TYPE 1
OPEN PICK HOLE

OTHER OPEN PICK HOLES ARE STANDARD ON CERTAIN COVERS.

1/2" x 2 1/2" RECESS (SEE SECTION OF COVER THRU RECESS)

GROOVES 3/16" DIA X 3/32" DEEP APPROX 3/4" TO 1" SPACES

NOTE:
23 1/2" MANHOLE COVER CAN BE USED ONLY FOR REPLACEMENT OF EXISTING MANHOLE COVER.

ALL LETTERS SHALL BE 2" HIGH AND SHALL BE RAISED 1/8" LINE WIDTH FOR LETTERS SHALL BE 1/4" WIDE.

PLAN
23 1/2" MANHOLE COVER WITH FRAME

FRAME SECTION

SECTION A

32" MANHOLE COVER WITH FRAME

1) NOTE: APPROXIMATE WEIGHTS.
FRAME- 170 LBS 77 kg
COVER- 270 LBS 123 kg
UNIT- 440 LBS 200 kg

2) MATERIAL- GRAY IRON ASTM A48 CL35B

3) CASTING TO MEET M306 PROOF LOAD SPECIFICATION

4) MODEL V-14240 ASY OR APPROVED EQUAL

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

SANITARY SEWER AND WATER MANHOLE FRAME AND COVER

APPROVED
CITY ENGINEER
DIRECTOR OF PUBLIC WORKS AND ENGINEERING

EFF DATE: JUL-01-2016 DWG NO: 02090-01