

CONSTRUCTION NOTES

1. THE LOCATION OF UNDERGROUND UTILITIES THAT ARE SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES AND ANY AND ALL DAMAGES RESULTING FROM THE FAILURE TO DO SO. CONTACT PALMETTO UTILITY PROTECTION SERVICE (PUPS) AT 811 AT LEAST SEVENTY TWO (72) HOURS PRIOR TO COMMENCING CONSTRUCTION FOR THE LOCATION OF ALL UTILITIES. NOTIFY THE CITY OF CAYCE OF CONFLICTS WHICH MAY AFFECT PROPER COMPLETION OF THE WORK ASSOCIATED WITH THIS PROJECT.
2. THE CONTRACTOR SHALL PROTECT AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE ROADWAY AND ALL EXISTING UTILITY SERVICES AND REPAIR ANY DAMAGES MADE DURING CONSTRUCTION AT THE CONTRACTOR'S EXPENSE. COORDINATE REPAIRS OF DAMAGED UTILITIES WITH CITY OF CAYCE.
3. CONTRACTOR SHALL MAINTAIN A DEPTH OF COVER OF AT LEAST 36" FOR ALL UTILITY LINES WITH RESPECT TO FINISHED GRADE. UTILITY LINES PLACED WITHIN THE ROADWAY SHOULDER SHALL HAVE A MINIMUM DEPTH OF 42" WITH RESPECT TO THE FINISHED GRADE.
4. THE CONTRACTOR SHALL ABIDE BY ALL THE PROVISIONS ESTABLISHED IN THE NPDES PERMIT FOR THIS PROJECT, SCDHEC STORM WATER REGULATIONS, AND LOCAL STORM WATER REGULATIONS.
5. ALL UTILITY LINE CONSTRUCTION, ABANDONMENT, AND RELOCATION SHALL BE DONE IN ACCORDANCE WITH THE CITY OF CAYCE REQUIREMENTS AND ALL WORK COMPLETED SHALL BE APPROVED BY THE CITY OF CAYCE.
6. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING OF THE NEW UTILITY LINE BY AN SC LICENSED SURVEYOR. ANY DISCREPANCIES WITH THE CONSTRUCTION DRAWINGS OR LAYOUT INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE CITY OF CAYCE AS SOON AS POSSIBLE.
7. AS-BUILT DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR TO THE CITY OF CAYCE FOR REVIEW AND APPROVAL. THE INFORMATION PROVIDED SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS FOR RECORD DRAWINGS AND BE TO SURVEY GRADE OR INCLUDE GPS COORDINATES AND TWO (2) MEASURED DISTANCES FROM PERMANENT OBJECTS LOCATED IN THE EXISTING CONDITIONS SURVEY.
8. THE CONTRACTOR SHALL PROVIDE SILT FENCE AND/OR OTHER EROSION CONTROL DEVICES AS NECESSARY TO CONTROL EROSION DURING THE INSTALLATION OF THE SEWER LINE. IN THE EVENT THAT EXCESS WATER IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL FILTER THE SEDIMENT FROM THE WATER PRIOR TO PUMPING IT INTO THE NEAREST WATER BODY. ALL DISTURBED AREAS SHALL BE CLEARED GRADED AND STABILIZED WITH GRASS IMMEDIATELY AFTER THE UTILITY INSTALLATION. THE CONTRACTOR SHALL REMAIN WITHIN THE LIMITS OF CONSTRUCTION AS DEPICTED BY THE LIMITS OF DISTURBANCE (OR NPDES LINE) SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTINUAL MAINTENANCE OF STORMWATER WITHIN THE AREA OF THE UTILITY LINE UNTIL PERMANENT GRASSING IS ESTABLISHED.
9. ALL PIPE SHALL CONFORM TO RATINGS SHOWN IN THE PLANS AND CONTRACT SPECIFICATIONS.
10. THESE NOTES APPLY TO ALL THE SHEETS IN THIS SET OF DRAWINGS.

LINING NOTES

1. AERIAL PHOTO REFERENCED FROM 2020 GOOGLE IMAGERY. LOCATIONS OF SOME OF THE MANHOLES ON THIS SHEET ARE APPROXIMATE AND HAVE NOT BEEN SURVEYED. CONTRACTOR SHALL VERIFY ALL LOCATIONS OF EXISTING MANHOLES PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICES ON THE EXISTING LINES AND RECONNECTING THEM AFTER THE LINER IS INSTALLED. ON SERVICE LATERALS THAT DO NOT CONTAIN A CLEAN-OUT ASSEMBLY WITHIN THE RIGHT OF WAY OR PRESCRIPTIVE EASEMENT (7'-6" ON EITHER SIDE OF MAIN), THE CONTRACTOR SHALL INSTALL A CLEANOUT ON THE SERVICE LATERAL. CLEANOUTS MAY ALSO BE INSTALLED ON VACANT LOTS AT THE DISCRETION OF THE CITY OF CAYCE.
3. THE CONTRACTOR SHALL LIMIT ALL ACTIVITIES WITHIN THE ROADWAYS WHEN POSSIBLE. WHEN IT IS NECESSARY TO ACCESS PRIVATE PROPERTY, ACTIVITY SHALL BE LIMITED TO 7'-6" EACH SIDE OF THE SEWER LINE. BEFORE ENTERING PRIVATE PROPERTY, THE CONTRACTOR SHALL NOTIFY THE RESIDENT OF THE PROPERTY.
4. CONTRACTOR SHALL LOCATE ALL UTILITIES TO BE CONNECTED FAR ENOUGH IN ADVANCE OF THE WORK TO ALLOW FOR REDESIGN BY THE CITY OF CAYCE IF NECESSARY.
5. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE CITY OF CAYCE DETAILS AND SPECIFICATIONS.
6. CARE SHALL BE TAKEN TO RESTORE DISTURBED AREAS IN AS GOOD OR BETTER CONDITION THAN EXISTED PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO KEEP ALL UTILITIES IN SERVICE AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT AND COORDINATE THE PROJECT SCHEDULE WITH THE CITY OF CAYCE.
8. CONTRACTOR SHALL MAINTAIN SEWAGE FLOW AT ALL TIMES, AND SHALL PROVIDE BY-PASS PUMPING FACILITIES WHEN REQUIRED.
9. CONTRACTOR RESPONSIBLE FOR COORDINATING SERVICE OUTAGES AND PROPERTY IMPACTS WITH PROPERTY OWNERS AND CITY STAFF WITH AT LEAST 48 HOUR NOTICE PRIOR TO BEGINNING WORK.
10. EXISTING PIPE MATERIALS, SIZE, AND SERVICE LOCATIONS PER CITY OF CAYCE TV INSPECTION DATED SEPTEMBER 2015. CONTRACTOR TO VERIFY ALL SIZES AND SERVICE LOCATIONS PRIOR TO INSTALLATION OF THE IMPROVEMENTS.
11. CONTRACTOR SHALL PROVIDE NEW U-SHAPED INVERTS IN EXISTING MANHOLES NOT CONFORMING TO THE NEW MANHOLE STANDARD DETAIL PRIOR TO CEMENTITIOUS LINING. AN INSIDE DROP SYSTEM SHALL BE CONSTRUCTED FOR ALL MANHOLE INLET MAIN AND SERVICE PIPES WHERE INVERT CONSTRUCTION IS NOT PRACTICAL.

CONSTRUCTION SEQUENCE

CONTRACTOR SHALL COMPLETE THE FOLLOWING SCOPE OF WORK (NOT NECESSARILY IN THIS ORDER)

1. CONTRACTOR TO OBTAIN A COPY OF ENCROACHMENT PERMIT FOR THE PROJECT FROM THE CITY OF CAYCE AND ABIDE BY THE REQUIREMENTS SET FORTH IN THE PERMIT.
2. THE CONTRACTOR SHALL CONTACT THE CITY OF CAYCE AT (803) 796-9020 A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY WORK.
3. INSTALL PERIMETER SILT FENCE (AS REQUIRED TO PROHIBIT OFFSITE SEDIMENTATION).
4. CLEAR AND GRUB LOCATION OF THE UTILITY IMPROVEMENTS (AS REQUIRED).
5. LINING NOTES
 - a. PERFORM POINT REPAIRS AS NOTED ON THE DRAWINGS.
 - b. INSTALL LINING AS NOTED.
 - c. PERFORM MANHOLE REHABILITATION AS NOTED.
 - d. ALL SERVICE LATERALS TO BE REPLACED. INSTALL COMPRESSION FITTINGS (OR SADDLES IN 6" LINES ONLY) AS SPECIFIED WHERE POORLY CONSTRUCTED PLUMBER'S SERVICE LATERAL TAPS INTERSECT THE MAIN LINE. RECONNECTION BY EXCAVATION AFTER THE LINER IS INSTALLED IS ACCEPTABLE.
 - e. INSTALL CLEANOUT ASSEMBLIES ON SERVICE LATERALS CONNECTED TO THE MAIN LINES BEING REHABILITATED AS DIRECTED BY THE CITY OF CAYCE AND IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
 - f. PERFORM VIDEO INSPECTIONS ON EACH SERVICE LATERAL THAT IS CONNECTED TO A MAIN SEWER LINE THAT IS BEING REHABILITATED, AND THAT IS CONNECTED TO A MANHOLE ON THAT MAIN LINE. REPLACE THE SERVICE LATERAL.
 - g. PERFORM ALL OTHER MISCELLANEOUS WORK SPECIFIED IN THE CONTRACT DOCUMENTS.
6. VERIFY COMPACTION ON THE UTILITY LINE AS REQUIRED BY CITY OF CAYCE.
7. TEST AND APPROVE UTILITY LINE CONSTRUCTION THROUGH THE CITY OF CAYCE.
8. AFTER UTILITY LINE IS APPROVED, CONDUCT ABANDONMENT AND REMOVAL OF EXISTING PIPING AND APPURTENANCES (IF APPLICABLE).
9. PROVIDE FINAL STABILIZATION PROCEDURES, REMOVE ALL TEMPORARY SEDIMENT CONTROLS AS SITE BECOMES STABILIZED AND APPROVED BY CITY OF CAYCE.

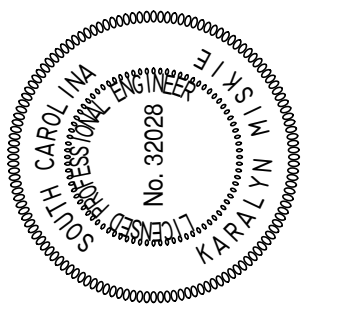
PROJECT CLOSEOUT

1. COORDINATE ALL PRESSURE TESTS WITH CITY OF CAYCE.
2. TWO SETS OF RECORD DRAWINGS AND CD COPY OF RECORD DRAWINGS PER CITY STANDARDS. RECORD DRAWINGS SHALL BE SUBMITTED IN STATE PLANE COORDINATES PER CITY SPATIAL STANDARDS GPS COORDINATES OF ALL MAJOR FEATURES SHALL BE PROVIDED ON THE PLANS. SWING TIES FROM ALL MANHOLES, CLEANOUTS, ETC. SHALL BE PROVIDED TO PROPERTY IRONS OR MAJOR LANDMARKS.
3. ONE COPY OF DVD AND REPORT OF POST-CONSTRUCTION TV SEWER MAIN INSPECTION. MAIN LINES SHALL BE HIGH-PRESSURE CLEANED PRIOR TO POST-TV INSPECTION.
4. PROVIDE ALL WARRANTY DOCUMENTATION AND LIEN WAIVER.
5. COMPLETE ALL PUNCH LIST ITEMS.
6. FINAL INSPECTION WITH CITY OF CAYCE, SCDOT (IF APPLICABLE), SCDHEC (IF APPLICABLE), AND LEXINGTON COUNTY (IF APPLICABLE).

CITY OF CAYCE, SC

SEWER LINING GRANT PROJECT
SANITARY SEWER NOTES
RAILROAD ST AND HOLLAND AVE SEWER
LINE REPLACEMENT

DRAWN: K.S.M. DATE: APRIL 2020 JOB: SCALE: NTS SHEET: 3 OF 4



No.	REVISIONS DESCRIPTION	DATE

