BM#8 EL. 1.793
RR SPIKE OVER PIPE -Y10-
128.241m RT. -L- STA. 208+10.131

Soil Sample Test Results

SAMPLE NO.	STATION	OFFSET	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT G'SAND	% BY WEIGHT F.SAND	% BY WEIGHT SILT	% BY WEIGHT CLAY	% PASSING (SIEVE) 2.0 mm	% PASSING (SIEVE) 425 µm	% PASSING (SIEVE) 75 µm	% MOISTURE	% ORGANIC
S-22	211+80	6.7M RT	0.30-1.90	A-4(0)	26	7	6.8	56.8	31.5	9.3	99	98	91		
SS-48	213+00	7M RT	0.30-0.45	A-2-4(0)	34	6	8.1	63.8	22.7	6.1	96	93	83		
SS-49	213+00	7M RT	0.76-1.27	A-4(0)	34	5	2.8	61.7	28.5	6.2	99	97	92		

Ⓐ ROADWAY EMBANKMENT MEDIUM DENSE TAN TO BROWN SILTY FINE SAND MOIST

GREENHORNE & O'MARA, INC.
5565 CENTERVIEW DRIVE, SUITE 101
RALEIGH, NORTH CAROLINA 27606
(919) 851-1919

METRIC

PROJECT REFERENCE NO.	SHEET NO.
R-2539C	37

ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

CONST.REV.
R /W REV.

VPT //PC 210+60.000 EL 3.539
VPT //PC 211+72.500 EL 3.501
VPT //PC 212+56.000 EL 3.640
VPT //PC 213+60.000 EL 3.896
VPC 212+05.000 EL 3.424

S-22
SS-47
SS-48

4.7m RT (+)0.3000% Ⓐ 4.7m LT (-)0.4050% 7/02 8/02
(-)0.4090% (-)0.3650% 6.7m RT (+)0.3650% PROP GRADE LINE (-)0.3650% 6.5m LT (-)0.3000%
(-)0.3000% (-)0.4750% 7m RT 6.5m LT (-)0.3000% 6.2m RT (-)0.3760%

LOOSE TAN-BROWN SILTY FINE SAND DRY MOIST TO SATURATED (PLEISTOCENE)
PI = 210+90.000 EL = 3.629 L = 55.000 K = 78 DS = 110* KM/H
PI = 211+45.000 EL = 3.404 L = 55.000 K = 71 DS = 120* KM/H
VERY SOFT TO SOFT BROWN TO GRAY SILT MOIST TO WET (PLEISTOCENE)
PI = 212+30.000 EL = 3.715 L = 50.000 K = 75 DS = 110* KM/H
GRAY FINE SANDY SILT MOIST TO WET (PLEISTOCENE)
PI = 212+80.000 EL = 3.565 L = 50.000 K = 65 DS = 120* KM/H
EXIST GROUND LINE
LOOSE BROWN TO GRAY SILTY FINE SAND MOIST TO SATURATED (PLEISTOCENE)
PI = 213+55.000 EL = 3.922 L = 50.000 K = 65 DS = 100* KM/H
PI = 214+05.000 EL = 3.771 L = 50.000 K = 74 DS = 120* KM/H

SEE SHEET NO. 20 FOR -L- PLAN.

210+60 211+00 212+00 213+00 214+00 214+20

Soil Sample Test Results

SAMPLE NO.	STATION	OFFSET	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT G'SAND	% BY WEIGHT F.SAND	% BY WEIGHT SILT	% BY WEIGHT CLAY	% PASSING (SIEVE) 2.0 mm	% PASSING (SIEVE) 425 µm	% PASSING (SIEVE) 75 µm	% MOISTURE	% ORGANIC
S-23	214+80	6.2M RT	0.30-1.90	A-2-4(0)	22	6	3.3	65.4	12.3	9.3	100	99	95		
SS-49	216+00	6.5M LT	0.30-0.45	A-2-4(0)	20	NP	5.8	71.2	8.9	4.1	100	98	28		
SS-50	216+00	6.5M LT	0.76-1.23	A-4(0)	24	2	4.3	74.2	13.3	8.2	100	99	85		
SS-51	216+00	6.5M LT	1.82-2.14	A-4(0)	22	6	1	59.6	15.3	24.1	100	100	85		
SS-52	216+00	6.5M LT	2.14-2.70	A-2-4(0)	0	NP	5.4	81.7	4.8	8	100	99	64		
S-24	217+80	5.8M LT	0.30-1.90	A-2-4(0)	22	2	3.2	68.1	13.5	7.2	100	100	95		

BM#9 EL 3.786
RR SPIKE BST PARKING LOT
41.237m RT. L STA. 216+54.467

Ⓐ ROADWAY EMBANKMENT LOOSE TAN TO BROWN SILTY FINE SAND MOIST
Ⓒ VERY SOFT BROWN TO GRAY SANDY SILT MOIST TO WET (PLEISTOCENE)

VPT //PC 214+30.000 EL 3.885
VPT //PC 215+30.000 EL 4.071
VPT //PC 216+90.000 EL 4.071
VPT //PC 217+35.000 EL 4.326
VPC 214+60.000
VPC 216+65.000 EL 4.326

S-23
SS-49
SS-50
SS-51
SS-52

6.2m RT (+)0.3750% Ⓐ (+)0.3000% 6.2m LT (+)0.3000% PROP GRADE LINE (+)0.3000% 6.2m LT (+)0.3000% 5.8m RT (+)0.3000% S-24 5.8m LT (+)0.3000%
7/02 7/02 7/02 7/02 7/02 7/02

EXIST GROUND LINE
VERY LOOSE TO LOOSE BROWN TO GRAY SILTY FINE SAND, MOIST TO SATURATED (PLEISTOCENE)
PI = 215+05.000 EL = 4.146 L = 50.000 K = 74 DS = 110* KM/H
PI = 215+55.000 EL = 3.996 L = 50.000 K = 93 DS = 120* KM/H
PI = 217+00.000 EL = 4.431 L = 70.000 K = 117 DS = 120* KM/H
PI = 217+60.000 EL = 4.251 L = 50.000 K = 83 DS = 120* KM/H

SEE SHEET NO. 21 FOR -L- PLAN.

214+20 215+00 216+00 217+00 217+80