

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

*S.U.E = SUBSURFACE UTILITY ENGINEER

CONVENTIONAL SYMBOLS

ROADS & RELATED ITEMS

Edge of Pavement	----
Curb	----
Prop. Slope Stakes Cut	C
Prop. Slope Stakes Fill	F
Prop. Woven Wire Fence	○—○
Prop. Chain Link Fence	□—□
Prop. Barbed Wire Fence	◇—◇
Prop. Wheelchair Ramp	WCF
Curb Cut for Future Wheelchair Ramp	CCFR
Exist. Guardrail	—+—+—+—+—
Prop. Guardrail	—+—+—+—+—
Equality Symbol	⊕
Pavement Removal	▨

RIGHT OF WAY

Baseline Control Point	◆
Existing Right of Way Marker	△
Exist. Right of Way Line w/Marker	—△—
Prop. Right of Way Line with Proposed	—▲—
R/W Marker (Iron Pin & Cap)	▲
Prop. Right of Way Line with Proposed	—▲—
(Concrete or Granite) R/W Marker	⊙
Exist. Control of Access Line	⊙
Prop. Control of Access Line	⊙
Exist. Easement Line	—E—
Prop. Temp. Construction Easement Line	—E—
Prop. Temp. Drainage Easement Line	—TDE—
Prop. Perm. Drainage Easement Line	—PDE—

HYDROLOGY

Stream or Body of Water	—
River Basin Buffer	—RBB—
Flow Arrow	→
Disappearing Stream	—
Spring	⊕
Swamp Marsh	—
Shoreline	—
Falls, Rapids	—
Prop Lateral, Tail, Head Ditches	—

STRUCTURES

MAJOR	
Bridge, Tunnel, or Box Culvert	—CONC—
Bridge Wing Wall, Head Wall and End Wall	—CONC WW—

MINOR	
Head & End Wall	—CONC HW—
Pipe Culvert	—
Footbridge	—
Drainage Boxes	—CB—
Paved Ditch Gutter	—

UTILITIES

Exist. Pole	•
Exist. Power Pole	○
Prop. Power Pole	○
Exist. Telephone Pole	○
Prop. Telephone Pole	○
Exist. Joint Use Pole	+
Prop. Joint Use Pole	+
Telephone Pedestal	⊕
U/G Telephone Cable Hand Hold	⊕
Cable TV Pedestal	⊕
U/G TV Cable Hand Hold	⊕
U/G Power Cable Hand Hold	⊕
Hydrant	⊕
Satellite Dish	⊕
Exist. Water Valve	⊕
Sewer Clean Out	⊕
Power Manhole	⊕
Telephone Booth	⊕
Cellular Telephone Tower	⊕
Water Manhole	⊕
Light Pole	⊕
H-Frame Pole	⊕
Power Line Tower	⊕
Pole with Base	⊕
Gas Valve	⊕
Gas Meter	⊕
Telephone Manhole	⊕
Power Transformer	⊕
Sanitary Sewer Manhole	⊕
Storm Sewer Manhole	⊕
Tank; Water, Gas, Oil	⊕
Water Tank With Legs	⊕
Traffic Signal Junction Box	⊕
Fiber Optic Splice Box	⊕
Television or Radio Tower	⊕
Utility Power Line Connects to Traffic Signal Lines Cut Into the Pavement	—TS—

Recorded Water Line	—W—W—
Designated Water Line (S.U.E.*)	—W—W—
Sanitary Sewer	—SS—SS—
Recorded Sanitary Sewer Force Main	—FSS—FSS—
Designated Sanitary Sewer Force Main(S.U.E.*)	—FSS—FSS—
Recorded Gas Line	—G—G—
Designated Gas Line (S.U.E.*)	—G—G—
Storm Sewer	—S—S—
Recorded Power Line	—P—P—
Designated Power Line (S.U.E.*)	—P—P—
Recorded Telephone Cable	—T—T—
Designated Telephone Cable (S.U.E.*)	—T—T—
Recorded U/G Telephone Conduit	—TC—TC—
Designated U/G Telephone Conduit (S.U.E.*)	—TC—TC—
Unknown Utility (S.U.E.*)	—?UTL—?UTL—
Recorded Television Cable	—TV—TV—
Designated Television Cable (S.U.E.*)	—TV—TV—
Recorded Fiber Optics Cable	—FO—FO—
Designated Fiber Optics Cable (S.U.E.*)	—FO—FO—
Exist. Water Meter	⊕
U/G Test Hole (S.U.E.*)	⊕
Abandoned According to U/G Record	ATTUR
End of Information	E.O.I.

BOUNDARIES & PROPERTIES

State Line	—
County Line	—
Township Line	—
City Line	—
Reservation Line	—
Property Line	—
Property Line Symbol	⊕
Exist. Iron Pin	⊕
Property Corner	+
Property Monument	⊕
Property Number	⊕
Parcel Number	⊕
Fence Line	—X—X—X—
Existing Wetland Boundaries	—WW & ISBW—
High Quality Wetland Boundary	—WLB—
Medium Quality Wetland Boundaries	—MQ WLB—
Low Quality Wetland Boundaries	—LQ WLB—
Proposed Wetland Boundaries	—WLB—
Existing Endangered Animal Boundaries	—EAB—
Existing Endangered Plant Boundaries	—EPB—

BUILDINGS & OTHER CULTURE

Buildings	—
Foundations	—
Area Outline	—
Gate	—
Gas Pump Vent or U/G Tank Cap	⊕
Church	—
School	—
Park	—
Cemetery	—
Dam	—
Sign	⊕
Well	⊕
Small Mine	⊕
Swimming Pool	—

TOPOGRAPHY

Loose Surface	—
Hard Surface	—
Change in Road Surface	—
Curb	—
Right of Way Symbol	R/W
Guard Post	⊕
Paved Walk	—
Bridge	—
Box Culvert or Tunnel	—
Ferry	—
Culvert	—
Footbridge	—
Trail, Footpath	—
Light House	⊕

VEGETATION

Single Tree	⊕
Single Shrub	⊕
Hedge	—
Woods Line	—
Orchard	—
Vineyard	—

RAILROADS

Standard Gauge	—
RR Signal Milepost	⊕
Switch	⊕

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