

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO EXCAVATION OR PRIOR TO MANUFACTURE OF PIPE. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AT OR CONTIGUOUS TO THE SITE IS APPROXIMATE AND BASED ON PHYSICAL APPURTENANCES OBSERVED IN THE FIELD. THE OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR THE COMPLETENESS OF ANY SUCH INFORMATION AND DATA; AND, THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, FOR LOCATING ALL UNDERGROUND FACILITIES, FOR COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES DURING CONSTRUCTION, FOR THE SAFETY AND PROTECTION THEREOF, AND FOR REPAIRING ANY DAMAGE THERETO RESULTING FROM THE WORK. THE COST OF ALL OF WHICH WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE NC ONE CALL TELEPHONE NUMBER IS 1-800-632-4949.
2. THE CONTRACTOR SHALL COORDINATE WITH THE TOWN OF MORRISVILLE PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO CUTTING OR CONNECTING TO EXISTING UTILITY LINES. PUBLIC WORKS DEPARTMENT PERSONNEL SHALL DETERMINE THE MOST APPROPRIATE TIME FOR THESE ACTIVITIES TO TAKE PLACE. THE CONTRACTOR SHALL CONTACT THE PUBLIC WORKS DIRECTOR AT 919-463-7071 AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION.
3. THE CONTRACTOR SHALL RE-ESTABLISH ANY PROPERTY MARKER, BENCHMARK, ETC. DISTURBED DURING CONSTRUCTION TO ITS ORIGINAL LOCATION AND ELEVATION. THIS ITEM SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
4. CONTRACTOR SHALL FIELD LOCATE EXISTING UTILITY LINES TO BE CONNECTED TO PRIOR TO COMMENCING WORK. IF A DISCREPANCY EXISTS BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND TOWN IMMEDIATELY.
5. CONTRACTOR SHALL VERIFY THE ELEVATION, CONFIGURATION AND ANGULATIONS OF EXISTING LINES PRIOR TO CONSTRUCTION. THIS ITEM SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VERTICAL AND HORIZONTAL CONTROL SHOWN ON THE PLANS THROUGHOUT THE PROJECT.
7. THE CONTRACTOR SHALL MAINTAIN A NEAT AND ACCURATE RECORD OF CONSTRUCTION FOR THE TOWN'S RECORDS. THE CONTRACTOR SHALL PROVIDE THE TOWN FULL SIZE REPRODUCIBLE MARKUPS THAT RECORD ALL CONSTRUCTION DEVIATING FROM THE PLANS AT SUBSTANTIAL COMPLETION.
8. THE CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING WATER, OR AS APPROVED BY THE ENGINEER. THIS SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF THE PROJECT.
9. WHERE THE CONTRACTOR DESIRES TO MOVE EQUIPMENT NOT LICENSED FOR OPERATION ON PUBLIC HIGHWAYS ON OR ACROSS ANY PAVEMENT, HE SHALL PROTECT THE PAVEMENT FROM ALL DAMAGE.
10. THE CONTRACTOR SHALL NOT PLACE FILL OR WASTE MATERIAL ON ANY PRIVATE PROPERTY WITHOUT PRIOR WRITTEN AGREEMENT WITH PROPERTY OWNER.
11. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CURRENT NCDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION EXCEPT WHERE MODIFIED IN THESE PLANS OR THE SPECIFICATIONS.
12. THE CONTRACTOR SHALL REVEGETATE UNPAVED AREAS DISTURBED BY CONSTRUCTION PRIOR TO ACCEPTANCE OF THE PROJECT. REVEGETATION SHALL CONSIST OF SEED SOWING, STRAW MULCHING, FERTILIZING AND WATERING. REVEGETATION SHALL BE ACCEPTABLE WHEN VEGETATION ACHIEVES ONE (1) INCH IN HEIGHT, WITH 85% COVERAGE AND NO GREATER THAN 10 SQUARE FEET BARE.
13. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS GOVERNING EXCAVATION. TRENCH SIDE SLOPES SHALL MEET OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS THAT ARE IN EFFECT AT THE TIME OF CONSTRUCTION. SHEETING, SHORING AND BRACING SHALL BE REQUIRED WHEN SIDE SLOPE STANDARDS ARE NOT MET. A PULL BOX, MEETING OSHA STANDARDS, MAY BE ACCEPTABLE, UNLESS NEGATED BY GROUNDWATER CONTROL MEASURES. CONTRACTOR SHALL HAVE A TRENCH SAFETY PLAN AT THE TIME OF PRE-CONSTRUCTION MEETING. NO OPEN TRENCHES WILL BE ALLOWED OVERNIGHT WITHOUT THE PRIOR WRITTEN APPROVAL OF THE TOWN OF MORRISVILLE PUBLIC WORKS DEPARTMENT. ONSITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
14. THE CONTRACTOR SHALL SUBMIT IN WRITING A SEQUENCE OF CONSTRUCTION AND WORK SCHEDULE TO THE ENGINEER AT THE TIME OF THE PRE-CONSTRUCTION MEETING.
15. ALL PHASES OF CONSTRUCTION MUST BE COORDINATED WITH THE TOWN OF MORRISVILLE. FIELD ADJUSTMENTS MAY BE NECESSARY AND WILL BE CARRIED OUT AS DIRECTED BY THE TOWN OF MORRISVILLE AT NO EXTRA PAY.
16. CONSTRUCTION DEWATERING, IF ANY, IS INCIDENTAL TO THE PROJECT BID ITEMS. ALL DEWATERING DISCHARGE SHALL BE FILTERED THROUGH SILT BAGS AND/OR OTHER APPROVED EROSION CONTROL MEASURES.
17. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PERFORMING ALL CONSTRUCTION LAYOUTS FROM THE SITE LAYOUT CONTROL POINTS, AND FROM THE DIMENSIONS AND CENTERLINES SHOWN. THE CONTRACTOR MUST NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSITION FROM ONE PIPE MATERIAL TO ANOTHER, WHERE INDICATED ON THE PLANS. MATERIALS, LABOR, AND EQUIPMENT NECESSARY FOR PROPER TRANSITION BETWEEN MATERIALS SHALL BE SUBSIDIARY TO THE COST OF THE PROJECT.
19. UNTIL THE WORK IS ACCEPTED BY THE TOWN OF MORRISVILLE, THE PROJECT SHALL BE UNDER THE CHARGE AND CUSTODY OF THE CONTRACTOR AND THE CONTRACTOR SHALL TAKE EVERY NECESSARY PRECAUTION AGAINST INJURY AND/OR DAMAGE TO THE WORK.
20. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE TOWN INSPECTOR OF ANY DAMAGE OR CHANGED CONDITION CAUSED BY CONSTRUCTION ACTIVITIES THAT MAY RESULT IN COMPROMISED WATER QUALITY ENTERING THE DISTRIBUTION SYSTEM.
21. THE CONTRACTOR SHALL DISTRIBUTE LETTERS TO ALL AFFECTED PROPERTY OWNERS PRIOR TO BEGINNING WORK ON EACH PROPERTY. THIS LETTER SHALL INCLUDE NAMES AND TELEPHONE NUMBERS OF CONTRACTOR CONTACTS, A DESCRIPTION OF WORK TO BE DONE, AND THE TIME FRAME FOR DOING THE WORK. COPIES OF THE LETTER SHALL BE FORWARDED TO THE TOWN INSPECTOR. THE CONTRACTOR SHALL NOTIFY RESIDENTS 48 HOURS IN ADVANCE OF PERFORMING ANY WORK ON PRIVATE PROPERTY. DISTRIBUTION OF LETTERS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
22. THE CONTRACTOR SHALL NOT COMMENCE WORK BEFORE 7:00AM AND SHALL ARRANGE HIS WORK SO THAT NO MACHINERY OR EQUIPMENT SHALL BE CLOSER THAN 30 FEET TO ANY TRAVEL LANES AFTER SUNSET EXCEPT AS AUTHORIZED BY THE OWNER. NO WORK IS ALLOWED ON SUNDAY.
23. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY DAMAGE TO PRIVATE PROPERTY, INCLUDING, BUT NOT LIMITED TO, FENCES, BRICKS, WALLS, PAVEMENT, GRASS, AND TREES, AT NO ADDITIONAL COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE COST OF THE CONTRACT UNLESS OTHERWISE NOTED.

24. CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS IN VICINITY OF ANY OVERHEAD ELECTRIC LINES. CONTRACTOR SHALL ABIDE BY NATIONAL ELECTRIC CODE AND ANY REQUIREMENT BY OWNER OF ELECTRIC LINE.
25. CONTRACTOR SHALL INSTALL TEMPORARY BACKFILL AS REQUIRED FOR OPEN TRENCH IN ESTABLISHED ROADWAYS. NO OPEN TRENCH WILL BE ALLOWED IN EXISTING PAVEMENT EXCEPT DURING DAYLIGHT HOURS AND DURING CONSTRUCTION OPERATIONS. TEMPORARY BACKFILL SHALL BE INSTALLED TO THE FINISHED GRADE OF THE EXISTING PAVEMENT AND SHALL BE MAINTAINED BY THE CONTRACTOR TO ENSURE A SMOOTH DRIVING SURFACE FREE OF RUTTING AND POTHOLES. REPAIR DAMAGED PAVEMENT IN ACCORDANCE WITH SPECIFICATIONS. A LIMIT OF 40 LF OF TRENCH MAY BE CLOSED BY PLATES OUTSIDE OF CONSTRUCTION HOURS.
26. TOPSOIL REPLACEMENT IS REQUIRED IN ALL AREAS WHERE TOPSOIL EXISTS. TOPSOIL SHALL INCLUDE THE TOP SIX (6) INCHES OF TRENCH, UNLESS ROCK DEPTH IS LESS THAN SIX (6) INCHES. TOPSOIL SHALL BE KEPT SEPARATE FROM GENERAL TRENCH EXCAVATED MATERIAL AND SHALL BE PLACED ON TOP OF TRENCH BACK FILL. CONTRACTOR SHALL REMOVE ALL ROCK FROM TOPSOIL IN CULTIVATED AREAS.
27. ALL TESTING SHALL BE IN ACCORDANCE WITH NCDOT STANDARD SPECIFICATIONS.
28. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND PROPERTIES ADJACENT TO THE PROJECT FREE OF MUD AND DEBRIS FROM THE CONSTRUCTION AT ALL TIMES.
29. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS BEFORE CONSTRUCTION BEGINS.
30. CONTRACTOR SHALL NOT STORE MATERIALS, EQUIPMENT OR OTHER CONSTRUCTION ITEMS ON ADJACENT PROPERTIES OR RIGHT-OF-WAY WITHOUT THE PRIOR WRITTEN CONSENT OF THE PROPERTY OWNER OR THE TOWN OF MORRISVILLE (FOR R.O.W.) ALL CONSTRUCTION MATERIALS TO BE REMOVED SHALL BE DISPOSED OF AT A LEGAL DISPOSAL LOCATION OFF SITE, UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE PROPERTY OWNER.
31. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED OF AT A LEGAL DISPOSAL FACILITY OFF SITE BY THE CONTRACTOR AT HIS EXPENSE UNLESS OTHERWISE SPECIFIED OR AGREED TO BY OWNER.
32. ALL PAVING DIMENSIONS ARE TO EDGE OF PAVEMENT AND/OR FACE OF CURB UNLESS OTHERWISE NOTED.
33. THE CONTRACTOR SHALL GIVE THE OWNER A MINIMUM OF 5 DAYS NOTICE PRIOR TO THE TIME A STREET SIGN IS TO BE REMOVED DUE TO CONSTRUCTION OPERATIONS. AT NO TIME SHALL THE CONTRACTOR REMOVE OR RELOCATE A STOP OR YIELD SIGN WITHOUT THE APPROVAL OF THE TOWN.
34. THE CONTRACTOR SHALL PROTECT ALL FRANCHISE UTILITIES DURING ALL CONSTRUCTION PHASES (INCLUDING POWER POLES, TELEPHONE RISERS, ETC.). THE CONTRACTOR SHALL PROTECT AND SALVAGE ALL EXISTING UTILITIES IN ACCORDANCE WITH TOWN OF MORRISVILLE REQUIREMENTS AND RETURN SALVAGED UTILITIES TO THE TOWN.
35. CONTRACTOR SHALL FURNISH AND INSTALL ALL THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN ON THE PLANS. STOP BARS SHALL BE INSTALLED AT ALL STREET INTERSECTIONS.
36. CONTRACTOR SHALL SAW-CUT TO PROVIDE SMOOTH TRANSITION AT TIE-IN TO EXISTING EDGE OF PAVEMENT AND MEET EXISTING PAVEMENT AS NECESSARY TO ENSURE POSITIVE DRAINAGE.
37. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING FENCING ALONG THE PROJECT.
38. CONTRACTOR SHALL MAKE ALL ATTEMPTS TO PROTECT ALL TREES WITHIN THE LIMITS OF CONSTRUCTION. IF CONSTRUCTION REQUIRES ANY TREE TO BE REMOVED, THE CONTRACTOR SHALL NOTIFY TOWN STAFF OF THE NECESSARY REMOVAL PRIOR TO CONSTRUCTION. THIS ITEM SHALL BE CONSIDERED A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
39. CONTRACTOR SHALL MAKE ALL ATTEMPTS TO PROTECT ALL SIGNS WITHIN THE LIMITS OF CONSTRUCTION. ANY SIGN REQUIRING REMOVAL AND REPLACEMENT AS A RESULT OF CONSTRUCTION SHALL BE REPLACED AT EQUAL OR BETTER CONDITION AND IN ACCORDANCE WITH NCDOT GUIDELINES. ANY SIGNS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AS A NON-PAY ITEM.
40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO PRIVATE PROPERTY. THE CONTRACTOR SHALL VIDEO THE ENTIRE PROJECT CORRIDOR AND PROVIDE A COPY OF THE CD TO THE TOWN PRIOR TO CONSTRUCTION.
41. TEMPORARY MAILBOXES SHALL BE PROVIDED AS REQUIRED. THIS ITEM SHALL BE CONSIDERED A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE LOCATION OF MAILBOXES IS TO BE DETERMINED BY PROPERTY OWNERS. MAILBOXES MUST MEET POST OFFICE STANDARDS
42. CONSTRUCTION WATER IS AVAILABLE THROUGH A TOWN OF MORRISVILLE HYDRANT METER. CONTACT BLAKE MILLS, DIRECTOR OF PUBLIC WORKS, AT 919-463-7071.

TRAFFIC CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING TRAFFIC CONTROL MEASURES FOR THE UTILITIES WORK WITH THE OVERALL TRAFFIC CONTROL PLANS.

EROSION CONTROL NOTES

1. VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL DISTURBED AREAS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE DIVISION ROADSIDE ENVIRONMENTAL ENGINEER
2. PROPER TEMPORARY AND PERMANENT MEASURES SHALL BE USED TO CONTROL EROSION AND SEDIMENTATION IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. ALL EROSION AND POLLUTION CONTROL DEVICES AND MEASURES SHALL BE CONSTRUCTED, INSTALLED, MAINTAINED, AND REMOVED BY THE ENCROACHING PARTY IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, REGULATIONS, ORDINANCES, AND POLICIES.
3. THE ENCROACHING PARTY SHALL BE RESPONSIBLE TO KEEP FULLY INFORMED TO COMPLY WITH THE APPLICABLE AND MOST CURRENT REGULATIONS OF ALL LEGALLY CONSTITUTED AUTHORITIES RELATING TO POLLUTION PREVENTION AND CONTROL INCLUDING EROSION CONTROL. IN THE EVENT OF CONFLICT BETWEEN LAWS, REGULATIONS, ORDINANCES, POLICIES, SPECIFICATIONS, OR OTHER REQUIREMENTS, THE MORE RESTRICTIVE REQUIREMENT SHALL APPLY.
4. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS ONE-HALF INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED AS NECESSARY AND IN A TIMELY MANNER.

WATER LINE NOTES

1. THE CONTRACTOR SHALL VERIFY THE ELEVATION OF ALL UTILITY CROSSINGS PRIOR TO THE INSTALLATION OF ANY PIPE.
2. THE CONTRACTOR SHALL MAINTAIN WATER SERVICE TO ALL CUSTOMERS THROUGHOUT CONSTRUCTION BY USE OF TEMPORARY METHODS APPROVED BY THE OWNER. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
3. CONTRACTOR SHALL INSTALL STANDARD BENDS AT LOCATIONS SHOWN. ALL NON-STANDARD VERTICAL AND HORIZONTAL BENDS SHALL BE INSTALLED USING STANDARD BENDS AND 50% OF THE MAXIMUM ALLOWABLE JOINT DEFLECTIONS AND MINIMUM RADIUS AS RECOMMENDED BY THE PIPE MANUFACTURER.
4. THE ENDS OF ALL EXISTING WATER MAINS THAT ARE CUT, BUT NOT REMOVED, SHALL BE PLUGGED AND ABANDONED IN PLACE. THIS WORK SHALL BE CONSIDERED AS A SUBSIDIARY COST TO THE PROJECT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
5. THE 12-INCH WATER LINE SHALL BE DUCTILE IRON, PRESSURE CLASS 350.
6. ALL TEES, BENDS, REDUCERS, AND PLUGS SHALL BE MECHANICALLY RESTRAINED AND BLOCKED. MECHANICAL RESTRAINT SHALL BE BY EBAA MEGALUG FOR DUCTILE IRON OR APPROVED EQUAL.
7. ALL VALVES, FIRE HYDRANTS, FITTINGS, AND OTHER METAL APPURTENANCES LOCATED BELOW GROUND SHALL BE POLYETHYLENE-ENCASED IN ACCORDANCE WITH AWWA C-509.
8. WATER PIPE SHALL HAVE A MINIMUM OF 60 INCHES OF COVER (UNLESS NOTED OTHERWISE).
9. CONCRETE THRUST BLOCKING SHALL BE USED AT ALL HORIZONTAL AND VERTICAL BENDS, TEES, AND WYES.
10. THE CONTRACTOR SHALL INSTALL A FULL JOINT OF PIPE ON BOTH SIDES OF ALL FITTINGS WHERE POSSIBLE.
11. CONTRACTOR SHALL INSTALL DETECTABLE WARNING TAPE A MINIMUM OF 120" ABOVE WATER LINES. DETECTABLE WARNING TAPE SHALL BE INCLUDED IN THE PRICE OF THE WATER PIPE. NO SEPARATE PAYMENT WILL BE MADE FOR THIS ITEM.
12. WHERE THE CONTRACTOR CROSSES AN EXISTING, NON-PRESSURE RATED WASTEWATER MAIN OR LATERAL WITH THE NEW POTABLE WATER LINE PIPE, ONE SEGMENT OF THE WATER LINE PIPE SHALL BE CENTERED OVER THE WASTEWATER MAIN OR LATERAL SUCH THAT THE JOINTS OF THE WATER LINE PIPE ARE EQUIDISTANT AND AT LEAST TEN FEET HORIZONTALLY FROM THE CENTERLINE OF THE WASTEWATER MAIN OR LATERAL.
13. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE AWWA, NCDEQ, AND ASTM STANDARDS FOR CONNECTIONS TO EXISTING ASBESTOS CEMENT PIPES.
14. ALL EXISTING FIRE HYDRANTS SHALL BE SALVAGED AND RETURNED TO THE TOWN OF MORRISVILLE.

REUSE LINE NOTES

1. ALL RECLAIMED WATER MAIN DISTRIBUTION PIPE SHALL BE C900 OR C905 PVC PIPE.
2. ALL PVC PIPE SUPPLIED FOR RECLAIMED WATER APPLICATIONS SHALL BE COLOR CODED PURPLE, PANTONE 522 AS REQUIRED BY THE NORTH CAROLINA ADMINISTRATIVE CODE, 15A, NCAC, 02T 0909. PIPE IDENTIFICATION FOR RECLAIMED WATER BY THE MANUFACTURER WITH THE WORDS "CAUTION RECLAIMED WATER DO NOT DRINK" REPEATED ON OPPOSITE SIDES OF THE PIPE EVERY 3- FEET OR LESS
3. ALL RECLAIMED WATER DISTRIBUTION MAINS IN THE TOWN OF CARY WATER SYSTEM SHALL BE RESTRAINED. THE STANDARD JOINT RESTRAINT SHALL CONSIST OF WEDGE ACTION RETAINER GLANDS, BELL JOINT HARNESSSES AND OTHER MECHANICAL RESTRAINING METHODS AS APPROVED BY THE TOWN.
4. A THRUST RESTRAINT PRESSURE OF 250 SHALL BE USED FOR THIS PROJECT.
5. TYPICAL DEPTH OF COVER FOR BURIED REUSE LINE SHALL BE 5 FEET UNLESS OTHERWISE SHOWN OR SPECIFIED.
6. REUSE DESIGNATED DETECTOR TAPE IS REQUIRED FOR ALL BURIED PIPE. ALL PIPING SHALL BE POLY-WRAPPED AND PAINTED. SEE SPECIFICATIONS.

SANITARY SEWER NOTES


1. SANITARY SEWER SERVICE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AT ALL TIMES. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AND OWNER A PLAN PRIOR TO CONSTRUCTION FOR APPROVAL FOR MAINTAINING SANITARY SEWER SERVICE. THE COST FOR MAINTAINING SEWER SERVICE AND ANY ASSOCIATED BYPASS PUMPING SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF THE SANITARY SEWER PIPE INSTALLATION.
2. ABANDONMENT OF EXISTING SANITARY SEWER LINES AND MANHOLES SHALL CONSIST OF THE WORK, LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO LOCATE, CUT, AND PLUG THE EXISTING SANITARY SEWER LINE AND COLLAPSE THE CONE SECTION OF THE MANHOLE AT THE LOCATIONS IDENTIFIED ON THE PLANS AND IN ACCORDANCE WITH THE REFERENCED DETAIL.

Kimley»Horn

P.O. BOX 33068
RALEIGH, N.C. 27636-3068

RIGHT-OF-WAY REV.

CONST. REV.

PROJECT REFERENCE NO.	SHEET NO.
U-5828	UC-3
R/W SHEET NO.	
UTILITY CONSTRUCTION ENGINEER	
	
DocuSigned by: <i>Matthew A. Shoemith</i>	8/28/2017
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