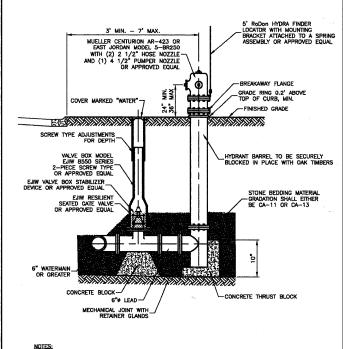
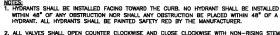


## TYPICAL WATER SERVICE INSTALLATION

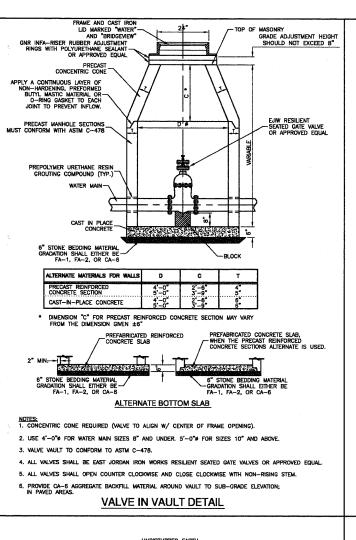


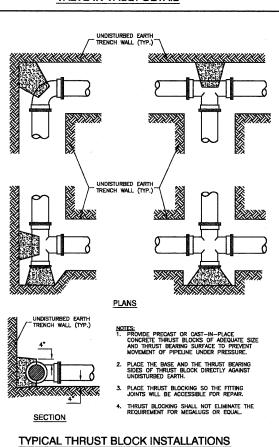


- 2. ALL VALVES SHALL OPEN COUNTER CLOCKWISE AND CLOSE CLOCKWISE WITH NON-RISING STEM
- 3. HYDRANT DRAIN HOLE SHALL BE FREE OF CONCRETE.

39960vav nadadvavaka lakkindano

#### FIRE HYDRANT INSTALLATION





# PLUMB LINE TO OPERATE NUT MUST BE NO CLOSER THAN 6"-FROM EDGE OF FRAME Frame and Cast Iron -LID Marked "Water" and "Bridgeview" GRADE ADJUSTMENT HEIGHT SHOULD NOT EXCEED 8" GNR INFA-RISER RUBBER ADJUSTMENT RINGS WITH POLYURETHANE SEALANT O APPROVED EQUAL APPLY A CONTINUOUS LAYER OF NON-HARDENING, PREFORMED -BUTYL MASTIC MATERIAL OR O-RING GASKET TO EACH JOINT TO PREVENT INFLOW. EJIW RESILIENT SEATED GATE VALVE OR APPROVED EQUAL \_ Tapping Sleeve PREPOLYMER URETHANE RESINGROUTING COMPOUND (TYP.) ALTERNATE MATERIALS FOR WALLS D DIMENSION "C" FOR PRECAST REINFORCED CONCRETE SECTION MAY VARY FROM THE DIMENSION GIVEN $\pm 6$ " \* SEE DETAIL FOR PRECAST REINFORCED CONCRETE FLAT SLAB TOP

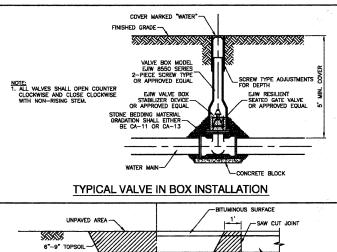
ALTERNATE BOTTOM SLAB

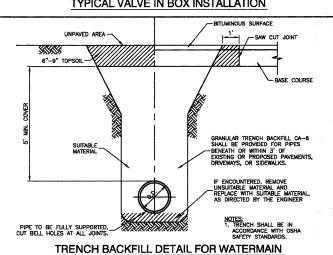
- NOTES:

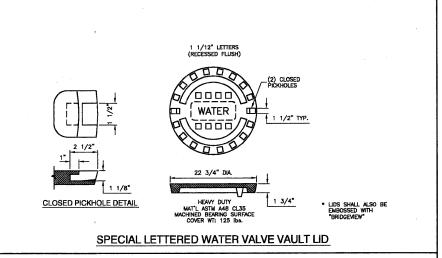
  1. VALVE TO ALIGN W/ CENTER OF FRAME OPENING. 2. USE 5'-0"ø FOR WATER MAIN SIZES 8" AND UNDER. 6'-0"ø FOR SIZES 10" AND ABOVE.
- 3. VALVE VAULT TO CONFORM TO ASTM C-478.

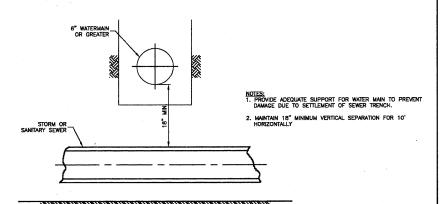
- PROVIDE CA-6 AGGREGATE BACKFILL MATERIAL AROUND VAULT TO SUB-GRADE ELEVATION; IN PAVED AREAS.

### VALVE IN VAULT DETAIL FOR PRESSURE CONNECTION

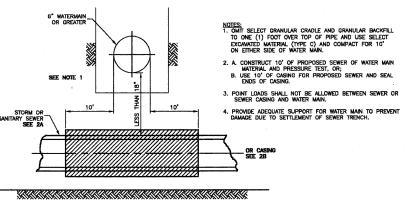








PROPOSED SEWER LINE BELOW EXISTING WATER MAIN WITH 18" MINIMUM SEPARATION



#### 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

FILE NAME = 09353-DTLS-01 - IDOT P02	USER NAME ==	DESIGNED	_	РКВ	REVISED	_
		CHECKED	_	PKB	REVISED	
	PLOT SCALE =	DRAWN	-,	PS	REVISED	ALL
	PLOT DATE = 12/23/10	CHECKED		AG	REVISED	_

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

71ST STREET			F.A.U. RTE.	SECTION			COUNTY	TOTAL SHEETS	SHEET NO.		
CONSTRUCTION DETAILS				1537	06-00050-00-GS		COOK	209	70		
CONSTRUCTION DETAILS			CONTRACT NO. 63556								
ALE:	SHEET NO. 70 OF 209 SHEETS	STA.	F TO STA.		FED. RO	AD DIST. NO. 1	ILLINOIS	FED. Al	D PROJECT CRE-	3003(709)	