

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

DOCUMENT NOT CONSIDERED FINAL  
UNTIL ALL SIGNATURES ARE COMPLETED

PROJECT REFERENCE NO. U-5935 SHEET NO. UC-2

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	----- 12" WL -----
11¼ Degree Bend	----- +-----
22½ Degree Bend	----- +X-----
45 Degree Bend	----- +X-----
90 Degree Bend	----- +-----
Plug	-----  -----
Tee	----- +-----
Cross	----- +-----
Reducer	----- ▶-----
Gate Valve	----- GV-----
Butterfly Valve	----- BV-----
Tapping Valve	----- TGV-----
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	----- PWM-----
Remove Water Meter	----- REM WM-----
Water Pump Station	----- PS(W)-----
RPZ Backflow Preventer	----- PRPZ-----
DCV Backflow Preventer	----- PBFP-----
Relocate RPZ Backflow Preventer	----- RRPZ-----
Relocate DCV Backflow Preventer	----- RBFP-----

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	----- 12" SS -----
Force Main Sewer Line (Sized as Shown)	----- 12" FSS -----
Manhole (Sized per Note)	----- •-----
Sewer Pump Station	----- PS(SS)-----

PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	----- 0-----
Telephone Pole	----- 0-----
Joint Use Pole	----- 0-----
Telephone Pedestal	----- TEL PED-----
Utility Line by Others (Type as Shown)	----- PROP. O/H. POW. LINES-----
Trenchless Installation	----- 12" TL INSTALL-----
Encasement by Open Cut	----- 24" ENCAS. BY OC-----
Encasement	----- 24" ENCASUREMENT-----

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

Power Pole	----- •-----	*Underground Power Line	----- P-----
Telephone Pole	----- •-----	*Underground Telephone Cable	----- T-----
Joint Use Pole	----- •-----	*Underground Telephone Conduit	----- TC-----
Utility Pole	----- •-----	*Underground Fiber Optics Telephone Cable	----- T FO-----
Utility Pole with Base	----- □-----	*Underground TV Cable	----- TV-----
H-Frame Pole	----- •-----	*Underground Fiber Optics TV Cable	----- TV FO-----
Power Transmission Line Tower	----- ☒-----	*Underground Gas Pipeline	----- G-----
Water Manhole	----- ⊗-----	Aboveground Gas Pipeline	----- A/G Gas-----
Power Manhole	----- ⊗-----	*Underground Water Line	----- W-----
Telephone Manhole	----- ⊙-----	Aboveground Water Line	----- A/G Water-----
Sanitary Sewer Manhole	----- ⊗-----	*Underground Gravity Sanitary Sewer Line	----- SS-----
Hand Hole for Cable	----- ☒-----	Aboveground Gravity Sanitary Sewer Line	----- A/G Sanitary Sewer-----
Power Transformer	----- ☒-----	*Underground SS Forced Main Line	----- FSS-----
Telephone Pedestal	----- ☒-----	Underground Unknown Utility Line	----- ?UTL-----
CATV Pedestal	----- ☒-----	SUE Test Hole	----- •-----
Gas Valve	----- ◇-----	Water Meter	----- ◯-----
Gas Meter	----- ◇-----	Water Valve	----- ⊗-----
Located Miscellaneous Utility Object	----- ◯-----	Fire Hydrant	----- ◇-----
Abandoned According to Utility Records	----- AATUR-----	Sanitary Sewer Cleanout	----- ⊗-----
End of Information	----- E.O.I.-----		

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

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