DocuSign Envelope ID: 852CA082-E8E0-4CFF-AAA5-0BB658A2BF3A

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2412A	8
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 27391 ENGINEER Michael Penven

DocuSigned by: Michael Penven 4/24/2018

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER Justin M. Dilon

DocuSigned by: Justin M. Dilon 4/24/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:

MOTT MACDONALD

PO Box 700
Fuquay-Varina, NC 27526
www.mottmac.com/americas
LICENSE NO. F-0669

SUNGATE DESIGN GROUP, P.A.

905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243
ENG FIRM LICENSE NO. C-890

NAD 83/95

65+00

70+00

75+00

-BL-152

-BL-151

-BL-153

-BL-154

-BY4B-145

-L-

N 88°52'37" E
454.68'

NCDOT
DB 7358 PG 831

SPECIAL LAT. 'V' DITCH
STA. 61+00 TO 63+00 –L– LT
SEE DETAIL #9 SHEET 2D-1

47 WW FENCE

200' TAPER

DO NOT BURY
+40.00
100.00' LT

+80.00
100.00' LT

+67.24
76.02' LT
END WW
FENCE

HW

+72.45
80.00' LT
BEG WW
FENCE

801

59A

NCDOT
DB 7358 PG 828

24" RCP-III

802

DO NOT BURY
INVERT

CLASS 'I' RIP RAP
EST 10 TONS
EST 23 SY GEO

EXISTING R/W

BM 17

SPECIAL LAT. 'V' DITCH
LINED W/CLASS 'B' RIP RAP
EST 70 TONS
EST 210 SY GEO
STA. 70+00 TO 72+00 –L– LT
SEE DETAIL #3
SEE SHEET 2D-1

59

JEMSITE DEVELOPMENT LLC
DB 7491 PG 1789
PB 170 PG 141

803

18" RCP-III

804

2GI

FS

805

DO NOT BURY
INVERT

CLASS 'B' RIP RAP
EST 2 TONS
EST 7 SY GEO

S 78°20'39" E
979.77'

47 WW FENCE

806

15" RCP-III

807

S 75°09'45.8" E

MATCHLINE SEE SHEET 7
-L- STA 62+50.00

MATCHLINE SEE SHEET 9
-L- STA 76+00.00

-L- CS Sta. 71+53.60

-L- ST Sta. 74+03.60

NCDOT
DB 7358 PG 831

ROY & CAROL BLACKWELDER
DB 2119 PG 426
PB 20 PG 73

S 85°41'08" E
234.15'

S 85°55'36" E
99.32'

S 85°40'42" E
100.01'

S 86°14'45" E
774.50'

N 86°41'25" W
75.02'

195.81' EIP-R/W

S 04°29'06" W

SIDNEY W. & FRANCIS LEE
DB 4871 PG 836
PB 20 PG 73

ISBKD

WD DK

48" CHL

CONC

12" RCP

15" RCP

8"VC

EDGEVIEW RD 20' BST

60.00'

MATCHLINE SEE SHEET 21

-L-	
PI Sta 66+82.76	PIs Sta 72+36.96
Δ = 22° 47' 10.2" (RT)	Θs = 2° 59' 03.0"
D = 2° 23' 14.4"	Ls = 250.00'
L = 954.46'	LT = 166.69'
T = 483.62'	ST = 83.35'
R = 2,400.00'	RO = 83.34'
SE = 06	
DS = 60 mph	

-L- PFL SEE SHEET 26 & 27

1:48:33 PM
C:\123\Projects\proj\U2412A_rdy_psh08.dgn
PSH08B5