

SECTION 6.0 DRAINAGE EXCAVATION

6.01 Preparation of Trench

The trench shall be excavated to the proper depth along the lines and grades and sections shown on the approved drawings.

Unless otherwise permitted by the Engineer, the trench shall have a flat bottom conforming to the grade to which the pipe is to be laid. The pipe shall be laid upon solid soil cut true and even, so that the barrel of the pipe shall have a bearing for its full entire length. Appropriate methods shall be used to insure proper and uniform trench grade. Any part of the trench excavated below grade shall be corrected with approved material, thoroughly compacted. The use of blocks for the purpose of supporting pipe and fittings shall not be permitted. Bell holes, where required, of ample dimensions shall be dug in trenches at each joint to permit the joint to be made properly.

Where excavation is in solid rock, the rock shall be removed to a depth of at least six inches (6") below grade. Before laying pipe the trench shall be rebuilt to grade with earth, sand, gravel or other suitable material, firmly compacted to provide proper bedding for the pipe. The contractor shall be responsible for damage to adjoining structures whether or not shown on the plans and special precaution shall be observed whenever blasting is approved by the City of Gastonia Fire Marshall.

The contractor shall provide at all times safe conditions for trench excavation in accordance to latest OSHA requirements. All slopes and safety devices (including shoring, trench boxes, ladders, etc.) shall be as per the latest OSHA requirements. See Section 2.17 for Superintendence and Competent Person requirements. Any conflict with the OSHA standards and those of the City shall be brought to the City Engineer prior to construction and work shall not begin until the difference has been resolved.

See, including but not limited to, Section 8.00 for trench requirements.