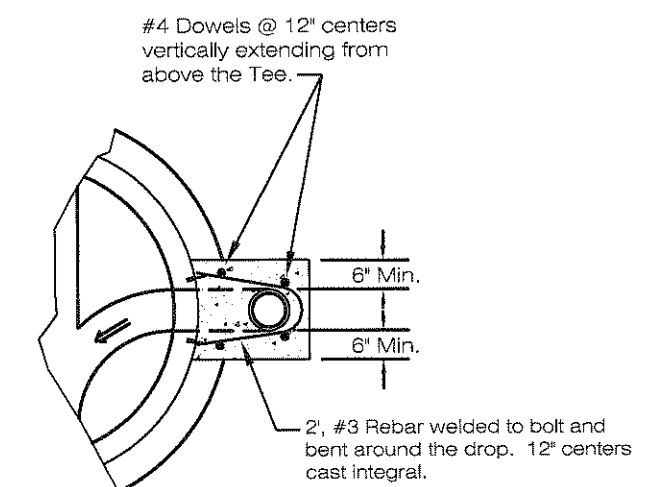


**CAST IN PLACE
SECTION A - A**



**PRE-CAST
SECTION A - A**

Notes:

A drop manhole shall be constructed in sewers when the distance between the inverts is 24" or greater.

The following notes on the Precast Concrete Manholes shall pertain to the Drop Manhole: Top or Transition Openings in riser sections, Joint Seal, Materials and Landing Platforms.

Poured in place concrete shall be 4000# concrete.

ANCHORS 1/2" dia. Allthread with washers and hex nut (Min 4). Lead anchor secured into the eccentric cone top.

CASTINGS for manholes shall be cleaned and painted in field with one coat of asphalt varnish or coal tar pitch paint.

Sanitary Manholes

Castings in pavement shall be solid lid and gasketed.

Manhole Testing
All sanitary manholes shall be vacuum tested per ASTM C 1244.

JOINT SEAL ON ALL NEW MANHOLES: The joint seal between precast manhole sections on sewers shall be resilient and flexible gasket joints per ASTM C-443 or latest edition.

The manhole seal at the top of the manhole (casting, adjustment rings, etc.) shall be a "WRAPIDSEAL" heat shrinkable seal manufactured by Canusa-CPS or approved equal.

All other joints shall be sealed with CONSEAL CS102 butyl sealant manufactured by Concrete Sealants, Inc. or an approved equal.

A watertight flexible sleeve "KOR-N-SEAL", "PRESS WEDGE" or equal to be provided at all connections between manholes and pipes and shall meet the requirements of ASTM C-923.

Laury Luffich
CITY OF NORTH RIDGEVILLE, ENGINEER

REV No.	DATE	BY	DESCRIPTION
CITY OF NORTH RIDGEVILLE, OHIO DEPARTMENT OF ENGINEERING			
PRECAST CONCRETE DROP MANHOLE			
SCALE: NOT TO SCALE			SAN-2
R	DATE: 10/01/08	DRWN BY: JAB/TEB	