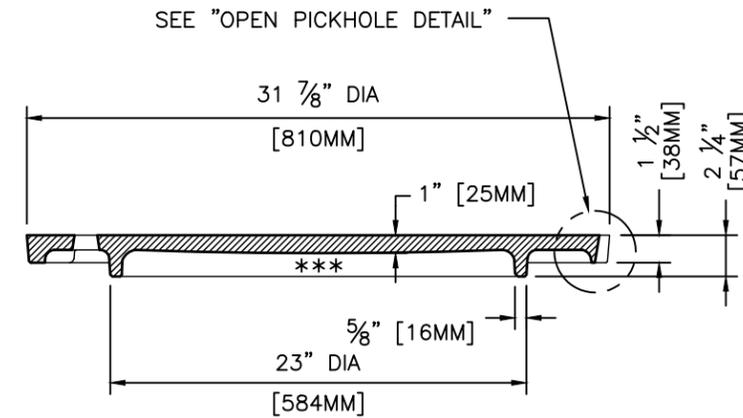
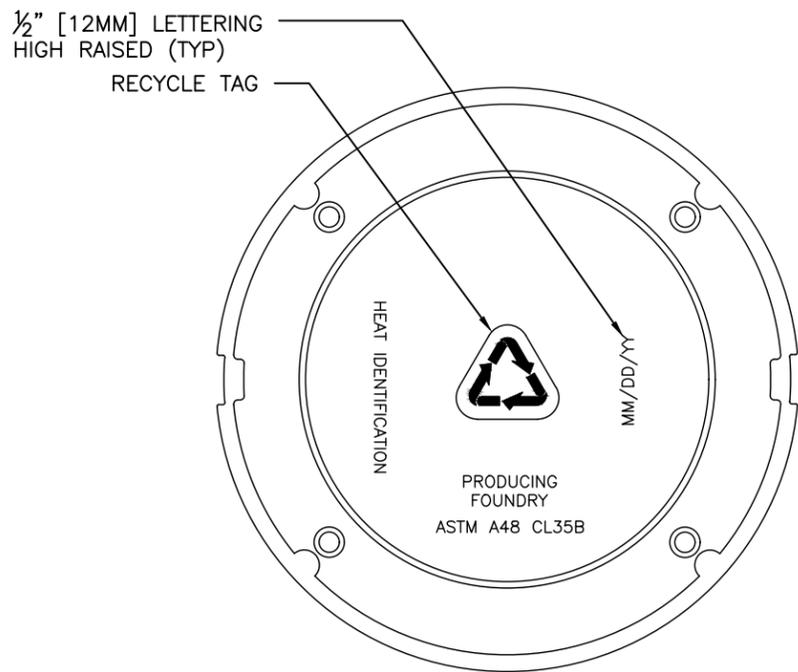
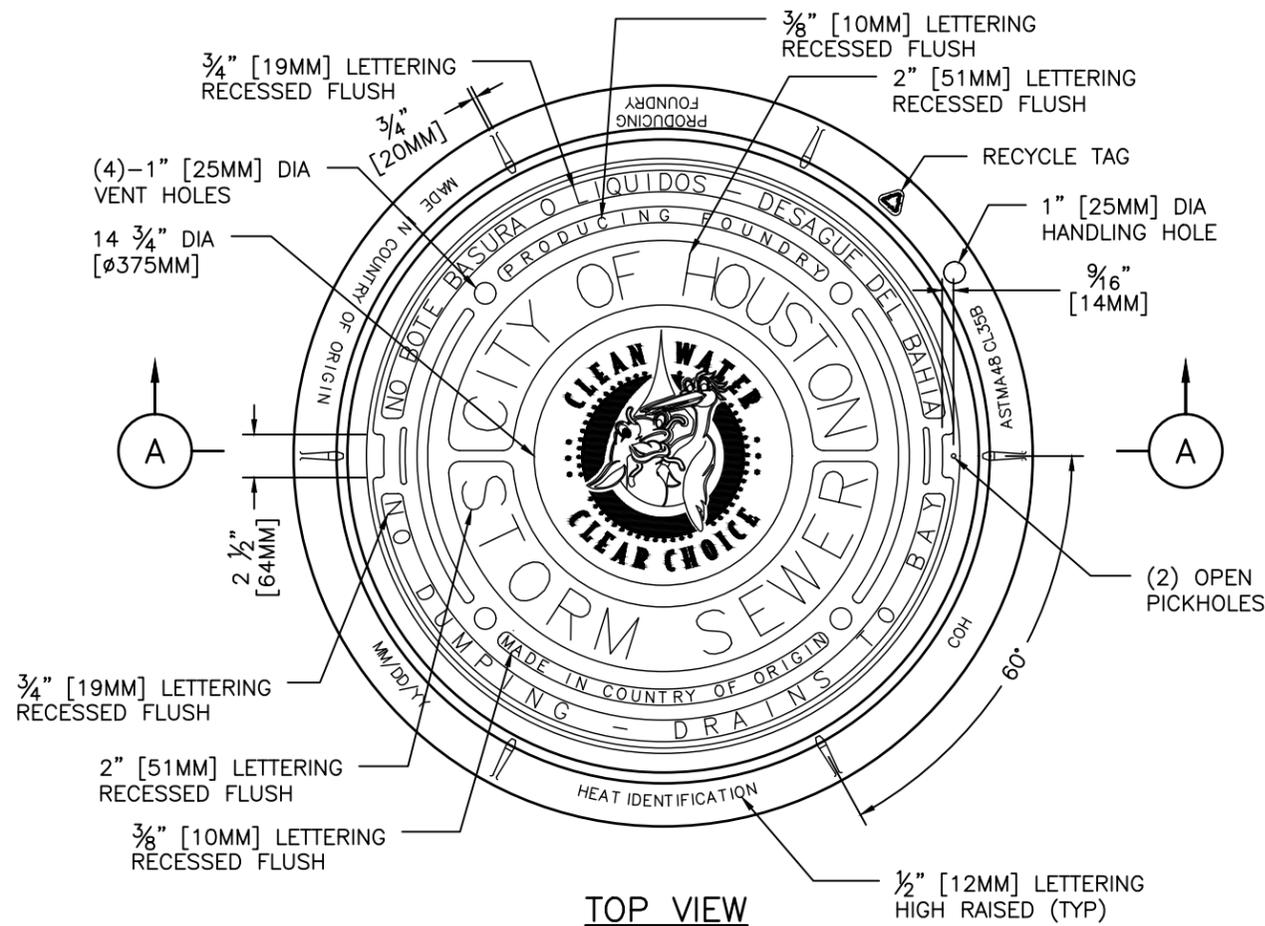


DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR 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.

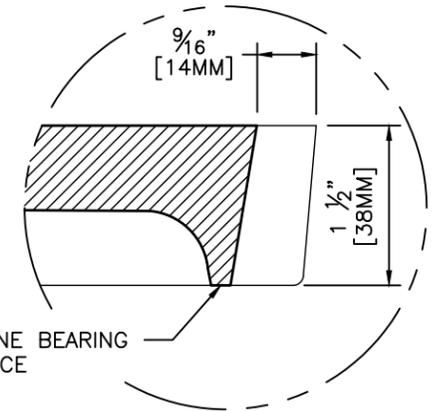


\*\*\* MACHINED SURFACE

**COVER SECTION**

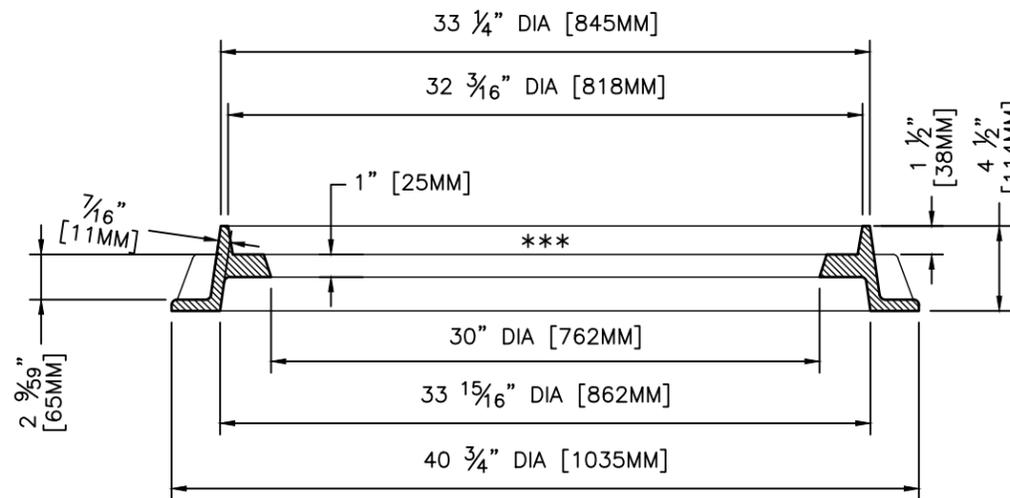
**NOTES:**

- APPROXIMATE WEIGHTS:  
 FRAME - 125 LBS (57KGS)  
 COVER - 205 LBS (93KGS)  
 UNIT - 330 LBS (150KGS)
- MATERIALS - GRAY IRON ASTM A48 CL35B.
- CASTING MUST BE MANUFACTURED AND PROOF TESTED IN ACCORDANCE WITH AASHTO M306.
- EJ V1430 ASY OR APPROVED EQUAL
- IDENTIFICATION MARKINGS MUST COMPLY WITH CITY SPECIFICATIONS. MARKINGS NOT SHOWN ON THIS DETAIL MUST BE PLACED ON THE CASTING:
  - PROVIDE ALL FRAME MARKINGS ON THE TOP SIDE OF THE FRAME.
  - PROVIDE GRATE AND COVER MARKINGS ON EITHER TOP OR BOTTOM OF CASTING.



MACHINE BEARING SURFACE

**OPEN PICKHOLE DETAIL**



\*\*\* MACHINED SURFACE

**FRAME SECTION**

**SECTION A-A**

**CITY OF HOUSTON**  
HOUSTON PUBLIC WORKS STANDARD

**STORM SEWER MANHOLE**  
**FRAME AND COVER**

(SCALE: NOT TO SCALE)

APPROVED BY:

Signed by:  
*[Signature]*  
18E8B2072F84DC...

CITY ENGINEER

Signed by:  
*[Signature]*  
BE463E0DF454EB...

DIRECTOR OF HPW

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