SUDAS Revision Submittal Form

Status Date:	As of 10/23/2026	**Topic:**	Precast base thickness
Manual:	Specifications	**Manual Location:**	Figures 6010.401 and 6010.502

Requested Revision: *See attached figures.*

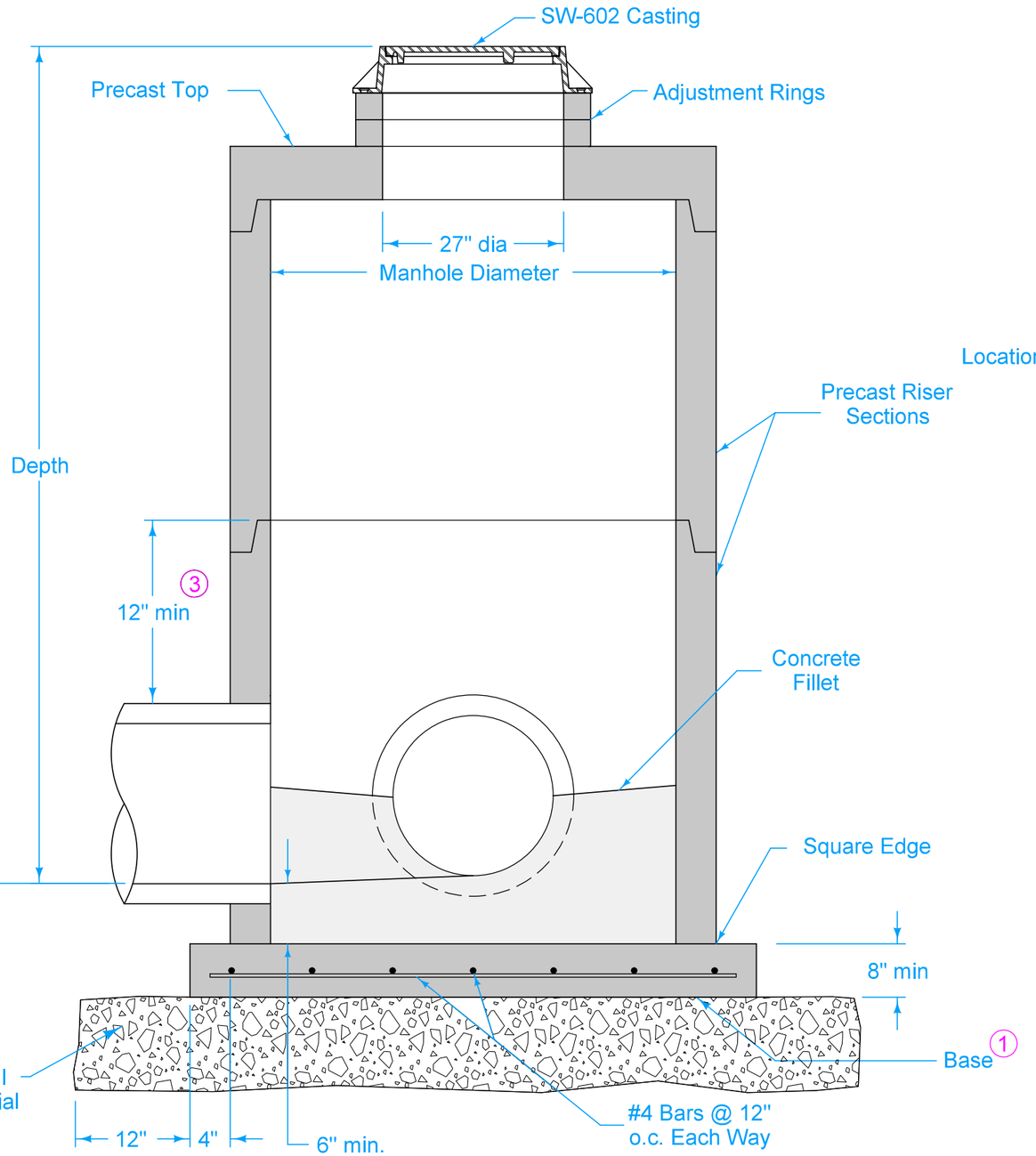
Reason for Revision: Added note to clarify the base thickness if precast.

Comments: None.

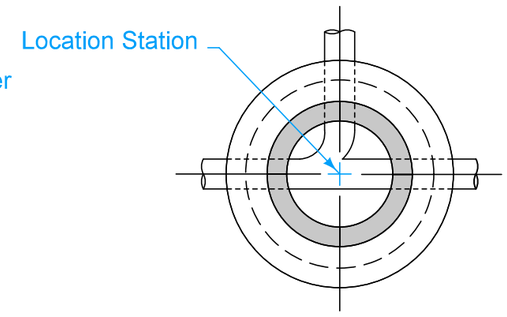
Region:	☒ Central	☒ East	☒ West
Comments:	None.		
Action:	☐ Deferred	☐ Not Approved	☒ Approved

Final Regional Action Summary: All 3 regions approved.

Board of Directors Action:



TYPICAL SECTION



PLAN

If manhole depth exceeds 20 feet, install steps.

① Cast-in-place base shown. If base is precast integral with bottom riser, the footprint of the base is not required to extend beyond the outer edge of the riser; refer to SW-301 for minimum base thickness.

② For additional configurations, maintain a minimum of 12 inches of concrete between vertical edges of pipe openings.

③ 12 inch minimum riser height above all pipe openings.

Manhole Diameter (inches)	Maximum Pipe Diameter (inches) for 2 Pipes ②	
	At 180° Separation	At 90° Separation
48	24	18
60	36	24
72	42	30
84	48	36
96	60	42

SUDAS | IOWA DOT

FIGURE 6010.401 | STANDARD ROAD PLAN

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SW-401

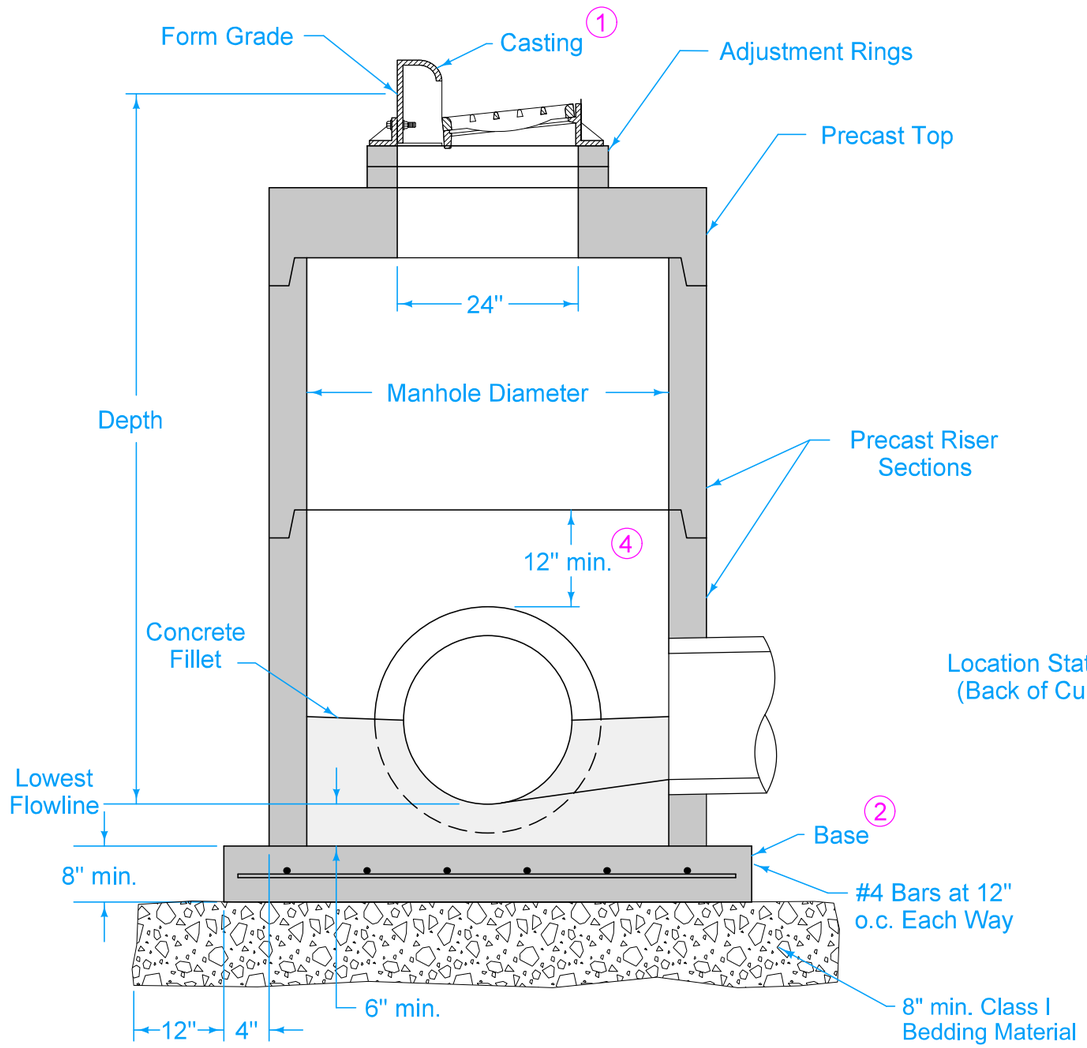
SHEET 1 of 1

REVISIONS: Modified note about base thickness.

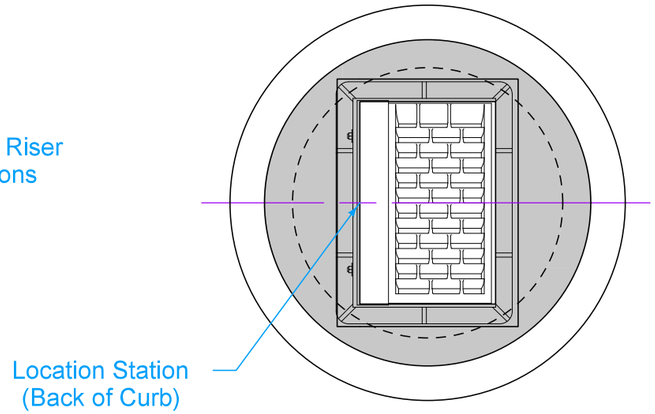
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CIRCULAR STORM SEWER MANHOLE

FIGURE 6010.401 | SHEET 1 OF 1



TYPICAL SECTION



PLAN

Refer to SW-514 for boxout details.

1. SW-603 Type R unless Type Q is specified in the contract documents.
2. Cast-in-place base shown. If base is precast integral with bottom riser, the footprint of the base is not required to extend beyond the outer edge of the riser; refer to SW-301 for minimum base thickness.
3. For additional configurations, maintain a minimum of 12 inches of concrete between vertical edges of pipe openings.
4. 12 inch minimum riser height above all pipes.

Manhole Diameter (inches)	Maximum Pipe Diameter (inches) for 2 Pipes ③	
	at 180° Separation	at 90° Separation
48	24	18
60	36	24
72	42	30
84	48	36
96	60	42

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FIGURE 6010.502 | STANDARD ROAD PLAN | SW-502 | SHEET 1 of 1

REVISIONS: Modified note 2, refering to base thickness

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CIRCULAR SINGLE GRATE INTAKE

FIGURE 6010.502 | SHEET 1 OF 1