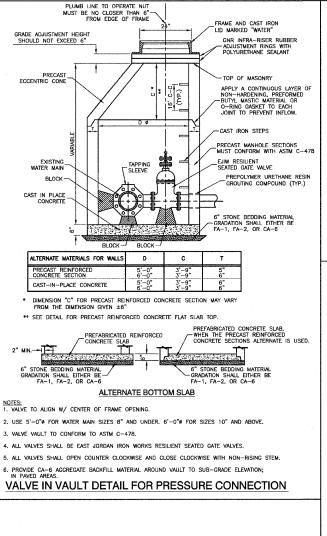
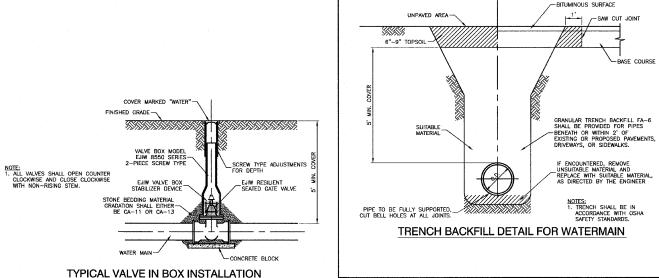
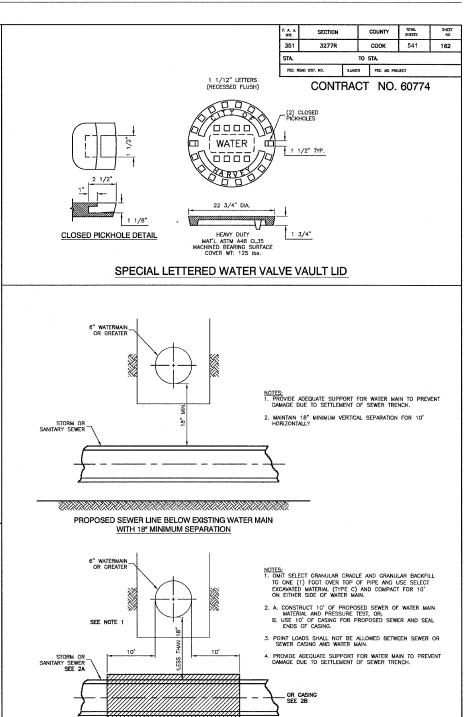


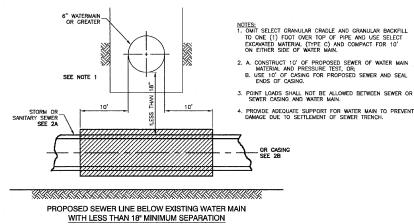
- 3. VALVE VAULT TO CONFORM TO ASTM C-478.
- 4. ALL VALVES SHALL BE EAST JORDAN IRON WORKS RESILIENT SEATED GATE VALVES.
- 5. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
- PROVIDE CA-6 AGGREGATE BACKFILL MATERIAL AROUND VAULT TO SUB-GRADE ELEVATION; IN PAYED AREAS.

VALVE IN VAULT DETAIL

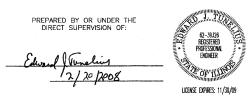








WATER AND SEWER SEPARATION REQUIREMENTS



-BASE COURSE

REVISIONS DATE

NOTE: TYPE C MATERIAL TO BE COMPACTED TO 90% OF MODIFIED PROCTOR MAXIMUM DENSITY

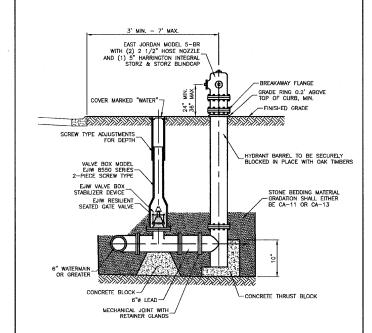
ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED WATERMAIN RELOCATION STANDARD DETAILS

SCALE: VERT. NONE HORIZ. NONE DATE 2/29/08

DRAWN BY PS CHECKED BY EJT

N ENGINEERING, LTD. AVENUE SOUTH HOLLAND, ILLINOIS 60473 FAX (708) 331-3826



TYPICAL WATER SERVICE INSTALLATION

<u>XTES:</u> HYDRANTS SHALL BE INSTALLED FACING TOWARD THE CURB. NO HYDRANT SHALL BE INSTALLED WITHIN 48" OF ANY OBSTRUCTION NOR SHALL ANY OBSTRUCTION BE PLACED WITHIN 48" OF A HYDRANT, ALL HYDRANTS AND VALVE BOX COVERS SHALL BE PAINTED SAFETY RED BY THE MANUFACTURE

- 2. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
- 3. HYDRANT DRAIN HOLE SHALL BE FREE OF CONCRETE.

FIRE HYDRANT INSTALLATION