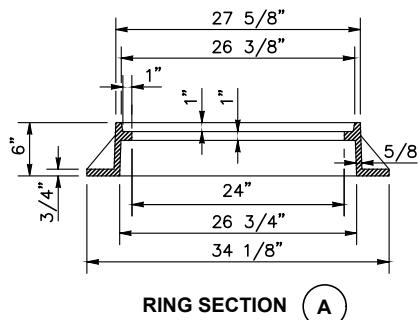
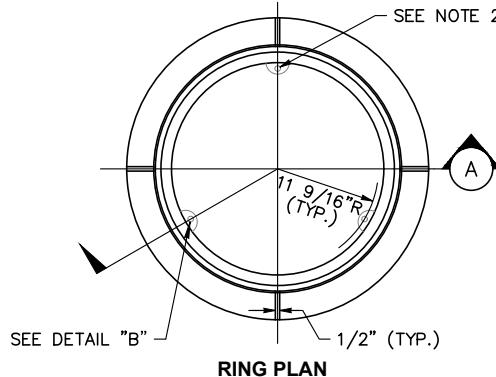


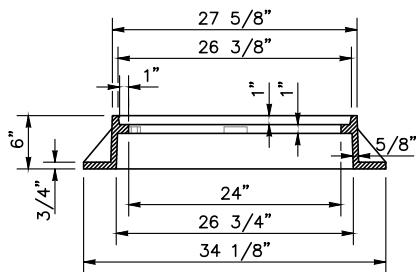
RING PLAN



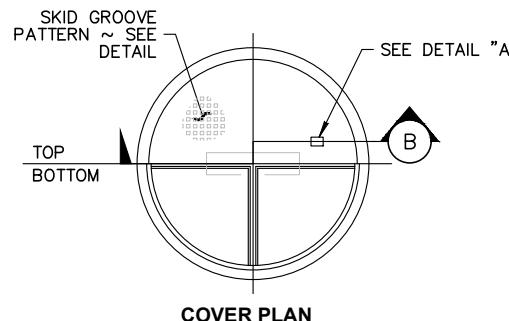
RING SECTION A



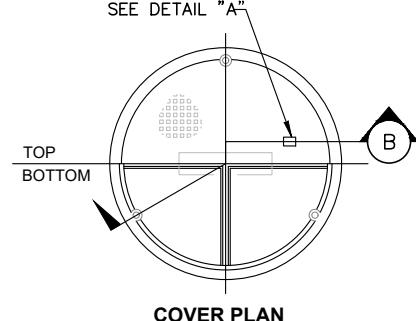
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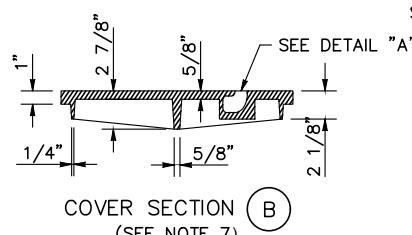
RING SECTION A



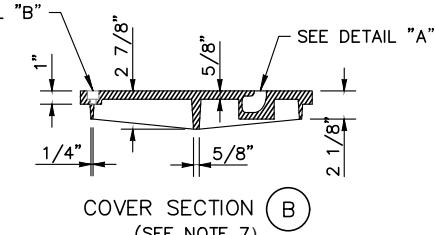
COVER PLAN



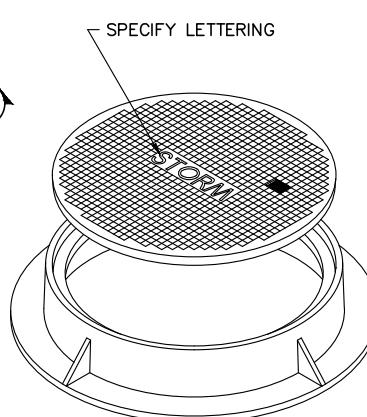
COVER PLAN



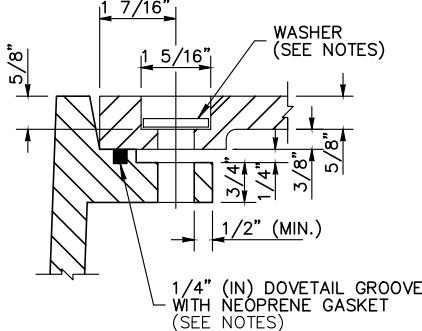
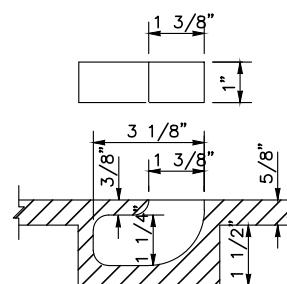
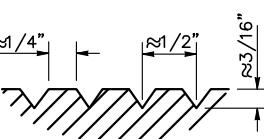
COVER SECTION (SEE NOTE 7) B

STANDARD
TYPE 1

COVER SECTION (SEE NOTE 7) B

BOLT-DOWN / WATERTIGHT
TYPE 2

ISOMETRIC VIEW

BOLT-DOWN / WATERTIGHT
DETAIL "B"BLIND PICK NOTCH
DETAIL "A"SKID GROOVE PATTERN
DETAIL

NO SCALE



APPROVAL

Wayne R. Haufle

PUBLIC WORKS DIRECTOR

CIRCULAR FRAME(RING)
AND COVER

DATE
01/21/2022
DRAWING NO.
SW-14
REV:

NOTES

1. The gasket and groove may be in the seat (frame) or in the underside of the cover. The gasket may be "T" shaped in section. The groove may be cast or machined.
2. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 3 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S) 5/8" - 11 NC x 2" (in) allen head cap screw by being tapped or other approved mechanism. Location of bolt down holes varies by manufacturer.
3. For bolt-down manhole ring and covers that are not designated "Watertight," the neoprene gasket, groove, and washer are not required.
4. Washer shall be neoprene (Detail "B").
5. In lieu of blind pick notch for manhole covers, a single 1" (in) pick hole is acceptable. Hole location and number of holes may vary by manufacturer.
6. Alternative reinforcing designs are acceptable in lieu of the rib design.
7. For clarity, the vertical scale of the Cover Section has been exaggerated, it is 1.5 times the horizontal scale (1H:1.5V).