5/28/99

PROJECT REFERENCE NO.	SHEET NO.
R-2911D	25

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PBSJ POST, BUCKLEY, SCHUH & JERNIGAN, INC.
5214 SPRING FOREST ROAD
RALEIGH, NORTH CAROLINA 27616

-LLT-

760 / 750 / 740 / 730 / 720 / 710 / 700 / 690 / 680 / 670

341 342 343 344 345 346 347 348 349 350 351 352 353

(+)3.489% (-)15.9569%

EXISTING US 70 (ROADWAY FILL)

PI = 344+25.00
EL = 756.22'
VC = 1,430'
K = 151
DS = 60 MPH

PI = 357+00.00
EL = 680.23'
VC = 860'
K = 137
DS = 60 MPH

EXISTING US 70 (ROADWAY FILL)

(-)15.9569%

** MAXIMUM GRADE DESIGN EXCEPTION REQUIRED
SEE SHEET 13 FOR -L- PLAN VIEW

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	PL. I.	% BY WEIGHT C. SAND	F. SAND	SILT	CLAY	% PASSING SIEVES 10	40	200	% MOISTURE	% ORGANIC
S-58	50 RT	346+10	0.00-22.20	A-7-5(22)	59	27	8.7	17.5	12.7	61.0	100	97	76	-	-
SS-59	25 RT	349+15	4.70-5.70	A-2-4(0)	35	NP	32.8	38.5	18.6	10.2	100	83	35	-	-
SS-60	25 RT	349+15	9.20-10.20	A-4(0)	39	NP	22.8	47.0	26.1	4.1	100	89	40	-	-
SS-61	40 RT	352+00	4.40-5.40	A-7-6(20)	53	27	9.6	21.6	24.1	44.8	100	96	73	-	-
SS-62	40 RT	352+00	8.90-10.40	A-2-4(0)	26	NP	26.0	58.4	11.5	4.1	100	87	25	-	-

-LRT-

(+)3.475% (-)15.9569%

S-58
-L- STA. 346+10
50 RT

-L- STA.342+49.89 (35' RT) =
-Y5- STA.10+35.00
ELEV. 740.52

RESIDUAL - MEDIUM STIFF RED-BROWN SILTY SANDY CLAY, MOIST

PI = 344+25.00
EL = 756.22'
VC = 1,430'
K = 152
DS = 60 MPH

DRY 4-02

SS-59
SS-60
-L- STA. 349+15
25 RT

RESIDUAL
8
9
12
LOOSE TAN-BROWN SILTY SAND, MOIST
RESIDUAL - MEDIUM STIFF RED-BROWN
STIFF GRAY-WHITE SANDY SILT, MOIST

DRY 4-02

SS-61
SS-62
-L- STA. 352+00
40 RT

(-)15.9569%

8
29
SANDY SILTY CLAY, MOIST
MEDIUM DENSE TO DENSE GRAY SILTY SAND, MOIST

DRY 4-02

** MAXIMUM GRADE DESIGN EXCEPTION REQUIRED
SEE SHEET 13 FOR -L- PLAN VIEW

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