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8/17/99

ADT 2017 / ADT 2037	–Y1–	1,500 / 2,170
3,770 / 5,580	–L2– NC 11	–L2– 3,770 / 5,580 SHORT CUT RD
	–Y1–	1,500 / 2,170

ICA Engineering
5121 Kingdom Way, Suite 100
Raleigh, NC 27607
NC License No: F-0258

PROJECT REFERENCE NO.	SHEET NO.
R-5311A	4
R/W SHEET NO.	

TIMBERVEST PARTNERS II NORTH CAROLINA, LLC

6

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 032074 ENGINEER DENA C. SNEAD — DocuSigned by: Dena C. Snead 5/5/2017

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 034364 ENGINEER TRENTON J. CORMIER — DocuSigned by: Trenton J. Cormier 5/5/2017

2A6838D

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/NSRS 2007

MATCHLINE –Y1– STA 21+00 SEE SHEET 8

1 MICHAEL LEE MORRIS AND WIFE, JOY S. MORRIS

2 DELANO R. LANG, JR.

3 DELANO R. LANG, JR.

4 DELANO R. LANG, JR.

REPLACE EXISTING WOVEN WIRE FENCE AT LOCATIONS DEEMED APPROPRIATE BY THE ENGINEER.

ESTIMATED QUANTITY FOR WOVEN WIRE FENCE REPLACEMENT = 500 LF

BEGIN TIP PROJECT R-5311A
–EL– POT STA 310+00.00

BEGIN APPROACH SLAB
–Y1– POT STA 24+04.84

BEGIN BRIDGE
–Y1– POT STA 24+18.97

END BRIDGE
–Y1– POT STA 26+04.97

END APPROACH SLAB
–Y1– POT STA 26+19.10

OVERLAY EXISTING ROAD
–EL– STA 310+00.00 TO 355+00.00

NOTE: ENSURE DITCH HAS POSITIVE DRAINAGE TO EXISTING CHANNEL AT STA. –L– 91+00 RT

USE RSS SECONDARY GRID AT SLOPE TRANSITIONS FROM 2:1 TO 2:75 AT BRIDGE. SEE PSH 2G-1, 2G-2, AND 3G-1.

MATCHLINE –EL– STA 320+00 SEE SHEET 5

MATCHLINE –Y1– STA 29+00 SEE SHEET 9

R5311A-1

PROP. 47" WW FENCE

LAT. 3' BASE DITCH SEE DETAIL A

LAT. 5' BASE DITCH SEE DETAIL B

LATERAL BASE DITCH SEE DETAIL D

STANDARD 5' BASE DITCH SEE DETAIL G

STANDARD V DITCH SEE DETAIL H

CL B RIP RAP EST. 2 TONS EST. 7 SY GEOTEXTILE

CL B RIP RAP EST. 5 TONS EST. 14 SY GEOTEXTILE

TIE TO EXISTING C/A FENCE –EL– +27.27 180' LT

TIE TO EXISTING C/A FENCE –EL– +07.21 180' LT

TIE TO EXISTING C/A FENCE –EL– +19.51 180' LT

TIE TO EXISTING C/A FENCE +05 107.08' RT

END C/A +60 120.19' LT

+56 128.24' LT

+00 96' RT

+50 130' RT

+31 125' LT

END SBG +84 LT & RT

END SBG +41 LT & RT

PIPE CLEAN OUT

REMOVE 4 LF 24" RCP-III

COLLAR AND EXTEND

GRADE TO DRAIN

–L– POT STA 95+14.45 = –Y1– POT STA 25+12.22

–EL– POT STA 314+22.22 = –Y1– POT STA 25+47.22

24" RCP-III

15" RCP-IV

15" W/2 ELBOWS

TB 2GI

TYPE B-77

REMOVE

GRAU-350

24" RCP-III GRAU-350

–L– FUTURE FREEWAY

NC HWY 11 – 32' BST

–EL– N 38° 18' 17.1" E

–Y1– N 5° 47' 19.9" E

CULTIVATED

WOODS

WLB

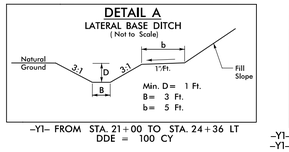
ECM

90+00

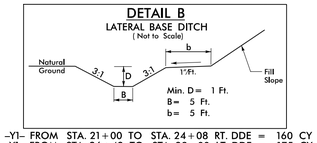
100+00

315+00

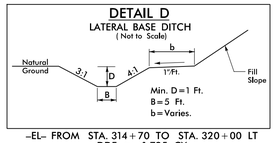
25+00



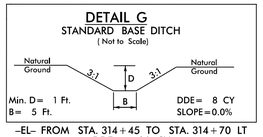
–Y1– FROM STA. 21+00 TO STA. 24+36 LT
DDE = 100 CY



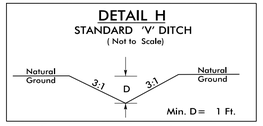
–Y1– FROM STA. 21+00 TO STA. 24+08 RT. DDE = 160 CY
–Y1– FROM STA. 26+42 TO STA. 29+00 LT. DDE = 175 CY



–EL– FROM STA. 314+70 TO STA. 320+00 LT
DDE = 1,725 CY



–EL– FROM STA. 314+45 TO STA. 314+70 LT
DDE = 20 CY



–EL– FROM STA. 313+45 TO STA. 313+64 RT
DDE = 5 CY, SLOPE = 0.0%
–EL– FROM STA. 315+15 TO STA. 315+43 RT
DDE = 5 CY, SLOPE = 0.0%

PAVEMENT REMOVAL

FOR –EL– PROFILE, SEE SHEET 12 & 13
FOR –Y1– PROFILE, SEE SHEET 14 & 15
FOR BRIDGE, SEE SHEET S01-1 TO S01-30
FOR BRIDGE /PAVEMENT RELATIONSHIP SKETCH, SEE SHEET 2B-4

5/5/2017
R5311A_Roadway_Proj\R5311A_RDY_PSH_04.dgn
FAY ENGINEERING, NC