

SECTION	COUNTY	SHEET	TOTAL SHEETS
9177 00-00007-01-PV	ST CLAIR	40	3
STA. TO STA.		EXISTING CONDITIONS:	
		CONTRACT NO. 97263	

GENERAL NOTES

IF THE INSTALLATION OF SANITARY SEWERS BECOME NECESSARY, THE FOLLOWING NOTES SHALL APPLY:

ALL WORK, INSTALLATION, PROCEDURES, MATERIALS, TESTING, ETC. FOR SANITARY SEWER SHALL CONFORM TO THE STANDARD SPECIFICATIONS (WATER, STORM AND SANITARY).
 SANITARY SEWER MAINS SHALL BE POLYVINYL CHLORIDE (PVC) SEWER PIPE CONFORMING TO ASTM F-794 FOR SIZES 18" AND LARGER (UNLESS NOTED OTHERWISE). 18" OR LARGER PVC PIPE SHALL HAVE A MINIMUM CELL CLASSIFICATION OF 12364A AS DEFINED BY ASTM D-1784
 SANITARY SEWER MAIN AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) SEWER PIPE CONFORMING TO ASTM D3034, SDR35, TYPE PSM FOR SIZES 6" TO 15" (UNLESS NOTED OTHERWISE), ALSO SIZES 18"-36" SHALL CONFORM TO ASTM F-679-89, CLASS T-1. THE PIPE SHALL BE MADE OF PVC PLASTIC HAVING A MINIMUM CELL CLASSIFICATION OF 12454-C, AND SHALL HAVE A MINIMUM PIPE STIFFNESS OF FORTY-SIX (46) POUNDS PER INCH PER INCH. SEWER PIPE JOINTS SHALL BE FLEXIBLE ELASTOMERIC JOINTS CONFORMING TO ASTM D3212.

DUCTILE IRON GRAVITY PIPE SHALL CONFORM TO ASTM A-746-82 STANDARD SPECIFICATIONS FOR DUCTILE IRON GRAVITY SEWER PIPE. THE OUTSIDE COATING SHALL BE ASPHALTIC COATING APPROXIMATELY 1MIL (0.025M) THICK. THE COATING SHALL BE APPLIED TO THE OUTSIDE OF ALL PIPES, UNLESS OTHERWISE NOTED. THE INSIDE COATING SHALL BE LINED WITH 40 MIL NOMINAL DRY FILM OF "PROTECTO 401". THE WEIGHT, CLASS OR NOMINAL THICKNESS, AND CASTING PERIOD SHALL BE SHOWN ON EACH PIPE. JOINTS SHALL BE IN CONFORMANCE WITH ANS/AWWA C111/A21.11 AND SHALL BE A RUBBER GASKET PUSH-ON JOINT.

SANITARY SEWER PIPE BEDDING SHALL BE CLASS I CRUSHED GRAVEL OR STONE, CONFORMING TO IDOT GRADATION CA-6, AND SHALL BE INSTALLED PER ASTM 2321-83A.
 THE CONTRACTOR SHALL PROVIDE A RECORD DRAWING WHICH SHALL BE SUBMITTED TO THE OWNER/DEVELOPER, ENGINEER, AND THE SEWER SYSTEM OWNER. SEWER CONNECTIONS SHALL BE RECORDED BY MEASURING THE NUMBER OF FEET FROM THE DOWNSTREAM MANHOLE, AND SHALL INDICATE THE LENGTH OF OFFSET FROM THE SANITARY SEWER MAIN AND DEPTH OF LATERAL AT ITS TERMINUS POINT. ALL LATERALS SHALL BE FURNISHED WITH AN AIR TIGHT CAP TO FACILITATE AIR TESTING. THE PVC LATERAL SHALL BE EXTENDED FOUR (4) FEET ABOVE THE FINISHED GRADE GROUND SURFACE TO ALLOW RELOCATION OF THE LATERAL IN THE FUTURE. ALL STRUCTURES SHALL HAVE RECORD ELEVATIONS.

ALL SANITARY SEWER MANHOLES SHALL BE CONSTRUCTED OF PRECAST CONCRETE AND CONFORM TO ASTM C478. SANITARY SEWER MANHOLES SHALL BE SIX (6) FOOT DIAMETER (UNLESS OTHERWISE SPECIFIED ON THE PLANS), SHALL BE CONSTRUCTED WITH PRECAST INVERTS, SHALL BE FURNISHED WITH FLEXIBLE WATERTIGHT RESILIENT CONNECTORS BETWEEN THE PIPE AND MANHOLE INTERFACE CONFORMING TO ASTM C923, AND SHALL HAVE STEPS CONSTRUCTED OF 1/2" DEFORMED REINFORCING RODS (GRADE 60) CONFORMING TO ASTM A615 ENCAPSULATED IN CO-POLYMER POLYPROPYLENE. BARREL SECTIONS SHALL BE SEALED WITH A 3" BITUMASTIC SEALANT AS MANUFACTURED BY "RAM-NEK" OR EQUIVALENT.

SANITARY SEWER MANHOLE FRAME AND GRATES SHALL CONFORM TO THE REQUIREMENTS OF GRAY IRON CASTINGS ASTM A48-83 CLASS 35B, OR ASTM A536-80 GRADE 65-45-12 FOR DUCTILE IRON. SANITARY SEWER MANHOLE LIDS SHALL HAVE THE WORD "SANITARY" CAST IN THE FACE AND BE FURNISHED WITH A CONCEALED "PICK HOLE." SANITARY SEWER MANHOLE FRAME AND GRATES SHALL BE NEENAH R-1772 OR EQUIVALENT. IN AREAS SUBJECT TO FLOODING, SANITARY SEWER MANHOLE FRAME AND GRATES SHALL BE NEENAH R-1915 BOLT DOWN LIDS.

THE CONTRACTOR SHALL KEEP EXISTING SEWER FACILITIES IN OPERATION DURING CONSTRUCTION OF THE PROPOSED FACILITIES.

WHEN CONNECTIONS ARE TO BE MADE TO EXISTING STRUCTURES, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATIONS OF THE STRUCTURE PRIOR TO MAKING THE CONNECTION. THE CONTRACTOR SHALL NOTIFY THE OWNER & ENGINEER IF THE EXISTING STRUCTURES ARE FOUND TO BE DIFFERENT THAN SHOWN ON THE DRAWINGS.

PROTECTION OF THE WATER MAIN FROM SANITARY SEWER MAINS IS REQUIRED AND SHALL BE MADE IN ACCORDANCE WITH THE LATEST EDITION OF TITLE 35: ENVIRONMENTAL PROTECTION, SUBTITLE F: PUBLIC WATER SUPPLIES, CHAPTER II: ENVIRONMENTAL PROTECTION AGENCY, SECTION 653.119: PROTECTION OF WATER MAIN AND WATER SERVICE LINES.
 THE WATER AND SEWER MAIN AS DELINEATED ON THE DRAWINGS SHALL BE CONSTRUCTED WITH A MINIMUM OF 10' HORIZONTAL SEPARATION AND 1.5' VERTICAL SEPARATION

STEEL CASING PIPE SHALL MEET OR EXCEED ASTM A-139, GRADE B. PIPE JOINTS SHALL BE WELDED IN ACCORDANCE WITH AWWA C-206. THE INTERIOR AND EXTERIOR OF THE BORE CASING SHALL BE COATED WITH A MINIMUM OF 1 MIL OF BITUMINOUS ASPHALTIC MATERIAL.

CASING SPACERS SHALL BE MODEL CCS AS MANUFACTURED BY CASCADE WATERWORKS MFG. OF YORKVILLE, IL OR PRIOR APPROVED EQUAL. CARRIER PIPE SHALL BE INSERTED WITHIN A CASING BY USE OF MODEL CCS STAINLESS STEEL CASING SPACERS AS MANUFACTURED BY CASCADE WATERWORKS MFG. CO. OF YORKVILLE, IL OR PRIOR APPROVED EQUAL.

THE SAW CUTTING OF EXISTING PAVEMENT NECESSARY FOR ITS REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM FOR WHICH THE SAWCUT IS BEING MADE. THE REMOVAL OF ALL EXISTING OIL AND CHIP PAVEMENT HAS BEEN INCLUDED IN THE EARTH EXCAVATION QUANTITY AND SHALL NOT BE MEASURED NOR PAID FOR AS A SEPARATE REMOVAL ITEM.

LIST OF UTILITIES

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|---|---|
| TELEPHONE - SBC COMMUNICATIONS
1-800-660-3000 | WATER - ILLINOIS AMERICAN WATER COMPANY
1-618-277-9887 |
| ELECTRIC - ILLINOIS POWER COMPANY
1-800-755-5000 | GAS - ILLINOIS POWER COMPANY
1-800-755-5000 |
| CABLE T.V. - CHARTER COMMUNICATIONS
1-618-277-7820 EXT. 3200 | SANITARY SEWER - VILLAGE OF SHILOH
1-618-277-2288 |
- J.U.L.I.E. - 1-800-892-0123

NO COMMITMENTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
 SEIBERT ROAD
 SECTION 00-00007-01-PV
 ST CLAIR COUNTY

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE