

CHATHAM COUNTY PURCHASING DEPARTMENT
ADDENDUM NO. 1 TO BID 20-0029-7

FOR: Sharon Park Landfill Access Road Improvements

=====

PLEASE SEE THE FOLLOWING ADDITIONS, CLARIFICATIONS AND/OR CHANGES:

1. **QUESTION:** There is no line item for the Concrete Valley Gutter. How many linear feet will be necessary?
RESPONSE: The concrete valley gutter shall be 50 linear feet. See line item 13 on the enclosed revised Bid Schedule.
 2. **QUESTION:** Is the quantity correct for the concrete pavement, line item 7?
RESPONSE: The line item quantity has been revised to show 550 SY on the enclosed revised Bid Schedule. The County has requested concrete for the entire 30 feet x 160 feet area. The concrete has also been revised to a 5,000 psi concrete with rebar reinforcing. See the enclosed detail.
 3. **QUESTION:** What shall the length for the matted drainage swale be?
RESPONSE: The matted drainage swale shall be 60 linear feet. See line item 12 on the attached revised Bid Schedule.
 4. **QUESTION:** Will the pile of concrete/brick debris remain on site? Who is responsible for the removal?
RESPONSE: Chatham County will remove or relocate the pile of concrete/brick debris prior to construction of the project.
 5. **QUESTION:** Will the excess cut material from grading to be stockpiled adjacent to the project?
RESPONSE: Excess cut material may be temporarily stored onsite with the appropriate erosion control BMPs. The contractor must remove and properly dispose or reuse any excess cut material prior to the completion of the project and the submission of the Notice of Termination.
 6. **QUESTION:** The striping line item states 4" white striping and 18" stop bars. Is this correct or will GDOT standards be needed?
RESPONSE: GDOT standards should be followed. The revised items will be 5-inch white centerline striping and 24-inch white stop bars. See the enclosed revised Bid Schedule.
 7. **QUESTION:** There is no line item for centerline striping. Will centerline striping be needed?
RESPONSE: Yes, centerline striping is required. Line item 14a is intended for the centerline striping.
 8. **QUESTION:** Will any clearing be necessary to provide a 30' width of roadway and shoulder?
RESPONSE: No clearing is anticipated for this project.
 9. **QUESTION:** Will boring logs be provided?
RESPONSE: Yes, boring logs and a location map are enclosed.
 10. **QUESTION:** There is no line item for sampling or inspections. Where should the fee
-

for sampling and inspections be included?

RESPONSE: The sampling and inspections fee should be included in the NPDES monitoring line item 18j.

11. **QUESTION:** Could you define the limits of the Curlex 1 matting and add a bid item for it?

RESPONSE: Matting will extend from top bank to top bank across the width of the 4-foot-wide, 6-inches deep drainage swale conducting the curb and gutter storm water runoff to the existing drainage ditch.

12. **QUESTION:** Could a detail be provided for the container pad?

RESPONSE: The concrete container pad will now be 30 feet wide by 160 feet long. Refer to the revised concrete paving detail enclosed.

13. **QUESTION:** Could a detail be provided for the hog wire fence?

RESPONSE: Hog wire fence installed will match the existing fence. We estimate the existing hog wire fence is 4/5 gauge steel wire with four (4) or five (5) inch square openings.

14. **QUESTION:** Typical sections D&E are called out on sheet 3.0. Where are the corresponding typical sections located?

RESPONSE: Typical Sections D&E are called out on sheet 3.0 and provided on sheet 9.0 under detail 3.

15. **QUESTION:** What are the limits of the 18" curb and gutter?

RESPONSE: Refer to the roadway section details and stations for the limits of the 18-inch curb and gutter. The curb and gutter will continue on section E to the corner of the concrete pad (PT 3).

16. **QUESTION:** What are the limits of the 18" CPP culvert?

RESPONSE: The 18-inch CPP culvert will begin at the proposed grate inlet to replace the flared end section and end by connecting to the existing 18-inch CPP culvert. Approximately 40 linear feet is to be installed. See the profile on sheet 6.0.

17. **QUESTION:** Will both the Geotextile Fabric Mirafi 140N and the Geogrid Tensar TriAx TX 140 be used on this project?

RESPONSE: Tensar TX 140 only (or approved equal or alternate, see alternate items on the Bid Schedule) should be installed in accordance with the cross sections and stationing and manufacturer's recommendations.

18. **QUESTION:** Are the existing grades to be used as the new top of pavement grade?

RESPONSE: The existing grades should be used to build the new top of pavement grades with minor adjustments to improve storm water drainage. The base bid should include the installation of a minimum of 8-inches of Graded Aggregate Base over the existing or improved subgrade.

19. **QUESTION:** Will proposed grades be provided to determine where the cut areas are: Will a line item be added for removal of waste?

RESPONSE: The only anticipated cut areas are the expanded edges of the road, drainage swale and sediment trap. See Revised Bid Schedule items 18j and 24.

20. **QUESTION:** Note #2 on Sheet 3.0 is calling for excavating 24" below design grade, but the cross section shows going on top of "existing gravel road". Which should be used for estimating?

RESPONSE: The purpose of this note is to ensure that 24-inches of cover (soil, rock or asphalt) remains over the waste disposed. See the response to item 19 above.

21. **QUESTION:** What type of turf reinforcement matting is required?

RESPONSE: Tensar North American Green SC 250 TRM or approved equal (see Detail 1 and 5 on Sheet 9.0) unless otherwise noted (such as the drainage swale note indicating

- Curlex I or approved equal).
22. **QUESTION:** Is #57 stone bedding required for the CPP and RCP pipe installation? Detail 12 Sheet #9 for Ductile Iron Pipe.
RESPONSE: Yes, #57 stone is required for both.
23. **QUESTION:** Is there an average width of the existing roadway and drop off areas?
RESPONSE: Refer to the existing conditions.
24. **QUESTION:** Is the 24-inch cover over waste note a pre-bid requirement or a post-bid requirement?
RESPONSE: The 24-inch cover requirement is a post construction requirement.
25. **CHANGE:** **Replace Bid Schedule with Revised Bid Schedule. Bidders must use Revised Bid Schedule.**

THE BID OPENING REMAINS APRIL 30, 2020 AT 2:00 P.M.

BIDDER IS RESPONSIBLE FOR MAKING THE NECESSARY CHANGES.

April 23, 2020

DATE



MARGARET H. JOYNER
PURCHASING DIRECTOR
CHATHAM COUNTY



BID SCHEDULE-REVISED

CHATHAM COUNTY, GEORGIA

BID NO. 20-0029-7

SHARON PARK LANDFILL ACCESS ROAD IMPROVEMENTS PROJECT

ALL WORK SHALL BE IN ACCORDANCE WITH THE BIDDING AND CONTRACT DOCUMENTS FOR THE FOLLOWING PRICE:

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL COST
1.	Mobilization and Bonds	Lump Sum	_____	_____
2.	Construction Staking	Lump Sum	_____	_____
3.	Grading	Lump Sum	_____	_____
4.	Tensar Triaxial TX140 Geogrid	4250 SY	_____	_____
5.	Graded Aggregate Base	1275 CY	_____	_____
6.	Asphalt Pavement		_____	_____
a.	19 mm Superpave 2-inch Thick	625 TON	_____	_____
b.	9.5 mm Superpave 1 1/2 inch Thick	465 TON	_____	_____
7.	Concrete Pavement (5,000 psi,6 inch Thick)	550 SY	_____	_____
8.	18 inch Concrete Curb & Gutter	920 LF	_____	_____
9.	15 inch RCP Culvert	88 LF	_____	_____
10.	18 inch CPP Culvert	40 LF	_____	_____
11.	Grate Inlet with Hood, Precast Structure, and 6 inch minimum #57 Stone Base (Georgia DOT Standard 1010)	2 EA	_____	_____
12.	Matted Drainage Swale	60 LF	_____	_____
13.	DOT D-33 Concrete Valley Gutter	50 LF	_____	_____
14.	Pavement Striping		_____	_____
a.	5 inch White Thermoplastic Striping	1,000 LF	_____	_____
b.	24 inch White Thermoplastic Striping	24 LF	_____	_____
15.	Relocation of Signs	Lump Sum	_____	_____
16.	Well Protection Fences	3 EA	_____	_____
17.	Remove and Relocate Hogwire Fence	165 LF	_____	_____
18.	Erosion and Sediment Control		_____	_____
a.	Non-Sensitive Area Silt Fence	1000 LF	_____	_____
b.	Sensitive Area Silt Fence	2000 LF	_____	_____
c.	Hay Bale Check Dam	4 EA	_____	_____
d.	Diversion Berm, including Channel Protection	430 LF	_____	_____
e.	Construction Exit	Lump Sum	_____	_____
f.	Outlet Protection (9-inch Rip-Rap)	13 SY	_____	_____
g.	Inlet Protection	3 EA	_____	_____
h.	Rip Rap	30 SY	_____	_____
i.	Grassing	Lump Sum	_____	_____
j.	Sediment Trap	Lump Sum	_____	_____

k. NPDES Monitoring

3 Months

TOTAL BID:

ALTERNATE, IF REQUESTED BY THE COUNTY

19.	DEDUCT: Nyloplast Structure with 2ft x3ft H20 Rated with Low Hood and 8-inch Thick Concrete Collar (Extending 18 inches in all directions)	2 EA	()	()
20.	DEDUCT: Remove and Reuse Existing Gravel for Graded Aggregate Base	Lump Sum	()	()
21.	DEDUCT: GDOT Standard Crushed Concrete GAB (Section 815) in lieu of crushed stone GAB	1275 CY	()	()
22.	Mirafi RS580i Woven Geosynthetics or Approved Equal in lieu of Triaxial Geogrid	4250 SY		
23.	Tensar Triaxial TX5 Geogrid	4250 SY		
24.	Removal and Disposal of Waste	40 CY		

The project will be awarded based on the Total Bid amount. Chatham County reserves the right to select any or none of the Alternates.

ALL FIRMS REQUESTING TO DO BUSINESS WITH CHATHAM COUNTY MUST REGISTER ON-LINE AT [HTTP://PURCHASING.CHATHAMCOUNTY.ORG](http://PURCHASING.CHATHAMCOUNTY.ORG)

NAME/TITLE

COMPANY NAME

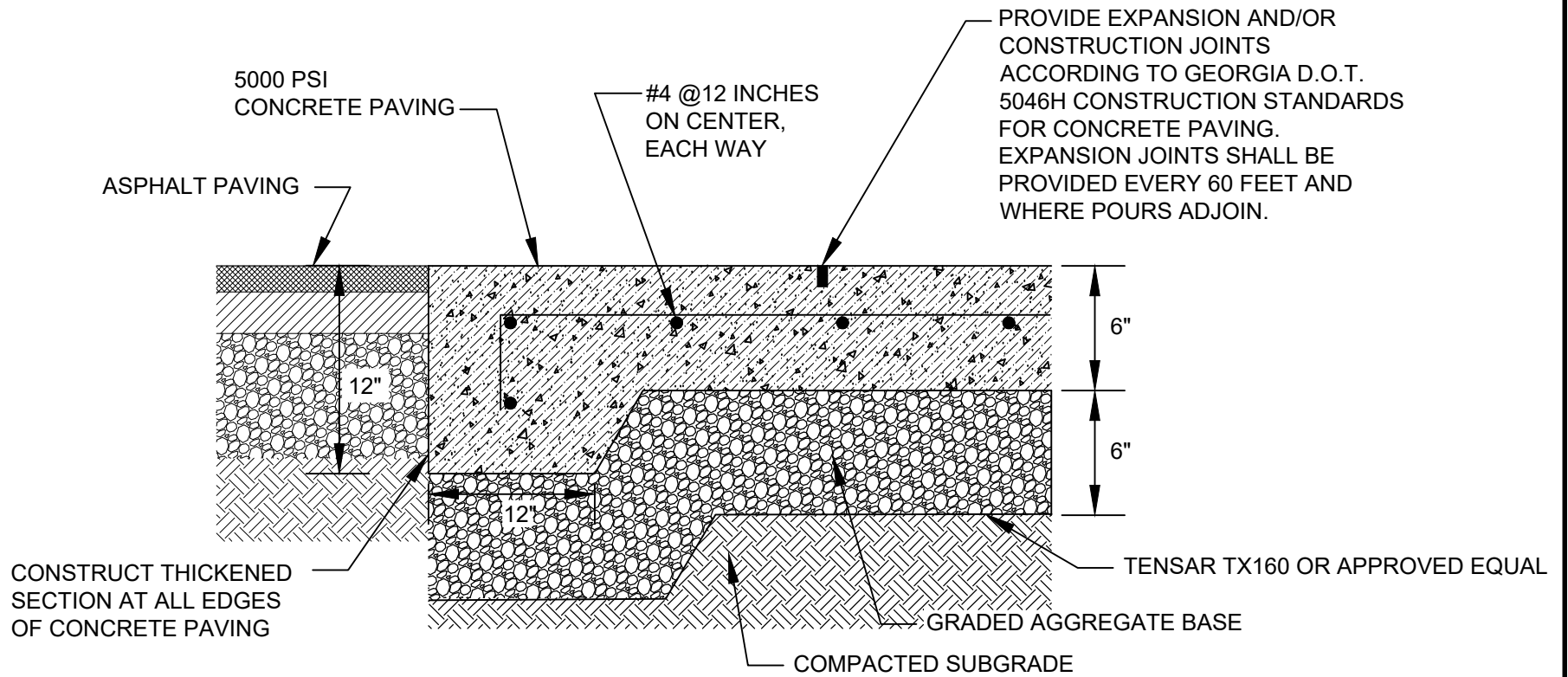
ADDRESS

CITY/STATE/ZIP

PHONE/FAX NUMBER

EMAIL

WEBSITE



CONCRETE PAVING DETAIL

NOT TO SCALE

FIGURE

1.0

1 OF 1

ACCESS ROAD IMPROVEMENTS

REVISED CONCRETE PAVING DETAIL

CHATHAM COUNTY BOARD OF COMMISSIONERS

SHARON PARK LANDFILL

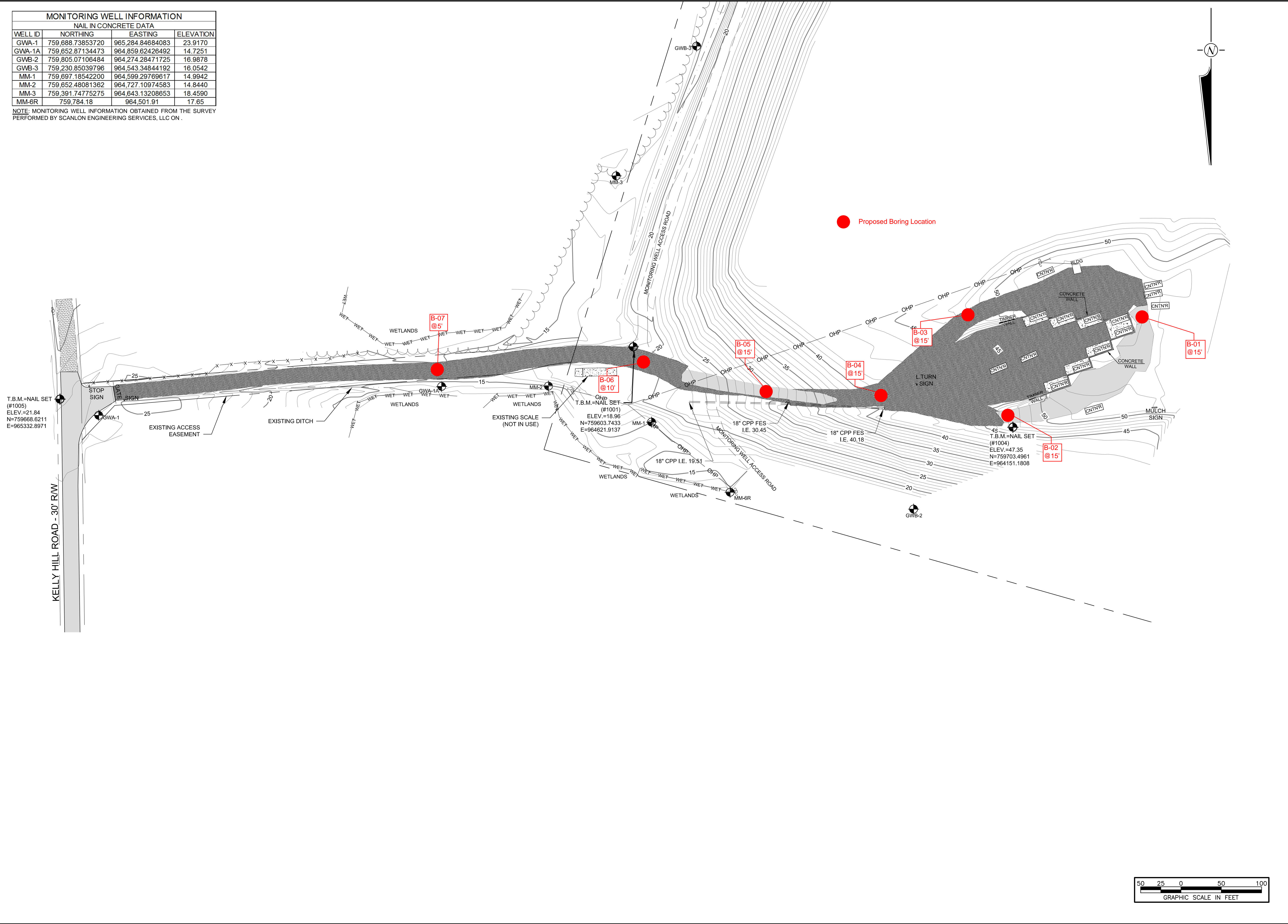
HARBIN ENGINEERING, P.C.
CIVIL & ENVIRONMENTAL CONSULTANTS



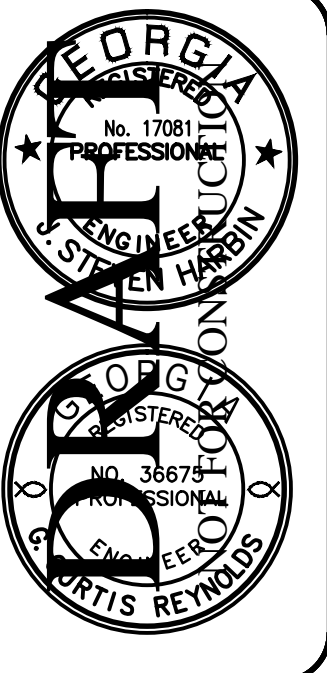
41 West Johnston Street
Forsyth, Georgia 31029
Phone (478) 992-9122

MONITORING WELL INFORMATION			
NAIL IN CONCRETE DATA			
WELL ID	NORTHING	EASTING	ELEVATION
GWA-1	759,688.73853720	965,284.84684083	23.9170
GWA-1A	759,652.87134473	964,859.62426492	14.7251
GWB-2	759,805.07106484	964,274.28471725	16.9878
GWB-3	759,230.85039796	964,543.34844192	16.0542
MM-1	759,697.18542200	964,599.29769617	14.9942
MM-2	759,652.48081362	964,727.10974583	14.8440
MM-3	759,391.74775275	964,643.13208653	18.4590
MM-6R	759,784.18	964,501.91	17.65

NOTE: MONITORING WELL INFORMATION OBTAINED FROM THE SURVEY PERFORMED BY SCANLON ENGINEERING SERVICES, LLC ON .



HARBIN ENGINEERING, P.C.
 1669 Old Atlanta Highway
 Peachtree, Georgia 30109
 Phone: (478) 992-9122
 Fax: (478) 994-4137



CHATHAM COUNTY BOARD
 OF COMMISSIONERS
 SHARON PARK LANDFILL
 PERMIT NO. 025-057D(L)

CLOSURE PLAN MODIFICATION:
 ACCESS ROAD
 EXISTING CONDITIONS

REVISION	DATE	INITIAL SUBMITTAL
0	XX-XX-XX	
1		
2		
3		
4		
5		
6		
7		

DRAWING: 1705-041_00-10 ACCESS ROAD.dwg
 SHEET PROJECT NO.: 1705-041-01



HARBIN ENGINEERING, P.C.
1660 Old Atlanta Highway
Forsyth, Georgia 31029

Project Name:
Sharon Park Landfill Improvements

Client:
Chatham County

Project No:
1705-041-01

Driller: **Whitiker Laboratory, Inc.**

Ground Surface Elevation: **N/A**

Date: **3/31/2014**

GW Elev: **No W.T.**

BORING B-1

Depth	Soil Description	SS ID	0" - 6"	6"-12"	12"-18"	N
0.0 - 0.5	9 inches of GRAVEL		10			
0.5 - 1.0	Stiff tan-brown fine sandy CLAY (CL)	SS-1		8		14
1.0 - 1.5					6	
1.5 - 2.0	Stiff dark brown fine sandy CLAY (CL)			8		
2.0 - 2.5		SS-2		10		20
2.5 - 3.0					10	
3.0 - 3.5						
3.5 - 4.0	Medium stiff brown silty CLAY (CL)					
4.0 - 4.5		SS-3	4			9
4.5 - 5.0				4		
5.0 - 5.5					5	
5.5 - 6.0						
6.0 - 6.5	Stiff tan-gray fine sandy CLAY (CL)					
6.5 - 7.0		SS-4	2			11
7.0 - 7.5				4		
7.5 - 8.0					7	
8.0 - 8.5						
8.5 - 9.0	Medium stiff tan silty CLAY (CL)					
9.0 - 9.5		SS-5	2			5
9.5 - 10.0				2		
10.0 - 10.5					3	
10.5 - 11.0						
11.0 - 11.5						
11.5 - 12.0						
12.0 - 12.5						
12.5 - 13.0						
13.0 - 13.5	Dense dark brown fine to medium silty SAND (SM) with					
13.5 - 14.0	waste					
14.0 - 14.5		SS-6	14			43
14.5 - 15.0				15		
15.0 - 15.5					28	

BORING TERMINATED AT 15.5 FEET



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Chatham County

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Driller: **Whitiker Laboratory, Inc.**

Ground Surface Elevation: **N/A**

Date: **3/31/2014**

GW Elev: **No W.T.**

BORING B-2

Depth	Soil Description	SS ID	0" - 6"	6"-12"	12"-18"	N
0.0 - 0.5	8 inches of GRAVEL		7			
0.5 - 1.0	Stiff tan-brown fine sandy CLAY (CL)	SS-1		7		14
1.0 - 1.5					7	
1.5 - 2.0	Stiff dark brown fine sandy SILT (ML)			5		
2.0 - 2.5		SS-2		6		12
2.5 - 3.0					6	
3.0 - 3.5						
3.5 - 4.0						
4.0 - 4.5		SS-3	5			11
4.5 - 5.0				6		
5.0 - 5.5					5	
5.5 - 6.0						
6.0 - 6.5	Stiff dark brown fine sandy CLAY (CL)					
6.5 - 7.0		SS-4	5			14
7.0 - 7.5				7		
7.5 - 8.0					7	
8.0 - 8.5						
8.5 - 9.0	Medium stiff tan-gray fine sandy CLAY (CL)					
9.0 - 9.5		SS-5	3			9
9.5 - 10.0				3		
10.0 - 10.5					6	
10.5 - 11.0						
11.0 - 11.5						
11.5 - 12.0						
12.0 - 12.5						
12.5 - 13.0						
13.0 - 13.5	Medium dark brown fine to medium silty SAND (SM)					
13.5 - 14.0	with waste					
14.0 - 14.5		SS-6	7			25
14.5 - 15.0				10		
15.0 - 15.5					15	

BORING TERMINATED AT 15.5 FEET



HARBIN ENGINEERING, P.C.
1660 Old Atlanta Highway
Forsyth, Georgia 31029

Project Name:
Sharon Park Landfill Improvements

Client:
Chatham County

Project No:
1705-041-01

Driller: **Whitiker Laboratory, Inc.**

Ground Surface Elevation: **N/A**

Date: **3/31/2014**

GW Elev: **No W.T.**

BORING B-3

Depth	Soil Description	SS ID	0" - 6"	6"-12"	12"-18"	N
0.0 - 0.5	4 inches of GRAVEL		5			
0.5 - 1.0	Stiff brown-orange fine sandy CLAY (CL)	SS-1		5		12
1.0 - 1.5					7	
1.5 - 2.0	Stiff brown-gray fine sandy CLAY (CL)			6		
2.0 - 2.5		SS-2		8		20
2.5 - 3.0					12	
3.0 - 3.5						
3.5 - 4.0	Medium-stiff tan-brown silty CLAY (CL)					
4.0 - 4.5		SS-3	3			9
4.5 - 5.0				3		
5.0 - 5.5					6	
5.5 - 6.0						
6.0 - 6.5	Stiff orange-red fine sandy CLAY (CL)					
6.5 - 7.0		SS-4	6			20
7.0 - 7.5				8		
7.5 - 8.0					12	
8.0 - 8.5						
8.5 - 9.0	Medium tan fine to coarse silty SAND (SM)					
9.0 - 9.5		SS-5	7			15
9.5 - 10.0				8		
10.0 - 10.5					7	
10.5 - 11.0						
11.0 - 11.5						
11.5 - 12.0						
12.0 - 12.5						
12.5 - 13.0						
13.0 - 13.5	Dense dark-brown fine to medium silty SAND (SM) with					
13.5 - 14.0	waste					
14.0 - 14.5		SS-6	7			30
14.5 - 15.0				9		
15.0 - 15.5					21	

BORING TERMINATED AT 15.5 FEET



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1660 Old Atlanta Highway
Forsyth, Georgia 31029

Project Name:
Sharon Park Landfill Improvements

Client:
Chatham County

Project No:
1705-041-01

Driller: **Whitiker Laboratory, Inc.**

Ground Surface Elevation: **N/A**

Date: **3/31/2014**

GW Elev: **No W.T.**

BORING B-4

Depth	Soil Description	SS ID	0" - 6"	6"-12"	12"-18"	N
0.0 - 0.5	4.5 inches of GRAVEL		10			
0.5 - 1.0	Hard brown fine sandy SILT (ML)	SS-1		15		35
1.0 - 1.5					20	
1.5 - 2.0		SS-2	15			35
2.0 - 2.5				20		
2.5 - 3.0					15	
3.0 - 3.5						
3.5 - 4.0	Medium dark brown fine to medium silty SAND (SM) with waste	SS-3	15			27
4.0 - 4.5				17		
4.5 - 5.0					10	
5.0 - 5.5		SS-4				41
5.5 - 6.0						
6.0 - 6.5			10			
6.5 - 7.0			18			
7.0 - 7.5				23		
7.5 - 8.0						
8.0 - 8.5	SS-5				40	
8.5 - 9.0		9				
9.0 - 9.5			20			
9.5 - 10.0				20		
10.0 - 10.5						
10.5 - 11.0						
11.0 - 11.5	Medium dark brown fine to medium silty SAND (SM) with waste	SS-6				27
11.5 - 12.0				11		
12.0 - 12.5					16	
12.5 - 13.0						
13.0 - 13.5						
13.5 - 14.0						
14.0 - 14.5						
14.5 - 15.0						
15.0 - 15.5						

BORING TERMINATED AT 15.5 FEET



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Forsyth, Georgia 31029

Project Name:
Sharon Park Landfill Improvements

Client:
Chatham County

Project No:
1705-041-01

Driller: **Whitiker Laboratory, Inc.**

Ground Surface Elevation: **N/A**

Date: **3/31/2014**

GW Elev: **No W.T.**

BORING B-5

Depth	Soil Description	SS ID	0" - 6"	6"-12"	12"-18"	N	
0.0 - 0.5	2 inches of ASPHALT PAVEMENT , 5 inches of GRAVEL		15				
0.5 - 1.0	Very dense dark brown fine to medium silty SAND (SM) with trace waste	SS-1		25		57	
1.0 - 1.5					32		
1.5 - 2.0	Dense to very dense dark brown fine to medium silty SAND (SM) with waste	SS-2	10			44	
2.0 - 2.5				20			
2.5 - 3.0					24		
3.0 - 3.5							
3.5 - 4.0							
4.0 - 4.5				8			
4.5 - 5.0			SS-3		15		40
5.0 - 5.5						25	
5.5 - 6.0							
6.0 - 6.5							
6.5 - 7.0		SS-4	15			56	
7.0 - 7.5				23			
7.5 - 8.0					33		
8.0 - 8.5							
8.5 - 9.0							
9.0 - 9.5		SS-5	50			100	
9.5 - 10.0				50			
10.0 - 10.5					50		
10.5 - 11.0							
11.0 - 11.5							
11.5 - 12.0							
12.0 - 12.5	Medium stiff tan-gray fine sandy CLAY (CL)						
12.5 - 13.0							
13.0 - 13.5							
13.5 - 14.0							
14.0 - 14.5			SS-6	4			8
14.5 - 15.0					4		
15.0 - 15.5						4	

BORING TERMINATED AT 15.5 FEET



HARBIN ENGINEERING, P.C.
1660 Old Atlanta Highway
Forsyth, Georgia 31029

Project Name:
Sharon Park Landfill Improvements

Client:
Chatham County

Project No:
1705-041-01

Driller: **Whitiker Laboratory, Inc.**

Ground Surface Elevation: **N/A**

Date: **3/31/2014**

GW Elev: **No W.T.**

BORING B-6

Depth	Soil Description	SS ID	0" - 6"	6"-12"	12"-18"	N	
0.0 - 0.5	2 inches of ASPHALT PAVEMENT , 7 inches of GRAVEL		15				
0.5 - 1.0	Dense dark brown fine to medium silty SAND (SM) with trace waste	SS-1		15		38	
1.0 - 1.5					23		
1.5 - 2.0				10			
2.0 - 2.5	Medium dark brown fine to medium silty SAND (SM) with waste	SS-2		13		28	
2.5 - 3.0					15		
3.0 - 3.5							
3.5 - 4.0							
4.0 - 4.5	Very loose dark brown fine to medium silty SAND (SM) with waste	SS-3	1			3	
4.5 - 5.0				2			
5.0 - 5.5					1		
5.5 - 6.0							
6.0 - 6.5							
6.5 - 7.0	Medium gray fine to medium clayey SAND (SC)	SS-4	5			13	
7.0 - 7.5				5			
7.5 - 8.0					8		
8.0 - 8.5							
8.5 - 9.0	Stiff tan-gray fine to medium sandy CLAY (CL)	SS-5				15	
9.0 - 9.5			5				
9.5 - 10.0				7			
10.0 - 10.5					8		

BORING TERMINATED AT 10.5 FEET



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 1660 Old Atlanta Highway
 Forsyth, Georgia 31029

Project Name:
Sharon Park Landfill Improvements

Client:
Chatham County

Project No:
1705-041-01

Driller: **Whitiker Laboratory, Inc.**

Date: **3/31/2014**

Ground Surface Elevation: **N/A**

GW Elev: **No W.T.**

BORING B-7

Depth	Soil Description	SS ID	0" - 6"	6"-12"	12"-18"	N
0.0 - 0.5	8.0 inches of GRAVEL					
0.5 - 1.0	fine to medium red-brown silty SAND (SM)	SS-1				0
1.0 - 1.5						
1.5 - 2.0						
2.0 - 2.5	fine to medium brown silty SAND (SM)	SS-2				0
2.5 - 3.0						
3.0 - 3.5						
3.5 - 4.0	fine to medium tan-brown silty SAND (SM)	SS-3				0
4.0 - 4.5						
4.5 - 5.0						
5.0 - 5.5						

BORING TERMINATED AT 5.5 FEET

WHITAKER LABORATORY INC.

P.O. BOX 7078

SAVANNAH, GEORGIA 31418

PROJECT NAME Balines Fall Sharon Park Landfill DATE 3/31/14

PROJECT LOCATION Kenny Hill Rd

BORING NUMBER B1 - B2 FIELD ENGINEER Ron W. St. S.

GROUND SURFACE ELEV. _____ GROUND WATER ELEV. NO WT

SAMPLE NO.	SAMPLE		STRATUM		VISUAL FIELD CLASSIFICATION	BLOWS/ FOOT
	FROM	TO	FROM	TO		
B-1			0	9in	9in Rocks	
1	0-15		9in	3-5	Brown sand clay	10 8-6
2	1-5				1" "	8 10 10
3	4-5		3-5	6	Brown clay	4 4 5
4	6-8		6	13	gray clay	2 4 7
5	9-10.5				1" "	2 2 3
6	14-15.5		13	15.5	Brown clay w/ orange	14 15 28
B-2					8in Rocks	(NO WT)
1	0-15		0	1ft	Brown sand clay w/ Rubbish	7 7 7
2	1-5		1ft	6	Brown clay	5 6 6
3	4-5				1" "	5 6 5
4	6-8		6	8.5	Brown sand clay w/ Rubbish	5 7 7
5	9-12		8	13	gray clay	3 3 6
6	14-15.5		13	15.5	Fine brown sand w/ wood	7 10 15

WHITAKER LABORATORY INC.

P.O. BOX 7078

SAVANNAH, GEORGIA 31418

PROJECT NAME Balins For Sharon Park Landfill DATE 3-31-14

PROJECT LOCATION Gordon City

BORING NUMBER B3-134 FIELD ENGINEER Ron Walker

GROUND SURFACE ELEV. _____ GROUND WATER ELEV. NO WT

SAMPLE NO.	SAMPLE FROM	SAMPLE TO	STRATUM FROM	STRATUM TO	VISUAL FIELD CLASSIFICATION	BLOWS/FOOT
B3					4in Rocks	
1	0	1.5	4in	1.5	Brown orange sand clay	5.57
2	1.5	3	1.5	3.5	Brown sand clay	6.812
3	3	4.5	3.5	6	gray clay	3.36
4	4.5	6	6	8.5	orange clay	6.812
5	6	9	8.5	13	Fine Tan Sand	7.8.7
6	9	15.5	13	15.5	Fine brown silt/sandy trash	7.921
B4					4 1/2 in Rocks	(NO WT)
1	0	1.5	4 1/2	1.5	Brown sand clay	10.1520
2	1.5	3	1.5	3.5	Fine brown sand	15.2015
3	3	4.5	3.5	6.5	Fine brown sand/sandy trash	15.17.10
4	4.5	6			1" (1)	10.18.23
5	6	9	6.5	13	gray clay/trash	9.20.20
6	9	15.5	13	15.5	Fine brown sand/trash	

WHITAKER LABORATORY INC.

P.O. BOX 7078

SAVANNAH, GEORGIA 31418

PROJECT NAME Boring For Sharon Park Landfills DATE 3-27-14

PROJECT LOCATION Garden City Ga

BORING NUMBER B.S. - B6 FIELD ENGINEER Ron Wilkerson

GROUND SURFACE ELEV. _____ GROUND WATER ELEV. No WT

SAMPLE NO.	SAMPLE FROM	SAMPLE TO	STRATUM FROM	STRATUM TO	VISUAL FIELD CLASSIFICATION	BLOWS/ FOOT
B.S					2in ASPH Tin Rocks	
1	0	1.5	7in	12	Fine brown sand w/ trash	152532
2	1.5	3			1" 11	102624
3	4.5	5			1" 11	81525
4	6	5.8			1" 11	152333
5	9	10.5			1" 11	501--
6	14	15.5	12	15.5	gray clay w/ sand	44.4
B6					2in ASPH Tin Rocks	(w/ 8.5)
1	0	1.5	9in	6ft	Fine brown sand w/ trash	151573
2	1.5	3			1" 11	101315
3	4.5	5			1" 11	121
4	6.5	8	6ft	5.5	Fine Tan sand	5-5.8
5	9	10.5	8.5	10.5	gray clay	5.78
B7					8in Rocks	No WT
			8in	2.5	Fine brown sand w/ Bricks	
			2	3.5	Fine brown sand	
			3.5	5	Fine Tan sand	