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7/23/13

Note: Not to Scale

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

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

V&M
Vaughn & Melton
Consulting Engineers
Charlotte, North Carolina 704-357-0488
Asheville, North Carolina 828-253-2796
Tri-Cities, Tennessee 423-467-8401
Knoxville, Tennessee 865-546-5800
Middlesboro, Kentucky 606-248-6600
Spartanburg, South Carolina 864-574-4775
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PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.130	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: Kevin M. Schoeler 12/8/2016

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 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

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	

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

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 existing fire hydrant and valve rims and stems are to be raised or lowered to final grade, as applicable, and at least 3-ft of ground cover is to be maintained over the existing public water main at all times.

3. The contractor shall connect the fire hydrant and valves to the new water line using necessary fittings.

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

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

6. All materials, equipment, labor, and workmanship shall be in accordance with and subject to the Town of Robbinsville Water & Sewer Department Standard Specifications, and the North Carolina Administrative Code for water distribution systems. In the event of conflict between the Town of Robbinsville Water & Sewer Department Standard Specifications or the North Carolina Administrative Code, the more restrictive requirements shall apply.

7. All fire hydrant installations must be inspected by the Town of Robbinsville Fire Chief. The contractor shall notify the Fire Chief to request a site inspection of the fire hydrant once construction is complete.

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