MIN. MANHOLE DIAMETER

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>MIN. DIA.</th>
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<tr>
<td>LESS THAN 18&quot;</td>
<td>5'-0&quot;</td>
</tr>
<tr>
<td>18&quot; - 24&quot;</td>
<td>5'-0&quot;</td>
</tr>
<tr>
<td>30&quot; - 36&quot;</td>
<td>6'-0&quot;</td>
</tr>
<tr>
<td>GREATER THAN 36&quot;</td>
<td>7'-0&quot;</td>
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NOTES: THESE ARE MINIMUMS. DIAMETER SIZE MAY INCREASE DEPENDING ON NUMBER OF CONNECTIONS NEEDED. (DROP DOWN PIPE WILL BE A MINIMUM OF 4 FEET FROM MANHOLE WALL OPPOSITE OF IT'S PLACEMENT.)

1" NON-SHRINK GROUT CONTINUOUS ALONG MANHOLE BASE JOINT

ASTM C33 EMBEDMENT SIZE NO. 57 OR SIZE NO. 67

#5 RING

6" MIN. 2' MAX.

6' MIN. 2' MAX.

3,000 P.S.I. CONCRETE

# 5 at 12" ON CENTER VERTICAL

SECTION A-A

NOTES:
1. SEE PLANS FOR MANHOLE LOCATION, CONFIGURATION, PIPE SIZES AND TYPES.
2. SEE SPECIFICATIONS ON MATERIALS AND CONSTRUCTION.
3. MONOLITHIC MANHOLE TO BE CAST-IN-PLACE SHALL CONFORM TO ASTM SPECIFICATION C478 FOR MATERIALS AND DESIGN. MANUFACTURER TO PROVIDE DETAILS.
4. MANHOLES FOR MAINS 24" AND LARGER SHALL HAVE ECCENTRIC RISER SECTIONS.
5. IF IN 100 YEAR FLOOD PLAIN USE MANHOLE COVER DETAIL 503S-5W-SM (BOLTED)
6. DEPTH OF U CHANNEL WILL BE 3/4 THE DIAMETER OF PIPES 24" OR LESS AND WILL BE THE DIAMETER OF PIPES GREATER THEN 24"
7. MANHOLE COATING LIMITS - COAT ALL OF THE MANHOLE WALLS
   AT TOP OF MANHOLE: SEE DETAIL 506S-4A-SM FOR END LOCATION AT GRADE RINGS
   AT BOTTOM OF MANHOLE: NEW MANHOLES - COAT PER SPL 511; INCLUDING THE BOTTOM AND INVERT
   MANHOLE REHABILITATION - COAT PER SPL 511A; EXCLUDING THE BOTTOM AND INVERT

PRE-CAST INSIDE DROP SANITARY SEWER MANHOLE

The City of San Marcos
Engineering and Capital Improvements

RECORD COPY SIGNED BY 6/1/2018
LAURIE MOYER, P.E.

ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 506S-8A-SM

1 OF 2
INVERT DETAIL

- Standard No.
- Adopted

The architect/engineer assumes responsibility for appropriate use of this standard.

Laurie Moyer, P.E.
The City of San Marcos
Engineering and Capital Improvements

BASE MANHOLE WALL
STD, PIPE TO MH CONNECTOR SPL WW-146D ALL WALL PENETRATIONS TYP

MINIMUM SPACING BETWEEN INFLOW PIPES IS 1 FOOT

GROUNDED INVERT ENTIRE MANHOLE

NON-SHRINK GROUT WHERE NEEDED
PRECAST BASE

Inverted Detail Plan View

- Direction of Flow

PRE-CAST INSIDE DROP SANITARY SEWER MANHOLE

REFERENCES
DETAIL 503S-4W-SM
DETAIL 503S-5W-SM
DETAIL 506S-4A-SM

0.1 FOOT MIN. DROP FROM FACE OF INLET PIPE TO OUTLET PIPE ACROSS MANHOLE.

DIRECTION OF FLOW

1" NON-SHRINK GROUT CONTINUOUS ALONG MANHOLE BASE JOINT

COATING

SMOOTH CONTINUOUS FLOW FROM IN-FLOW PIPE TO OUT-FLOW PIPE

INVERT PLAN VIEW

STD, PIPE TO MH CONNECTOR SPL WW-146D ALL WALL PENETRATIONS TYP

CONCRETE INVERT

MINIMUM SPACING BETWEEN INFLOW PIPES IS 1 FOOT

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STANDARD NO. 506S-8A-SM
2 OF 2