

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## 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	..... RWM
Remove Water Meter	..... REM WM
Water Pump Station	..... PST(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	..... PST(SS)

### PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	..... 6
Telephone Pole	..... 6
Joint Use Pole	..... 6
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" ENCASEMENT

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	..... PROP U/G POW CABLES
Telephone Pole	..... •	*Underground Telephone Cable	..... PROP U/G TEL CABLES
Joint Use Pole	..... •	*Underground Telephone Conduit	..... PROP U/G TEL CONDUIT
Utility Pole	..... •	*Underground Fiber Optics Telephone Cable	..... PROP U/G TEL & FO CABLES
Utility Pole with Base	..... □	*Underground TV Cable	..... PROP U/G CATV CABLES
H-Frame Pole	..... •	*Underground Fiber Optics TV Cable	..... PROP U/G (FO) CATV CABLES
Power Transmission Line Tower	..... ☒	*Underground Gas Pipeline	..... PROP U/G GAS LINE
Water Manhole	..... 6	Aboveground Gas Pipeline	..... A/G Gds
Power Manhole	..... 6	*Underground Water Line	..... PROP U/G WATER LINE
Telephone Manhole	..... 6	Aboveground Water Line	..... A/G Water
Sanitary Sewer Manhole	..... 6	*Underground Gravity Sanitary Sewer Line	..... SS
Hand Hole for Cable	..... 6	Aboveground Gravity Sanitary Sewer Line	..... A/G Sanitary Sewer
Power Transformer	..... ☒	*Underground SS Forced Main Line	..... PROP U/G FSS LINE
Telephone Pedestal	..... 6	Underground Unknown Utility Line	.....
CATV Pedestal	..... 6	SUE Test Hole	..... 6
Gas Valve	..... ◊	Water Meter	..... 6
Gas Meter	..... ◊	Water Valve	..... 6
Located Miscellaneous Utility Object	..... 6	Fire Hydrant	..... ◊
Abandoned According to Utility Records	..... AATUR	Sanitary Sewer Cleanout	..... 6
End of Information	..... E.O.I.		

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

5/14/99  
 6/18/2025  
 Rd Ext (6/18/2025) Grejlock\_Ridge\_Ext Utilities Engineering\UBD\Proj\Grejlock\_UTL\_UBD-1A.dgn  
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