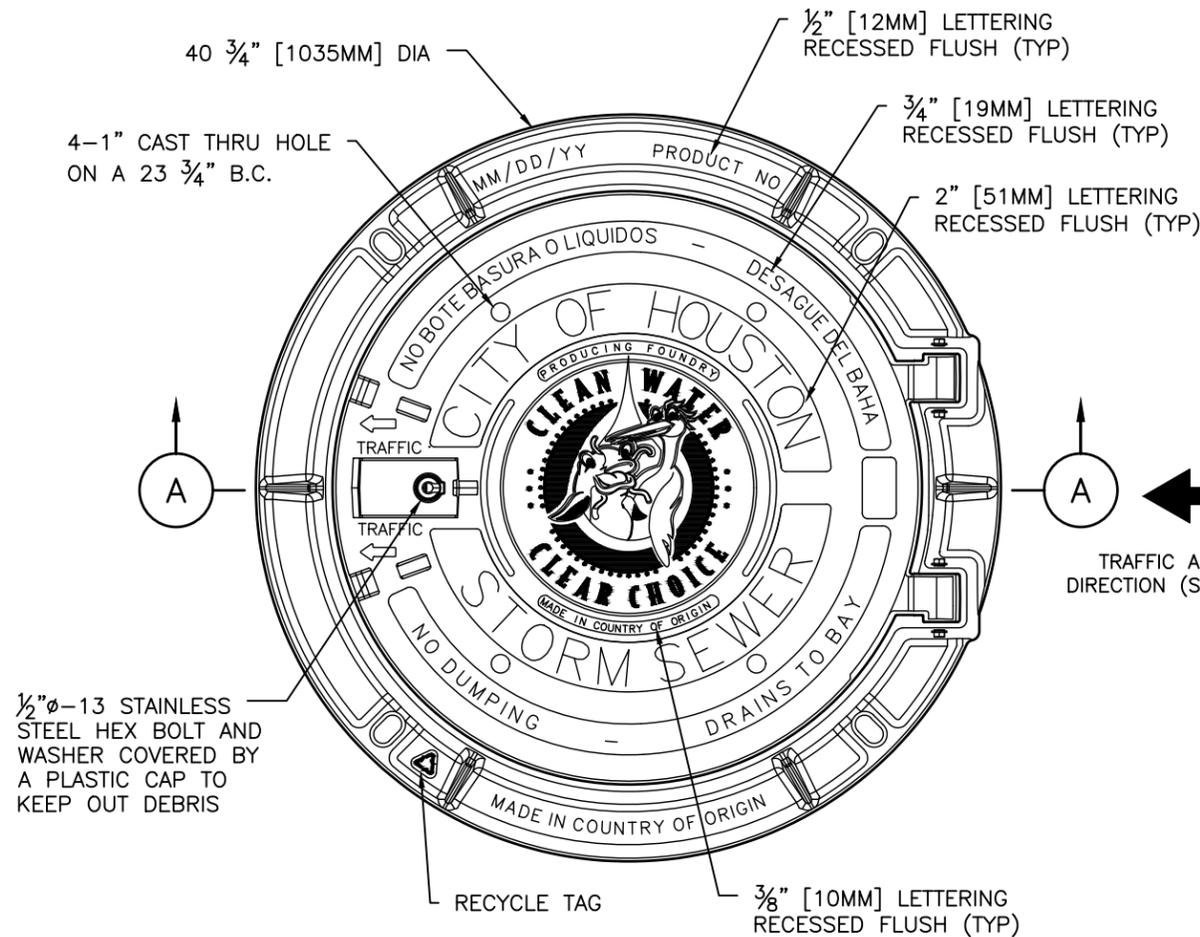
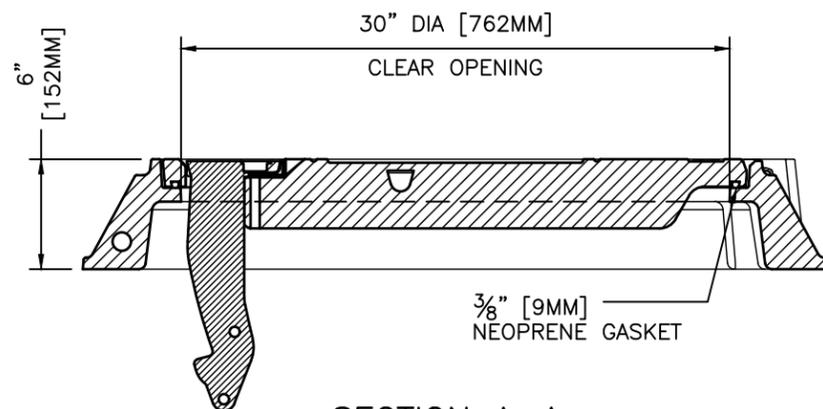


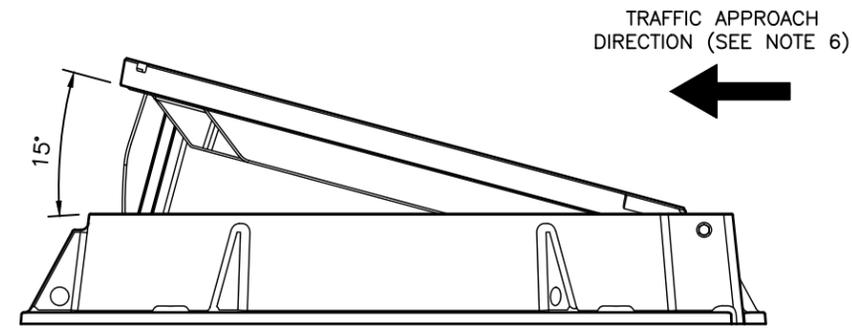
DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.



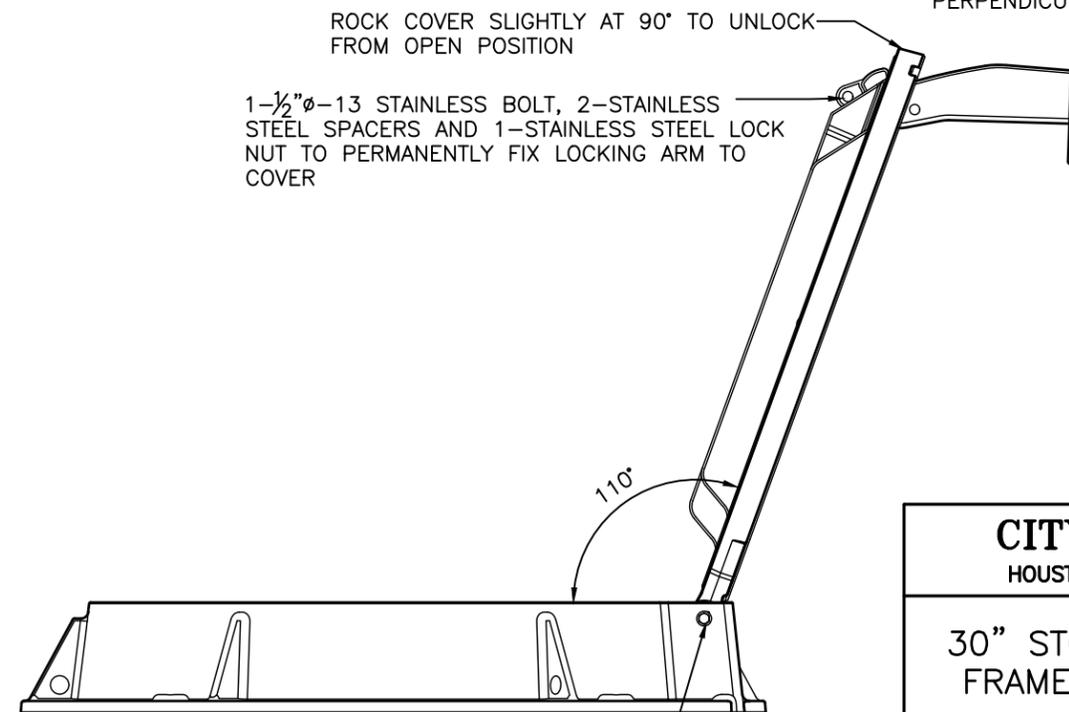
TOP VIEW



SECTION A-A



VENTING POSITION



2-3/8" -16 STAINLESS BOLTS, 2-STAINLESS WASHERS, 1-PIVOT PIN, 1-1/2" -13 STAINLESS BOLT AND 1-LOCK NUT TO PERMANENTLY ATTACH COVER TO FRAME AT HINGE

OPEN LOCKED POSITION

NOTES:

1. APPROXIMATE WEIGHTS:

COVER - 179 LBS (81 KGS)
 FRAME - 145 LBS (66 KGS)
 LOCK ARM - 19 LBS (9 KGS)
 UNIT - 343 LBS (156 KGS)

2. MATERIALS:

COVER: DUCTILE IRON (80-55-06).
 FRAME: DUCTILE IRON (80-55-06).
 ACCESSORY: DUCTILE IRON (80-55-06).

3. CASTINGS MUST BE MANUFACTURED AND PROOF TESTED IN ACCORDANCE WITH AASHTO M306.

4. EJ 00320021A01 "STORMSURGE" OR APPROVED EQUAL.

5. IDENTIFICATION MARKINGS MUST COMPLY WITH CITY SPECIFICATIONS. MARKINGS NOT SHOWN ON THIS DETAIL MUST BE PLACED ON THE CASTING:

- A. PROVIDE ALL FRAME MARKINGS ON THE TOP SIDE OF THE FRAME.
- B. PROVIDE GRATE AND COVER MARKINGS ON EITHER TOP OR BOTTOM OF CASTING.

6. CASTING SHALL BE INSTALLED SO MANHOLE LID OPENS TOWARD THE DIRECTION OF TRAFFIC FLOW. HINGES SHALL BE ORIENTED PERPENDICULAR WITH TRAFFIC FLOW.

ROCK COVER SLIGHTLY AT 90° TO UNLOCK FROM OPEN POSITION

1-1/2" -13 STAINLESS BOLT, 2-STAINLESS STEEL SPACERS AND 1-STAINLESS STEEL LOCK NUT TO PERMANENTLY FIX LOCKING ARM TO COVER

CITY OF HOUSTON
 HOUSTON PUBLIC WORKS STANDARD

30" STORM SEWER MANHOLE
 FRAME AND HINGED COVER

(SCALE: NOT TO SCALE)

APPROVED BY:

Signed by:

 18EBB22072F84DC...

CITY ENGINEER

Signed by:

 BE463EF0DF454EB...

DIRECTOR OF HPW

EFF DATE: MAR-02-2026 DWG NO: 02090-13