UPDATE LOG FOR SECTION 02221 TRENCHING, BACKFILLING, AND COMPACTING		
Date	**Item(s) Changed**	**Page #**
042215	**3.03 CONSTRUCTION** **C. <u>Fill, Backfill & Grading</u>** 2. <u>Pipeline Backfill</u>. **==Full-time observation and testing will be required during all backfill and compaction activities on pipelines by a District approved soils firm.==** Except as otherwise required by the construction plans or the standard drawings, the material used in backfilling to 1' above the pipe shall be granular material approved by the Engineer and in accordance with the manufacturers requirements, sandy, or sandy gravel material obtained from required excavation or from approved borrow areas, as shown on the Contract Drawings or as directed by the Engineer.	8
042213	3.03 CONSTRUCTION 1st paragraph of 3.03A.1 has been updated to read as follows: A. <u>Excavation</u> 1. <u>Trench Excavation</u>. Unless otherwise specified in the Special Conditions or on the Contract Drawings, pipeline trenches **==and clearances shall be per Standard Drawing SB-158 for sewer pipeline installations and B-286B for water pipeline installations.==** ~~shall have a minimum clear distance: pipe sizes up through 12" - 6" to 9" min., sizes larger than 12", 12" minimum on each side of the pipe barrel when the pipe is properly placed and aligned in conformity with the Contract Drawings~~.	5
05/02/12	**3.03 CONSTRUCTION, B.** <u>Fill, Backfill and Grading</u> 2. <u>Pipeline Backfill</u>, 3rd paragraph: The remaining trench backfill shall consist of select backfill material from the excavation, when available, free from stones or lumps exceeding 3" in greatest dimension, and free from vegetable matter or other unsatisfactory material. This select material as defined herein and elsewhere in these specifications, shall be placed in layers not exceeding 2' in depth, unless otherwise directed by the Engineer. Each lift shall be consolidated in such a manner that the backfill will meet the requirements of ==compaction to== 90% maximum ~~**compaction**~~ ==density per ASTM D1557-09.== Care shall be taken not to disturb the backfill previously placed, and the Contractor shall at all times protect the pipe against flotation. All material from failed test to successful test shall be removed, recompacted and retested.	8
04/30/12	**3.03 CONSTRUCTION,** B. <u>Fill, Backfill and Grading</u>, 2. <u>Pipeline Backfill</u>, 3rd paragraph: The remaining trench backfill shall consist of select backfill material from the excavation, when available, free from stones or lumps exceeding 3" in greatest dimension, and free from vegetable matter or other unsatisfactory material. This select material as defined herein and elsewhere in these	8

	specifications, shall be placed in layers not exceeding **2'** ~~9"~~ in depth, unless otherwise directed by the Engineer. Each lift shall be consolidated in such a manner that the backfill will meet the requirements of 90% maximum compaction. Care shall be taken not to disturb the backfill previously placed, and the Contractor shall at all times protect the pipe against flotation. All material from failed test to successful test shall be removed, recompacted and retested.	
05/28/10	**3.03 CONSTRUCTION** A. <u>Excavation</u>. The Contractor shall perform all excavation necessary or required for the construction of the facilities covered by these specifications. Excavations may be performed by either hand or machine methods and shall be of sufficient size to provide adequate space for working in accordance with safety regulations and practice and the Contract Drawings. Excavations shall include the removal and disposal of all materials of whatever nature and quantity including water, rock, decomposed granite, or any other type of soil or material, subsurface obstructions and also overhead obstructions which may interfere with the operation of equipment used on the work, **for no additional compensation**. Excavation for foundations shall be made only after construction of subgrade, as hereinafter described, has been completed. Over excavation for foundations shall be filled with concrete.	5

Change Legend:

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