

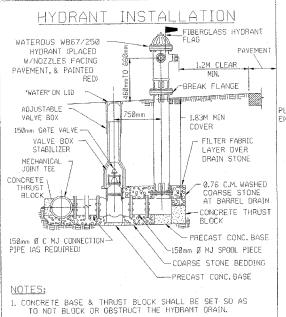
- 4. A FLAT TOP SLAB MAY BE USED ONLY WHEN FIELD CONDITIONS PREVENT THE USE OF A CONE RISER SECTION AND ONLY WHEN AUTHORIZED BY THE ENGINEER OR SPECIFICALLY INDICATED ON THE PLANS.
- 5. ALL JOINTS BETWEEN THE VARIOUS STRUCTURE COMPONENTS (BASE, RISERS, CONE, TOP SLAB, ADJUSTMENT RINGS AND FRAME CASTING) SHALL BE AS INDICATED IN THE
- 6. STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF 100mm AND SHALL NOT PROJECT OUTSIDE OF THE STRUCTURE, HOLES IN THE EXTERIOR WALL SURFACE DUE TO STEPS SHALL BE SEALED WITH GROUT.
- FRAME, LID CASTINGS, AND STEPS SHALL BE AS INDICATED ON THE PLANS OR IN THE SPECIFICATIONS.
- 8. CONTRACT UNIT PRICES FOR THE VARIOUS STRUCTURES TO BE INSTALLED SHALL INCLUDE THE SPECIFIED CASTINGS AND STEPS, NECESSARY ADJUSTMENT RINGS, INDICATED CONDUIT CHANNEL AND BENCH, AND REQUIRED GRANULAR CUSHION.

CONCRETE SLAB **ALTERNATE** CONFIGURATIONS

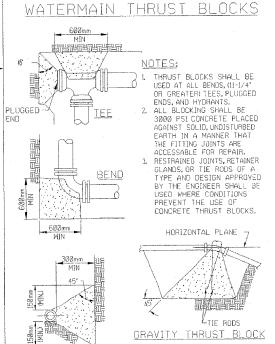
NOTES: A FLAT SLAB TOP MAY BE USED ON THE MANHOLES, CATCH BASINS, AND VALVE VAULTS WHEN FIELD CONDITIONS PREVENT THE USE OF A CONE SECTION OR WHEN REDUIRED BY THE ENGINEER.

SLAB DETAILS, CONCRETE QUALITY, & REINFORCING SHALL BE IN ACCORDANCE WITH IDOT STANDARD NO.

602601 & 602406.
THE COST OF FURNISHING & INSTALLING A FLAT SLAB TOP SHALL BE INCLUDED IN THE UNIT PRICE FOR MANHOLES, CATCH BASINS, OR VALVE VAULTS AND SHALL NOT BE IN PAY ITEM.



MAXIMUM COVER AT VALVE SHALL BE 2.29M. 3. THE CONTRACT UNIT PRICE FOR FIRE HYDRANTS SHALL INCLUDE THE GATE VALVE, VALVE BOX, SPOOL PIECE, THRUST BLOCKS, CONCRETE BASES, STONE BACKFILL, AND FARRIC INDICATED.



YPICAL SECTION

WM-5

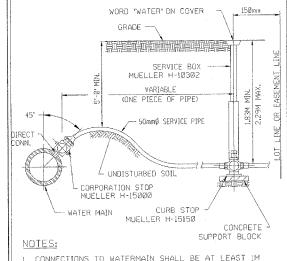
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CASTING) SHALL BE SEALED WATER TIGHT WITH A CONTINUOUS

LAYER OF NON-HARDENING PREFORMED BITUMINOUS MASTIC.

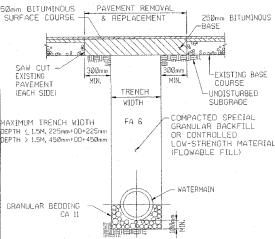
PLACED BETWEEN THE TWO ADJACENT COMPONENTS.



CONNECTIONS TO WATERMAIN SHALL BE AT LEAST 1M FROM PIPE JOINTS, WHERE TWO OR MORE CONNECTIONS ARE MADE, THEY SHALL BE AT LEAST 450mm APART.

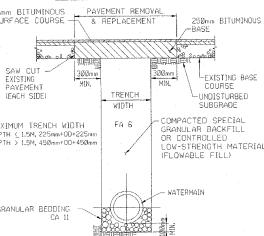
THE CONTRACT UNIT PRICE FOR BUILDING WATER SERVICE SHALL INCLUDE THE CORPORATION STOP, CURB STOP, AND SERVICE BOX INDICATED.

TRENCH & PAVEMENT CROSSING DETAIL



PAYMENT FOR REMOVAL AND REPLACEMENT OF PAVEMENTS SHALL BE LIMITED TO TRENCH WIDTH PLUS 600mm. REMGVAL AND REPLACEMENT OUTSIDE OF THIS AREA SHALL BE AT THE CONTRACTOR'S EXPENSE.

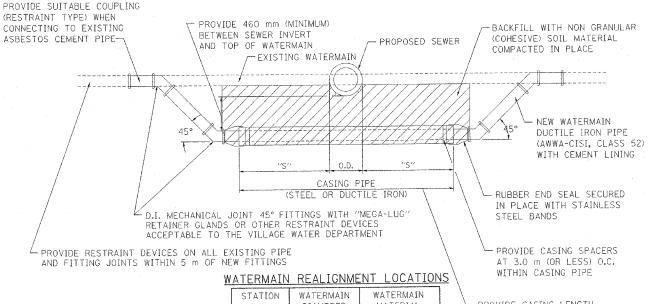
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I. IF WEATHER OR CONSTRUCTION CONDITIONS DELAY INSTALLATION OF BITUMINOUS PAVEMENT, THE CONTRACTOR SHALL INSTALL AND MAINTAIN A TEMPORARY AGGREGATE SURFACE (CA 8) UNTIL CONDITIONS ALLOW INSTALLATION OF BITUMINOUS PAVEMENT.

WATERMAIN REALIGNMENT DETAIL

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CASIN	<u>G PIPE SIZE</u>
WATERMAIN	CASING PIPES
150mm (6")	406mm (16") DIAMETER
200mm (8")	406mm (16") DIAMETER
250mm (10")	508mm (20") DIAMETER
300mm (12")	508mm (20") DIAMETER

STATION	WATERMAIN DIAMETER	WATERMAIN MATERIAL
103+263±	300mm(12'')	DUCTILE IRON
103+775±	300mm(12′′)	DUCTILE IRON
103+906±	300mm(12'')	DUCTILE IRON
104+137±	300mm(12")	DUCTILE IRON
104+164±	300mm(12")	DUCTILE IRON
104+362±	300mm(12")	DUCTILE IRON
103+646±	300mm(12")	DUCTILE IRON
104+008±	300mm(12")	DUCTILE IRON

- PROVIDE CASING LENGTH SO THAT DIMENSION "S" IS 3.1 m (MIN.) AS MEASURED PERPENDICULAR TO SEWER

REVISIONS DATE	ILLINOIS DEPARTMENT (IL RTE 22 (F IL RTE 83 TO US 45 / IL WATERMAIN DRAWING	AP 337) . 21 (MILWAUKEE AVE) DETAILS
	SHEET SCALE: NONE	OF DRAWN BY: TCK
	DATE: 3-22-2004	CHECKED BY: CMS

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