

# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

## UTILITIES PLAN SHEET SYMBOLS

Prepared in the Office of:

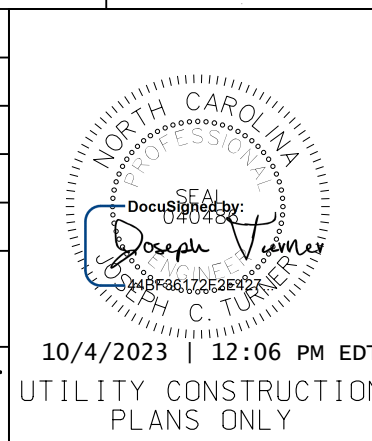


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UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO. **U-5824** SHEET NO. **UC-2**

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10/4/2023 12:06 PM EDT  
UTILITY CONSTRUCTION  
PLANS ONLY

### UTILITY CONSTRUCTION

### PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)		12" WL
11¼ Degree Bend		
22½ Degree Bend		
45 Degree Bend		
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		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		
Telephone Pole		
Joint Use Pole		
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		
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		P
*Underground Telephone Cable		T
*Underground Telephone Conduit		TC
*Underground Fiber Optics Telephone Cable		T FO
*Underground TV Cable		TV
*Underground Fiber Optics TV Cable		TV FO
*Underground Gas Pipeline		G
Aboveground Gas Pipeline		A/G Gas
*Underground Water Line		W
Aboveground Water Line		A/G Water
*Underground Gravity Sanitary Sewer Line		SS
Aboveground Gravity Sanitary Sewer Line		A/G Sanitary Sewer
*Underground SS Forced Main Line		FSS
Underground Unknown Utility Line		?UTL
SUE Test Hole		
Water Meter		
Water Valve		
Fire Hydrant		
Sanitary Sewer Cleanout		

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

DATE: 9/19/2023  
TIME: 3:09:03 PM  
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