

FOR TRENCHES IN EXISTING OR PROPOSED PAVEMENT

TYPICAL TRENCH DETAIL

TRENCH WIDTH

\*\* FOR FLEXIBLE THERMOPLASTIC PIPE COMPLY WITH ASTM D2321, CLASS IA, IB, OR II., (IDOT GRADATION CA15)

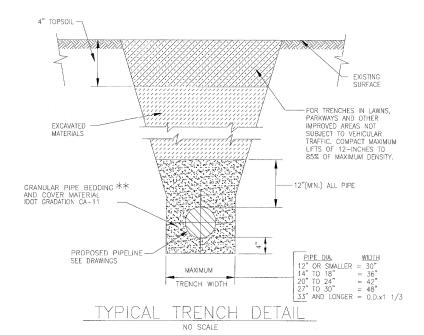
FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.

6" TOPSOIL IMPROVED AREAS NOT SUBJECT TO VEHICULAR TRAFFIC. COMPACT TO COMPACTED CA-6 GRANULAR BACKFILL MATERIAL 85% OF MAXIMUM DENSITY GRANULAR PIPE BEDDING \*\*
AND COVER MATERIAL
IDOT GRADATION CA-11 ---12"(MIN.) ALL PIPE PROPOSED PIPELINE PPE DIA. WIDTH
12" OR SMALLER = 30"
14" TO 18" = 36"
20" TO 24" = 42"
27" TO 30" = 48"
33" AND LONGER = 0.D.X1 1/3 SEE DRAWINGS MAXIMUM TRENCH WIDTH

TRENCH DETAIL NO SCALE

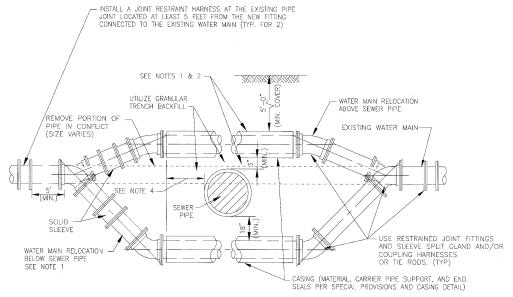
FOR TRENCHES OUTSIDE OF PROPOSED PAVEMENT AND WITHIN RIGHTS-OF-WAYS \*\* FOR FLEXIBLE THERMOPLASTIC OR HDPE PIPE COMPLY WITH ASTM 2321, CLASS | OR |||.

FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.



FOR TRENCHES IN UNPAVED AREAS OUTSIDE RIGHTS-OF-WAY \*\* FOR FLEXIBLE THERMOPLASTIC OR HDPE PIPE COMPLY WITH ASTM 2321, CLASS : OR II.

FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.



11-02-2009

- CLASS D PATCH, TYPE IV 6" THICK

-12"(MIN.) ALL PIPE

PIPE DIA. WIDTH
12" OR SMALLER = 30"
14" TO 18" = 36"
20" TO 24" = 42"
27" TO 30" = 48"

20" TO 24" = 42" 27" TO 30" = 48" 33" AND LONGER = 0.D.x1 1/3

NOTES: 1. ONLY TO BE USED IF WATER MAIN CANNOT CROSS ABOVE PROPOSED SEWER AND MAINTAIN THE REQUIRED 18" OF SEPARATION.

- 2. WHEN WATER MAIN CROSSES ABOVE SEWER AND MAINTAINS THE REQUIRED 18" OF SEPARATION, THE CASING PIPE IS NOT REQUIRED.
- 3. WATER MAIN RELOCATIONS ARE SUBJECT TO INSPECTION AT NORMAL SYSTEM PRESSURE BEFORE BACKFILLING.

DESIGNED

DRAWN

CHECKED

SMV

UKB

SMV

7-30-10

- 4. USE ONLY 45 DEGREE BENDS UNLESS OTHERWISE PERMITTED BY THE VILLAGE OF ITASCA.
- CASING MUST EXTEND A MINIMUM OF 10 FEET BEYOND OUTSIDE EDGE OF SEWER PIPE ON BOTH SIDES OF SEWER.

REVISED

REVISED

REVISED

REVISED -8-27-10 VILLAGE REVIEW

WATER MAIN RELOCATION - DUCTILE IRON PIPE

Illinois Department of Transportation

TOTAL SHEE SHEETS NO. **ILLINOIS ROUTE 53** 2578 DUPAGE 781 364 WATER AND SEWER REPLACEMENT DETAILS CONTRACT NO. 60477

PLOT SCALE = 1:1

9:39:23 AM DATE I:\Crustal Lake\ITASV\100547-Rt 53 W and S\CADD-SURVEY\DRAWINGS\DGNS\B&W-Details-sht.do

FLEXIBLE WATERTIGHT COUPLING REMOVE PORTION OF PIPE IN CONFLICT -NEW WATER MAIN OR NEW STORM SEWER EXISTING SANITARY SEWER SERVICE -NEW P.V.C. PIPE AND FITTINGS -FLEXIBLE WATERTIGHT -EXISTING SANITARY SEWER

RELOCATION/LOWERING OF SANITARY SEWER SERVICE DETAIL

SHEET NO. # OF # STA. SCALE: NONE

TO STA.

PLOT CONFIG= PDF22X34.plt