

FOR TRENCHES IN EXISTING OR PROPOSED PAVEMENT

** 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.

COMPACTED CA-6 GRANULAR
BACKFILL MATERIAL

CRANULAR PIPE BEDDING **
AND COVER MATERIAL

DOT GRADATION CA-11

PROPOSED PIPELINE

SEE DRAWINGS

MAXIMUM
TRENCH WIDTH

TRENCH WIDTH

TRENCH WIDTH

TRENCH WIDTH

EXISTING
SURFACE

IMPROVED AREAS NOT
SUBJECT TO VEHICULAR
TRAFFIC. COMPACT TO
85% OF MAXIMUM DENSITY.

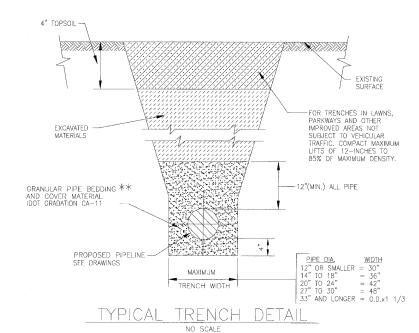
PIPE DIA.
WIDTH
12" OR SMALLER = 30"
14" TO 18" = 35"
20" TO 24" = 42"
21" TO 30" = 48"
33" AND LONGER = 0.D.x1 1/3

TYPICAL 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 |||.

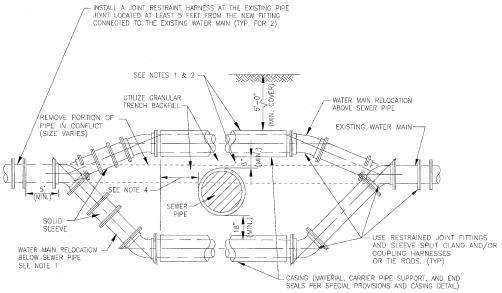
FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.



FOR TRENCHES IN UNPAVED AREAS OUTSIDE RIGHTS-OF-WAY

** FOR FLEXIBLE THERMOPLASTIC OR HDPE PIPE COMPLY WITH
ASTM 2321, CLASS I OR II.

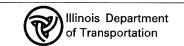
FOR RIGID PIPE COMPLY WITH ASTM C12, BEDDING CLASS B.



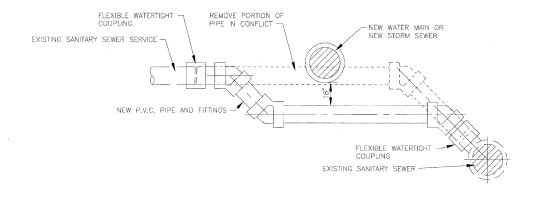
NOTES: 1. ONLY TO BE USED IF WATER MAIN CANNOT CROSS ABOVE PROPOSED SEWER AND MAINTAIN THE REQUIRED 18" OF SEPARATION.

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

WATER MAIN RELOCATION - DUCTILE IRON PIPE NO SCALE



SCALE: NONE



RELOCATION/LOWERING OF SANITARY SEWER SERVICE DETAIL

PROFILE SURREYED BY DATE
PLOTE BOOK GARES CHECKED
NO.
STRUCTURE NOTATING CHIKO

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