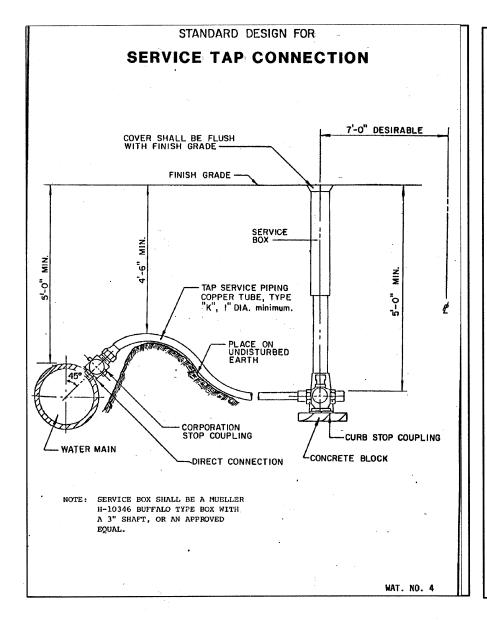
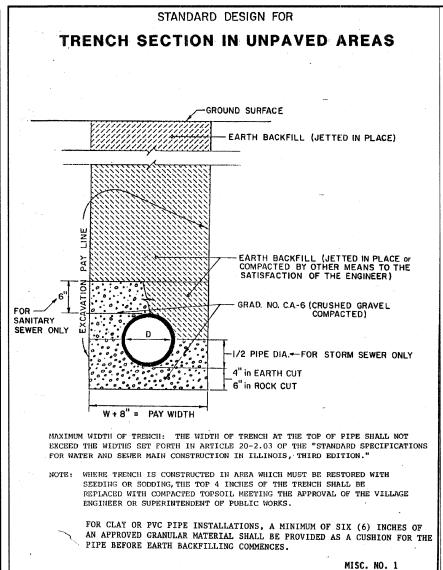
- PIPE MATERIALS FOR WATER MAIN SHALL BE CLASS 52 DUCTILE IRON WITH A CEMENT MORTAR LINING AND A MINIMUM WORKING PRESSURE OF 150 P.S.I. ALL FITTING SHALL BE CAST IRON WITH A CEMENT MORTAR LINING AND A WORKING PRESSURE OF 250 P.S.I. ALL MATERIAL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
- ANSI A21.51 DUCTILE CAST IRON (ALL JOINT TYPES) CENTRIFUGALLY CAST IN METAL MOLDS OR SAND LINED MOLDS FOR WATER OR OTHER LIQUIDS.

 ANSI A21.4 CEMENT MORTAR LINING FOR PIPES AND FITTINGS.

 ANSI A21.50 USE TO DETERMINE WALL THICKNESS FOR DUCTILE CAST IRON UNDERGROUND PIPES.
- 2. FIRE HYDRANTS, VALVES, AND SERVICES SHALL BE INSTALLED ACCORDING TO STANDARD SPECIFICATIONS AND CURRENT VILLAGE STANDARDS AND DETAILS. MATERIALS SHALL MEET VILLAGE REQUIREMENTS.
- 3. VALVE AND VALVE VAULTS SHALL BE IN ACCORDANCE WITH DETAILS INCLUDED WITH THE PLANS AND THE REQUIREMENTS OF THE VILLAGE.
- 4. TESTING AND CHLORINATION ALL PIPES SHALL BE SUBJECT TO PRESSURE LEAKAGE TESTING IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS
 AND THE REFERENCED SECTION OF THE AWWA STANDARDS. THE PRESSURE
 TEST PERIOD SHALL BE 4 HOURS AT 150 P.S.I., MINIMUM.
- 5. THE WORK SHALL INCLUDE ALL EXCAVATION INCLUDING SATISFACTORY DISPOSAL OF EXCESS MATERIAL.



TRENCH SECTION IN PROPOSED PAVED AREAS (FOR SANITARY SEWERS, STORM SEWERS, AND WATER MAINS) PROVIDE DETECTABLE PAVEMENT SUBGRADE CITY REQUIREMENTS -SELECT GRANULAR BACKFILL -PAYMENT LIMITS FOR SANITARY SEWERS _GRAD.NO. C.A.—6 (CRUSHED GRAVEL COMPACTED OR OTHER GRANULAR MATERIAL ACCEPTABLE TO THE CITY ENGINEER OR SUPT. OF PUBLIC PROPERSION OF THE CITY OF PUBLIC PROPERSION OF THE CITY OF THE CI 12" FOR SANITARY SEWER ANGULAR CRUSHED GRANIII AR MATERIAL PER ASTM D 2321-89, CLASS IA (IDOT GRADATION NO-7) 4" IN EARTH CUT FOR SANITARY SEWERS & WATER MAINS W+8"=PAY WIDTH 1. MAXIMUM WIDTH OF TRENCH: THE WIDTH OF TRENCH AT THE TOP OF PIPE SHALL NOT EXCEED THE WIDTHS SET FORTH IN ARTICLE 20-2.03 AND ON STANDARD DRAWING NO. 2 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER DRAWING NO. 2 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, FOURTH EDITION. 2. THE ENCASEMENT OF SANITARY SEWERS INCLUDING THE 4" GRANULAR CRADLE AND BACKFILL TO 12" OVER THE PIPE WILL BE CONSIDERED INCIDENTAL TO THE COST OF SANITARY SEWERS AND SANITARY SERVICE SEWERS OF THE SIZE AND TYPES SPECIFIED.



GERALD L. HEINZ & ASSOCIATES, INC. INSULTING ENGINEERS & LAND SURVEYOR 206 NORTH BIVER STREET EAST DUNDEE, ILLINOIS 6011

REVISED: MARCH 23, 2011 USER NAME: REVISED: MAY 16, 2011 CHECKED: JDH REVISED: DATE: AUGUST 25, 201 REVISED:

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

ROUTE SECTION COUNTY TOTAL SHEETS SHEET NO. **WATER MAIN NOTES & DETAILS** 2528 04-00043-00-PV KANE SCALE: 1"= 1' SHEET NO. 1 OF 2 SHEETS STA: TO STA: FED. ROAD DIST. NO. ILLINOIS