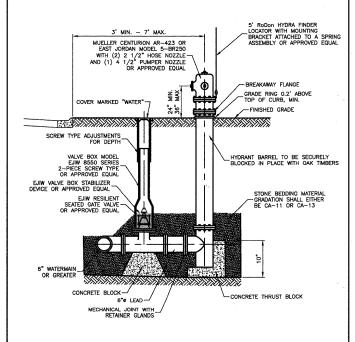


NOTE: 1. BUFFALO BOX ON WATER SERVICE LINES SHALL BE INSTALLED IN THE CENTER OF THE LOT, IN THE PARKWAY, AND NEVER IN SIDEWALK OR DRIVEWAY.

PLAN

### TYPICAL WATER SERVICE INSTALLATION



<u>OTES:</u>

THORANTS 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 SHALL BE PAINTED SAFETY RED BY THE MANUFACTURER.

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

FILE NAME = 09353-DTLS-01 - IDOT P02

#### FIRE HYDRANT INSTALLATION

USER NAME

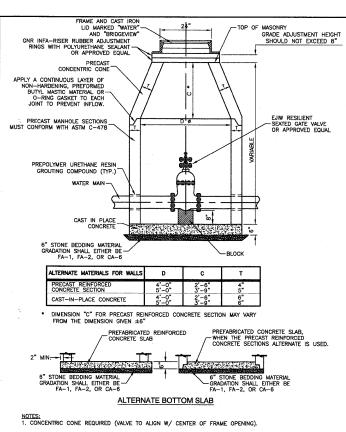
PLOT SCALE = PLOT DATE = 12/23/10 DESIGNED -- PKB

DRAWN -- PS

CHECKED --- AG

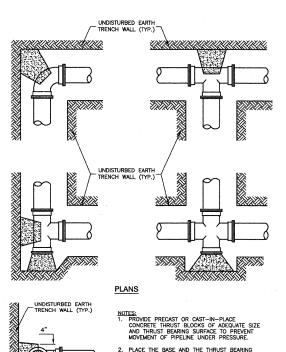
-- PKB

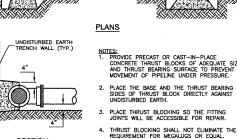
CHECKED



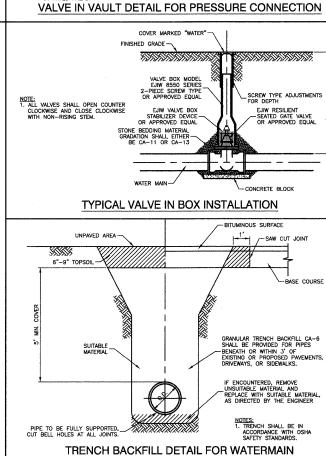
- 5. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM.
- PROVIDE CA--6 AGGREGATE BACKFILL MATERIAL AROUND VAULT TO SUB-GRADE ELEVATION; IN PAVED AREAS.

## VALVE IN VAULT DETAIL





# TYPICAL THRUST BLOCK INSTALLATIONS



\* DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTION MAY VARY FROM THE DIMENSION GIVEN  $\pm 6$ "

PREFABRICATED REINFORCED
CONCRETE SLAB

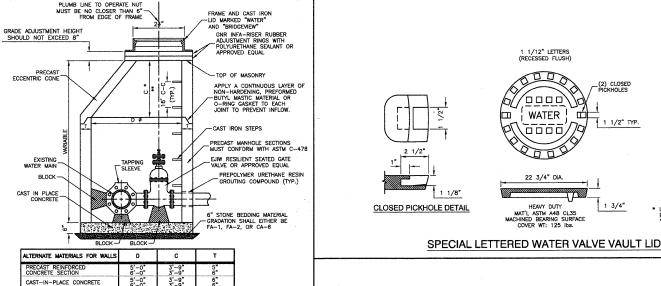
2. USE 5'-0"# FOR WATER MAIN SIZES 8" AND UNDER. 6'-0"# FOR SIZES 10" AND ABOVE

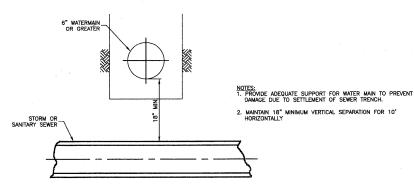
4. ALL VALVES SHALL BE EAST JORDAN IRON WORKS RESILIENT SEATED GATE VALVES OR APPROVED EQUAL

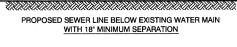
5. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM. 6. PROVIDE CA-6 AGGREGATE BACKFILL MATERIAL AROUND VAULT TO SUB-GRADE ELEVATION; IN PAYED AREAS.

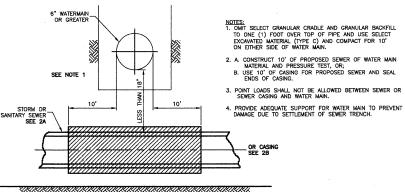
\*\* SEE DETAIL FOR PRECAST REINFORCED CONCRETE FLAT SLAB TOP

 $\frac{\text{NOTES:}}{1. \text{ VALVE TO ALIGN W/ CENTER OF FRAME OPENING.}}$ 



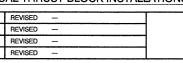






PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH LESS THAN 18" MINIMUM SEPARATION NOTE: TYPE C MATERIAL TO BE COMPACTED TO 90% OF MODIFIED PROCTOR MAXIMUM DENSITY

### WATER AND SEWER SEPARATION REQUIREMENTS



STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

PRECAST ECCENTRIC CONE

BLOCK -

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71ST STREET CONSTRUCTION DETAILS					F.A.U. RTE.		SECTION			COUNTY	TOTAL SHEETS	SHEET NO.	
					1537	06-00050-00-GS			COOK	209	70		
									CONTRACT NO. 63556				
	SCALE:	SHEET NO. 70 OF 209 SHEETS	STA.	TO STA.		FED. RO	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					9003(709)	