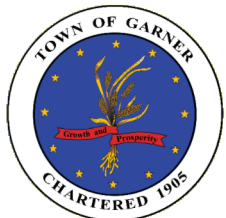


1. THE PIPE SHALL BE CORRUGATED EXTERIOR/SMOOTH INTERIOR PIPE (TYPE S), CONFORMING TO THE REQUIREMENTS OF AASHTO SPECIFICATIONS M294 (LATEST EDITION) FOR CORRUGATED POLYETHYLENE PIPE.
2. BELL AND SPIGOT JOINTS SHALL BE REQUIRED ON ALL PIPE. BELLS SHALL COVER AT LEAST TWO FULL CORRUGATIONS ON EACH SECTION OF PIPE. THE BELL AND SPIGOT JOINT SHALL HAVE "O"-RING RUBBER GASKETS MEETING ASTM F477 WITH THE GASKET FACTORY INSTALLED, PLACED ON THE SPIGOT END OF THE PIPE. PIPE JOINTS SHALL MEET ALL REQUIREMENTS OF AASHTO M294.
3. ALL HDPE PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. BACKFILL MATERIAL USED TO INSTALL HDPE PIPE SHALL BE SELECT MATERIAL, CLASS I-III, AS DEFINED BY ASTM D2321 (LATEST EDITION) OR AASHTO M145 GRANULAR MATERIALS):
  - A-1 AND A-3 AASHTO SOILS
  - A-2 AASHTO WITH THE EXCEPTION OF A-2-7
  - A-4 AND A-6 SOIL BASED ON GREATER THAN (>) 30% RETAINED ON THE NO. 200 SIEVE
  - UPON SUBMITTAL OF WRITTEN CERTIFICATION OF MATERIAL SUITABILITY BY A LICENSED GEOTECHNICAL ENGINEER, SELECT MATERIAL MAY BE USED. ALL BACKFILL SHALL BE APPROVED BY THE TOWN INSPECTOR PRIOR TO PLACEMENT.
5. NO HDPE END TREATMENTS ALLOWED. ALL END TREATMENTS SHOULD BE REINFORCED CONCRETE PIPE OR HEADWALLS. TRANSITIONS FROM HDPE TO CONCRETE PIPE SHALL BE MADE WITH THE APPROPRIATE ADAPTER.
6. MINIMUM BURY DEPTH OF 18" FROM THE OUTSIDE WILL OF THE PIPE AND MAXIMUM BURY DEPTH OF 20' UNLESS SPECIFIC APPROVAL IS OBTAINED FROM THE TOWN ENGINEER.



HDPE PIPE	DESIGNED BY: TOG	REVISED FEB. 2022
<b>TOWN OF GARNER, N.C.</b>	APPROVED BY: CSJ	STD. NO. SW-2.01.1