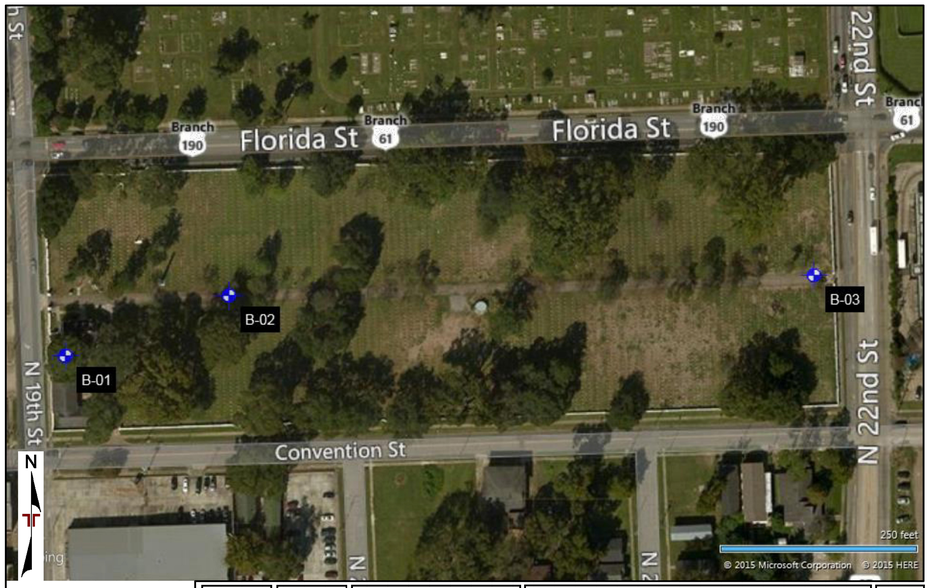

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	RSC
Drawn by:	JMV
Checked by:	RSC
Approved by:	RSC
Project No.	EH155138
Scale:	AS SHOWN
File Name:	A-2
Date:	8/31/2015

Terracon
2822 O'Neal Lane Bldg B
Baton Rouge, LA 70816

EXPLORATION PLAN

Baton Rouge National Cemetery
220 North 19th Street
Baton Rouge, LA

Exhibit A-2

BORING LOG NO. B-01

Page 1 of 1

PROJECT: Baton Rouge National Cemetery

CLIENT: FourFront Design, Inc. Rapid City, SD

SITE: 220 North 19th Street Baton Rouge, LA

LOCATION See Exhibit A-2
Latitude: 30.44917° Longitude: -91.16912°
Approximate Surface Elev: 54 (Ft.) +/-

DEPTH	ELEVATION (Ft.)	FIELD TEST RESULTS	TEST TYPE	COMPRESSIVE STRENGTH (ksf)	STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	LL-PL-PI
0.1	54+/- 1 to 1.5" ASPHALT							
0.6	53.5+/- 6" CONCRETE							
	LEAN CLAY WITH SILT (CL), gray and tan, stiff, with ferrous nodules, shells	1.00 (HP)				18	108	28-16-12
		1.50 (HP)	UC	1.68	10.3	24	98	
5		2.00 (HP)	UC	1.20	9.6	21	103	35-22-13
	medium stiff	0.75 (HP)						
		0.50 (HP)	UC	0.73	14.6	23	103	31-16-15
10								
		1.50 (HP)						
		1.75 (HP)						
15.0	39+/-							
	Boring Terminated at 15 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method: 0' - 0.6' drill bit; 0.6' - 15.0' short flight auger

Abandonment Method: Borings backfilled with soil cuttings upon completion. Sealed with bituminous cold patch at surface.

WATER LEVEL OBSERVATIONS: No free water observed

See Exhibit A-3 for description of field procedures. See Appendix B for description of laboratory procedures and additional data (if any). See Appendix C for explanation of symbols and abbreviations.

Notes:

Terracon, 2822 O'Neal Lane, Building B, Baton Rouge, Louisiana

Boring Started: 8/27/2015 | Boring Completed: 8/27/2015
Drill Rig: ATV | Driller: G. Triplette
Project No.: EH155138 | Exhibit: A-3

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG NO WELL EH155138 BR CEMETARY.GPJ TERRACONDT15.GDT 8/18/15

BORING LOG NO. B-02

Page 1 of 1

PROJECT: Baton Rouge National Cemetary

CLIENT: FourFront Design, Inc. Rapid City, SD

SITE: 220 North 19th Street Baton Rouge, LA

LOCATION See Exhibit A-2
Latitude: 30.44938° Longitude: -91.16846°
Approximate Surface Elev: 51 (Ft.) +/-

DEPTH	ELEVATION (Ft.)	FIELD TEST RESULTS	TEST TYPE	COMPRESSIVE STRENGTH (ksf)	STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	LL-PL-PI
0.1	51+/- 1 to 1.5" ASPHALT							
0.7	50.5+/- 7" CONCRETE							
	LEAN CLAY WITH SILT (CL), silty, brown, very stiff, with ferrous nodules	2.50 (HP)				18		
3.2	48.5+/- FAT CLAY (CH), tan, very stiff, with ferrous nodules	3.00 (HP)				25	98	50-21-29
4.7	46.5+/- LEAN CLAY WITH SILT (CL), tan to gray and tan, stiff, with ferrous nodules	2.50 (HP)	UC	1.77	6.3	23	99	
5		1.75 (HP)	UC	1.27	8.3	23	102	22-13-9
		2.00 (HP)						
10								
		1.00 (HP)	UC	1.02	14.4	23	87	30-22-8
		1.25 (HP)						
15.0	36+/-							
	Boring Terminated at 15 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method: 0' - 0.7' drill bit; 0.7' - 15.7' short flight auger

Abandonment Method: Borings backfilled with soil cuttings upon completion. Sealed with bituminous cold patch at surface.

WATER LEVEL OBSERVATIONS: No free water observed

See Exhibit A-3 for description of field procedures. See Appendix B for description of laboratory procedures and additional data (if any). See Appendix C for explanation of symbols and abbreviations.

Notes:

Terracon, 2822 O'Neal Lane, Building B, Baton Rouge, Louisiana

Boring Started: 8/27/2015 | Boring Completed: 8/27/2015
Drill Rig: ATV | Driller: G. Triplette
Project No.: EH155138 | Exhibit: A-4

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG NO WELL EH155138 BR CEMETARY.GPJ TERRACONDT15.GDT 8/18/15

BORING LOG NO. B-03

Page 1 of 1

PROJECT: Baton Rouge National Cemetary

CLIENT: FourFront Design, Inc. Rapid City, SD

SITE: 220 North 19th Street Baton Rouge, LA

LOCATION See Exhibit A-2
Latitude: 30.44945° Longitude: -91.1661°
Approximate Surface Elev: 46 (Ft.) +/-

DEPTH	ELEVATION (Ft.)	FIELD TEST RESULTS	TEST TYPE	COMPRESSIVE STRENGTH (ksf)	STRAIN (%)	WATER CONTENT (%)	DRY UNIT WEIGHT (pcf)	LL-PL-PI
0.1	46+/- 1 to 1.5" ASPHALT							
0.6	45.5+/- 6" CONCRETE							
	LEAN CLAY WITH SILT (CL), gray and tan, stiff, with ferrous nodules	1.00 (HP)				30		
		1.25 (HP)				26	95	40-22-18
5		1.00 (HP)	UC	1.25	8.5	23	103	
		1.00 (HP)	UC	1.42	12.7	22	104	33-24-9
		1.00 (HP)						
10								
11.6	34.5+/- FAT CLAY (CH), gray and tan, stiff to very stiff	1.50 (HP)	UC	2.79	15	18	108	60-16-44
13.6	32.5+/- SILTY CLAY (CL-ML), tan, soft	--						
15.0	31+/-							
	Boring Terminated at 15 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Advancement Method: 0' - 0.6' drill bit; 0.6' - 15.0' short flight auger

Abandonment Method: Borings backfilled with soil cuttings upon completion. Sealed with bituminous cold patch at surface.

WATER LEVEL OBSERVATIONS: No free water observed

See Exhibit A-3 for description of field procedures. See Appendix B for description of laboratory procedures and additional data (if any). See Appendix C for explanation of symbols and abbreviations.

Notes:

Terracon, 2822 O'Neal Lane, Building B, Baton Rouge, Louisiana

Boring Started: 8/27/2015 | Boring Completed: 8/27/2015
Drill Rig: ATV | Driller: G. Triplette
Project No.: EH155138 | Exhibit: A-5

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG NO WELL EH155138 BR CEMETARY.GPJ TERRACONDT15.GDT 8/18/15

BID DOCUMENTS

Revisions:	Date

CONSULTANTS:

Terracon, Consulting Engineers and Scientists, 2822 O'Neal Lane Bldg B, Baton Rouge, LA 70816, p (225) 344-6602, f (225) 344-6346

BATON ROUGE LAND SURVEYING, A Division of Forte & Tablada, 9107 INTERLINE AVE. BATON ROUGE, LA 70809 PH (225) 752-0336

CH2MHILL®, CH2M HILL, 6600 Peachtree Dunwoody Road, 400 Embassy Row, Suite 600, Atlanta, GA 30328, Office: (678) 401-7955

REGISTERED PROFESSIONAL ENGINEER, REG. NO. 12448, CASSANDRA L. ZWARY, 2/19/16

ARCHITECT/ENGINEERS:

FOURFRONT DESIGN INC., 517 7th street, rapid city sd 57701, p 605.342.9470, f 605.342.2377, www.4front.biz

Preliminary
Not For Construction

Drawing Title: SUBSURFACE INVESTIGATION - BORING LOGS

Approved: Project Director

Project Title: BATON ROUGE NC REPAIR ROADWAY

Location: BATON ROUGE NATIONAL CEMETERY, BATON ROUGE, LA

Date: 2/19/16 | Checked: CZ | Drawn: JM

Project Number: 829CM3016

Building Number: N/A

Drawing Number: B-103

Dwg. 4 of 9

NCA DESIGN AND CONSTRUCTION SERVICE

Department of Veterans Affairs

VA FORM 08-6231

C:\10-1696 VA NCA IDIQ\1696.037 Baton Rouge NC Repair Roads and Storm Drainage\Drawings\Eng\Sheet Files\829CM3016-B-103.dwg 2-17-16 01:18:57 PM jmolloy