Hole No. B-11

DRILLING LOG	DIVISION SOUTH ATLANTIC	INSTALLATION FORT BRAGG, NC	SHEET 1 OF 2 SHEETS
1. PROJECT NEW ELEM SCHOOL/Jr HS ADDITION L.I. 033802. FY-06		10. SIZE AND TYPE OF BIT 2.25" I.D. HSA	
2. LOCATION N506545 E1999278 NAD83 STATE PLANE		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL	
3. DRILLING AGENCY FROEHLING & ROBERTSON, INC.		12. MANUFACTURER'S DESIGNATION OF DRILL CME 550 ATV	
4. HOLE NO. (As shown on drawing title and file number) B-11		13. TOTAL NUMBER OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 6; UNDISTURBED 0	
5. NAME OF DRILLER J. GILCHRIST		14. TOTAL NUMBER OF CORE BOXES N/A	
6. DIRECTION OF HOLE ☒VERTICAL ☐INCLINED ____ DEGREES FROM VERTICAL		15. ELEVATION GROUNDWATER SEE REMARKS	
		16. DATE HOLE: STARTED 9 FEB 06; COMPLETED 9 FEB 06	
7. THICKNESS OF OVERBURDEN > 15.0'		17. ELEVATION TOP OF HOLE 328.5' (EST. FROM PLAN)	
8. DEPTH DRILLED INTO ROCK 0.0		18. TOTAL CORE RECOVERY FOR BORING N/A %	
9. TOTAL DEPTH OF HOLE 15.0'		19. SIGNATURE OF INSPECTOR	

ELEVATION (FEET) a	DEPTH (FEET) b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	RECOVERY In e	JAR OR SAMPLE NO. f	REMARKS (Drilling time, water loss, etc.) BLOWS/6 In g	"N" VALUE
	1		POSSIBLE EARTH FILL: LOOSE, MOIST, REDDISH TAN, SLIGHTLY CLAYEY, SILTY SAND (SM), WITH A PIECE OF RUSTED METAL		1	3/5/3	8
	2		MEDIUM DENSE TO LOOSE, MOIST, ORANGISH TAN, SLIGHTLY CLAYEY, SILTY SAND (SM)		2	5/5/6	11
	3				3	4/4/4	8
	4				4	3/2/3	5
	5				5	3/2/4	6
	6						
	7						
	8						
	9						
	10						
	11						
	12		LOOSE, WET, GRAY, SILTY CLAYEY SAND (SC)				
	13						

DRILLING LOG (Cont Sheet) — ELEVATION TOP OF HOLE 328.5' — Hole No. B-11

PROJECT NEW ELEM SCHOOL/Jr HS ADDITION L.I. 033802. FY-06 — INSTALLATION FORT BRAGG, NC — SHEET 2 OF 2 SHEETS

ELEVATION (feet) a	DEPTH (feet) b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% RECOVERY e	JAR OR SAMPLE NO. f	REMARKS (Drilling time, water loss, etc.) BLOWS/6 INCHES g	"N" VALUE
			LOOSE, WET, GRAY, SILTY CLAYEY SAND (SC)		6	3/3/4	7
	15		BORING TERMINATED AT 15.0 FEET				

NO GROUNDWATER ENCOUNTERED I.A.D., BORING CAVED-IN AT 12.0' UPON AUGER REMOVAL. 24-HOUR READING DRY.

NOTE: BLOWS ARE SHOWN 1 FT. BELOW TOP OF DRIVE.

Hole No. HA-14

DRILLING LOG	DIVISION SOUTH ATLANTIC	INSTALLATION FORT BRAGG, NC	SHEET 1 OF 2 SHEETS
1. PROJECT ELEM/JR. HIGH SCHOOL ADDITION L.I. 033802. FY-06		10. SIZE AND TYPE OF BIT 3-INCH HAND AUGER	
2. LOCATION N506538 E1999214 NC STATE PLANE		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL	
3. DRILLING AGENCY SAVANNAH DISTRICT		12. MANUFACTURER'S DESIGNATION OF DRILL	
4. HOLE NO. (As shown on drawing title and file number) HA-14		13. TOTAL NUMBER OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 3; UNDISTURBED 0	
5. NAME OF DRILLER G. CLARK		14. TOTAL NUMBER OF CORE BOXES N/A	
6. DIRECTION OF HOLE ☒VERTICAL ☐INCLINED ____ DEGREES FROM VERTICAL		15. ELEVATION GROUNDWATER SEE REMARKS	
		16. DATE HOLE: STARTED 9 FEB 04; COMPLETED 9 FEB 06	
7. THICKNESS OF OVERBURDEN > 9.2'		17. ELEVATION TOP OF HOLE 330.7' (EST. FROM PLAN)	
8. DEPTH DRILLED INTO ROCK 0.0		18. TOTAL CORE RECOVERY FOR BORING N/A %	
9. TOTAL DEPTH OF HOLE 9.2'		19. SIGNATURE OF INSPECTOR GRANT W. CLARK, P.E.	

ELEVATION (FEET) a	DEPTH (FEET) b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	RECOVERY In e	JAR OR SAMPLE NO. f	REMARKS (Drilling time, water loss, etc.) DCPT BLOWS/1.75 INCH	
	1		SILTY SAND(SM) TOPSOIL, DARK BROWN, FINE, MOIST				
			BROWN, FINE TO MED., MOIST				
			TAN, FINE, MOIST, TRACE OF FAT CLAY NODULES, MAX. DIA. 1", TRACE PEA GRAVEL, MAX. DIA 1"				
	2		CLAYEY SAND(SC)ORANGE,FINE TO MED.		1		>30
			SILTY SAND(SM) ORANGE, MOIST, FINE TO MED.				
	3		CLAYEY SAND(SC) ORANGE MOTTLED W/ GRAY, FINE TO MED., MOIST			LIKELY MANMADE FILL TO 4' IN DEPTH	>30
	4		SILTY SAND(SM)TAN, FINE TO MED., LITTLE COARSE, MOIST				
	5		ORANGE, FINE, VERY SILTY, TRACE OF CLAY				32
	6						
	7		SILT(ML) LITTLE FINE SAND, ORANGE, MOIST		2		17
	8		SILTY SAND(SM) ORANGE, MOIST, MEDIUM, VERY SANDY				
	9				3	NO GROUND WATER ENCOUNTERED DURING DRILLING. HOLE BACK FILLED IMMEDIATELY FOR SAFETY.	18
	10		BORING TERMINATED AT 9.2 FEET.				

Hole No. B-13

DRILLING LOG	DIVISION SOUTH ATLANTIC	INSTALLATION FORT BRAGG, NC	SHEET 1 OF 2 SHEETS
1. PROJECT NEW ELEM SCHOOL/Jr HS ADDITION L.I. 033802. FY-06		10. SIZE AND TYPE OF BIT 2.25" I.D. HSA	
2. LOCATION N1999226 E505434 NAD83 NC STATE PLANE		11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MSL	
3. DRILLING AGENCY FROEHLING & ROBERTSON, INC.		12. MANUFACTURER'S DESIGNATION OF DRILL CME 550 ATV	
4. HOLE NO. (As shown on drawing title and file number) B-13		13. TOTAL NUMBER OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 6; UNDISTURBED 0	
5. NAME OF DRILLER J. GILCHRIST		14. TOTAL NUMBER OF CORE BOXES N/A	
6. DIRECTION OF HOLE ☒VERTICAL ☐INCLINED ____ DEGREES FROM VERTICAL		15. ELEVATION GROUNDWATER SEE REMARKS	
		16. DATE HOLE: STARTED 9 FEB 06; COMPLETED 9 FEB 06	
7. THICKNESS OF OVERBURDEN > 15.0'		17. ELEVATION TOP OF HOLE 330.5' (EST. FROM PLAN)	
8. DEPTH DRILLED INTO ROCK 0.0		18. TOTAL CORE RECOVERY FOR BORING N/A %	
9. TOTAL DEPTH OF HOLE 15.0'		19. SIGNATURE OF INSPECTOR	

ELEVATION (FEET) a	DEPTH (FEET) b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	RECOVERY In e	JAR OR SAMPLE NO. f	REMARKS (Drilling time, water loss, etc.) BLOWS/6 In g	"N" VALUE
			ORGANIC LADEN SOILS: BLACK, SILTY SAND				
	1		MEDIUM DENSE, MOIST, REDDISH BROWN, SLIGHTLY CLAYEY, SILTY SAND (SM)		1	5/6/8	14
	2		MEDIUM DENSE, WET, TAN, SLIGHTLY SILTY SAND (SM/SW)				
	3				2	9/10/9	19
	4		MEDIUM DENSE, MOIST, ORANGISH BROWN, SILTY CLAYEY SAND (SC)				
	5				3	5/5/6	11
	6						
	7		STIFF TO VERY STIFF, MOIST, GRAY TO GRAY & MAROON, SILTY CLAY (CL/CH)		4	6/5/7	12
	8						
	9						
	10				5	5/7/9	16
	11						
	12		MEDIUM DENSE, WET, GRAY & MAROON, CLAYEY SILTY SAND (SM/SC)				
	13						

DRILLING LOG (Cont Sheet) — ELEVATION TOP OF HOLE 330.5' — Hole No. B-13

PROJECT NEW ELEM SCHOOL/Jr HS ADDITION L.I. 033802. FY-06 — INSTALLATION FORT BRAGG, NC — SHEET 2 OF 2 SHEETS

ELEVATION (feet) a	DEPTH (feet) b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% RECOVERY e	JAR OR SAMPLE NO. f	REMARKS (Drilling time, water loss, etc.) BLOWS/6 INCHES g	"N" VALUE
			MEDIUM DENSE, WET, GRAY & MAROON, CLAYEY SILTY SAND (SM/SC)		6	3/4/8	12
	15		BORING TERMINATED AT 15.0 FEET				

NO GROUNDWATER ENCOUNTERED I.A.D., BORING CAVED-IN AT 11.5' UPON AUGER REMOVAL. 24-HOUR READING DRY.

NOTE: BLOWS ARE SHOWN 1 FT. BELOW TOP OF DRIVE.

NOTE:

SOIL BORING INFORMATION PROVIDED BY USACE.

US ARMY CORPS OF ENGINEERS SAVANNAH

SYMBOL	DESCRIPTION	DATE	BY

DATE: 25 JAN 2010
SOLICITATION NO.: W912HN-09-R-0018
CONTRACT NO.:
CATEGORY CODE: 730-46-01
PLOT DATE:
PLOT SCALE:
SIZE: 34x22
DESIGNED BY: JDG
DWN BY: JDG
CKD BY: LKB
SUBMITTED BY: LKB
FILE NAME:

U. S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS SAVANNAH DISTRICT

LS3P ASSOCIATES LTD. 205 J KING STREET CHARLESTON, SC, 29401

ALBRITTON JUNIOR HIGH SCHOOL ADDITION FT BRAGG NORTH CAROLINA

BORING LOGS

PLATE REFERENCE NUMBER C-310 SHEET 14