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REVISION	

SCALES	N/A
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4th Street
Sanitary Sewer

Sanitary Sewer - General Notes

- The Contractor shall be responsible for verifying the location of all underground utilities prior to construction. The buried utilities as shown on these plans, if any, are not to be considered accurate. The contractor shall contact the local utility companies for field locations prior to beginning any excavation. These contacts shall include but are not limited to the following:

TOLL-FREE: "JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS" (J.U.L.I.E.) 1-800-892-0123

All contacts are to be made at least 48 hours prior to any construction.
- The contractor shall take all necessary precautions to protect the property of the various utilities, public and private, which may be located either above ground or underground, at or adjacent to the limits of this project. The contractor will be required to repair or replace at his own expense, or bear the cost of having the utilities repaired or replaced, any utility, public or private, damaged through his efforts. The procedure and specifications of any repair will be done in accordance with the regulations and/or policy of the utility company involved.
- All trenches crossing within the subgrade of, or within two (2) feet of any paved surface (including sidewalk) shall be backfilled with trench backfill in accordance with Section 208 of the "Standard Specifications for Road and Bridge Construction".
- Sanitary sewer testing shall be the responsibility of the contractor and shall conform to the requirements of the "Standard Specifications for Water and Sewer Main Construction in Illinois", current edition, Section 31-1.11B, Par. 3 (Air Testing Method) and Section 31-1.11B, Par. 4 (Deflection Testing for Flexible Thermoplastic Pipe) or as required by the City of Arcola. The manholes shall be tested per Title 35, Subtitle C, Part 370 "Illinois Recommended Standards for Sewage Works" Subpart C: Section 370.330, (e)(2)(Inspection) - in accordance with ASTM C969-94 (Infiltration/Exfiltration Test) or ASTM C1244-93 (Negative Pressure Test). The contractor shall give 48 hours notice prior to testing in order to allow the City of Charleston's representative to witness the testing (failure to do so will result in retesting at the expense of the Contractor).
- In addition to plan details, Standard Drawings # 1, 3, 6, 7, 18 & 20 shall also apply (Standard Specifications for Water & Sewer Main Construction in Illinois, Current Edition).
- Minimum 10' horizontal and/or 18" vertical separation (as applicable) shall be maintained between the proposed sanitary sewer and the existing water main in accordance with Section 41-2.01 of the "Standard Specifications for Sewer and Water main Construction".
- All trenches crossing within the subgrade of any existing street, proposed street or within two (2) feet of any paved surface (including sidewalk) shall be backfilled with trench backfill in accordance with Section 208 of the "Standard Specifications for Road and Bridge Construction", except that trench backfill material shall be "flowable fill" (from and IDOT approved mix).
- Sanitary Sewer shall be 8" "Heavy-Wall" PVC (minimum cell classification 12454-8) Sewer Pipe. PSM SDR 26 (ASTM D3034) gasket slip joint and bell (ASTM D 3212). 6" Sanitary service line/connection/installation shall be in conformance with the State of Illinois Plumbing Code and the City of Charleston.
- PVC Sewer Couplings - PVC sewer couplings shall be one piece units manufactured for splicing of PVC pipe of the specified inside diameter and SDR value. Couplings shall be PVC and include rubber gaskets. Couplings shall not include "stops" and shall be capable of sliding all the way onto a section of pipe, then sliding back over the splice area
- Sanitary Sewer Tee, SDR 35 - Tee's shall be SDR 35 PVC pipe with slip joints and flexible elastomeric seals. The material shall conform to Section 30 of the Standard Specifications for Water and Sewer Main Construction in Illinois, 5TH Edition.
- Flexible Sewer Couplings - Flexible Couplings shall be rubber with stainless steel straps and screws. Flexible Couplings shall be one of the following manufacturers; Fernco, or Mission.

