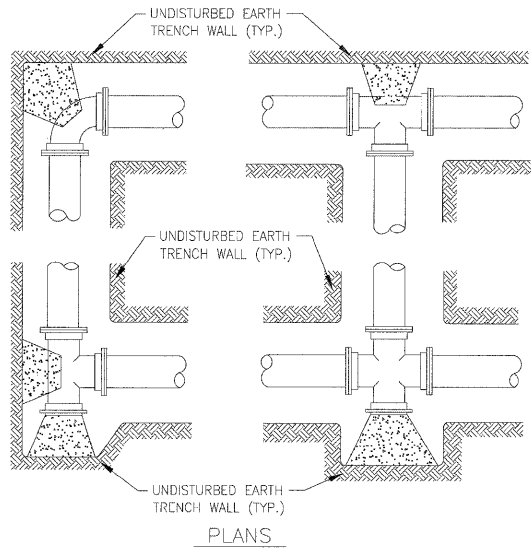


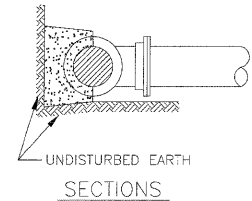
DATE	
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NOTE BOOK NO.	
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VILLAGE OF ITASCA, ILLINOIS

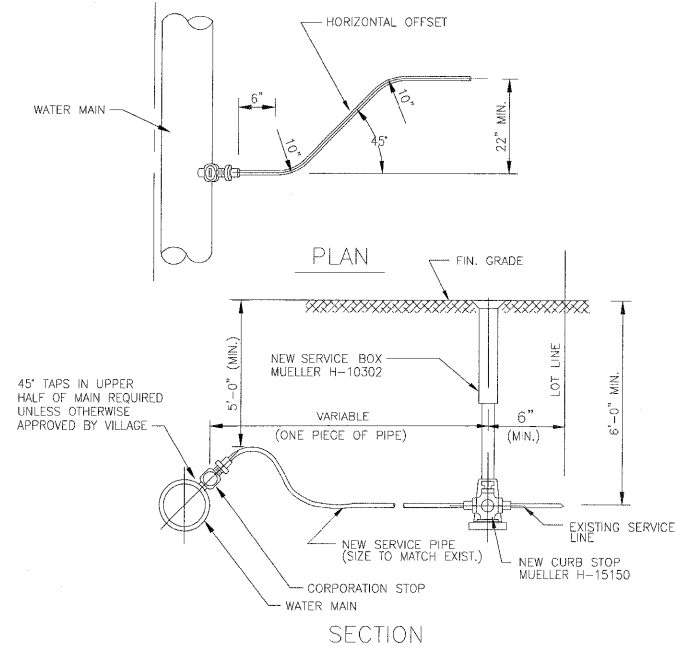


- NOTES:
1. PROVIDE PRECAST OR CAST-IN-PLACE CONCRETE THRUST BLOCKS OF ADEQUATE SIZE AND THRUST BEARING SURFACE TO PREVENT MOVEMENT OF PIPELINE UNDER PRESSURE.
 2. PLACE THE BASE AND THRUST BEARING SIDES OF THRUST BLOCK DIRECTLY AGAINST UNDISTURBED EARTH.
 3. PLACE THRUST BLOCKING SO THE FITTING JOINTS WILL BE ACCESSIBLE FOR REPAIR.



WATERMAIN THRUST BLOCKING DETAILS
NO SCALE

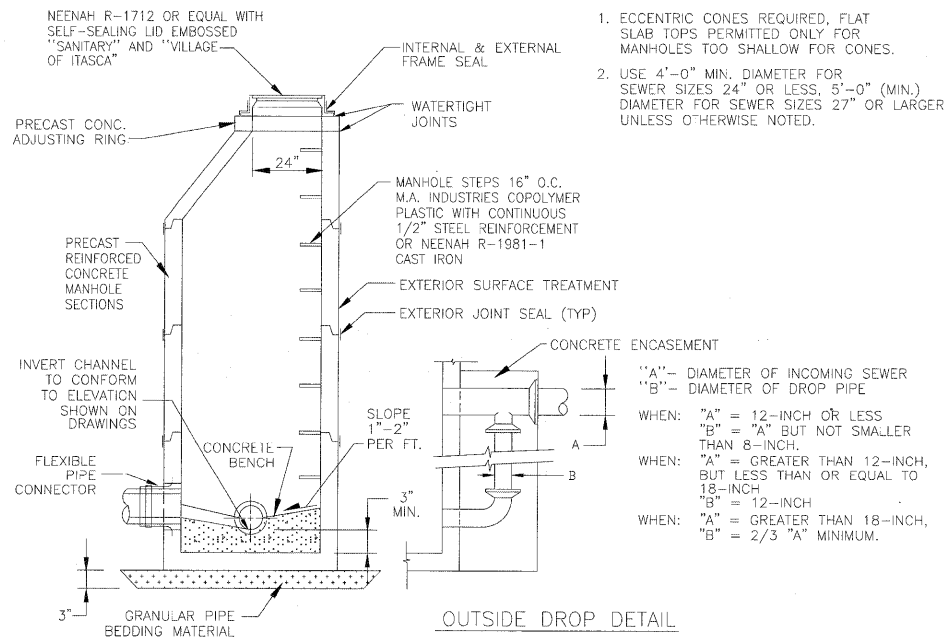
VILLAGE OF ITASCA, ILLINOIS



SERVICE PIPE	CORP. STOP	CURB STOP	SERVICE BOX
1"	1"	1 1/4"	2 1/2"
1 1/4"	1 1/4"	1 1/4"	3"
1 1/2"	1 1/4"X1 1/2"	1 1/2"	3"
2"	1 1/2"X2"	2"	3"

WATER SERVICE INSTALLATION
NO SCALE

VILLAGE OF ITASCA, ILLINOIS

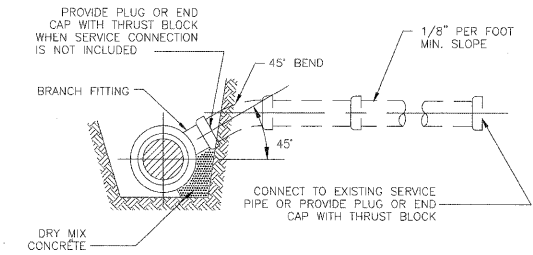


- NOTE:
1. ECCENTRIC CONES REQUIRED, FLAT SLAB TOPS PERMITTED ONLY FOR MANHOLES TOO SHALLOW FOR CONES.
 2. USE 4'-0" MIN. DIAMETER FOR SEWER SIZES 24" OR LESS, 5'-0" (MIN.) DIAMETER FOR SEWER SIZES 27" OR LARGER UNLESS OTHERWISE NOTED.

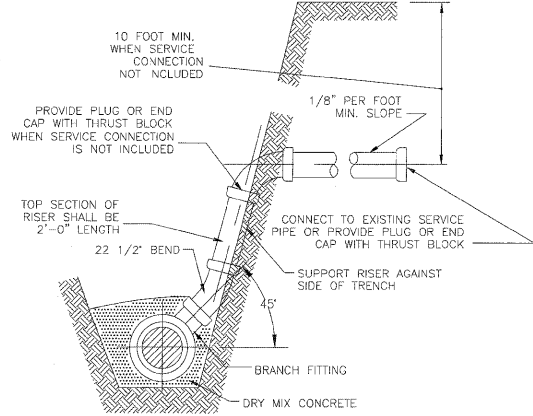
SANITARY MANHOLE DETAIL
NO SCALE

NOTE:
USE OUTSIDE DROP WHEN ANY ENTERING SEWER INVERT DIFFERS BY 2'-0" OR MORE FROM INVERT OF MANHOLE.

VILLAGE OF ITASCA, ILLINOIS



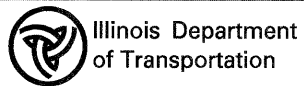
SANITARY SEWER SERVICE DETAIL
FOR SEWER INVERT DEPTHS TO 12 FEET (NEW CONSTRUCTION)



SANITARY SEWER SERVICE RISER DETAIL
FOR SEWER INVERT DEPTHS OVER 12 FEET (NEW CONSTRUCTION)



USER NAME = (user-name)	DESIGNED - SMV	REVISED - 8-27-10 VILLAGE REVIEW
PLOT CONFIG = PDF22X34.plt	DRAWN - UKB	REVISED - 11-2-10 I.D.O.T. REVIEW
PLOT SCALE = 1:1	CHECKED - SMV	REVISED -
PLOT DATE = 11/24/2010 9:37:18 AM	DATE - 7-30-10	REVISED -



**ILLINOIS ROUTE 53
WATER AND SEWER REPLACEMENT DETAILS**

SCALE: NONE SHEET NO. * OF * STA. TO STA.

F.A.U. R.T.E. 2578	SECTION 532B	COUNTY DUPAGE	TOTAL SHEETS 781	SHEET NO. 363
CONTRACT NO. 60477				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				