8/17/99

PROJECT REFERENCE NO.	SHEET NO.
U-3330	EC-07/CONST.07
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TRAFFIC DIAGRAM

ADT 2019
ADT 2039

#1 LOWES DRIVEWAY

34,900 / 42,400	4,400 / 5,400	3,600 / 4,400	34,200 / 41,400

8,000 / 9,700

–L– US 301 BYPASS –L–

–L–

PI Sta 77+22.10
Θs = 1° 07' 29.7"
Ls = 150.00'
LT = 100.00'
ST = 50.00'

PI Sta 87+38.46
Δ = 28° 23' 35.4" (RT)
D = 1° 29' 59.6"
L = 1,893.02'
T = 966.37'
R = 3,820.00'
SUPER = 0.03
RO = 150.00'

PI Sta 97+15.11
Θs = 1° 07' 29.7"
Ls = 150.00'
LT = 100.00'
ST = 50.00'

TRAFFIC DIAGRAM

ADT 2019
ADT 2039

–Y2– US 64

34,200 / 41,400	5,300 / 6,400	8,400 / 10,200	39,900 / 48,400

40,400 / 49,000

–L– US 301 BYPASS –L–

4,100 / 5,000 — 6,600 / 8,100

37,300 / 45,400 — –Y2– US 64

NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE – B AND TEMPORARY ROCK SILT CHECKS TYPE – A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING
EROSION CONTROL FOR CONSTRUCTION SHEET 07

NAD 83/86

MATCHLINE –L– STA. 65+00 SEE SHEET 6

MATCHLINE –L– STA. 79+00 SEE SHEET 8

ARCLWRMTNCOOL, LLC
DB 2693 PG 640

64NOVO LLC
DB 2719 PG 263
PB 24 PG 323

NATIONAL PROPERTIES CORP.
DB 1801 PG 675

TRUSTEE OF HERMAN INSTRIN
DB 2422 PG 138

CP&L EASEMENT
DB 1091 PG 409

SPECIAL CUT DITCH SEE DETAIL 7-1

+00.00 –L– 108.00'
+46.00 –L– 115.00'
RETAIN
+1.00 –L– 101.31' END WW FENCE
+86.00 –L– 101.32' 115.00' BEGIN WW FENCE
70+00
END C /A +45.40
+58.00 –L– 101.35'
+00.00 –L– 113.00'
+47.48 –L– 113.00'
+27.60 –Y2RPB– 134.83' END WW FENCE
RETAIN
S 57° 11' 39.8" E
–Y2RPB–
–Y2RPB– POT Sta. 10+00.00
B
75+00
–L– POC Sta.78+07.84
–Y2– POC Sta.19+97.88
ESTIMATED LOCATION OF U/G JB
RETAIN
0796
BEGIN CONSTRUCTION
–Y2RPB– POT Sta. 11+43.77
–L– TS Sta. 76+22.09
–Y2RPB– POT Sta. 12+60.61
–L– POT Sta.73+82.54
+45.40 –L– 101.37'
SINGLE FACED CONC. BARRIER
450' STORAGE
18+00

ACCESS BREAK
PROP. 47" WW FENCE
REMOVE
REMOVE 16 LF OF 24" RCP
2GI
0708
0709
0710
0707
PROP. 5' MONO. ISLAND
DI
TBGJB w/MH
0706
0705
0702
PROP. SHLDR. BERM GUTTER
250' STORAGE
15" w/ELBOWS
COLLAR AND EXTEND
0704
PDE
0703
0701
+27.00 –L– 110.00'
+37.00 –L– 98.70' 110.00'
+63.00 –L– 98.70' 110.00'
2 TONS CL B RIPRAP
7 SY GEOTEXTILE
–BL– #GPS U3330-4 PINC
NOTE: PROPERTY OWNER RESPONSIBLE FOR FUTURE CONNECTION
+08.00 –L– 98.69' END WW FENCE END C /A
+68.00 –L– BEGIN WW FENCE BEGIN C /A
+05.00 –L– 85.00'
+00.00 –L– 98.68' 110.00' 120.00'
RIP RAP AT EMBANKMENT SEE DETAIL 7-2
+42.00 –L– 85.00'
+58.00 –L– 98.67' 110.00'
END C /A +45.42
2 TONS CL B RIPRAP 7 SY GEOTEXTILE

REMOVE 35 LF OF 15" RCP
REMOVE
FILL WITH FLOWABLE FILL
END SBG +50.00
0713
0712
CAT-1
150' RIGHT TURN TAPER
300' STORAGE
PROP. 47" WW FENCE
+50.16 –L– 110.00'
+45.42 98.63' TIE TO EXIST FENCE
0714
2 TONS CL B RIPRAP 7 SY GEOTEXTILE
CP&L EASEMENT DB 1091 PG 409
UTILITY MAINTENANCE ONLY INSTALL 2 – 10' GATES
TIE TO EXISTING G/R
EXISTING G/R
EXIST EWST
–Y2RPC–
N 70° 36' 07.3" W 22.3'
–Y2RPC– POT Sta. 10+00.00
–Y2RPC– PC Sta. 10+00.14

0715
2GI
15" RCP-IV
N 31° 04' 31.0" E
–L–

0793
JB w/MH
15" RCP-IV
REMOVE
DI DI DI
0792
0791
0795
REMOVE EX. PIPE
0799
RETAIN
JB w/Slab Lid
TYPE B-77
ESTIMATED LOCATION OF U/G JB
REMOVE
0798
48" RCP-IV
26 TONS CL I RIPRAP
50 SY GEOTEXTILE
GRAU 350
150' LT TURN TAPER
500' STORAGE
–BL– #103 PINC
–Y2RPC– POT Sta.12+99.54
–L– POT Sta.73+80.27
–L– SC Sta. 77+72.09
–Y2RPC– PT Sta. 11+14.52
BEGIN CONSTRUCTION
–Y2RPC– POC Sta. 10+70.00
–Y2RPC– PC Sta. 10+00.14
C

–Y2RPC–
PI Sta 10+57.38
Δ = 5° 54' 14.6" (RT.)
D = 5° 09' 42.4"
L = 114.38'
T = 57.24'
R = 1,110.00'
SUPER = EXIST.

–Y2–
PI Sta 20+46.86
Δ = 9° 50' 42.2" (LT)
D = 1° 00' 00.0"
L = 984.51'
T = 493.47'
R = 5,729.58'

TRANSITION MEDIAN FROM 30' TO 33'
–L– STA.73+90.00 TO STA.74+65.00

DRIVEWARD RADII ARE 25' UNLESS OTHERWISE NOTED

FOR –L– PROFILE SEE SHT.15
FOR –Y2RPB– & –Y2RPC– PROFILE SEE SHT.22
SEE SHT. 2-F FOR DITCH DETAILS
SEE SHT. 2-H FOR INTERSECTION DETAILS

SYSTEM: 8.05
DESIGN: 8.05
PLOT: 8.05
DRAWN: 8.05
CHECK: 8.05
ENGINEER: 8.05

MULKEY
ENGINEERS & CONSULTANTS
PO Box 33127
RALEIGH, N.C. 27636
(919) 851-1912
(919) 851-1918 (FAX)
WWW.MULKEYINC.COM
NC LICENSE NO. C-1021