**Proosed Water Main Above Existing Sewer Line with 18" Minimum Separation**

**Guidelines**
1. IF THE SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
2. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP FEET ON EITHER SIDE OF THE WATER MAIN.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.

**Existing Water Main**

**Proposed Sewer Line**

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**Proposed Water Main Below Existing Sewer Line with < 18" Min. Separation**

**Guidelines**

**Proposed Sewer Line Below Existing Water Main with Less Than 18" Separation**

**Guidelines**

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**The Requirements on This Detail Are Taken from the Standard Specifications for Water and Sewer Main Construction in Illinois (See Pages 160-173)**

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**Revised:**
1. 06/12/2015
2. 
3. 
4. 

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**Drawing Number:** UG-04b

**Date:** 04/15/2007

**Drawn:** EM

**Checked:** AW

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**City of Crystal Lake, Illinois**

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**Water and Sewer Separation Requirements**