

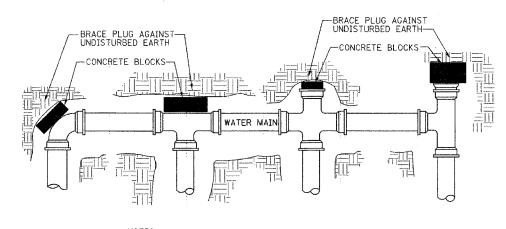
SHEETS NO.

800 391B

COUNTY

LAKE

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



NOTES:

- PROVIDE THRUST BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT ALL BENDS, TEES, CAPS, VALVES, HYDRANTS, AND AT POINTS SPECIFIED BY THE ENGINEER.
- 2. ALL BLOCKING SHALL BE MADE WITH CONCRETE BLOCKS AGAINST UNDISTURBED VERTICAL EARTH SURFACE.
- 3. ALTERNATE METHODS OF RESTRAINING WATER MAIN COMPONENTS SHALL REQUIRE THE APPROVAL OF THE VILLAGE ENGINEER.
- 4. NO WOOD IS ALLOWED IN THE THRUST BLOCKS.
- 5. MEGALUGS SERIES 1100 OR APPROVED EQUAL ARE REQUIRED AT ALL JOINTS.

-STANDARD FRAME AND LID -PROP. GRADE PRECAST CONC. ADJUSTING RINGS (2 RINGS MAX. FOR A TOTAL OF 8") -CONCENTRIC CONE -PLUMB LINE TO OPERATING NUT MUST NOT BE CLOSER THAN 3" FROM EDGE OF FRAME OPENING. 5''(48'' V.V,)--PRECAST CONC. RING CONSTRUCTION A.S.T.M. C-478 WITH TONGUE AND GROOVE JOINTS VALVE S''(60'' V.V.)─ SEAL SPACE AROUND WATERMAIN WITH MASONRY AND BRICKS WATERMAIN--WATERMAIN DRY BRICK SUPPORTS FOR VALVE REINFORCED PRECAST CONCRETE MIN. 4' BOTTOM SECTION. STANDARD BEDDING MATERIAL 4' FOR 6" VALVE 5' FOR 8" & LARGER VALVES -UNDISTURBED EARTH

NOTES:

RIGHT OF WAY LINE OR

ROADWAY SIDE OF SIDEWALK

1. WATER MAIN 8 INCHES OR MORE IN DIAMETE SHALL REQUIRE A 60 INCH DIAMETER VALVE VAULT: WATER MAIN LESS THAN 8 INCHES IN DIAMETER SHALL REQUIRE A 48 INCH VALVE VAULT

F.A. RTE.

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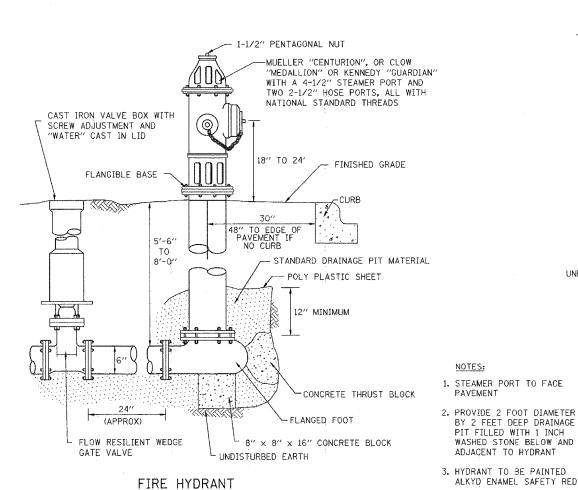
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SECTION

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- 2. INSTALL MINIMUM 4" OF SELECTED GRANULAR BACKFILL UNDER STRUCTURE BOTTOM SECTION AND FILL ENTIRE EXCAVATION ALL AROUND STRUCTURE UP TO C.L. OF PIPE WITH BEDDING MATERIAL.
- 3. PIPE OPENINGS SHALL BE CAST INTO WALL.
- 4. STRUCTURE FRAME, ADJUSTING RINGS, AND ALL CONCRETE SECTIONS SHALL BE SET ON AND SEALED WITH BITUMINOUS MASTIC JOINT MATERIAL.
- 5. FILL LUG HOLES WITH BITUMINOUS JOINING COMPOUND.
- VALVE VAULT BARREL SECTIONS SHALL CONFORM TO A.S.T.M. 478 AS DESCRIBED IN THE STANDARD SPEC-IFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS, 5TH EDITION MAY 1996.

THRUST BLOCK



CORPORATION STOP WITH COUPLING DIRECT CONNECTION WATER MAIN--CURB STOP CONCRETE BRICK UNDISTURBED EARTH -UNDISTURBED EARTH

"MINNEAPOLIS" TYPE BOX-

GRADE

VALVE VAULT

GRADE

/8TH BEND TAILPIECE-

UNDISTURBED EARTH OR CONCRETE BRICKS

- 1. USE AN EXTRA TWO FEET OF COPPER WATER SERVICE CONNECTION BETWEEN THE CORPORATION STOP AND THE CURB STOP TO SERVE AS STRAIN RELIEF.
- 2. CURB BOX SHALL HAVE A PLUG TYPE LID.

TAP SERVICE PIPING—/ COPPER TUBE-TYPE "K" 1" DIAMETER MIN.

3. SEE EXHIBIT NO. 13 FOR APPROVED FITTING DESCRIPTIONS.

1'' = 25mm, 1 Foot = 300mm

REVISIONS NAME ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 22 FROM US RTE 12 TO BEUSCHING RD DETAILS SANITARY SEWER AND WATER MAIN RELOCATION

WATER SERVICE CONNECTION

DATE 09/06/02