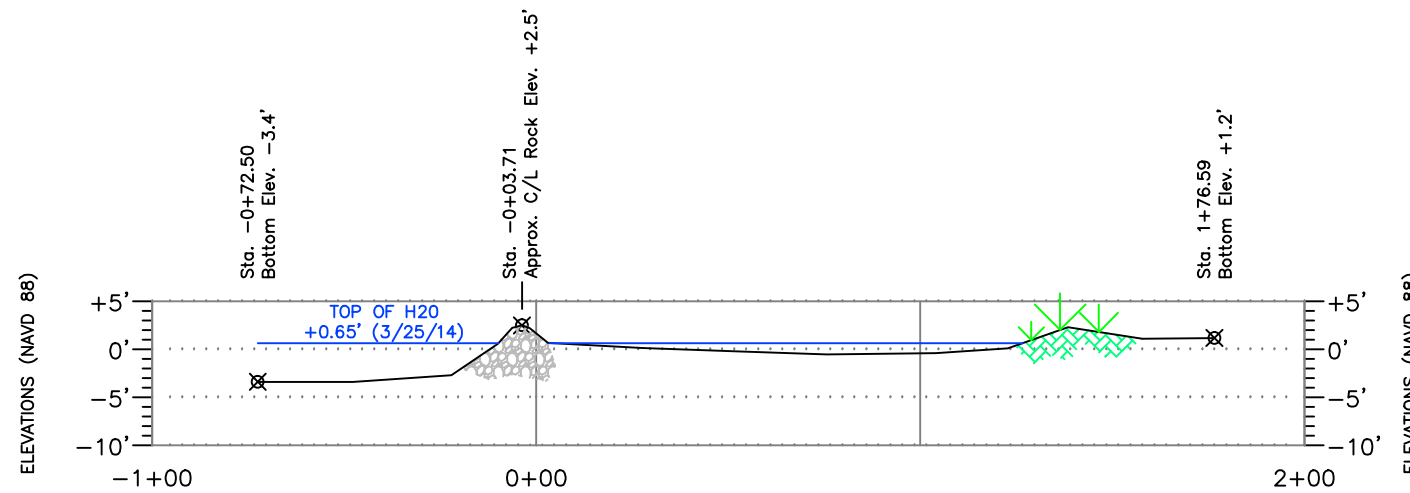
COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (175+51 & 190+71)
 LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
 SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
 LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 15 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	



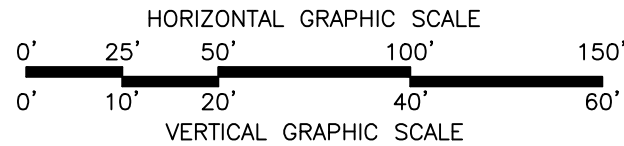
SURVEY TRANSECTS
216+05 - 20 - 2014



SURVEY TRANSECTS
203+43 - 19 - 2014

NOTE:

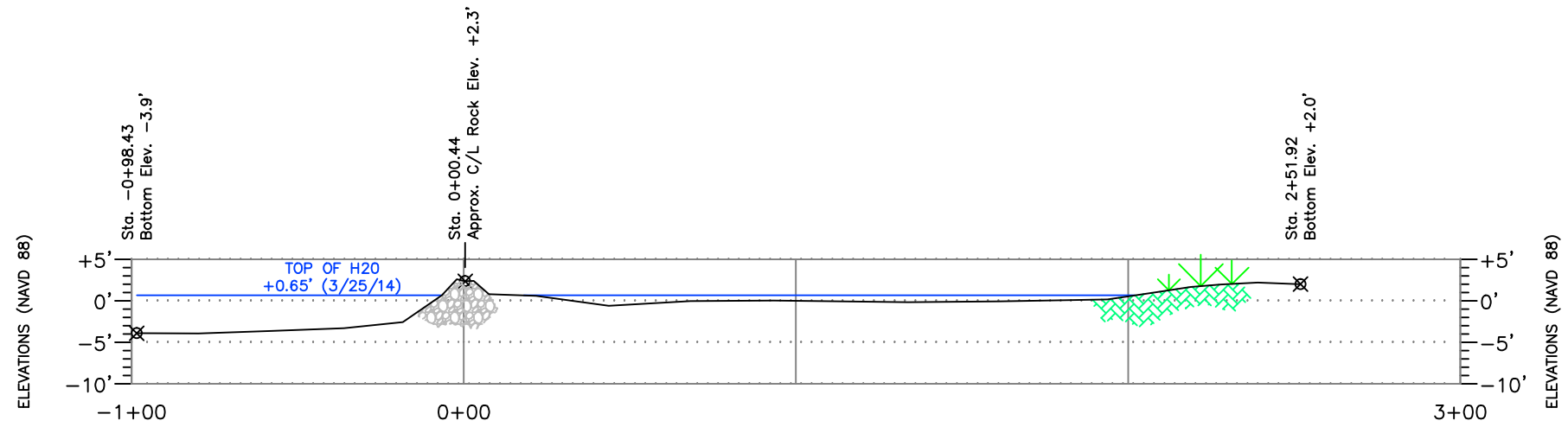
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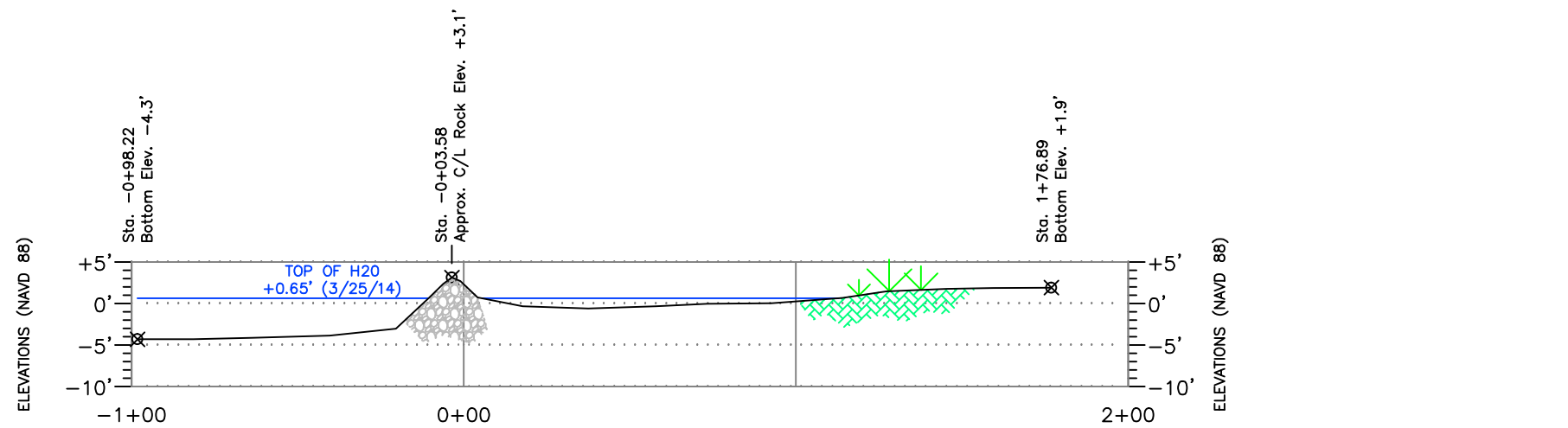
COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (203+43 & 216+05)
LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 16 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	



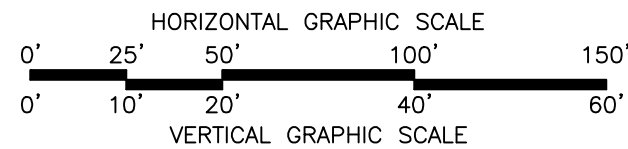
SURVEY TRANSECTS
240+24 - 22 - 2014



SURVEY TRANSECTS
229+62 - 21 - 2014

NOTE:

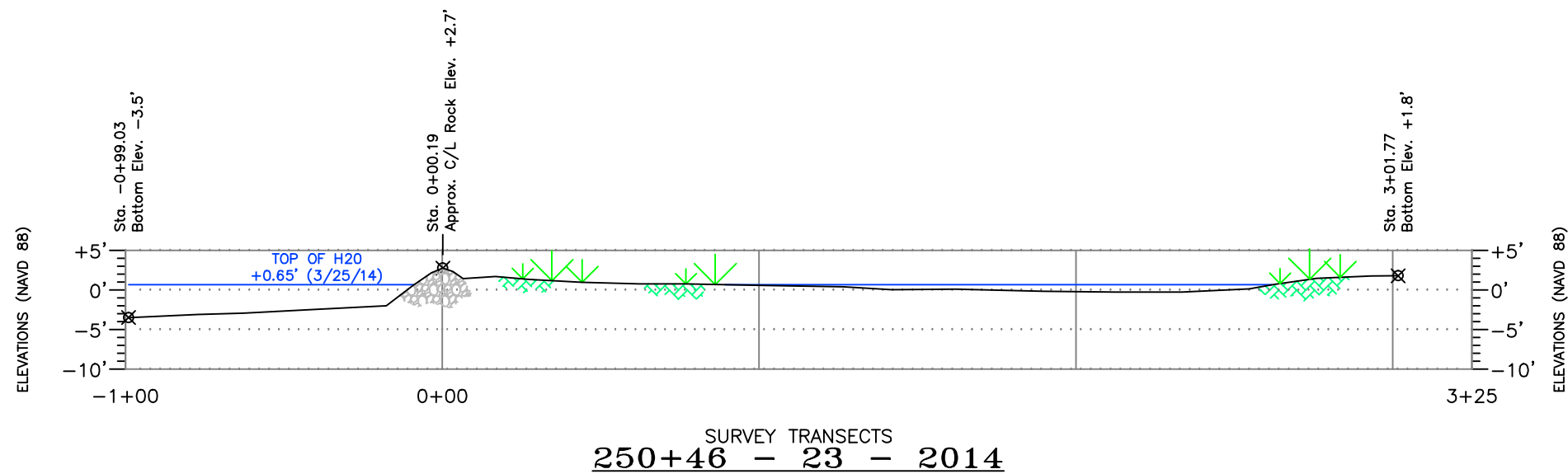
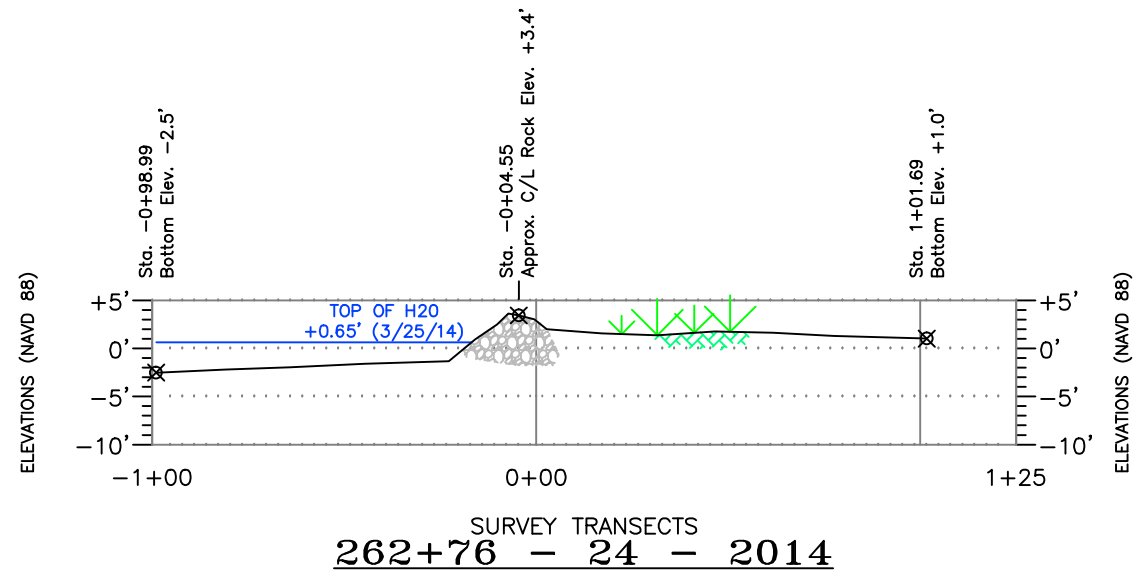
1. SURVEY DATA RECORDED IN MPH FIELD BOOK #1887 PAGES 1-64 & BOOK #1938 PAGES 1-56, AS SHOWN IN SECTION 4 OF THE 2014 POST CONSTRUCTION SURVEY MONITORING REPORT. ALL SURVEY DATA IS RELATIVE TO T.B.M. R/R SPIKE HAVING THE COORDINATES N=349553.65, E=3642771.67 LA-SOUTH (NAD83) & ELEVATION=3.69' (NAVD88) USING GEOID MODEL 2003U07 (LOUISIANA). T.B.M. WAS CHECKED TO BA-37-SM-01 & BA 37-SM-02 HAVING THE ADJUSTED COORDINATES AS DESCRIBED IN SECTION 1.6 OF THE 2014 REPORT.



COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

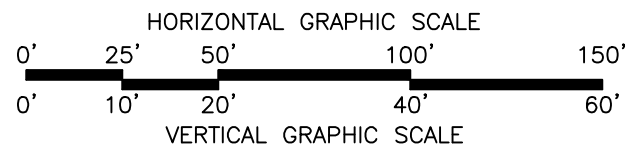
ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (229+62 & 240+24)
LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 17 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	



NOTE:

1. SURVEY DATA RECORDED IN MPH FIELD BOOK #1887 PAGES 1-64 & BOOK #1938 PAGES 1-56, AS SHOWN IN SECTION 4 OF THE 2014 POST CONSTRUCTION SURVEY MONITORING REPORT. ALL SURVEY DATA IS RELATIVE TO T.B.M. R/R SPIKE HAVING THE COORDINATES N=349553.65, E=3642771.67 LA-SOUTH (NAD83) & ELEVATION=3.69' (NAVD88) USING GEOID MODEL 2003U07 (LOUISIANA). T.B.M. WAS CHECKED TO BA-37-SM-01 & BA 37-SM-02 HAVING THE ADJUSTED COORDINATES AS DESCRIBED IN SECTION 1.6 OF THE 2014 REPORT.



mph
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COASTAL PROTECTION & RESTORATION AUTHORITY OF LOUISIANA

ROCK DIKE ALIGNMENT SURVEY - TRANSECTS (250+46 & 262+76)
LITTLE LAKE SHORELINE PROTECTION & MARSH CREATION
SPRING 2014 POST-CONSTRUCTION MONITORING REPORT
LOCATED IN LAFOURCHE PARISH, LOUISIANA

DRAWN BY: TPC	SHEET: 18 OF 18
CHKD./APPD. BY: AJG/GML	SCALE: AS SHOWN
UPDATED BY:	DATE: 4/16/14
DATA BASE: 11025-07	JOB NO. 11025-07
MPH CAD FILE: DWG - 07-18 XSECTS AT PLATES.DWG	

SECTION 3

2014 Survey Point Data

The point data was compiled into an ASCII formatted point list and includes the following surveys:

- 3.1 Settlement Plate Elevations (see attached for point numbers)
- 3.2 Rock Dike Profile (see attached for point numbers)
- 3.3 Rock Dike Transects (see attached for point numbers)

The 2014 survey point data list includes the point number, x-coordinate, y-coordinate, elevation and description. The point data is referenced to the Louisiana State Plane Coordinate System, South Zone, U.S. Survey Feet, using Geoid03LA. The horizontal datum is North American Datum of 1983 (NAD83) and the vertical datum is North American Vertical Datum of 1988 (NAVD88). The survey point data includes the following list of points ranging from 9,000-10,516:

Point #	Northing	Easting	Elevation	Description
10151	365,351.91	3,636,018.180	5.66	SETTLEMENT PLATE 01 (2014 Survey)
10179	365,149.03	3,636,952.300	3.43	SETTLEMENT PLATE 02 (2014 Survey)
10443	365,262.60	3,637,966.290	4.82	SETTLEMENT PLATE 03 (2014 Survey)
10562	365,336.75	3,638,980.060	4.34	SETTLEMENT PLATE 04 (2014 Survey)
10480	365,389.91	3,640,011.520	5.59	SETTLEMENT PLATE 05 (2014 Survey)
10413	365,545.33	3,640,837.850	4.51	SETTLEMENT PLATE 06 (2014 Survey)
10391	365,116.32	3,641,311.560	3.90	SETTLEMENT PLATE 07 (2014 Survey)
10356	364,094.83	3,641,610.150	5.19	SETTLEMENT PLATE 08 (2014 Survey)
10322	363,206.76	3,642,045.880	5.76	SETTLEMENT PLATE 09 (2014 Survey)
10284	362,418.98	3,642,638.310	4.97	SETTLEMENT PLATE 10 (2014 Survey)
10252	361,506.63	3,643,205.960	3.64	SETTLEMENT PLATE 11 (2014 Survey)
10221	360,625.83	3,643,684.740	5.50	SETTLEMENT PLATE 12 (2014 Survey)
10124	359,701.55	3,644,077.710	3.07	SETTLEMENT PLATE 13 (2014 Survey)
10095	358,822.35	3,644,635.750	5.31	SETTLEMENT PLATE 14 (2014 Survey)
10060	358,211.47	3,645,429.200	4.77	SETTLEMENT PLATE 15 (2014 Survey)
10034	357,429.12	3,645,745.900	5.75	SETTLEMENT PLATE 16 (2014 Survey)
10001	356,311.57	3,645,754.140	6.13	SETTLEMENT PLATE 17 (2014 Survey)
9932	355,029.32	3,646,434.530	5.48	SETTLEMENT PLATE 18 (2014 Survey)
9901	354,383.18	3,647,436.110	5.81	SETTLEMENT PLATE 19 (2014 Survey)
9863	354,751.71	3,648,618.580	5.24	SETTLEMENT PLATE 20 (2014 Survey)
9822	355,639.92	3,649,474.190	4.33	SETTLEMENT PLATE 21 (2014 Survey)
9778	355,616.21	3,650,529.530	4.02	SETTLEMENT PLATE 22 (2014 Survey)
9752	355,610.78	3,651,547.970	4.67	SETTLEMENT PLATE 23 (2014 Survey)
9678	355,588.48	3,652,776.240	6.38	SETTLEMENT PLATE 24 (2014 Survey)

Point #	Northing	Easting	Elevation	Description
9017	354,383.32	3,647,434.20	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9035	354,749.70	3,648,614.60	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9059	355,589.53	3,652,774.92	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9072	355,610.88	3,651,546.15	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9095	355,616.26	3,650,527.95	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9113	355,639.44	3,649,472.37	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9129	355,024.08	3,646,437.97	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9162	356,302.56	3,645,756.90	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9190	357,419.43	3,645,745.27	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9653	355,338.64	3,653,499.31	-0.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9654	355,346.86	3,653,481.27	-0.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9655	355,357.08	3,653,463.05	-0.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9656	355,364.89	3,653,448.83	-0.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9657	355,367.28	3,653,443.28	-0.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9658	355,370.41	3,653,436.30	-0.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9659	355,372.18	3,653,431.86	-0.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9660	355,373.12	3,653,430.08	1.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9661	355,375.18	3,653,426.17	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9662	355,398.72	3,653,383.29	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9663	355,421.95	3,653,337.90	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9664	355,443.88	3,653,291.56	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9665	355,466.77	3,653,248.24	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9666	355,489.59	3,653,203.52	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9667	355,512.19	3,653,158.74	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9668	355,534.99	3,653,114.97	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9669	355,559.64	3,653,069.67	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9670	355,569.72	3,653,050.88	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9671	355,581.47	3,653,027.89	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9672	355,583.31	3,653,001.16	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9673	355,583.99	3,652,972.50	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9674	355,586.36	3,652,917.89	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9675	355,587.74	3,652,876.16	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9676	355,591.16	3,652,812.28	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9679	355,592.54	3,652,717.85	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9680	355,595.68	3,652,656.84	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9681	355,597.66	3,652,603.29	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9682	355,599.99	3,652,556.30	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9683	355,601.12	3,652,503.60	3.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9684	355,602.67	3,652,452.65	4.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9685	355,604.77	3,652,403.16	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9686	355,605.48	3,652,352.22	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9687	355,606.44	3,652,300.06	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9688	355,609.45	3,652,250.01	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9689	355,611.40	3,652,197.48	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9690	355,613.42	3,652,149.42	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9691	355,614.53	3,652,101.69	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
9731	355,614.06	3,652,090.95	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9732	355,614.20	3,652,082.82	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9733	355,614.58	3,652,072.63	0.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9734	355,614.97	3,652,065.95	-1.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9735	355,614.87	3,652,058.06	-1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9736	355,615.50	3,652,051.67	-1.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9738	355,615.35	3,652,044.72	0.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9739	355,615.09	3,652,036.21	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9740	355,614.62	3,652,029.45	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9741	355,614.37	3,652,018.65	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9742	355,614.22	3,651,992.32	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9743	355,614.18	3,651,929.48	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9744	355,614.34	3,651,868.43	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9745	355,614.42	3,651,814.40	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9746	355,614.14	3,651,769.06	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9747	355,613.92	3,651,721.75	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9748	355,612.99	3,651,668.94	4.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9749	355,612.57	3,651,614.19	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9750	355,612.61	3,651,568.92	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9753	355,611.97	3,651,513.56	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9754	355,611.90	3,651,459.53	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9755	355,611.58	3,651,414.04	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9756	355,611.05	3,651,366.31	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9757	355,611.42	3,651,320.45	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9758	355,610.47	3,651,264.49	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9759	355,610.70	3,651,218.65	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9760	355,610.54	3,651,168.37	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9761	355,610.08	3,651,120.48	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9762	355,610.31	3,651,091.01	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9763	355,610.17	3,651,080.54	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9764	355,609.78	3,651,072.12	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9765	355,605.55	3,651,003.40	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9766	355,605.70	3,650,993.09	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9767	355,606.89	3,650,976.13	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9768	355,607.68	3,650,954.18	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9769	355,608.82	3,650,902.13	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9770	355,609.52	3,650,853.76	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9771	355,610.32	3,650,810.66	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9772	355,611.05	3,650,757.82	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9773	355,612.86	3,650,702.78	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9774	355,613.96	3,650,650.88	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9775	355,615.34	3,650,605.81	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9776	355,617.10	3,650,552.51	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9779	355,618.39	3,650,468.52	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9780	355,618.90	3,650,408.87	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9781	355,620.65	3,650,350.25	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
9782	355,620.98	3,650,302.52	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9783	355,622.68	3,650,254.36	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9784	355,622.33	3,650,197.61	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9788	355,608.82	3,651,062.95	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9789	355,608.55	3,651,052.58	0.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9790	355,607.88	3,651,045.52	-2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9791	355,606.29	3,651,039.85	-3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9792	355,604.75	3,651,028.43	-1.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9794	355,605.74	3,651,023.89	0.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9795	355,605.30	3,651,015.90	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9796	355,624.01	3,650,145.26	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9797	355,625.46	3,650,094.08	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9798	355,625.46	3,650,068.37	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9799	355,625.43	3,650,059.10	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9800	355,624.60	3,650,048.68	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9801	355,625.07	3,650,041.02	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9802	355,626.20	3,650,033.45	0.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9803	355,625.76	3,650,025.68	-2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9804	355,626.24	3,650,019.08	-1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9805	355,624.93	3,650,008.22	-2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9807	355,625.52	3,650,000.83	0.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9808	355,626.22	3,649,993.26	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9809	355,626.78	3,649,980.86	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9810	355,627.18	3,649,968.78	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9811	355,626.84	3,649,948.45	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9812	355,628.26	3,649,896.08	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9813	355,630.23	3,649,847.63	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9814	355,631.21	3,649,793.93	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9815	355,632.32	3,649,746.00	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9816	355,633.58	3,649,697.34	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9817	355,635.21	3,649,646.38	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9818	355,636.48	3,649,594.17	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9819	355,637.35	3,649,550.24	3.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9820	355,638.92	3,649,497.42	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9823	355,641.52	3,649,421.02	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9824	355,642.37	3,649,371.95	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9825	355,644.06	3,649,322.91	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9826	355,645.34	3,649,274.55	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9827	355,645.82	3,649,245.58	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9828	355,647.42	3,649,222.85	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9829	355,647.40	3,649,199.88	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9830	355,639.98	3,649,187.59	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9831	355,627.05	3,649,168.55	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9832	355,589.73	3,649,116.97	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9833	355,562.11	3,649,078.25	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9834	355,554.89	3,649,068.05	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
9835	355,546.10	3,649,056.93	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9836	355,540.22	3,649,049.61	0.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9837	355,538.23	3,649,045.81	-2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9838	355,532.76	3,649,037.40	-2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9839	355,521.69	3,649,025.96	-2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9841	355,517.49	3,649,023.27	0.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9842	355,511.99	3,649,018.00	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9843	355,500.37	3,649,012.02	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9844	355,480.04	3,649,001.58	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9845	355,433.84	3,648,978.35	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9846	355,389.99	3,648,956.28	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9847	355,344.64	3,648,933.97	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9848	355,299.88	3,648,910.84	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9849	355,258.07	3,648,889.43	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9850	355,211.60	3,648,864.69	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9851	355,171.30	3,648,843.93	4.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9852	355,125.55	3,648,819.36	3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9853	355,075.50	3,648,794.66	4.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9854	355,033.18	3,648,772.11	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9855	354,985.84	3,648,748.39	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9856	354,943.44	3,648,727.48	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9857	354,900.21	3,648,705.48	3.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9858	354,858.45	3,648,685.25	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9859	354,808.63	3,648,660.07	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9860	354,788.12	3,648,649.31	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9861	354,761.38	3,648,635.39	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9864	354,743.84	3,648,599.57	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9865	354,734.60	3,648,579.88	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9866	354,712.85	3,648,529.42	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9867	354,688.08	3,648,475.66	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9868	354,667.02	3,648,427.94	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9869	354,640.55	3,648,369.67	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9870	354,618.64	3,648,322.57	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9871	354,593.05	3,648,265.91	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9872	354,570.99	3,648,216.58	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9873	354,525.85	3,648,116.63	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9874	354,503.05	3,648,064.89	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9875	354,482.87	3,648,018.19	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9876	354,458.92	3,647,965.29	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9877	354,439.15	3,647,920.43	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9878	354,417.68	3,647,872.40	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9879	354,410.04	3,647,855.68	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9880	354,402.62	3,647,839.92	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9881	354,396.87	3,647,829.06	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9882	354,394.73	3,647,822.34	0.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9883	354,395.73	3,647,815.85	-2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
9884	354,395.11	3,647,810.62	-3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9885	354,392.77	3,647,791.82	-3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9886	354,395.94	3,647,785.60	0.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9887	354,395.02	3,647,779.17	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9889	354,395.62	3,647,766.52	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9890	354,395.16	3,647,748.94	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9891	354,394.90	3,647,724.49	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9892	354,392.54	3,647,672.44	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9893	354,391.23	3,647,625.40	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9894	354,388.79	3,647,572.29	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9895	354,386.71	3,647,522.31	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9899	354,384.51	3,647,470.78	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9902	354,380.41	3,647,370.92	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9903	354,378.78	3,647,321.63	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9904	354,376.59	3,647,272.16	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9905	354,375.14	3,647,224.42	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9906	354,371.98	3,647,171.35	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9907	354,370.54	3,647,123.08	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9908	354,368.09	3,647,070.25	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9909	354,370.44	3,647,055.36	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9910	354,373.15	3,647,044.91	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9912	354,377.93	3,647,035.21	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9913	354,383.93	3,647,026.00	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9914	354,421.14	3,646,990.75	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9915	354,458.74	3,646,955.81	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9916	354,496.02	3,646,922.61	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9917	354,532.53	3,646,889.11	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9918	354,569.64	3,646,854.40	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9919	354,607.51	3,646,819.92	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9920	354,643.41	3,646,787.27	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9921	354,679.57	3,646,753.37	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9922	354,715.34	3,646,721.62	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9923	354,748.84	3,646,691.04	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9924	354,788.90	3,646,654.84	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9925	354,825.56	3,646,621.12	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9926	354,862.45	3,646,586.91	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9927	354,897.65	3,646,554.67	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9928	354,938.16	3,646,518.80	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9929	354,974.00	3,646,484.98	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9930	355,012.63	3,646,449.88	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9933	355,068.27	3,646,396.93	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9934	355,102.27	3,646,365.70	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
9935	355,140.07	3,646,331.58	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9936	355,176.47	3,646,297.98	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9937	355,215.88	3,646,261.17	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9938	355,249.63	3,646,230.96	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
9939	355,288.48	3,646,195.12	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9940	355,323.89	3,646,161.96	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9941	355,360.46	3,646,127.10	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9942	355,394.48	3,646,095.89	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9943	355,432.77	3,646,060.56	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
9944	355,465.97	3,646,030.87	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9945	355,507.50	3,645,992.19	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9946	355,539.23	3,645,962.36	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9947	355,580.95	3,645,924.85	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9948	355,600.04	3,645,906.46	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9949	355,618.90	3,645,889.67	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9950	355,633.27	3,645,876.90	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9951	355,643.09	3,645,867.52	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9952	355,653.83	3,645,857.43	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9953	355,661.66	3,645,850.37	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
9954	355,668.50	3,645,845.18	1.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9955	355,675.55	3,645,843.02	-1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9956	355,680.57	3,645,841.12	-2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9957	355,696.17	3,645,835.62	-2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9959	355,701.52	3,645,834.75	1.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9960	355,707.82	3,645,834.60	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9961	355,715.90	3,645,834.38	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9962	355,729.42	3,645,832.38	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9963	355,757.21	3,645,829.22	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
9964	355,803.75	3,645,822.82	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9965	355,858.27	3,645,815.31	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
9966	355,906.17	3,645,808.97	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
9967	355,961.12	3,645,801.15	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9968	356,004.95	3,645,795.96	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
9995	356,052.58	3,645,789.21	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9996	356,104.94	3,645,782.64	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
9997	356,157.01	3,645,776.20	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
9998	356,209.40	3,645,769.53	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
9999	356,256.39	3,645,763.29	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10002	356,364.79	3,645,747.90	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10003	356,410.23	3,645,741.38	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10004	356,464.83	3,645,734.09	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10005	356,509.88	3,645,728.08	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10006	356,560.50	3,645,720.95	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10007	356,606.01	3,645,714.88	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10008	356,648.09	3,645,709.34	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10009	356,706.99	3,645,700.72	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10010	356,756.59	3,645,693.75	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10011	356,804.13	3,645,688.27	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10012	356,829.52	3,645,684.82	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10013	356,852.43	3,645,682.18	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10014	356,869.60	3,645,680.57	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10015	356,882.32	3,645,679.50	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10016	356,892.24	3,645,678.40	1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10017	356,898.61	3,645,679.02	-2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10018	356,904.25	3,645,678.96	-2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10019	356,917.02	3,645,678.09	-2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10021	356,924.81	3,645,680.27	1.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10022	356,932.94	3,645,681.79	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10023	356,945.44	3,645,683.92	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10024	356,972.34	3,645,688.32	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10025	357,014.57	3,645,693.65	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10026	357,070.26	3,645,700.04	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10027	357,119.43	3,645,706.10	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10028	357,168.29	3,645,712.82	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10029	357,222.10	3,645,720.26	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10030	357,271.90	3,645,727.12	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10031	357,319.66	3,645,733.75	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10032	357,375.06	3,645,740.25	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10035	357,483.57	3,645,754.38	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10036	357,527.28	3,645,758.55	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10037	357,579.91	3,645,766.27	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10038	357,626.96	3,645,772.20	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10039	357,679.39	3,645,778.94	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10040	357,722.81	3,645,784.18	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10041	357,772.96	3,645,791.56	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10042	357,820.26	3,645,797.50	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10043	357,874.82	3,645,805.38	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10044	357,896.41	3,645,808.21	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10045	357,911.29	3,645,810.47	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10046	357,928.70	3,645,813.26	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10047	357,938.16	3,645,814.35	1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10048	357,974.18	3,645,796.34	1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10049	357,979.97	3,645,788.91	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10050	357,987.61	3,645,776.41	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10051	358,005.41	3,645,749.13	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10052	358,033.32	3,645,705.09	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10053	358,062.07	3,645,660.34	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10054	358,088.43	3,645,620.59	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10055	358,116.07	3,645,579.02	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10056	358,143.02	3,645,536.62	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10057	358,170.06	3,645,493.91	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10058	358,194.56	3,645,455.63	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10059	358,211.82	3,645,429.42	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10061	358,238.15	3,645,389.23	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10062	358,265.84	3,645,346.85	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10063	358,295.06	3,645,301.18	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10064	358,320.42	3,645,262.50	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10065	358,349.86	3,645,218.02	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10066	358,377.43	3,645,175.68	3.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10067	358,404.79	3,645,134.90	4.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10068	358,419.03	3,645,111.98	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10069	358,429.20	3,645,095.64	3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10070	358,436.52	3,645,085.89	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10071	358,445.17	3,645,072.00	4.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10072	358,447.48	3,645,068.03	1.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10076	358,448.99	3,645,063.68	-2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10077	358,452.96	3,645,057.68	-3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10078	358,459.36	3,645,050.52	-2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10080	358,463.08	3,645,047.65	1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10081	358,467.45	3,645,041.28	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10082	358,477.18	3,645,030.46	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10083	358,484.63	3,645,021.85	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10084	358,497.92	3,645,006.04	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10085	358,532.39	3,644,966.16	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10086	358,561.84	3,644,931.26	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10087	358,597.94	3,644,891.62	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10088	358,630.25	3,644,855.71	3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10089	358,663.86	3,644,817.18	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10090	358,694.30	3,644,782.89	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10091	358,729.32	3,644,743.62	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10092	358,761.50	3,644,705.95	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10093	358,794.85	3,644,667.92	3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10094	358,822.67	3,644,635.57	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10096	358,856.35	3,644,596.60	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10097	358,889.15	3,644,559.87	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10098	358,922.34	3,644,521.73	3.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10099	358,954.16	3,644,485.89	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10100	358,989.12	3,644,443.99	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10101	359,021.13	3,644,408.12	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10102	359,054.82	3,644,369.75	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10103	359,086.15	3,644,333.77	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10104	359,120.40	3,644,293.89	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10105	359,147.23	3,644,261.89	3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10106	359,156.05	3,644,251.31	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10107	359,167.02	3,644,239.19	3.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10108	359,173.79	3,644,230.81	4.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10109	359,181.32	3,644,222.02	1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10110	359,222.71	3,644,194.59	1.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10111	359,232.14	3,644,190.79	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10112	359,244.57	3,644,188.64	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10113	359,260.60	3,644,184.46	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10114	359,279.21	3,644,180.01	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10115	359,327.62	3,644,168.38	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10116	359,375.63	3,644,156.85	3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10117	359,426.21	3,644,144.73	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10118	359,473.24	3,644,132.98	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10119	359,523.65	3,644,121.17	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10120	359,570.87	3,644,110.26	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10121	359,619.41	3,644,098.84	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10122	359,666.09	3,644,086.97	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10123	359,701.98	3,644,078.68	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10125	359,762.38	3,644,064.70	3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10126	359,814.64	3,644,051.64	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10127	359,860.21	3,644,039.97	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10128	359,910.72	3,644,028.15	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10129	359,958.81	3,644,016.27	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10130	360,007.92	3,644,004.70	3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10131	360,057.15	3,643,992.08	3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10132	360,106.80	3,643,980.32	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10133	360,146.27	3,643,969.74	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10134	360,156.27	3,643,967.12	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10135	360,169.46	3,643,963.00	4.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10138	365,413.34	3,635,595.62	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10139	365,412.26	3,635,602.58	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10140	365,410.91	3,635,611.19	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10141	365,408.67	3,635,627.86	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10142	365,406.33	3,635,646.83	3.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10143	365,399.11	3,635,696.30	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10144	365,391.84	3,635,745.95	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10145	365,384.78	3,635,795.08	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10146	365,378.03	3,635,842.51	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10147	365,371.32	3,635,893.81	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10148	365,364.08	3,635,944.01	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10149	365,356.40	3,635,995.78	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10152	365,348.23	3,636,049.81	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10153	365,342.96	3,636,092.61	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10154	365,335.02	3,636,141.52	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10155	365,327.65	3,636,191.30	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10156	365,320.42	3,636,240.57	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10157	365,313.94	3,636,290.77	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10158	365,307.09	3,636,339.11	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10159	365,299.42	3,636,389.66	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10160	365,297.40	3,636,400.21	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10161	365,296.33	3,636,410.02	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10162	365,293.23	3,636,424.03	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10164	365,269.54	3,636,485.07	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10165	365,266.30	3,636,496.12	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10166	365,263.44	3,636,504.46	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10167	365,256.61	3,636,523.23	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10168	365,238.08	3,636,569.47	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10169	365,218.81	3,636,616.31	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10170	365,200.44	3,636,662.86	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10171	365,183.06	3,636,707.66	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10172	365,162.41	3,636,757.20	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10173	365,153.66	3,636,780.94	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10174	365,142.72	3,636,808.05	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10175	365,143.25	3,636,824.85	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10176	365,144.61	3,636,849.67	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10177	365,146.52	3,636,901.11	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10178	365,149.73	3,636,952.60	1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10180	365,152.00	3,637,003.85	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10181	365,154.62	3,637,049.92	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10182	365,156.85	3,637,102.11	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10183	365,160.19	3,637,151.96	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10184	365,162.98	3,637,202.62	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10185	365,165.01	3,637,249.32	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10186	365,166.53	3,637,299.04	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10187	365,169.45	3,637,348.85	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10188	365,171.80	3,637,399.00	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10189	365,173.72	3,637,428.47	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10190	365,174.46	3,637,438.08	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10191	365,175.12	3,637,445.28	1.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10196	359,189.25	3,644,216.87	-1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10197	359,192.83	3,644,212.19	-3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10198	359,210.32	3,644,199.94	-3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10199	359,214.46	3,644,197.92	-2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10201	360,183.95	3,643,959.33	1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10202	360,190.60	3,643,956.97	-3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10203	360,195.15	3,643,954.59	-4.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10204	360,204.04	3,643,951.06	-3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10206	360,211.14	3,643,948.31	1.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10207	360,219.71	3,643,944.71	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10208	360,228.93	3,643,939.01	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10209	360,239.06	3,643,933.11	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10210	360,256.38	3,643,921.86	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10211	360,274.11	3,643,909.75	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10212	360,322.36	3,643,879.24	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10213	360,357.54	3,643,856.97	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10214	360,398.63	3,643,831.49	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10215	360,443.39	3,643,802.35	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10216	360,482.31	3,643,777.63	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10217	360,525.24	3,643,748.79	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10218	360,565.65	3,643,723.19	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10219	360,606.54	3,643,697.51	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10220	360,626.31	3,643,684.68	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10222	360,670.69	3,643,655.70	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10223	360,711.98	3,643,628.95	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10224	360,755.61	3,643,602.12	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10225	360,796.03	3,643,575.90	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10226	360,839.38	3,643,547.72	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10227	360,880.84	3,643,520.61	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10228	360,922.53	3,643,494.07	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10229	360,966.72	3,643,464.86	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10230	360,989.77	3,643,449.89	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10231	361,007.21	3,643,438.19	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10232	361,023.79	3,643,427.07	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10233	361,033.58	3,643,420.86	1.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10234	361,037.43	3,643,417.92	-1.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10235	361,043.26	3,643,413.10	-3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10236	361,059.00	3,643,406.71	-3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10237	361,063.75	3,643,439.98	4.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10238	361,063.96	3,643,403.53	1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10239	361,072.69	3,643,399.55	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10240	361,081.83	3,643,395.76	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10241	361,093.06	3,643,390.66	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10242	361,107.63	3,643,383.65	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10243	361,155.75	3,643,363.01	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10244	361,201.20	3,643,342.70	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10245	361,247.59	3,643,321.86	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10246	361,287.94	3,643,303.96	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10247	361,338.55	3,643,281.22	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10248	361,381.28	3,643,261.86	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10249	361,427.35	3,643,240.56	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10250	361,470.23	3,643,222.24	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10251	361,507.58	3,643,205.76	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10253	361,568.84	3,643,177.74	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10254	361,609.56	3,643,158.95	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10255	361,650.90	3,643,140.15	3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10256	361,702.63	3,643,116.57	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10257	361,746.02	3,643,097.20	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10258	361,792.30	3,643,075.96	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10259	361,835.93	3,643,056.22	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10260	361,883.73	3,643,036.05	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10261	361,922.87	3,643,019.13	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10262	361,943.63	3,643,009.53	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10263	361,957.22	3,643,002.79	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10264	361,967.95	3,642,996.66	1.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10265	361,972.07	3,642,992.68	-2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10266	361,975.68	3,642,989.59	-4.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10267	361,991.61	3,642,978.60	-1.7	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10269	361,996.66	3,642,976.92	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10270	362,000.74	3,642,973.77	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10271	362,008.72	3,642,967.22	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10272	362,016.37	3,642,960.67	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10273	362,035.59	3,642,946.06	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10274	362,075.96	3,642,913.02	3.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10275	362,114.74	3,642,882.66	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10276	362,157.46	3,642,849.38	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10277	362,190.69	3,642,821.90	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10278	362,232.34	3,642,787.76	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10279	362,267.61	3,642,759.86	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10280	362,308.58	3,642,727.72	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10281	362,348.69	3,642,696.00	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10282	362,387.00	3,642,665.15	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10283	362,419.56	3,642,638.55	1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10285	362,460.40	3,642,605.12	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10286	362,504.65	3,642,568.98	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10287	362,544.03	3,642,537.16	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10288	362,582.00	3,642,506.10	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10289	362,621.33	3,642,474.63	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10290	362,660.99	3,642,445.61	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10291	362,706.11	3,642,409.66	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10295	362,745.81	3,642,377.21	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10296	362,787.57	3,642,345.17	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10297	362,801.88	3,642,333.41	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10298	362,817.65	3,642,320.86	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10299	362,829.24	3,642,309.94	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10300	362,839.63	3,642,301.98	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10301	362,844.65	3,642,298.58	-2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10302	362,850.31	3,642,294.98	-2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10303	362,853.50	3,642,291.65	-1.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10305	362,857.93	3,642,288.85	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10306	362,860.48	3,642,288.03	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10307	362,870.35	3,642,281.57	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10308	362,880.09	3,642,275.67	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10309	362,893.19	3,642,265.86	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10310	362,933.52	3,642,236.82	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10312	362,977.21	3,642,206.57	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10313	363,016.49	3,642,179.09	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10314	363,057.28	3,642,150.17	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10315	363,069.76	3,642,141.53	1.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10316	363,078.79	3,642,134.97	1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10317	363,087.35	3,642,129.73	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10318	363,097.26	3,642,122.54	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10319	363,110.70	3,642,113.31	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10320	363,148.60	3,642,087.71	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10321	363,207.21	3,642,046.74	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10323	363,249.12	3,642,017.73	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10324	363,282.03	3,641,993.61	1.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10325	363,295.84	3,641,983.35	1.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10326	363,323.67	3,641,963.42	1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10327	363,340.00	3,641,951.53	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10328	363,372.04	3,641,929.83	1.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10329	363,412.63	3,641,901.30	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10330	363,453.69	3,641,874.00	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10331	363,495.92	3,641,843.14	1.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10332	363,510.67	3,641,833.41	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10333	363,529.86	3,641,819.51	1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10334	363,548.93	3,641,805.36	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10335	363,557.92	3,641,799.72	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10336	363,561.62	3,641,793.95	-1.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10337	363,565.53	3,641,788.15	-2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10338	363,574.53	3,641,776.99	-2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10340	363,578.96	3,641,771.63	1.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10341	363,580.11	3,641,770.78	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10342	363,589.95	3,641,767.14	1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10343	363,601.23	3,641,762.91	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10344	363,629.77	3,641,753.50	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10345	363,647.61	3,641,747.94	1.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10346	363,677.28	3,641,739.02	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10347	363,726.60	3,641,725.35	1.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10348	363,773.51	3,641,709.79	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10349	363,819.23	3,641,695.06	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10350	363,869.52	3,641,680.34	1.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10351	363,916.97	3,641,664.82	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10352	363,965.31	3,641,648.67	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10353	364,010.81	3,641,634.46	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10354	364,061.28	3,641,618.95	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10355	364,094.31	3,641,610.09	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10357	364,151.58	3,641,592.77	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10358	364,202.85	3,641,576.88	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10359	364,238.54	3,641,566.31	1.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10360	364,253.26	3,641,561.86	1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10361	364,292.88	3,641,550.10	1.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10362	364,346.18	3,641,533.65	1.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10363	364,395.98	3,641,517.95	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10364	364,452.24	3,641,500.12	1.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10365	364,489.48	3,641,489.29	1.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10369	364,548.43	3,641,470.31	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10370	364,587.61	3,641,459.74	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10371	364,602.78	3,641,455.68	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10372	364,615.98	3,641,452.10	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10373	364,628.25	3,641,448.30	1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10374	364,634.46	3,641,449.21	-1.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10375	364,641.84	3,641,449.49	-3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10376	364,655.07	3,641,447.04	-1.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10378	364,662.66	3,641,445.61	1.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10379	364,670.98	3,641,443.87	3.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10380	364,684.67	3,641,440.15	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10381	364,696.00	3,641,437.01	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10382	364,722.86	3,641,428.35	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10383	364,779.25	3,641,411.79	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10384	364,838.51	3,641,395.02	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10385	364,886.26	3,641,381.52	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10386	364,934.18	3,641,368.07	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10387	364,984.82	3,641,353.61	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10388	365,038.66	3,641,337.44	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10389	365,083.66	3,641,323.32	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10390	365,116.26	3,641,312.98	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10392	365,169.42	3,641,297.13	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10393	365,222.48	3,641,281.05	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10394	365,272.76	3,641,267.28	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10395	365,318.75	3,641,253.60	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10396	365,369.93	3,641,237.79	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10397	365,415.90	3,641,225.92	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10398	365,461.60	3,641,214.25	3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10399	365,512.26	3,641,199.71	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10400	365,538.52	3,641,192.31	3.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10401	365,554.91	3,641,187.32	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10402	365,578.41	3,641,180.50	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10403	365,591.71	3,641,177.11	3.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10404	365,627.62	3,641,137.78	1.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10405	365,624.57	3,641,129.01	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10406	365,622.12	3,641,116.57	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10407	365,617.08	3,641,099.22	3.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10408	365,604.09	3,641,050.93	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10409	365,591.25	3,641,004.75	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10410	365,577.35	3,640,954.45	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10411	365,565.58	3,640,911.04	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10412	365,546.31	3,640,836.48	3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10414	365,539.44	3,640,809.39	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10415	365,526.42	3,640,759.39	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10416	365,514.44	3,640,713.91	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10417	365,500.08	3,640,663.11	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10418	365,487.56	3,640,615.74	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10419	365,478.98	3,640,585.43	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10420	365,473.63	3,640,566.54	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10421	365,467.90	3,640,546.83	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10422	365,466.57	3,640,542.87	1.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10426	365,175.41	3,637,454.13	-2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10427	365,176.83	3,637,460.53	-2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10428	365,179.32	3,637,475.48	-2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10429	365,178.90	3,637,481.00	1.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10430	365,181.16	3,637,489.55	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10431	365,183.20	3,637,498.55	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10432	365,184.71	3,637,507.20	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10433	365,186.91	3,637,524.22	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10434	365,197.61	3,637,587.09	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10435	365,207.02	3,637,641.22	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10436	365,215.89	3,637,691.80	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10437	365,224.53	3,637,741.08	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10438	365,233.56	3,637,794.15	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10439	365,241.48	3,637,840.18	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10440	365,250.32	3,637,891.91	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10441	365,258.48	3,637,937.91	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10442	365,263.67	3,637,965.98	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10444	365,267.83	3,637,988.67	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10445	365,275.77	3,638,036.53	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10446	365,285.45	3,638,092.68	2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10447	365,293.08	3,638,135.90	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10448	365,302.55	3,638,187.27	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10449	365,310.64	3,638,232.98	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10450	365,319.62	3,638,282.71	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10451	365,328.44	3,638,334.97	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10452	365,337.25	3,638,385.43	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10453	365,339.99	3,638,403.87	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10454	365,341.67	3,638,415.88	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10455	365,343.52	3,638,427.91	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10456	365,345.66	3,638,450.58	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10457	365,347.17	3,638,459.15	1.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10461	365,462.71	3,640,536.14	-2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10462	365,460.82	3,640,529.12	-1.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10463	365,455.50	3,640,519.43	-2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10465	365,455.08	3,640,510.83	0.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10466	365,453.09	3,640,506.18	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10467	365,451.40	3,640,497.74	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10468	365,450.28	3,640,487.30	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10469	365,446.69	3,640,467.13	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10470	365,443.95	3,640,448.69	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10471	365,436.77	3,640,393.69	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10472	365,431.72	3,640,346.61	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10473	365,425.17	3,640,292.89	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10474	365,419.96	3,640,245.73	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10475	365,414.95	3,640,196.50	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10476	365,409.17	3,640,147.61	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10477	365,402.31	3,640,094.21	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10478	365,396.15	3,640,049.92	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10481	365,390.10	3,639,996.83	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10482	365,384.69	3,639,949.91	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10483	365,377.74	3,639,897.23	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10484	365,370.57	3,639,849.74	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10485	365,363.56	3,639,799.72	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10486	365,357.25	3,639,752.75	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10487	365,350.84	3,639,701.27	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10488	365,345.82	3,639,653.66	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10489	365,338.56	3,639,603.04	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10490	365,333.81	3,639,580.03	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10491	365,330.82	3,639,559.10	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10492	365,328.97	3,639,546.22	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10493	365,327.53	3,639,536.06	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10494	365,325.06	3,639,516.61	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10495	365,323.73	3,639,508.90	0.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10516	357,944.71	3,645,813.67	-2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10517	357,955.71	3,645,810.84	-3.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10518	357,963.31	3,645,806.75	-3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10519	357,970.57	3,645,802.00	-3.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10520	365,604.19	3,641,173.90	0.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10529	365,630.22	3,641,146.28	0.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10537	365,606.99	3,641,166.60	-2.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10538	365,613.02	3,641,163.93	-4.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10539	365,617.70	3,641,157.27	-3.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10540	365,625.50	3,641,155.04	-3.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10544	365,323.60	3,639,506.47	-1.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10545	365,322.08	3,639,498.97	-2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10546	365,321.95	3,639,484.44	-2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10548	365,322.90	3,639,479.63	0.9	Sect 3.2 - Rock Dike Profile (2014 Survey)
10549	365,321.82	3,639,476.32	2.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10550	365,323.24	3,639,464.73	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10551	365,322.98	3,639,453.23	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10552	365,323.40	3,639,431.08	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10553	365,325.49	3,639,380.18	2.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10554	365,327.70	3,639,328.03	2.5	Sect 3.2 - Rock Dike Profile (2014 Survey)
10555	365,328.64	3,639,281.23	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10556	365,329.73	3,639,230.77	2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10557	365,332.16	3,639,181.36	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10558	365,333.14	3,639,133.61	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10559	365,335.49	3,639,083.60	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10560	365,337.37	3,639,033.06	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10561	365,338.31	3,638,979.49	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10563	365,339.86	3,638,932.03	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
10564	365,341.20	3,638,880.77	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10565	365,342.03	3,638,828.39	2.2	Sect 3.2 - Rock Dike Profile (2014 Survey)
10566	365,343.26	3,638,778.72	1.8	Sect 3.2 - Rock Dike Profile (2014 Survey)
10567	365,344.97	3,638,729.42	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10568	365,346.95	3,638,679.10	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10569	365,348.12	3,638,628.60	2.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10570	365,349.43	3,638,579.23	1.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10571	365,350.16	3,638,548.79	2.3	Sect 3.2 - Rock Dike Profile (2014 Survey)
10572	365,349.98	3,638,530.96	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10573	365,350.18	3,638,514.63	2.6	Sect 3.2 - Rock Dike Profile (2014 Survey)
10574	365,349.95	3,638,494.08	2.7	Sect 3.2 - Rock Dike Profile (2014 Survey)
10575	365,349.82	3,638,488.80	1.0	Sect 3.2 - Rock Dike Profile (2014 Survey)
10576	365,350.69	3,638,485.18	-2.4	Sect 3.2 - Rock Dike Profile (2014 Survey)
10577	365,350.22	3,638,477.71	-5.1	Sect 3.2 - Rock Dike Profile (2014 Survey)
10578	365,348.59	3,638,463.62	-1.8	Sect 3.2 - Rock Dike Profile (2014 Survey)

Point #	Northing	Easting	Elevation	Description
9586	365,441.14	3,636,032.15	-5.1	Transect 1 (2014 Survey)
9587	365,419.10	3,636,028.75	-5.0	Transect 1 (2014 Survey)
9588	365,404.43	3,636,026.23	-4.7	Transect 1 (2014 Survey)
9589	365,381.04	3,636,022.67	-3.8	Transect 1 (2014 Survey)
9590	365,366.59	3,636,020.07	-1.9	Transect 1 (2014 Survey)
9591	365,360.64	3,636,018.96	1.0	Transect 1 (2014 Survey)
9592	365,356.02	3,636,018.94	2.4	Transect 1 (2014 Survey)
9593	365,353.61	3,636,018.23	2.9	Transect 1 (2014 Survey)
9595	365,346.27	3,636,017.02	0.5	Transect 1 (2014 Survey)
9598	365,322.66	3,636,013.86	-1.1	Transect 1 (2014 Survey)
9599	365,305.43	3,636,010.92	-1.2	Transect 1 (2014 Survey)
9600	365,278.84	3,636,006.60	-1.6	Transect 1 (2014 Survey)
10150	365,352.99	3,636,018.37	2.9	Transect 1 (2014 Survey)
9569	365,239.41	3,636,945.39	-4.3	Transect 2 (2014 Survey)
9570	365,223.11	3,636,945.69	-4.2	Transect 2 (2014 Survey)
9571	365,206.79	3,636,946.95	-4.0	Transect 2 (2014 Survey)
9572	365,182.83	3,636,948.43	-3.5	Transect 2 (2014 Survey)
9573	365,165.30	3,636,949.06	-2.7	Transect 2 (2014 Survey)
9574	365,156.59	3,636,949.68	0.6	Transect 2 (2014 Survey)
9575	365,152.00	3,636,949.90	2.2	Transect 2 (2014 Survey)
9576	365,149.49	3,636,949.88	2.5	Transect 2 (2014 Survey)
9577	365,147.07	3,636,950.28	1.6	Transect 2 (2014 Survey)
9578	365,143.66	3,636,950.26	0.7	Transect 2 (2014 Survey)
9580	365,132.03	3,636,950.94	-0.8	Transect 2 (2014 Survey)
9581	365,118.87	3,636,951.80	-1.2	Transect 2 (2014 Survey)
9582	365,100.64	3,636,952.96	-1.3	Transect 2 (2014 Survey)
9583	365,077.38	3,636,953.59	-1.4	Transect 2 (2014 Survey)
9584	365,057.97	3,636,954.94	-1.7	Transect 2 (2014 Survey)
9585	365,039.38	3,636,956.01	-2.1	Transect 2 (2014 Survey)
9527	365,351.00	3,637,947.38	-4.3	Transect 3 (2014 Survey)
9529	365,309.38	3,637,955.66	-4.0	Transect 3 (2014 Survey)
9530	365,292.96	3,637,958.16	-3.7	Transect 3 (2014 Survey)
9531	365,283.38	3,637,959.79	-3.4	Transect 3 (2014 Survey)
9532	365,274.71	3,637,961.45	-2.2	Transect 3 (2014 Survey)
9533	365,270.03	3,637,961.75	0.7	Transect 3 (2014 Survey)
9534	365,265.19	3,637,962.62	2.4	Transect 3 (2014 Survey)
9535	365,262.78	3,637,963.00	2.1	Transect 3 (2014 Survey)
9536	365,259.84	3,637,963.50	2.2	Transect 3 (2014 Survey)
9537	365,255.91	3,637,964.20	0.7	Transect 3 (2014 Survey)
9539	365,245.93	3,637,965.66	-0.4	Transect 3 (2014 Survey)
9540	365,226.48	3,637,969.84	-0.2	Transect 3 (2014 Survey)
9541	365,213.74	3,637,971.03	-0.3	Transect 3 (2014 Survey)
9542	365,196.02	3,637,974.80	-0.3	Transect 3 (2014 Survey)
9543	365,173.87	3,637,978.19	-0.2	Transect 3 (2014 Survey)
9544	365,154.17	3,637,981.31	-0.5	Transect 3 (2014 Survey)
9545	365,126.50	3,637,987.03	-0.9	Transect 3 (2014 Survey)

9546	365,113.90	3,637,989.44	-1.0	Transect 3 (2014 Survey)
9547	365,092.74	3,637,992.72	-0.8	Transect 3 (2014 Survey)
9548	365,077.59	3,637,995.80	-0.9	Transect 3 (2014 Survey)
9549	365,058.04	3,637,998.86	-0.9	Transect 3 (2014 Survey)
9550	365,038.23	3,638,002.83	-1.0	Transect 3 (2014 Survey)
9551	365,019.10	3,638,004.99	-1.2	Transect 3 (2014 Survey)
9552	364,997.47	3,638,008.36	-1.1	Transect 3 (2014 Survey)
9553	364,989.84	3,638,009.42	-1.1	Transect 3 (2014 Survey)
9554	364,975.73	3,638,012.24	-1.2	Transect 3 (2014 Survey)
9555	364,958.70	3,638,014.85	-1.3	Transect 3 (2014 Survey)
9556	364,942.42	3,638,017.77	-1.3	Transect 3 (2014 Survey)
9557	364,919.19	3,638,021.19	-1.4	Transect 3 (2014 Survey)
9558	364,891.38	3,638,025.90	-1.2	Transect 3 (2014 Survey)
9559	364,878.48	3,638,028.86	-1.2	Transect 3 (2014 Survey)
9560	364,857.40	3,638,032.42	-1.2	Transect 3 (2014 Survey)
9561	364,840.33	3,638,035.85	-0.9	Transect 3 (2014 Survey)
9562	364,821.45	3,638,038.45	-0.7	Transect 3 (2014 Survey)
9563	364,809.04	3,638,039.97	-0.5	Transect 3 (2014 Survey)
9564	364,800.99	3,638,041.50	1.1	Transect 3 (2014 Survey)
9565	364,791.16	3,638,042.85	1.1	Transect 3 (2014 Survey)
9566	364,779.56	3,638,045.13	1.5	Transect 3 (2014 Survey)
9567	364,767.58	3,638,047.26	1.8	Transect 3 (2014 Survey)
9568	364,759.78	3,638,048.85	2.0	Transect 3 (2014 Survey)
9498	365,344.50	3,638,979.25	0.5	Transect 4 (2014 Survey)
9499	365,340.84	3,638,979.09	1.9	Transect 4 (2014 Survey)
9500	365,338.36	3,638,978.89	2.0	Transect 4 (2014 Survey)
9501	365,336.12	3,638,979.08	1.4	Transect 4 (2014 Survey)
9502	365,332.42	3,638,978.78	0.7	Transect 4 (2014 Survey)
9504	365,312.32	3,638,979.75	-1.3	Transect 4 (2014 Survey)
9505	365,294.03	3,638,977.60	-0.7	Transect 4 (2014 Survey)
9506	365,280.95	3,638,976.95	-0.6	Transect 4 (2014 Survey)
9507	365,265.20	3,638,976.88	-0.5	Transect 4 (2014 Survey)
9508	365,244.66	3,638,975.99	-0.4	Transect 4 (2014 Survey)
9509	365,212.37	3,638,974.98	-1.3	Transect 4 (2014 Survey)
9510	365,189.44	3,638,974.79	-1.4	Transect 4 (2014 Survey)
9511	365,163.08	3,638,973.97	-1.7	Transect 4 (2014 Survey)
9512	365,137.19	3,638,972.53	-1.2	Transect 4 (2014 Survey)
9513	365,111.04	3,638,971.04	-1.3	Transect 4 (2014 Survey)
9514	365,083.69	3,638,970.33	-0.6	Transect 4 (2014 Survey)
9515	365,066.07	3,638,969.35	-0.6	Transect 4 (2014 Survey)
9516	365,046.35	3,638,968.85	-0.2	Transect 4 (2014 Survey)
9517	365,030.73	3,638,968.37	0.3	Transect 4 (2014 Survey)
9518	365,022.81	3,638,968.11	1.0	Transect 4 (2014 Survey)
9519	365,013.32	3,638,967.80	1.3	Transect 4 (2014 Survey)
9520	365,004.47	3,638,967.39	1.5	Transect 4 (2014 Survey)
9521	364,993.80	3,638,967.16	1.8	Transect 4 (2014 Survey)
9522	364,983.93	3,638,966.81	2.4	Transect 4 (2014 Survey)

9523	364,976.83	3,638,966.44	2.1	Transect 4 (2014 Survey)
9603	365,425.27	3,638,982.06	-4.5	Transect 4 (2014 Survey)
9604	365,403.81	3,638,981.62	-4.3	Transect 4 (2014 Survey)
9605	365,382.67	3,638,980.69	-4.0	Transect 4 (2014 Survey)
9606	365,368.41	3,638,980.36	-3.8	Transect 4 (2014 Survey)
9607	365,351.46	3,638,979.17	-2.9	Transect 4 (2014 Survey)
9472	365,396.66	3,640,007.99	1.0	Transect 5 (2014 Survey)
9473	365,392.92	3,640,008.44	1.9	Transect 5 (2014 Survey)
9474	365,391.35	3,640,008.59	2.5	Transect 5 (2014 Survey)
9475	365,388.84	3,640,008.98	2.1	Transect 5 (2014 Survey)
9476	365,385.38	3,640,009.58	0.8	Transect 5 (2014 Survey)
9478	365,377.68	3,640,010.31	-0.4	Transect 5 (2014 Survey)
9479	365,369.36	3,640,011.73	-0.5	Transect 5 (2014 Survey)
9480	365,346.26	3,640,014.17	-0.3	Transect 5 (2014 Survey)
9481	365,323.60	3,640,017.27	-0.5	Transect 5 (2014 Survey)
9482	365,305.82	3,640,017.98	-0.5	Transect 5 (2014 Survey)
9483	365,279.03	3,640,022.22	-0.9	Transect 5 (2014 Survey)
9484	365,246.23	3,640,026.58	-1.2	Transect 5 (2014 Survey)
9485	365,208.13	3,640,031.22	-1.3	Transect 5 (2014 Survey)
9486	365,182.00	3,640,035.09	-1.2	Transect 5 (2014 Survey)
9487	365,155.14	3,640,038.21	-1.0	Transect 5 (2014 Survey)
9488	365,124.09	3,640,042.65	-0.9	Transect 5 (2014 Survey)
9489	365,097.34	3,640,045.87	-0.9	Transect 5 (2014 Survey)
9490	365,077.42	3,640,048.71	-1.0	Transect 5 (2014 Survey)
9491	365,063.66	3,640,050.34	-0.4	Transect 5 (2014 Survey)
9492	365,056.41	3,640,051.34	0.8	Transect 5 (2014 Survey)
9493	365,047.03	3,640,052.29	1.1	Transect 5 (2014 Survey)
9494	365,038.75	3,640,053.60	1.4	Transect 5 (2014 Survey)
9495	365,030.26	3,640,054.48	1.1	Transect 5 (2014 Survey)
9496	365,022.25	3,640,055.46	1.4	Transect 5 (2014 Survey)
9497	365,014.41	3,640,056.46	1.4	Transect 5 (2014 Survey)
9608	365,485.96	3,639,997.07	-4.3	Transect 5 (2014 Survey)
9609	365,469.76	3,640,000.07	-4.3	Transect 5 (2014 Survey)
9610	365,444.99	3,640,001.97	-4.0	Transect 5 (2014 Survey)
9611	365,425.80	3,640,004.17	-3.6	Transect 5 (2014 Survey)
9612	365,406.64	3,640,006.42	-3.1	Transect 5 (2014 Survey)
9454	365,551.32	3,640,832.15	0.8	Transect 6 (2014 Survey)
9455	365,547.58	3,640,833.70	2.6	Transect 6 (2014 Survey)
9456	365,545.69	3,640,833.95	2.3	Transect 6 (2014 Survey)
9457	365,543.37	3,640,834.88	2.3	Transect 6 (2014 Survey)
9458	365,540.35	3,640,835.98	0.8	Transect 6 (2014 Survey)
9460	365,531.93	3,640,837.64	-0.4	Transect 6 (2014 Survey)
9461	365,515.34	3,640,841.06	-0.6	Transect 6 (2014 Survey)
9462	365,495.42	3,640,846.62	-0.8	Transect 6 (2014 Survey)
9463	365,476.12	3,640,850.28	-0.6	Transect 6 (2014 Survey)
9464	365,457.32	3,640,856.52	-0.4	Transect 6 (2014 Survey)
9465	365,440.92	3,640,860.62	-0.1	Transect 6 (2014 Survey)

9466	365,433.44	3,640,862.20	0.9	Transect 6 (2014 Survey)
9467	365,425.42	3,640,864.35	1.4	Transect 6 (2014 Survey)
9468	365,415.76	3,640,866.77	1.5	Transect 6 (2014 Survey)
9469	365,405.32	3,640,869.42	1.7	Transect 6 (2014 Survey)
9470	365,396.26	3,640,871.77	1.8	Transect 6 (2014 Survey)
9471	365,389.55	3,640,873.38	1.8	Transect 6 (2014 Survey)
9987	365,632.03	3,640,811.27	-4.7	Transect 6 (2014 Survey)
9988	365,614.96	3,640,815.66	-4.6	Transect 6 (2014 Survey)
9989	365,594.69	3,640,820.63	-4.5	Transect 6 (2014 Survey)
9990	365,576.82	3,640,824.75	-4.2	Transect 6 (2014 Survey)
9991	365,558.98	3,640,829.40	-2.9	Transect 6 (2014 Survey)
9431	365,109.91	3,641,322.90	0.8	Transect 7 (2014 Survey)
9432	365,108.75	3,641,318.49	1.9	Transect 7 (2014 Survey)
9433	365,108.18	3,641,316.21	2.3	Transect 7 (2014 Survey)
9434	365,107.00	3,641,313.88	2.0	Transect 7 (2014 Survey)
9435	365,106.19	3,641,310.69	0.8	Transect 7 (2014 Survey)
9437	365,103.01	3,641,298.97	-1.9	Transect 7 (2014 Survey)
9438	365,098.14	3,641,282.04	-2.0	Transect 7 (2014 Survey)
9439	365,090.44	3,641,255.10	-1.8	Transect 7 (2014 Survey)
9440	365,082.45	3,641,228.95	-2.4	Transect 7 (2014 Survey)
9441	365,077.09	3,641,211.24	-1.9	Transect 7 (2014 Survey)
9442	365,071.10	3,641,190.74	-2.1	Transect 7 (2014 Survey)
9443	365,065.14	3,641,170.48	-1.7	Transect 7 (2014 Survey)
9444	365,061.08	3,641,157.11	0.9	Transect 7 (2014 Survey)
9445	365,058.15	3,641,146.81	1.6	Transect 7 (2014 Survey)
9446	365,055.17	3,641,136.71	1.7	Transect 7 (2014 Survey)
9447	365,052.02	3,641,126.27	1.7	Transect 7 (2014 Survey)
9448	365,049.50	3,641,117.20	1.7	Transect 7 (2014 Survey)
9449	365,045.73	3,641,105.57	1.6	Transect 7 (2014 Survey)
9450	365,042.76	3,641,094.24	1.5	Transect 7 (2014 Survey)
9982	365,134.37	3,641,405.11	-5.0	Transect 7 (2014 Survey)
9983	365,129.72	3,641,388.99	-4.9	Transect 7 (2014 Survey)
9984	365,120.65	3,641,364.38	-4.7	Transect 7 (2014 Survey)
9985	365,116.42	3,641,347.74	-4.5	Transect 7 (2014 Survey)
9986	365,112.49	3,641,329.92	-4.2	Transect 7 (2014 Survey)
9400	364,087.37	3,641,618.15	0.9	Transect 8 (2014 Survey)
9401	364,086.57	3,641,615.08	2.4	Transect 8 (2014 Survey)
9402	364,085.84	3,641,613.05	2.3	Transect 8 (2014 Survey)
9403	364,084.86	3,641,611.11	2.3	Transect 8 (2014 Survey)
9404	364,084.52	3,641,607.74	0.7	Transect 8 (2014 Survey)
9406	364,081.53	3,641,598.60	-1.3	Transect 8 (2014 Survey)
9407	364,078.09	3,641,587.36	-1.0	Transect 8 (2014 Survey)
9408	364,070.61	3,641,562.49	-0.8	Transect 8 (2014 Survey)
9409	364,063.41	3,641,537.83	-1.1	Transect 8 (2014 Survey)
9410	364,054.87	3,641,512.01	-1.4	Transect 8 (2014 Survey)
9411	364,047.84	3,641,489.06	-1.4	Transect 8 (2014 Survey)
9412	364,041.35	3,641,465.19	-1.6	Transect 8 (2014 Survey)

9413	364,032.77	3,641,438.02	-1.7	Transect 8 (2014 Survey)
9414	364,026.39	3,641,415.80	-1.5	Transect 8 (2014 Survey)
9415	364,018.08	3,641,389.99	-1.6	Transect 8 (2014 Survey)
9416	364,012.28	3,641,369.44	-1.7	Transect 8 (2014 Survey)
9417	364,006.03	3,641,349.65	-1.8	Transect 8 (2014 Survey)
9418	363,996.14	3,641,317.35	-1.9	Transect 8 (2014 Survey)
9419	363,988.60	3,641,294.40	-1.7	Transect 8 (2014 Survey)
9420	363,982.89	3,641,273.33	-1.9	Transect 8 (2014 Survey)
9421	363,976.62	3,641,250.85	-1.8	Transect 8 (2014 Survey)
9422	363,967.70	3,641,222.60	-0.9	Transect 8 (2014 Survey)
9423	363,961.01	3,641,201.96	-0.5	Transect 8 (2014 Survey)
9424	363,955.95	3,641,184.58	0.0	Transect 8 (2014 Survey)
9425	363,953.74	3,641,176.91	1.2	Transect 8 (2014 Survey)
9426	363,950.92	3,641,168.09	1.2	Transect 8 (2014 Survey)
9427	363,947.97	3,641,158.76	1.6	Transect 8 (2014 Survey)
9428	363,944.92	3,641,148.55	2.0	Transect 8 (2014 Survey)
9429	363,941.95	3,641,138.85	2.0	Transect 8 (2014 Survey)
9430	363,939.47	3,641,130.55	2.1	Transect 8 (2014 Survey)
9977	364,113.68	3,641,705.05	-4.5	Transect 8 (2014 Survey)
9978	364,108.65	3,641,687.15	-4.8	Transect 8 (2014 Survey)
9979	364,102.53	3,641,666.31	-4.5	Transect 8 (2014 Survey)
9980	364,096.25	3,641,647.21	-4.4	Transect 8 (2014 Survey)
9981	364,089.96	3,641,625.61	-3.3	Transect 8 (2014 Survey)
9372	363,206.28	3,642,057.99	0.7	Transect 9 (2014 Survey)
9373	363,203.50	3,642,053.80	2.5	Transect 9 (2014 Survey)
9374	363,201.84	3,642,051.53	2.6	Transect 9 (2014 Survey)
9375	363,200.25	3,642,049.76	3.2	Transect 9 (2014 Survey)
9376	363,197.82	3,642,045.60	0.8	Transect 9 (2014 Survey)
9378	363,190.87	3,642,036.11	-0.7	Transect 9 (2014 Survey)
9379	363,185.57	3,642,027.24	-0.5	Transect 9 (2014 Survey)
9380	363,175.58	3,642,013.95	0.9	Transect 9 (2014 Survey)
9381	363,170.24	3,642,006.40	2.0	Transect 9 (2014 Survey)
9383	363,162.07	3,641,994.58	2.1	Transect 9 (2014 Survey)
9384	363,157.55	3,641,988.49	1.8	Transect 9 (2014 Survey)
9385	363,153.10	3,641,982.12	0.9	Transect 9 (2014 Survey)
9386	363,147.04	3,641,973.30	-0.3	Transect 9 (2014 Survey)
9387	363,137.38	3,641,959.08	-0.8	Transect 9 (2014 Survey)
9388	363,125.44	3,641,941.46	-1.6	Transect 9 (2014 Survey)
9389	363,111.44	3,641,922.20	-1.5	Transect 9 (2014 Survey)
9390	363,098.39	3,641,903.07	-2.4	Transect 9 (2014 Survey)
9391	363,077.84	3,641,873.72	-1.8	Transect 9 (2014 Survey)
9392	363,065.47	3,641,856.64	-1.9	Transect 9 (2014 Survey)
9393	363,052.82	3,641,838.68	-1.3	Transect 9 (2014 Survey)
9394	363,036.26	3,641,814.55	0.6	Transect 9 (2014 Survey)
9395	363,030.93	3,641,807.10	1.5	Transect 9 (2014 Survey)
9396	363,024.64	3,641,798.33	1.5	Transect 9 (2014 Survey)
9397	363,018.87	3,641,790.02	1.6	Transect 9 (2014 Survey)

9398	363,013.03	3,641,781.54	1.7	Transect 9 (2014 Survey)
9399	363,010.46	3,641,777.83	1.7	Transect 9 (2014 Survey)
9972	363,253.99	3,642,125.77	-4.4	Transect 9 (2014 Survey)
9973	363,243.00	3,642,111.61	-4.5	Transect 9 (2014 Survey)
9974	363,230.76	3,642,094.09	-4.5	Transect 9 (2014 Survey)
9975	363,218.44	3,642,075.69	-4.0	Transect 9 (2014 Survey)
9976	363,208.94	3,642,061.92	-2.2	Transect 9 (2014 Survey)
9356	362,418.73	3,642,648.35	1.2	Transect 10 (2014 Survey)
9357	362,416.17	3,642,645.16	2.8	Transect 10 (2014 Survey)
9358	362,414.19	3,642,642.65	2.2	Transect 10 (2014 Survey)
9359	362,412.65	3,642,641.01	2.0	Transect 10 (2014 Survey)
9360	362,409.36	3,642,636.75	0.8	Transect 10 (2014 Survey)
9362	362,403.58	3,642,629.51	-1.1	Transect 10 (2014 Survey)
9363	362,397.78	3,642,621.97	-1.5	Transect 10 (2014 Survey)
9364	362,391.39	3,642,614.46	-1.9	Transect 10 (2014 Survey)
9365	362,385.33	3,642,606.58	-1.9	Transect 10 (2014 Survey)
9366	362,377.78	3,642,597.39	-1.8	Transect 10 (2014 Survey)
9367	362,372.73	3,642,590.43	-2.0	Transect 10 (2014 Survey)
9368	362,366.75	3,642,583.09	-1.9	Transect 10 (2014 Survey)
9369	362,361.36	3,642,575.51	-2.1	Transect 10 (2014 Survey)
9370	362,355.57	3,642,569.03	-2.0	Transect 10 (2014 Survey)
9371	362,349.70	3,642,561.62	-1.9	Transect 10 (2014 Survey)
9723	362,474.54	3,642,718.03	-4.4	Transect 10 (2014 Survey)
9724	362,461.18	3,642,698.55	-4.4	Transect 10 (2014 Survey)
9725	362,449.79	3,642,687.56	-4.5	Transect 10 (2014 Survey)
9726	362,437.19	3,642,671.04	-4.2	Transect 10 (2014 Survey)
9727	362,423.98	3,642,655.22	-3.0	Transect 10 (2014 Survey)
9326	361,501.68	3,643,215.61	0.5	Transect 11 (2014 Survey)
9327	361,500.46	3,643,212.52	2.9	Transect 11 (2014 Survey)
9328	361,499.09	3,643,209.35	3.4	Transect 11 (2014 Survey)
9329	361,497.83	3,643,206.32	2.8	Transect 11 (2014 Survey)
9330	361,495.70	3,643,202.10	0.7	Transect 11 (2014 Survey)
9332	361,491.15	3,643,191.82	-0.8	Transect 11 (2014 Survey)
9333	361,483.77	3,643,175.11	-0.7	Transect 11 (2014 Survey)
9334	361,474.92	3,643,155.29	-0.4	Transect 11 (2014 Survey)
9335	361,466.71	3,643,138.09	-1.1	Transect 11 (2014 Survey)
9336	361,455.58	3,643,113.90	-1.2	Transect 11 (2014 Survey)
9337	361,441.06	3,643,080.92	-1.9	Transect 11 (2014 Survey)
9338	361,430.09	3,643,056.71	-1.8	Transect 11 (2014 Survey)
9339	361,414.59	3,643,022.14	-2.3	Transect 11 (2014 Survey)
9340	361,402.97	3,642,996.34	-2.0	Transect 11 (2014 Survey)
9341	361,393.61	3,642,974.74	-2.0	Transect 11 (2014 Survey)
9342	361,380.62	3,642,947.54	-2.1	Transect 11 (2014 Survey)
9343	361,372.94	3,642,929.97	-1.9	Transect 11 (2014 Survey)
9344	361,364.24	3,642,911.34	-2.2	Transect 11 (2014 Survey)
9345	361,353.73	3,642,887.66	-2.4	Transect 11 (2014 Survey)
9346	361,343.90	3,642,865.10	-1.4	Transect 11 (2014 Survey)

9347	361,335.70	3,642,847.46	-1.5	Transect 11 (2014 Survey)
9348	361,326.38	3,642,827.05	-0.7	Transect 11 (2014 Survey)
9349	361,319.52	3,642,811.36	0.6	Transect 11 (2014 Survey)
9350	361,314.24	3,642,800.42	1.0	Transect 11 (2014 Survey)
9351	361,310.03	3,642,790.45	1.5	Transect 11 (2014 Survey)
9352	361,305.62	3,642,781.08	1.5	Transect 11 (2014 Survey)
9353	361,301.41	3,642,771.76	1.7	Transect 11 (2014 Survey)
9354	361,296.90	3,642,761.58	2.2	Transect 11 (2014 Survey)
9355	361,291.72	3,642,750.77	1.9	Transect 11 (2014 Survey)
9717	361,539.32	3,643,297.07	-5.0	Transect 11 (2014 Survey)
9718	361,528.06	3,643,278.01	-5.0	Transect 11 (2014 Survey)
9719	361,521.33	3,643,260.84	-5.0	Transect 11 (2014 Survey)
9720	361,514.86	3,643,242.97	-4.8	Transect 11 (2014 Survey)
9721	361,515.13	3,643,241.12	-4.8	Transect 11 (2014 Survey)
9300	360,624.21	3,643,696.28	1.2	Transect 12 (2014 Survey)
9301	360,621.44	3,643,691.97	2.9	Transect 12 (2014 Survey)
9302	360,619.46	3,643,689.09	2.8	Transect 12 (2014 Survey)
9303	360,617.08	3,643,685.57	2.4	Transect 12 (2014 Survey)
9304	360,615.55	3,643,682.85	0.9	Transect 12 (2014 Survey)
9306	360,609.20	3,643,672.94	-0.5	Transect 12 (2014 Survey)
9307	360,600.23	3,643,659.63	-0.6	Transect 12 (2014 Survey)
9308	360,588.35	3,643,640.21	-0.9	Transect 12 (2014 Survey)
9309	360,577.87	3,643,626.33	-0.8	Transect 12 (2014 Survey)
9310	360,557.55	3,643,594.46	-1.1	Transect 12 (2014 Survey)
9311	360,549.25	3,643,578.92	-1.6	Transect 12 (2014 Survey)
9312	360,540.08	3,643,565.84	-1.5	Transect 12 (2014 Survey)
9313	360,524.38	3,643,541.85	-1.8	Transect 12 (2014 Survey)
9314	360,508.61	3,643,518.14	-2.2	Transect 12 (2014 Survey)
9315	360,497.06	3,643,500.56	-1.8	Transect 12 (2014 Survey)
9316	360,480.86	3,643,474.56	-1.9	Transect 12 (2014 Survey)
9317	360,466.20	3,643,452.26	-2.0	Transect 12 (2014 Survey)
9318	360,454.88	3,643,434.69	-1.8	Transect 12 (2014 Survey)
9319	360,443.46	3,643,417.12	1.1	Transect 12 (2014 Survey)
9320	360,438.80	3,643,409.70	1.6	Transect 12 (2014 Survey)
9321	360,433.21	3,643,401.22	1.6	Transect 12 (2014 Survey)
9322	360,428.09	3,643,392.98	1.7	Transect 12 (2014 Survey)
9711	360,671.57	3,643,770.59	-5.0	Transect 12 (2014 Survey)
9712	360,657.37	3,643,749.22	-4.9	Transect 12 (2014 Survey)
9713	360,647.64	3,643,736.40	-4.8	Transect 12 (2014 Survey)
9714	360,640.73	3,643,721.57	-4.4	Transect 12 (2014 Survey)
9715	360,635.14	3,643,712.47	-4.1	Transect 12 (2014 Survey)
9716	360,626.99	3,643,701.12	-2.7	Transect 12 (2014 Survey)
9280	359,694.55	3,644,088.25	0.5	Transect 13 (2014 Survey)
9281	359,693.23	3,644,083.30	2.4	Transect 13 (2014 Survey)
9282	359,692.67	3,644,080.44	3.1	Transect 13 (2014 Survey)
9283	359,691.91	3,644,077.48	2.9	Transect 13 (2014 Survey)
9284	359,690.78	3,644,072.57	0.4	Transect 13 (2014 Survey)

9286	359,686.97	3,644,056.66	-0.7	Transect 13 (2014 Survey)
9287	359,682.02	3,644,037.65	-1.2	Transect 13 (2014 Survey)
9288	359,675.64	3,644,008.59	-0.1	Transect 13 (2014 Survey)
9289	359,669.70	3,643,982.06	-0.9	Transect 13 (2014 Survey)
9290	359,662.74	3,643,954.25	-1.5	Transect 13 (2014 Survey)
9291	359,658.57	3,643,937.46	-1.2	Transect 13 (2014 Survey)
9292	359,650.70	3,643,904.60	-1.1	Transect 13 (2014 Survey)
9293	359,644.02	3,643,873.54	-0.7	Transect 13 (2014 Survey)
9294	359,637.08	3,643,846.11	-0.1	Transect 13 (2014 Survey)
9295	359,635.03	3,643,837.57	0.3	Transect 13 (2014 Survey)
9296	359,633.12	3,643,829.75	1.5	Transect 13 (2014 Survey)
9297	359,629.92	3,643,817.26	1.8	Transect 13 (2014 Survey)
9298	359,627.64	3,643,806.61	1.8	Transect 13 (2014 Survey)
9299	359,624.92	3,643,794.66	1.5	Transect 13 (2014 Survey)
9705	359,716.33	3,644,178.09	-4.8	Transect 13 (2014 Survey)
9706	359,710.34	3,644,157.54	-4.7	Transect 13 (2014 Survey)
9707	359,709.72	3,644,144.45	-4.7	Transect 13 (2014 Survey)
9708	359,703.34	3,644,120.32	-4.4	Transect 13 (2014 Survey)
9709	359,698.08	3,644,104.00	-4.2	Transect 13 (2014 Survey)
9710	359,697.28	3,644,095.33	-3.1	Transect 13 (2014 Survey)
9243	358,825.56	3,644,645.32	0.5	Transect 14 (2014 Survey)
9244	358,821.29	3,644,641.69	3.1	Transect 14 (2014 Survey)
9245	358,818.99	3,644,639.67	3.7	Transect 14 (2014 Survey)
9246	358,816.56	3,644,637.64	3.1	Transect 14 (2014 Survey)
9247	358,812.43	3,644,633.76	0.6	Transect 14 (2014 Survey)
9249	358,802.47	3,644,625.24	0.5	Transect 14 (2014 Survey)
9250	358,790.64	3,644,614.87	0.7	Transect 14 (2014 Survey)
9251	358,782.70	3,644,607.76	1.0	Transect 14 (2014 Survey)
9252	358,774.86	3,644,600.95	1.8	Transect 14 (2014 Survey)
9253	358,765.96	3,644,593.50	1.3	Transect 14 (2014 Survey)
9254	358,759.37	3,644,587.38	0.6	Transect 14 (2014 Survey)
9255	358,737.96	3,644,569.05	-0.9	Transect 14 (2014 Survey)
9256	358,722.90	3,644,552.77	-1.4	Transect 14 (2014 Survey)
9257	358,702.95	3,644,538.64	-1.3	Transect 14 (2014 Survey)
9258	358,680.92	3,644,519.65	-0.8	Transect 14 (2014 Survey)
9259	358,664.21	3,644,503.06	-0.8	Transect 14 (2014 Survey)
9260	358,643.90	3,644,486.35	-0.6	Transect 14 (2014 Survey)
9261	358,623.54	3,644,469.00	-0.7	Transect 14 (2014 Survey)
9262	358,605.09	3,644,452.27	-0.9	Transect 14 (2014 Survey)
9263	358,581.13	3,644,431.65	-0.9	Transect 14 (2014 Survey)
9264	358,569.69	3,644,420.63	-1.1	Transect 14 (2014 Survey)
9265	358,534.29	3,644,390.00	-1.3	Transect 14 (2014 Survey)
9266	358,511.25	3,644,370.93	-1.5	Transect 14 (2014 Survey)
9267	358,488.51	3,644,349.82	-1.3	Transect 14 (2014 Survey)
9268	358,475.95	3,644,338.98	-1.3	Transect 14 (2014 Survey)
9269	358,456.53	3,644,322.72	-1.6	Transect 14 (2014 Survey)
9270	358,431.11	3,644,299.90	-1.8	Transect 14 (2014 Survey)

9271	358,418.06	3,644,288.10	-1.9	Transect 14 (2014 Survey)
9272	358,402.95	3,644,274.38	-1.6	Transect 14 (2014 Survey)
9273	358,383.74	3,644,257.49	-0.8	Transect 14 (2014 Survey)
9274	358,372.49	3,644,248.31	-1.0	Transect 14 (2014 Survey)
9275	358,354.60	3,644,231.74	-0.4	Transect 14 (2014 Survey)
9276	358,338.23	3,644,218.67	0.6	Transect 14 (2014 Survey)
9277	358,329.09	3,644,210.69	1.2	Transect 14 (2014 Survey)
9278	358,319.01	3,644,201.49	1.6	Transect 14 (2014 Survey)
9279	358,307.03	3,644,191.16	1.7	Transect 14 (2014 Survey)
9697	358,889.52	3,644,702.19	-4.4	Transect 14 (2014 Survey)
9698	358,876.26	3,644,689.42	-4.5	Transect 14 (2014 Survey)
9699	358,855.86	3,644,672.31	-4.3	Transect 14 (2014 Survey)
9700	358,844.30	3,644,661.48	-4.0	Transect 14 (2014 Survey)
9701	358,831.32	3,644,649.71	-3.5	Transect 14 (2014 Survey)
9216	358,216.74	3,645,437.37	0.7	Transect 15 (2014 Survey)
9217	358,212.81	3,645,434.67	2.0	Transect 15 (2014 Survey)
9218	358,209.46	3,645,432.47	2.9	Transect 15 (2014 Survey)
9219	358,206.47	3,645,430.40	2.8	Transect 15 (2014 Survey)
9220	358,202.48	3,645,427.86	0.3	Transect 15 (2014 Survey)
9222	358,184.51	3,645,415.89	-0.7	Transect 15 (2014 Survey)
9223	358,163.58	3,645,402.02	-0.3	Transect 15 (2014 Survey)
9224	358,146.24	3,645,390.04	-0.6	Transect 15 (2014 Survey)
9225	358,120.77	3,645,374.06	-1.3	Transect 15 (2014 Survey)
9226	358,101.04	3,645,359.65	-1.3	Transect 15 (2014 Survey)
9227	358,079.16	3,645,345.31	-1.3	Transect 15 (2014 Survey)
9228	358,058.33	3,645,331.65	-1.4	Transect 15 (2014 Survey)
9229	358,037.80	3,645,317.19	-1.4	Transect 15 (2014 Survey)
9230	358,017.14	3,645,303.77	-1.5	Transect 15 (2014 Survey)
9231	357,995.84	3,645,289.12	-1.5	Transect 15 (2014 Survey)
9232	357,978.16	3,645,277.73	-1.6	Transect 15 (2014 Survey)
9233	357,952.74	3,645,259.89	-1.4	Transect 15 (2014 Survey)
9234	357,930.11	3,645,245.21	-1.4	Transect 15 (2014 Survey)
9235	357,914.29	3,645,234.53	-1.2	Transect 15 (2014 Survey)
9236	357,888.46	3,645,217.38	-0.6	Transect 15 (2014 Survey)
9237	357,879.71	3,645,211.05	1.8	Transect 15 (2014 Survey)
9238	357,870.67	3,645,205.22	2.1	Transect 15 (2014 Survey)
9239	357,861.02	3,645,198.72	2.0	Transect 15 (2014 Survey)
9240	357,850.60	3,645,191.57	2.2	Transect 15 (2014 Survey)
9241	357,841.10	3,645,185.39	2.1	Transect 15 (2014 Survey)
9242	357,830.89	3,645,178.45	2.6	Transect 15 (2014 Survey)
9692	358,286.83	3,645,486.54	-4.8	Transect 15 (2014 Survey)
9693	358,269.86	3,645,474.53	-4.7	Transect 15 (2014 Survey)
9694	358,252.58	3,645,463.07	-4.7	Transect 15 (2014 Survey)
9695	358,238.34	3,645,453.44	-4.3	Transect 15 (2014 Survey)
9696	358,225.38	3,645,442.72	-4.0	Transect 15 (2014 Survey)
9188	357,417.87	3,645,753.99	0.3	Transect 16 (2014 Survey)
9189	357,418.77	3,645,749.08	2.5	Transect 16 (2014 Survey)

9190	357,419.43	3,645,745.27	3.0	Transect 16 (2014 Survey)
9191	357,419.77	3,645,742.51	2.3	Transect 16 (2014 Survey)
9192	357,420.47	3,645,737.38	0.4	Transect 16 (2014 Survey)
9194	357,421.84	3,645,727.16	-0.5	Transect 16 (2014 Survey)
9195	357,423.92	3,645,711.48	-0.2	Transect 16 (2014 Survey)
9196	357,427.07	3,645,688.72	0.4	Transect 16 (2014 Survey)
9197	357,428.24	3,645,678.52	1.5	Transect 16 (2014 Survey)
9198	357,429.62	3,645,668.61	1.6	Transect 16 (2014 Survey)
9199	357,431.07	3,645,659.07	1.4	Transect 16 (2014 Survey)
9200	357,432.91	3,645,644.57	0.4	Transect 16 (2014 Survey)
9201	357,435.66	3,645,624.00	-0.4	Transect 16 (2014 Survey)
9202	357,442.05	3,645,582.28	-1.2	Transect 16 (2014 Survey)
9203	357,444.12	3,645,559.83	-1.3	Transect 16 (2014 Survey)
9204	357,447.64	3,645,533.60	-1.1	Transect 16 (2014 Survey)
9205	357,450.36	3,645,511.79	-1.0	Transect 16 (2014 Survey)
9206	357,453.55	3,645,489.81	-0.9	Transect 16 (2014 Survey)
9207	357,457.06	3,645,471.06	-1.0	Transect 16 (2014 Survey)
9208	357,459.85	3,645,446.58	-1.0	Transect 16 (2014 Survey)
9209	357,463.04	3,645,421.51	-0.6	Transect 16 (2014 Survey)
9210	357,465.03	3,645,404.65	1.1	Transect 16 (2014 Survey)
9211	357,466.61	3,645,392.95	1.3	Transect 16 (2014 Survey)
9212	357,467.85	3,645,384.51	1.5	Transect 16 (2014 Survey)
9213	357,469.40	3,645,372.41	1.5	Transect 16 (2014 Survey)
9214	357,471.01	3,645,361.25	1.3	Transect 16 (2014 Survey)
9215	357,473.06	3,645,345.38	1.3	Transect 16 (2014 Survey)
9648	357,408.26	3,645,838.49	-4.8	Transect 16 (2014 Survey)
9649	357,414.67	3,645,811.80	-4.8	Transect 16 (2014 Survey)
9650	357,417.15	3,645,789.04	-4.9	Transect 16 (2014 Survey)
9651	357,415.37	3,645,773.77	-4.0	Transect 16 (2014 Survey)
9652	357,416.51	3,645,766.56	-3.7	Transect 16 (2014 Survey)
9160	356,303.51	3,645,763.70	0.7	Transect 17 (2014 Survey)
9161	356,302.82	3,645,760.52	2.7	Transect 17 (2014 Survey)
9162	356,302.56	3,645,756.90	3.5	Transect 17 (2014 Survey)
9163	356,302.11	3,645,754.23	3.0	Transect 17 (2014 Survey)
9164	356,301.41	3,645,748.44	0.7	Transect 17 (2014 Survey)
9166	356,300.19	3,645,738.03	-0.1	Transect 17 (2014 Survey)
9167	356,298.78	3,645,725.80	0.7	Transect 17 (2014 Survey)
9168	356,297.31	3,645,716.02	1.6	Transect 17 (2014 Survey)
9169	356,295.95	3,645,705.06	1.6	Transect 17 (2014 Survey)
9170	356,294.64	3,645,693.98	2.0	Transect 17 (2014 Survey)
9171	356,292.88	3,645,681.66	1.6	Transect 17 (2014 Survey)
9172	356,291.42	3,645,669.74	0.7	Transect 17 (2014 Survey)
9173	356,287.86	3,645,641.05	-0.9	Transect 17 (2014 Survey)
9174	356,283.50	3,645,604.62	-1.2	Transect 17 (2014 Survey)
9175	356,281.17	3,645,587.34	-1.3	Transect 17 (2014 Survey)
9176	356,277.66	3,645,556.84	-1.4	Transect 17 (2014 Survey)
9177	356,273.58	3,645,529.86	-1.3	Transect 17 (2014 Survey)

9178	356,268.97	3,645,494.12	-1.3	Transect 17 (2014 Survey)
9179	356,270.16	3,645,483.94	-1.2	Transect 17 (2014 Survey)
9180	356,263.94	3,645,452.94	-1.0	Transect 17 (2014 Survey)
9181	356,260.35	3,645,421.86	-0.4	Transect 17 (2014 Survey)
9182	356,258.62	3,645,405.85	0.8	Transect 17 (2014 Survey)
9183	356,256.86	3,645,394.37	1.3	Transect 17 (2014 Survey)
9184	356,255.47	3,645,382.66	1.4	Transect 17 (2014 Survey)
9640	356,314.32	3,645,854.33	-4.2	Transect 17 (2014 Survey)
9641	356,312.56	3,645,833.33	-4.1	Transect 17 (2014 Survey)
9642	356,308.49	3,645,816.37	-4.1	Transect 17 (2014 Survey)
9643	356,307.35	3,645,795.31	-3.8	Transect 17 (2014 Survey)
9644	356,304.66	3,645,773.63	-3.0	Transect 17 (2014 Survey)
9127	355,029.62	3,646,444.12	0.8	Transect 18 (2014 Survey)
9128	355,027.07	3,646,440.76	2.8	Transect 18 (2014 Survey)
9129	355,024.08	3,646,437.97	3.2	Transect 18 (2014 Survey)
9130	355,021.94	3,646,435.50	2.6	Transect 18 (2014 Survey)
9131	355,019.25	3,646,432.46	0.7	Transect 18 (2014 Survey)
9133	355,009.62	3,646,422.10	-0.6	Transect 18 (2014 Survey)
9134	355,002.58	3,646,414.65	-0.4	Transect 18 (2014 Survey)
9135	354,993.55	3,646,404.69	0.5	Transect 18 (2014 Survey)
9136	354,985.14	3,646,395.47	1.0	Transect 18 (2014 Survey)
9137	354,978.04	3,646,387.79	1.3	Transect 18 (2014 Survey)
9138	354,972.10	3,646,381.41	1.4	Transect 18 (2014 Survey)
9139	354,965.43	3,646,374.43	1.2	Transect 18 (2014 Survey)
9140	354,959.15	3,646,367.39	1.2	Transect 18 (2014 Survey)
9141	354,953.90	3,646,361.68	0.5	Transect 18 (2014 Survey)
9142	354,940.58	3,646,347.39	0.0	Transect 18 (2014 Survey)
9143	354,928.15	3,646,333.99	-0.2	Transect 18 (2014 Survey)
9144	354,914.36	3,646,319.36	-0.2	Transect 18 (2014 Survey)
9145	354,900.52	3,646,304.28	-0.1	Transect 18 (2014 Survey)
9146	354,886.51	3,646,288.86	-0.2	Transect 18 (2014 Survey)
9147	354,873.46	3,646,274.54	0.0	Transect 18 (2014 Survey)
9148	354,860.21	3,646,260.41	0.8	Transect 18 (2014 Survey)
9149	354,853.28	3,646,252.37	1.5	Transect 18 (2014 Survey)
9150	354,847.65	3,646,246.56	2.3	Transect 18 (2014 Survey)
9151	354,841.66	3,646,240.19	1.0	Transect 18 (2014 Survey)
9152	354,836.66	3,646,234.85	0.7	Transect 18 (2014 Survey)
9153	354,819.40	3,646,216.11	0.9	Transect 18 (2014 Survey)
9154	354,807.62	3,646,203.58	0.7	Transect 18 (2014 Survey)
9155	354,786.18	3,646,180.07	1.1	Transect 18 (2014 Survey)
9156	354,779.57	3,646,173.13	1.1	Transect 18 (2014 Survey)
9157	354,770.91	3,646,163.65	1.2	Transect 18 (2014 Survey)
9158	354,762.67	3,646,154.87	1.4	Transect 18 (2014 Survey)
9159	354,753.28	3,646,144.82	1.4	Transect 18 (2014 Survey)
9635	355,090.88	3,646,510.34	-3.9	Transect 18 (2014 Survey)
9636	355,076.26	3,646,494.98	-3.9	Transect 18 (2014 Survey)
9637	355,065.37	3,646,481.65	-3.8	Transect 18 (2014 Survey)

9638	355,051.97	3,646,468.06	-3.6	Transect 18 (2014 Survey)
9639	355,036.90	3,646,451.66	-3.1	Transect 18 (2014 Survey)
9011	354,476.03	3,647,430.04	-8.2	Transect 19 (2014 Survey)
9012	354,452.06	3,647,431.70	-3.4	Transect 19 (2014 Survey)
9013	354,427.35	3,647,432.15	-3.4	Transect 19 (2014 Survey)
9014	354,401.70	3,647,433.56	-2.7	Transect 19 (2014 Survey)
9015	354,389.59	3,647,433.82	0.6	Transect 19 (2014 Survey)
9016	354,385.87	3,647,434.07	2.2	Transect 19 (2014 Survey)
9017	354,383.32	3,647,434.20	2.5	Transect 19 (2014 Survey)
9018	354,381.26	3,647,434.09	2.2	Transect 19 (2014 Survey)
9019	354,376.60	3,647,435.06	0.7	Transect 19 (2014 Survey)
9021	354,351.90	3,647,435.46	0.1	Transect 19 (2014 Survey)
9022	354,328.57	3,647,437.21	-0.2	Transect 19 (2014 Survey)
9023	354,304.06	3,647,437.91	-0.5	Transect 19 (2014 Survey)
9024	354,275.69	3,647,440.00	-0.4	Transect 19 (2014 Survey)
9025	354,256.94	3,647,440.68	0.1	Transect 19 (2014 Survey)
9026	354,241.33	3,647,440.69	2.3	Transect 19 (2014 Survey)
9027	354,221.98	3,647,441.73	1.1	Transect 19 (2014 Survey)
9028	354,203.21	3,647,442.49	1.2	Transect 19 (2014 Survey)
9029	354,835.69	3,648,575.64	-3.4	Transect 20 (2014 Survey)
9030	354,811.98	3,648,586.14	-3.2	Transect 20 (2014 Survey)
9031	354,789.02	3,648,595.50	-2.9	Transect 20 (2014 Survey)
9032	354,766.19	3,648,606.16	-2.1	Transect 20 (2014 Survey)
9033	354,757.09	3,648,610.24	0.7	Transect 20 (2014 Survey)
9034	354,752.99	3,648,612.73	2.7	Transect 20 (2014 Survey)
9035	354,749.70	3,648,614.60	3.0	Transect 20 (2014 Survey)
9036	354,746.51	3,648,615.13	2.6	Transect 20 (2014 Survey)
9037	354,743.35	3,648,616.68	0.9	Transect 20 (2014 Survey)
9039	354,720.78	3,648,626.37	-0.3	Transect 20 (2014 Survey)
9040	354,696.29	3,648,636.40	-0.4	Transect 20 (2014 Survey)
9041	354,673.67	3,648,646.07	-0.8	Transect 20 (2014 Survey)
9042	354,655.49	3,648,654.38	-1.5	Transect 20 (2014 Survey)
9043	354,630.33	3,648,663.78	-1.4	Transect 20 (2014 Survey)
9044	354,606.59	3,648,675.53	-1.7	Transect 20 (2014 Survey)
9045	354,582.96	3,648,687.47	-1.6	Transect 20 (2014 Survey)
9046	354,560.91	3,648,696.26	-1.7	Transect 20 (2014 Survey)
9047	354,538.50	3,648,706.87	-1.6	Transect 20 (2014 Survey)
9048	354,513.79	3,648,717.70	-1.3	Transect 20 (2014 Survey)
9049	354,492.20	3,648,726.72	-1.2	Transect 20 (2014 Survey)
9050	354,472.22	3,648,736.38	-1.1	Transect 20 (2014 Survey)
9051	354,446.29	3,648,746.61	-0.8	Transect 20 (2014 Survey)
9052	354,411.09	3,648,763.04	0.6	Transect 20 (2014 Survey)
9053	354,392.51	3,648,771.46	2.0	Transect 20 (2014 Survey)
9054	354,378.34	3,648,777.91	1.8	Transect 20 (2014 Survey)
9111	355,646.36	3,649,472.63	0.7	Transect 21 (2014 Survey)
9112	355,642.01	3,649,472.37	2.4	Transect 21 (2014 Survey)
9113	355,639.44	3,649,472.37	3.1	Transect 21 (2014 Survey)

9114	355,636.84	3,649,472.44	2.7	Transect 21 (2014 Survey)
9115	355,631.69	3,649,472.07	0.8	Transect 21 (2014 Survey)
9117	355,618.12	3,649,472.02	-0.3	Transect 21 (2014 Survey)
9118	355,598.42	3,649,471.30	-0.6	Transect 21 (2014 Survey)
9119	355,578.05	3,649,471.48	-0.3	Transect 21 (2014 Survey)
9120	355,562.54	3,649,471.13	0.0	Transect 21 (2014 Survey)
9121	355,543.27	3,649,470.58	0.1	Transect 21 (2014 Survey)
9122	355,522.00	3,649,470.45	0.7	Transect 21 (2014 Survey)
9123	355,508.59	3,649,469.54	1.5	Transect 21 (2014 Survey)
9124	355,490.46	3,649,469.61	1.8	Transect 21 (2014 Survey)
9125	355,476.48	3,649,469.39	1.9	Transect 21 (2014 Survey)
9126	355,459.00	3,649,469.10	1.9	Transect 21 (2014 Survey)
9630	355,734.06	3,649,474.51	-4.3	Transect 21 (2014 Survey)
9631	355,717.27	3,649,474.14	-4.3	Transect 21 (2014 Survey)
9632	355,699.61	3,649,473.22	-4.1	Transect 21 (2014 Survey)
9633	355,676.19	3,649,472.94	-3.9	Transect 21 (2014 Survey)
9634	355,656.28	3,649,472.85	-3.0	Transect 21 (2014 Survey)
9093	355,623.35	3,650,527.21	0.7	Transect 22 (2014 Survey)
9094	355,618.83	3,650,527.87	2.6	Transect 22 (2014 Survey)
9095	355,616.26	3,650,527.95	2.3	Transect 22 (2014 Survey)
9096	355,613.74	3,650,527.91	2.4	Transect 22 (2014 Survey)
9097	355,609.13	3,650,527.76	0.8	Transect 22 (2014 Survey)
9099	355,594.95	3,650,527.57	0.6	Transect 22 (2014 Survey)
9100	355,573.09	3,650,527.42	-0.6	Transect 22 (2014 Survey)
9101	355,548.52	3,650,526.95	0.0	Transect 22 (2014 Survey)
9102	355,523.44	3,650,526.26	0.0	Transect 22 (2014 Survey)
9103	355,482.97	3,650,525.96	-0.2	Transect 22 (2014 Survey)
9104	355,455.63	3,650,525.54	-0.1	Transect 22 (2014 Survey)
9105	355,422.90	3,650,524.72	0.2	Transect 22 (2014 Survey)
9106	355,408.85	3,650,524.65	1.0	Transect 22 (2014 Survey)
9107	355,397.92	3,650,524.42	1.7	Transect 22 (2014 Survey)
9108	355,388.85	3,650,524.39	2.0	Transect 22 (2014 Survey)
9109	355,377.69	3,650,524.00	2.2	Transect 22 (2014 Survey)
9110	355,364.82	3,650,523.90	2.0	Transect 22 (2014 Survey)
9625	355,715.12	3,650,529.62	-3.9	Transect 22 (2014 Survey)
9626	355,696.48	3,650,529.23	-3.9	Transect 22 (2014 Survey)
9627	355,674.77	3,650,528.64	-3.6	Transect 22 (2014 Survey)
9628	355,652.79	3,650,528.70	-3.3	Transect 22 (2014 Survey)
9629	355,635.03	3,650,527.59	-2.6	Transect 22 (2014 Survey)
9070	355,620.36	3,651,546.07	0.6	Transect 23 (2014 Survey)
9071	355,614.52	3,651,546.10	2.1	Transect 23 (2014 Survey)
9072	355,610.88	3,651,546.15	2.7	Transect 23 (2014 Survey)
9073	355,607.75	3,651,546.05	2.3	Transect 23 (2014 Survey)
9074	355,604.47	3,651,546.06	1.4	Transect 23 (2014 Survey)
9076	355,594.24	3,651,546.15	1.7	Transect 23 (2014 Survey)
9077	355,583.65	3,651,546.29	1.3	Transect 23 (2014 Survey)
9078	355,566.97	3,651,546.56	1.0	Transect 23 (2014 Survey)

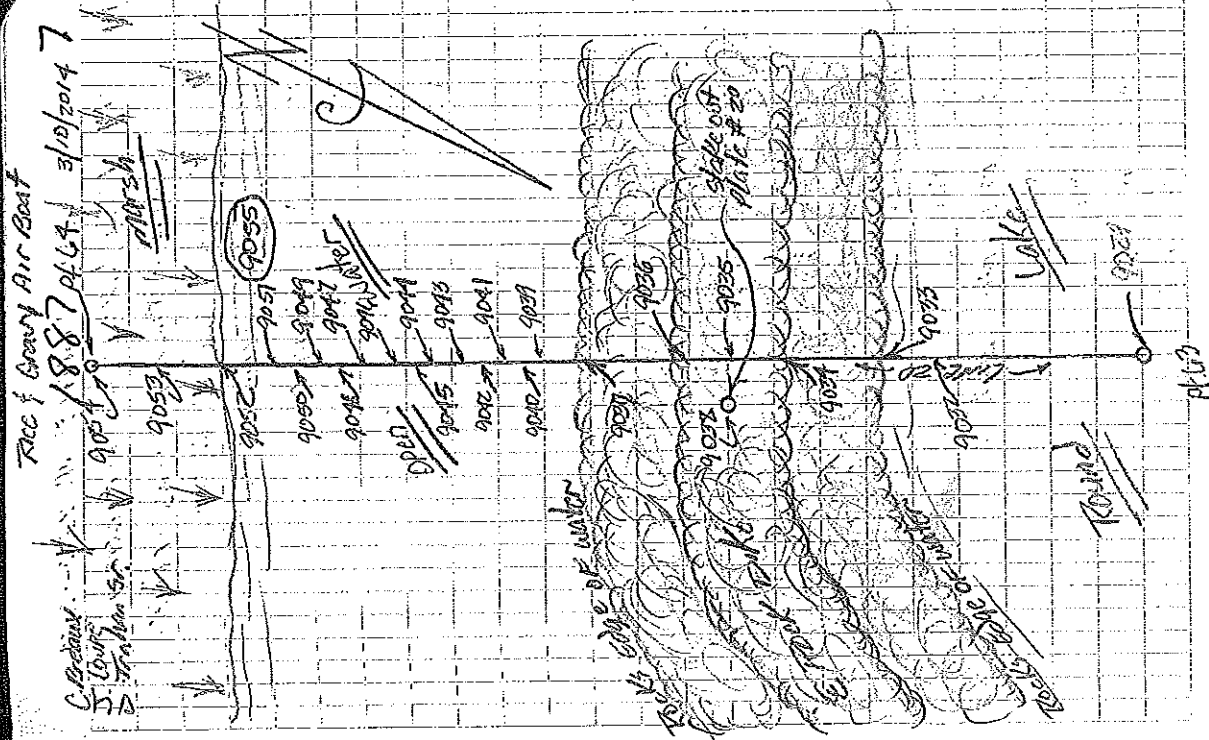
9079	355,548.69	3,651,546.36	0.7	Transect 23 (2014 Survey)
9080	355,534.13	3,651,546.19	0.7	Transect 23 (2014 Survey)
9081	355,509.19	3,651,546.90	0.6	Transect 23 (2014 Survey)
9082	355,484.50	3,651,547.11	0.4	Transect 23 (2014 Survey)
9083	355,469.25	3,651,547.27	0.0	Transect 23 (2014 Survey)
9084	355,448.97	3,651,547.40	0.1	Transect 23 (2014 Survey)
9085	355,421.44	3,651,547.57	-0.2	Transect 23 (2014 Survey)
9086	355,398.75	3,651,546.59	-0.3	Transect 23 (2014 Survey)
9087	355,377.61	3,651,548.65	-0.3	Transect 23 (2014 Survey)
9088	355,356.35	3,651,547.81	0.1	Transect 23 (2014 Survey)
9089	355,348.49	3,651,548.38	0.7	Transect 23 (2014 Survey)
9090	355,335.05	3,651,548.08	1.5	Transect 23 (2014 Survey)
9091	355,317.87	3,651,547.71	1.7	Transect 23 (2014 Survey)
9092	355,309.30	3,651,548.20	1.8	Transect 23 (2014 Survey)
9620	355,710.09	3,651,545.88	-3.5	Transect 23 (2014 Survey)
9621	355,688.35	3,651,545.52	-3.1	Transect 23 (2014 Survey)
9622	355,673.92	3,651,545.57	-2.9	Transect 23 (2014 Survey)
9623	355,654.82	3,651,545.78	-2.5	Transect 23 (2014 Survey)
9624	355,628.76	3,651,545.69	-2.0	Transect 23 (2014 Survey)
9057	355,600.90	3,652,775.08	1.0	Transect 24 (2014 Survey)
9058	355,595.12	3,652,775.36	2.5	Transect 24 (2014 Survey)
9059	355,589.53	3,652,774.92	3.5	Transect 24 (2014 Survey)
9060	355,585.51	3,652,774.70	3.0	Transect 24 (2014 Survey)
9061	355,582.24	3,652,774.39	2.0	Transect 24 (2014 Survey)
9063	355,567.94	3,652,773.68	1.6	Transect 24 (2014 Survey)
9064	355,553.46	3,652,773.36	1.4	Transect 24 (2014 Survey)
9065	355,538.53	3,652,772.69	1.8	Transect 24 (2014 Survey)
9066	355,523.44	3,652,771.77	1.6	Transect 24 (2014 Survey)
9067	355,507.60	3,652,771.09	1.3	Transect 24 (2014 Survey)
9068	355,483.40	3,652,769.93	1.0	Transect 24 (2014 Survey)
9615	355,683.88	3,652,779.02	-2.5	Transect 24 (2014 Survey)
9616	355,665.76	3,652,778.10	-2.2	Transect 24 (2014 Survey)
9617	355,649.08	3,652,777.23	-2.0	Transect 24 (2014 Survey)
9618	355,629.65	3,652,776.66	-1.6	Transect 24 (2014 Survey)
9619	355,607.76	3,652,775.38	-1.3	Transect 24 (2014 Survey)
9677	355,592.17	3,652,776.48	3.6	Transect 24 (2014 Survey)

SECTION 4
2014 Survey Field Notes

The survey was documented and recorded in MPH Field Book 1887, Pages 6-64 and MPH Field Book 1938, Pages 1-56. Copies of the field notes are attached as follows:

DNR. Contract No. 2503-12-14
 Little Lake Shore Line Protection
 Dedicated Dredging Project (CA-37)
 GPS Base Sta. C at 9000
 Cross Section # 20

POINT	Code	Remarks
046	NG	NAT Bottom
9045	NG	"
044	NG	"
043	NG	"
042	NG	"
041	NG	"
9040	NG	"
039	NG	NAT. Bottom
038	MISC	TOP OF 3" CARBONIZE PIPE w/ CAP
037	TES	Edge of Rocks Edge of water
036	TOS	CROWN OF ROCK DIKE
9035	TOS	2 Rock DIKE
034	TOS	CROWN OF ROCK DIKE
033	TES	Edge of Rocks Edge of water
032	NG	NAT Bottom
031	NG	"
030	NG	"
9029	NG	NAT. Bottom Begins Line # 20



REC of COAST AIR BOAT
 1887 ALCA 3/10/2014

11025-07 DNR CONTRACT NO Z503-12-1A
 Little Lake Shore Line Protection
 Dedicated Dredging Project (BA-37)
 GPS Base Sta. @ Pt 9000
 Cross Section #20

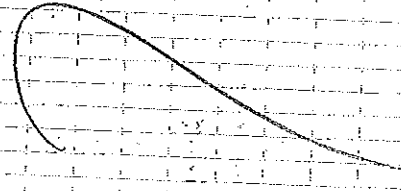
POINT Code Remarks

9055	MISO	TOP OF WATER
054	NG	NAT. Ground Marsh End Line #20
053	NG	" "
052	NG	Edge of Marsh Grass
051	NG	NAT. Bottom
9050	NG	" "
946	NG	" "
046	NG	" "
9047	NG	" "

Trace of Gray Air Boat
 1887 3/10/2004

C. Brown
 J. Lovin
 D. Fisher SS

See Page 7
 For Drawing



DNR Contract No. 2503-12-A
 1025-01 Little Lake Shoreline Protection
 Dedicated Dredging Project (EA-07)
 GPS Base Sta. CA 9000
 Cross Section # 24

POINT Code Remarks
 9056 CHK RC TO POINT (SMOZ) 9001
 ELEV. 6.312 H=200.0030 (PINS) 0.009
 * I.H. 2.025AM Start static Survey @ 8:17 AM

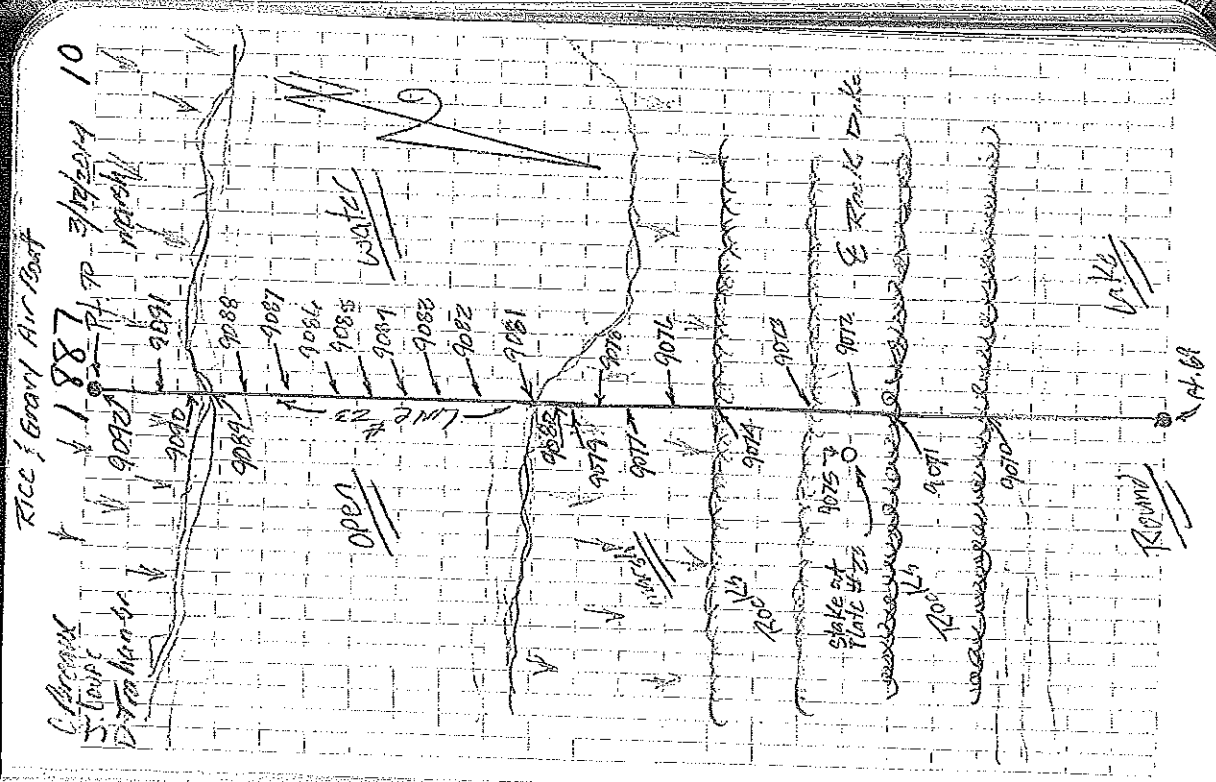
9069	MISC	TOP OF WATER
068	NG	NAT. Ground marsh @ END Line 24
067	"	"
064	"	"
9065	"	"
067	"	"
063	"	"
062	MISC	TOP OF 3" GALVANIZED PIPE W/ CAP 24
061	TES	Edge of Rocks
9060	TOS	Crown of Rocks
059	TOS	"
058	TOS	Crown "
9057	TES	Edge of Rocks Edge of water



DNR Contract NO. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (6A-37)
 GPS Base Sta. C At 9000

Point	Code	Remarks
9088	NG	NAT. Point
087	"	"
084	"	"
085	"	"
083	"	"
082	"	"
081	NG	NAT. marsh c. edge of water
9060	"	"
074	"	"
070	"	"
076	"	"
075	misc	TOP of 3" EVASANTIC PIPE w/ CAP # 23
074	TEs	Edge of Rocks c. Edge of marsh
073	TOs	Crown of Rocks
072	TOs	"
071	TOs	Crown of Rocks
9070	TEs	Edge of Rocks c. Edge of water

Cross Section # 23



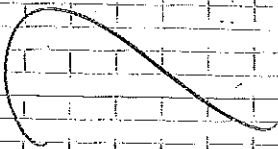
Air Boat Rice & Gray

3/12/2017

1887

C. BROWN
J. GUNN
D. TUCKER SR

See Page 10
for Drawing



11025-07 DNR CONTACT NO. 2503-12-1A
Little Lake Shoreline Protection
Dedicated Dredging Project # (BA-37)
GPS Base Sta. C At 9000

Point Code Remarks

097	NG	NAT. Marsh C Old Line #23
091	"	"
090	"	"
9089	NG	NAT. Marsh C Edge of Water

DNR Contract No. 2503-12-14
 Little Lake Shore Line Protection

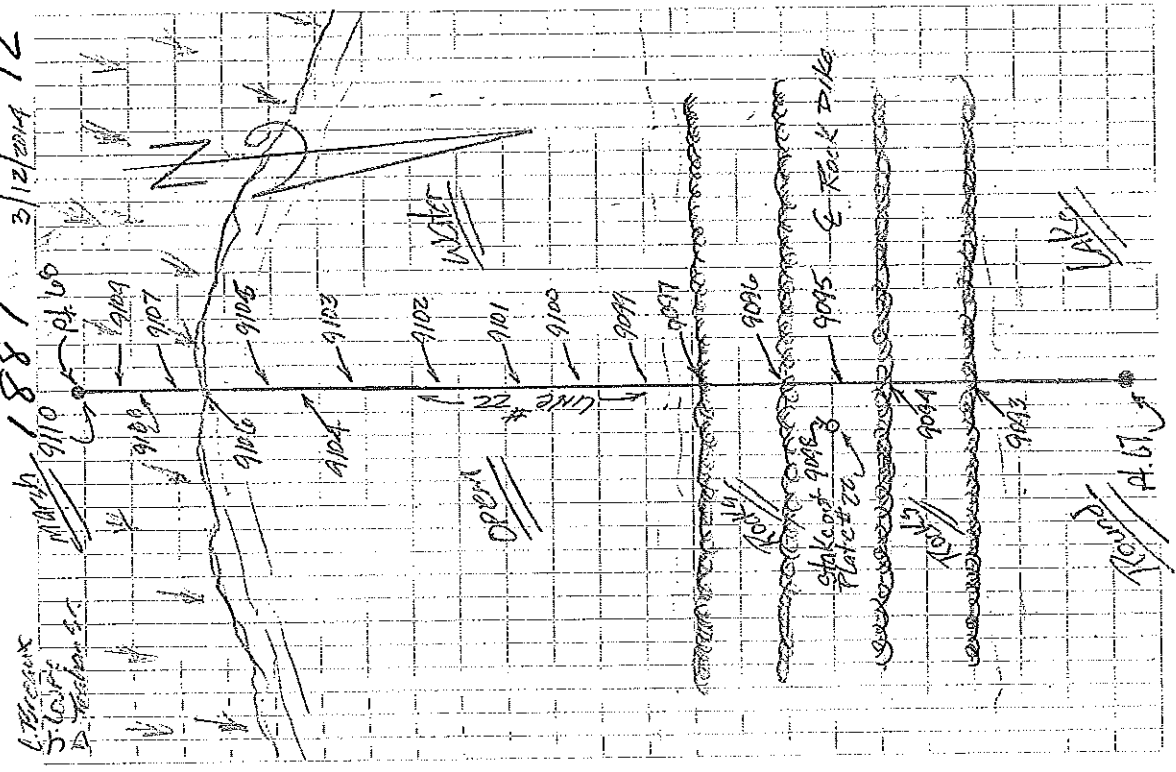
Dedicated Dredging Project (BA-37)
 GPS Base Sta. c. PL 9000

Cross Section # 22

Point	Code	Remarks
9110	NG	NAT. Marsh c. end Line # 22
109	"	"
108	"	"
107	"	"
106	NG	Edge of marsh c. Edge of water
9105	"	NAT. Bottom
104	"	"
103	"	"
102	"	"
101	"	"
9100	"	"
099	"	"
098	MISC	TOP OF 3' GALVANIZE PIPE w/ CAP # 22
097	TES	Edge of Rocks c. Edge of water
096	TOS	Crown of Rocks
9095	TOS	"
094	TOS	Crown of Rocks
9093	TES	Edge of Rocks c. Edge of water

Air Boat Trace & Gravity

3/12/2014 12



6. Terrain
 5. Contour
 4. Station #

1887

9110
 9109
 9107
 9105
 9104
 9103
 9102
 9101
 9100
 9099
 9098
 9097
 9096
 9095
 9094
 9093

WATER

ROCK

Stake out 9093
 Plate # 22

ROCK

ROCK

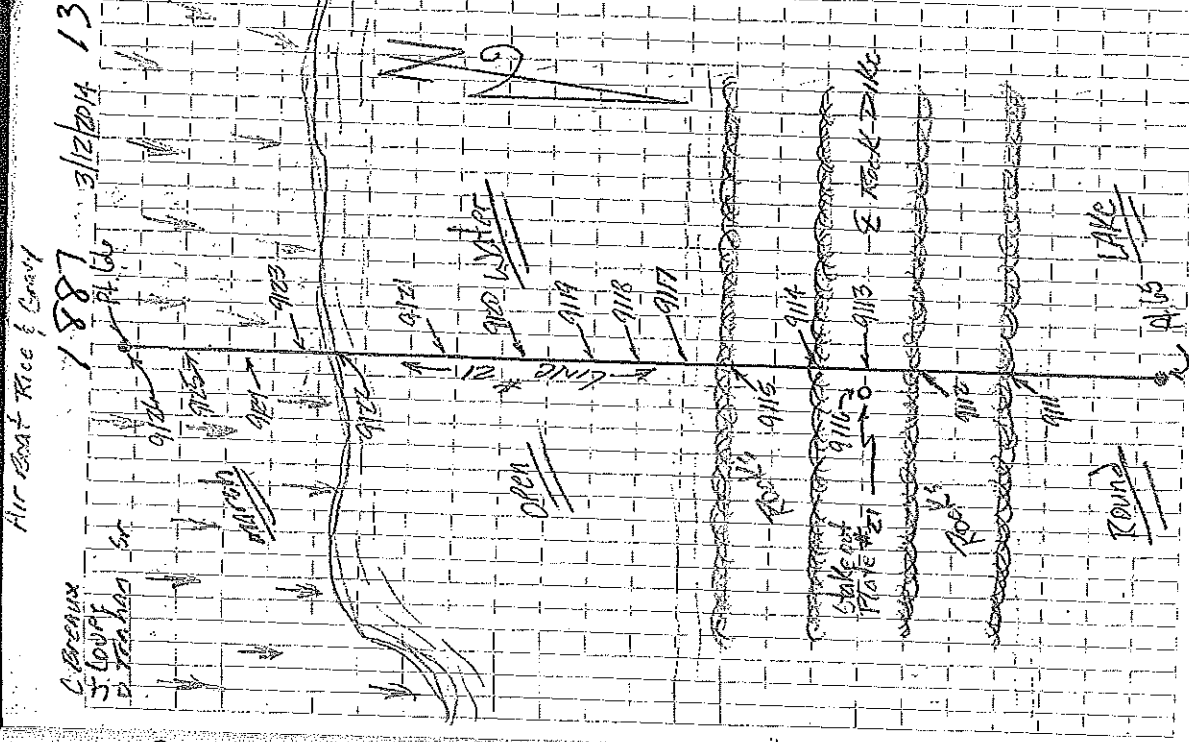
E. Rock Dike

4.67

DNR Contract No. 250342-14
 Little Lake Shoreline Protections
 Dedicated Dredging Project (BA-37)
 CAPS Phase 5, c/a 9000

Cross Section # 21
 Remarks

Point	Code	Remarks
126	NG	NAT marsh e end of Line #21
9125	"	"
124	"	"
123	"	"
122	NG	Edge of Marsh @ Waters Edge
121	"	NAT Bottom
9120	"	"
119	"	"
118	"	"
117	"	"
116	misc	TOP OF 3" GALVANIZE PIPE w/ CAP # 21
9115	T&S	Edge of Rocks @ edge of water
114	Top	Crown of Rocks
113	Top	"
112	Top	"
9111	Top	Edge of Rocks @ Edge of water



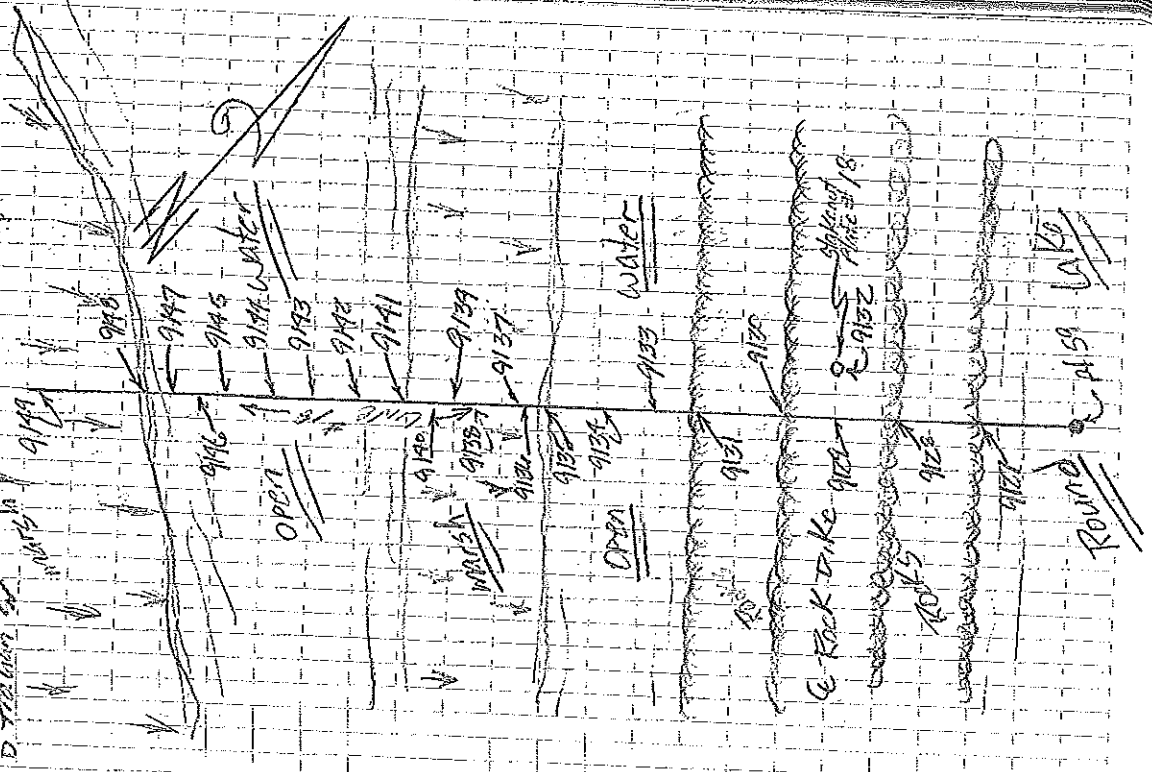
C. Brennan
 S. Gouff
 D. Trehan

DNR Contract NA 2502-12-11
 Little Lake Shoreline Protection
 Dedicated Dredging Project (CA-37)
 GPS Base Sta. @ 9000

Cross Section #18

POINT	Code	Remarks
9145	NG	NAT. Bottom
144	"	"
143	"	"
142	"	"
141	NG	Edge of Marsh Edge of water
9140	"	NAT. Marsh
139	"	"
138	"	"
137	NG	"
136	NG	"
9135	NG	Edge of Marsh Edge of water
134	NG	NAT. Bottom
133	NG	"
132	MISC	Top of 3' Calumize Ave WY CAR #18
131	TES	Edge of Rocks @ Edge of water
9130	TOS	Crn of Rocks
129	TOS	"
128	TOS	Crn "
9127	TES	Edge of Rocks @ Edge of water

Air Boat Race & Boat
 1887 Page 15
 3/12/2014



DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (2A-37)
 GPS Base Sta. @ Pt 4000

Cross Section # 18

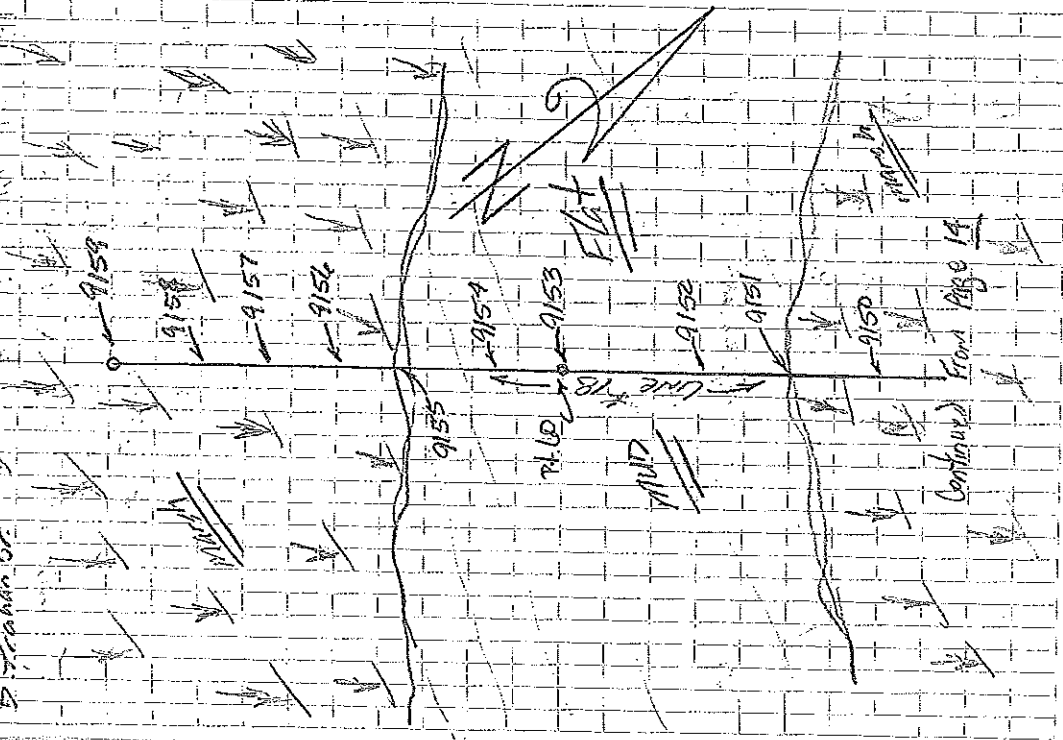
Point Code Remarks

9159	NG	NAT. Marsh	End of Line # 18
158	"	"	"
157	"	"	"
156	"	"	"
9155	NG	Edge of Marsh	Edge of mud flat
154	NG	NAT. Bottom mud	Flat
153	NG	NAT. Bottom mud	Flat @ Pt 60
152	"	"	"
151	NG	Edge of marsh	Edge mud flat
9150	NG	NAT. marsh	"
149	NG	"	"
148	NG	Edge of marsh	Edge of water
147	"	NAT. Bottom	"
9146	"	"	"

Air Coast Dec & Gravel

1887 3/12/2014 15

C. Breckin
 F. Loring
 D. Strahan or

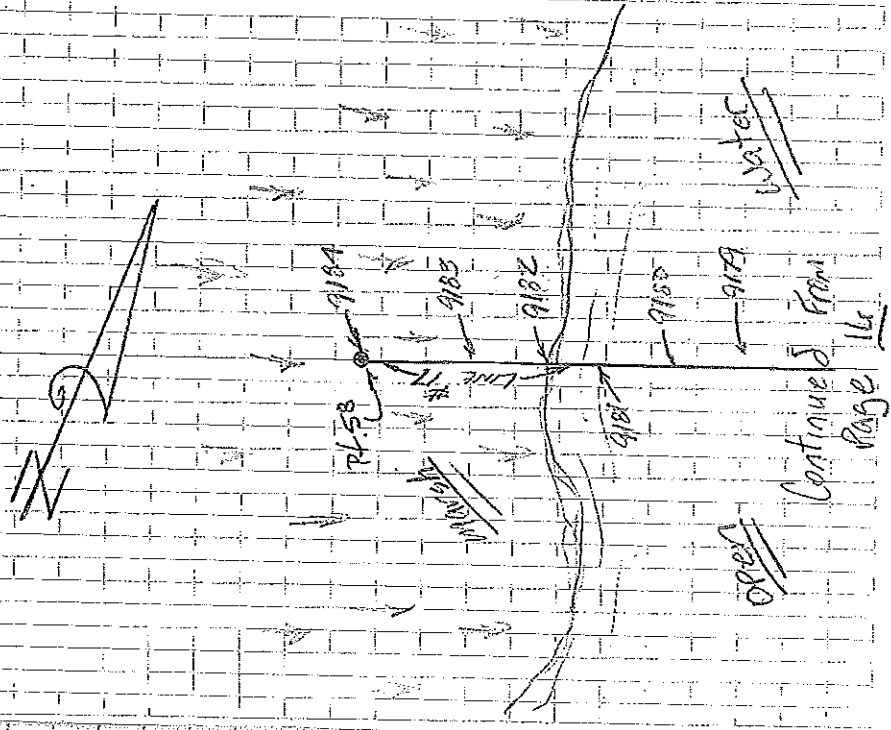


11025-07 DNR Lois Tract No. 2503-12-A
 Little Lake Shoreline Protection
 Dedicated Ordngng Project (CA-37)
 GPS Base Sta. C At 9000

Cross Section # 17
 POINT Code Remarks

- 9185 misc TOP OF water
- 9184 NG NAT Marsh. END LINE #19
- 183 " " "
- 182 NG Edge of marsh Edge of water
- 181 " NAT Bottom
- 9180 " " "
- 9179 NG NAT Bottom C Pt. 58

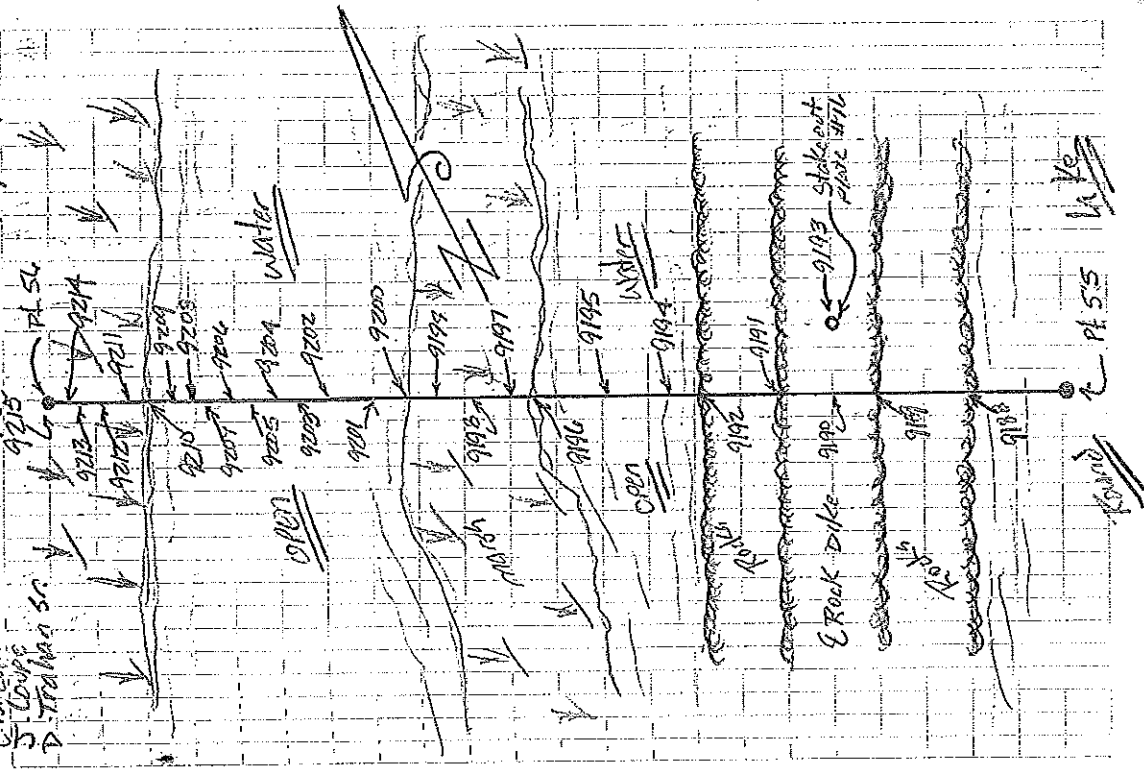
C. Byrnes
 S. Lovre
 D. Pradhan et al
 Air Boat Race & Camp
 /887
 3/12/2014



DNR Contract NO 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (CA-37)
 EPS Base Sta. C.R. 9000
 Cross Section # 16

POINT	Code	Remarks
9186	CHK	QC TO POINT (SM-02) Pt. 9001
Elev. 6.316		H-dist. 0.032 V-dist. 0.005
* I.H. 2025 M		Start static survey @ 8:24 AM
9201	NG	NAT. Bottom
9200	NG	Edge of marsh Edge of water
9199	"	NAT. marsh
198	"	"
197	"	"
196	NG	Edge of marsh Edge of water
9195	NG	NAT. Bottom
194	NG	NAT. Bottom
193	MSC	TOP OF 5' GRANITIZED FIRE CAP # 14
192	TES	Edge of Rocks Edge of water
191	TOB	CROWN OF ROCKS
9180	TOB	E "
189	TOB	CROWN "
188	TES	Edge of Rocks Edge of water
9187	MISC	TOP OF WATER

Air Boat Rice & Gravel
 1887 3/12/2014 18



DNR District No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (DA-37)
 GPS Base Sta. C.A. 9000
 Cross Section #/6
 POINT Remarks

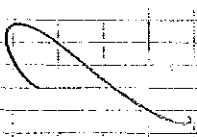
9215	NG	NAT	Marsh Edge Line #10
214	"	"	"
213	"	"	"
212	"	"	"
9211	"	"	"
9210	NG	Edge of Marsh	Edge of water
209	"	NAT	Bottom
208	"	"	"
207	"	"	"
206	"	"	"
9205	"	"	"
204	"	"	"
203	"	"	"
9202	"	"	"

Air Boat Eric & Gary
 1887
 3/13/2014
 19

L. Ferreux
 J. Lopez
 P. Fisher et al.

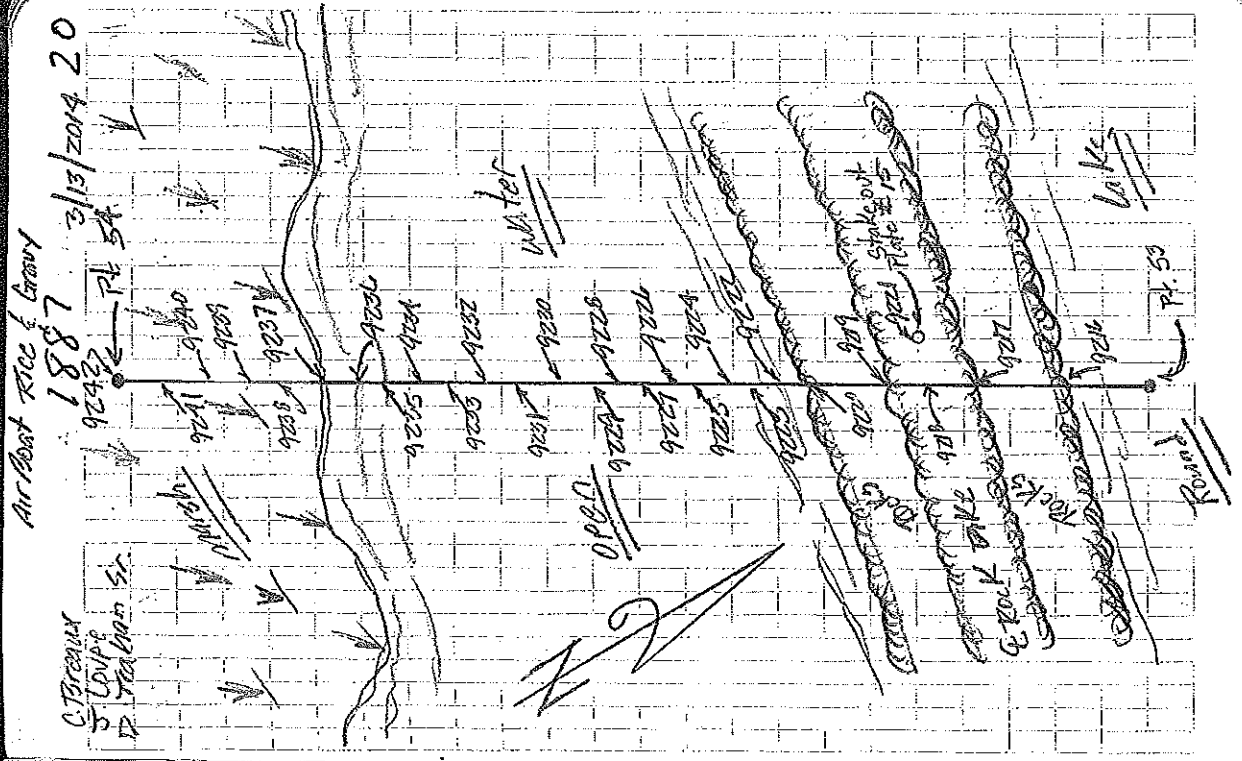
See Page 18

For Drawing



DNR Contract No. 2503-12-1A
 Little Lake Shoreline Protection
 Dedicated Dredging Project (D.A.S.D.)
 GPS Base Sta. @ A 9000
 Cross Section # 15
 POINT Code Remarks

232	NS	WAT. SECTION	
232	"	"	"
132	"	"	"
9226	"	"	"
622	"	"	"
822	"	"	"
122	"	"	"
9226	"	"	"
422	"	"	"
322	"	"	"
222	"	"	"
122	MISC	TOP OF 3" GALVANIZED PIPE 1" CAP # 15	
9226	TES	EDGE OF ROCKS	Edge of water
712	TS	CROWN OF ROCKS	
812	TS	"	"
217	TS	CROWN "	"
9216	TES	EDGE OF ROCKS	Edge of water



DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (CA-31)
 GPS Base Station # 9000
 Cross Section # 15
 Point Code Remarks

Air Boat Rice & Gravy
 1887
 3/13/2014 21
 C. Thomas
 J. Cooper
 P. Traylor Sr.

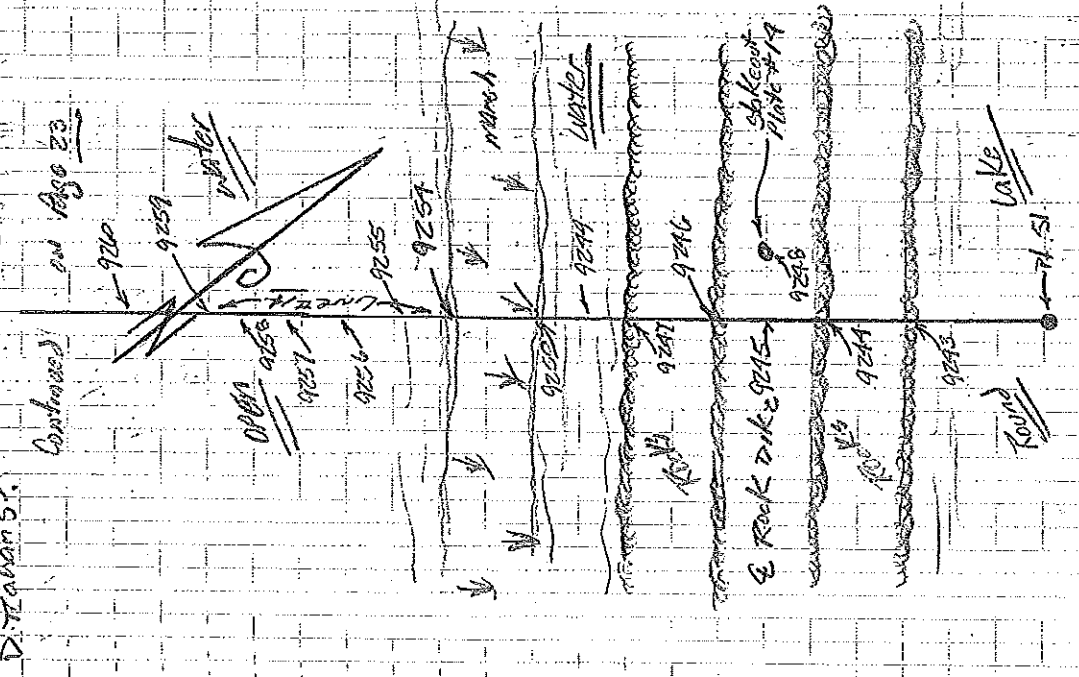
See Page 20
 FOR DRAWING

Point	Code	Remarks
242Z	NG	NAT Marsh end line # 15
142	"	"
0426	"	"
239	"	"
238	"	"
237	NA	Edge of Marsh Edge of water
236	"	NAT Bottom
235	"	"
234	"	"

DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (BA-37)
 GPS TENS Sta. # 9000
 Cross Section # 1A

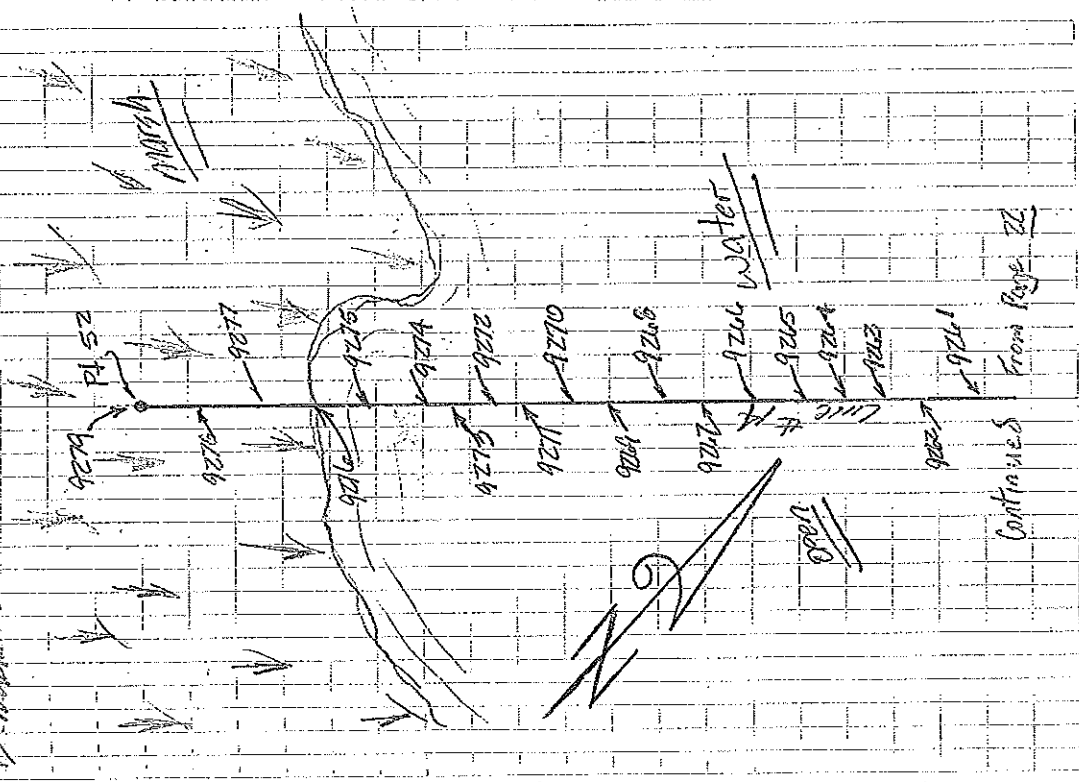
Point	Code	Remarks
9200	NG	NAT. Bottom
9226	"	"
9252	"	"
9252	"	"
9255	"	"
9254	NG	Edge of Marsh Edge of water
9253	"	NAT. marsh
9252	"	"
9252	"	"
9250	NG	Edge of Marsh Edge of water
9249	"	NAT. Bottom
9248	MISC	TOP OF 3" GALVANIZED PIPE W/ CAP # 14
9247	T&S	Edge of Rocks Edge of water
9246	TDS	CROWN OF ROCKS
9245	TDS	"
9244	TDS	CROWN "
9243	TDS	Edge of Rocks Edge of water

11025-07
 Air Boat Rice & Gray
 1887
 3/13/2014 22



Air Photo Rice Canyon 1887 3/13/2014 23

C. Brennan
5000 S
Madison St.



Continued From Page 22

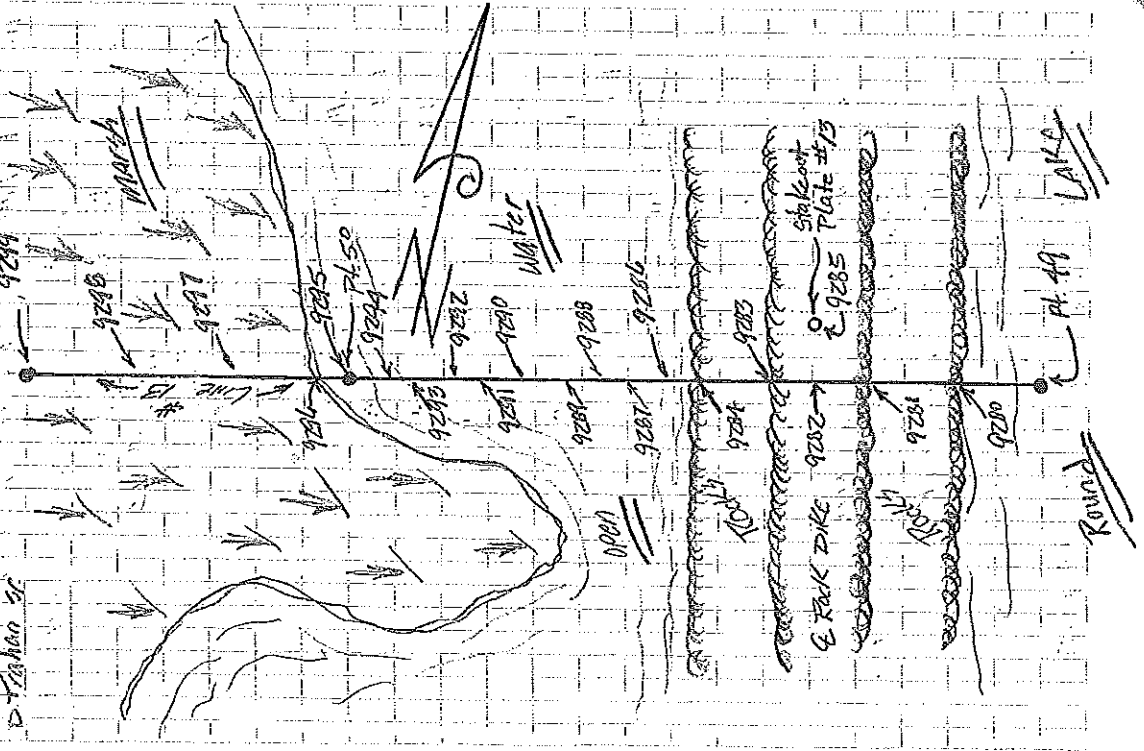
POINT	Code	Remarks
11025-07	NG	DNR Contract No. 2503-12-14
	NG	Little Lake Shore Line Protection
	NG	Dedicated Dredging Project (DA-37)
	NG	GPS Base Sta. E.P. 9000
	NG	Cross Section # 14
9279	NG	NAT. Marsh END LINE #14
9278	"	"
9277	"	"
9276	NG	Edge of Marsh Edge of Water
9275	NG	NAT. Bottom
9274	NG	NAT. Bottom
9273	"	"
9272	"	"
9271	"	"
9270	"	"
9269	"	"
9268	"	"
9267	"	"
9266	"	"
9265	"	"
9264	"	"
9263	"	"
9262	"	"
9261	"	"
9260	"	"
9259	"	"
9258	"	"
9257	"	"
9256	"	"
9255	"	"
9254	"	"
9253	"	"
9252	"	"
9251	"	"
9250	"	"
9249	"	"
9248	"	"
9247	"	"
9246	"	"
9245	"	"
9244	"	"
9243	"	"
9242	"	"
9241	"	"
9240	"	"
9239	"	"
9238	"	"
9237	"	"
9236	"	"
9235	"	"
9234	"	"
9233	"	"
9232	"	"
9231	"	"
9230	"	"
9229	"	"
9228	"	"
9227	"	"
9226	"	"
9225	"	"
9224	"	"
9223	"	"
9222	"	"
9221	"	"
9220	"	"
9219	"	"
9218	"	"
9217	"	"
9216	"	"
9215	"	"
9214	"	"
9213	"	"
9212	"	"
9211	"	"
9210	"	"
9209	"	"
9208	"	"
9207	"	"
9206	"	"
9205	"	"
9204	"	"
9203	"	"
9202	"	"
9201	"	"
9200	"	"
9199	"	"
9198	"	"
9197	"	"
9196	"	"
9195	"	"
9194	"	"
9193	"	"
9192	"	"
9191	"	"
9190	"	"
9189	"	"
9188	"	"
9187	"	"
9186	"	"
9185	"	"
9184	"	"
9183	"	"
9182	"	"
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9166	"	"
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9164	"	"
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9158	"	"
9157	"	"
9156	"	"
9155	"	"
9154	"	"
9153	"	"
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9151	"	"
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9124	"	"
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9122	"	"
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9119	"	"
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9112	"	"
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9059	"	"
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9055	"	"
9054	"	"
9053	"	"
9052	"	"
9051	"	"
9050	"	"
9049	"	"
9048	"	"
9047	"	"
9046	"	"
9045	"	"
9044	"	"
9043	"	"
9042	"	"
9041	"	"
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9039	"	"
9038	"	"
9037	"	"
9036	"	"
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9029	"	"
9028	"	"
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9024	"	"
9023	"	"
9022	"	"
9021	"	"
9020	"	"
9019	"	"
9018	"	"
9017	"	"
9016	"	"
9015	"	"
9014	"	"
9013	"	"
9012	"	"
9011	"	"
9010	"	"
9009	"	"
9008	"	"
9007	"	"
9006	"	"
9005	"	"
9004	"	"
9003	"	"
9002	"	"
9001	"	"
9000	"	"

11025-07 DNR Contract No. 2503-12-14
Little Lake Shoreline Protection

Dedicated Dredging Project (20A-37)
CAP Base Sta. C at 9000
Cross Section # 13

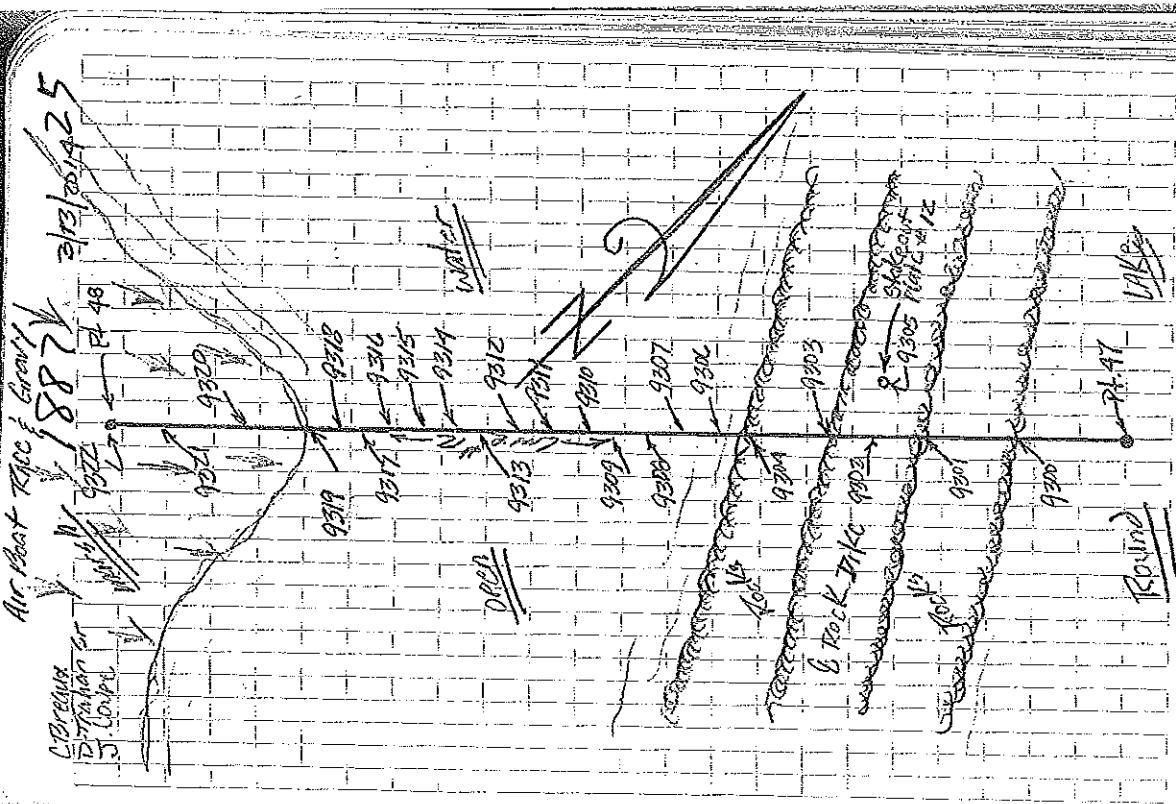
POINT	Code	Remarks
9226	NG	NAT. marsh end line #13
892	"	"
897	"	"
896	NG	Edge of marsh edge of water
9285	NG	NAT. Bottom C. Al. 50
294	"	NAT. Bottom
293	"	"
292	"	"
192	"	"
9290	"	"
882	"	"
882	"	"
182	"	"
982	"	"
9285	MISC	TOP OF 3" GALVANIZED PIPE # CAP 13
284	TES	Edge of Rocks Edge of Water
283	TOS	Crown OF ROCKS
282	TOS	"
281	TOS	Crown "
9280	TES	Edge of Rocks Edge of Water

3/13/2014 24
1887
Air Boat Rice & Gravy
C. Grand
S. Loop
D. Fisher st



11025-01
 2015 Contract No. 2503-12-14
 Little Lake Shore Line Protection
 Dedicated Dredging Project (EA-37)
 GPS Base Sta. CPT 9000
 Cross Section # 12

POINT	Code	Remarks
9310	NG	NAT Bottom
317	"	"
316	"	"
9315	"	"
314	"	"
313	"	"
312	"	"
311	"	"
9310	"	"
309	"	"
308	"	"
307	"	"
306	"	"
9305	MISC	TOP OF 3" GALVANIZE PIPE W/IMP # 12
304	TES	Edge of Rocks Edge of water
303	TOS	Crown of Rocks
302	TOS	E
301	TOS	Crown
9300	TES	Edge of Rocks Edge of water



DNR Contract No. 2503-12-1A
 11025-07 Little Lake Shoreline Protection
 Dedicated Dredging Project (CA-37)
 GTS Base Sta. @ Int. 9000
 Cross Section # 12

POINT Code Remarks

9323	MISC	TOP OF WATER
9322	NG	NAT. MARSH END LINE #12
321	"	"
9320	"	"
9319	NG	EDGE OF MARSH EDGE OF WATER

Air Boat Rice & Grand

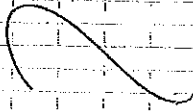
1887

2/13/2014 ZLG

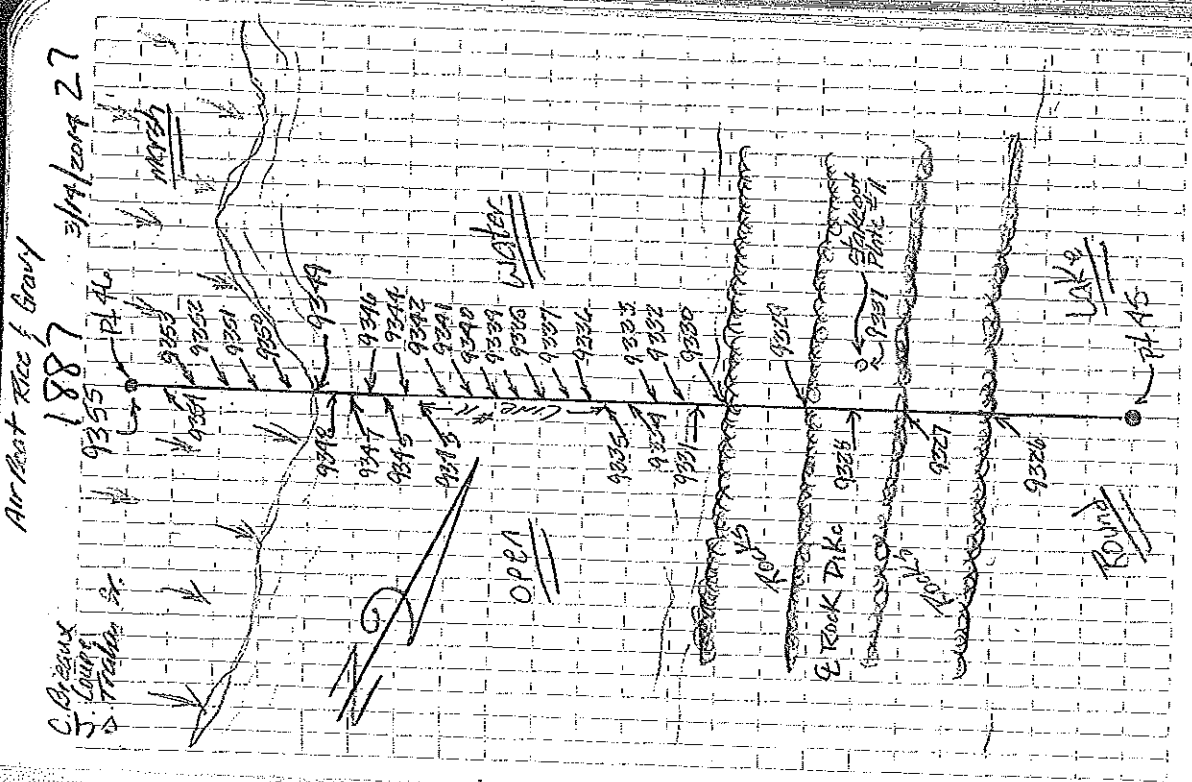
C. BREWSTER
 J. COFF
 D. WATSON

See Page 25

FOR DRAWING



11025-07	DNR (Sawtooth No. 2509-12-14)		
	Little Lake Shoreline Protection		
	Dedicated Deeping Project (AM-37)		
	GPS Rec. Sta. C 19 9000		
	Cross Section # 11		
Point	Code	Remarks	
9324	CHK	QC TO POINT (M-02) 9001	
Elev. C. 299		M-dist 0.029	V-dist 0.022
I.N.	2.025 M	Start Static Survey @ 9:00 AM	
329	NG	NAT BOTTOM	
328	"	"	
327	"	"	
326	"	"	
9325	"	"	
324	"	"	
322	"	"	
322	"	"	
322	"	"	
321	MISC	TOP OF 3' GALVANIZED PIPE / CAP # 11	
9320	TES	Edge of Rocks	Edge of water
329	TOG	Crown of Rocks	
328	TOG	"	
327	TOG	Crown "	
326	TES	Edge of Rocks	Edge of water
325	MNSO	TOP OF WATER	



11025-07 DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 dedicated dredging project (BA-37)
 GPS Base Sta. CPA 9000
 Cross Section # 11

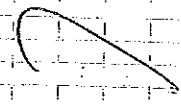
Point	Code	Remarks
9355	NG	MAX Marsh End Line #11
354	"	"
353	"	"
352	"	"
351	"	"
9350	"	"
9349	NG	Edge of Marsh Edge of water
348	NG	NAT. Bottom
347	"	"
346	"	"
9345	"	"
344	"	"
343	"	"
342	"	"
9341	"	"
9340	"	"

For Boat Race & Gravy
 1887
 3/14/2014 28

C. Bergman
 J. Coyle
 D. Truhler, Jr.

See Page 27

For Drawing



DNR Contract No. 2503-12-14.
 Little Lake Shoreline Protection
 Dedicated Dredging Project (CA-37)
 GPS Base Sta. C# 4900

Cross Section # 10

Point Code

Remarks

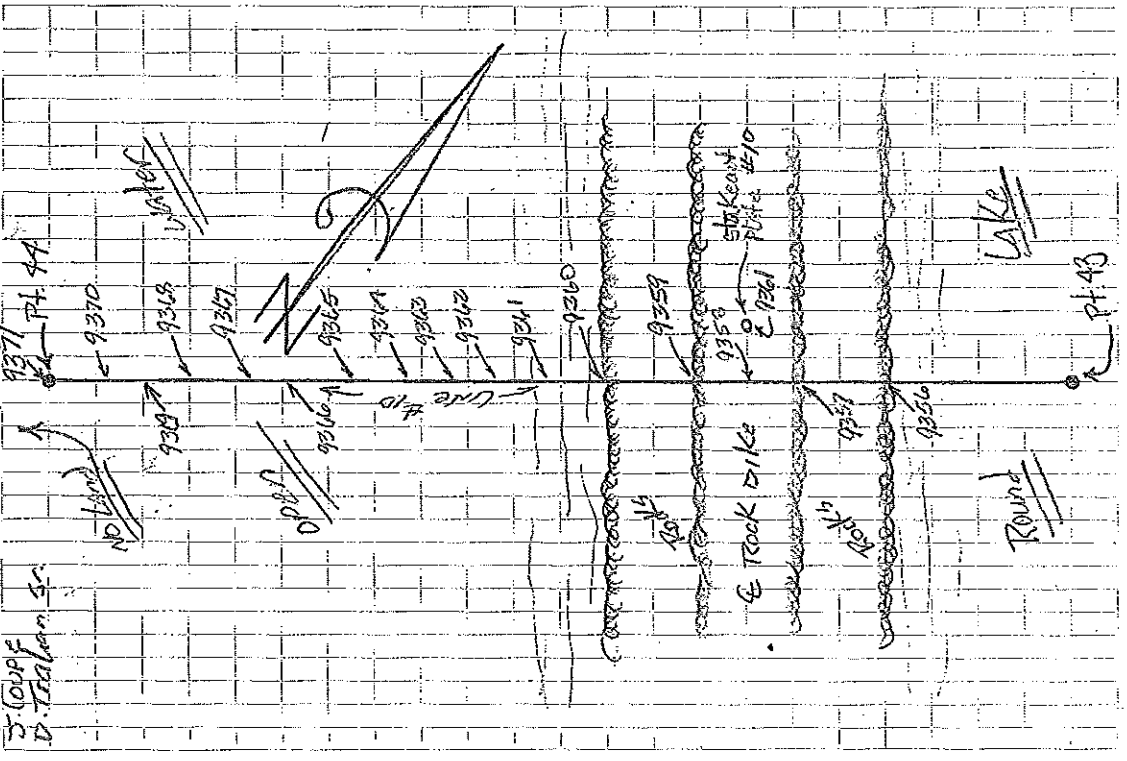
371 NG NAT. BOTTOM END LINE # 10

9370	"	"	"
369	"	"	"
368	"	"	"
367	"	"	"
366	"	"	"
9365	"	"	"
364	"	"	"
363	"	"	"
362	"	"	"
361	MISC	TOP OF 3 GALVANIZE PIPE W/ CAP # 10	
9360	TES	Edge of Rocks Edge of water	
359	TOS	CROWN OF ROCKS	
358	TOS	E	"
357	TOS	CROWN	"
9356	TES	Edge of Rocks Edge of water	

Air Boat Race & Quay

887 3/14/2014 29

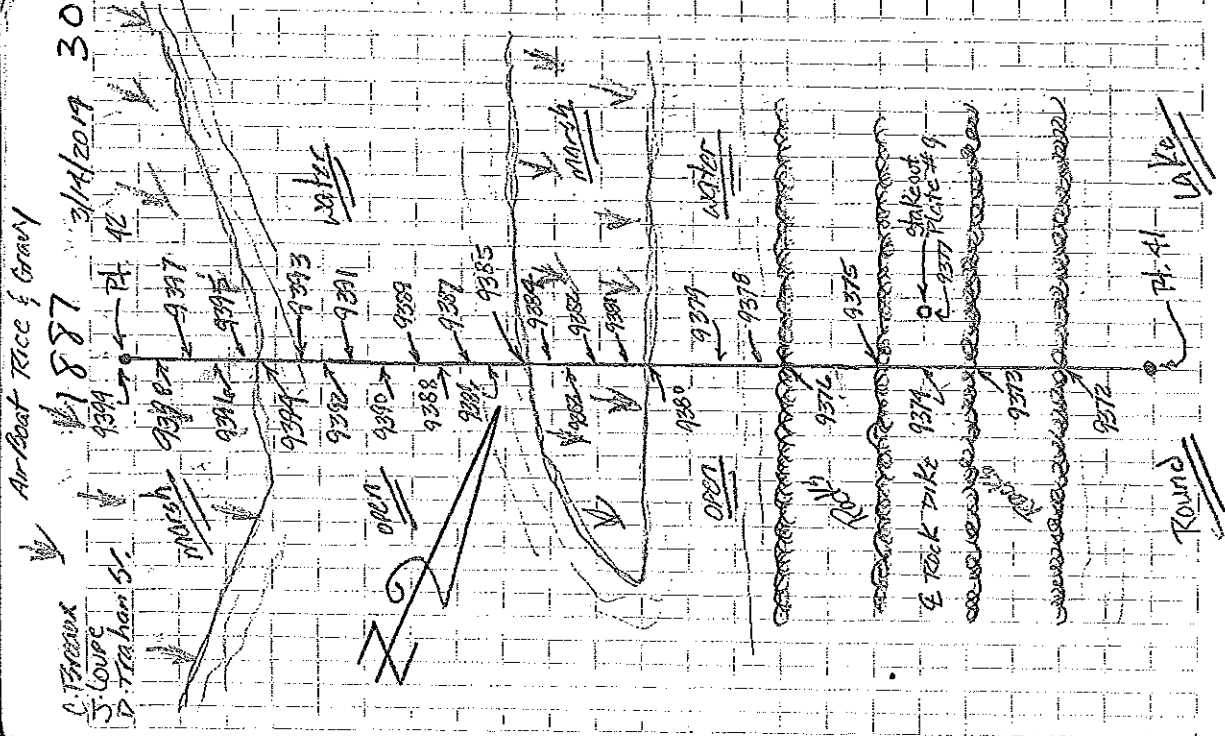
C. Breaux
 J. O'Connell
 D. Traliman, Jr.



11025-07 DNR Contract No. 2503-12-14
Little Lake Shoreline Protection

Dedicated Dredging Project (CA-37)
GPS Base Sta. C Pt. 9000
Cross Section # 9

Point	Code	Remarks
9340	NG	NAT. Bottom
389	"	"
388	"	"
387	"	"
386	"	"
9385	NG	Edge of marsh edge of water
384	"	NAT. MARSH
383	"	"
382	"	"
381	"	"
9380	NG	Edge of marsh edge of water
379	"	NAT. Bottom
378	"	"
377	MISC	TOP OF 3' GALVANIZED PIPE W/CAP #9
9376	TE6	Edge of rocks edge of water
9375	TD5	CROWN OF ROCKS
374	TD5	E "
373	TD5	CROWN "
9372	TE5	Edge of rocks edge of water



DNR Exhibit No. 2503-12-14
 Little Lake Shoreline Protection
 Dredged Project (BA-37)
 GPS Base Sta. @ PA 9000
 Cross Section # 9

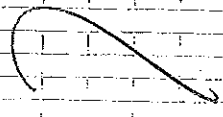
1887
 3/14/2014
 31

Air Boat Race & Gravy

C. Boreaux
 S. Loups
 D. Trainor

See Page 30

For Drawing



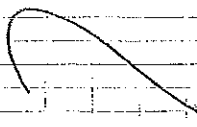
POINT	Code	Remarks
9389	NA	NAT. Marsh END Line # 9
389	"	"
397	"	"
394	"	"
9395	"	"
394	NA	Edge of Marsh Edge of water
393	NA	NAT. Bottom
392	"	"
9391	"	"

1887 3/14/2004 33

C. Roseaux
S. Louise
P. Trainor Sr.

See Page 32

FOR DRAWING



DNR. Contract No. 2503-121A
Little Lake Shore Line Protection

Dedicated Dredging Project (DA-37)
GPS Base Sta. ELEV. 9000

Cross Section # 8
Code Remarks

11025-07

POINT

N.G. NAT. Marsh END Line #8

" " " " " "

" " " " " "

" " " " " "

N.G. Edge of Marsh Edge of water

N.G. NAT. Bottom

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

" " " " " "

9430

929

928

927

926

9435

424

423

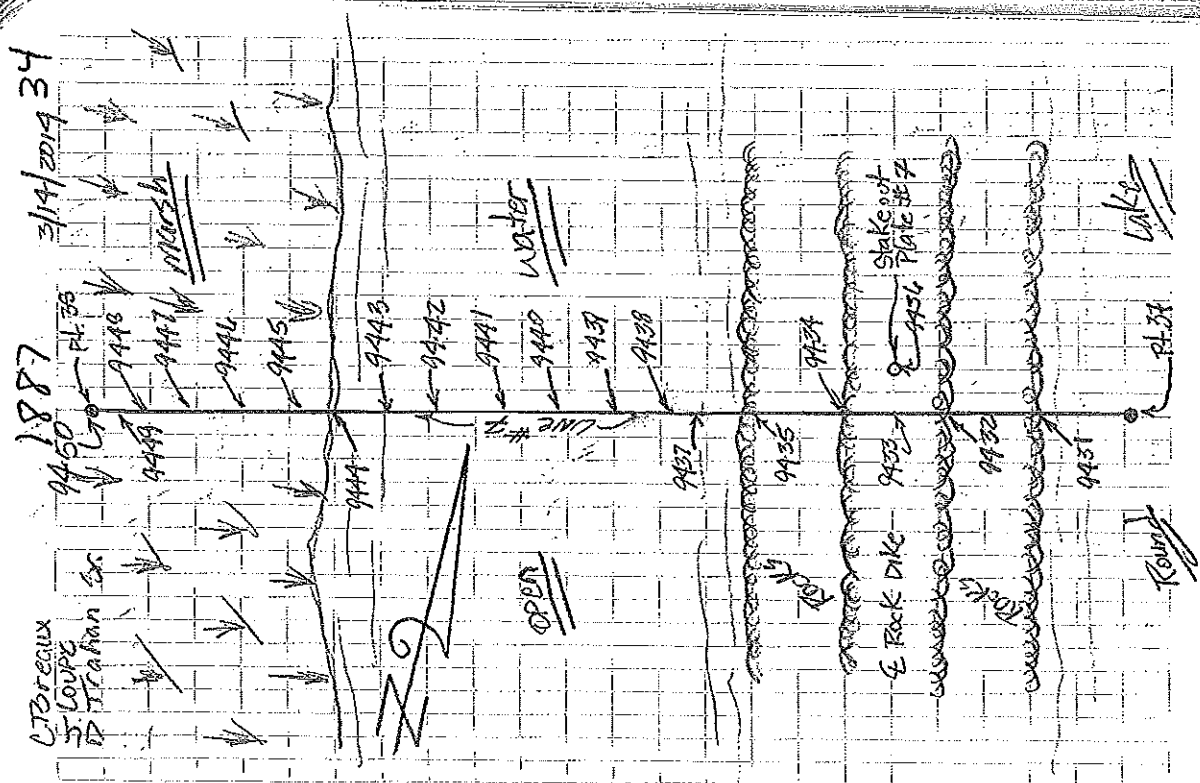
422

421

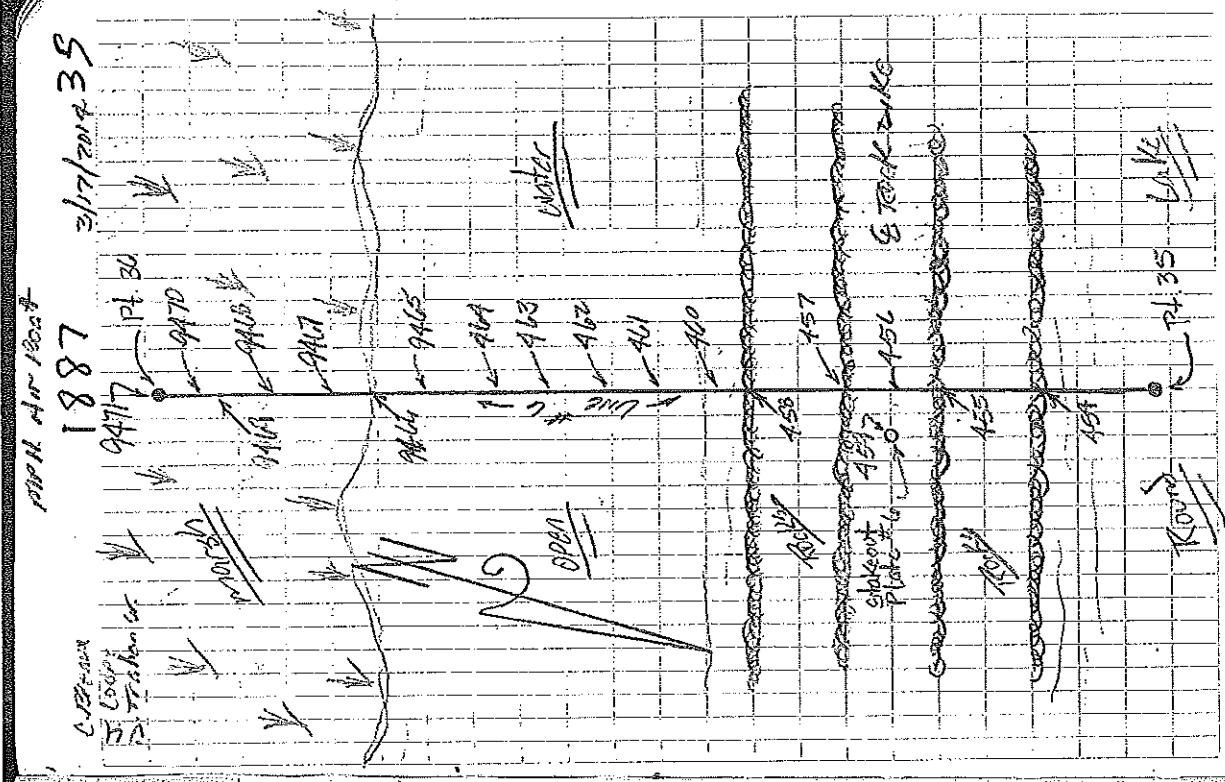
420

9419

POINT	Code	Remarks
9450	NG	max marsh end line # 7
949	"	"
948	"	"
947	"	"
946	"	"
9445	"	"
944	NG	Edge of marsh edge of water
943	NG	marsh bottom
942	"	"
941	"	"
9440	"	"
939	"	"
938	"	"
937	"	"
936	MISC	TOP OF 3" GALVANIZE PIPE w/CAP # 7
9435	TES	Edge of Rocks Edge of water
934	TDS	DOWN OF Rocks
933	TDS	"
932	TDS	"
9431	TES	Edge of Rocks Edge of water
9451	MISC	TOP OF water



11025-07	DNR Contract, No. 2503-12-14 Little Lake Shoreline Protection Dedicated Dredging Project (EA-37) GPS Base Sta. C of Pt. 9000 Cross Section #6	
Point	Code	Remarks
9452	CHK	QC TO POINT SMOZ A. 9001
Elev. L. 440	Horiz. O. 045	Ver. O. 119
F.A. 2.025 M Start Static Survey @ 9:58 AM		
400	NG	nat. marsh
404	"	"
406	NG	Edge of marsh edge of water
9405	"	nat. bottom
407	"	"
408	"	"
409	"	"
410	"	"
411	"	"
9400	"	"
459	MISC.	TOP OF 3" GALVANIZED PIPE YEAR 40
458	TES	Edge of Rocks Edge of water
457	TOB	Crown OF Rocks
456	TOB	C
9455	TOB	Crown "
454	TES	Edge of Rocks Edge of water
9453	MISC	TOP OF WATER



DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Draining Project (CA-37)
 GPS Base Sta. C.A. 9000
 Cross Section #6

1102507

POINT Code Remarks

471 NG NAT. Marsh End Line #6
 470 " " "
 946A " " "

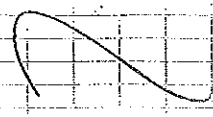
MPH Av. Post

1887

3/17/2014 36

C. Bureau
 J. Gault
 D. Trahan SA

See Page 35
 For Drawing



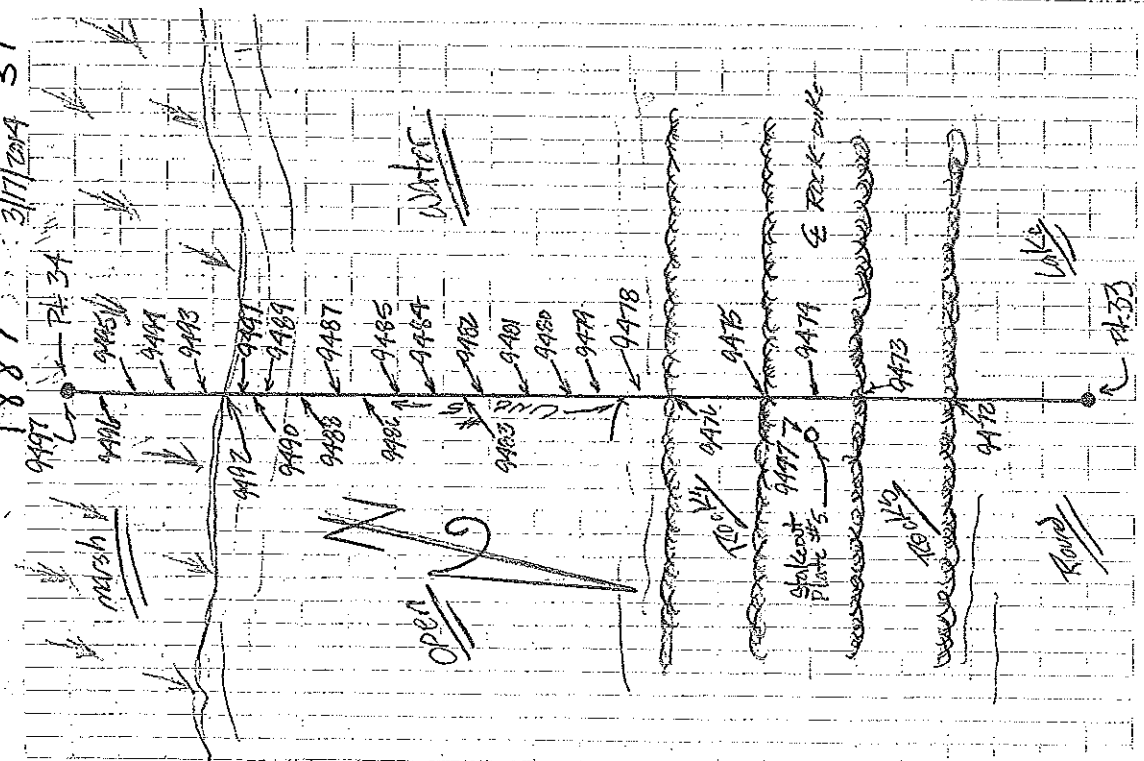
DNR's Contract No. 2505-VE-14
 Little Lake Shore Line Protection
 Dedicated Dredging Project (EA-37)
 GPS Base Sta. C at 9000
 Cross Section #5

11025-07

POINT	Code	Remarks
9490	NG	Not Bottom
489	"	"
488	"	"
487	"	"
486	"	"
9485	"	"
484	"	"
483	"	"
482	"	"
481	"	"
9480	"	"
479	"	"
478	"	"
477	misc	TOP OF 3' GALVANIZED PIPE PILE #5
476	TES	Edge of Rocks Edge of water
9475	TOB	Crown of Rocks
474	TOB	"
473	TOB	Crown "
9472	TES	Edge of Rocks Edge of water

NPH at Coast 1887

3/17/2014 37



MPH Air Boat 1887 3/17/2004 38

C. Breaux
J. Lank
D. Trahan

see Page 37
for Drawing

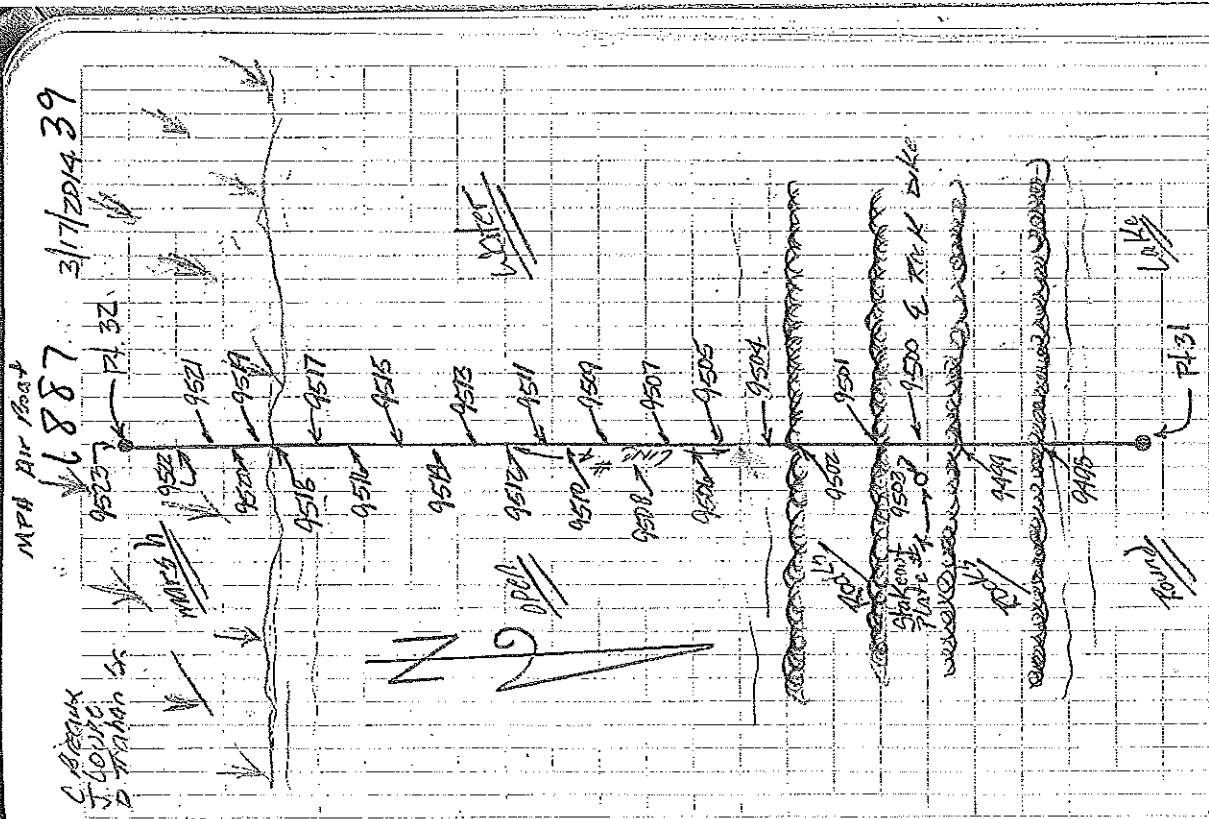
DNR Contract No. 2503-12-A
Little Lake Shoreline Protection
Dedicated dredging project (2005)
GPS Base Sta. @ Pt. 9000

Cross Section #5
Point Code Remarks

997	NG	Near Marsh	Old	Line #5
998	"	"	"	"
999	"	"	"	"
999	"	"	"	"
999	NG	Edge of	marsh	edge of water
999	"	"	"	Bottom

DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (29-51)
 CFS Base Sta. E of 9000
 Cross Section #4

POINT	Code	Remarks
9515	N4	NAF Bg. Horn
514	"	"
513	"	"
512	"	"
511	"	"
9510	"	"
509	"	"
508	"	"
507	"	"
506	"	"
9505	"	"
504	"	"
503	MISC	TOP OF 3" GALVANIZE PIPE W/ CAP #4
502	TES	Edge of Rocks Edge of water
501	705	CROWN OF ROCKS
9500	705	"
499	705	CROWN "
9498	705	Edge of Rocks Edge of water



DNR Contract No. Z503-12-A
 Little Lake Shoreline Protection
 Dedicated Dredging Project (08-07)
 GPS Base Sta. @ Pt. 9000
 Cross Section #4

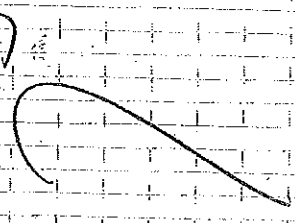
MPH Av Boat
 1887
 2/17/2014
 40
 L. Braux
 J. Coops
 D. Trahan SA

POINT Code Remarks

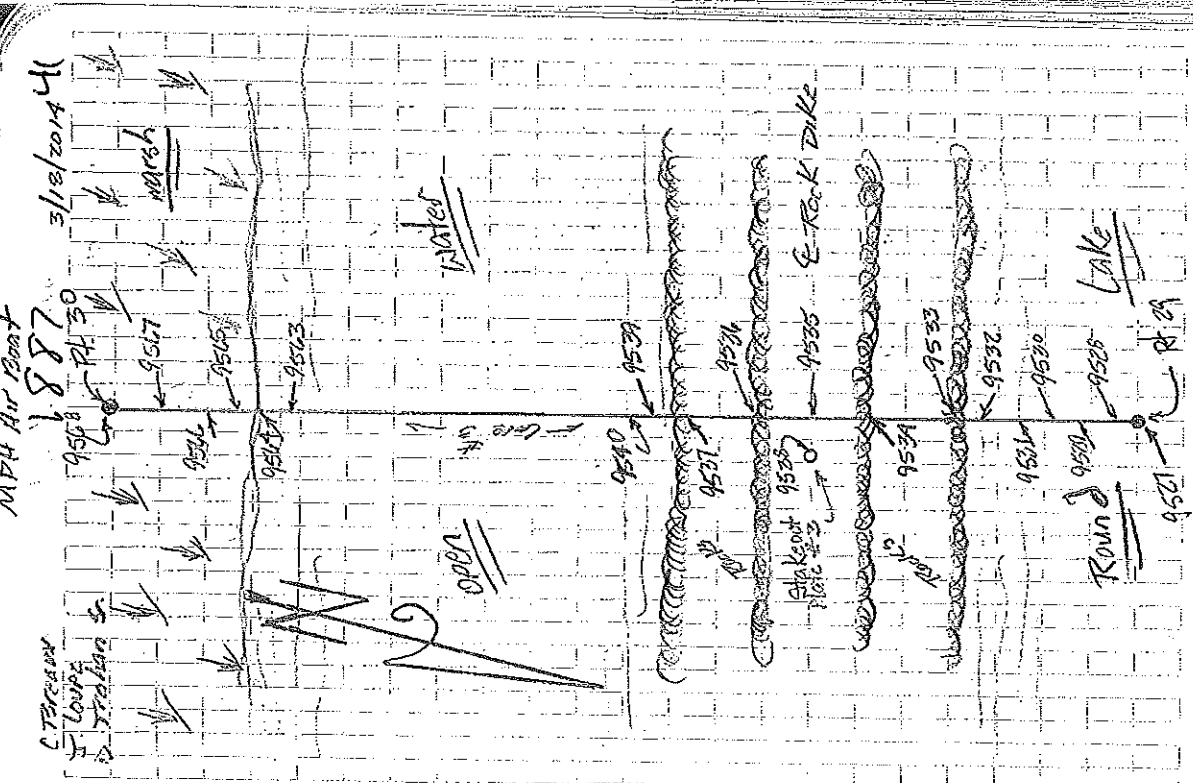
524 MISC TOP OF WATER
 523 NG NOT MARSH END OF LUNC #4
 522 " " "
 521 " " "
 9520 " " "
 519 " " "
 518 NA Edge of marsh edge of water
 517 NG NAT Bottom
 9516 " " "

See Page 39

FOR DRAWING



Point	Code	Remarks
9525	CHK	QC TO POINT 5M-02 N. 9001
Elev. G. 318		Point 0.029 Point 0.002
9540	NG	NAT. Bottom
539	"	"
538	MISC	TOP OF 2' Gabarrie Arc W/CP #3
537	TEs	Edge of Rocks Edge of water
536	TOs	Crown of Rocks
9535	TOs	"
534	TOs	Crown "
533	TEs	Edge of Rocks Edge of water
532	NG	NAT. Bottom
531	"	"
9530	"	"
529	"	"
528	"	"
527	NG	NAT. Bottom Start Limit 2
9526	MISC	TOP OF WATER



MPH Air Boat
887
3/18/2014

11025-07
DNR Contract No. 2503-1214
Little Lake Shore Line Protection
Dedicated Redging Project (2011-37)
GPS Base Sta. C.R. 9000
I.H. 2025 M Start Static Survey @ 5:35 AM
Cross Section #3

MPH Air Speed

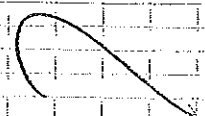
42

3/16/2014

1.887

C. Bureau
Stations
Station 50

See Page 41
For Drawing



DNR Contract No. 2503-12-14

Little Lake Shoreline Protection

Dedicated Dredging Project (09-37)

GPS Base Sta. C AT 9000

Cross Section # 3

Point Code Remarks

558 NG NAT. Bottom

557 " " "

556 " " "

9555 " " "

9554 " " "

553 " " "

552 " " "

551 " " "

9550 " " "

549 " " "

548 " " "

547 " " "

546 " " "

9545 " " "

544 " " "

543 " " "

540 " " "

9541 " " "

DNR Contract No. 2503-12-14
 Lake Lake Shoreline Protection
 Dedicated Dredging Project (CA-37)
 GPS Base Sta. c. M. 9000
 Cross Section # 3

1102507

POINT

Code Remarks

500	NG	NAT. Marsh	End Line #3
507	"	"	"
506	"	"	"
9565	"	"	"
504	NG	Edge of Marsh	Edge of water
503	NG	NAT.	Bottom
562	"	"	"
561	"	"	"
9560	"	"	"
9559	"	"	"

KPH Air Report

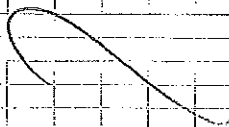
1887

C. Greaves
 S. Louie
 S. Trabanzi

3/18/2014

43

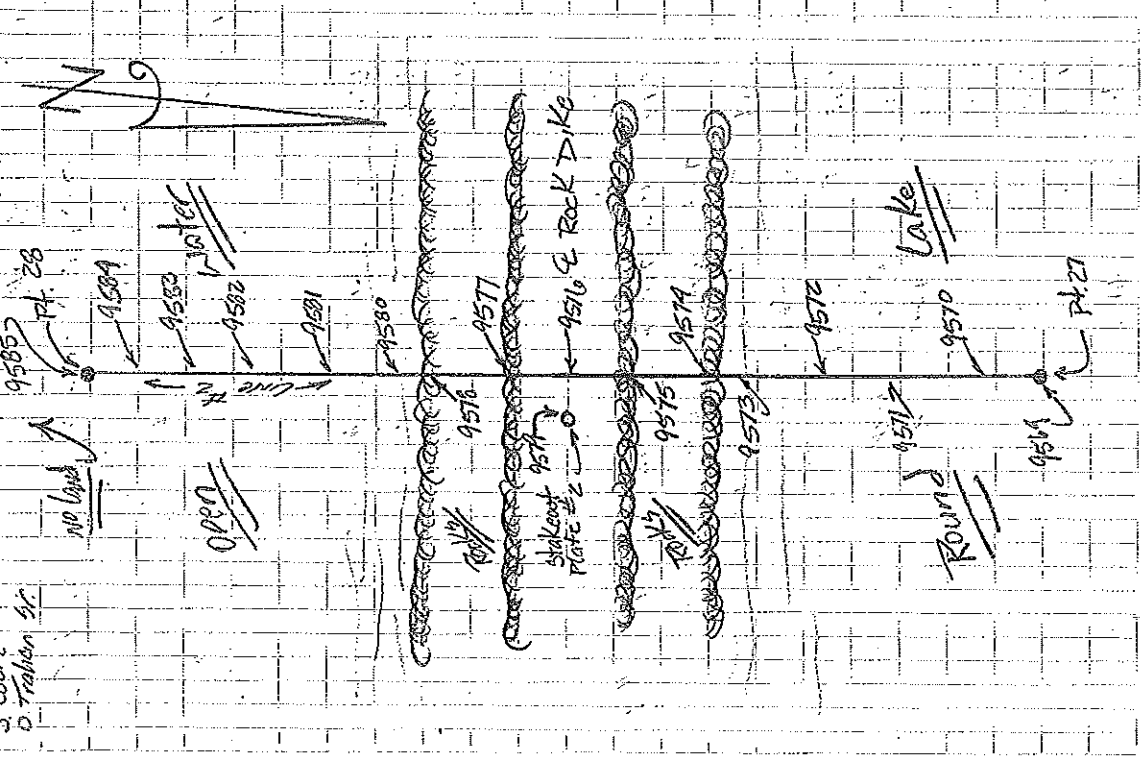
See Page 41
 For Drawing



DNR Vestibul No. 2503-13-1A
 Little Lake Shoreline Protection
 Dedicated Dredging Project (BA-37)
 GPS Base Sta. C Pt. 9000
 Cross Section # 2

Point	Code	Remarks
9585	NG	NAT. Bottom End Line #2
584	"	"
583	"	"
582	"	"
581	"	"
9580	"	"
579	misc	TOP OF 3" Galvanized Pipe #2
578	TES	Edge of Rock's Edge of Water
577	TD6	Crown of Rock's
576	TD6	"
9575	TD6	"
574	TES	Edge of Rock's Edge of Water
573	NG	NAT. Bottom
572	"	"
571	"	"
570	"	"
9569	NG	NAT. Bottom Begin Line #2

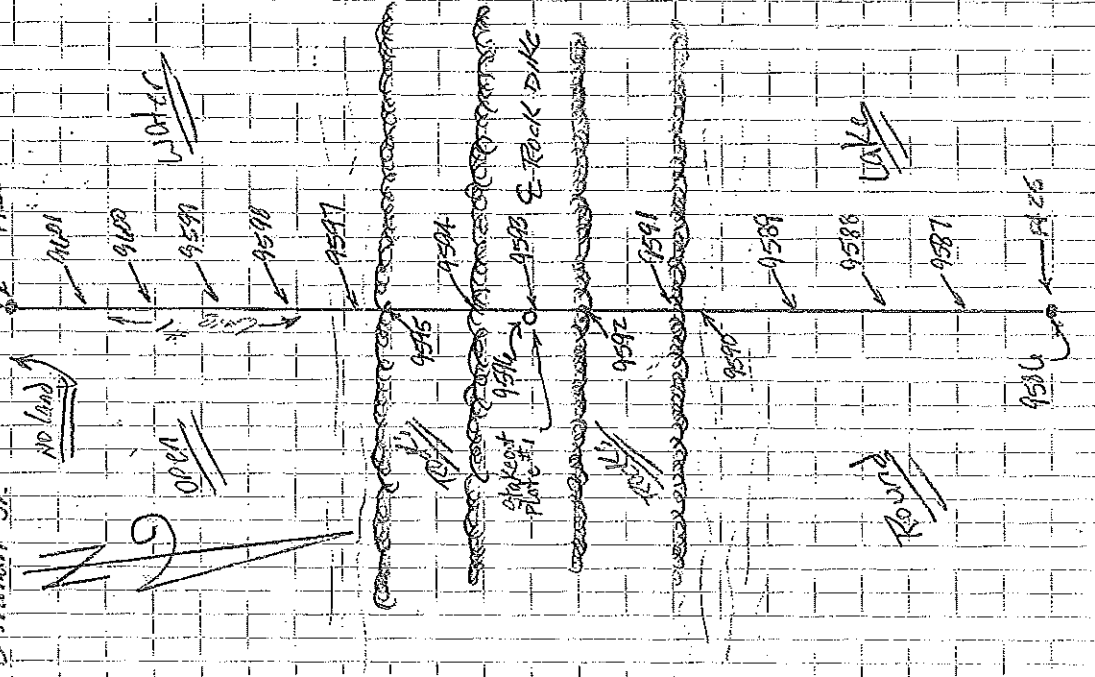
1887
 3/18/2014
 44
 C. Beaux
 S. Cooper
 D. Traban Jr.



POINT	Code	Remarks
11025-07	DNR Contract No. 2503-12-14	Little Lake Shoreline Protection.
	Dedicated Dredging Project (25-37)	GPE Base Sta. C. M. 9000
	Cross Section #1	
	NG	NAT. Bottom end Line #1
602	"	"
601	"	"
9600	"	"
599	"	"
598	"	"
597	"	"
596	MISC	TOP OF 3" GALVANIZED PIPE. YEAR #1
9595	TE'S	Edge of Rocks Edge of Water
594	TO'S	Crown of Rocks
593	TO'S	"
592	TO'S	"
591	TE'S	Edge of Rocks Edge of Water
9590	NG	NAT. Bottom
589	"	"
588	"	"
587	"	"
9586	NG	NAT. Bottom Begin Line #1

1887 3/18/2014

C. Breane
S. Lowe
E. Trehan Sr.



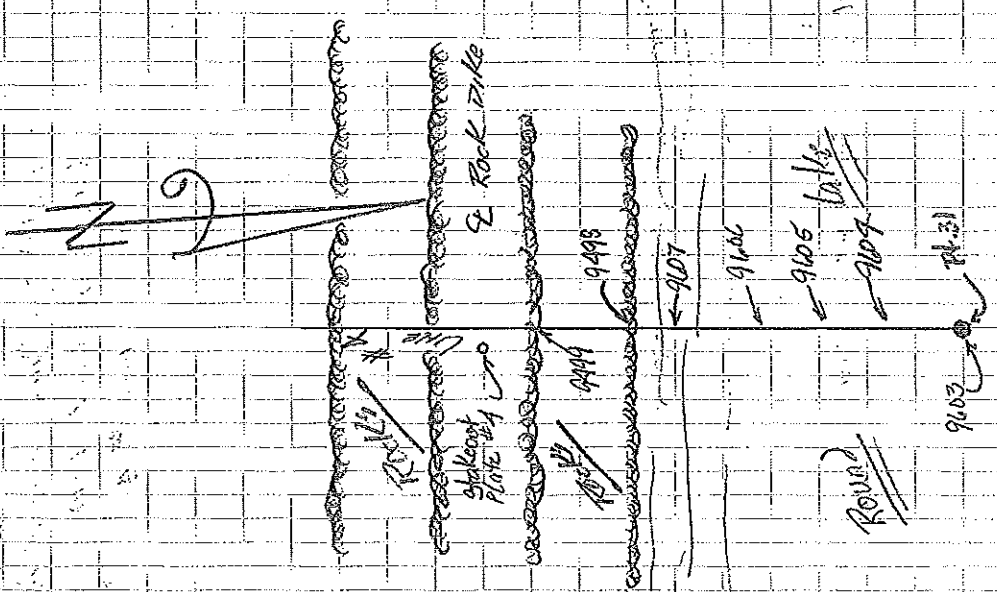
1887 3/13/2017 46

C. T. B. R. A. U. X.
J. C. W. I. N. G.
P. T. R. A. N. S. G.

DNR Contract No. 2503-12-A
Little Lake Shoreline Protection
Dedicated Dredging Project (BA-57)
GPS Base Sta. C At 9000
Cross Section # 4

POINT Code Remarks

607 NG NAT. Bottom
606 " " "
9105 " " "
604 " " "
9003 NG NAT. Bottom Begin Line # 4



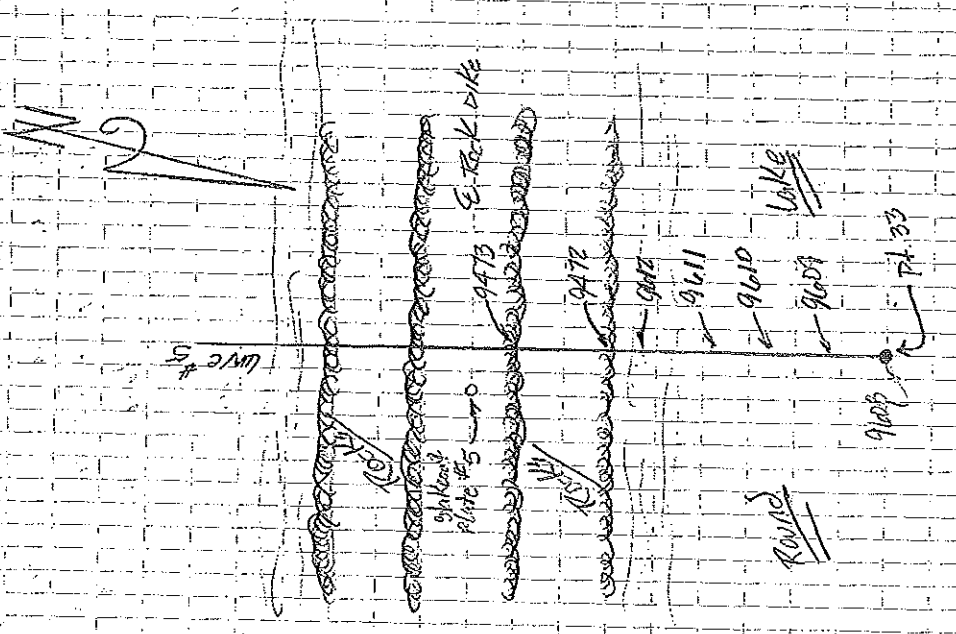
Continued From Page 39

DNR Contract No. Z503-12-14
 Little Lake Shore Line Protection
 Dredging Project (CA-37)
 GPS Base Sta. & A. 9000
 Cross Section # 5

Point Code Remarks

9611	NG	NAI	Bottom
9610	"	"	"
9609	"	"	"
9608	NG	NAI	Bottom Region Cont. # 5

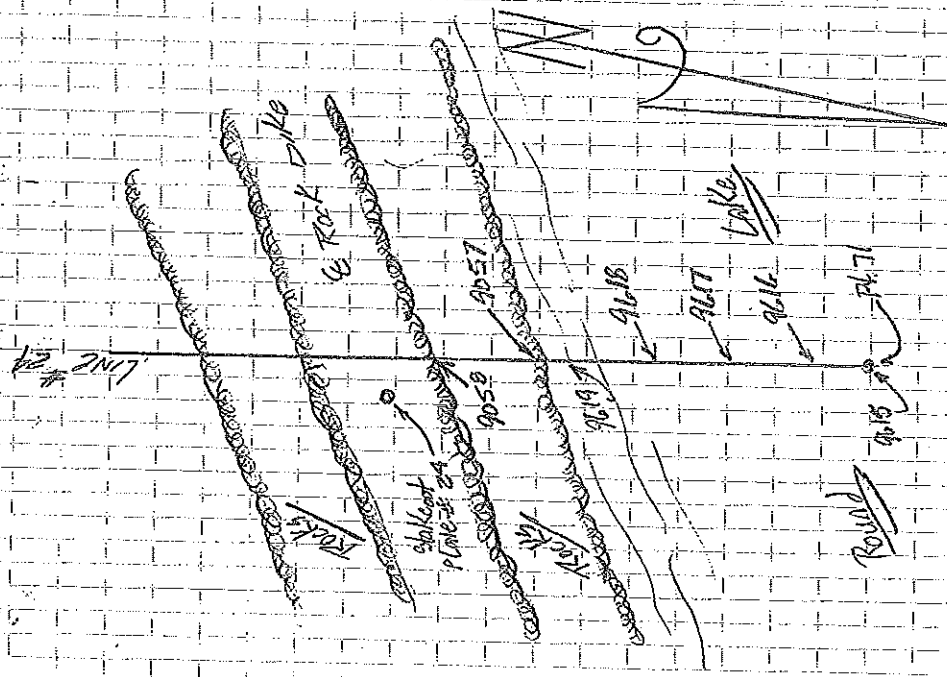
1887
 3/18/2014
 C. Brown
 J. Louie
 A. Tashiro, Jr.



Continued From Page 37

1887 3/19/2014 48

C. Brown
 F. Louie
 D. LeBoeuf



Continued From Page 9

Point	Code	Remarks
1025-07	DNIR	Contract No. 2503-12-14
		Little Lake Shoreline Protection
		Dedicated Dredging Project (20-27)
		GPS Base Sta. CP 9000
		Cross Section # 24
9613	CHK	QC TO POINT SM-02 AT 9001
Elev. 6.296		MARK. 9053 V-MARK 0.025
619	NG	NAT. Bottom
618	"	"
617	"	"
616	"	"
9615	NG	NAT. Bottom BEGIN LINE # 24
9614	MISC	TOP OF WATER

DNR District No. 2503-1014
 Little Lake Shoreline Protection
 Dedicated Dredging Project (CA-31)
 GPS Base sta. C at 9000
 Cross Section # 23

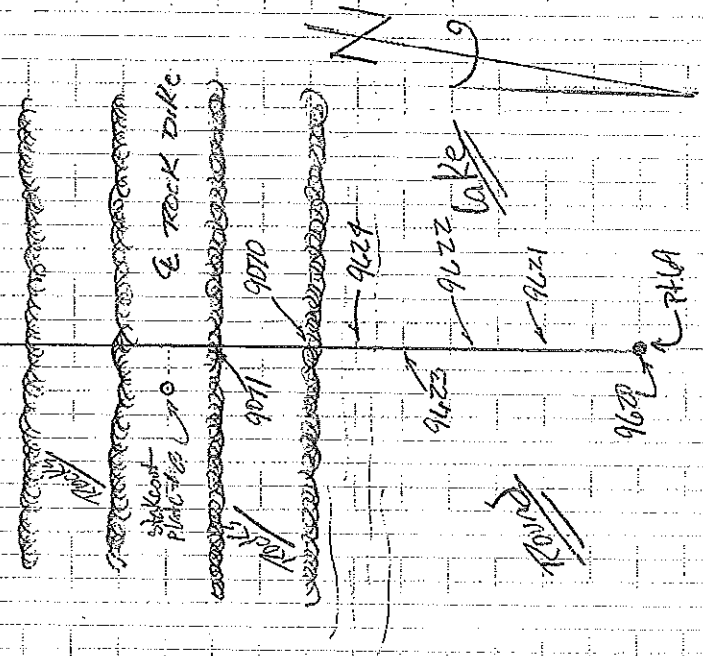
C. Braun
 J. Gouff
 D. LeBeauf

1887

3/19/2014 49

11025-07

POINT
 Code
 Remarks



9229	NG	NAT.	Bottom
9228	"	"	"
9227	"	"	"
9620	NG	NAT.	Bottom Page 10 Line # 23

Continued From Page 10

3/19/2014

1887

Craven
S. Lowe
D. LeBoeuf

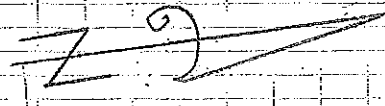
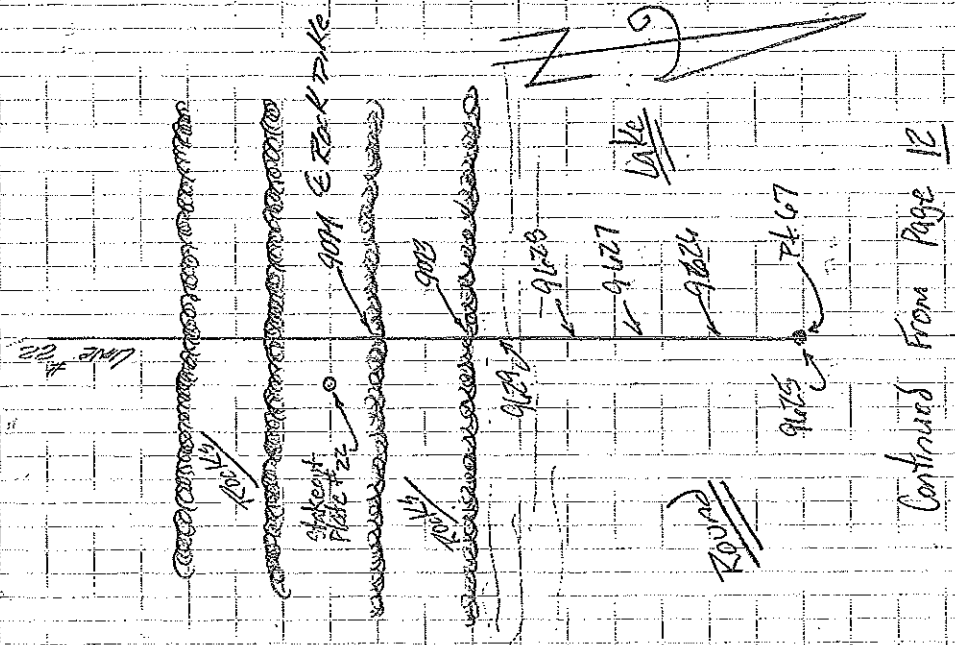
DNR Contract No. 2503-12-14
Little Lake Shoreline Protection

Dedicated Dredging Project (2A-37)
GPS Base Sta. @ A. 9000
Cross Section # 22

POINT Code Remarks

629	NG	NAT.	Bottom
829	"	"	"
129	"	"	"
929	"	"	"
529	NG	NAT.	Bottom

9625 Bottom Line # 22



Continued From Page 12

DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (2015)
 GPS Base Sta. @ Pt. 9000
 Cross Section # 21

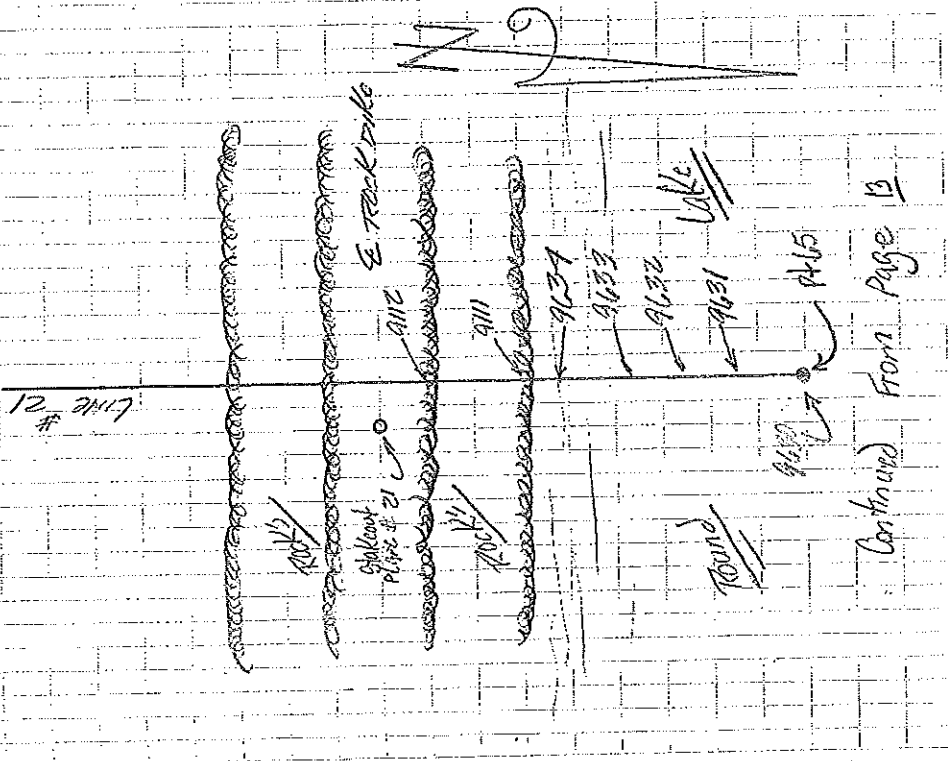
11025-07

POINT
 Code
 Remarks

634 NG NAT Bottom
 633 " " "
 632 " " "
 631 " " "
 9630 NG NAT Bottom Begin Line # 21

1887 3/19/2014 51

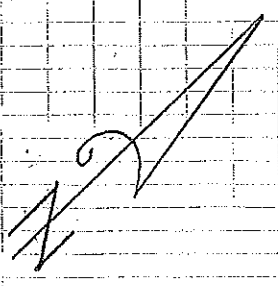
C. TREMBLE
 S. BOYCE
 D. LeBoeuf



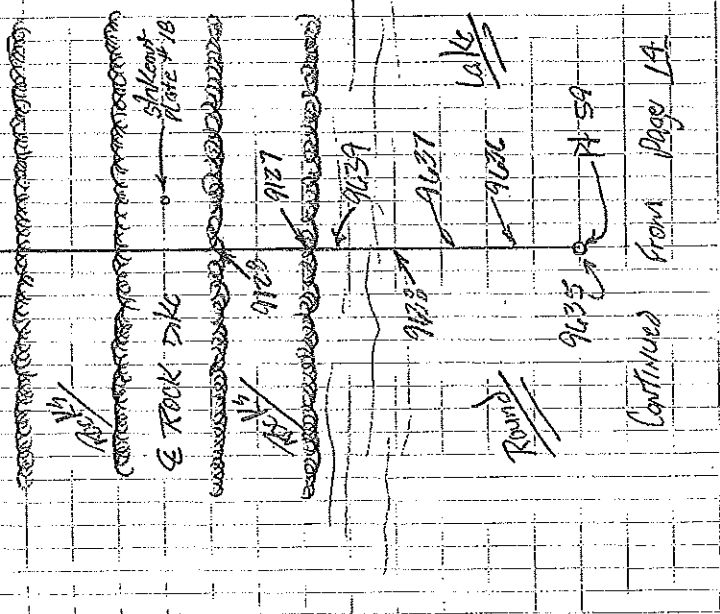
DNR Contract No. 2503-12-14
 Little Lake Shore Line Protection
 > CD 10ated Dredging Project (29A-37)
 GPS Base Sta. E 77,900
 Cross Section # 18

POINT	CODE	REMARKS
634	NG	Bottom
638	"	"
637	"	"
636	"	"
9635	NG	Bottom Begin Line # 18

1887
 2/19/2014
 52
 C. Brown
 D. Lewis
 A. LeBeauf



Line # 18



Continued from page 14

11025-07 DNR Contract No. 2503-12-14
 Little Lake Shore Line Protection

Dedicated Dredging Project (PA-57)
 GPS Base Sta. C at 9000

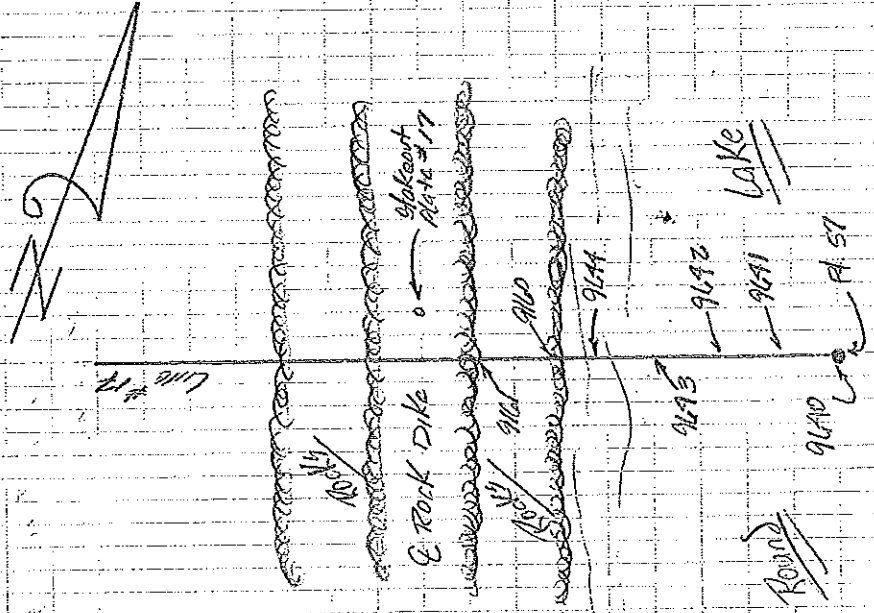
Cross Section #17

Point Code Remarks

9645	MISC	TSP	OF	Water
9644	NA	NAT.		Bottom
9649	"	"	"	"
9642	"	"	"	"
9641	"	"	"	"
9640	NA	NAT.	Bottom	Begin Line #17

1877 5/19/07 53

C. Breau
 J. Louis
 D. LeBeauf



Continued From Page 16

11025-07 DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection

Dedicated Dredging Project (BA-37)

GPS Base Sta. C #1 9000
 Cross Section # 16

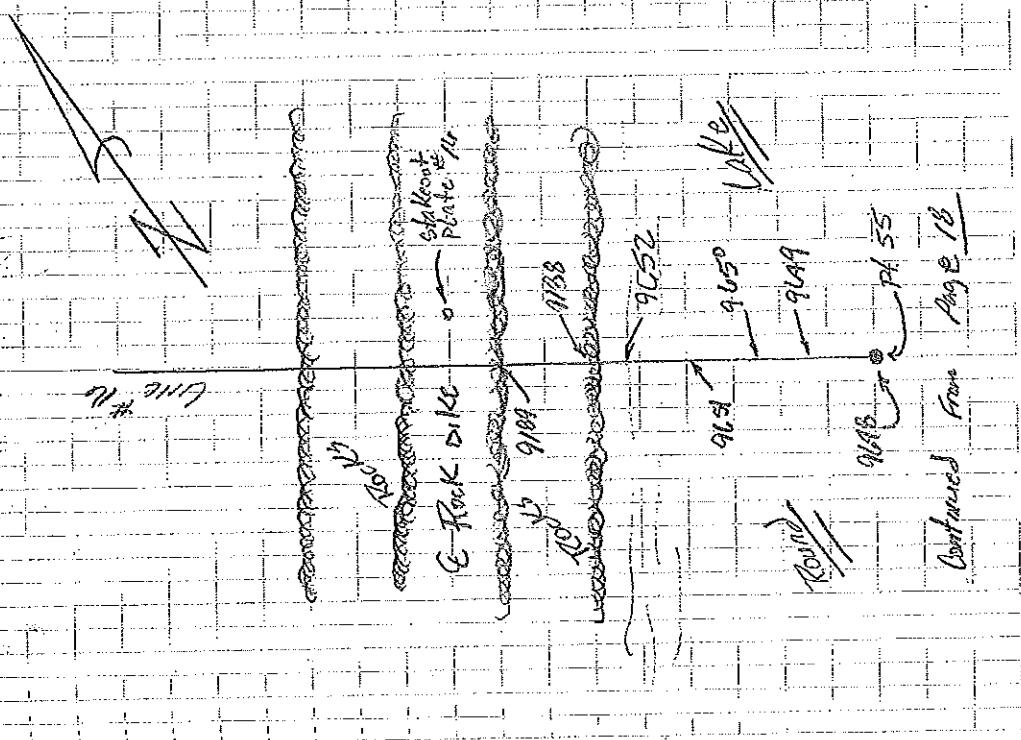
Point	Code	Remark's
9646	CHK	QC TO POINT 9A-02 PL 9001
Elev. 6.308		H=Dist. 0.031 V=Dist. 0.012

652	NG	NAT Bottom
651	"	"
9650	"	"
649	"	"
640	"	" Begin line # 10
9647	misc	TOP OF WATER

1887

3/20/2014 54
 Romper Pole HT 9.70
 3-sections

C. Green
 10116
 D. 6600000



1887 3/20/2019 55

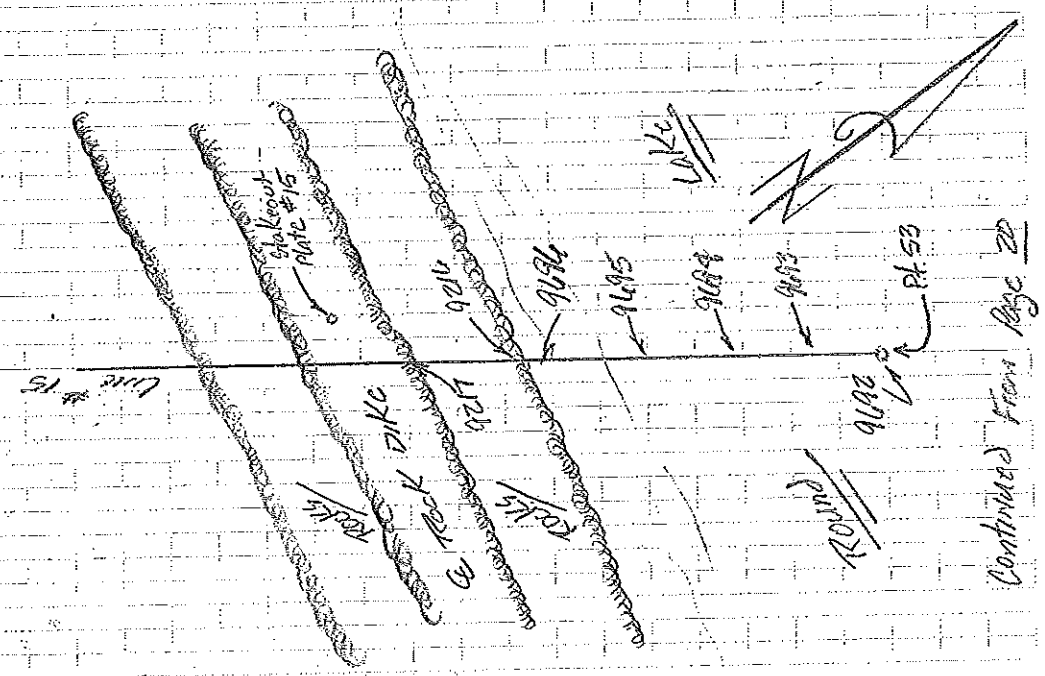
C. Proulx
J. Lowe
D. Casavant

DNR Contract No. 2503-12-14
Little Lake Shoreline Protection
Dedicated Dredging Project (2017)
GPS Base Sta. C At 4000
Cross Section #15

1102507

POINT CODE REMARKS

POINT CODE	REMARKS
9696	NAT. Bottom
9695	" "
9694	" "
9693	" "
9692	NAT. Bottom Major Line #15



1.887 3/20/2014

L. Braux
J. Couffé
D. Leboeuf



DNR Contract No. Z503-12-14

Little Lake Shoreline Protection

Dedicated Dredging Project (BA-37)

GPS Base Sta. C At 9000

Cross Section #14

Point Code Remarks

11025-07

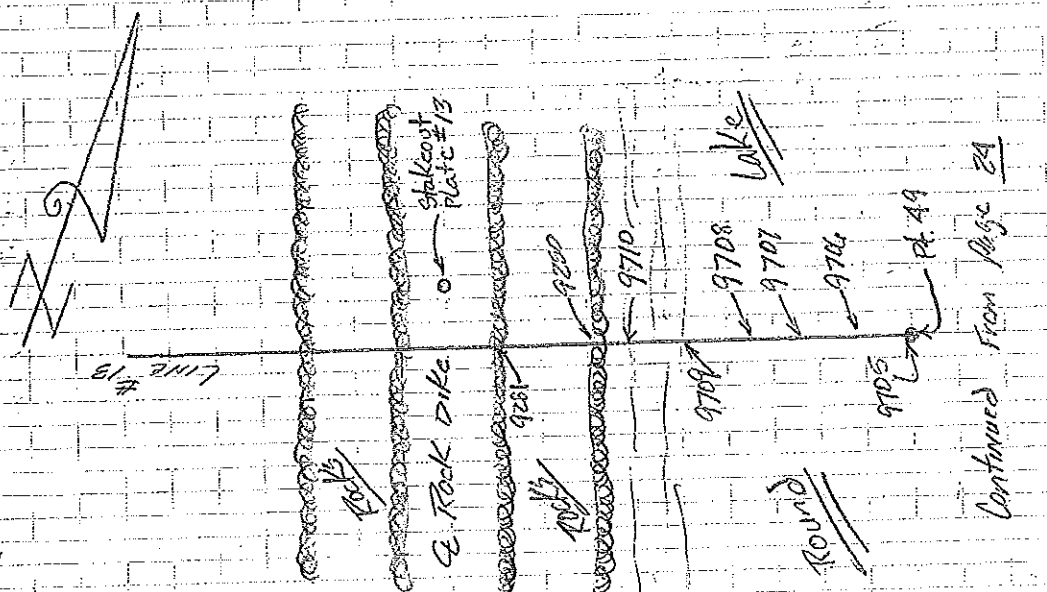
TOZ	misc	TOP OF WATER
701	NG	NAT. Bottom
9700	"	"
6A9	"	"
6A8	"	"
9697	NG	NAT. Bottom Begin Line #14

Continued From Page 22

1887 3/21/2014 51

C. Prospect
H. Lower
D. Conduit

DNR Contract No. 2503-12-14
Little Lake Shore Line Protection
Dedicated Dredging Project (2013)
GPS Base Sta. e. of 9000
Cross Section # 13



Continued from page 24

11025-07

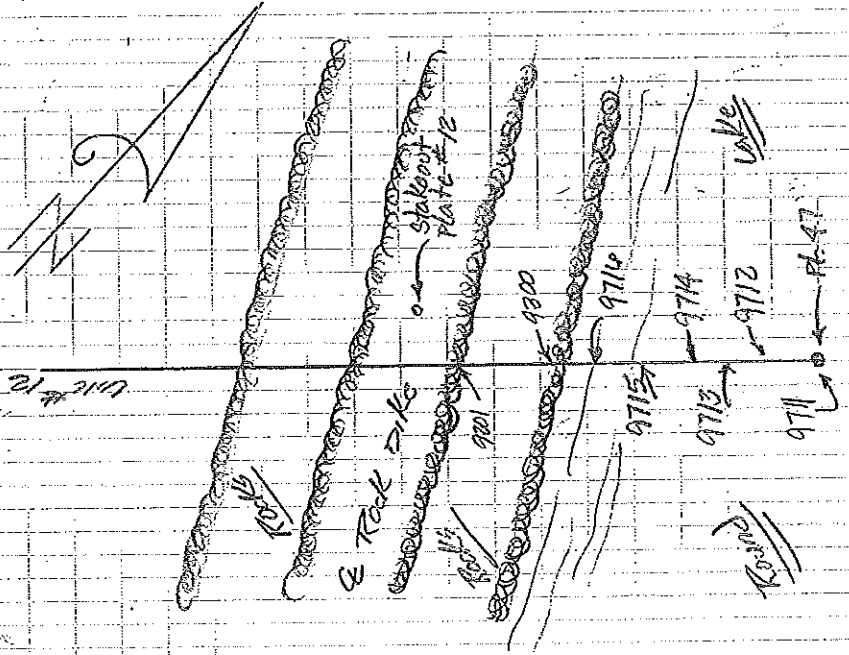
POINT	Code	Remarks
9703	CHK	QC TO POINT 9702 Pt. 9001
Elev.	6.394	HEIGHT 0.043 V-INST 0.023
9710	NG	NAT. Bottom
709	"	"
708	"	"
707	"	"
706	"	"
9705	NG	NAT. Bottom Begin Line # 13
9704	MISC	TOP OF WATER

1887 3/26/2014 58

C. Bureau
S. Loupe
D. LeBoeuf

DNR Contract No. 2503-12-14
Little Lake Shoreline Protection
Dedicated Dredging Project (2013)
GPS Base Sta. c. A. 9000
Cross Section # 12

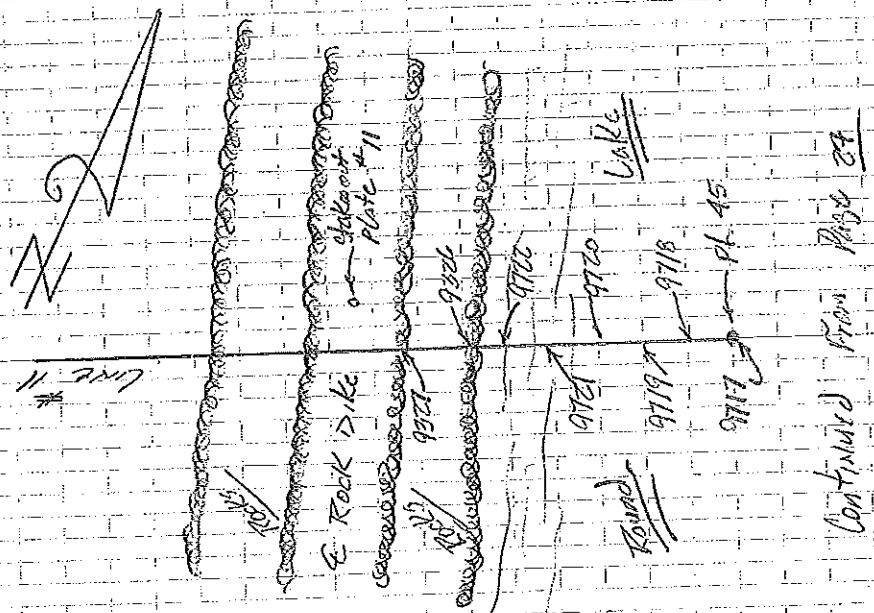
POINT	Code	Remarks
9716	NAT. Bottom	
9715	"	
714	"	
713	"	
712	"	
9711	NAT. Bottom Beginning Line # 12	



Continued From Page 25

1887 3/21/2014 59

C. P. Lewis
D. Lesourd



Continued From Page 24

DNR Contract No. 2503-12-14
Little Lake Shoreline Protection
Dedicated Tredging Project (24-37)
GPS Base Sta. @ Pt. 4000
Cross Section # 11

11025-03

POINT CODE REMARKS

722	NG	NAT. Bottom
721	"	"
720	"	"
719	"	"
718	"	"
9717	NG	NAT. Bottom Begin Line # 11

11025-07 DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (20-37)
 GPS Base Sta. CAT 9000
 Cross Section #10

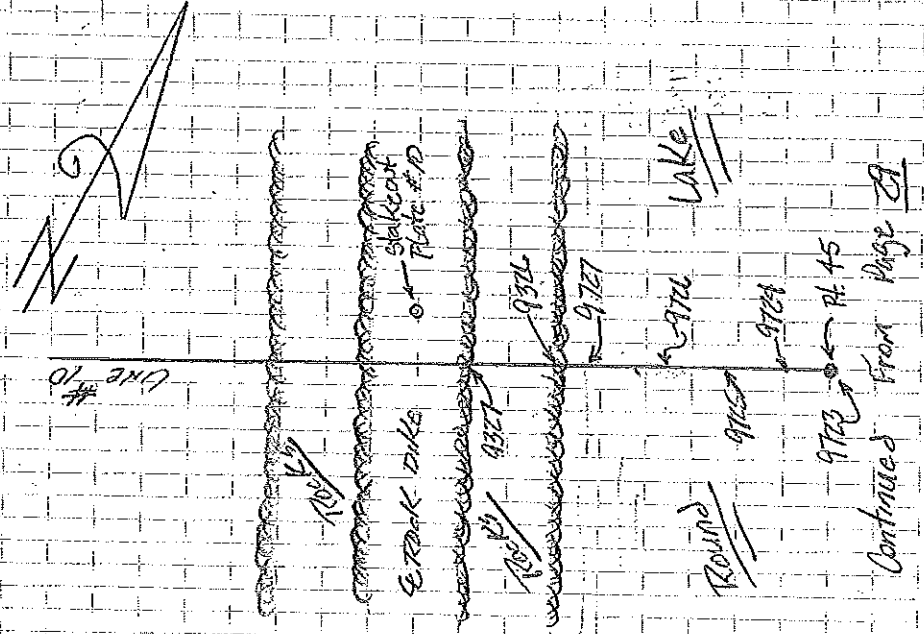
Point Code Remarks

728 misc TOP OF water
 729 NAT. Bottom
 726 " " "
 9725 " " "
 724 " " "
 9723 NAT. Bottom Begin Line #10

C. Brown
 J. Louie
 D. Lebowitz

1887

3/21/2014 60



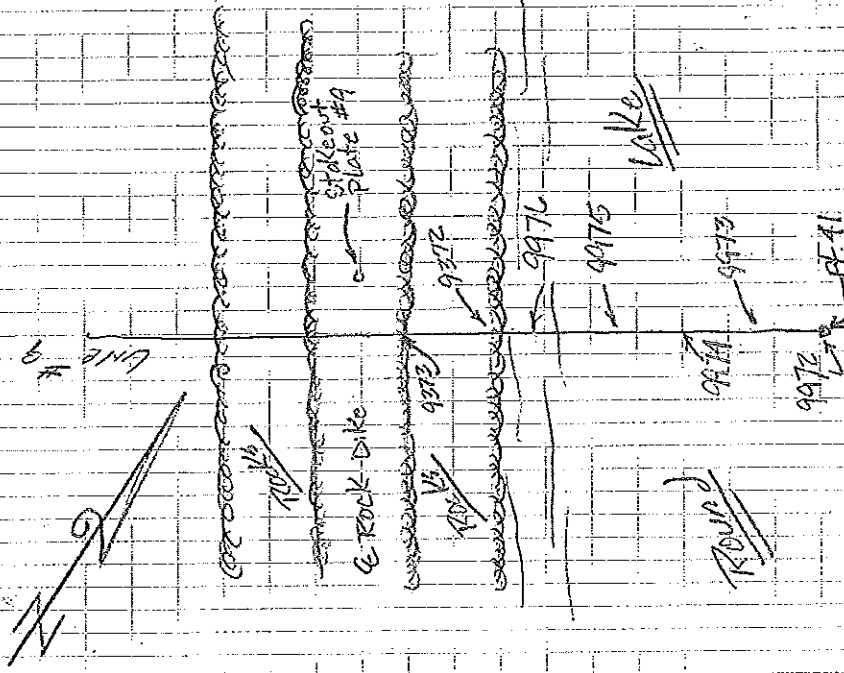
11025-07 DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (BA-37)
 GPS Base Sta. CA 9000
 Cross Section

POINT CODE REMARKS
 9970 CHK QC TO POINT BM-02 AT 9001
 ELEV 6.308 H-DIST. 0.047 V-DIST. 0.013

9976 NG NAT. Bottom
 9975 " " "
 9974 " " "
 9973 " " "
 9972 NG NAT. Bottom Begin Line #9
 9971 misc TOP OF WATER

1887 3/28/2014 61
 Range Pole Ht. 9.70
 3-Section

C. BIRROX
 S. COVINS
 D. TRAMER

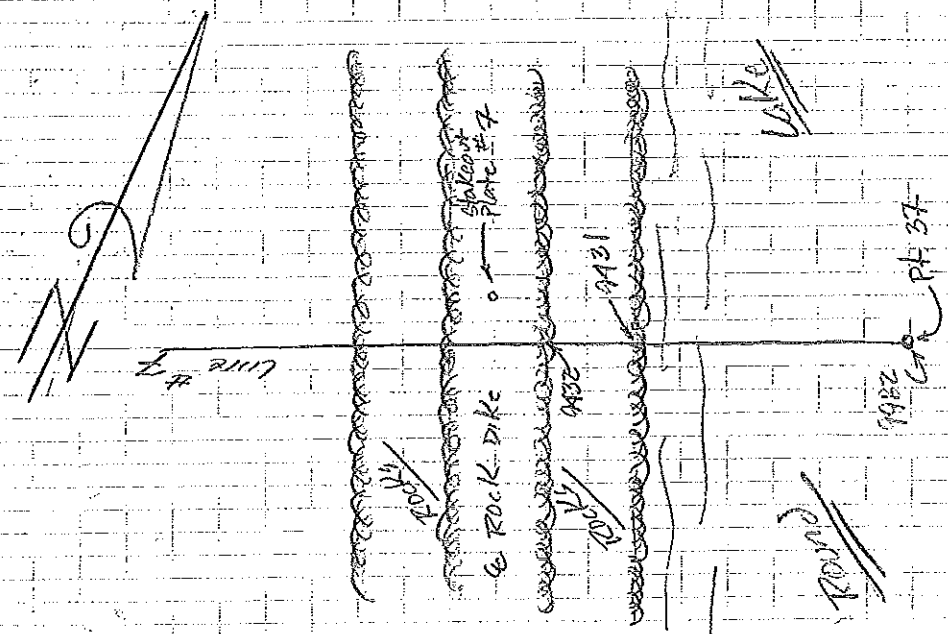


Continued From Page 630

DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (24-57)
 GPS Base Sta. @ Pt. 9000
 Cross Section #7

1887 3/28/2014 63

C. Toombs
 J. Looft
 D. Trachanov



Continued From Page 34

1102507

POINT Code Remarks

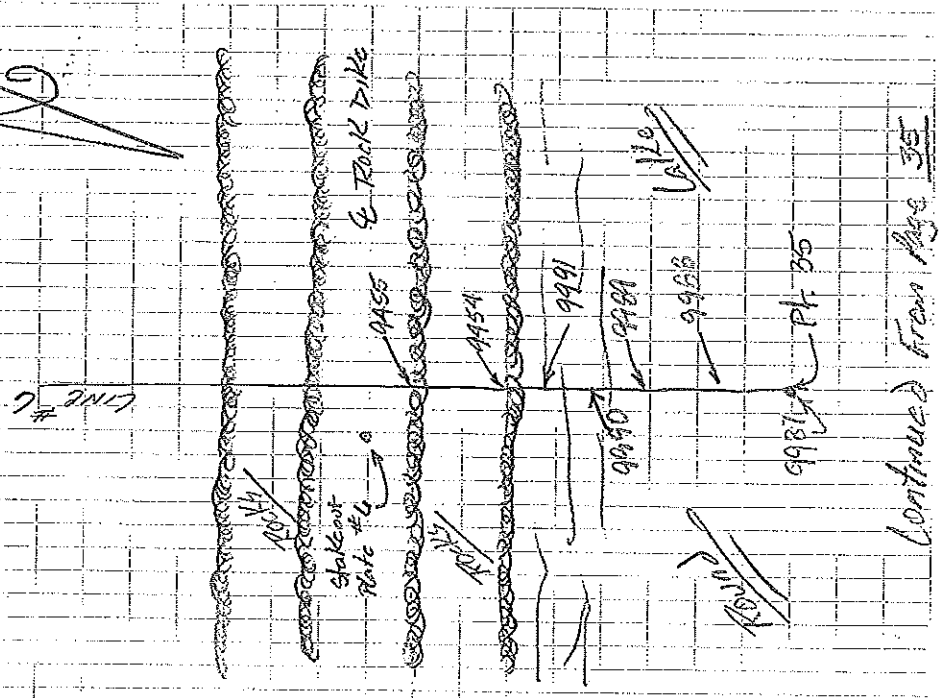
984	NG	NAT. Bottom
985	"	"
984	"	"
983	"	"
9482	NG	Nat. Bottom Beyond Lake #7

DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (SAP)
 GPS Base Sta. & Pt.
 Cross Section #6

1887 3/28/2014 64
 C. Breaux
 J. Goff
 D. Mahan Sr.
 Continued in Book 1938

POINT Code Remarks

POINT	Code	Remarks
9992	MISC	TOP OF WATER
991	NG	NAT. Bottom
9990	"	"
989	"	"
988	"	"
9987	NG	NAT. Bottom Begin Line #6

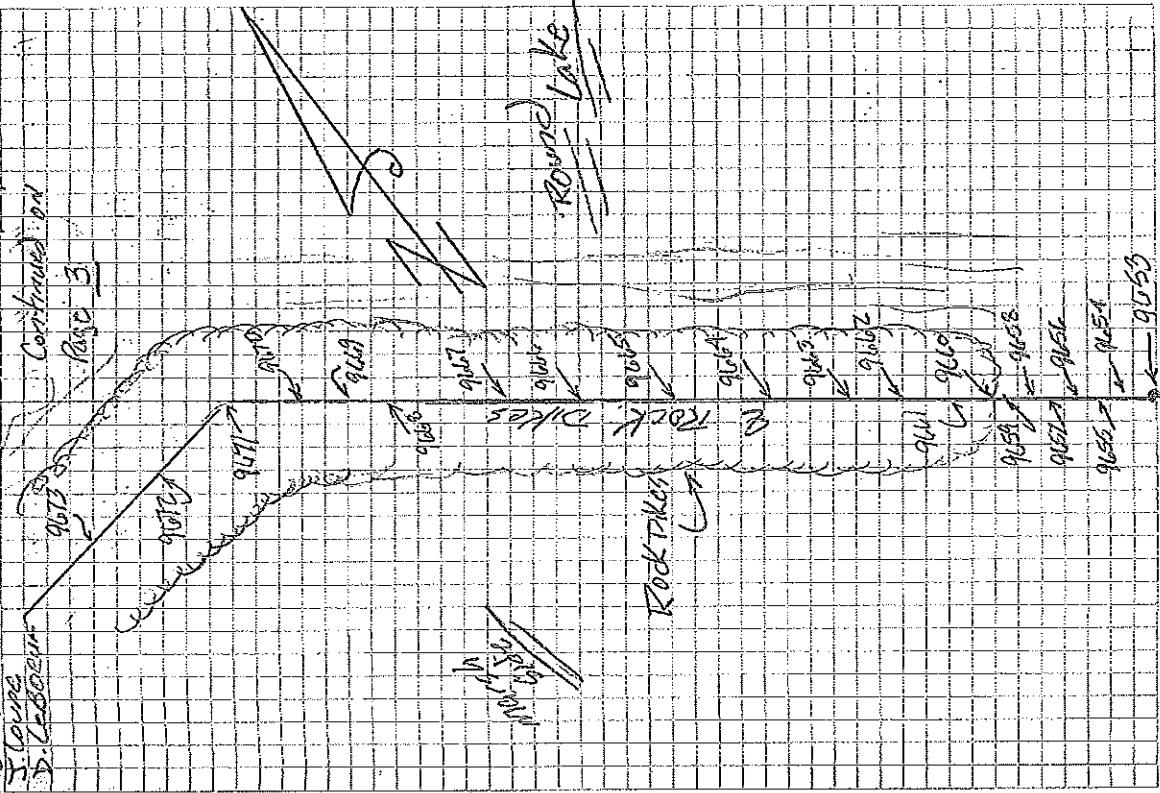


Continued from Page 35

MPH AIR BOAT
1938

3/20/2014

C. Brown
F. Love
D. LeBoeuf



Job #	DNR Contract No.	Project Name	Point Code	Remarks
1025-07	2503-12-1A	Little Lake Shoreline Protection		
		Dedicated Dredging Project (2A-37)		
		CPS Base Sta. @ 9000		
		Survey TOP E OF ROCK DIKES		
9646		CHK	QC TO POINT 5M-02 A.9001	
Elev. 6308			Point 0.031	1015T 0.012
664		TOP	TOP E OF ROCK DIKE	
665		"	"	"
667		"	"	"
666		"	"	"
9665		"	"	"
664		"	"	"
663		"	"	"
662		"	"	"
661		TOP	CROWN OF ROCKS	
9660		TES	Edge of Rocks	Edge of water
659		NG	NAT	Bottom
658		"	"	"
657		"	"	"
656		"	"	"
655		"	"	"
654		"	"	"
9653		NG	NAT.	Bottom

MPH Air Boat

1988

3/20/2014

C. Brennan

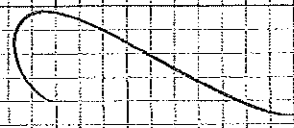
Y. Louff

D. L. ...

Job #	DNR Contract No.	Location / Project	Remarks
1102507	1102503-12-1A	Little Lake Shoreline Protection	
		Dedicated Praying Project (PM-37)	
		GPS Base Sta. C. H. 9000	
		SUNNYTOP E OF ROCK DIKES	
Point	Code	Remarks	
673	TOP	TOP E OF ROCK DIKE	
672	"	"	
671	"	"	
9670	"	"	

See Page 1

For Drawing



Job #

DNR Contract No. 2503-12-1A

Little Lake Shoreline Protection

Dedicated Dredging Project (20A-37)

GPS Base Sta. C.A. 9000

Survey TOP & OF ROCK DIKES

Point Code Remarks

681 TOP OF ROCK DIKE

9690 " " " "

689 " " " "

688 " " " "

687 " " " "

686 " " " "

9685 " " " "

684 " " " "

683 " " " "

682 " " " "

681 " " " "

9680 " " " "

679 " " " "

678 MISC TOP OF 3' GALVANIZED PIPE w/ TOP #29

677 TOP OF ROCK DIKE

676 " " " "

675 " " " "

9674 " " " "

MPH AIR BOAT

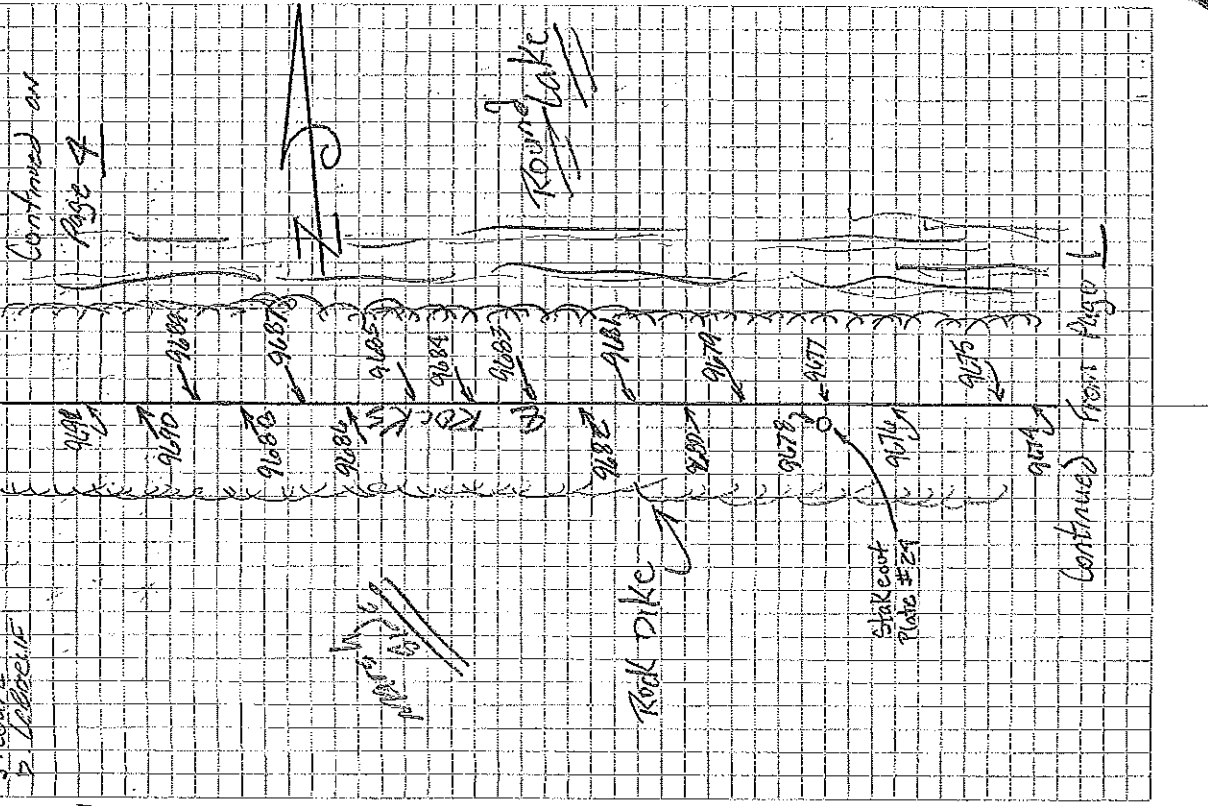
1938

3

C. SPANX

J. COOPER

D. DEBBEWE



Continued on Page 4

Continued from Page 1

Job #

DNZ Contract No. 2503-12-A

11025-07
 Little Lake Shoreline Protection
 Redacted Dredging Project (BA-37)
 GPS Base Sta. @ Alt. 9000
 Survey Top E of Rock Dikes

Point	Code	Remarks
71A	TOS	TOP E OF ROCK DIKE
763	"	"
762	"	"
761	"	"
9760	"	"
759	"	"
758	"	"
757	"	"
756	"	"
9755	"	"
759	"	"
753	"	"
752	MISC	TOP E OF 8" GALVANIZED PIPE w/ CAP # 23
751	TOS	TOP E OF ROCK DIKE
9750	"	"
749	"	"
746	"	"
9747	"	"

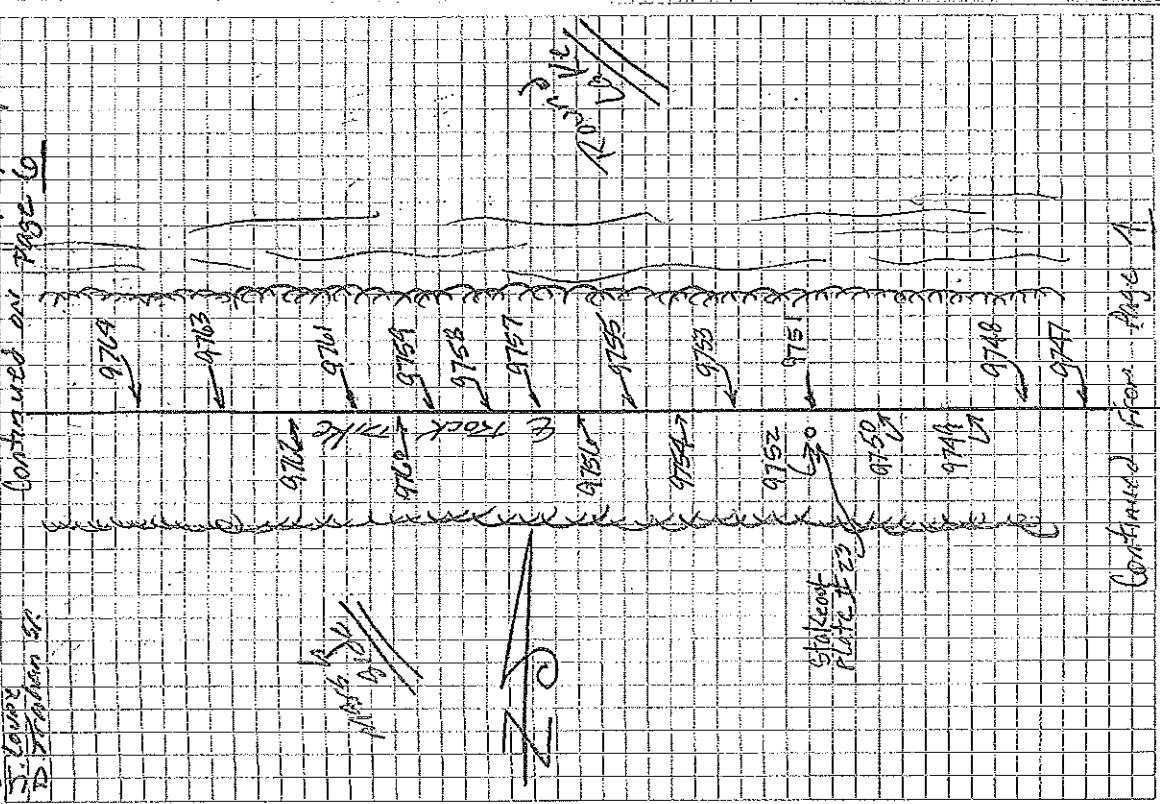
MPN AN 130AT

1938

3/25/2014

C. Brown
 Survey Station #

Continued on Page 6



Continued from Page 1

Job #

DNR Contract No. 2503-12-14

Little Lake Shore Line Protection

Dedicated Dredging Project (BA-37)

GPS Base Sta. C.R. 9000

Survey Top E of Rock Dikes

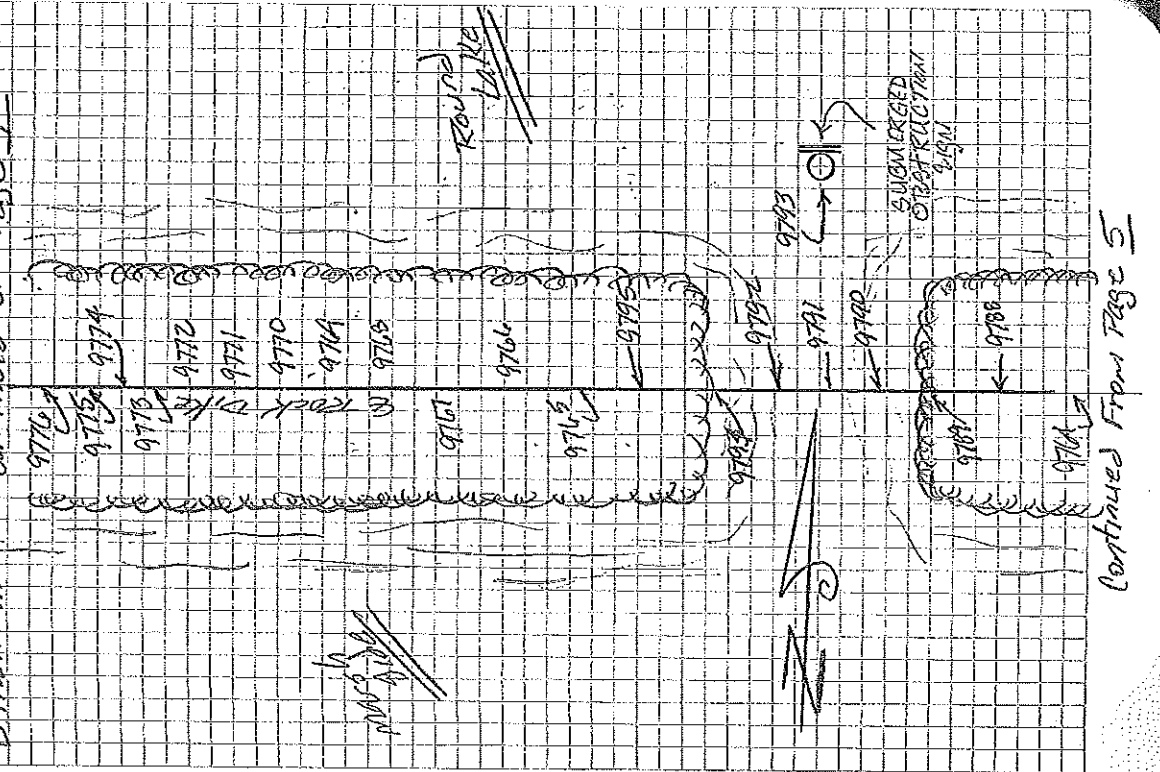
Point	Code	Remarks
776	TOS	TOP E OF ROCK DIKES
9775	"	" " " "
774	"	" " " "
773	"	" " " "
772	"	" " " "
771	"	" " " "
9770	"	" " " "
769	"	" " " "
768	"	" " " "
767	"	" " " "
766	"	" " " "
9765	TOS	TOP E OF ROCK DIKE
9764	TOS	CROWN OF ROCKS
9764	TES	EDGE OF ROCKS Edge of water
9763	MISL	wooden Piling w/ sign on it
9762	NS	NAT. Bottom ROCKS
9761	"	" " " "
9760	"	" " " "
9759	TES	Edge of ROCKS Edge of water
9758	TOS	CROWN OF ROCKS

MPR AIR TBOAT

1938

3/25/2014

Continued on Page 4



Continued From Page 5

Job #

DNR Contract No. 2503-12-14

Little Lake Shore Line Protection

Dedicated Dredging Project (CA-37)

GPS Base Sta. Cont. 9000

Survey Top E. of Rock Dikes

POINT	Code	Remarks
9804	N/G	North Station Rocks
803	"	" "
802	TES	Edge of Rocks Edge of water
801	TDS	Crown of Rocks
9800	"	TOP E. OF ROCK DIKES
799	"	" "
798	"	" "
797	"	" "
9796	"	" "
9785	MISC	TOP OF WATER
784	TOS	TOP E. OF ROCK DIKES
783	"	" "
782	"	" "
781	"	" "
9780	"	" "
779	"	" "
778	MISC	TOP OF 3" GALVANIZED PIPE OF CAP # 20
9777	TOS	TOP E. OF ROCK DIKES

Tied in 3/26/2014

Tied in 3/25/2014

NAPA Air Boat

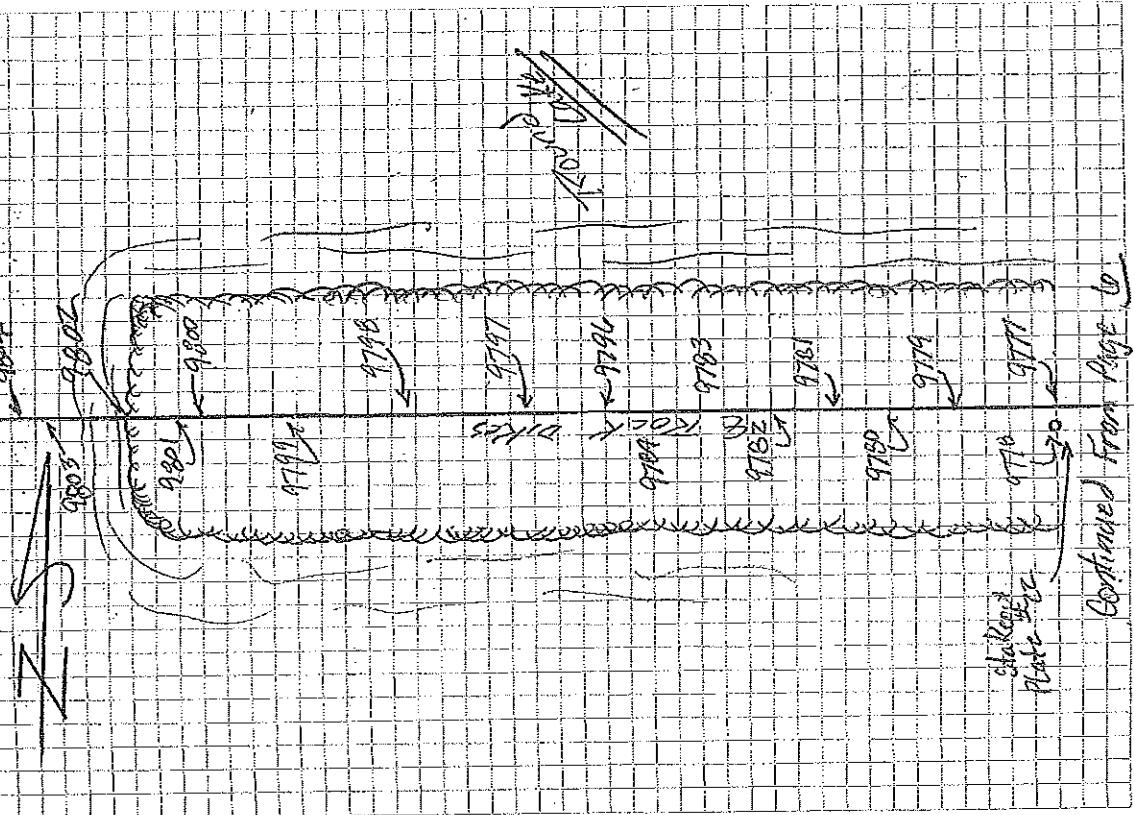
1938

3/25/2014

7

C. B. CAUER
S. DORR

Continued on Page 8



Continued from Page 6

~~ROCK DIKES~~

Job # 11025-01

DNR Contract No 2503-12-1A
 Little Lake Shore Line Protection
 Dedicated Dredging Project (89-57)
 GPS Base Sta. C.P. 9000
 Survey Top E of Rock Dikes

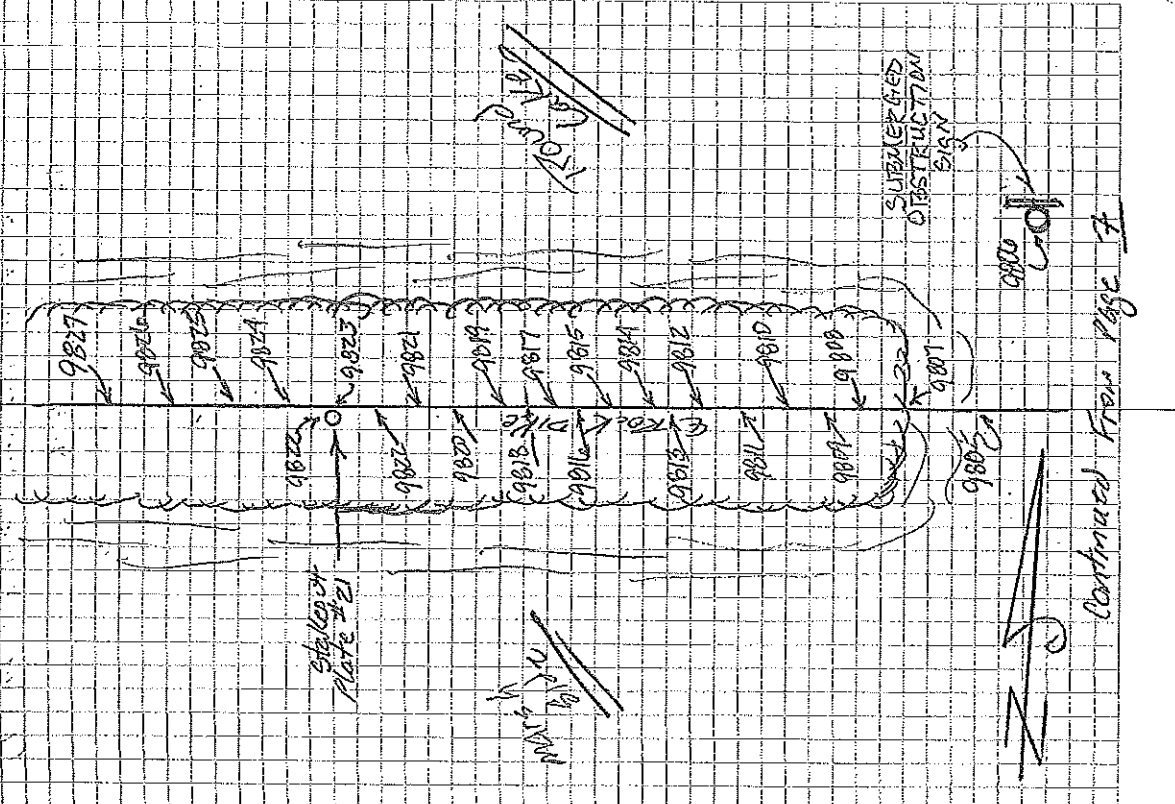
Point	Code	Remarks
9786	CHK	QC TO POINT 3M-02 PL 9001
Elev. C. 276		H-DIST. 0.052 V-DIST. 0.045
819	TOS	TOP E OF ROCK DIKE
818	"	"
817	"	"
816	"	"
9815	"	"
814	"	"
813	"	"
812	"	"
811	"	"
9810	"	"
809	"	"
808	TDS	CROWN OF ROCKS
807	TES	Edge of Rocks Edge of water
806	MISC	wooden plug w/ sign on it
9805	NG	NAT. Bottom Rocks
9787	MISC	TOP OF water

MPT Air Boat
 1938

3/26/2014 8

C. Brearum
 S. Coupe
 D. Trachsel Sr

Continued on Page 10



Continued From Page 7

Job #

DNR Contract No. 2503-12-14

11025-07 Little Lake Shore Line Protection

Dedicated Dredging Project (BA-37)

GPS Base Sta. CRL 9000

Survey TOP & OF ROCK DIKES

POINT

Code

Remarks

827 705 TOP E OF ROCK DIKE

828 " " " " " "

9825 " " " " " "

829 " " " " " "

823 " " " " " "

822 1150 TOP E OF 3" GALVANIZED PIPE # 21

821 705 TOP E OF ROCK DIKE

9820 " " " " " "

MPH Air Boat

1938

9

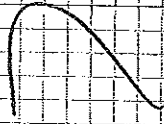
3/26/2014

OTBANK

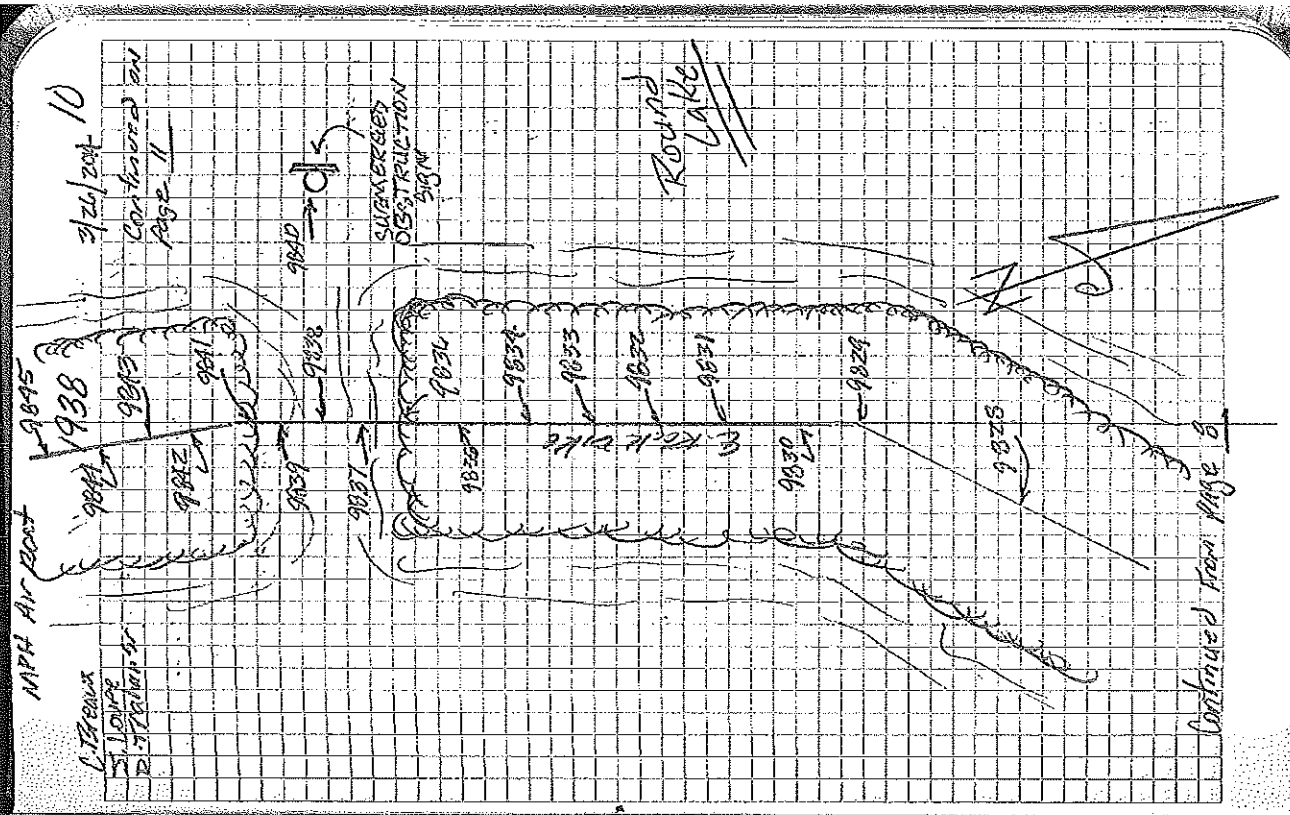
J. Long
D. Johnson Sr

See Page 6

FOR DRAWING



Job #	DNR Contract No.	Remarks
102501	Little Lake Shoreline Protection	
	Dedicated Dredging Project (BA-37)	
	GPS Base Sta. @ Pt. 9000	
	Survey Top & Off Rock Dikes	
Point	Code	Remarks
9845	TOS	TOP & OF ROCK DIKES
844	"	" "
843	"	" "
842	TOS	CROWN OF ROCKS
841	TES	EDGE OF ROCKS EDGE OF WATER
9840	MISC.	WOODEN PILING W/ SIGN ON IT
839	NG	NAT. BOTTOM ROCKS
838	"	" "
837	"	" "
836	YES	EDGE OF ROCKS EDGE OF WATER
9835	TOS	CROWN OF ROCKS
834	"	TOP & OF ROCK DIKES
833	"	" "
832	"	" "
831	"	" "
9830	"	" "
829	TOS	TOP & OF ROCK DIKE PI
9828	"	TOP & " "



Job #

DNR Contract No. 2503-12-14

1102507 Little Lake Shoreline Protection

Dedicated Dredging Project (09-37)

GPS Base Sta. @ A. 9000

Survey TDP E of Rock Dikes

Point Code Remarks

858 TDS TOP E OF ROCK DIKES

857 " " "

856 " " "

9855 " " "

854 " " "

853 " " "

852 " " "

851 " " "

9850 " " "

849 " " "

848 " " "

847 " " "

9846 " " "

MPH Air Boat

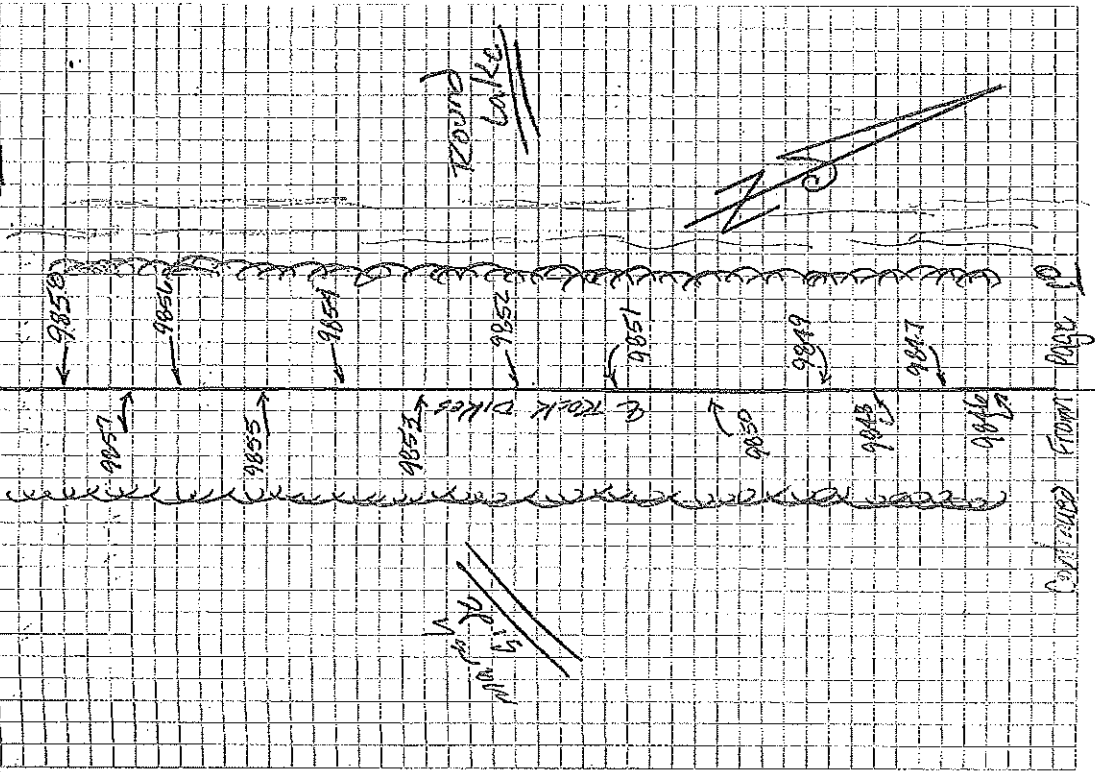
1938

3/26/2014

CTERRAK

S. LOUIS
IN TERREBONNE

continued on Page 12



CONTINUED FROM PAGE 10

Job# 1102507

DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (29-37)
 GPS Base Sta @ Pt 9800
 Survey top E of Rock Dikes

Point	Code	Remarks
876	TOP	TOP E OF ROCK DIKES
9875	"	"
874	"	"
873	"	"
872	"	"
871	"	"
9870	"	"
869	"	"
868	"	"
867	"	"
866	"	"
9865	"	"
864	"	"
863	MISC	TOP E OF 8" ENHANCE PIPE W/PROP #20
862	TOP	TOP E OF ROCK DIKES
9861	"	TOP E OF ROCK DIKES PI
9860	"	"
9859	"	"

MPH AIR BOAT

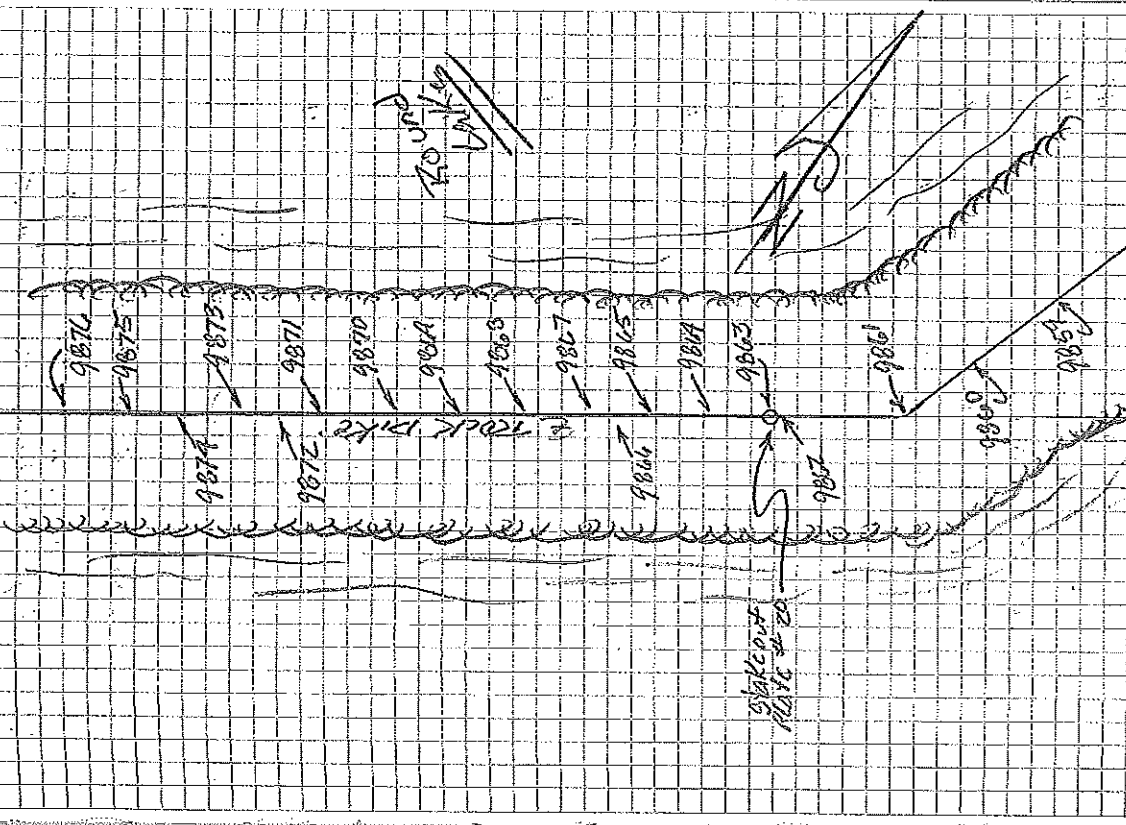
1938

3/26/2014

12

G. BRESLIN
 STAKE
 STATION 51

Continued on Page 13



Continued From Page 11

Job #

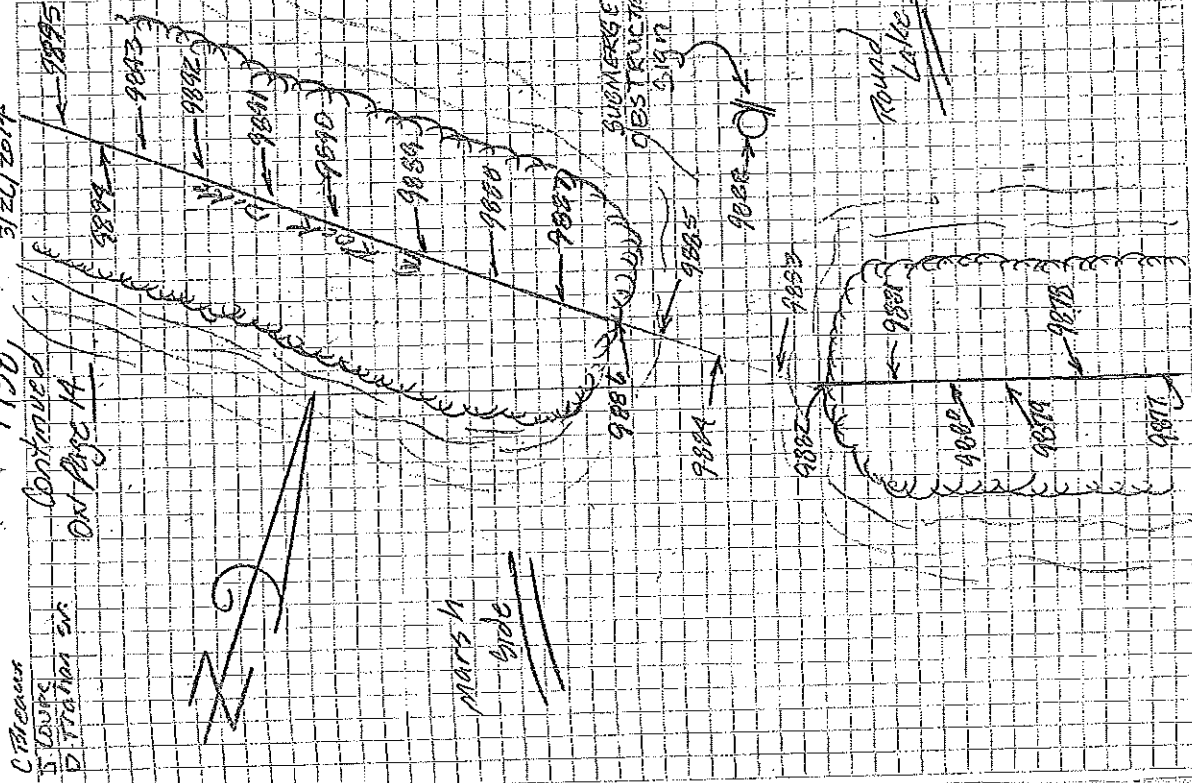
1025-07

Job #	DNR Contract No.	Remarks	Point Code	Remarks
1025-07	1025-03-12-14	Little Lake Shoreline Protection		
		Dedicated Dredging Project (BA-37)		
		GPS Base Sta. @ 9000		
		Survey Top E of Rock Dikes		
9886		TOP OF WATER	MISC	
9895		TOP E OF ROCK DIKE	TOS	
894		" "	"	
893		" "	"	
892		" "	"	
891		" "	"	
9890		" "	"	
9889		" "	"	
888		WOODEN PLUG W/ SIGN ON IT	MISC	
887		CROWN OF ROCKS	TOS	
886		EDGE OF ROCKS	TES	
9885		NAT BOTTOM ROCKS	NG	
884		" "	"	
883		" "	"	
882		EDGE OF ROCKS	TES	
881		CROWN OF ROCKS	TOS	
9880		" "	"	
879		" "	"	
878		" "	"	
9877		" "	"	

MPTA Air Boat

3/26/2017 13

1938



Continued From Page 12

C. Pearson
S. Davis
D. Fitchner et al.

Continued
DNR Page 11

Job #

DNR Contract No. 2503-12-14

11025-07 Little Lake Shore Line Protection

Dedicated Dredging Project 1981-37

GPS Base Sta. @ 9900

Survey TOP E OF Rock Dikes

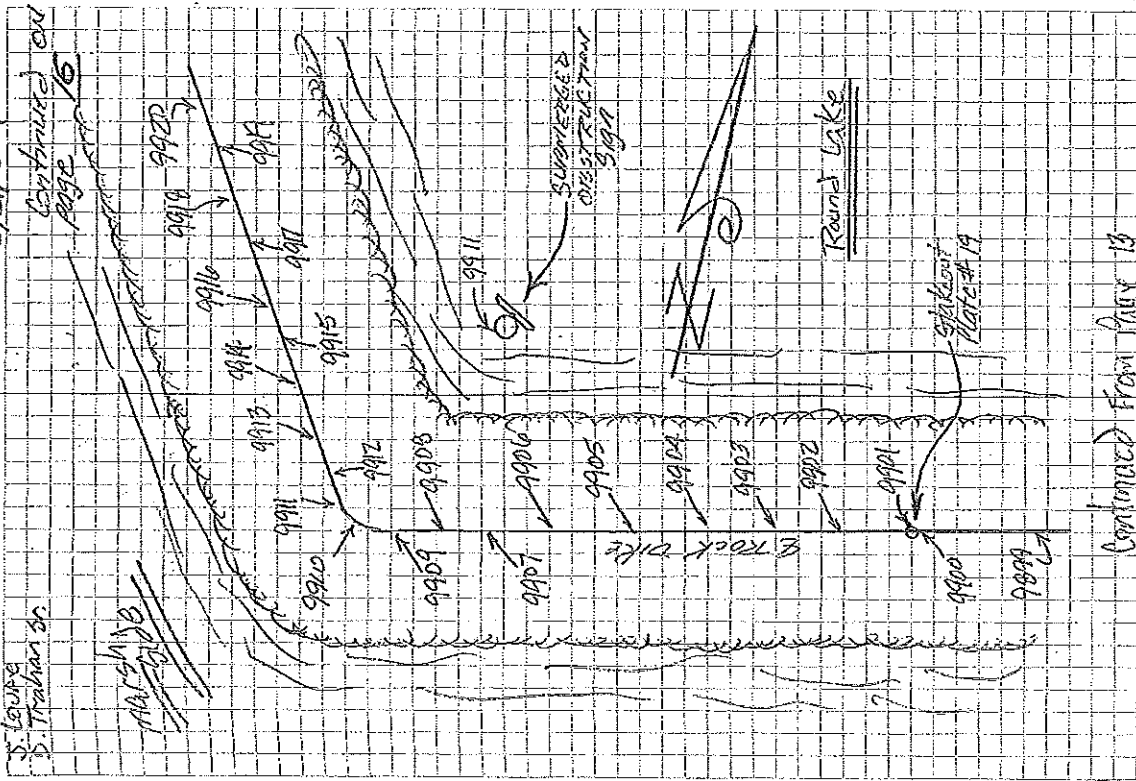
Point	Code	Remarks
9897	CHK	QC TO POINT 5M-02 AT 9001
Elev. 0.302		H-DIST. 0.039 H-DIST. 0.019
913	TOS	TOP E OF ROCK DIKE
912	"	" "
911	"	" "
9910	"	" " PZI
909	"	" "
908	"	" "
907	"	" "
906	"	" "
9905	"	" "
904	"	" "
903	"	" "
902	"	" "
901	MICS	TOR OF 5" ADVANTIZED PIPE 1/2000 # 19
9900	TDS	TOP E OF ROCK DIKES
899	TOS	TOP E OF ROCK DIKES
9896	misc	TOP OF WATER

MPR AIR BOAT

1938

C. Tercek
S. Lewis
S. Trahan or

3/21/2014



Continued From Page 13

Job #

DNR Contract No. 2503-12-14

Little Lake Shore Line Protection

Dedicated Dredging Project

GPS Base Sta. C.P. 9000

Survey Top & of Rock Dikes

POINT	Code	Remarks
930	TOP	TOP & OF ROCK DIKES
931	"	"
932	"	"
933	"	"
934	"	"
935	"	"
936	"	"
937	"	"
938	"	"
939	"	"
940	"	"
941	"	"
942	"	"
943	"	"
944	"	"
945	"	"
946	"	"
947	"	"
948	"	"
949	"	"
950	"	"
951	"	"
952	"	"
953	"	"
954	"	"
955	"	"
956	"	"
957	"	"
958	"	"
959	"	"
960	"	"
961	"	"
962	"	"
963	"	"
964	"	"
965	"	"
966	"	"
967	"	"
968	"	"
969	"	"
970	"	"
971	"	"
972	"	"
973	"	"
974	"	"
975	"	"
976	"	"
977	"	"
978	"	"
979	"	"
980	"	"
981	"	"
982	"	"
983	"	"
984	"	"
985	"	"
986	"	"
987	"	"
988	"	"
989	"	"
990	"	"
991	"	"
992	"	"
993	"	"
994	"	"
995	"	"
996	"	"
997	"	"
998	"	"
999	"	"
1000	"	"

MPH AIR BOAT

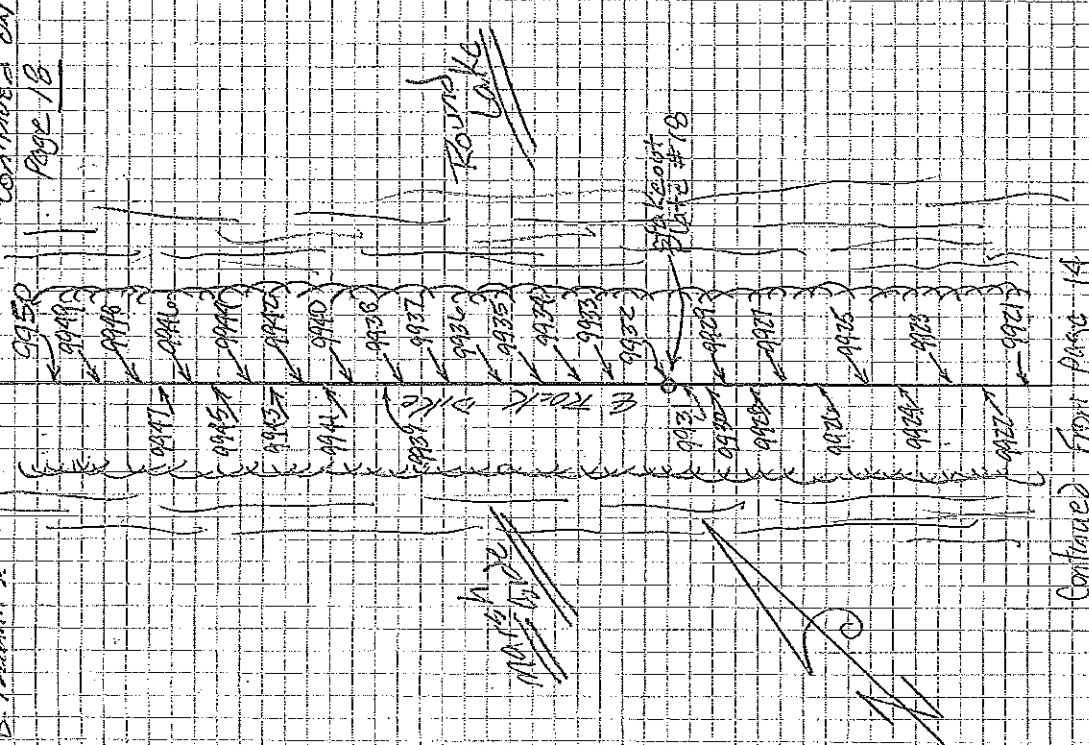
1938

3/27/2016

Continued ON Page 18

C. B. Broux

D. Feathers



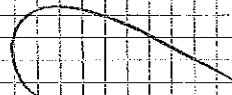
Continued FROM PAGE 14

C. T. REAR

S. LOUIS
D. T. CALHOUN Sr.

See Page 14

FOR DRAWING



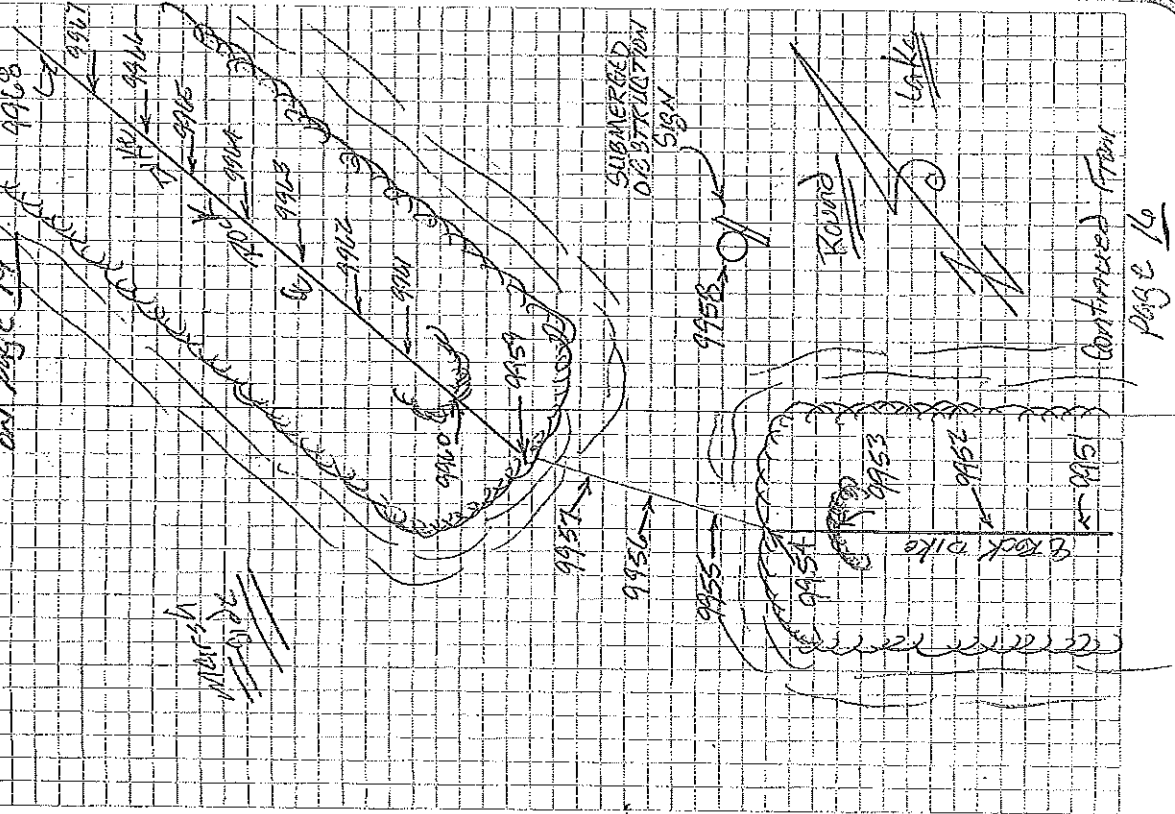
Job #	DNR Contract No.	Remarks	Point	Code	Remarks
11025-07	2503-12-14	Little Lake Shore Line Protection			
		Dedicated Dredging Project (00-37)			
		GPS Base Sta. CM 9000			
		SURVEY TOP @ OF ROCK DIKES			
9950		TOP @ OF ROCK DIKES			
999		" "			
998		" "			
997		" "			
996		" "			
9945		" "			
994		" "			
993		" "			
992		" "			
991		" "			
9990		" "			
9939		" "			

MPH AIR BOAT

1938 3/27/2014 18

C. B. SEAVE

5 (DUP) CONTINUED ON PAGE 19 9968



Continued From Page 16

Job #	DNR Contract No.	Remarks	Code	Remarks
11025-07	2503-12-14	Little Lake Shore Line Protection		
		Dedicated Dredging Project (CA-39)		
		GPS Base Sta. C.R. 9000		
		Survey TOP E OF ROCK DIKES		
9969		TOP OF WATER	MISC	
9968		TOP E OF ROCK DIKES	TOS	
9967		"	"	
9966		"	"	
9965		"	"	
9964		"	"	
9963		"	"	
9962		"	"	
9961		"	"	
9960		CROWN OF ROCKS	TOS	
9959		Edge of Rocks Edge of water	TES	
9958		Wooden Piling w/ sign on it	MISC	
9957		NAT. BOTTOM ROCKS	NG	
9956		"	"	
9955		"	"	
9954		Edge of Rocks Edge of water	TES	
9953		CROWN OF ROCKS	TOS	
9952		TOP E OF ROCK DIKES	"	
9951		"	"	

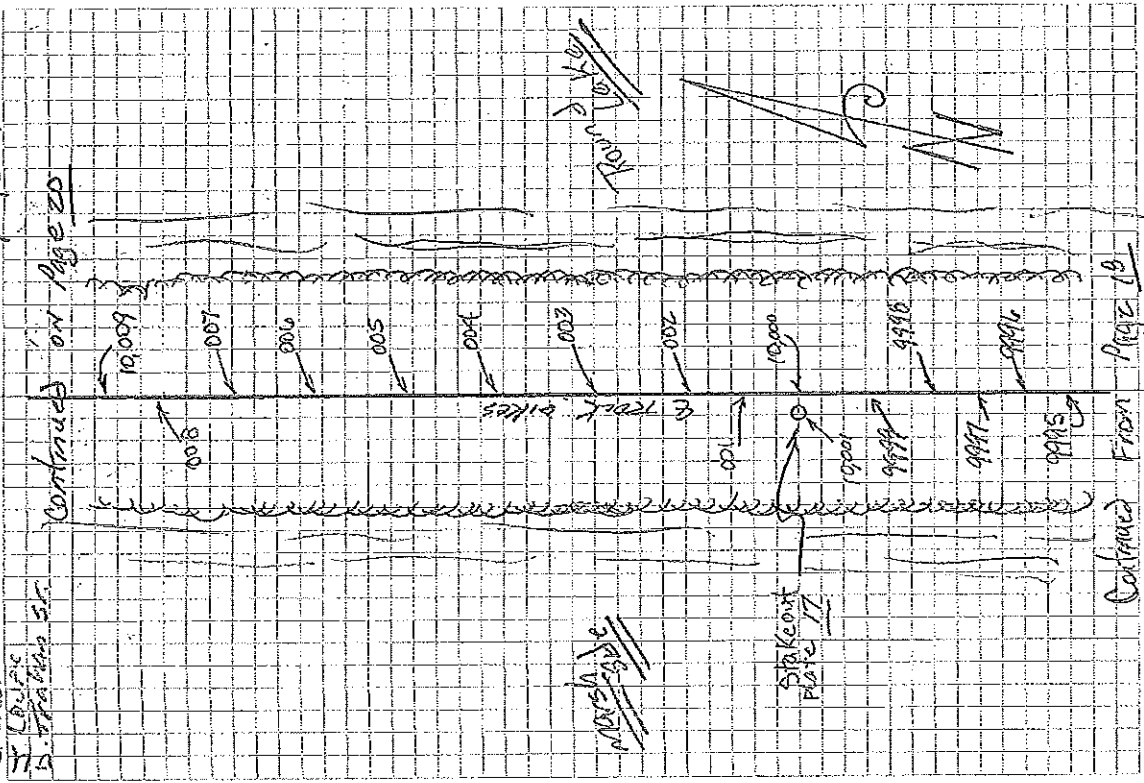
M.P.H. Air Boat

5/21/2019

1938

Continued on Page 20

Continued From Page 18



Job #

11025-01	DNR Contract No. 2503-12-14	Little Lake Shoreline Protection		
		Dedicated Dredging Project (BA-37)		
		GPS Base Sta. C.H. 9000		
		Survey Top E. of Rock Dikes		
Point	Code	Remarks		
9993	CHK	QC TO POINT 9M-02 PL 9001		
Elev. 6.291		NET 0.075 FRONT 0.030		
009	TOS	TOP E. OF ROCKS		
008	"	"		
007	"	"		
006	"	"		
10,005	"	"		
004	"	"		
003	"	"		
002	"	"		
001	MISC	TOP OF 3" GALVANIZE PIPE W/ CAP # 17		
10,000	TOS	TOP E. OF ROCKS		
999	"	"		
998	"	"		
997	"	"		
996	"	"		
995	"	"		
9994	MISC	TOP OF WATER		

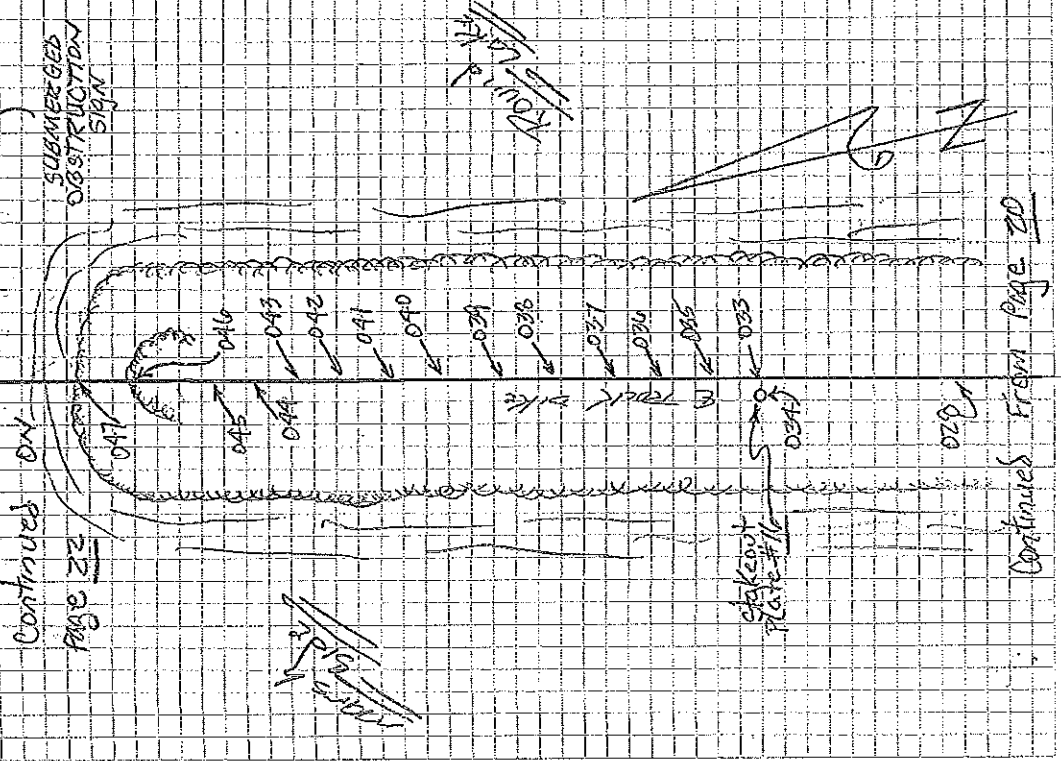
MPH Air Boat
1938

C. B. BOWMAN
S. LOUPE
D. THOMAS

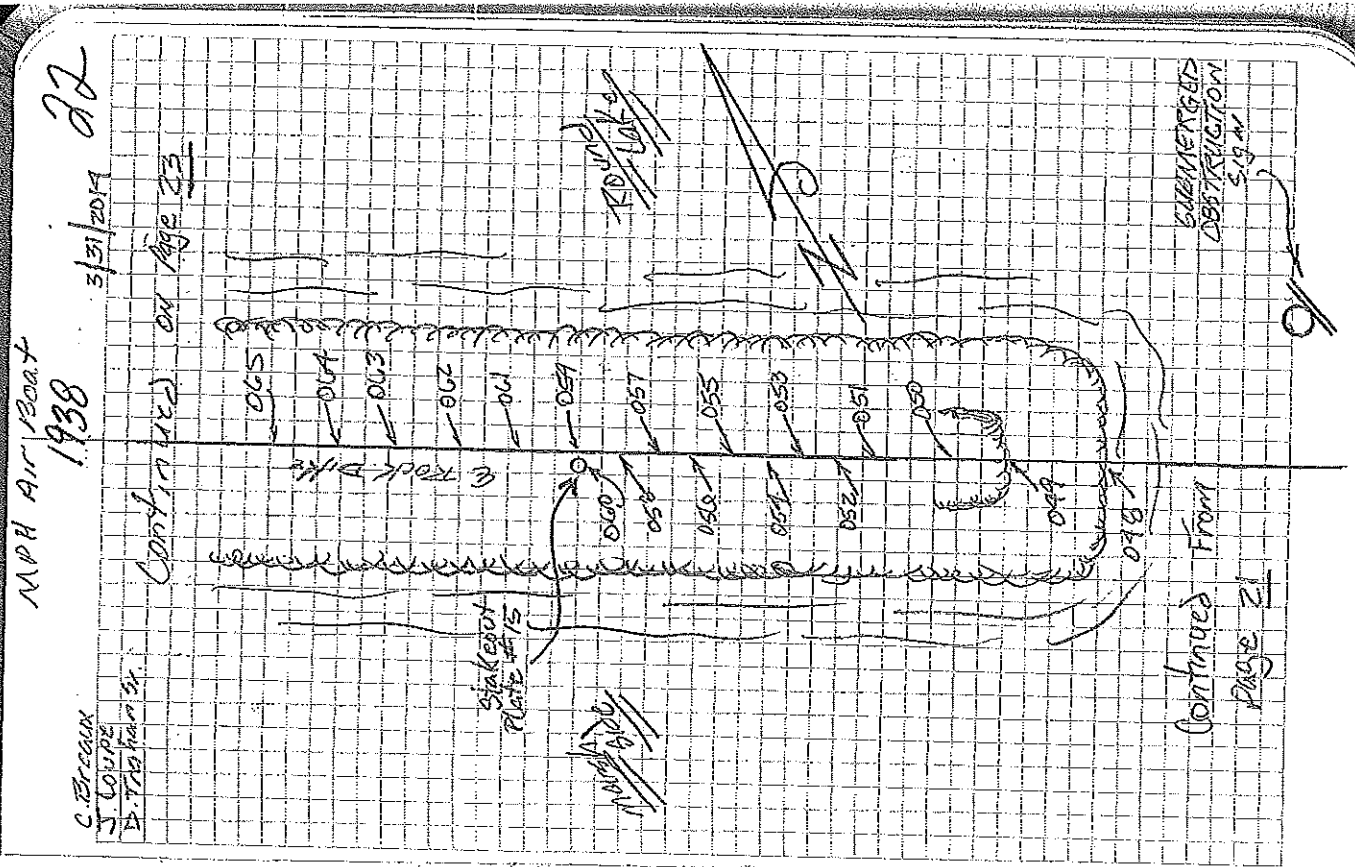
3/31/2014

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Job #	DNR Contract No.	Remarks	Code	Point
11025-07	2503-12-A	Little Lake Shore Line Protection		
		Dedicated Dredging Project (BA-37)		
		GPS Base Sta. C.A.K. 9000		
		Survey TOP E. of Rock Dikes		
		Remarks		
041		Edge of Rocks Edge of Water	TES	041
046		Crown of Rocks	TOS	046
045		"	"	045
044		"	"	044
043		"	"	043
042		"	"	042
041		"	"	041
040		"	"	040
039		"	"	039
038		"	"	038
037		"	"	037
036		"	"	036
10,035		"	"	035
034		TOP E. of 3" Galvanized Pipe w/ DAP # 16	MISC	034
033		TOP E. of Rocks	TOS	033
032		"	"	032
031		"	"	031
10,020		"	"	020
029		"	"	029
10,028		"	"	028



Job #	DNR Contract No.	Date
1102507	Little Lake Shore Line Protection	12-19
	Designated Dredging Project (BA-37)	
	GPS Base Sta. e Rk 9000	
	Survey: TOP & OF ROCK DIKES	
POINT	Code	Remarks
10,015	TDS	TOP E OF ROCKS
069	"	"
063	"	"
062	"	"
061	"	"
10,040	MISC	TOP OF 2" GALVANIZE PIPE w/ CAP #15
059	TDS	TOP CE OF ROCKS
058	"	"
057	"	"
056	"	"
10,055	"	"
054	"	"
053	"	"
052	"	"
051	"	"
10,050	"	"
049	TDS	CROWN OF ROCKS
10,048	TDS	Edge OF ROCKS Edge OF WATER



MPH AIR BOAT
1938

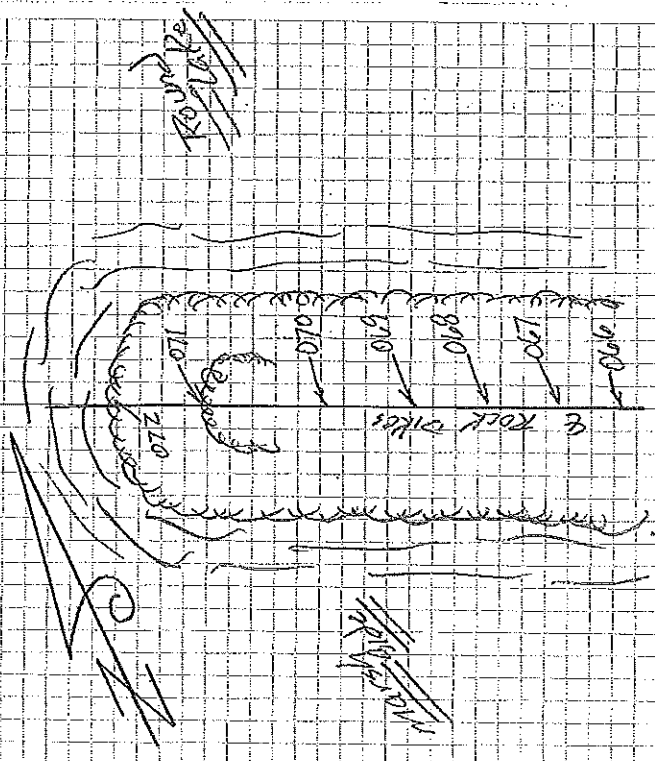
23

3/21/2014

CHICAGO
ST. LOUIS
ST. CHARLES

Continued on Page 25

SUBMERGED
OBSTRUCTION
SIGN



Continued on Page 22

Job #	DNR Contract No.	Project Description	Point Code	Remarks
110250	2503-12-14	Little Lake Shoreline Protection		
		Dedicated Dredging Project (BA-37)		
		GPS Base Sta. CPA 9000		
		Survey TOP E of Rock Dikes		
073	MISC	TOP OF WATER		
072	TES	Edge of Rocks Edge of Water		
071	TOS	CROWN OF ROCKS		
10,070	"	TOP E OF ROCKS		
064	"	"		
068	"	"		
067	"	"		
10,066	"	"		

Job #

11025-01

DNR Contract No. 2503-12-14
Little Lake Shoreline Protection

Dedicated dredging project (80-87)

GPS Base sta. C.P.T. 9000

Survey of Cut Between Rock Dikes

POINT

Code

Remarks

10,497

CHK

QC TO POINT 81-02 A. 1101

Elev. 6296

H=DOT. 0.201

V. 2.15 0.029

514

NG

NRT. Bottom

513

"

"

512

"

"

511

"

"

10,510

"

"

509

"

"

508

"

"

507

NG

NRT. Bottom

506

"

"

10,505

"

"

504

"

"

503

"

"

502

"

"

501

"

"

500

"

"

10,499

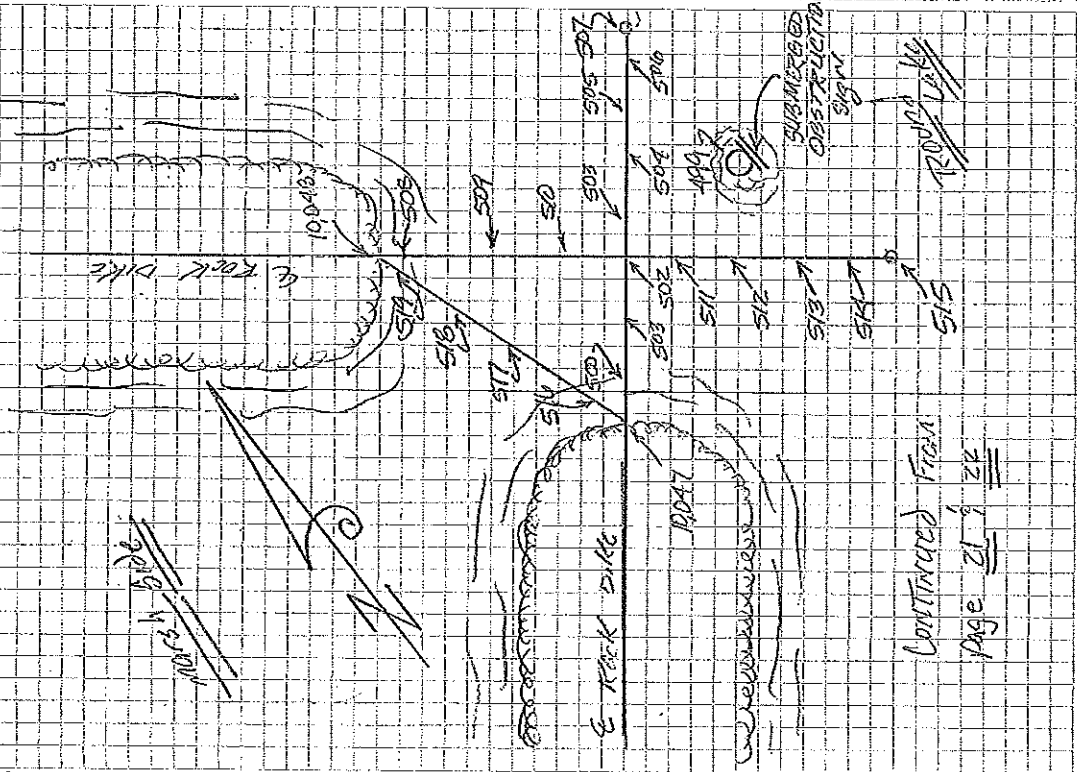
misc

wooden piling w/ sign on it

1/10/2014

1938

C. BREWER
S. LOUPE
D. FISHMAN SR.



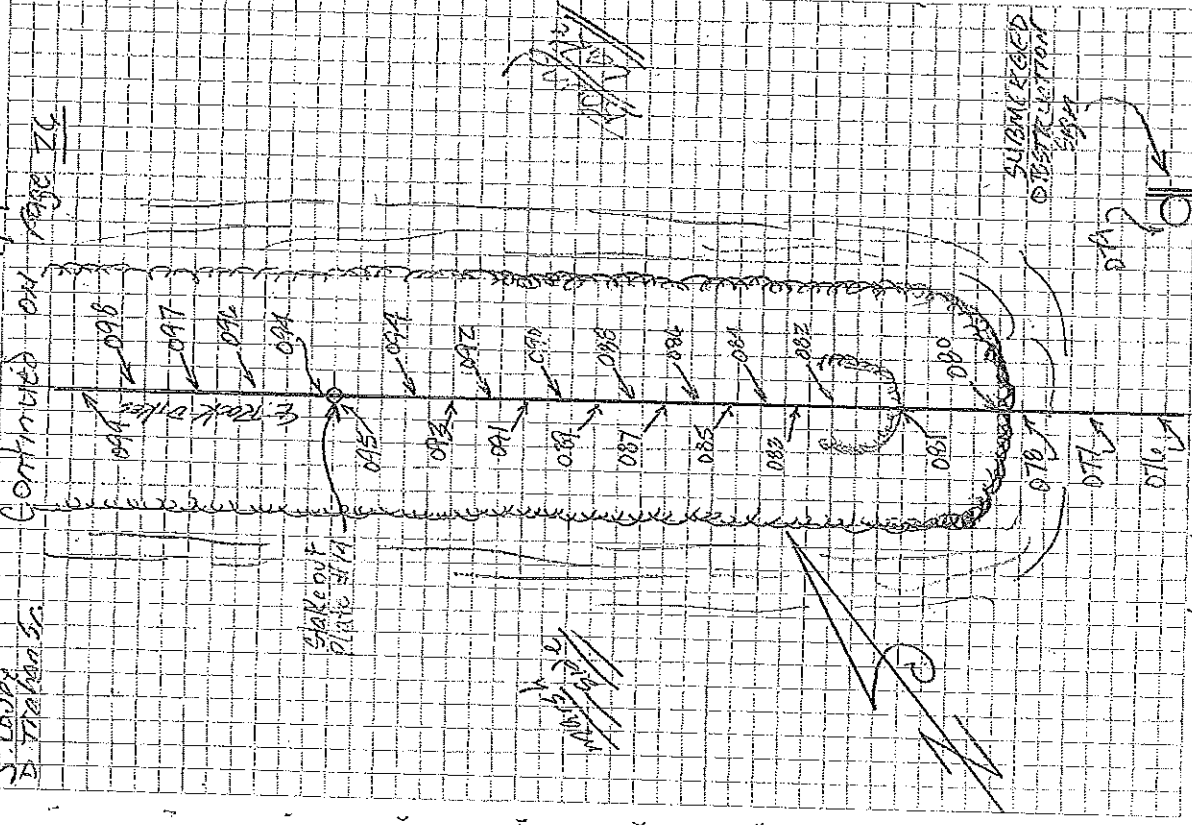
Continued From
Page 21 of 22

Job #

11025-01
 DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (BA-37)
 GPS Base Sta. C.R. 9000
 SURVEY TOP & OF ROCK DIKE

POINT	CODE	REMARKS
10,074	CHK	QC TO POINT 5M-02 AT 9000
Elev. 6.264		H-DIST. 0.041 V-DIST. 0.057
10,040	TOS	TOP & OF ROCKS
089	"	"
088	"	"
087	"	"
086	"	"
10,085	"	"
084	"	"
083	"	"
082	"	"
081	TOS	Crown of Rocks
10,080	TES	Edge of Rocks Edge of Water
079	MISC	wooden Ailing of sign on it
078	NG	NAT. Monument
077	"	"
076	"	"
10,075	MISC	TOP OF WATER

MPH Air Boat
 1938
 4/1/2014
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Continued From Page 23

JOB #
1102507

JOB #	DNR Contract No.	Contract Description	Remarks
1102507	2503-12-1A	Little Lake Shore Line Protection	
		Dedicated Dredging Project (CA-37)	
		GPS Base Sta. C.M. 9000	
		Survey TOP E of Rock DIKE	
POINT	Code	REMARKS	
10,109	TES	Edge of Rocks. Edge of Water	
108	TDS	CROWN OF ROCKS	
107	"	"	
106	"	"	
10,105	"	"	
104	"	"	
103	"	"	
101	"	"	
10,101	"	"	
001,001	"	"	
099	"	"	
098	"	"	
097	"	"	
096	"	"	
10,095	MISC	TOP OF 3" Galvanize Pipe w/ cap #14	
094	TOS	TOP E OF ROCKS	
093	"	"	
092	"	"	
10,091	"	"	

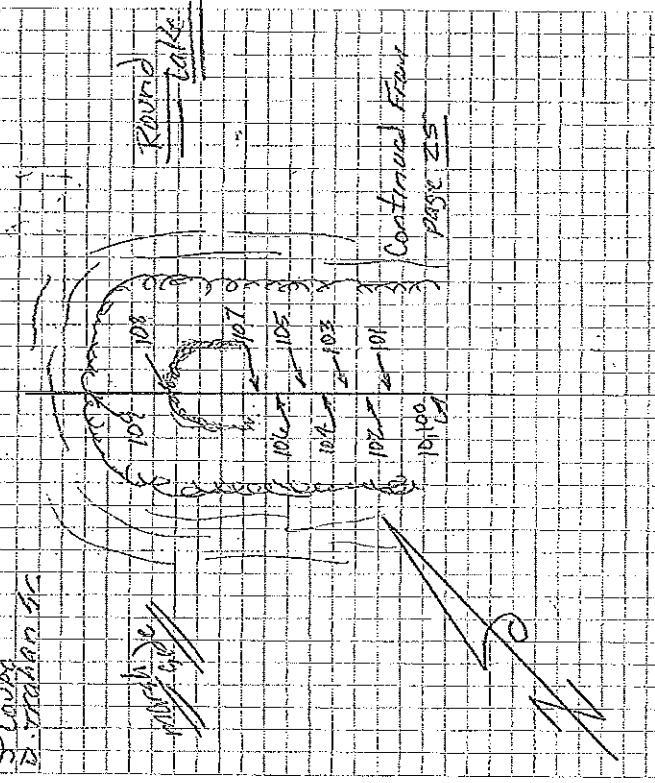
Continued on Page 27

C. Treagus
J. L. Lewis
D. M. Mather Jr.

NRH Air Boat 1938

4/1/2014

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See Page 25

FOR DRAWING

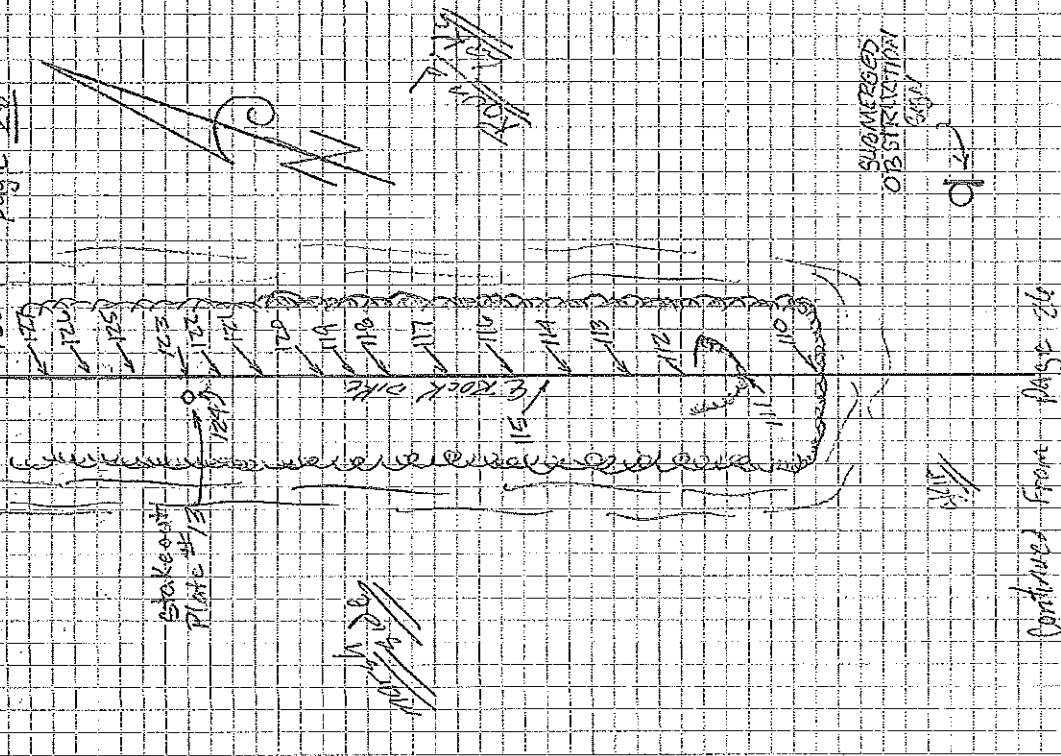
MPH Air Boat

1930

4/11/2017

C. F. BROWN
J. D. WELLS
D. M. WILSON JR.

Continued on
page 28



SUBMERGED
OBSTRUCTION
GAIN

012

Continued From page 26

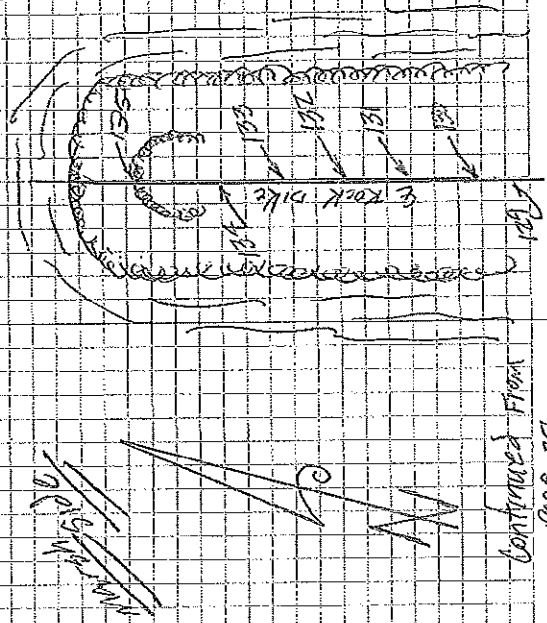
Job #	DNR Contract No.	Remarks	Code	Remarks
1102507	2503-12-1A	Little Lake Shoreline Protection		
		Dedicated Dredging Project (BA-37)		
		GPB Base Sta. C.A. 9000		
		Survey Top & of Rock Dikes		
POINT	Code	Remarks		
128	TOP	TOP & OF ROCKS		
127	"	"		
126	"	"		
10, 125	"	"		
124	MISC	TOP & OF 3" GALVANIZED PIPE W/ CAP #13		
123	TOP	TOP & OF ROCKS		
122	"	"		
121	"	"		
10, 120	"	"		
119	"	"		
118	"	"		
117	"	"		
116	"	"		
10, 115	"	"		
114	"	"		
113	"	"		
112	"	"		
111	TOP	Crown of Rocks		
10, 110	TES	Edge of Rocks Edge of Water		

Job #	DNR Contract No. Z503-12-1A
1025-07	Little Lake Shoreline Protection
	Dedicated Dredging Project (BA-07)
	GPS Base Sta. e Pt. 9000
	Survey TOP E OF ROCK DIKES
POINT	CODE REMARKS
10,135	TOS Crown of Rocks
134	" TOP E OF ROCKS
133	" " "
132	" " "
131	" " "
10,130	" " "
10,129	" " "

C:\BRENIX
 I:\C:\BRENIX
 D:\STATION 51

CONTINUED ON
 PAGE 37

~~10/135~~
~~10/134~~
~~10/133~~
~~10/132~~
~~10/131~~



MPH AIRBOAT

1938

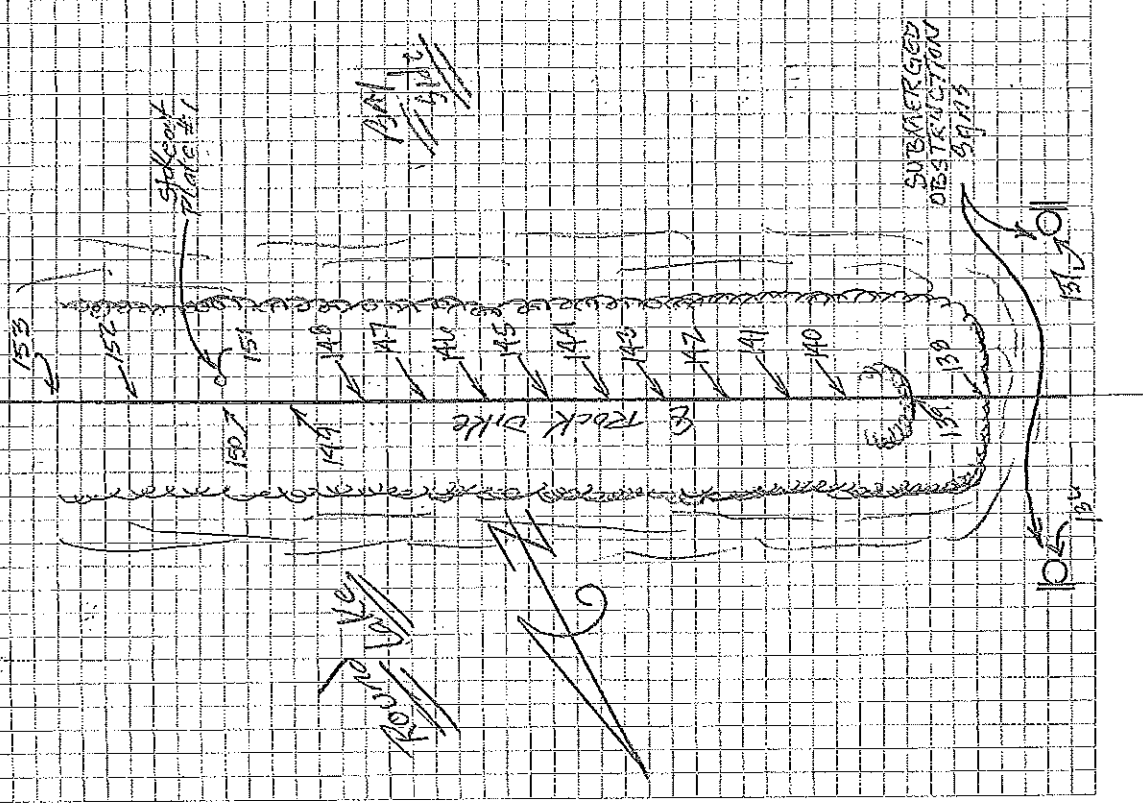
4/1/2014

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Continued on Page 30

C. Treaves

J. LOUPE
S. WATSON

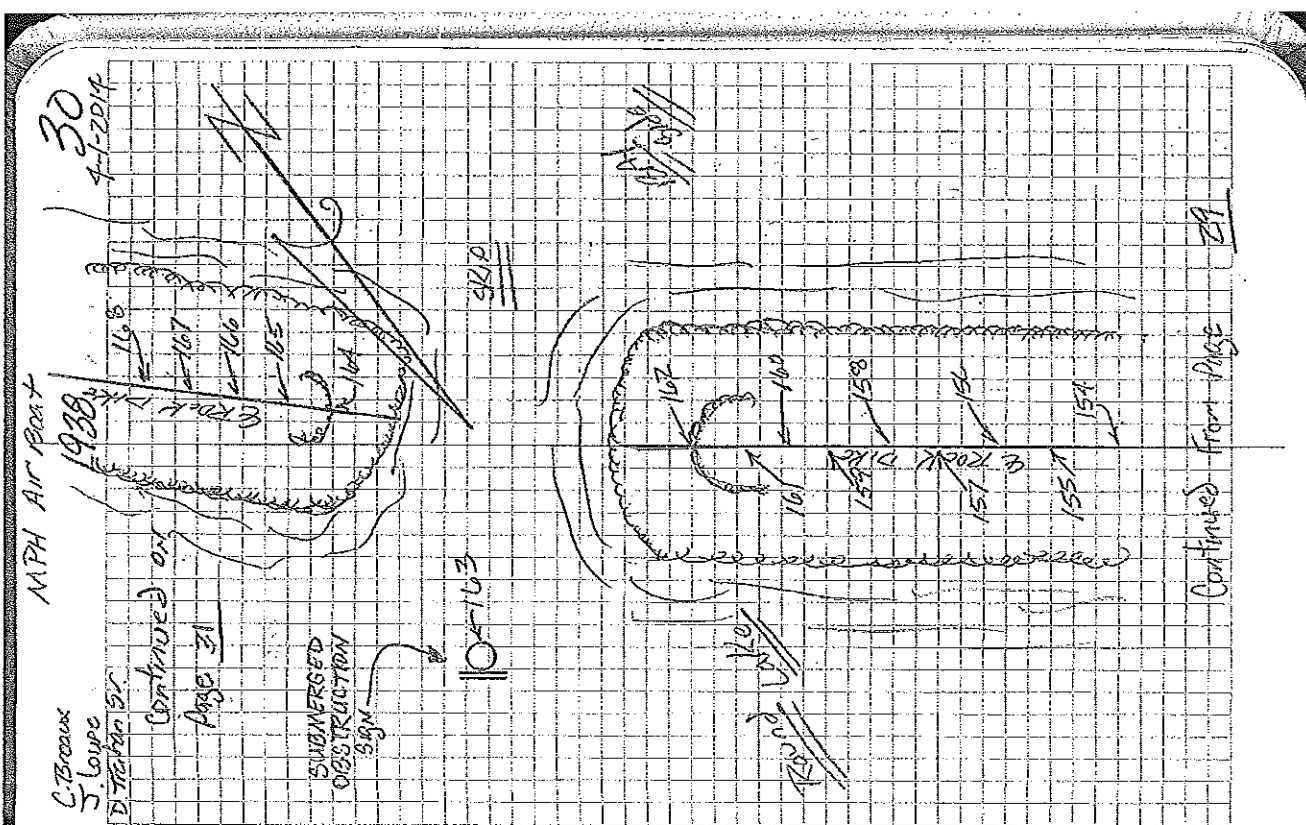


JOB #	DNR Contract No.	Project Name	Remarks
1102501	2503-12-14	Little Lake Shore Line Protection	
		Dedicated Dredging Project (BA-37)	
		GPS Base Sta. CPT. 9000	
		SURVY TDP E OF ROCK DIKES	
POINT	Code	REMARKS	
153	TOS	TOP E OF ROCKS	
152	"	"	
151	MISC	TOP OF 3" GALVANIZE PIPE 9' DIA #1	
10, 150	TOS	TOP E OF ROCKS	
149	"	"	
148	"	"	
147	"	"	
146	"	"	
10, 145	"	"	
144	"	"	
143	"	"	
142	"	"	
141	"	"	
10, 140	"	"	
139	TOS	CROWN OF ROCKS	
138	TES	EDGE OF ROCKS EDGE OF WATER	
137	MISC	WOODEN PILING W/ SIGN ON IT	
10, 136	"	"	

Job #

11025-01
 DNR Contract No. 2503-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (BA-37)
 GPS Base Sta. @ A 9000
 Survey TOP & OF Road Dikes

POINT	Code	Remarks
168	TOS	TOP & OF ROCKS
167	"	"
166	"	"
165	"	"
164	TOS	Crown OF ROCKS
163	misc	wooden Piling w/ sign exit
162	TOS	CROWN OF ROCKS
161	"	TOP & OF ROCKS
160	"	"
159	"	"
158	"	"
157	"	"
156	"	"
155	"	"
10, 154	"	"



Continued from Page 29

Job #
102507

DNR Contract No. 2503-12-14
Little Lake Shoreline Protection
Dedicated Dredging Project (CA-37)
GPS Base Sta. CA 9000
Survey TOP E OF ROCK DIKES

POINT	Code	Remarks
186	TOS	TOP E OF ROCKS
10,185	"	"
184	"	"
183	"	"
182	"	"
181	"	"
10,180	"	"
179	MISC	TOP OF 3' Gabarize Apr/Cas #2
178	TOS	TOP E OF ROCKS
177	"	"
176	"	"
10,175	"	"
174	"	"
173	"	"
172	"	"
171	"	"
170	"	"
10,169	"	"

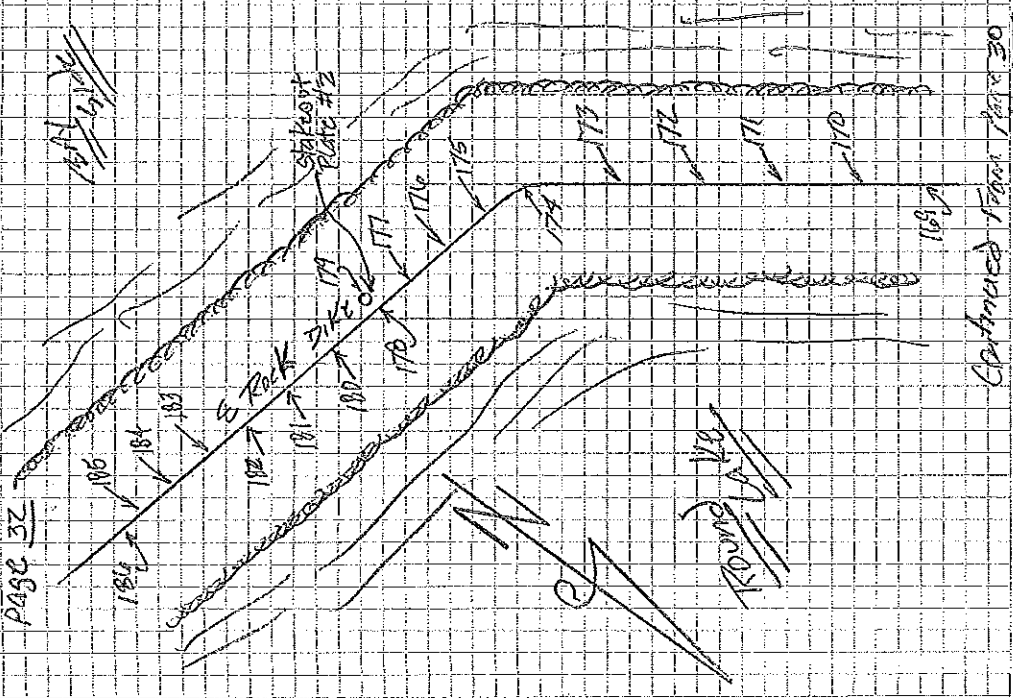
1 MPH Air Boat
1938

31

7/11/2017

C. J. Freese
S. Guzik
D. Tompkins

Continued ON
Page 32



Continued From Page 30

Job #

DNR Contract No. 2503-12-14

Little Lake Shore Line Protection

Dedicated Dredging Project (BA-37)

GPS Base Sta. E AT 9000

Survey Top E of Rock Takes

Point Code Remarks

11025-07

1938

4/1/2014

322

Continued on page 31

SUBMERGED
DISTRIBUTION
SIGN

Dike

192

191

190

189

188

187

186

185

184

183

182

181

180

179

178

177

ROCK

DIKE

ROCK

DIKE

ROCK

DIKE

ROCK

DIKE

ROCK

DIKE

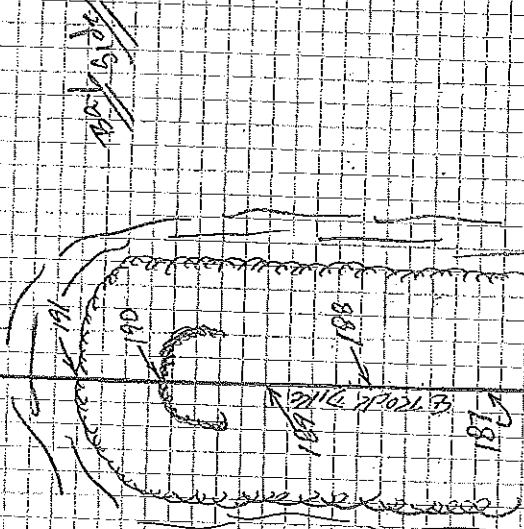
ROCK

Continued From Page 31

MDA Air Photo

1938

CT Region
Course
17-7-2014



Job #

DNR Contract No. 2503-12-A

11025-01

Little Lake Shoreline Protection

Dedicated Dredging Project (201-37)

GPS Base Sta. E At 9000

Survey TOP & OF ROCK DIKES

Point

Code

Remarks

10,194

CHK

QC TO POINT SM-02 A-9001

Elev. 6286

H-DIST. 0.055

V-DIST. 0.037

10,200

MISC

WOODEN PILING w/ SIGN UNIT

10,199

NA

NAT. BOTTOM

198

NA

" "

197

"

" "

196

"

" "

10,195

MISC

TOP OF WATER

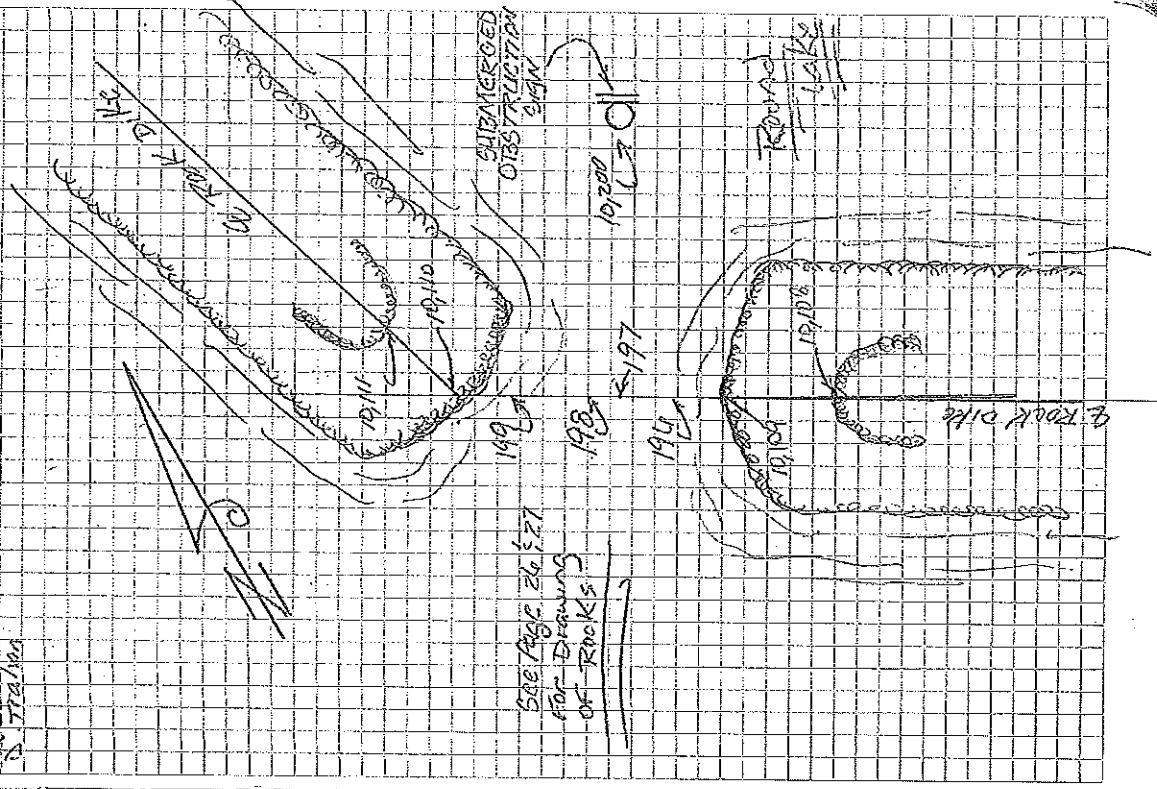
Trace of Gravity Air Boat

1938

4/2/2014

33

C. Breaux
S. Lewis
D. Trahan



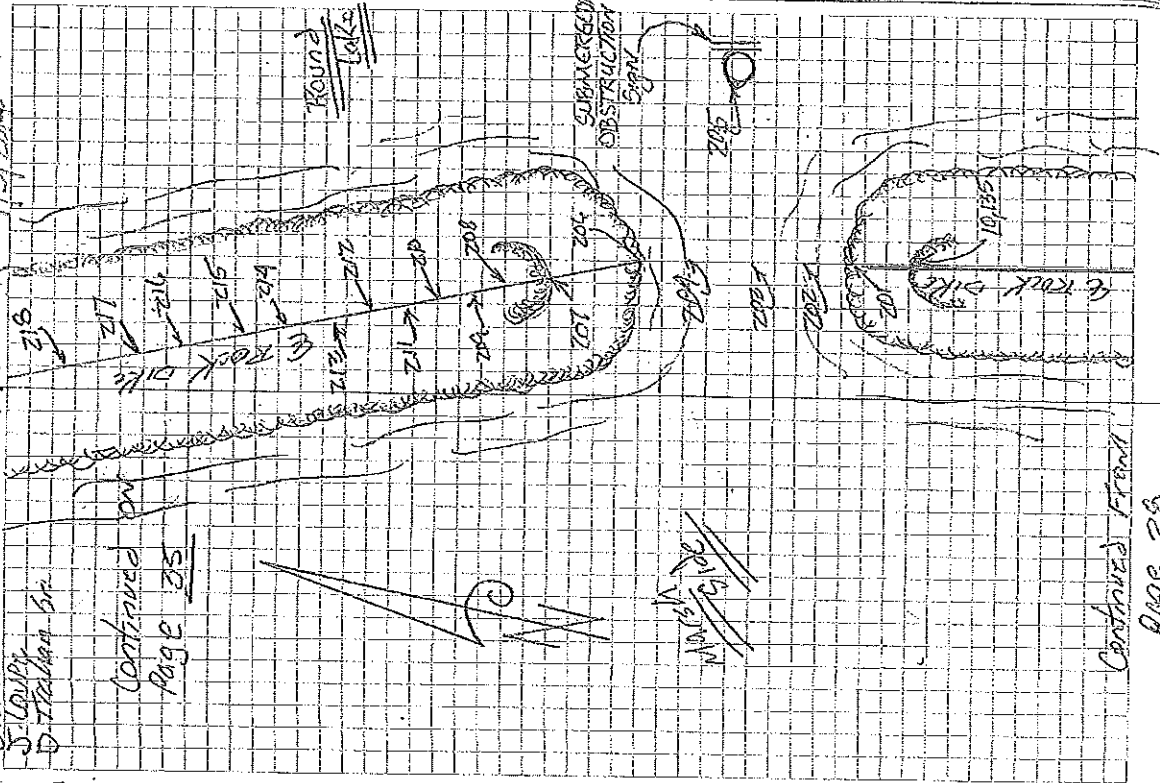
SEE PAGE 26, 27
FOR DRAWING
OF ROCKS

Rice & Gray Airt 7500ft

1938 5/3/2014 34

C. B. Broux
S. Loupy
D. T. Hahn Sr.

Continued on
Page 35



Job #	DNR Contract No.	Remarks
1102507	Little Lake Shore Line Protection	
	Dedicated Dredging Project (RAST)	
	GPS Base Sta. C AT 9000	
	Survey TOP E. OF ROCK DIKES	
POINT	Code	Remarks
Z18	TOP E. OF ROCK DIKE	
Z17	"	"
Z12	"	"
10,215	"	"
Z14	"	"
Z13	"	"
Z12	"	"
112	"	"
10,210	"	"
Z09	"	"
Z08	"	"
Z07	CROWN OF ROCKS	
Z06	EDGE OF ROCKS	EDGE OF WATER
10,205	MISC	WOODEN ALONG W/ SIGN ON RT
Z04	NG	NAT. BOTTOM
Z03	"	"
Z02	"	"
10,201	TES	EDGE OF ROCKS, EDGE OF WATER

Continued from
PAGE 28

Job #

11025-01	DNR Contract No 2503-12-1A	Little Lake Shoreline Protection
	Designated Dredging Project (24-37)	
	GPS Base Sta. @ Sta. 9000	
	Survey Top E. of Rock Dikes	
Point	Code	Remarks
237	MISC	wooden Ailing w/ sign on it
236	-NG	NAT. Station
10, 235	"	"
234	"	"
233	Tes	edge of rocks edge of water
232	Top	Crown of Rocks
231	Top	Top E. of Rocks
10, 230	"	"
622	"	"
822	"	"
122	"	"
722	"	"
522101	"	"
222	"	"
322	"	"
222	"	"
221	MISC	TOP OF Embankment Proj. #12 / Cap # 12
220	Top	Top E. of Rocks
10, 219	"	"

TRICE & GRAY, AIR CONT

1938

4/2/2014

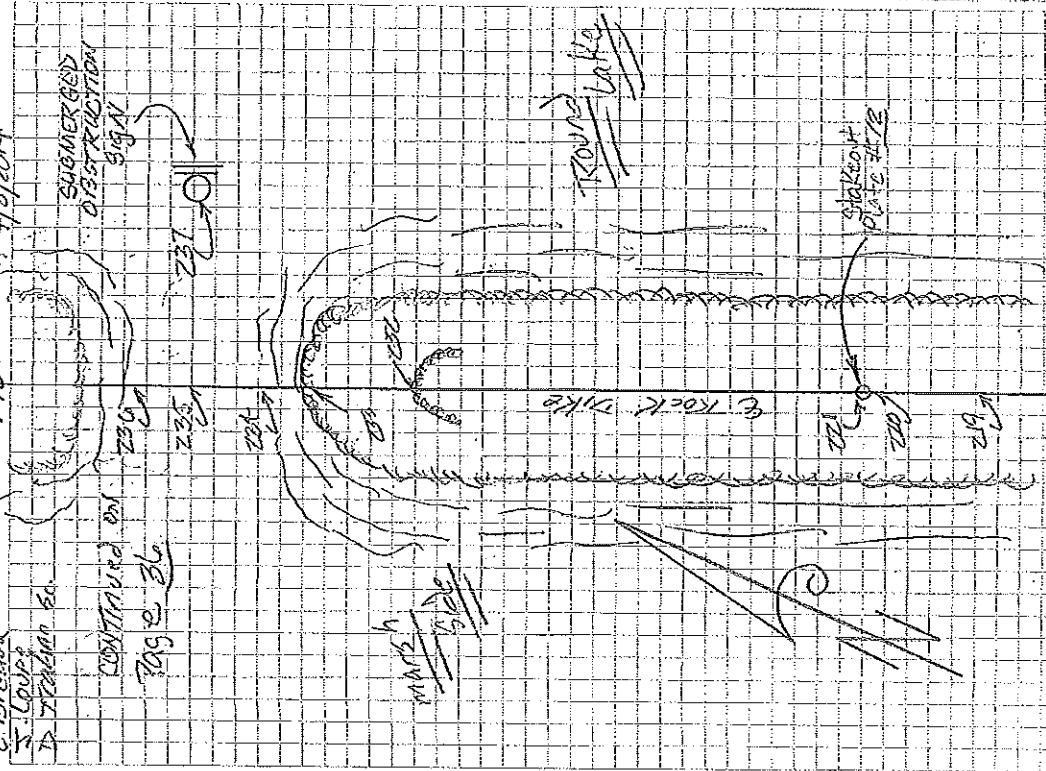
35

C. BREWSTER
S. LOVER
D. TRUBIAN, Esq.

SUBMERGED
DISTRIBUTION
SIGNAL

CONTINUED ON
PAGE 36

Continued From Page 34



Job # 102501

DNR Contract No. 2503-12-14

1938 4/3/2014 36

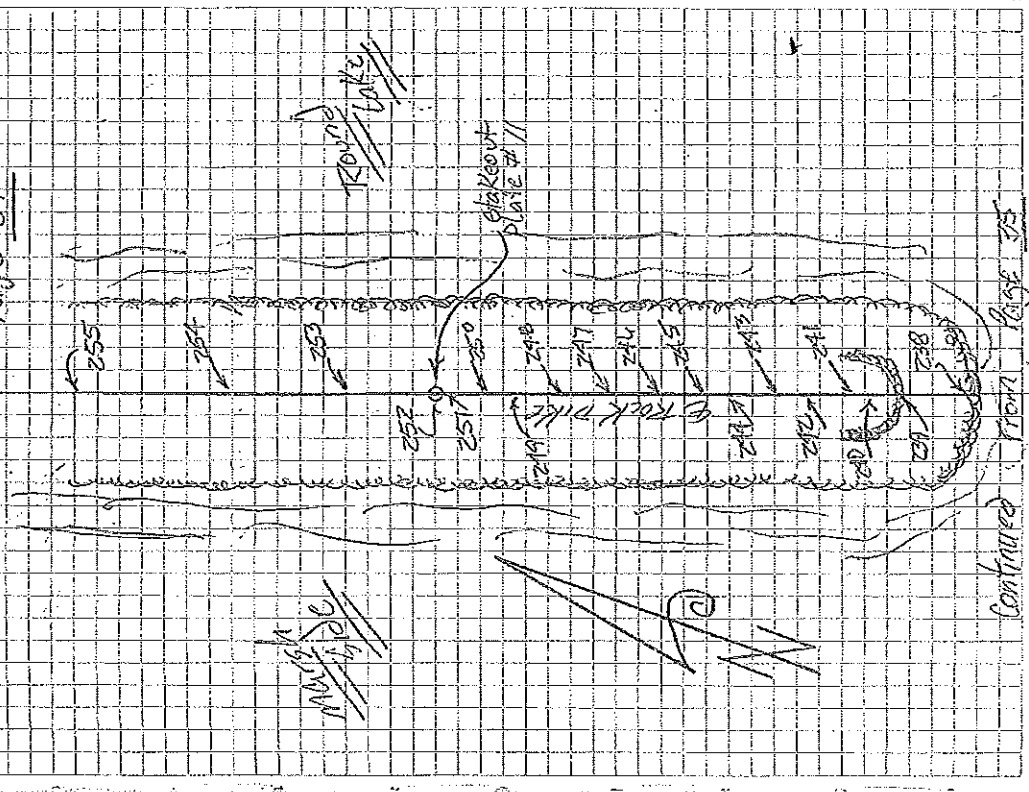
Little Lake Shoreline Protection
 Dedicated Dredging Project (BA-37)
 GPS Base Sta. @ 9000
 Survey Top E of Rock Dikes

POINT	Code	Remarks
10,255	TOS	TOP E OF ROCKS
254	"	"
253	"	"
252	MISC	TOP OF 3 GALVANIZE PIPE W/ CAP \$11
251	TOS	TOP E OF ROCKS
10,250	"	"
249	"	"
248	"	"
247	"	"
246	"	"
10,245	"	"
244	"	"
243	"	"
242	"	"
241	"	"
10,240	"	"
* 239	TOS	Crown of Rocks
10,238	TOS	Edge of Rocks Edge of water

Continued on Page 37

Continued from Page 35

C. P. Brown
 J. L. White
 D. Jackson Sr.



JOB #

DNR Contract No. 2503-12-14
Little Lake Shoreline Protection

1025-07

Dedicated Dredging Project (BR-37)
GPS Base Sta. C Pt. 9000
SURVEY TOP & OF ROCK DIKES

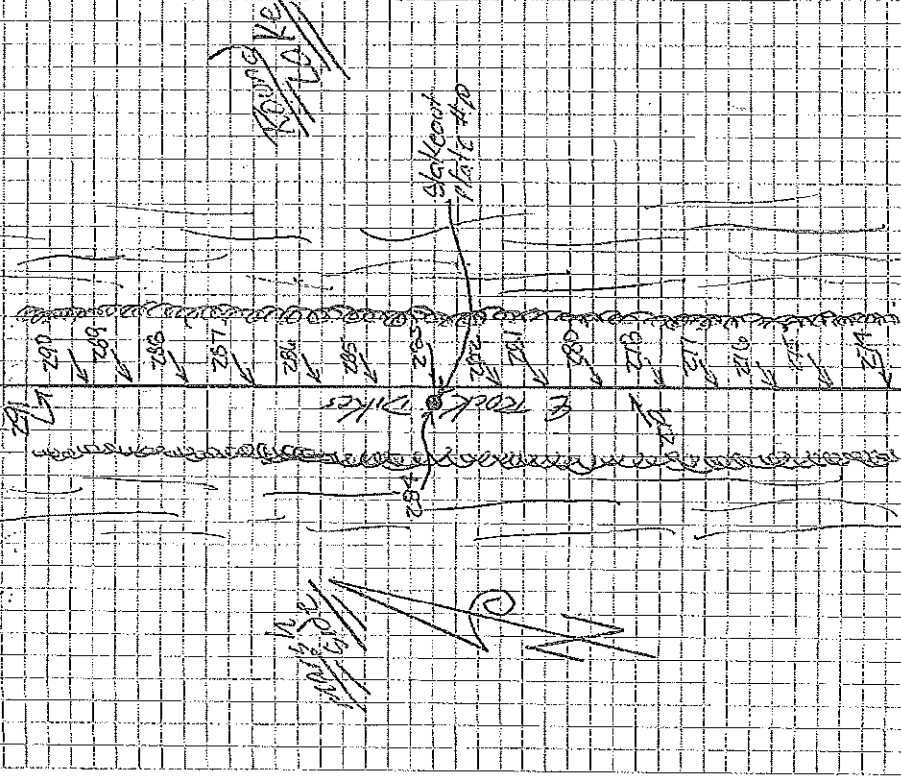
POINT	Code	Remarks
1029Z	MISC	TOP OF WATER
291	TOS	TOP & OF ROCKS
102901	"	"
682	"	"
882	"	"
182	"	"
782	"	"
58201	"	"
452	MISC	TOP OF 5" GALVANIZED PIPE #10
682	TOS	TOP & OF ROCKS
282	"	"
182	"	"
08201	"	"
472	"	"
872	"	"
172	"	"
772	"	"
572	"	"
47201	"	"

1938

4/3/2017

C. TREANUS
S. COOPER
D. STANLEY

Continued on PAGE 39



Contracted From Page 37

Job #

DNR Contract No. 2503-12-1A

Lake Lake Shoreline Protection

Dredging Project (PA-07)

GPS Base Sta. C at 9000

Survey TOP E of Rock Dikes

POINT	Code	Remarks
10,293	CHK	QC TO POINT SM-02 A9001
Elev 9,320		H-DIST 0001 VER-DIST 0000
10,310	TOP	TOP E OF ROCKS
309	"	"
308	"	"
307	"	"
306	TOP	CROWN OF ROCKS
10,305	TES	Edge of Rock Edge of Water
304	MISC	Wooden Aiking W Sign on it
303	NG	NAT. Station
202	"	"
302	"	"
10,300	TES	Edge of Rock Edge of Water
299	TOP	CROWN OF ROCKS
298	"	TOP E OF ROCKS
297	"	"
296	"	"
295	"	"
10,294	MISC	TOP OF WATER

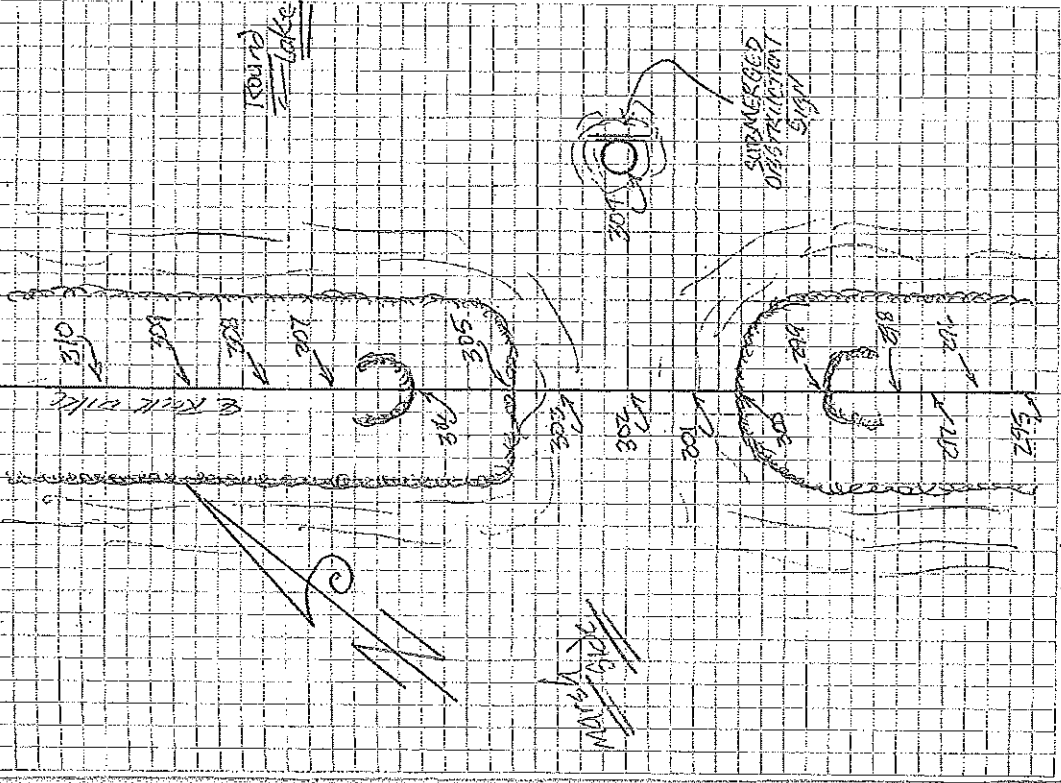
Rice & Gravy Alignment

1938

4-4-2014 39

C. Bregoux
S. Drape
S. Frenhan Jr.

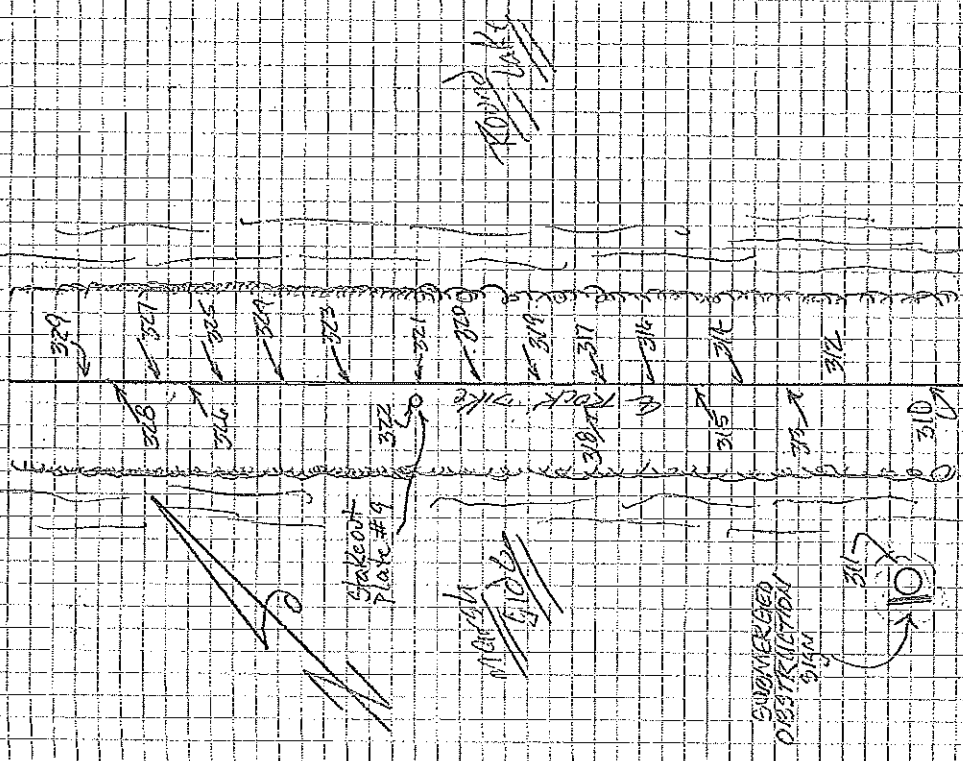
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Continued from Page 38

C. F. FERRIS
St. Louis
D. 2243140.5m

Continued on Page 41



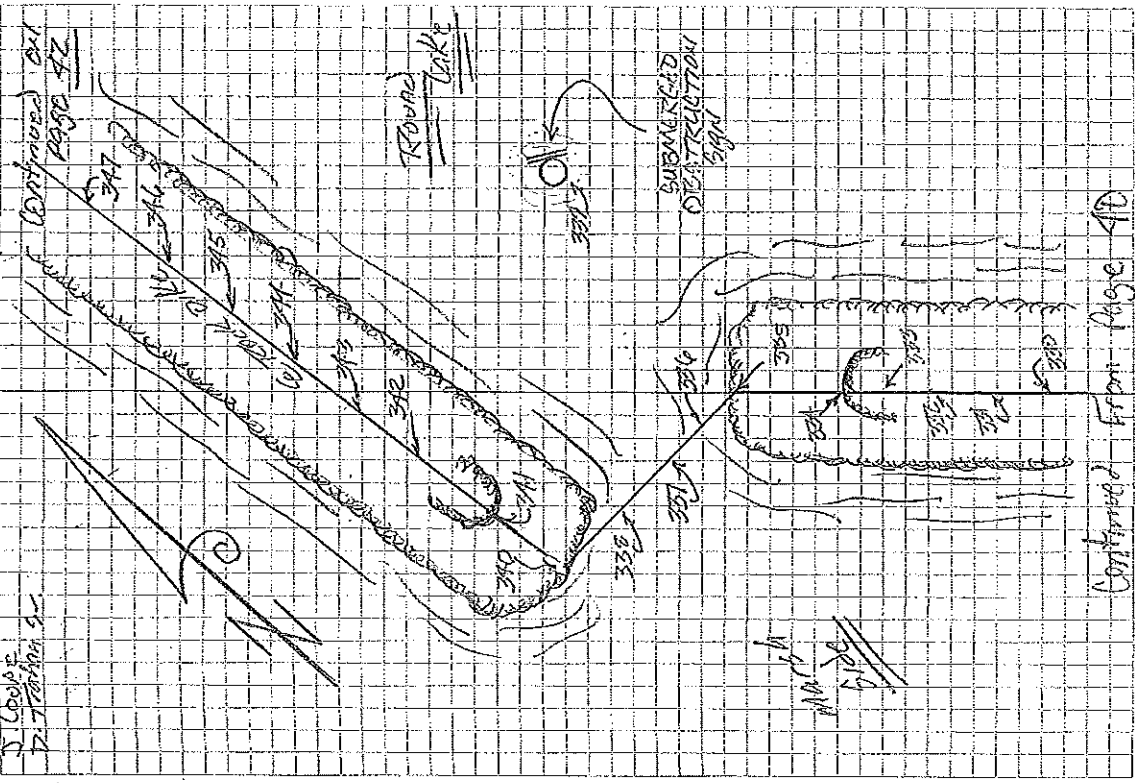
Continued from Page 39

Job #	DNR Contract No.	2503-12-14
11025-07	Little Lake Shoreline Protection	
	Designates Dredging Project (CA-37)	
	GPS Base Sta. C.P. 9000	
	Survey TOP & OF ROCK-TAKES	
POINT	Code	Remarks
329	TDS	TOP & OF ROCKS
328	"	"
327	"	"
326	"	"
10, 325	"	"
324	"	"
323	"	"
322	MISC	TOP OF 3" GALVANIZED PIPE #19
321	TDS	TOP & OF ROCKS
10, 320	"	"
319	"	"
318	"	"
317	"	"
316	"	"
10, 315	"	"
314	"	"
313	"	"
312	"	"
10, 311	MISC	WOODEN PILING W/ GUNPORT

Rice & Gravy Air Boat
1938

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C. BREWSTER
D. COOPER
D. TROTTER



Job #	DNR Contract No.	Remarks	Point	Code	Remarks
1102501	2503-12-14	Little Lake Shore Line Protection	347	TOS	TOP E OF ROCKS
		Dedicated dredging project (BA-31)	346	"	"
		GPS Base Sta. @ Pt. 9000	10,345	"	"
		Survey Top E of Rock Dikes	344	"	"
			343	"	"
			342	"	"
			341	TOS	Crown of Rocks
			10,340	TES	Edge of Rocks Edge of Water
			339	MISC	Wooden Piling w/ sign on it
			338	NG	NAT. Bottom
			337	"	"
			336	"	"
			10,335	TES	Edge of Rocks edge of Water
			334	TOS	Crown of Rocks
			333	"	"
			332	"	"
			331	"	"
			10,330	"	"

Knee & Gravel Air Boat

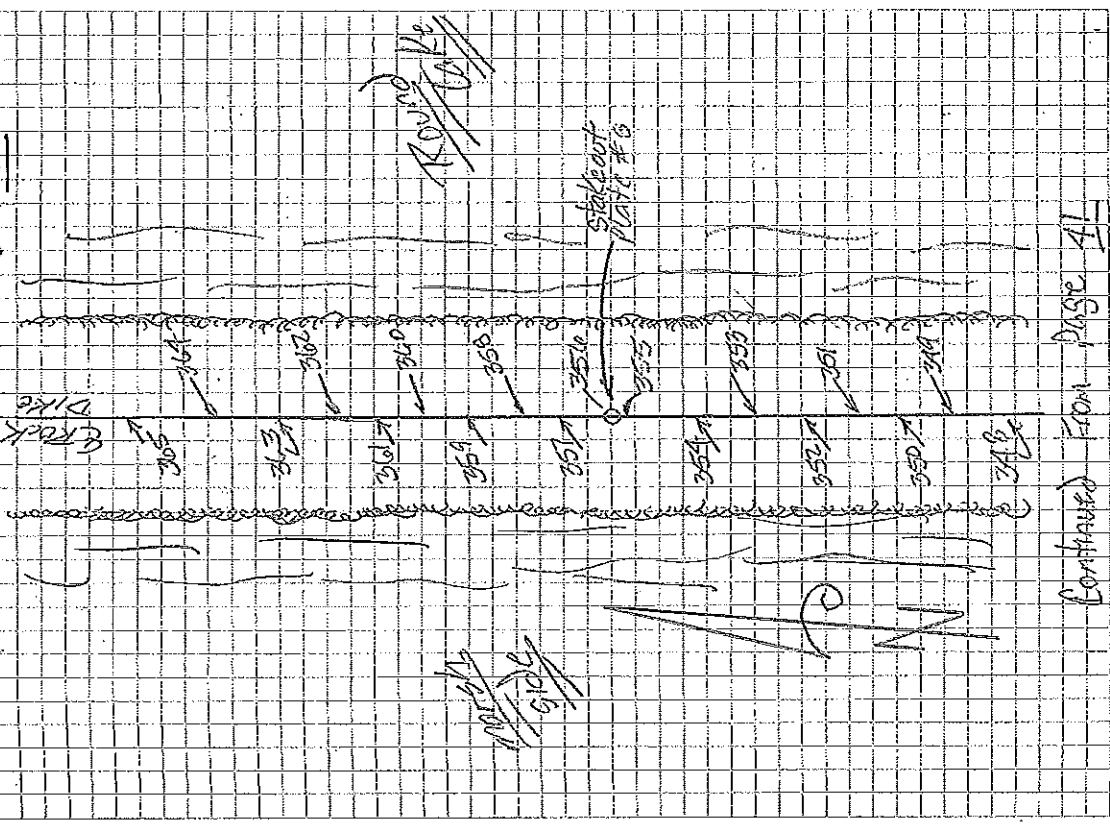
42

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4/4/2014

Continued on Page 43

C. Brown
D. L. Brown Sr.



Continued FROM PAGE 41

Job #	Contract No.	Date	Remarks
1025-07	DNR Little Lake Shoreline Protection	12-14	
	Dedicated Dredging Project (BA-31)		
	GPS Base Sta. C.A. 9000		
	Survey TOP E OF ROCK DIKES		
POINT	Code	Remarks	
366	MISC	TOP OF WATER	
10,365	TDS	TOP E OF ROCKS	
364	"	"	"
363	"	"	"
362	"	"	"
361	"	"	"
10,360	"	"	"
359	"	"	"
358	"	"	"
357	"	"	"
356	MISC	TOP E OF GRANITE PILE CAP #8	
10,355	TDS	TOP E OF ROCKS	
354	"	"	"
353	"	"	"
352	"	"	"
351	"	"	"
10,350	"	"	"
349	"	"	"
10,348	"	"	"

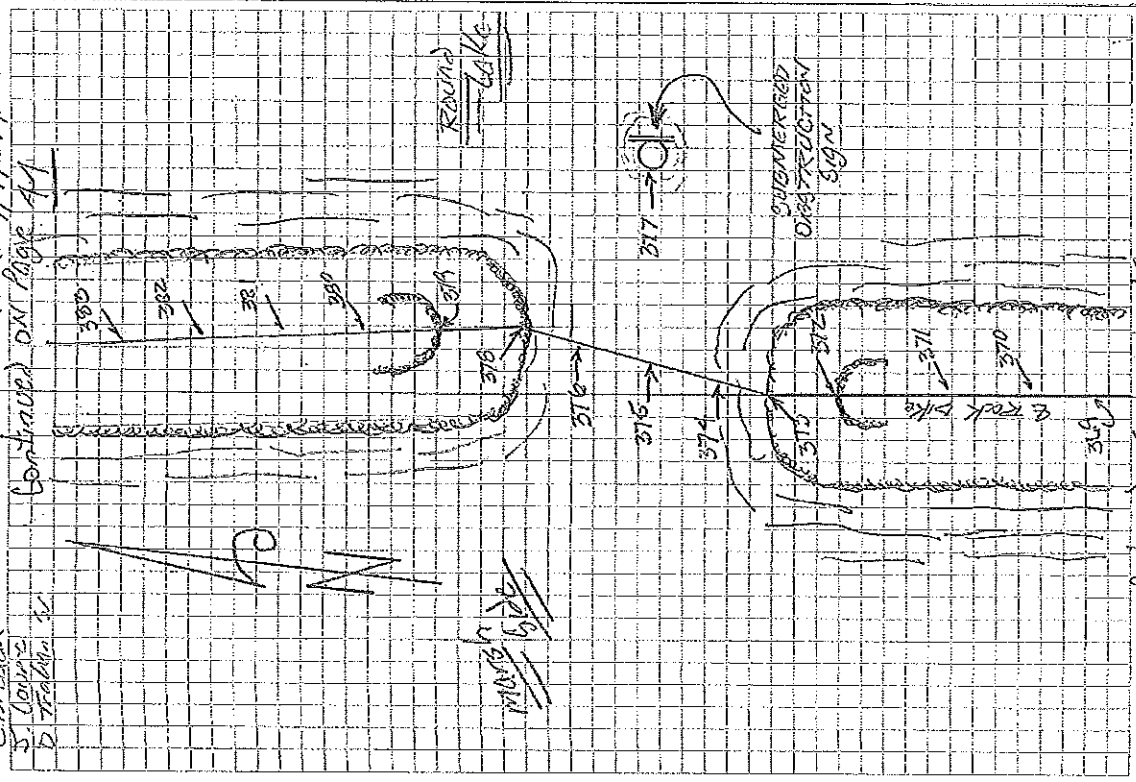
Sid L. Air Boat

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1938

Continued on Page 44

L. Breaux
S. Conroy
D. Trubian, Jr.



Continued from Page 42

Job #	DNR Contract No	2503-12A
11025-01	Lake Shoreline Protection	
	Dedicated Dredging Project (see 57)	
	GPS Base Sta. E of 9000	
	Survey Top E of Rock Dikes	
Point	Code	Remarks
19367	LHK	QC TO POINT 9M-02 AT 9001
Elev. 6,299	H=101.0004	Vertical O.C.ZZ
303	TOP	TOP E OF ROCKS
302	"	" " "
301	"	" " "
10,280	"	" " "
379	TOP	Crown of Rocks
378	TES	Edge of Rocks Edge of Water
377	MISC	wooden Plug w/ sign exit
376	NG	NAT. Bottom
10,375	"	" " "
374	"	" " "
373	TES	Edge of Rocks Edge of Water
372	TOP	Crown of Rocks
371	"	TOP E OF ROCKS
10,370	"	" " "
369	"	" " "
10,368	MISC	TOP OF WATER

Job #

11025-11

DNR Contract No. 2503-12-44

Little Lake Shore Line Protection
Dedicated Dredging Project (CA-57)

GPS Base Sta. C.R. 9000

Survey TOP & OF ROCK DIKES

POINT	Code	Remarks
1 403	TOS	CROWN OF ROCKS
402	"	TOP & OF ROCKS
401	"	"
10,400	"	"
399	"	"
398	"	"
397	"	"
396	"	"
395	"	"
394	"	"
393	"	"
392	"	"
391	MISC	TOP OF 3" GALVANIZED PIPE w/ CAP # 7
10,390	TOS	TOP & OF ROCK DIKE
389	"	"
388	"	"
387	"	"
386	"	"
385	"	"
10,384	"	"

Sub L. Air Road

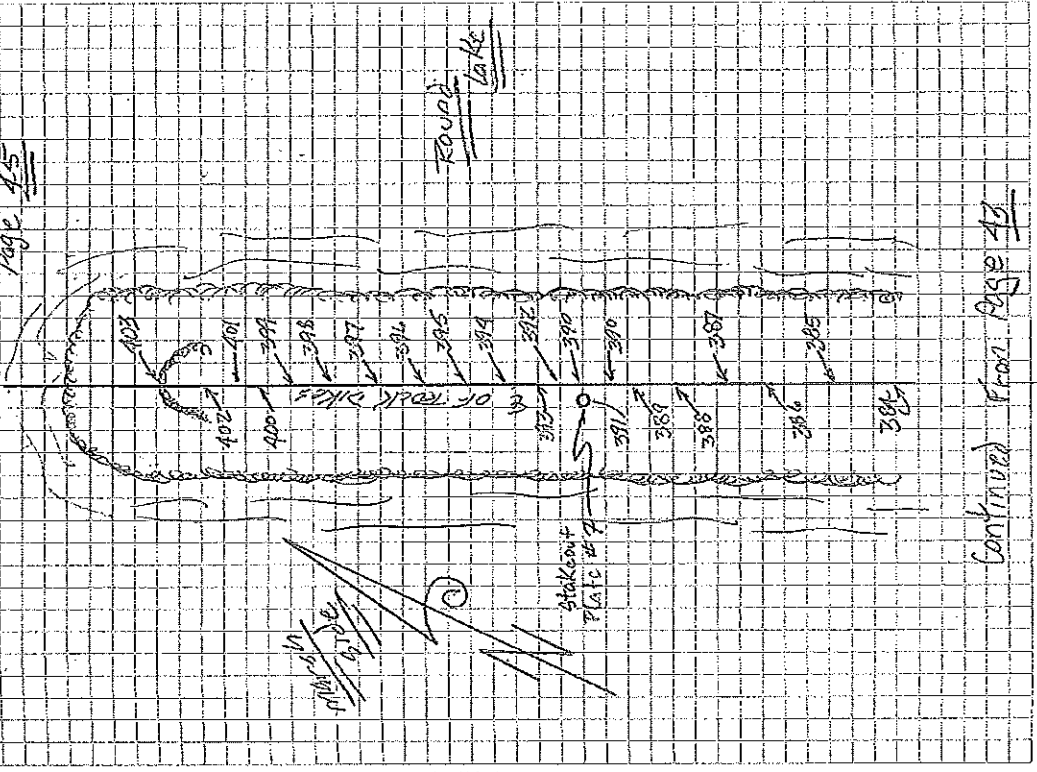
1938

4/7/2014

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Continued on

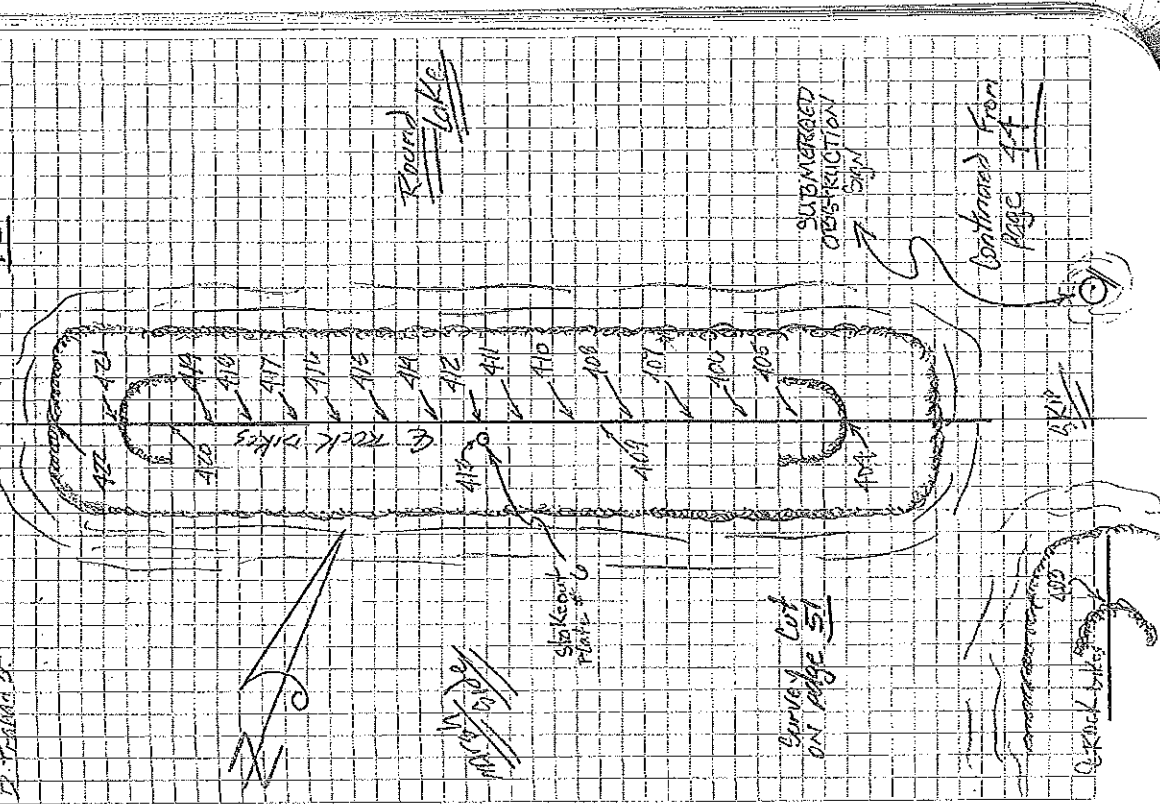
Page 45



Continued From Page 43

Job # 1102501
 DNR Contract No 2503-12-14
 Little Lake Shore Line Protection
 Dedicated Dredging Project (BA-37)
 GPS Base Sta. C A. 9000
 Survey Top E of Rock Dikes

POINT	Code	REMARKS
423	MISC	TOP OF WATER
422	TES	EDGE OF ROCKS EDGE OF WATER
421	TOS	CROWN OF ROCKS
10,420	"	TOP E OF ROCKS
419	"	"
418	"	"
417	"	"
416	"	"
10,415	"	"
414	"	"
413	MISC	TOP OF 3" GALVANIZED ARE W/ CAP # 6
412	TOS	TOP E OF ROCKS
411	"	"
10,410	"	"
409	"	"
408	"	"
407	"	"
406	"	"
405	"	"
10,404	TOS	CROWN OF ROCKS



1938
 4/7/2014
 45

CONTINUED ON PAGE 44

10-20-2014
 S. GAVIN
 P. T. TAYLOR

Continued from page 44

Submerged Obstruction

Survey Cut on page 51

Stakeout Plate # 6

Road Lake

Continued from page 44

Submerged Obstruction

Survey Cut on page 51

Stakeout Plate # 6

Road Lake

Continued from page 44

Submerged Obstruction

Survey Cut on page 51

Stakeout Plate # 6

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Survey Cut on page 51

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Submerged Obstruction

Survey Cut on page 51

Stakeout Plate # 6

Road Lake

Continued from page 44

Submerged Obstruction

Job #

DNR Contract No. 2503-12-14
Little Lake Shoreline Protection

Dedicated Dredging Project (BA-51)
GPS Base Sta. @ AL 9000

Survey TOP E. OF ROCK DIKE

POINT CODE REMARKS
10424 CHK QC TO POINT 5M-02 AT 9001
Elev. G. 369 H=55.8 0.021 WATER 0.078

441 TDS TOP E. OF ROCKS

10440 " " "

429 " " "

438 " " "

437 " " "

436 " " "

10425 " " "

434 " " "

433 " " "

422 " " "

431 " " "

10430 TDS Crown of Rocks

429 TDS Edge of Rocks Edge of

428 NG NAT. Bottom

427 " " "

426 " " "

10425 MISC. TOP OF WATER

Sid L. AIR REPORT

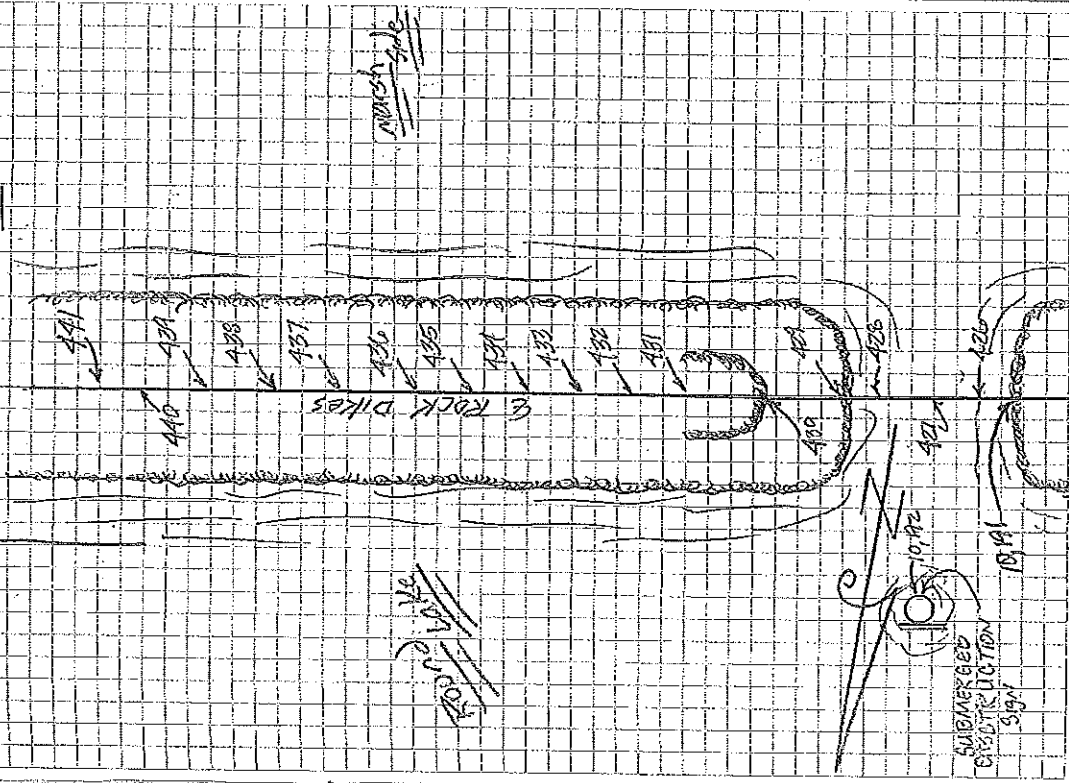
1938

4/8/2014

40

COPY TO
S. LOVING
S. TRAINOR

Continued on Page 41



~~ROCK DIKE~~

~~ROCK DIKE~~

SUBMERGED
CREDIT SIGN
10'

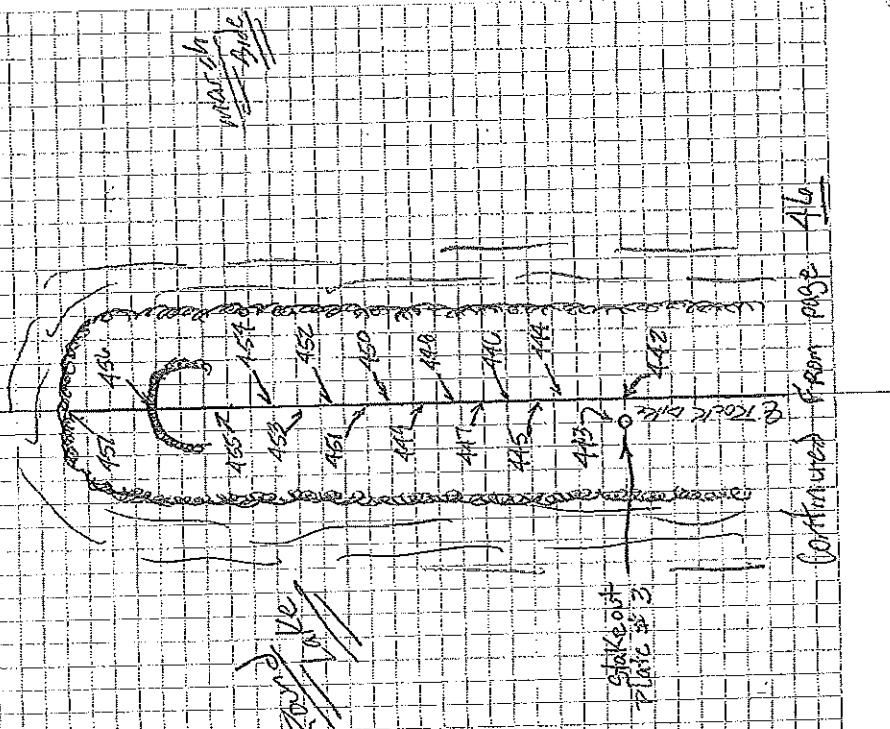
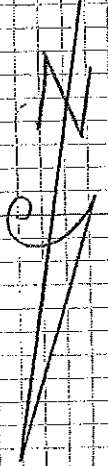
Continued from PAGE 32

Ed L. Air Boat

1938 4/8/2014 47

C. Breau
5 Dove
D. Franck

Continued on page 55



Continued from page 46

Job #	Contract No.	Date	Location	Project	Point Code	Remarks
11025-07	1102503-12-14		Little Lake Shore Line Protection	Dedicated Dredging Project (CA-87)		
				G.P.S. Base Sta. C At 9000		
				Survey TOP & OF ROCK DIKES		
					458	MISC TOP OF WATER
					457	TES Edge of Rocks Edge of Water
					456	TOB Crown of Rocks
					10,455	TOP & OF ROCKS
					454	" "
					453	" "
					452	" "
					451	" "
					10,450	" "
					449	" "
					448	" "
					447	" "
					446	" "
					10,445	" "
					444	" "
					443	MISC TOP OF 3" GALVANIZED PIPE W/ CAP # 3
					10,442	TOB TOP & OF ROCKS

Job #

102507

DNR Contract No. 2503-12-14

Little Lake Shoreline Protection

Dedicated Dredging Project (04-37)

GPS Base Sta. E.A. 9000

Survey Top E. of Rock Dike

POINT

Code

Remarks

10496

misc

TOP OF WATER

10495

TES

EDGE OF ROCK'S EDGE OF WATER

10494

TOP

CROWN OF ROCKS

50

1938

4/9/2004

C. Braim

J. Lopez

D. Thompson

See Page 49

for Drawing



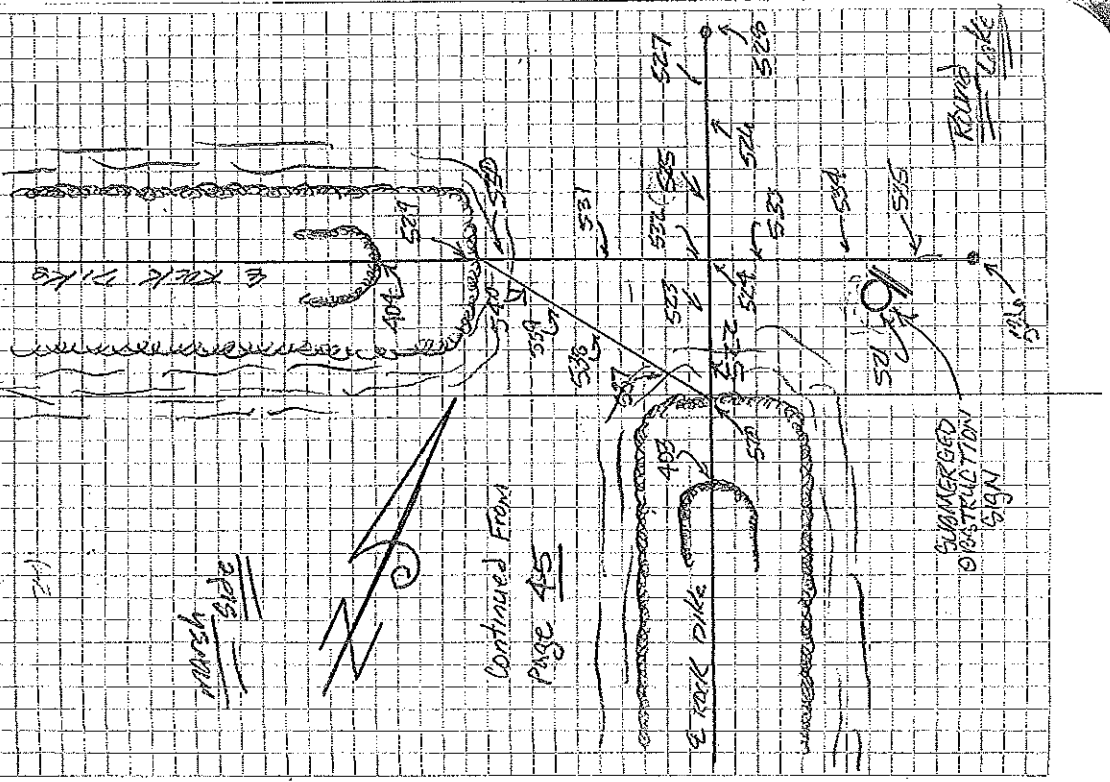
Job #

DNR Contract No. 2003-12-14
 Little Lake Shoreline Protection
 Dedicated Dredging Project (2007)
 GPS Base Sta. C.A. 9000
 Survey of Cut between Rock Dikes

Point	Code	Remarks
10,497	CHK	QC TO POINT 5M-02 AT 9001
Elev. 6,296		HEIGHT C. 201 POINT C. 024
534	NG	NAT. BOTTOM
533	"	"
532	"	"
531	"	"
10,530	"	"
529	TES	EDGE OF ROCKS EDGE OF WATER
528	NG	NAT. BOTTOM
527	"	"
526	"	"
* 10,525	"	NAT. BOTTOM (3-section Ranger Pole MP. 2)
524	"	"
523	"	"
522	NG	"
521	MISC	WOODEN PILING w/ SIGN ON IT
10,520	TES	EDGE OF ROCKS EDGE OF WATER
10,498	MISC	TOP OF WATER

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C. B. BROWN
 J. DAVIS
 R. STANTON Sr.



Submerged Obstruction Sign
 Marsh Side
 E. Rock Dike
 Round Code

Job #

11025-51

DNR Contract No. 2503-12-14

Little Lake Shoreline Protection

Dredged material Dredging Project (CA-37)

CPS Base Station @ Pt. 9000

Survey of Cut Between Rock Dikes

POINT CODE REMARKS

10,541 MISO TPO OF WATER

10,540 N/G NAT. SECTION

539 " " "

538 " " "

537 " " "

536 " " "

10,535 " " "

52

1938

7/10/2014

C. REBEAU

S. LOVING
D. TRAHAN SR.

See Page 51

FOR DRAWING



Job #

DNR Contract No. 2503-12-14

Little Lake Shoreline Protection

Dedicated Dredging Project (84-07)

GPS Base Sta. C 74. 9000

Survey OF Out-Postment's Rock Dikes

POINT CODE REMARKS

519 NG NAT. Bottom

518 " " "

517 " " "

516 " " "

10515 NG NAT. Bottom

1998 1/12/2014 53

C. BEASLEY
J. LOUPE
D. FREDERICKSON SR.

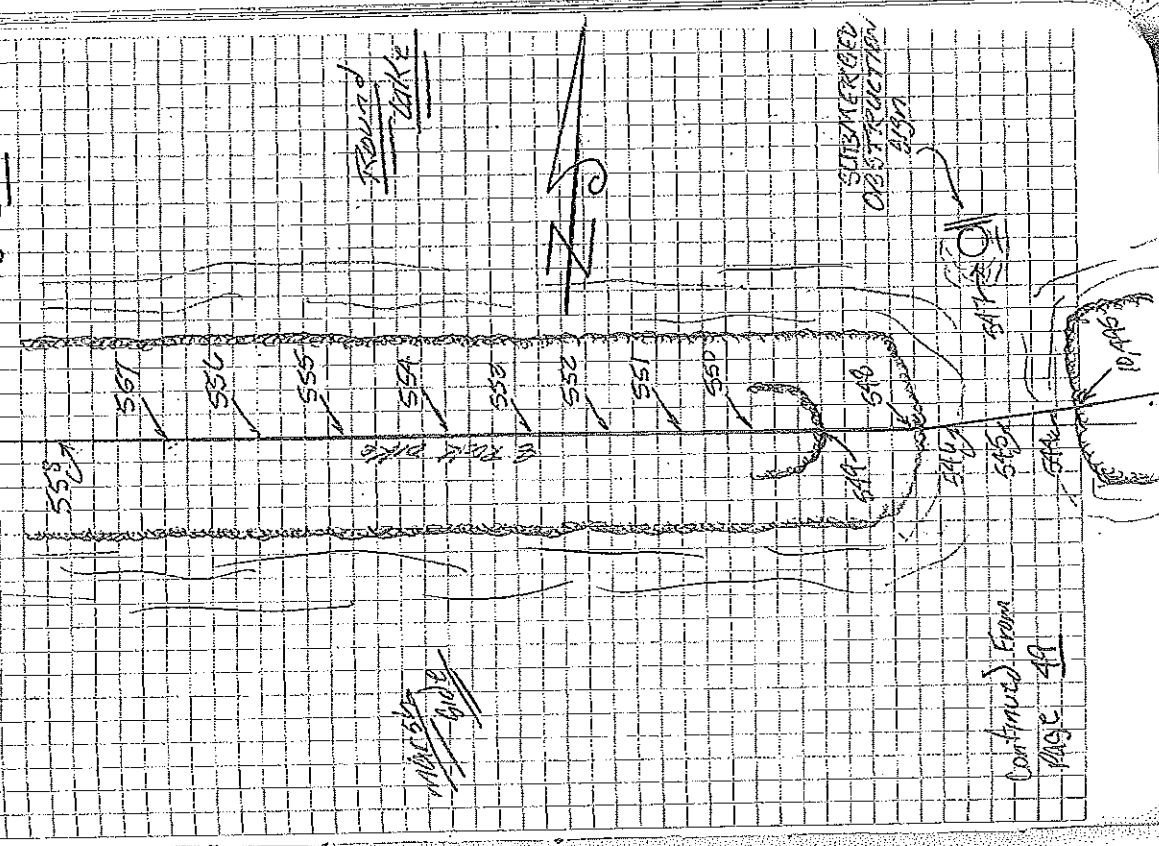
Continued From

Page 24

1988 April 2014 54

C. Breasick
S. Dovic
D. T. ...

Continued on Page 55



Job #	DNR Contract No	Location	Code	Remarks
1025-07	2508-12-14	Cable Lake Shore Line Protection	CHK	QC TO PT 5M-02 A19001
		Dedicated Dredging Project (200-37)	W-INT	POINT 0.052
		GPS Base Sta. C At 9000		
		Survey of E of Rock Dikes		
Point				
10,542				
Elev	10,373			
558		TOP E OF ROCK		
557		"		
556		"		
10,565		"		
564		"		
553		"		
562		"		
561		"		
10,550		"		
549		CROWN OF ROCKS		
548		Edge of Rocks Edge of Water		
547		wooden Piling w/ sign on it		
546		MAT Bottom Rocks		
10,545		"		
544		"		
10,543		TOP OF WATER		

Job #

11025-07 DNR Contract No. 2503-12-14
Little Lake Shoreline Protection
Dedicated Dredging Project (A-37)

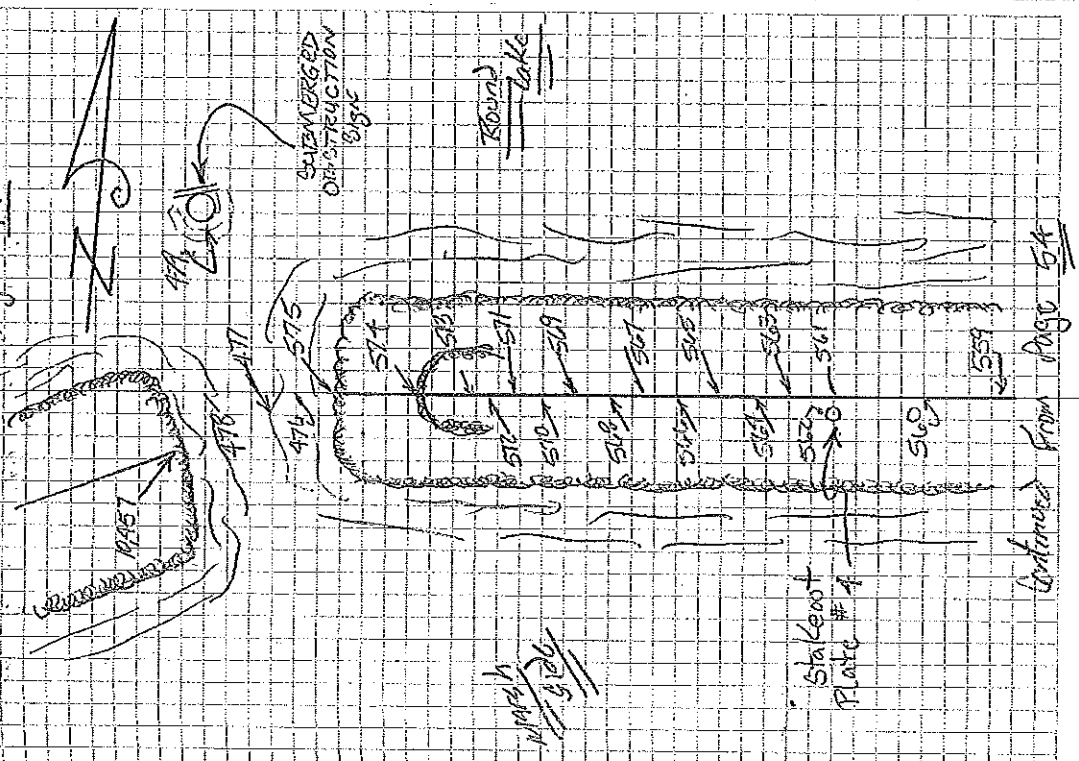
GPS Base Sta. C RA 9000
Survey of E of Rock DIKE

POINT	Code	REMARKS
10, 575	T&S	Edge of Rocks Edge of water
574	TOS	Crown of Rocks
573	"	TOP E OF ROCKS
572	"	" "
571	"	" "
10, 570	"	" "
569	"	" "
568	"	" "
567	"	" "
566	"	" "
10, 565	"	" "
564	"	" "
563	"	" "
562	misc	TOP OF 2" GALVANIZED PIPE 1" CAP # 4
561	TOS	TOP E OF ROCKS
560	"	" "
10, 559	"	" "

1938 April 2014 55

C. BRESNAHAN
S. TRAHAN, Sr.

Continued From Page 47



Continued From Page 54

1938 4/11/2017 56

L. Breaux
J. Lewis
D. F. Fisher Sr.

See Page 55
for Drawing

Job #	DNR Contract No.	Date	Remarks
11025-01	Little Lake Shoreline Protection	2003-12-14	
	Dredged Dredging Project (09-37)		
	GPS Base Sta. @ Pt. 9000		
	Survey of E of Rock Dikes		
Point	Code	Remarks	
10580	MISC	TOP of WATER	
579	MISC	WOODEN PILING w/ BIGN ORNIT	
578	NG	NAT. BOTTOM ROCKS	
577	"	"	"
10576	"	"	"

APPENDIX A
Scope of Services



State of Louisiana

BOBBY JINDAL
GOVERNOR

December 9, 2013

11025-07

Mr. Morris P. Hebert, P.L.S.
Morris P. Hebert, Inc.
283 Corporate Drive
Houma, LA 70361

Re: Contract No. 2503-12-14, "Surveying Services for Coastal Restoration Projects"
Notice to Proceed – Little Lake Shoreline Protection/Dedicated Dredging near Round Lake
Task 8

Dear Mr. Hebert:

The Coastal Protection and Restoration Authority (CPRA) is in receipt of your proposal to perform the referenced task. You are hereby authorized to begin work, as referenced in the attached scope of services, effective today in an amount not to exceed \$73,200.00. **Written authorization from me is required prior to performing any work that is outside of this scope of services or exceeds this authorized amount.**

Adam Ledet will serve as your Task Manager for this effort. All correspondence, deliverables, and invoices related to this referenced task (and all subtasks) should be submitted to him at 1440 Tiger Drive, Suite B, Thibodaux, LA 70301. Prior to processing any invoice, I will correspond with Adam Ledet to ensure that the deliverables are received, complete, and satisfactory. All invoices should be submitted with the attached Monitoring Report.

By acceptance of this Task Order, you agree that you have fully disclosed any contractual relationship you have with regard to any of the entities identified by the U.S. Coast Guard as Responsible Parties or any parent companies or subsidiaries of Responsible Parties, or any of their contractors or subcontractors, or any other potentially adverse parties to the state of Louisiana with regard to the Deepwater Horizon incident or resulting litigation including but not limited to BP Exploration and Production, Inc. or its parent companies or subsidiaries, and that no conflict of interest or any situation which may be construed to present a conflict of interest exists. You also agree that you will perform this Task Order in the best interests of the State of Louisiana. You also agree to be subject to the agreements that the State enters into to the extent that they affect your performance of this Order. You also agree to make the Task Manager aware of, and obtain the Task Manager's prior written approval, before accepting any funds from any of the entities identified by the U.S. Coast Guard as Responsible Parties or any parent companies or subsidiaries of Responsible Parties, or any of their contractors or subcontractors, or any other potentially adverse parties to the state of Louisiana with regard to the Deepwater Horizon incident or resulting litigation including but not limited to BP Exploration and Production, Inc. or its parent companies or subsidiaries, or any Federal, other state, or local government entity, and/or before providing any services that are in any way oil spill-related, or that involve any

other work, research and/or projects that could potentially affect the Natural Resource Damage Assessment, claims process or potential litigation for the State regardless of level of compensation. Furthermore, you agree to advise the Task Manager in writing should there be any other change in your contractual commitments that affects the performance of this Order.

Morris P. Hebert, Inc.'s project staff providing services for CLIENT under this Notice to Proceed shall be likewise precluded and shall not provide any services for any of the entities described above.

All efforts in this matter and the results of Morris P. Hebert, Inc.'s activities may be used by the State in litigation stemming from the Deepwater Horizon incident. Information in any form (oral, electronic, written, or otherwise) whether provided to Morris P. Hebert, Inc., its agents or employees or generated or obtained by Morris P. Hebert, Inc., its agents or employees in connection with this Task Order identified or can be reasonably identified as relating to the Deepwater Horizon incident, the Natural Resource Damage Assessment being performed by the State and other trustees, claims process, or resulting litigation is "Confidential Information." Confidential Information, including but not limited to any work product, shall be held in strict confidence. Morris P. Hebert, Inc. shall not disclose Confidential Information to any person or entity not covered by an obligation of confidentiality to the State, or without the prior written approval of Task Manager or designee. Morris P. Hebert, Inc. shall conspicuously mark each page of any written documentation and work product (whether in preliminary, draft, or final form) with the legend "**Confidential Information: Privileged & Confidential Work Product**". The above obligations of confidentiality survive the termination of this Task Order for whatever reason.

Nothing herein is meant to prevent nor shall be interpreted as preventing Morris P. Hebert, Inc. from disclosing and/or using any information or data (i) when information or data are generally available to the public without Morris P. Hebert, Inc. disclosure at any time before or after it was acquired; (ii) where a written release is obtained by Morris P. Hebert, Inc. from the Task Manager; or (iii) when required by process of law. Morris P. Hebert, Inc. shall notify the Task Manager in writing prior to any disclosure.

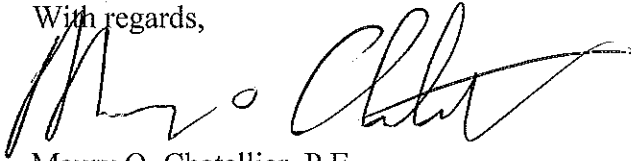
All data, records, reports, documents and other material delivered or transmitted to Morris P. Hebert, Inc. or any agent or employee of Morris P. Hebert, Inc. by the State shall remain the property of the State, and shall be returned by Morris P. Hebert, Inc. to the State, at Morris P. Hebert, Inc.'s expense at termination or expiration of this Task Order. All data, records, reports, documents, or other material related to this Task Order and/or obtained or prepared by Morris P. Hebert, Inc. or any agent or employee of Morris P. Hebert, Inc. in connection with the performance of the Services contracted for herein shall become the property of the State, and shall, upon request, be returned by Morris P. Hebert, Inc. to the State, at Morris P. Hebert, Inc.'s expense, at termination or expiration of this Task Order.

Morris P. Hebert, Inc. acknowledges receipt and review of the Litigation Hold issued by Attorney General James D. "Buddy" Caldwell to CPRA on October 27, 2011. Morris P. Hebert, Inc. agrees that the work performed under this Task Order may be subject to this Litigation Hold and agrees to follow the procedures found therein. Morris P. Hebert, Inc. agrees to retain all books, records, electronically stored information and communications, and other documents relevant to this Task Order and the funds expended hereunder until otherwise instructed by the State.

The foregoing terms and conditions shall apply to any and all subcontractors Morris P. Hebert, Inc. utilizes to perform the referenced task.

If there are any questions, please contact me at (225) 342-5944 or Maury.Chatellier@la.gov.

With regards,

A handwritten signature in black ink, appearing to read "Maury O. Chatellier". The signature is fluid and cursive, with a long horizontal stroke at the end.

Maury O. Chatellier, P.E.
Chief, Engineering Division

MOC/dpg

cc: Adam Ledet, CPRA Task Manager
Brian Babin, CPRA
Aric Gisclair, Morris P. Hebert, Inc.
Contract File No. 2503-12-14



State of Louisiana

BOBBY JINDAL
GOVERNOR

December 9, 2013

MEMORANDUM

To: Maury O. Chatellier, P.E., Chief, Engineering Division

From: Denise Gaines, Administrative Program Specialist

Re: Notice to Proceed, Task #8
Contract No. 2503-12-14
"Little Lake Shoreline Protection/Dedicated Dredging near Round Lake Project"

This task is to perform the survey of 24 settlement plates, 26,000 linear feet foreshore rock dike profile and transects, and packaged deliverables.

Please note the attached Notice to Proceed and Scope of Services for Task 8 in the amount of \$73,200.00. Adam Ledet will serve as the Task Manager.

This task will be charged to cost center 2511, reporting category 10910F2, purpose code 03.

Thank you.

Attachments:
Notice to Proceed
Scope of Services



State of Louisiana
DEPARTMENT OF JUSTICE
OFFICE OF THE ATTORNEY GENERAL
POST OFFICE BOX 94005
BATON ROUGE 70804-9005

JAMES D. "BUDDY" CALDWELL
ATTORNEY GENERAL

October 27, 2011

Mr. Clifton O. Bingham
General Counsel
Office of Coastal Protection and Restoration
P.O. Box 44027
Baton Rouge, LA 70804-4027

**RE: Deepwater Horizon Disaster – Louisiana Agency Litigation Hold
Information**

Dear Agency Executive Counsel:

The State is investigating and evaluating any and all claims it may have arising out of the Deepwater Horizon ("DWH") disaster, including, but not limited to potential claims arising under the Oil Pollution Act of 1990, 33 U.S.C. §§ 2701 *et seq.*, the Louisiana Oil Spill Prevention and Response Act, La. R.S. 30:2451 *et seq.*, the Outer Continental Shelf Lands Act, 43 U.S.C. §§ 1333 *et seq.*, the Clean Water Act, 33 U.S.C. §§ 1251 *et seq.*, Louisiana's Environmental Quality Act, La. R.S. 30:2001 *et seq.*, state tort law, C.C. Art. 2315, general maritime law, or any other law governing the fire and explosion, as well as the discharge of oil and related substances from the floating DWH rig and Macondo well.

One of the many potential outcomes of the ongoing response and investigation could be civil lawsuits, criminal investigations, or enforcement actions arising under state or federal laws. Moreover, it is anticipated that one or more of our agencies could receive public records requests and/or subpoenas arising out of the more than 250 lawsuits already filed by private parties in this matter, or in related DWH litigation (such as shareholder and insurance coverage suits). The State also has its own claims, and we need to preserve the evidence necessary to preserve those claims. As an example, the State is entitled to recover, among other things, for a loss of taxes, royalties and fees, for increased costs of providing public services, for damage to the state's natural resources, and for damage to state property, including public lands.

Agencies and state employees have a duty to preserve potentially relevant information that may be used as evidence in pending or reasonably foreseeable litigation.¹ The duty to preserve potentially relevant information does not extend to "every shred of paper,

¹ See, e.g., *Fujitsu Ltd. v. Fed. Exp. Corp.*, 247 F.3d 423 (2nd Cir. 2001); *Zubulake v. UBS Warburg, LLC*, 220 F.R.D. 212 (S.D.N.Y. 2003); *Consolidated Aluminum Corp. v. Alcoa, Inc.*, 244 F.R.D. 335 (M.D.La. 2006).

every e-mail or electronic document, and every backup tape.”² Rather, the scope of a party's preservation obligations can be described as follows: Once a party reasonably anticipates litigation, it must suspend its routine document retention/destruction policy and put in place a “litigation hold” to ensure the preservation of relevant documents.³

Accordingly, we hereby caution all staff who are working or have worked on any aspect of the responses to or investigations of the DWH matter to be diligent and mindful of the need to preserve any potentially relevant information pertaining to this incident. “Potentially relevant information” may include any tangible thing that relates to the explosion and fire and its aftermath, including the causes of the explosion, fire, or discharges, and any resulting damages, costs, or effects suffered by the State of Louisiana, its agencies or employees, and including our State’s natural resources. Examples of such information might include, but are not limited to, equipment or materials salvaged during response actions, samples, and other physical things, documents such as inspection materials, field notes, analytical data for samples, internal communications, and electronic information (including e-mail, blogs or other electronic media). Work associated with the ongoing NRDA process or other damages investigations would also be included, including any studies, communications and contracts.

In order to comply with this litigation hold request, we would advise you to take the following actions:

1. Do not delete, throw out, shred, or otherwise destroy potentially relevant information, or allow deletion to happen by automatic deletion operations.
2. Maintain relevant electronically stored information (“ESI”), hard copies of documents, and tangible things as described above. You should take steps to ensure that ESI is preserved in such a way as to preserve the “metadata” (internal computer data) embedded in the ESI. If you do not understand what this involves, please contact your IT staff to assist you with specific problems you may face. You should expeditiously identify any critical databases that may contain relevant information and which may be updated and cause the information to be lost to determine what steps, if any, need to be taken to ensure the preservation of relevant data without adversely disrupting Agency operations.
3. Take affirmative steps to prevent the destruction of any potentially relevant information that has been transferred to a state records center or any other location according to your agency’s document retention schedule developed in accordance with La. R.S. 44:411 *et seq.*
4. Before any computer or electronic system that contains relevant information is retired or upgraded, or before an old computer or hard drive containing

² *Zubulake*, 220 F.R.D. at 218.

³ *Id.*

relevant information is retired or reimaged, whether because of a departing employee or otherwise, please ensure that the agency retains access to potentially relevant information after the retirement or upgrade.

5. If potentially relevant ESI has not been preserved, then immediately contact your IT staff. Under some circumstances, IT staff may be able to recover information.
6. Maintain information subject to the litigation hold in an orderly, readily retrievable manner, **keeping confidential and/or privileged information separate from publicly releasable information**, and be prepared to provide materials subject to this litigation hold for review and/or production as needed for any subsequent case development, settlement discussions, alternative dispute resolution, preparation of privilege logs, discovery, pre-trial activities, and trial.
7. If you need to comply with an e-mail space quota, do not delete potentially relevant e-mail or move it from the e-mail system. You may move the potentially relevant information to an existing archive within the e-mail system if that archive exists on a network hard drive and will not be subject to accidental deletion. If you do not know if your archive meets these criteria, or if you need to create an archive, do not delete or move anything, and contact your IT department.
8. If you are a supervisor, monitor and take all reasonable steps to make sure those you supervise comply with these instructions. It is our recommendation that each agency's Executive or General Counsel should implement this litigation hold and document all efforts to preserve evidence at the agency they serve;
9. Please be prepared to cooperate with our office at a future time in collecting the information being preserved.

In the future, you may receive additional instructions for producing this information. In the meantime, please carefully review this information and preserve all materials in accordance with these instructions.

We require that you certify that you have received, read, and understand these instructions by sending a reply email to Dan Major, Jr. at MajorDa@ag.state.la.us. If you have any questions regarding these instructions, please contact Megan K. Terrell - (225) 326-6085 or terrellm@ag.state.la.us.

Remember that this is VERY IMPORTANT and failure to comply with these instructions may result in sanctions being imposed or exclusion of evidence at trial.

Thank you for your attention to this matter and please feel free to contact me should you need any assistance with the implementation of this litigation hold request.

Sincerely,

A handwritten signature in cursive script, appearing to read "James D. Caldwell". The signature is written in black ink and is positioned above the printed name and title.

JAMES D. "BUDDY" CALDWELL
ATTORNEY GENERAL

CORPORATE OFFICE

283 Corporate Drive
Houma, LA 70360
Phone: 985-879-2731

TX Survey Firm Registration: 10193786



OFFICE LOCATIONS

Houston, TX
San Antonio, TX
Baton Rouge, LA
Clinton, New Jersey

November 20, 2013

Coastal Protection and Restoration Authority of Louisiana
1440 Tiger Drive, Suite B
Thibodaux, LA 70301

ATTN: Adam Ledet

RE: **DNR Contract No. 2503-12-14**
"Surveying Services Assistance for Coastal Restoration Projects"
Request for Cost Proposal for Surveying Services
Little Lake Shoreline Protection / Dedicated Dredging Project (BA-37)

Dear Mr. Ledet:

Morris P. Hebert, Inc. (MPH) is pleased to submit this professional services proposal and cost estimate to provide surveying and mapping services associated with the above referenced project. Pursuant to your request, we have prepared the following Safety Awareness, Project Description, Scope of Services, MPH Cost Estimate, Schedule of Survey and Deliverables, General Notes and Comments.

Little Lake Shoreline Protection
Dedicated Dredging Project (BA-37)

Proposal for Surveying and Mapping

1.0 SAFETY

MPH's number one priority is SAFETY, on and off the job. MPH continuously stresses the importance of safety to all of our employees and subcontractors and has been recognized by some of our clients, such as Shell Oil Company, Exxon USA and more recently, Chevron Pipe Line Company for our safety performance. MPH believes that the safety of employees is of utmost importance, along with quality, production, and cost-control. Maintaining safe-operating procedures at all times is of both monetary and human value, with human value being far greater to the employer, the employee, and the community. We firmly believe that all accidents and injuries are preventable through the establishment of and compliance with safe work procedures. Our company policies have been developed to reflect and communicate a proactive approach to safety through continuous improvement and

involvement of our employees. MPH utilizes safety meetings, employee training and daily job safety analyses to assist us with our efforts. Our primary focus is directed on maintaining a drug-free workplace with a proactive safety and loss prevention program that fosters an accident and injury-free environment. MPH maintains active Safety Policy and Procedures, which outlines safe operating procedures for our profession in addition to a DOT Alcohol Misuse Prevention Plan and an Anti-Drug Testing Plan. MPH has qualified personnel under the DOT Operator Qualification Program to perform covered tasks associated with the surveying and pipeline industry.

2.0 Project Description

The project includes approximately 25,000 linear feet of rock dike constructed along the Little Lake shoreline and approximately 1,000 acres of marsh creation/nourishment that was completed in March 2007. The project is sponsored by the United States Department of Commerce / National Ocean and Atmospheric Administration (NOAA) / National Marine Fisheries Services (NMFS) and the Louisiana Department of Natural Resources (LDNR) under the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA).

3.0 SCOPE OF SERVICES

MPH shall perform the surveying services necessary to complete the tasks for Little Lake Shoreline Protection / Dedicated Dredging near Round Lake Project (BA-37) as outlined in the following subsections.

3.1 Rock Dike Settlement Plate Survey

Perform RTK survey of the tops of the 24 settlement plate pipes installed in the foreshore rock dike segments. This survey shall be referenced to the LDNR Louisiana Coastal Zone (LCZ) GPS Network. The LCZ Secondary Monuments to be used as the GPS reference station shall be the same two used by the contractor during his surveys, BA37-SM-01 and BA37-SM-02.

3.2 Rock Dike Profile and Transects

Perform survey profile and transects of approximately 26,000 linear feet of rock dike shoreline along 24 separate segments. The points along the survey profile shall be taken at 50 ft. intervals and all abrupt changes in elevations along the profile. All transects shall be taken at stations shown on the attached map, with points along transect taken every 25 ft., and at all abrupt changes in elevations. Transects shall extend approximately 50 ft from the toe of dike on the lake side and to the existing vegetative line on the marsh side. This survey shall be referenced to the LDNR Louisiana Coastal Zone (LCZ) GPS Network. The LCZ Secondary Monuments to be used as the GPS reference station shall be the same two used by the contractor during his surveys, BA37-SM-01 and BA37-SM-02.

3.3 Deliverables

A Survey Report shall be provided to OCPD and shall contain the following information:

- a. The methodology section shall contain but not be limited to the following information: project description, planning and layout of the survey, information on Secondary Monument used as reference station, dates for each job task and key personnel involved, the GPS RTK survey including quality assurance (elevation check) procedures, equipment used for data collection, and downloading/processing procedures. This section shall be in Microsoft Word format.
- b. Electronic survey data shall be submitted in ASCII format and shall contain the point number, x-coordinate, y-coordinate, elevation, and description (grid location, e.g. 4A-14A or settlement plate and rock segment). Two separate files shall be generated. One will contain the marsh survey data, and the other will contain the settlement plate elevations. Survey data shall be reported in Louisiana State Plane Coordinates, South Zone in feet with elevations in feet. All survey data shall be referenced to the North American Datum of 1983 (NAD 83) and the North American Vertical Datum of 1988 (NAVD 88). The data files shall be written to the compact disc (CD) with hard copies bound in the survey report.
- c. A plan view drawing shall be created for the project area with the Marsh Creation Area grid and elevations clearly labeled and plotted using the coordinates. The drawing shall be referenced to the Louisiana State Plane Coordinates, South Zone, and the North American Datum of 1983 (NAD 83) in feet. The information to be shown on the drawings will include but not be limited to the following: project name; Contracting Party name; digital aerial referenced to LA State Plane Coordinates, South Zone, NAD83 in feet; grid section lines; grid point elevations in feet; labeling/description of secondary monuments and control points used (including xyz data); field book numbers; horizontal and vertical datum; survey dates; drawing date; drawing scale; and north arrow. The drawing files shall be in AutoCAD format (*.dwg) and written to the compact disc (CD). The hard copies shall be half-size, folded to 8 ½" x 11", and bound in the survey report.
- d. A plan view drawing shall be created for the project area showing the rock dike profile and settlement plate locations. The drawing shall be referenced to the Louisiana State Plane Coordinates, South Zone, and the North American Datum of 1983 (NAD 83) in feet. The information to be shown on the drawings will include but not be limited to the following: project name; Contracting Party name; digital aerial referenced to LA State Plane Coordinates, South Zone, NAD83 in feet; rock dike profile and stations; transect locations and stations; labeling/description of secondary monuments and control points used (including xyz data); field book numbers; horizontal and vertical datum; survey dates; drawing date; drawing scale; and north arrow. The drawing files shall be in AutoCAD format (*.dwg) and written to the compact disc (CD). The hard copies shall be half-size, folded to 8 ½" x 11", and bound in the survey report. In

addition to the plan view drawing, profile drawings showing each transect shall be provided. The information to be shown on profile drawings will include but not limited to the items mentioned above and will be provided in the same format and method of delivery.

- e. A table shall be generated for the settlement plate survey elevations containing the settlement plate / rock segment number, station, as-built elevation, date of as-built elevation, current elevation, and date of current survey. The table shall be in Excel format and written to the compact disc (CD). A hard copy of the table shall be bound in the survey report.
- f. Provide a table for each average marsh elevation area that includes the individual points and the averaged elevation. The tables shall be in Excel format and written to the compact disc (CD). A hard copy of the tables shall be bound in the survey report.
- g. All deliverables shall be certified by a professional land surveyor licensed in the State of Louisiana.

4.0 MPH Cost Estimate TOTAL - \$73,200; which includes the following:

4.1 Rock Dike Settlement Plate Survey - \$4,100

Includes all personnel, equipment, and supplies necessary to perform field and office work associated this task. According to the Figure attached to the scope, MPH will record the position and elevation of the tops of 24 settlement plate pipes locations using GPS-RTK. Estimate includes mob/demob and the use of an airboat w/ operator for transportation. This estimate is based on utilizing (1)-three-man survey crew working approximately (1)-10 hour day.

4.2 Rock Dike Profile and Transects Survey - \$42,500

Includes all personnel, equipment, and supplies necessary to perform all field and office work associated this task. According to the Figure attached to the scope, MPH will record the position and elevation of the centerline profile and at 24 transects using GPS-RTK. Estimate includes mob/demob and the use of an airboat w/ operator for transportation. This estimate is based on utilizing (1)-three-man survey crew working approximately (12)-10 hour days. *Includes surveying transects up to 50' past the toe of the dike on the lake side and marsh side. Cost estimate does not include surveying to the vegetation line of the marsh side unless it is within 50' for the toe of the dike.*

4.3 Transects Survey up to Vegetation line on Marsh Side - \$10,600

Includes all personnel, equipment, and supplies necessary to perform all field and office work associated this task. According to the Figure attached to the scope, MPH will record the position and elevation of the 24 transects from 50' past the toe of the dike on the marsh side up to the vegetation line of the marsh using GPS-RTK. If it is deep enough, we will try to use single beam & Hypack hydro equipment. Estimate includes mob/demob and the use of an airboat w/ operator for transportation. This estimate is based on utilizing (1)-three-man survey crew working approximately (3)-additional 10 hour days.

4.4 Deliverables - \$16,000

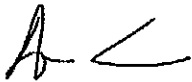
Includes all personnel, equipment, and supplies necessary to provide the deliverables as specified in 3.4 (a-f) above.

5.0 General Notes and Comments

- 5.1 All work will be performed on a Time and Material bases according to the current DNR/OCPR Consultant Rate Schedule for personnel rates and MPH's standard rate schedule for equipment and materials.
- 5.2 This proposal and cost estimate was prepared based on the scope of services for Surveying Services for BA-37 provided by DNR-CPRA. Any deviation to this scope shall be considered outside of our original scope of services and not a part of this cost estimate. A change order signed by an MPH representative and DNR-CPRA representative will be required prior to proceeding with any project activities not within our original scope of services.
- 5.3 MPH is requesting the coordinates of the PI's for the Final Staked Rock Alignment in order to be able to survey the profile and transects at the appropriate stations.

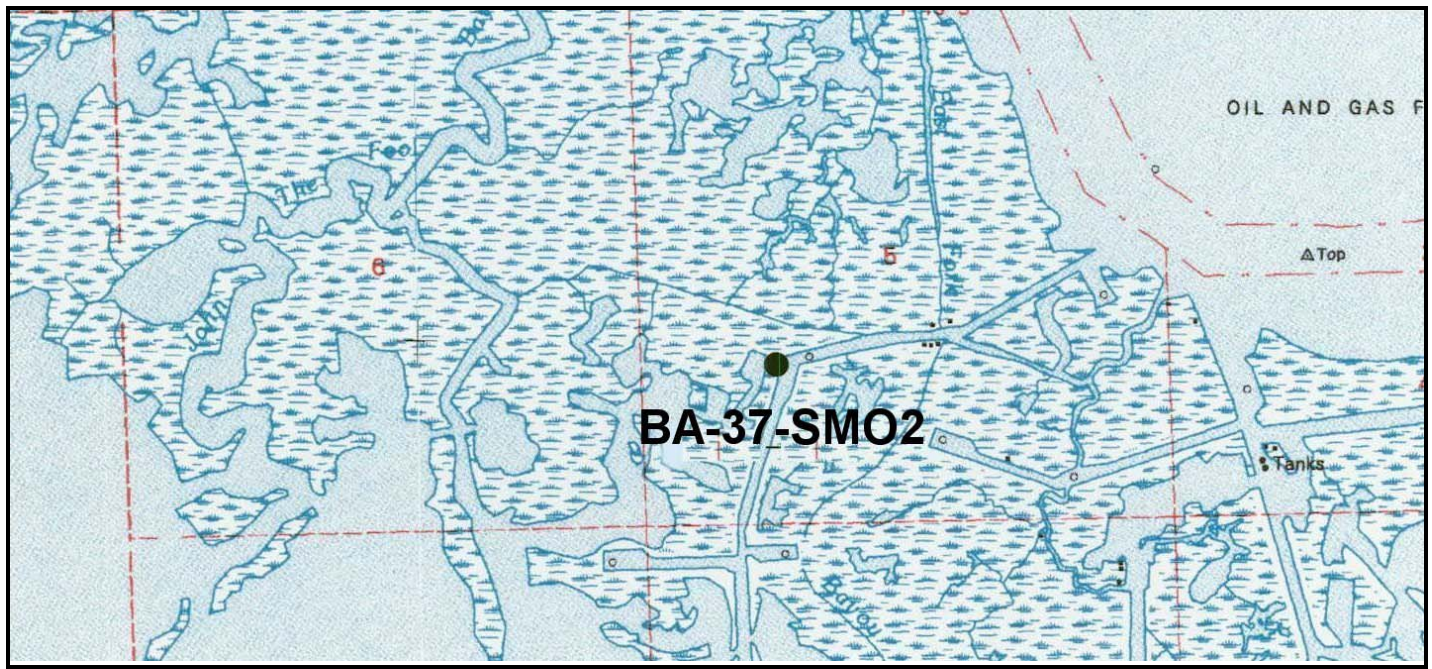
We appreciate the opportunity to submit this professional service proposal and cost estimate. Should you have any questions or require additional information please let us know.

Sincerely,
MORRIS P. HEBERT, INC.



Aric Gisclair, CST
Senior Project Manager

APPENDIX B
LCZ Secondary Monument Data Sheets



VICINITY MAP

Scale: 1" = 2000'

Reproduced from USC&GS "Golden Meadow Farms" Quadrangle

Station Name: "SM02"

Location: The monument stamped BA-37-SM02 is located just less than 2 miles south Plum Point which is located within Little Lake in Lafourche Parish, Louisiana. The monument is approximately 13.9 miles southwest of the intersection of Bayou Lafourche and the Gulf Intracoastal Waterway in Larose, Louisiana

Monument Description: NGS style floating sleeve monument; datum point set on 9/16" stainless steel sectional rods driven 104 feet to refusal, set in sand filled 6" PVC pipe with access cover set in concrete, flush with ground.

Stamping: BA-37-SM02

Installation Date: August 15, 2002 **Date of Survey:** August 16 and 17, 2002

Monument Established By: T. Baker Smith & Son, Inc

For: Louisiana Department of Natural Resources, CRD

Adjusted NAD 83 Geodetic Position

Lat. 29°27' 28.30362" N
 Long. 90°09' 18.99432" W

Adjusted NAD 83 Datum LSZ (1702) Feet

N= 350,270.145
 E= 3,655,746.234

Adjusted NAVD88 Height

Elevation = 3.384 feet (1.031 mtrs)

Geoid99 Height = -24.760 mtrs.

Ellipsoid Height = -23.729 mtrs.



APPENDIX C
Survey Report on Data CD

APPENDIX D
Surveyor's Certification



CERTIFICATION:

I hereby certify that the data, drawings and report referenced herein were prepared from a field survey conducted on the ground by me or under my direct supervision and control; and that the survey was performed as per CPRA specifications; and that the report, data and drawings accurately depict the results of said survey.

**Morris P. Hebert, Inc.
283 Corporate Drive
Houma, LA 70360**

**G. Alex Teague, P.L.S.
Louisiana Registration Number 4842**

*This document valid when either an original certification stamp or
an embossing seal is impressed over an original signature.*