

1. THE PIPE AND FITTINGS SHALL BE AN ANNULAR CORRUGATED WALL AND AN ESSENTIALLY SMOOTH INTERIOR WALL (DOUBLE WALL), OR AN ANNULAR CORRUGATED WALL AND AN ESSENTIALLY SMOOTH INTERIOR AND EXTERIOR WALL (TRIPLE WALL) CONFORMING TO THE REQUIREMENTS OF:
  - ASTM F2764 AND
  - AASHTO SPECIFICATIONS M330 (LATEST EDITION) FOR CORRUGATED POLYPROPYLENE 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 M330.
3. ALL PP PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. BACKFILL MATERIAL USED TO INSTALL PP PIPE SHALL BE SELECT MATERIAL, CLASS I-IV, AS DEFINED BY ASTM D2321 (LATEST EDITION) OR AASHTO M145 GRANULAR MATERIALS:
  - A-1 AND A-3 AASHTO SOILS (CLASS II)
  - A-2 AASHTO (CLASS III) WITH THE EXCEPTION OF A-2-7
  - A-4 AND A-6 SOIL BASED ON GREATER THAN (>) 30% RETAINED ON THE NO. 200 SIEVE (CLASS III)
  - A-2-7: A-4 AND A-6 SOIL BASED ON LESS THAN (<) 30% RETAINED ON THE NO. 200 SIEVE (CLASS IV)
  - 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 PP END TREATMENTS ALLOWED. ALL END TREATMENTS SHOULD BE REINFORCED CONCRETE PIPE OR HEADWALLS. TRANSITIONS FROM PP TO CONCRETE PIPE SHALL BE MADE WITH THE APPROPRIATE ADAPTER.
6. MINIMUM BURY DEPTH OF 18" FROM THE OUTSIDE WALL OF THE PIPE AND MAXIMUM BURY DEPTH OF 25' UNLESS SPECIFIC APPROVAL IS OBTAINED FROM THE TOWN ENGINEER.



POLYPROPYLENE PIPE

**TOWN OF GARNER, N.C.**

DESIGNED BY:	TOG	REVISED FEB. 2022
APPROVED BY:	CSJ	STD. NO. SW-2.02.1