

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

PROJECT REFERENCE NO. U-5806	SHEET NO. UC-2
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DESIGNED BY: CMS
DRAWN BY: EES
CHECKED BY: CMS
APPROVED BY:
DATE: 12/08/2016
REVISED:



UTILITIES UNIT
UTILITIES ENGINEERING SECTION

1555 MAIL SERVICES CENTER
RALEIGH NC 27699-1555
PHONE (919) 707-6690
FAX (919) 250-4151

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	----- w -----
111/4 Degree Bend	----- +-----
221/2 Degree Bend	----- +-----
45 Degree Bend	----- +-----
90 Degree Bend	----- +-----
Plug	----- -----
Tee	----- T-----
Cross	----- X-----
Reducer	----- >-----
Gate Valve	----- GV-----
Butterfly Valve	----- BV-----
Tapping Valve	----- TV-----
Line Stop	----- -----
Line Stop with Bypass	----- -----
Blow Off	----- BO-----
Fire Hydrant	----- FH-----
Relocate Fire Hydrant	----- FH-----
Remove Fire Hydrant	----- REM FH-----
Water Meter	----- WM-----
Relocate Water Meter	----- WM-----
Remove Water Meter	----- REM WM-----
Water Pump Station	----- PS(W)-----
RPZ Backflow Preventer	----- PRPZ-----
DCV Backflow Preventer	----- DBFP-----
Relocate RPZ Backflow Preventer	----- PRPZ-----
Relocate DCV Backflow Preventer	----- DBFP-----
PROPOSED ENCASEMENT	----- W-----

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	----- SS -----
Force Main Sewer Line (Sized as Shown)	----- FM -----
Manhole (Sized per Note)	----- (M) -----
Sewer Pump Station	----- PS(SS) -----

PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	----- o-----
Telephone Pole	----- o-----
Joint Use Pole	----- o-----
Telephone Pedestal	----- o-----
Utility Line by Others (Type as Shown)	----- -----
Trenchless Installation	----- W-----
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	----- T-----
Water Manhole	----- (W)-----
Power Manhole	----- (P)-----
Telephone Manhole	----- (T)-----
Sanitary Sewer Manhole	----- (S)-----
Hand Hole for Cable	----- [-----
Power Transformer	----- [-----
Telephone Pedestal	----- [-----
CATV Pedestal	----- [-----
Gas Valve	----- (V)-----
Gas Meter	----- (M)-----
Located Miscellaneous Utility Object	----- (O)-----
Abandoned According to Utility Records	----- AATUR-----
End of Information	----- E.O.I.-----

----- EIP -----	PROPERTY LINE AND IRON PIN
----- R/W -----	PROPOSED RIGHT OF WAY/PERMANENT EASEMENT
----- R/W -----	EXISTING RIGHT OF WAY/PERMANENT EASEMENT
----- -----	WATERWAY/DITCH LINE

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

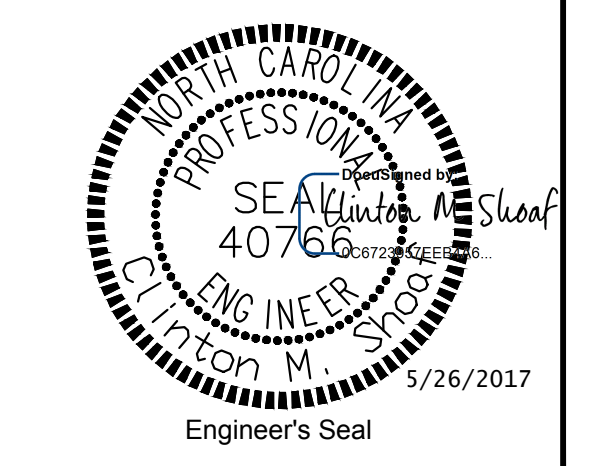
EXISTING UTILITIES SYMBOLS

*Underground Power Line	----- UE -----
*Underground Telephone Cable	----- UT -----
*Underground Telephone Conduit	----- OT -----
*Underground Fiber Optics Telephone Cable	----- FO -----
*Underground TV Cable	----- UTV-----
*Underground Fiber Optics TV Cable	----- -----
*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	----- FM -----
Underground Unknown Utility Line	----- -----
SUE Test Hole	----- (SUE)-----
Water Meter	----- (M)-----
Water Valve	----- (V)-----
Fire Hydrant	----- (FH)-----
Sanitary Sewer Cleanout	----- (SC)-----

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



PREPARED BY
ENGINEERING DEPARTMENT
CITY OF CONCORD
CABARRUS COUNTY
P.O. BOX 308
CONCORD N.C. 28026
(704) 920-5425



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