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# STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJECT REFERENCE	NO.	SHEET NO.
BR-0017		UC-2
SIGNED BY: · LES		
RAWN BY: · LHJ		HINTH CAROLANA
HECKED BY: · DET	pacus grecipe SS /Oj	
PROVED BY: DET		
EVI SED:		**************************************
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		043292 MG INE E
TILITIES ENGINEERING SEC. HONE: (919)707-6690 AX: (919)250-4151	UTILI	TY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETE

Designated Utility Line

(Type as Shown)

# UTILITIES PLAN SHEET SYMBOLS

#### PROPOSED WATER SYMBOLS PROPOSED MISCELLANOUS UTILITIES SYMBOLS Power Pole Water Line (Sized as Shown) Thrust Block Telephone Pole Air Release Valve 11¼ Degree Bend 22½ Degree Bend Utility Vault Joint Use Pole 45 Degree Bend Telephone Pedestal Concrete Pier Utility Line by Others (Type as Shown) 90 Degree Bend Steel Pier Trenchless Installation Plan Note Encasement by Open Cut Pay Item Note Encasement Cross Reducer EXISTING UTILITIES SYMBOLS Gate Valve Power Pole Butterfly Valve \*Underground Power Line \*Underground Telephone Cable Tapping Valve Telephone Pole \*Underground Telephone Conduit Line Stop Joint Use Pole Utility Pole .... Line Stop with Bypass \*Underground Fiber Optics Telephone Cable -Utility Pole with Base ..... \*Underground TV Cable... Blow Off ... H-Frame Pole ..... \*Underground Fiber Optics TV Cable ..... Fire Hydrant ..... Power Transmission Line Tower ..... Relocate Fire Hydrant \*Underground Gas Pipeline Remove Fire Hydrant Aboveground Gas Pipeline ..... Water Manhole \*Underground Water Line .... Power Manhole ... Water Meter .. Aboveground Water Line ..... Telephone Manhole ...... Relocate Water Meter REM WM \*Underground Gravity Sanitary Sewer Line --------ss---------Sanitary Sewer Manhole ..... Remove Water Meter Aboveground Gravity Sanitary Sewer Line -- A/G Sanitary Sewer Water Pump Station - PS(W) Hand Hole for Cable. RPZ Backflow Preventer Power Transformer ... Underground Unknown Utility Line ..... DCV Backflow Preventer Telephone Pedestal .... Relocate RPZ Backflow Preventer CATV Pedestal .... SUE Test Hole ..... Relocate DCV Backflow Preventer Gas Valve ..... Water Meter ..... Gas Meter .... Water Valve ..... PROPOSED SEWER SYMBOLS Located Miscellaneous Utility Object ..... o Fire Hydrant ..... Gravity Sewer Line Sanitary Sewer Cleanout ..... ⊕ Abandoned According to Utility Records ... AATUR (Sized as Shown) Force Main Sewer Line E.O.I. End of Information ... (Sized as Shown) Manhole (Sized per Note) \*For Existing Utilities Sewer Pump Station Utility Line Drawn from Record .. (Type as Shown)

## **UTILITY CONSTRUCTION**

PROJECT REFERENCE	NO.	SHEET NO.
BR:-0017		UC-3
ESIGNED BY: · LES		
RAWN BY: · LHJ	Doscustore & Box 101	
HECKED BY: · DET		
PPROVED BY: · DET		
EVISED:		DBE67/G7/2/G07/867-2
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	T.	P. F. THIRITIES
TILITIES ENGINEERING SEC.		5/7/2021
HONE: (919)707-6690 AX: (919)250-4151	UTILI	TY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

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#### **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 THE TOWN OF WALLACE.
- 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.
- 2. EXISTING CONDITIONS SURVEY AND PROPOSED HIGHWAY PLANS PROVIDED TO STROUD ENGINEERING BY NCDOT.
- 3. THRUST COLLARS ON EXISTING UTILITIES ARE TO BE INSTALLED AND CURED PRIOR TO CONNECTION OF NEW UTILITIES TO EXISTING UTILITIES.
- 4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE SHUTDOWN OF EXISTING WATER AND SANITARY SEWER LINES WITH THE TOWN OF WALLACE AND HAVING ADEQUATE STAFF AND MATERIALS TO COMPLETE CONNECTIONS DURING THE SPECIFIED SHUTDOWN.





