



STANDARD DETAILS

CITY OF SHERWOOD  
ARKANSAS

TITLE

TRENCH BACKFILL REQUIREMENTS  
(NEW STREETS)

STD-27

Issue Date

January, 2007

Revision Date

The City will allow Contractor to backfill utility and stormdrain installations under a planned new street with select material or approved borrow material providing Engineer of Record and Contractor comply with following:

- \* Engineer of Record must submit a request in writing to City of Sherwood Engineering Department. Letter must note agreement with conditions of this memorandum.
- \* Trench backfill with other than aggregate per current City standard is not allowed in cuts of existing street, on projects where street construction is a partial widening (boundary street widening), or a street extension less than 300 feet in length. Locations must be approved prior to start of construction.
- \* A two year maintenance bond for one-half project's construction cost shall be provided and shall cover all construction associated with project (curbs, base, ACHM surface, drainage inlets, stormdrain, sidewalks, and other improvements in right-of-way).
- \* Trenches shall be a minimum of eighteen inches in width to allow for proper compaction.
- \* Aggregate material as approved by City of Sherwood Engineering Department shall be used to crown of pipe.
- \* Material used for backfilling may be suitable excavated material, and it may be necessary to stockpile a part or all of this suitable material for later use. Material shall be free of frozen material, trash, lumber, broken concrete having a dimension larger than two inches, or other debris. Such material shall be capable of being compacted to a density of not less than ninety-five (95) percent of maximum density, at optimum moisture, obtained in laboratory in accordance with AASHTO-Designation T-180. All tests are to be at expense of Developer or Contractor.
- \* A letter certifying compaction of backfill in trenches shall be furnished for a minimum of every third lift with eight inch lifts maximum (one test per two feet of fill). Test locations shall be spaced no further than one hundred feet, one per street crossing, or as required by Engineer of Record or City staff.
- \* Failure to provide satisfactory density testing of backfill for each trench will require one of three options of Contractor: A. Removal and re-compaction with certified testing. B. A maintenance bond for five (5) years shall be furnished for total project. C. A 3000 psi seven inch thick concrete cap two feet wider than trench may be installed below base course.