ALL WORK PERFORMED WITHIN NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RIGHTS-OF-WAY SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE NCDOT CONSTRUCTION AND MAINTENANCE OPERATIONS SUPPLEMENT TO THE MANUAL OR UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING THE WORK AND ADHERING TO THE RIGHT-OF-WAY ENCROACHMENT CONTRACT SPECIAL

CONSTRUCTION NOTES:

CONSTRUCTION BEGINS.

MADE AT DUCTILE IRON PRICES.

SCHEDULED TESTING.

PROVISIONS.

THE CONTRACTOR SHALL CONTACT THE POWER CO., GAS CO.,

PIPE SEPARATION: THE FOLLOWING MINIMUM PIPE SEPARATION

BETWEEN CROSSING OF SANITARY SEWER AND STORM SEWERS,

SEWER (INCLUDING FORCE MAINS) AND WATER MAINS, OR 10

SEPARATIONS CANNOT BE MAINTAINED, DUCTILE IRON PIPE WILL

ENTIRE LENGTH OF LINE LESS THAN 10 HORIZONTAL FEET FROM

AND TELEPHONE CO. FOR THE EXACT LOCATION OF ALL

WILL BE MAINTAINED: 18 INCHES VERTICAL SEPARATION

18 INCHES VERTICAL SEPARATION BETWEEN CROSSING OF

FEET HORIZONTAL SEPARATION BETWEEN SANITARY SEWER

(INCLUDING FORCE MAINS) AND WATER MAINS. IF THESE

BE USED 10 FEET EITHER SIDE OF CROSSING AND ALONG

WATER MAINS. THE CONTRACTOR SHALL RECEIVE APPROVAL

FROM THE ENGINEER IN THE FIELD BEFORE PAYMENT WILL BE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND

PROTECTING ALL EXISTING WATER SERVICE CONNECTIONS

ADDITIONAL COST TO THE OWNER. IN THE EVENT OF A

IMMEDIATELY NOTIFY THE OWNER AND BEGIN REPAIRS.

DURING CONSTRUCTION. ANY DAMAGE WHICH OCCURS AS A

RESULT OF THE CONSTRUCTION SHALL BE REPAIRED AT NO

TEMPORARY SERVICE INTERRUPTION, THE CONTRACTOR SHALL

ALL PIPING FOR PRESSURE MAINS SHALL BE PRESSURE TESTED.

GRAVITY LINES SHALL BE AIR TESTED, AND MANHOLES SHALL

BE VACUUM TESTED, ALL IN ACCORDANCE WITH THE DETAILED

SPECIFICATIONS AND SPECIAL PROVISIONS. THE CONTRACTOR

SHALL NOTIFY THE ENGINEER 24 HOURS IN ADVANCE OF ALL

UNDERGROUND MAINS, CABLES, OR LINES BEFORE

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER TO ACCURATELY DETERMINE THE LOCATION OF EXISTING WATER MAINS AND SEWER LINES WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL TAKE ADDITIONAL CAUTION IN EXCAVATING AROUND THE SERVICE LINES AND MAINS WHILE WORKING WITHIN THIS PROJECT. ANY DAMAGE TO THE MAINS OR SERVICE LINES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE AND REPLACE EXISTING CULVERTS AND DRAINAGE STRUCTURES AS NECESSARY DURING THE CONSTRUCTION OF THE UTILITY LINES. ANY DAMAGE TO THE CULVERTS SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. SPECIAL CIRCUMSTANCES (I.E. UNREINFORCED CONCRETE PIPE) SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY IN ORDER TO RECEIVE ANY NECESSARY GUIDANCE.
- THE CONTRACTOR IS INSTRUCTED TO CONTROL SEDIMENTATION RUNOFF BY METHODS APPROVED BY THE ENGINEERS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR IS REMINDED THAT ALL WORK SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE RULES AND REGULATIONS OF EROSION AND SEDIMENT CONTROL AS PUBLISHED BY THE DEPARTMENT OF NC ENVIRONMENTAL QUALITY.
- THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS INDICATING THE ACTUAL AS-BUILT CONDITION OF THE PROJECT AT COMPLETION. AS-BUILTS WILL BE FURNISHED AT OR PRIOR TO FINAL INSPECTION BY THE ENGINEER. AS-BUILTS WILL BE REVIEWED BY THE ENGINEERS REPRESENTATIVE PRIOR TO APPROVAL OF MONTHLY PROGRESS PAYMENTS, MARK-UP COPIES OF THE DRAWINGS INDICATING ALL DIMENSIONS AND ELEVATIONS ARE ACCEPTABLE AS AS-BUILT DRAWINGS.

Landscape Architecture Surveying

B-5716 DESIGNED BY: BGL DRAWN BY: CHECKED BY: BGL APPROVED BY: -REVISED:

SHEET NO.

UC-3

17651

PROJECT REFERENCE NO.

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION LESTER UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151

UTILITY CONSTRUCTION **DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

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 2024.

UTILITY CONSTRUCTION TOWN OF MADISON

- 2. THE EXISTING UTILITIES BELONG TO TOWN OF MADISON.
- 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 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 BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF 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 OWNER'S REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.
- 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 EXISITNG 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 MATERIAL SUBMITTALS AND RECORDS IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

- ALL PROPOSED FORCE MAIN AND WATER LINE TO BE PVC C-900 DR18 UNLESS NOTED OTHERWISE ON PLANS. ALL DUCTILE IRON PIPE SHALL BE PC350. AND DUCTILE IRON FORCE MAIN SHALL HAVE AN EPOXY INTERIOR LINING.
- WELL IN ADVANCE OF BEGINNING UTILITY WORK SOFT DIGS SHALL BE PERFORMED BY CONTRACTOR TO VERIFY ACTUAL WATER LINE DEPTH AND MATERIAL AT PROPOSED TIE-IN LOCATIONS.
- LAY PIPE STRAIGHT IN ALIGNMENT AND GRADIENT OR FOLLOW TRUE CURVES AS NEARLY AS POSSIBLE. DO NOT DEFLECT ANY JOINT MORE THAN THE MAXIMUM DEFLECTION RECOMMENDED BY THE MANUFACTURER.
- LKC, TOWN OF MADISON, AND NCDOT TO REVIEW/ APPROVE RELEVANT SUBMITTALS.
- ANY SERVICE INTERRUPTIONS SHALL BE SCHEDULED FOR MINIMAL IMPACT TO CUSTOMERS AND APPROVED BY LKC, AND TOWN OF MADISON.
- THE CONTRACTOR SHALL NOTIFY LKC AND TOWN OF MADISON IN ADVANCE OF THE FOLLOWING ACTIVITIES:
- a. START OF UTILITY CONSTRUCTION- 48 HOURS MAIN LINE SERVICE INTERRUPTIONS- 96 HOURS
- PRESSURE TESTING- 24 HOURS
- DISINFECTION- 24 HOURS
- LKC, TOWN OF MADISON, AND NCDOT HAVE RIGHT-OF-ENTRY TO THE PROJECT SITE.
- THE PROPOSED PIPELINE SHALL BE INSTALLED AT THE DEPTHS SHOWN IN THE PROFILE TO AVOID HIGH POINTS THAT CAN TRAP AIR. ALL COST FOR INSTALLATION IN DEEPER CUTS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND SHOULD BE INCLUDED IN THE PRICE FOR FORCE MAIN AND WATER MAIN INSTALLATION.