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PROJECT: B-4916

1250

1241

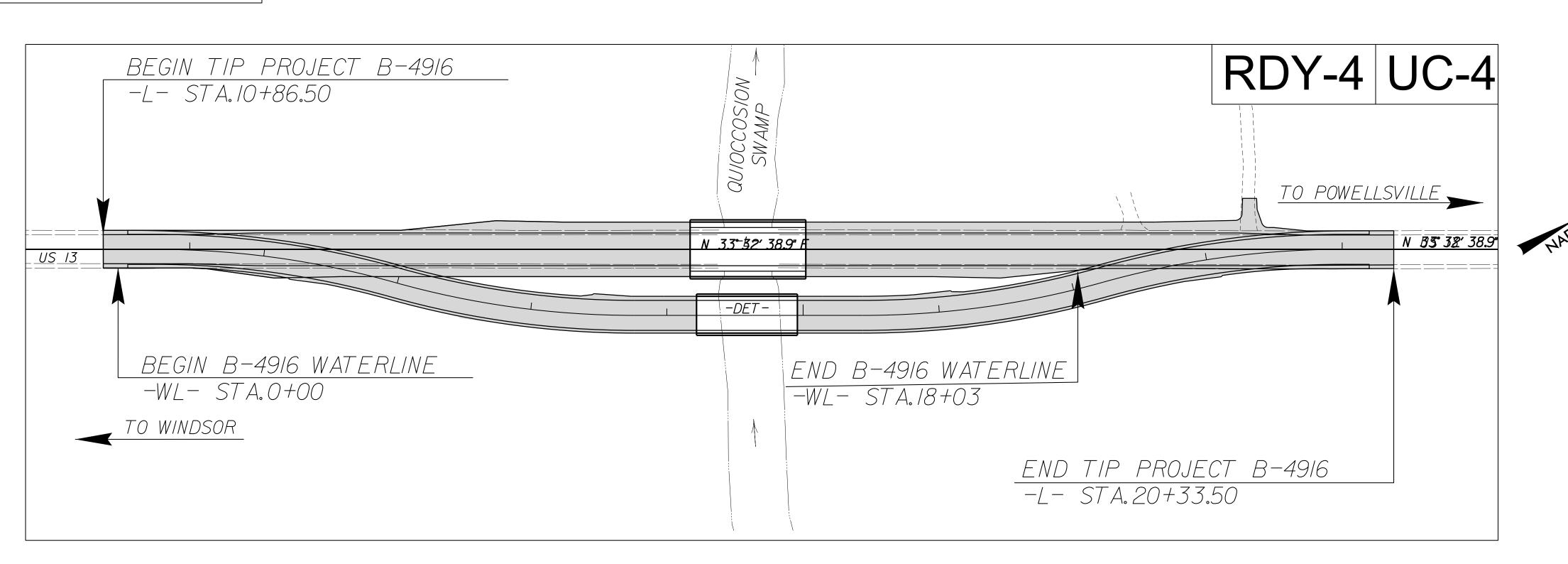
1242

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS T.I.P. NO. SHEET NO. B-4916 UC-1

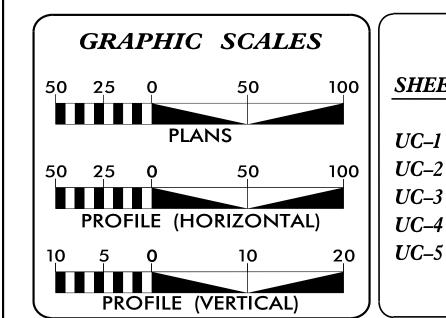
UTILITY CONSTRUCTION PLANS BERTIE COUNTY

LOCATION: BRIDGE NO. 57 OVER QUIOCCOSION SWAMP ON US 13

TYPE OF WORK: REPLACEMENT OF WATER LINE



DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED



INDEX OF SHEETS SHEET NO.: DESCRIPTION:

1315

1313

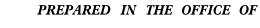
VICINITY MAP

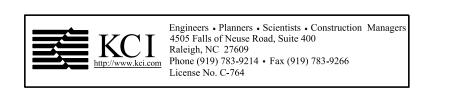
UC TITLE SHEET
UTILITY SYMBOLOGY SHEET
UC NOTES SHEET
UC PLAN SHEET

UC PROFILE SHEET

WATER AND SEWER
OWNERS ON PROJECT

BERTIE COUNTY REGIONAL WATER
106 DUNDEE STREET, SUITE 101
P.O. BOX 487
WINDSOR, NC 27983

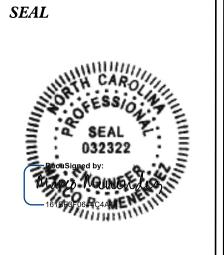




PROJECT DESIGNER

MARCOMENENDEZ, P.E.PROJECT ENGINEERMARCOMENENDEZ, P.E.PROJECT MANAGER

ANGELICA PURA





DIVISION OF HIGHWAYS UTILITIES UNIT 1555 MAIL SERVICES CENTER RALEIGH NC 27699-1555 PHONE (919) 707-6690 FAX (919) 250-4151

NABIL HAMDAN
KELVIN MARTIN
KYLE PLEASANT

AMDAN UTILITIES REGIONAL ENGINEER

MARTIN UTILITIES ENGINEER

EASANT UTILITIES AREA COORDINATOR

DAYTON MARTIN UTILITIES COORDINATOR

3/7/2019

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PROJECT REFERENCE NO. SHEET NO. B-4916 UC-2

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown) 111⁄4 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 Water Meter Relocate Water Meter Remove Water Meter Water Pump Station RPZ Backflow Preventer DCV Backflow Preventer Relocate RPZ Backflow Preventer Relocate DCV Backflow Preventer

PROPOSED MISCELLANOUS UTILITIES SYMBOLS

ower Pole ····································	Thrust Block
elephone Pole	Air Release Valve
oint Use Pole ····································	Utility Vault
Telephone Pedestal ····································	Concrete Pier
Itility Line by Others Type as Shown)	Steel Pier
renchless Installation	Plan Note
incasement by Open Cut	Pay Item Note
ncasement	PAY ITEM

EXISTING UTILITIES SYMBOLS

	LAIOIING OILLI	TILO OTMIDOLO
Power Pole	•	*Underground Power Line
Telephone Pole	-	*Underground Telephone Cable
Joint Use Pole	→	*Underground Telephone Conduit
Utility Pole	•	*Underground Fiber Optics Telephone Cable
Utility Pole with Base		*Underground TV Cable
H-Frame Pole	•—•	*Underground Fiber Optics TV Cable
Power Transmission Line Tower		*Underground Gas Pipeline
Water Manhole	Θ	Aboveground Gas Pipeline
Power Manhole	®	*Underground Water Line
Telephone Manhole	\odot	Aboveground Water Line
Sanitary Sewer Manhole		*Underground Gravity Sanitary Sewer Line
Hand Hole for Cable	H _H	Aboveground Gravity Sanitary Sewer Line A/G Sanitary Sewer
Power Transformer		*Underground SS Forced Main Line
Telephone Pedestal		Underground Unknown Utility Line
CATV Pedestal		SUE Test Hole
Gas Valve	♦	Water Meter
Gas Meter	\rightarrow	Water Valve ····································
Located Miscellaneous Utility Object	\odot	Fire Hydrant
Abandoned According to Utility Records	AATUR	Sanitary Sewer Cleanout ⊕
End of Information	E.O.I.	

*For Existing Utilit	ties
Utility Line Drawn (Type as Shown)	from Record
Designated Utility (Type as Shown)	Line

REV: 2/1/2012

UTILITY CONSTRUCTION

GENERAL NOTES:

- 1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES" DATED JANUARY 2018.
- 2. THE EXISTING UTILITIES BELONG TO BERTIE COUNTY.
- 3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
- 4. THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.
- 5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

- 6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.
- 8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY.
- 9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, "SUBMITTALS AND RECORDS" IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

- 1. CONTRACTOR'S ATTENTION IS DIRECTED TO SECTIONS 102, 107, AND 1550 OF THE STANDARD SPECIFICATIONS CONCERNING TRENCHLESS INSTALLATION. IT IS CONTRACTOR'S RESPONSIBILITY TO HAVE BORE DESIGNED AND SEALED BY A LICENSED NORTH CAROLINA PROFESSIONAL ENGINEER. NO DAMAGE IS ALLOWED TO RIVER, WETLANDS, OR BUFFER ZONES.
- 2. IF HDPE PIPE IS INSTALLED BY DIRECTIONAL DRILL. IT SHALL BE FILLED WITH WATER AND NOT BE CONNECTED TO ANY OTHER PIPE OR FITTINGS FOR ONE WEEK FROM THE TIME OF INSTALLATION.

PROJECT REFERENCE NO. SHEET NO. B-4916 UC-3 DESIGNED BY: MM DRAWN BY: CFESSION I CHECKED BY: MM SEAL F APPROVED BY: 032322 REVISED: NORTH CAROLINA DEPARTMENT OF TRANSPORTATION UTILITIES ENGINEERING SEC PHONE: (919)707-6690 FAX: (919)250-4151 Raleigh, NC 27609

UTILITY CONSTRUCTION

NAD 83/2001

PROJECT REFERENCE NO. SHEET NO.

B-4916

DESIGNED BY: MM

DRAWN BY: AP

CHECKED BY: MM

APPROVED BY:

REVISED:

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION

UTILITIES ENGINEERING SEC.
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