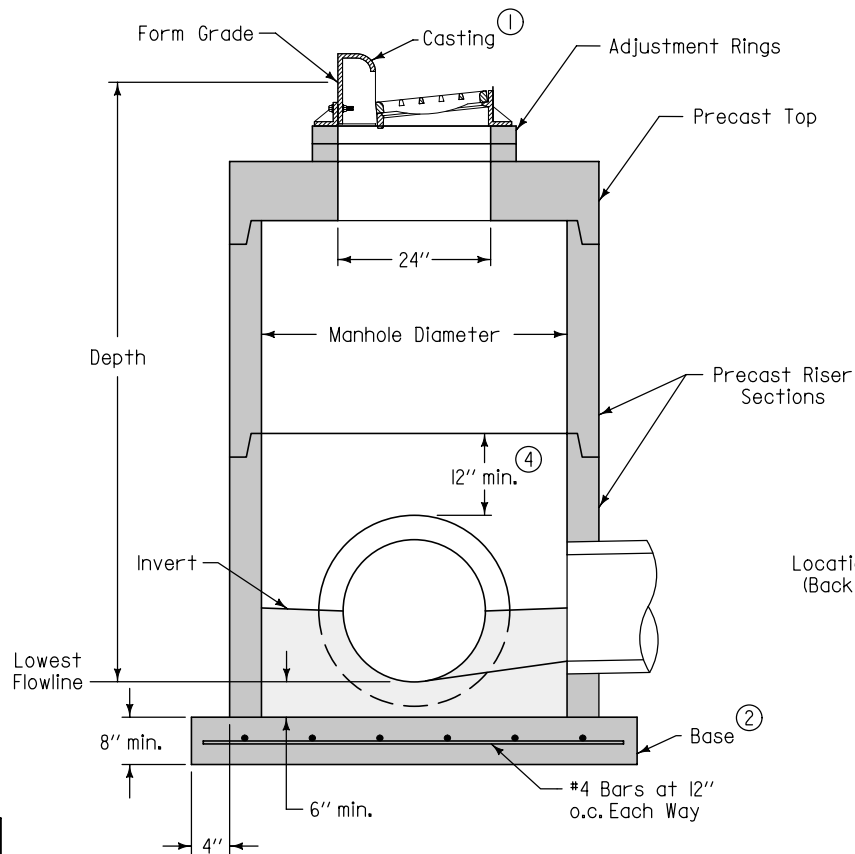
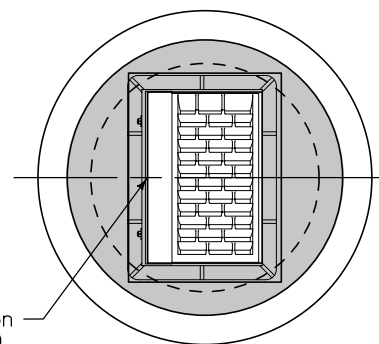




TYPICAL SECTION



PLAN

- ① SW-603 Type R unless Type Q is specified in the contract documents.
- ② Cast-in-place base shown. Base may be square. If base is precast integral with walls, the footprint of the base is not required to extend beyond the outer edge of the walls.
- 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                |

|                                                   |                                   |                           |          |
|---------------------------------------------------|-----------------------------------|---------------------------|----------|
| SUDAS                                             | Iowa Department of Transportation | REVISION                  |          |
|                                                   |                                   | NEW                       | 04-21-09 |
| <b>FIGURE 6010.502</b>                            |                                   | <b>STANDARD ROAD PLAN</b> |          |
|                                                   |                                   | <b>SW-502</b>             |          |
|                                                   |                                   | SHEET 1 of 1              |          |
| REVISIONS: New. Replaces SUDAS Type "M-B" Intake. |                                   |                           |          |
| SUDAS DIRECTOR                                    |                                   | DESIGN METHODS ENGINEER   |          |
| <b>CIRCULAR SINGLE GRATE INTAKE</b>               |                                   |                           |          |