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8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-2412A	7
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 27391 ENGINEER MICHAEL PERSON

Docusigned by: Michael Person 4/24/2018

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER JOSHUA G. DIXON

Docusigned by: Joshua G. Dixon 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. — 909 JONES FRANKLIN ROAD, RALEIGH, NORTH CAROLINA 27606, TEL (919) 859-2243, ENG FIRM LICENSE NO. C-890

NAD 83/95

2020 / 2190 -Y4- MANOR DR.

910 / 1000 — 550 / 960

25440 / 31770 SR 4121 -L- 27540 / 34870

200 / 200 — 2670 / 3340

EST. 2018/2038 TRAFFIC VOLUMES 3440 / 3770 -Y4- MANOR DR.

MATCHLINE SEE SHEET 21 -Y4- STA 13+00.00

MATCHLINE SEE SHEET 6 -L- STA 48+50.00

MATCHLINE SEE SHEET 8 -L- STA 62+50.00

MATCHLINE SEE SHEET 21 -Y4- STA 23+00.00

DAVID MICHAEL CORUM DB 4125 PG 1144 PB 9 PG 13

MANOR DRIVE LLC. DB 7712 PG 2922 PB 9 PG 13

JEMSITE DEVELOPMENT LLC DB 7491 PG 1789 PB 170 PG 141

NCDOT DB 7099 PG 186 PB 9 PG 13

NCDOT DB 7546 PG 435

NCDOT DB 7494 PG 2774

NCDOT

NCDOT DB 6566 PG 1901

KEVIN J. RITTER DB 4738 PG 614 PB 5 PG 342

HERITAGE HOLDINGS GROUP, LLC. DB 4323 PG 1213 PB 9 PG 13

CONSUELO L. DE LANDAVERDE DB 7722 PG 1490 PB 9 PG 13

O.E. & HELEN G. KESTER DB 1403 PG 232 PB 9 PG 13

ROBERT P. & HELEN E. GUARINO DB 925 PG 317 PB 19 PG 88

R. ANDREWS BUILDERS INC. DB 7097 PG 135 PB 9 PG 13

TERESA M. HONN DB 6719 PG 2751 PB 9 PG 13

ROBERT E. & AMY M. WINSLOW DB 6382 PG 2591 PB 5 PG 342

JEFFREY SCOTT & SARAH H. OAKLEY DB 4959 PG 1540 PB 5 PG 342

JEFFREY SCOTT & SARAH H. OAKLEY 708 DB 4959, PG 1540 PB 5 PG 342

GROOME, HOFFMAN & BENCINI, INC. DB 1923 PG 631

KHAN & SHERRY KHAN DB 4480 PG 602 PB 86 PG 2

JERRY C. & ANITA L. KEY DB 4217 PG 1777 PB 86 PG 2

NO CLAIM ILLARD J. & MAJORIE NAN P. YARBOROUGH DB 1558 PG 82 PB 20 PG 45

CARL A. & JANICE GALLOWAY DB 4112 PG 1357 PB 20 PG 45

BILLY K. & JANICE WISE DB/6657 PG 1414 PB 20 PG 45

LUTHER M. & LOUISE W. CATHEY DB 3449 PG 2206 PB 20 PG 45

NO CLAIM H. MACK LITTLE DB 2955 PG 754 PB 20 PG 45

KERRY L. GRINDSTAFF DB 6763 PG 2072 PB 20 PG 45

DEBORAH N. EDWARDS DB 4102 PG 1412 PB 20 PG 45

SLOBODAN & NADA KRAJISNIK DB 5476 PG 1806 PB 20 PG 45

JOSEPH E. LOFLIN DB 1467 PG 536 PB 20 PG 45

MELVIN M. & BETTY R. CARTER DB 1735 PG 155 PB 9 PG 13

MELVIN M. & BETTY R. CARTER DB 3646 PG 960 PB 20 PG 45

-BL-113 — -BL-280 — -BL-279 — -BL-281 — -BY4-141 — -BL- — -BL-112 — -BY4A-144 — -BY4- — -BL-150

-L- PC Sta. 54+60.95 — -L- ST Sta. 54+60.95 — CS Sta. 52+35.95

-L- POT Sta. 58+96.70 — -Y4- POT Sta. 17+50.00 — -Y4- PC Sta. 18+61.51 — -L- TS Sta. 59+49.14 — -L- SC Sta. 61+99.14 — PT Sta. 20+17.06

-U2412-3 -BY4- TIMOTHY G SPRADLEY & -BY4A- MARGO SPRADLEY PUGH ET AL -BY4B- 98EI0, 07E1046, 14E512 DB 4893 PG 374 PB 20 PG 45

TOE PROTECTION W/CLASS 'B' RIP RAP STA. 52+50 TO 54+00 -L- LT SEE DETAIL #2 SEE SHEET 2D-1 EST 72 TONS EST 193 SY GEO

SHOULDER BERM GUTTER STA. 50+44 TO 54+60 -L- LT

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

DRAWDOWN STRUCTURE W/TRASH RACK SEE DETAIL 26 & 27 SEE SHEETS 2D-2 & 2D-3

HSB #1 (DRY DETENTION BASIN) — HSB #2 (DRY DETENTION BASIN)

CLASS 'B' RIP RAP EST 11 TONS EST 22 SY GEO — CLASS 'B' RIP RAP EST 5 TONS EST 16 SY GEO

CLASS 'II' RIP RAP ON BANKS ONLY SEE DETAIL #5 SEE SHEET 2D-1 EST 54 TONS

CL I RIP RAP EST 10 TONS EST 23 SY GEO

EMERGENCY SPILLWAY (LOCATED IN CUT) INV EL. 834.5 — EMERGENCY SPILLWAY (LOCATED IN CUT) INV EL. 831.5

TOP BERM EL. 835.5 — TOP BERM EL. 832.5

DO NOT BURY INVERT — BURY INVERT 1' — HW BURY INVERT 0.9'

GREU TL-3 — GREU TL-4 — CAT-1

47 WW FENCE — 200' TAPER — REMOVE

PROP. TRAFFIC SIGNAL

-L- PFL SEE SHEET 26

-Y4- PFL SEE SHEET 35

-Y4-

PI Sta 19+39.39	
Δ = 7° 07' 47.5" (LT)	
D = 4° 35' 01.2"	
L = 155.55'	
T = 77.88'	
R = 1,250.00'	
SE = 04	
DS = 40 mph	

-L-

PI Sta 49+09.57	PIs Sta 53+10.96	PIs Sta 61+15.83	PI Sta 66+82.76
Δ = 12° 57' 07.6" (LT)	Θs = 2° 13' 21.7"	Θs = 2° 59' 03.0"	Δ = 22° 47' 10.2" (RT)
D = 1° 58' 32.6'	Ls = 225.00'	Ls = 250.00'	D = 2° 23' 14.4"
L = 655.56'	LT = 150.01'	LT = 166.69'	L = 954.46'
T = 329.19'	ST = 75.01'	ST = 83.35'	T = 483.62'
R = 2,900.00'	R0 = 81.82'	R0 = 81.82'	R = 2,400.00'
SE = 055			SE = 06
DS = 60 mph			DS = 60 mph

I:48129.PM
I:48129_PM_Roadway\pro\U2412A_rdy_psh07.dgn
Phillips