5/14/99

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CH ENGINEERING
3220 GLEN ROYAL RD. RALEIGH, NC 27617
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NC LICENSE #P-0189

PROJECT REFERENCE NO.	SHEET NO.
SS-4905BI	UC-2

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

- Water Line (Sized as Shown)
- 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 (PBPZ)
- DCV Backflow Preventer (PBFP)
- Relocate RPZ Backflow Preventer (RBPZ)
- Relocate DCV Backflow Preventer (RBFP)

PROPOSED SEWER SYMBOLS

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

PROPOSED MISCELLANOUS UTILITIES SYMBOLS

- Power Pole
- Telephone Pole
- Joint Use Pole
- Telephone Pedestal (TEL PED)
- Utility Line by Others (Type as Shown)
- Trenchless Installation
- Encasement by Open Cut
- 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
- *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)

REV: 2/1/2012