



ATTENTION SEWER CONTRACTOR

For Sewer Pipe (storm, sanitary and combined) with a design grade less than one percent (1%), verification of the pipe grade will be required for each installed reach of sewer, prior to any surface restoration or installation of any surface improvements. The Contractor's field supervisor will be required to provide daily documentation verifying that the as-built pipe grade meets the design grade through the submittal of signed cut sheets to the Duckett Creek Inspector upon request.

Field surveyed verification must be made under the direction of a licensed land surveyor or registered engineer. The Contractor will be required to remove and replace any sewer reach having an as-built which is flatter than the design grade by more than 0.1%. Sewers with grades greater than the design slope may be left in place, provided no other sewer grade is reduced by this variance in the as-built grade.

Duckett Creek also reserves the right to require the Contractor to remove and replace any sewer (at any time prior to construction approval) for which the as-built grade does not comply with the grade tolerance stated in the above paragraph.

The Sewer Contractor shall be responsible for any costs associated with the field verification of the sewer grade, or removal and replacement of the sewer pipe or associated appurtenances.

Soils engineer will verify that all compressible material has been removed prior to fill placement and that all fill, under sanitary and storm sewer lines constructed above original grade, has been completed to 90% of "Modified Proctor". Fill is to be placed in a maximum of 9" lifts. Tests shall be taken at a maximum of 50 foot intervals along the route of the pipe; at a maximum of two foot vertically; and laterally on each side of the pipe, at a distance equal to the depth of fill over the pipe.

NOTE:  
APPROXIMATE ROCK ELEVATION BASED ON BORINGS PROVIDED BY OWNER. ACTUAL ROCK ELEVATIONS MAY BE DIFFERENT AND SITE UTILITY CONSTRUCTION MAY REQUIRE ROCK EXCAVATION.

- ▲ 06/10/03 PER CITY OF O'FALLON COMMENTS
- ▲ 10/23/02 CITY OF O'FALLON CMNTS
- ▲ 8/27/02 DUCKETT CREEK CMNTS
- ▲ 8/12/02 CITY OF O'FALLON CMNTS

PREPARED FOR:  
HENNESSEY DEVELOPMENT  
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CITY OF O'FALLON FILE NO. 3101.01

**SOUTHERNSIDE APARTMENTS**  
**SANITARY SEWER PROFILES**

**JAMES ENGINEERING & SURVEYING CO., INC.**  
ENGINEERS PLANNERS SURVEYOR  
10811 BIG BEND BLVD. KIRKWOOD, MO 63122  
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PROJECT # 184025

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