



PUBLIC SEWER COLLECTION / EXTENSION SYSTEM	PRI VATE SEWER COLLECTION / EXTENSION SYSTEM
<p>THE CITY OF PALMER CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIALS AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL COMPLY TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITY DEPARTMENT.</p> <p>CITY OF PALMER PUBLIC UTILITIES DEPARTMENT POINT # <u>S-3519</u></p> <p>AUTHORIZATION TO CONTRACT <u>for Sewer</u></p> <p>DATE <u>10/23/09</u></p>	<p>THE CITY OF PALMER CONSENTS TO THE CONNECTION TO THE PUBLIC SEWER SYSTEM AND EXTENSION OF THE PRIVATE SEWER COLLECTION SYSTEM AS SHOWN ON THIS PLAN. THE MATERIALS AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL COMPLY TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITY DEPARTMENT.</p> <p>CITY OF PALMER PUBLIC UTILITIES DEPARTMENT POINT # <u>S-3520(P)</u></p> <p>AUTHORIZATION TO CONTRACT <u>for Sewer</u></p> <p>DATE <u>10/23/09</u></p>

- ## SANITARY SEWER COLLECTOR LINES AND SERVICE NOTES:
1. ALL SANITARY SEWER SERVICE COLLECTOR LINES RUNNING PARALLEL WITH THE FRONT / BACK OF BUILDING ARE TO BE CONSTRUCTED AT 8' MINIMUM COVER. MATERIAL TYPE DEPENDS ON DEPTH OF LINE AND DISTANCE AND RELATION TO OTHER UTILITIES AT CROSSINGS (SEE NOTE #2, #4, #6, #4 AND GENERAL NOTES).
 2. ALL SANITARY SEWER MAINS, LATERALS, AND SERVICES ARE TO BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE APPLICABLE NORTH CAROLINA PLUMBING CODE AND/OR MUST BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE NCDEEN AND CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
 3. THE MINIMUM SLOPE ON 8" SANITARY SERVICE AND COLLECTOR LINES IS 1/80"
 4. ALL SANITARY SEWER COLLECTOR LINES SHALL HAVE A MINIMUM COVER OF 3 FEET (MEASURED FROM THE TOP OF FINISHED GRADE) IN TRAFFIC AREAS TO PIPE CORNER UNLESS D.I.P. IS PROVIDED. IN BEDDING WHERE MINIMUM COVER SHALL BE 3 FEET. MAINS AND SERVICES IN NON-TRAFFIC AREAS SHALL HAVE A MINIMUM COVER OF 3 FEET (MEASURED FROM TOP OF FINISHED GRADE) TO THE PIPE CORNER. ANY SANITARY SEWER MAINS OR SERVICES WITH A DEPTH GREATER THAN 12.0 FEET ARE TO BE D.I.P.
 5. CLEANOUTS ARE TO BE INSTALLED AT A MAXIMUM OF 75' ON CENTER ON ALL 6" SANITARY SEWER COLLECTOR LINES.
 6. ALL 6" SANITARY SEWER COLLECTOR LINES MUST TIE INTO A MANHOLE.
 7. THE MAXIMUM VERTICAL DROP FROM A 6" SANITARY LINE INTO A MANHOLE IS 10.0 FEET.
 8. CONTRACTOR TO VERIFY INVERTS AND ELEVATIONS OF ALL UTILITIES WHERE 6" SANITARY SEWER SERVICE COLLECTOR LINES MUST CROSS STORM SEWER LINES, WATER MAINS, AND/OR OTHER UNDERGROUND UTILITIES. CONTRACTOR TO LAY SEWER LINES/SERVICES IN THESE LOCATIONS AT A MAXIMUM / MINIMUM DEPTH AND MAXIMUM / MINIMUM SLOPE (PER CODE) TO MAINTAIN A MINIMUM COVER OF 18" (24" FOR STORM SEWER) BETWEEN UTILITIES (FROM TOP / BOTTOM OF HOT PIPE TO TOP / BOTTOM OF 2ND PIPE). IF 18" (24" FOR STORM SEWER) OF SEPARATION BETWEEN SANITARY SEWER SERVICES AND OTHER UTILITIES CANNOT BE MAINTAINED, SEWER SERVICE LINES ARE TO BE BUILT IN ACCORDANCE WITH THE APPLICABLE NORTH CAROLINA PLUMBING CODE AND/OR CITY OF RALEIGH STANDARDS AND SPECIFICATIONS. CONTRACTOR TO WORK WITH CITY INSPECTORS TO ENSURE THAT ADEQUATE SEPARATION AND PROTECTION IS PROVIDED FOR SERVICE LINES AND OTHER UTILITIES. ALL SERVICE LINES TO BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE NORTH CAROLINA PLUMBING CODE AND/OR CITY OF RALEIGH AND NCDEEN STANDARDS AND SPECIFICATIONS.
 9. ANYTIME A WATER MAIN CROSSES UNDER A SANITARY SEWER COLLECTOR MAIN, BOTH THE WATER MAIN AND THE SEWER LINE MUST BE CONSTRUCTED OF D.I.P. CONTRACTOR TO ADJUST MATERIAL ACCORDINGLY.
 10. SANITARY SEWER CLEANOUT LOCATIONS SHOWN ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED DURING CONSTRUCTION. CLEANOUT LOCATION AND CONSTRUCTION TO MEET THE APPLICABLE NORTH CAROLINA PLUMBING CODE AND/OR CITY OF RALEIGH AND NCDEEN STANDARDS AND SPECIFICATIONS. CLEANOUT LOCATIONS SHOWN ON THESE PLANS REPRESENT THE FACE ACCESS POINT. CONTRACTOR SHALL INSTALL ALL WYES, ANGLES, BENDS, AND OTHER APPURTENANCES AS REQUIRED.

