UTILITY CONSTRUCTION NOTES

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:

ROBESON COUNTY CONTACT: AL GRIMSLEY PHONE: 910-671-3485

TOWN OF PEMBROKE CONTACT: GARRY HARRIS PHONE: 910-521-2458

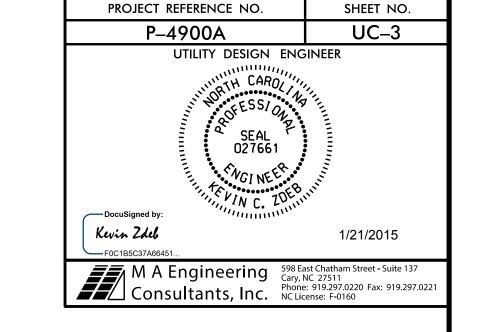
- 3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES, DIVISION OF ENVIRONMENTAL HEALTH. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES, DIVISION OF WATER QUALITY. 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 ACCEPT-ANCE 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 ADDITONAL 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. PROPOSED WATER LINE SHALL BE PVC C900 DR 18.
- 2. PROPOSED FORCE MAIN SHALL BE PVC C900 DR 18.
- 3. PROPOSED WATER LINE AND FORCE MAIN FITTINGS SHALL BE DUCTILE IRON PRESSURE CLASS 350.
- 4. ALL FITTINGS (BENDS, TEES, CROSSES, REDUCERS, PLUGS, ETC.) SHALL BE ADEQUATELY RESTRAINED BY THE USE OF RESTRAINED JOINT CONSTRUCTION.
- 5. THE EXISTING WATER AND SEWER LINES SHALL BE RESTRAINED AT ALL TIE-IN LOCATIONS AS DETAILED ON SHEET UC-3C OR AS DIRECTED BY THE RESIDENT ENGINEER.
- 6. AS PER AS-BUILT RECORDS RECEIVED, THE EXISTING 4-INCH PVC SDR-21 FORCE MAIN TRANSITIONS TO HDPE PIPE MATERIAL IN THE VICINITY OF THE PROPOSED TIE-IN LOCATION.

 CONTRACTOR SHALL FIELD LOCATE THE ACTUAL TRANSITION POINT, WHICH RESIDES WITHIN A 12-INCH THICK CONCRETE COLLAR. CONTRACTOR SHALL ONLY CONDUCT TIE-IN OF NEW FORCE MAIN TO THE EXISTING PVC SDR-21 AND SHALL ALTER THE TIE-IN LOCATIONS AS NEEDED TO FIT ACTUAL FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 7. CONTRACTOR SHALL PERFORM A PUMP AND HAUL BYPASS OPERATION FOR THE DURATION OF THE WORK PERFORMED ON THE SANITARY FORCE MAIN. ACCORDING TO THE AS-BUILT PLANS. THE WASTEWATER ORIGINATES FROM THE PUMP STATION LOCATED AT OLIVE CHAPEL ELEMENTARY SCHOOL AND ENTERS THE SANITARY GRAVITY SYSTEM A FEW HUNDRED FEET WEST OF THE PROPOSED WORK INTO A MANHOLE ON THE NORTH SIDE OF UNION CHAPEL ROAD. CONTRACTOR SHALL COORDINATE WITH SCHOOL OFFICIALS, AND THE TOWN OF PEMBROKE TO DETERMINE WHEN IT IS BEST SUITED TO SCHEDULE THE PROPOSED WORK. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE PUMP AND HAUL PERMIT AND CONFORMING TO ALL OTHER LOCAL, STATE AND FEDERAL REGULATIONS ASSOCIATED WITH SAID OPERATIONS.



LIST OF STANDARD DRAWINGS

1515.01 WATER METER 1515.02 FIRE HYDRANT