This electronic collection of documents is provided for the convenience of the user and is Not a Certified Document –

The documents contained herein were originally issued and sealed by the individuals whose names and license numbers appear on each page, on the dates appearing with their signature on that page.

This file or an individual page shall not be considered a certified document.

See Sheet UC-1 For Index of Sheets See Sheet UC-2 For Standard Symbology Sheet

BEGIN PROJECT

• • DETOUR

END PROJECT

VICINITY MAP

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

17BP.14.R.154

PROJECT WBS NO.

SHEET NO.

UC-1

UTILITY CONSTRUCTION PLANS MACON COUNTY

LOCATION: BRIDGE #314 OVER CARTOOGECHAYE CREEK ON SR 1152 (BELDEN CIR)

TYPE OF WORK: SANITARY SEWER RELOCATION

-Y-10+50.00

BEGIN BRIDGE _L_ STA. 14 + 42.84

BEGIN CONSTRUCTION





END PROJECT TIP 17BP.14.R.154

-L-STA.16+55.00

BEGIN PROJECT TIP 17BP.14.R.154 -L-STA.13+05.00

UC-4

DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

GRAPHIC SCALES PROFILE (HORIZONTAL) PROFILE (VERTICAL)

INDEX OF SHEETS **DESCRIPTION:** SHEET NO.:

N.T.S.

TITLE SHEET UTILITY SYMBOLOGY NOTES AND DETAILS UTILITY CONSTRUCTION SHEET

WATER AND SEWER OWNERS ON PROJECT

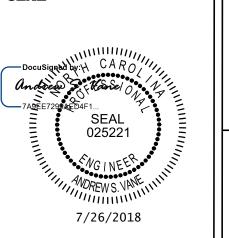
(A) SANITARY SEWER - TOWN OF FRANKLIN



END BRIDGE

-L- STA. 15 + 45.16

NIKKI T. HONEYCUTT, PE PROJECT ENGINEER ANDREW VANE, PE PROJECT DESIGN ENGINEER





DIVISION OF HIGHWAYS UTILITIES UNIT 1555 MAIL SERVICES CENTER RALEIGH NC 27699–1555 PHONE (919) 707–6690

FAX (919) 250-4151

CARL BARCLAY BOB GOLDING

UTILITIES REGIONAL ENGINEER UTILITIES ENGINEER UTILITIES AREA COORDINATOR

AMY DUPREE BOB GOLDING

UTILITIES COORDINATOR

DocuSign Envelope ID: D8E5D651-7488-4110-A5F7-07AE8963ADF6

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.154	UC-2
STV 100 ST Pears Char	V Engineers, Inc. West Trade St., Suite 71 lotte, NC 28202

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 ----Cross-Reducer Gate Valve Butterfly Valve Tapping Valve Line Stop Line Stop with Bypass Fire Hydrant --Relocate Fire Hydrant REM FH Remove Fire Hydrant Water Meter Relocate Water Meter REM WM Remove Water Meter-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) Force Main Sewer Line (Sized as Shown) Manhole

PROPOSED MISCELLANOUS UTILITIES SYMBOLS

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

Thrust Block	I
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	W
Power Manhole	P
Telephone Manhole	\bigcirc
Sanitary Sewer Manhole	(b)
Hand Hole for Cable	HH
Power Transformer	M
Telephone Pedestal	T
CATV Pedestal	C
Gas Valve	\Diamond
Gas Meter	\Diamond
Located Miscellaneous Utility Object	\odot
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

*Underground Power Li	ine				
*Underground Telephor	ne Cable				
*Underground Telephor	ne Conduit				
*Underground Fiber Op	otics Telephone Cable -				
*Underground TV Cable	9				
*Underground Fiber Op	otics TV Cable				
*Underground Gas Pipe	eline				
Aboveground Gas Pipe	eline	A/G Gas			
*Underground Water Li	ine				
Aboveground Water Li	ine	A/G Water			
*Underground Gravity	Sanitary Sewer Line				
Aboveground Gravity	Sanitary Sewer Line	A/G Sanitary Sewer			
*Underground SS Force	ed Main Line				
Underground Unknown	Utility Line				
SUE Test Hole					
Water Meter		0			
Water Valve	\otimes				
Fire Hydrant	-				
Sanitary Sewer Clear	\oplus				

REV: 2/1/2012

(Sized per Note)

Sewer Pump Station

UTILITY CONSTRUCTION



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

17BP.14.R.154

DESIGNED BY: CTH

DRAWN BY: CTH

CHECKED BY: ASV

APPROVED BY:

REVISED:

NORTH CAROLINA
DEPARTMENT OF
TRANSPORTATION

UTILITIES ENGINEERING SEC.
PHONE: (919)707-6690
FAX: (919)250-4151

UC-3

DOCUMNIC OF TO AROLINA
MOREWS NAME OF TO AROLINA
DEPARTMENT OF TRANSPORTATION

UTILITY CONSTRUCTION
PLANS ONLY

SHEET NO.

PROJECT REFERENCE NO.

UTILITY CONSTRUCTION

GENERAL NOTES: PROJECT SPECIFIC 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 THE TOWN OF FRANKLIN.
- 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.

- 1. PROPOSED GRAVITY SANITARY SEWER LINE FROM -SS1- LINE STATION 0+00 TO -SS1- LINE STATION 1+84 SHALL BE DUCTILE IRON PIPE.
- 2. TEMPORARY SANITARY SEWER BYPASS PUMPING SHALL BE REQUIRED. SEE SPECIAL PROVISIONS.
- 3. SEWER LATERALS SHALL BE INSTALLED WITH MINIMUM 1% SLOPE.
- 4. PRIOR TO SHUTDOWN, NOTIFY TOWN OF FRANKLIN PUBLIC WORKS DIRECTOR JAY GIBSON AT (828) 421-2002 MINIMUM 48-HOURS IN ADVANCE.

LIST OF STANDARD DRAWINGS

1520.01 SEWER CLEAN OUT

1525.06 PRECAST CONCRETE SANITARY
SEWER MANHOLE WITH
CAST-IN-PLACE BOTTOM

