PROJECT REFERENCE NO.	SHEET NO.
U-3615B	UC-16

DESIGNED BY: DMP
DRAWN BY: DMP
CHECKED BY: DMP
APPROVED BY:
REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

UTILITIES ENGINEERING SEC.
PHONE: (919) 707-6690
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NORTH CAROLINA PROFESSIONAL SEAL 26457 ENGINEER ANDREW P. LARRICK
DocuSigned by: 10/6/2014

UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

25 0 50

NAD 83/95

-L-	-L-
PI Sta 328+16.30	PI Sta 333+31.24
Δ = 1° 00' 09.9" (LT)	Δ = 1° 03' 02.2" (RT)
D = 0° 30' 00.0"	D = 0° 30' 00.0"
L = 200.55'	L = 210.12'
T = 100.28'	T = 105.06'
R = 11,459.16'	R = 11,459.16'
DS = 50 MPH	DS = 50 MPH
SE = NC	SE = NC
RO = SEE PLANS	RO = SEE PLANS

NOTE: PROPOSED RETAINING WALL WILL BE CONSTRUCTED BETWEEN EX. VAULTS AND PROP. SIDEWALK, SO EX. VAULTS AND WM'S CAN REMAIN

PROP. - 2 - ADJUSTMENT OF METER BOXES, 1 - ADJUSTMENT OF WATER METER VAULT TOP (RAISE APPROXIMATELY 0.5 FEET)

PROP. - 1 - RELOCATE WATER METER

PROP. - 40 L.F. OF 12" WATERLINE

REMOVE UTIL. MH

PROP. - 1 - RELOCATE FIRE HYDRANT

PROP. - 1 - RELOCATE WATER METER

PROP. - 1 - RELOCATE WATER METER, 1 - RELOCATE 2" RPZ BACKFLOW PREVENTER

PROP. - 2 - RELOCATE WATER METERS 1 - RELOCATE 2" RPZ BACKFLOW PREVENTER 1 - RELOCATE 1-1/2" RPZ BACKFLOW PREVENTER 1 - RELOCATE FIRE WATER METER IN VAULT

ABANDON 1,400 L.F. OF 16" UTILITY PIPE

PROP. - 1 - RELOCATE FIRE HYDRANT

PROP. - 1,400 L.F. OF 16" FORCEMAIN SEWER (SEE UC-23 FOR PROFILE)

PROP. - 1 - RELOCATE FIRE HYDRANT

PROP. - 2 - RELOCATE WATER METERS, 1 - RELOCATE 1-1/2" RPZ BACKFLOW PREVENTER, 1 - RELOCATE 3/4" RPZ BACKFLOW PREVENTER

MATCHLINE ST A 322+00.00 SHEET UC-15

MATCHLINE ST A 336+00.00 SHEET UC-17

-L- PCSta. 327+16.02
-L- PT Sta. 329+16.57
-L- PCSta. 332+26.18
-L- PT Sta. 334+36.30

122 RAY H. COBLE, JR DB 4149 PG 0374 PB 110 PG 081

120 SKEET CLUB DOWNS HOMEOWNERS ASSOC DB 4183 PG 1114

124 FOUNTAIN GROVE PROPERTIES, LLC DB 6405 PG 1832 PB 142 PG 042

126 FOUNTAIN GROVE PROPERTIES, LLC DB 6405 PG 1832 PB 142 PG 032

127 HIGH POINT RETIREMENT RESIDENCE LLC DB 5422 PG 0723 PB 144 PG 081

121 HCRI SKEET CLUB MANOR PROPERTIES, LP DB 5953 PG 2236 PB 124 PG 083

125 HCRI SKEET CLUB MANOR PROPERTIES, LP DB 5953 PG 2231 PB 130 PG 128

128 BETHLEHEM LLC DB 4802 PG 0528 PB 127 PG 126

129 R A PROPERTIES DB 5397 PG 1405 PB 099 PG 055

GRASS SWALE DATA

b = 4'
m = 3:1 & 4:1
s = 0.8%
min. d = 2'
V10 = 2.13 fps
V2 = 1.97 fps
therefore, d10 = 0.71'
d2 = 0.63'
min. length of swale = 200'
L = 232'

I2 = 4.4 in./hr., Q2 = 7.7 cfs
I10 = 5.6 in./hr., Q10 = 9.8 cfs
DA = 2.0 ac.
Tc = 10 min.
Avg. c = 0.86

DETAIL II (Not to Scale)

FROM STA. 329+27 TO STA. 331+59 -L- (RT)

UTILITY CONSTRUCTION PLANS PREPARED BY:

DAVIS • MARTIN • POWELL ENGINEERS & SURVEYORS

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REVISIONS

8/17/99