

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	—————
11? Degree Bend	⋈
22? Degree Bend	⋈
45 Degree Bend	⋈
90 Degree Bend	⋈
Plug	⊥
Tee	⊥
Cross	⊥
Reducer	▶
Gate Valve	GV
Butterfly Valve	BV
Tapping Valve	TV
Line Stop	LS
Line Stop with Bypass	LS/BP
Blow Off	BO
Fire Hydrant	PFH
Relocate Fire Hydrant	RFH
Remove Fire Hydrant	REM FH
Water Meter	PWM
Relocate Water Meter	RWM
Remove Water Meter	REM WM
Water Pump Station	PS(W)
RPZ Backflow Preventer	RPZ
DCV Backflow Preventer	PBEP
Relocate RPZ Backflow Preventer	RPZ
Relocate DCV Backflow Preventer	PBEP

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	—————
Force Main Sewer Line (Sized as Shown)	—————
Manhole (Sized per Note)	•
Sewer Pump Station	PS(SS)

Power Pole	⊙
Telephone Pole	⊙
Joint Use Pole	⊙
Telephone Pedestal	TEL PED
Utility Line by Others (Type as Shown)	—————
Trenchless Installation	—————
Encasement by Open Cut	—————
Encasement	—————

Power Pole	•
Telephone Pole	•
Joint Use Pole	•
Utility Pole	•
Utility Pole with Base	□
H-Frame Pole	•—•
Power Transmission Line Tower	⊥
Water Manhole	⊙
Power Manhole	⊙
Telephone Manhole	⊙
Sanitary Sewer Manhole	⊙
Hand Hole for Cable	⊥
Power Transformer	⊥
Telephone Pedestal	⊥
CATV Pedestal	⊥
Gas Valve	◇
Gas Meter	◇
Located Miscellaneous Utility Object	⊙
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Thrust Block	⊥
Air Release Valve	AR
Utility Vault	UV
Concrete Pier	CP
Steel Pier	SP
Plan Note	NOTE
Pay Item Note	PAY ITEM

EXISTING UTILITIES SYMBOLS

*Underground Power Line	—————
*Underground Telephone Cable	—————
*Underground Telephone Conduit	—————
*Underground Fiber Optics Telephone Cable	—————
*Underground TV Cable	—————
*Underground Fiber Optics TV Cable	—————
*Underground Gas Pipeline	—————
Aboveground Gas Pipeline	A/G Gas
*Underground Water Line	—————
Aboveground Water Line	A/G Water
*Underground Gravity Sanitary Sewer Line	—————
Aboveground Gravity Sanitary Sewer Line	A/G Sanitary Sewer
*Underground SS Forced Main Line	—————
Underground Unknown Utility Line	—————
SUE Test Hole	⊙
Water Meter	⊙
Water Valve	⊙
Fire Hydrant	⊙
Sanitary Sewer Cleanout	⊙

*For Existing Utilities
 Utility Line Drawn from Record (Type as Shown) _____
 Designated Utility Line (Type as Shown) _____

PROJECT REFERENCE NO. B-4926	SHEET NO. UC-2	
DESIGNED BY: JWM	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
DRAWN BY: MW	UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151	
CHECKED BY: DEG		
APPROVED BY: JWM		
REVISED:		
UTILITY CONSTRUCTION		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
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REVISIONS		
NO.	DATE	DESCRIPTION
MAI REVIEW OFFICER APPROVAL		
DATE	MAI REVIEW OFFICER	1-19-0309-3401

REVISIONS