



- GENERAL MANHOLE AND COVER NOTES:**
- 4' DIAMETER MANHOLES SHALL BE USED FOR SEWER MAINS UP TO 12" IN DIAMETER.
  - 5' DIAMETER MANHOLES SHALL BE USED FOR SEWER MAINS GREATER THAN 12" IN DIAMETER.
  - 5' DIAMETER MANHOLES SHALL BE USED FOR ALL SEWER MAINS INSTALLED AT DEPTHS GREATER THAN 15'.
  - ALL MANHOLES SHALL HAVE A MINIMUM WALL THICKNESS THAT CONFORMS TO ASTM C478 STANDARDS.
  - HINGED MANHOLE COVERS IN PAVEMENT SHOULD BE INSTALLED WITH THE DIRECTION OF TRAFFIC.
- JUNCTION MANHOLE NOTES:**
- WHEN POSSIBLE STANDARD PIPE FITTINGS SHALL BE USED TO FORM INVERTS AT JUNCTION MANHOLES. USING THE FOLLOWING INSTALLATION:
    - INSTALL PIPE FITTING;
    - POUR MANHOLE FLOOR TO SPRING LINE OF FITTING;
    - CUT OUT TOP OF FITTING TO SPRING LINE;
    - POUR REMAINDER OF MANHOLE INVERT TO PROVIDE VERTICAL INVERT WALL UP TO THE 3/4 POINT OF THE LARGE PIPE INVOLVED, SEE DETAIL.
    - STEEL TROWEL FINISH INVERT OF MANHOLE.
  - WHEN SPECIAL SITUATIONS PROHIBIT USE OF STANDARD PIPE FITTINGS AS MENTIONED ABOVE, THE INVERT SHALL BE FORMED OF CONCRETE AND HAVE A STEEL TROWEL FINISH. THE FINAL PRODUCT SHALL HAVE A SIMILAR FORM & FUNCTION AS A STANDARD PIPE FITTING INSTALLATION. ALL WORK SHALL BE DONE TO THE ENGINEER'S SATISFACTION.
- SEWER MAIN NOTES:**
- DETECTABLE TRACER (TERRA TAPE OR APPROVED EQUIVALENT) SHALL BE LAID WITH PVC PIPE AND CONNECTED TO ALL FITTINGS. TAPE SHALL BE LAID 6" ABOVE THE TOP OF PIPE, THE BACKFILL MATERIAL, OR ON TOP OF SAND BACKFILL.
  - ALL SANITARY SEWER PIPES SHALL BE PVC PIPE TYPE SDR-35 FOR GRAVITY SEWER LINES CONSTRUCTED LESS THAN TWELVE FEET (12') DEEP. TYPE SDR-26 SHALL BE PROVIDED WHERE GRAVITY SEWER LINES EXCEEDS TWELVE FEET (12'). C900 DR18 PVC PIPE IS REQUIRED FOR DEPTHS GREATER THAN 24'.
  - WHEN APPROVED BY THE ENGINEER USE ONLY NON-SHEAR COUPLING FOR PIPE CONNECTIONS.

**HASLET**

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Know what's below.  
Call before you dig.  
@least 48 hours prior

**CITY OF HASLET  
CONSTRUCTION STANDARDS  
SANITARY SEWER  
MANHOLES AND INVERTS**

**CERTIFICATION:**  
THIS CITY OF HASLET SHEET IS AUTHORIZED FOR USE ON THIS PROJECT BY AUTHORITY OF THE CITY ENGINEER. BY INCLUDING THIS SHEET IN THE CONSTRUCTION SET OF DRAWINGS, THE ENGINEER OF RECORD FOR THE PROJECT IS ALSO CERTIFYING THAT THE CONTENT OF THE DETAILS AND NOTES HAVE NOT BEEN ALTERED FROM THAT RECEIVED FROM THE CITY OF HASLET.

**DRAWN:** CAD

**APPROVED:** TNA

**DATE:** NOV. 2017

**SHEET NUMBER**

# SS1