6.09.22

PROJECT REFERENCE NO.	SHEET NO.
R-2562D	36
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

METRIC

5 0 10

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

CONST.REV.

R /W REV.

-L2-

-L3-

BM NCGS (JUNCTION)
-L- STA 13+50.147
OFFSET 9.859 LT.
ELEV. 46.019

TBM #23 -L- 13+70.687
OFFSET 26.754 RT. RR SPIKE
SET IN BASE OF 24" TWIN OAK TREE
INTERSECTION OF NC 87 & NC 41
ELEV. 45.619

Soil Sample Test Results

SAMPLE NO.	STATION	OFFSET	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT C.SAND	F.SAND	SILT	CLAY	% PASSING (SIEVES) 2.0 mm	425 um	75 um	% MOISTURE	% ORGANIC
SS-33	20+00	5m LT	0.30-0.45	A-3(0)	18	NP	41.9	49.3	3.7	5.1	97	81	9		
SS-34	20+00	5m LT	1.52-1.97	A-3(0)	14	NP	35.8	58.8	1.4	4.0	100	88	6		
S-30	21+80	CL	0.30-0.80	A-2-4(0)	17	NP	37.6	47.9	7.5	7.1	100	88	15		
S-31	21+80	CL	0.80-1.90	A-2-4(0)	14	NP	42.2	47.0	3.7	7.1	100	84	11		

-L2- STA. 18+80.000
EL = 44.182

-L2- STA. 19+35.434 LB= (7.0 RT)
-L3- STA. 19+35.644 LA
EL = 43.825

-L1- STA. 19+35.644 LB (7.0 RT)
-L2- STA. 19+35.434 LB (7.0 LT)
-L3- STA. 19+35.644 LA
EL = 43.825

-L3- STA. 22+20.000
EL = 42.869

PI = 21+50.000
EL = 42.443 m
VC = 120 m
K = 96

1m RT
-0.6447%

S
5m LT

-0.6447%

+0.6092%

11/99 VERY LOOSE TO MEDIUM DENSE TAN BROWN FINE TO COARSE SAND, MOI. TO SAT.

(6) (3) (19) (11)

SEE SHEET 19 FOR PLAN VIEW

47 46 45 44 43 42 41 40 39 38 37 36 35 34

+80 19+00 +20 +40 +60 +80 20+00 +20 +40 +60 +80 21+00 +20 +40 +60 +80 22+00 +20

-L3-

BM NCGS (JUNCTION AZ)
-L3- STA 24+03.524
OFFSET 2.275 RT.
ELEV. 42.975

TBM #24 -L3- 22+20.640
OFFSET 26.754 RT. RR SPIKE
SET IN ROOT OF 14" OAK TREE
ELEV. 41.854

Soil Sample Test Results

SAMPLE NO.	STATION	OFFSET	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT C.SAND	F.SAND	SILT	CLAY	% PASSING (SIEVES) 2.0 mm	425 um	75 um	% MOISTURE	% ORGANIC
SS-35	23+00	CL	0.30-0.45	A-2-4(0)	14	NP	40.9	45.1	4.9	9.1	100	85	15		
SS-36	23+00	CL	1.52-1.97	A-3(0)	22	NP	44.4	53.9	0.6	1.0	100	84	2		
S-32	24+80	CL	0.30-1.80	A-2-4(0)	15	NP	37.5	51.5	3.9	7.1	100	87	11		

-L3- STA. 22+20.000
EL = 42.869

-L3- STA. 25+60.000
EL = 43.377

PI = 23+35.000
EL = 43.570 m
VC = 125 m
K = 112

PI = 24+35.000
EL = 43.064 m
VC = 60 m
K = 79

S +0.6092% -0.5060% -0.5060% +0.2501% S

11/99 LOOSE TO MEDIUM DENSE TAN BROWN FINE TO COARSE SAND, MOI. TO SAT.

(9) (5) (12) (10)

SEE SHEET 20 FOR PLAN VIEW

44 43 42 41 40 39 38 37 36 35 34

+20 +40 +60 +80 23+00 +20 +40 +60 +80 24+00 +20 +40 +60 +80 25+00 +20 +40 +60

WETHERILL ENGINEERING, INC
4915 Waters Edge Dr., Suite 295
Raleigh, North Carolina 27606
(919)851-8077 Fax: (919)851-8107

15-DEC-2022 15:52:28 mike
\\proj\r-2562d.pf1