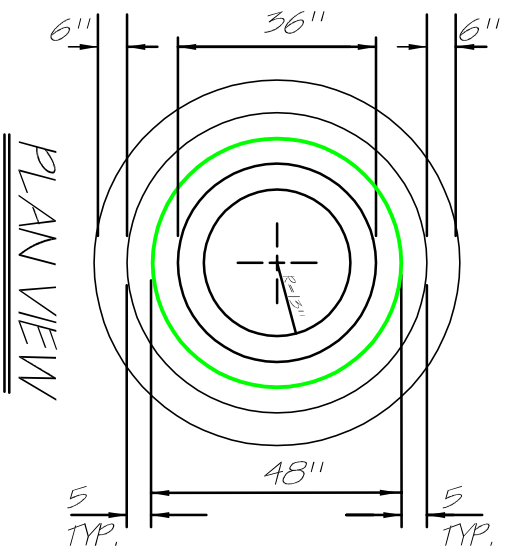


1. Concrete strength to be 5,000 psi after 28 days
2. Manhole wall, transitions, conical sections, and bases shall conform to ASTM C478. Conical sections shall be designed to meet or exceed all requirements of the latest AASHTO H5-20 Loading
3. Joints between the precast units shall be sealed with flexible watertight rubber gaskets conforming to ASTM C 990 or C443 and wrapped externally, ASTM C 877 (type III - Chemically Bonded Adhesive Butyl Bands) - Applied by installation contractor.
4. Sewer pipe to manhole connections shall be sealed with Integally Cast Flexible connectors according to section C925
5. All manholes shall be precast with Xypex and ConShield per Section 803. All interior surfaces (including benches) of new sanitary sewer manholes. At force main entry locations and one manhole down stream of the force main entry shall be given and interior coating of Pilgrim Liner Guard 100C in accordance with System 108
6. Manholes of 48" Dia. shall be used for 16" pipe or less
7. External Wrap Per Section 803 provided by contractor



PLAN VIEW

8. Manholes shall not include steps.

SEWER MANHOLE
DROP MANHOLE
by: THOMAS F. PERTUIT, P.E.

WASTEWATER TREATMENT OF LOUISIANA, INC.

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