

**ROGERS WATER UTILITIES
ROGERS, ARKANSAS**

**SPECIFICATIONS FOR ENGINEERED
SELECT BACKFILL MATERIAL
JUNE 2006**

1. **SCOPE**

This specification covers engineered select backfill material used to backfill trenches for water, sanitary sewer and force mains that pass through and/or within proposed public roads and streets. Engineered select backfill material shall be placed from the top of pipe bedding to the specified grade and the backfill trench width shall be a minimum of four feet to accommodate compaction equipment.

2. **GENERAL REQUIREMENTS FOR BACKFILL MATERIAL**

- a. The engineered select backfill material shall be a clayey sand (SC), clayey gravel (GC) or gravelly clay/sandy clay (CL) having a maximum liquid limit of 45 and a maximum plasticity index (PI) of 20.
- b. The engineered select backfill material shall be placed in lifts or layers not to exceed 10 inches loose measure and properly compacted, tested and approved before placing subsequent lifts.
- c. The engineered select backfill material shall be compacted to a minimum of 95% of the maximum dry density identified by the Standard Proctor (ASTM D698-00). Moisture content shall not vary from optimum by more than 2% below or 3% above as determined by ASTM D3017-05.

3. **QUALITY ASSURANCE OF MATERIALS**

The results of the geotechnical testing of the material shall be obtained by the Contractor for the source of supply and said test results shall be furnished to RWU. The results of the testing shall be used to approve or disapprove the source of supply by RWU and no further testing will be required for that specific project for which the test was made.