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12/12/16

Note: Not to Scale

****S.U.E. = Subsurface Utility Engineering***

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.137	UC-2
DESIGNED BY: RMS	
DRAWN BY: LAM	
CHECKED BY: RMS	
APPROVED BY:	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)250-4128 FAX:(919)250-4119	UTILITY CONSTRUCTION PLANS ONLY

NORTH CAROLINA PROFESSIONAL SEAL 26960 ENGINEER
DocuSigned by: Rick Morris
1/23/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

UTILITY CONSTRUCTION

Water

Proposed Back Flow Preventor	PBFP
Relocate Back Flow Preventor	RBFP
Existing Water Valve	WV
Proposed Valve	GV
Proposed Tapping Valve	TGV
Existing Water Meter	WM
Proposed Water Meter	PWM
Proposed Water Meter / Vault	PWM
Relocate Water Meter	RWM
Remove Water Meter	REM WM
Existing Well	W
Existing Hydrant	H
Prop Hydrant	PFH
Relocate Hydrant	RFH
Remove Hydrant	REM FH

Proposed RPZ Back Flow Preventor	PRPZ
Relocate RPZ Back Flow Preventor	RRPZ
45° Bend w/Thrust Block	
Water Plug	
Water Cross	
Water Plug	
Water Reducer	
Water Tee	
Water Pump Station	PS(W)
Water Thrust Block	
Blow Off Valve	BO
Air Release Valve	AR
Water Line Stop	LS
Water Line Stop w Bypass	LS/BP

CONSTRUCTION/CONTRACTOR NOTES:

1. The proposed utility construction shall meet the applicable requirements of the NC Department of Transportation's "Standard Specifications for Roads and Structures" dated January 2012 and the Project Special Provisions for utility construction.

2. The contractor shall connect the new water line to the exisitng water lines using necessary fittings.

3. The Contractor shall make every effort to minimize the duration of any water supply disruption.

4. The Contractor shall be responsible for providing temporary potable water supplies to any customer upon request or when the duration of the water service loss or disruption exceeds 4 hours.

5. All materials, equipment, labor, and workmanship shall be in accordance with and subject to North Carolina Administrative Code for private water distribution systems.

Sewer

Existing Manhole	MH
Proposed UT Manhole	
Remove UT Manhole	REM UT MH
Abandon Utility Manhole	ABAND MH
Sewer Line Stop	LS
Sewer Line Stop w Bypass	LS/BP
U/G Sanitary Sewer Line	SS

Sewer Cross	
Sewer Plug	
Sewer Reducer	
Sewer Tee	
Sewer Pump Station	PS(SS)
Sewer Thrust Block	
U/G Septic Drainfield Line	

Utility By Other Symbols

Proposed Tel Pole	
Proposed Power Pole	
Proposed Joint Use Power, Tel Pole	
Proposed Joint Use Power, CATV Pole	
Proposed Joint Use Power, Tel, CATV Pole	
Proposed Joint Use Tel, CATV Pole	

PUE Monument	
Concrete Pier	CP
Steel Pile Pier	SP
Test Hole (SUE)	
Prop Utility Vault	UV

V&M PROJECT #31235-01
TRANSPORTATION\31235-01\UTILITIES\UC-2.DGN