

# 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	- + <sup>x</sup>
90 Degree Bend	- +
Plug	-
Tee	- +
Cross	- +
Reducer	- ▶
Gate Valve	-
Butterfly Valve	-
Tapping Valve	-
Line Stop	-
Line Stop with Bypass	-
Blow Off	-
Fire Hydrant	-
Relocate Fire Hydrant	-
Remove Fire Hydrant	-
Water Meter	-
Relocate Water Meter	-
Remove Water Meter	-
Water Pump Station	-
RPZ Backflow Preventer	-
DCV Backflow Preventer	-
Relocate RPZ Backflow Preventer	-
Relocate DCV Backflow Preventer	-

### PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	—
Force Main Sewer Line (Sized as Shown)	—
Manhole (Sized per Note)	- ●
Sewer Pump Station	-

### PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	- ●
Telephone Pole	- ○
Joint Use Pole	- ○
Telephone Pedestal	-
Utility Line by Others (Type as Shown)	—
Trenchless Installation	—
Encasement by Open Cut	—
Encasement	—

Thrust Block	-
Air Release Valve	- ●
Utility Vault	-
Concrete Pier	-
Steel Pier	-
Plan Note	-
Pay Item Note	-

NOTE  
PAY ITEM

### EXISTING UTILITIES SYMBOLS

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.

*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)

SYSTEMS  
 DESIGN  
 GROUP  
 P.C.  
 2012