

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

W RALPH WHITEHEAD ASSOCIATES
CONSULTING ENGINEERS
P.O. BOX 56534
CHARLOTTE, NORTH CAROLINA 28255

PROJECT REFERENCE NO.
37613, ETC.

SHEET NO.
1-B

*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	WCR
Curb Cut for Future Wheelchair Ramp	CCFR
Exist. Guardrail	—+—+—+—+—
Prop. Guardrail	—+—+—+—+—
Exist. Cable Guiderail	—+—+—+—+—
Prop. Cable Guiderail	—+—+—+—+—
Equality Symbol	⊕
Pavement Removal	XXXXXX

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	~~~~~
Flow Arrow	→
Disappearing Stream	—Y—
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	—X—X—X—X—
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	⊕
Cable TV Pedestal	⊕
Hydrant	⊕
Satellite Dish	⊕
Exist. Water Valve	⊕
Sewer Clean Out	⊕
Power Manhole	⊕
Telephone Booth	⊕
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—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—X—
Existing Wetland Boundaries	—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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