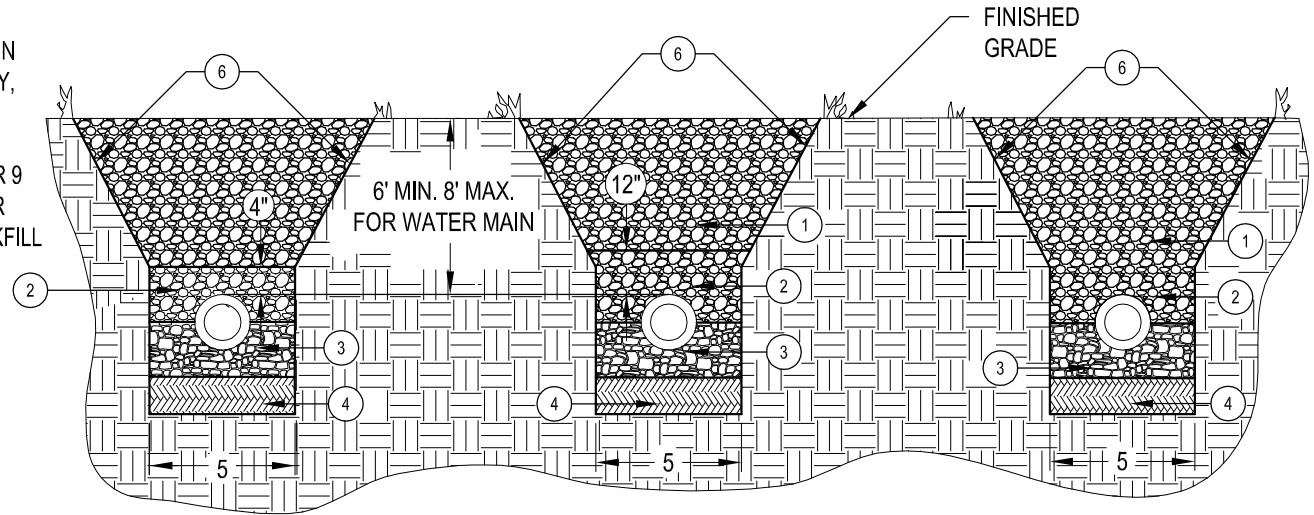


**LEGEND:**

- ① TRENCH BACKFILL TO SUBGRADE AND WITHIN 2 FEET OF PROPOSED PAVEMENT, DRIVEWAY, CURB AND GUTTER OR SIDEWALK. TRENCH BACKFILL MATERIALS SHALL BE IDOT APPROVED GRADATION CA-6, GRADE 7, 8, OR 9 COMPACTED TO 90% OF MODIFIED PROCTOR DENSITY. IN NON-STRUCTURAL AREAS BACKFILL WITH APPROVED EXCAVATED MATERIALS.
- ② INITIAL BACKFILL TO DEPTH AS INDICATED. MATERIAL SHALL BE IDOT APPROVED GRADATION CA-6, GRADE 7, 8, OR 9.
- ③ PIPE BEDDING SHALL BE FRACTURED GRANULAR MATERIAL IDOT GRADATION CA-7 OR CA-11 FROM 4 INCHES BELOW BOTTOM OF PIPE TO HORIZONTAL CENTER OF PIPE.
- ④ UNSUITABLE MATERIAL TO BE REMOVED WHERE DIRECTED BY THE ENGINEER AND REPLACED WITH COMPACTED SUITABLE MATERIAL.
- ⑤ TRENCH WIDTH:  
PIPE O.D. + 12 INCHES MINIMUM  
PIPE I.D. + 18 INCHES MAXIMUM
- ⑥ CONTRACTORS SHALL COMPLY WITH ALL CURRENT OSHA STANDARDS.



**SECTION A:**  
WATER MAIN DIP

FORCE MAIN DIP

SANITARY SEWER MAIN  
& SERVICES DIP

**SECTION B:**  
SANITARY SEWER MAIN  
& SERVICES (PVC)

STORM SEWER (PVC)

WATER MAIN, C909 FORCE MAIN  
(PVC) (HDPE)

**SECTION C:**  
STORM SEWER (RCP)

\* NOTE: ALL DUCTILE IRON SHALL BE SUBJECT TO POLY WRAP PER CITY ENGINEER

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

Drawing Name
<b>TYPICAL TRENCH CROSS SECTION</b>

Drawing Number
<b>UG-03</b>
Date: 05/29/2015
Drawn      Checked
JH              AW



City of  
**Crystal Lake**  
Illinois