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.

VICINITY MAP

OFF-SITE DETOUR

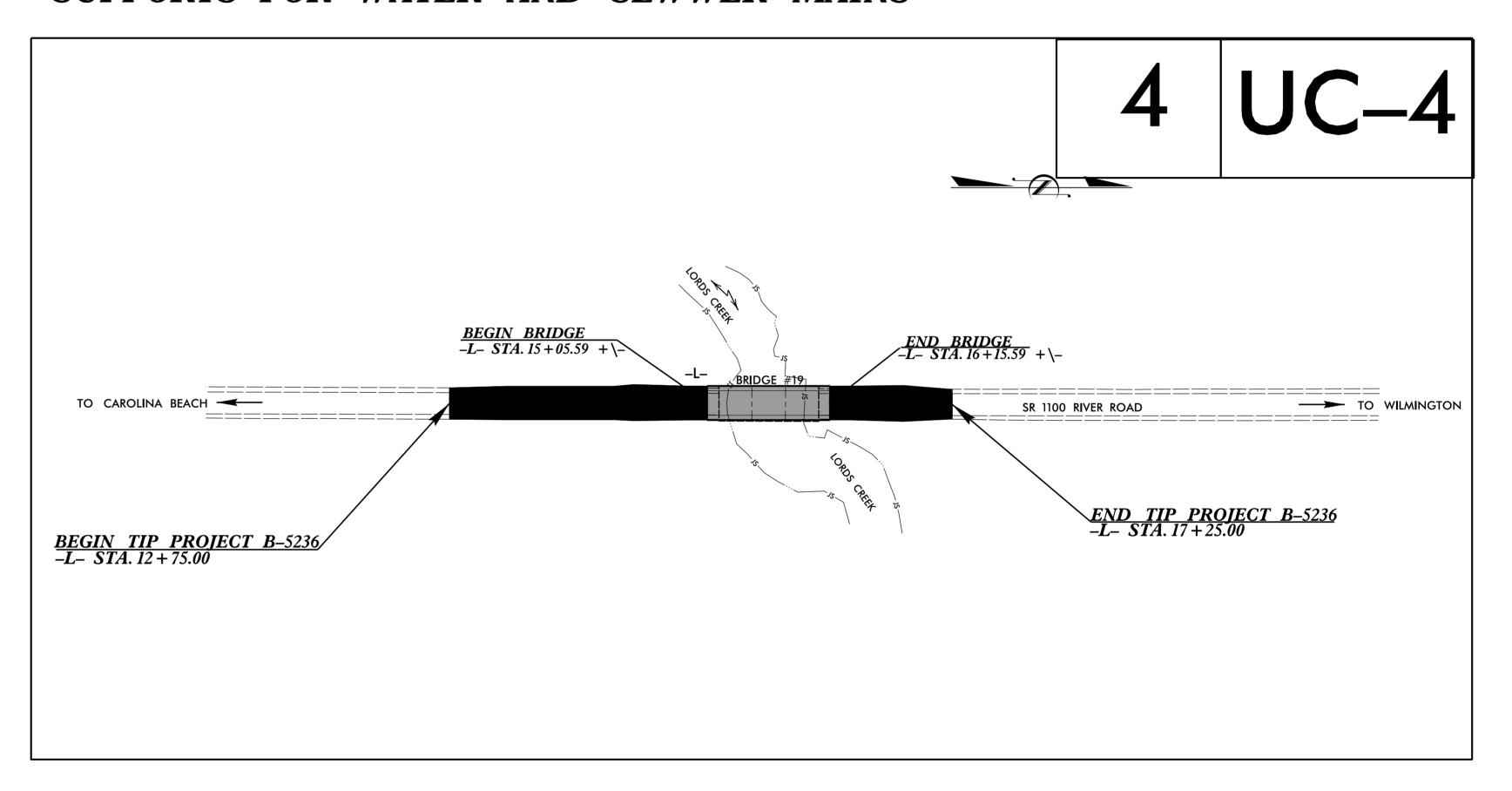
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS NEW HANOVER COUNTY

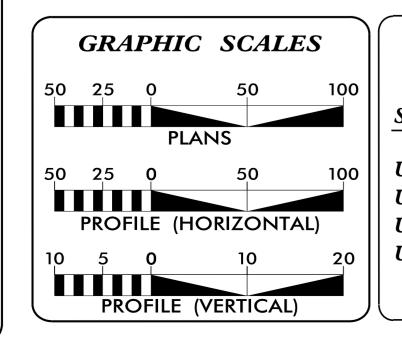
LOCATION: BRIDGE 19 OVER LORDS CREEK ON SR 1100 TYPE OF WORK: REMOVAL AND DISPOSAL OF EXISTING SUPPORTS FOR WATER AND SEWWER MAINS







DOCUMENT NOT CONSIDERED FINAL UNTIL ALL SIGNATURES ARE COMPLETED

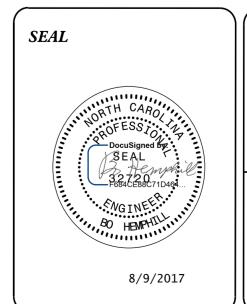


INDEX OF SHEETS

SHEET NO.: **DESCRIPTION:** *UC–1* TITLE SHEET UTILITY SYMBOLOGY **NOTES** *UC–4* UTILITY CONSTRUCTION SHEET

WATER AND SEWER OWNERS ON PROJECT

AQUA INC. (A) WATER (B) FORCE MAIN SEWER AQUA INC.





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

KYLE PLEASANT UTILITIES AREA COORDINATOR

BO HEMPHILL P.E. UTILITIES REGIONAL ENGINEER KELVIN MARTIN UTILITIES ENGINEER

<u>DAYTON MARTIN</u> UTILITIES COORDINATOR

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 -----Gate Valve----Butterfly Valve -----Tapping Valve ----Line Stop Line Stop with Bypass -----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 SEWER SYMBOLS Gravity Sewer Line (Sized as Shown)

Force Main Sewer Line

(Sized as Shown)

(Sized per Note)

Sewer Pump Station -

Manhole

PROPOSED MISCELLANOUS UTILITIES SYMBOLS

Power Pole	6
Telephone Pole	-0-
Joint Use Pole	- 6 -
Telephone Pedestal	TEL PED O
Utility Line by Others (Type as Shown)	PROP O/H POW LINES
Trenchless Installation	12" TL INSTALL
Encasement by Open Cut	24" ENCAS BY OC
Encasement	24" ENCASEMENT

Thrust Block	I
Air Release Valve	AR •
Utility Vault	UV
Concrete Pier	CP.
Steel Pier	SP
Plan Note	
Pay Item Note	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	\boxtimes
Water Manhole	W
Power Manhole	P
Telephone Manhole	1
Sanitary Sewer Manhole	(
Hand Hole for Cable	ны
Power Transformer	M
Telephone Pedestal	T
CATV Pedestal	
Gas Valve	♦
Gas Meter	\Diamond
Located Miscellaneous Utility Object	\odot
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

*Underground Power Line	
*Underground Telephone Cable	
*Underground Telephone Conduit	
*Underground Fiber Optics Telephone Cable	
*Underground TV Cable	
*Underground Fiber Optics TV Cable	
*Underground Gas Pipeline	
Aboveground Gas Pipeline	A/G Gas
*Underground Water Line	
Aboveground Water Line	A/G Water
*Underground Gravity Sanitary Sewer Line-	SS
Aboveground Gravity Sanitary Sewer Line-	A/G Sanitary Sewer
*Underground SS Forced Main Line	
Underground Unknown Utility Line	
Underground Unknown Utility Line	
SUE Test Hole	
SUE Test Hole	▼

UTILITY CONSTRUCTION

GENERAL NOTES:

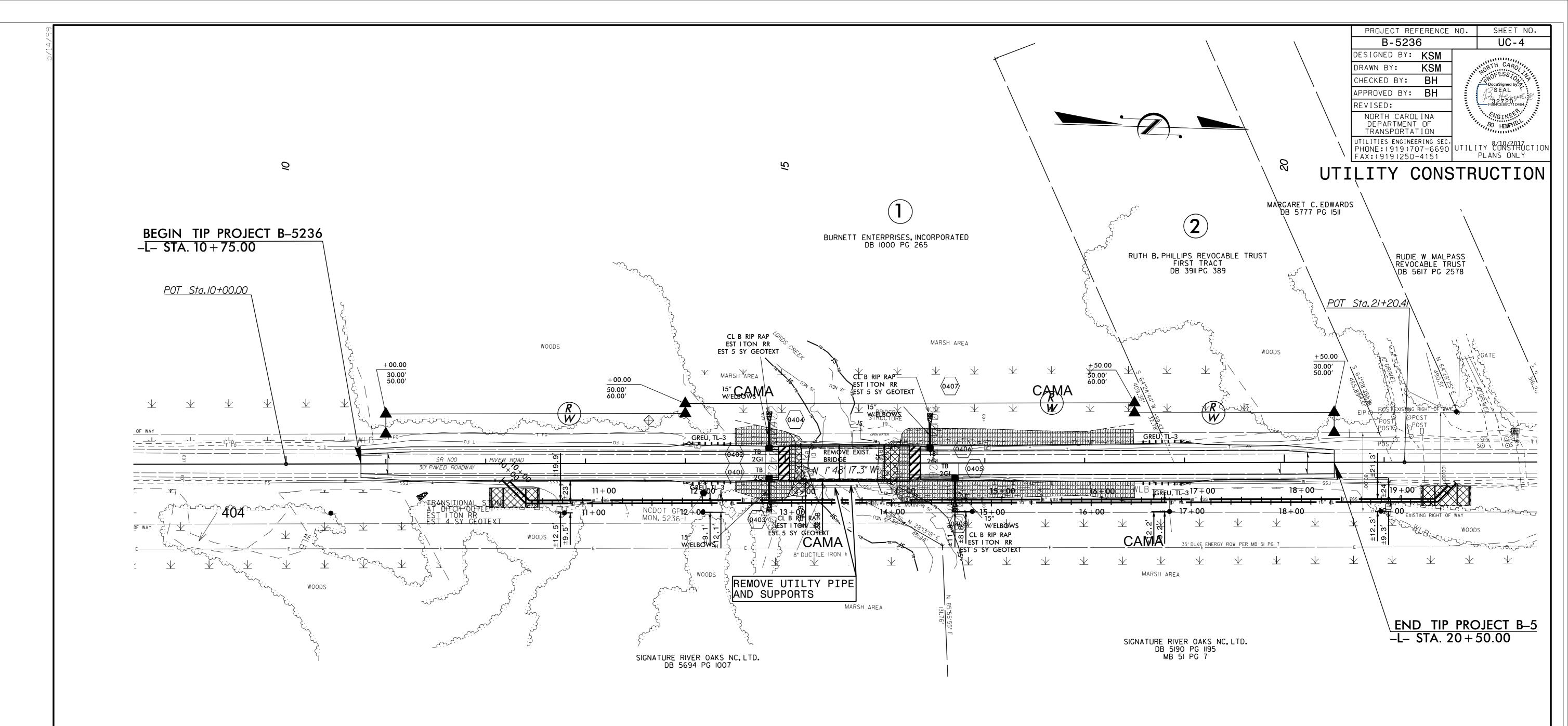
- 1. THE PROPOSED UTILITY CONSTRUCTION
 SHALL MEET THE APPLICABLE REQUIREMENTS
 OF THE NC DEPARTMENT OF
 TRANSPORTATION'S "STANDARD
 SPECIFICATIONS FOR ROADS AND
 STRUCTURES" DATED JANUARY 2012.
- 2. THE EXISTING UTILITIES BELONG TO AQUA INC.
- 3. ALL WATER LINES TO BE INSTALLED
 WITHIN COMPLIANCE OF 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 REFERENCE	NO.	SHEET NO.
B-5236		UC-3
DESIGNED BY: KSM		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
DRAWN BY: KSM	,,,	NORTH CARO
CHECKED BY: BH	, ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	POFESS DOCUSIGNED BY
APPROVED BY: BH		BSEAL STEMPHIL
REVISED:	711111111	F684CE88C71D464
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	1000	WGINEF!
UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151	UTILI	TY &6NSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED