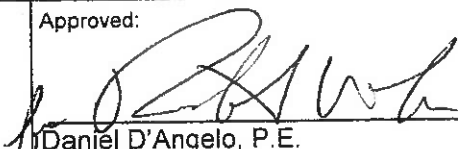


SUPERSEDED BY EB 15-031 EFFECTIVE 9/28/15		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 10-008
Title: UTILITY TRENCH EXCAVATION			
Distribution: ☒ Manufacturers (18) ☒ Local Govt. (31) ☒ Agencies (32)		Approved:  Daniel D'Angelo, P.E. Deputy Chief Engineer, Design Date: <u>5/5/10</u>	

ADMINISTRATIVE INFORMATION:

- **Effective Date:** This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of 01/06/11.
- **Superseded Issuances:** This EI does not supersede any other issuances.
- **Disposition of Shelf Note:** The shelf notes transmitted by this EI will be included into a future version of the Standard Specifications.

PURPOSE: The purpose of this EI is to issue revisions to Standard Specifications 663 Water Supply Utilities and 664 Sanitary Sewer Utilities.

TECHNICAL INFORMATION:

- Sections 663 – *Water Supply Utilities* and Section 664 *Sanitary Sewer Utilities* of the Standard Specifications have been revised to refer to the appropriate standard sheets for the required trench widths.
- Standard Sheets M664-1 & 664-01 were created to provide excavation limits for sewer pipe installations. Designers shall reference these standard sheets for all sewer pipe installation items. The Water Main sheets, M663-1R1 and 663-01 were revised to make the trench widths consistent.

IMPLEMENTATION: DQAB will insert the shelf notes for all projects containing “663” & “664” items beginning with projects for the letting of 01/06/11.

TRANSMITTED MATERIALS: Attached are both metric and US Customary Standard Specification shelf notes for revisions to sections 663 Water Supply Utilities and 664 Sanitary Sewer Utilities.

BACKGROUND: Excavation width requirements in the standard specifications sections 663-3.04 and 664-3.03 were inconsistent with Standard Sheets 663 *Water Main Pipe Installation Details* and 664 *Sanitary Sewer Main Pipe Installation Details*. All references within these standard specifications will now provide trench width minimums of 3 feet or 0.9 meters unless otherwise noted within the shelf notes. Minimum requirements for standard specifications sections 663-3.04 and 664-3.03 will provide a safe work environment for workers and machinery to maneuver safely within excavated trenches.

CONTACT: For additional information contact Neil Sergott of the Design Quality Assurance Bureau at (518)-485-5106, nsergott@dot.state.ny.us.

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Make the following changes to the Standard Specifications of May 4, 2006:

Page 662 - §663-3.04 Excavation and Backfill: Delete the first sentence in **Excavation and Backfill** and replace with the following: "Unless modified by contract documents, the requirements of section 206 *Trench, Culvert and Structure Excavation* shall apply except for trench widths for which the standard sheet – "*Water Main Pipe Installation Details*" shall apply."

Page 671 - §664-3.03 Excavation: Delete 664-3.03 in its entirety and replace with the following: "664-3.03 **Excavation.** The requirements of section 206 *Trench, Culvert and Structure Excavation* shall apply except for trench widths for which standard sheet "*Sanitary Sewer Main Pipe Installation Details*" shall apply."

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Make the following changes to the Standard Specifications of May 1, 2008:

Page 697 - §663-3.04 Excavation and Backfill: Delete the first sentence in **Excavation and Backfill** and replace with the following: "Unless modified by contract documents, the requirements of section 206 *Trench, Culvert and Structure Excavation* shall apply except for trench widths for which the standard sheet -- "*Water Main Pipe Installation Details*" shall apply."

Page 706 - §664-3.03 Excavation: Delete 664-3.03 in its entirety and replace with the following: "664-3.03 **Excavation.** The requirements of section 206 *Trench, Culvert and Structure Excavation* shall apply except for trench widths for which standard sheet "*Sanitary Sewer Main Pipe Installation Details*" shall apply."