

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

Kimley»Horn 300 MORRIS STREET, SUITE 200 DURHAM, NC 27701	PROJECT REFERENCE NO. R-5930A	SHEET NO. UC-2
	DESIGNED BY: NLH	
DRAWN BY: JNB		
CHECKED BY: NDR		
APPROVED BY: NLH		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		UTILITY CONSTRUCTION PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		

UTILITIES PLAN SHEET SYMBOLS

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	_____ _____
Butterfly Valve	_____ _____
Tapping Valve	_____ _____
Line Stop	_____ _____
Line Stop with Bypass	_____ _____
Blow Off	_____ _____
Fire Hydrant	_____ _____
Relocate Fire Hydrant	_____ _____
Remove Fire Hydrant	_____ REM FH _____
Water Meter	_____ _____
Relocate Water Meter	_____ _____
Remove Water Meter	_____ REM WM _____
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)	_____ 12" SS _____
Force Main Sewer Line (Sized as Shown)	_____ 12" FSS _____
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)	_____ 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	_____ _____
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	_____ 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	_____ ?UL _____
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) _____