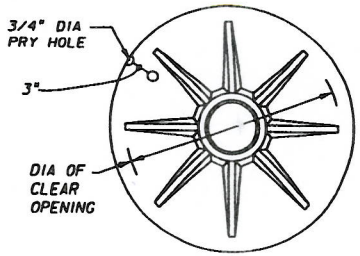
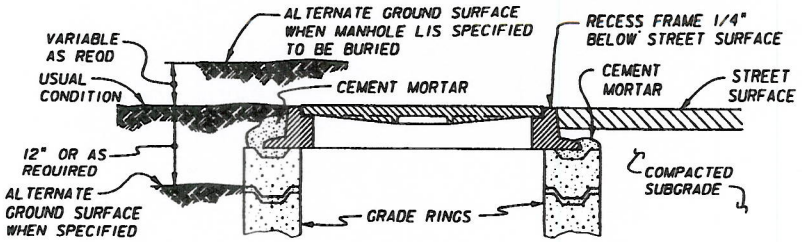


BOTTOM VIEW

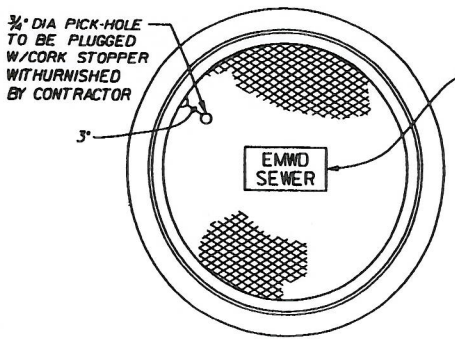


OPEN FIELD
REQUIRES LOCKING MANHOLE COVER (SEE DWG SB-8)

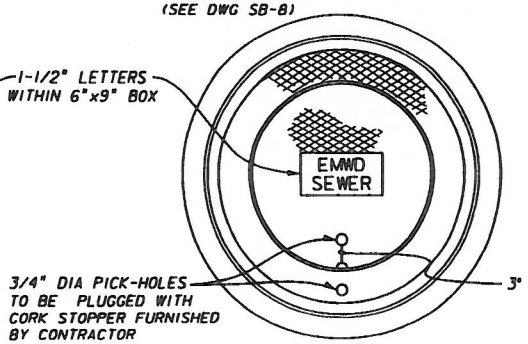
PAVED ROADWAY

NOTES

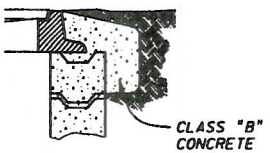
1. MANHOLE COVER SHALL BE DESIGNED FOR AASHO H-20 LOADING.
2. CAST IRON SHALL HAVE A MINIMUM TENSILE STRENGTH OF 3000 LBS PER SQUARE INCH.
3. MANHOLE COVER SHALL BE ALHAMBRA FOUNDRY CO TYPE A-1254 FOR 24" CLEAR OPENING OR A-1325 FOR 36" CLEAR OPENING WITH A TWO-PIECE COVER ASSEMBLY (OR APPROVED EQUAL).
4. MARKER POSTS SHALL BE INSTALLED TO MARK MANHOLE LOCATIONS IN UNIMPROVED AREAS.
5. CONTRACTOR TO USE MANHOLES WITH 24"CLEAR OPENING FOR SEWERS 24" DIA AND SMALLER AND 36" CLEAR OPENING FOR SEWERS LARGER THAN 24" DIA UNLESS OTHERWISE DIRECTED BY ENGINEER.
6. USE TWO-PIECE COVER ASSEMBLY FOR 36" CLEAR OPENING UNLESS OTHERWISE DIRECTED BY ENGINEER.
7. ONE-PIECE COVER SHOWN HERE IS FOR 24" CLEAR OPENING FOR 36" CLEAR OPENING REFER TO MANUFACTURER'S CATALOG.
8. USE TWO-PIECE SHALLOW MH COVER BY SOUTH BAY FOUNDRY SBF-1348 (OR APPROVED EQUAL) FOR SHALLOW MANHOLES PER SB-30.



TOP VIEW



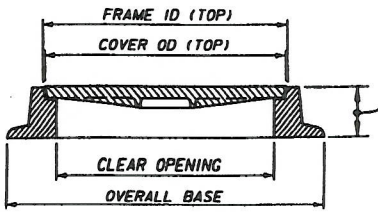
TOP VIEW
TWO-PIECE COVER



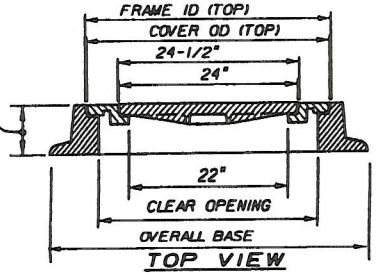
ROADWAY SHOULDER OR DIRT ROADWAY
USE AC APRON ON ALL UNIMPROVED ROADS (SEE STD DWG SA-47)

MANHOLE COVER & FRAME REQUIRED DIMENSIONS

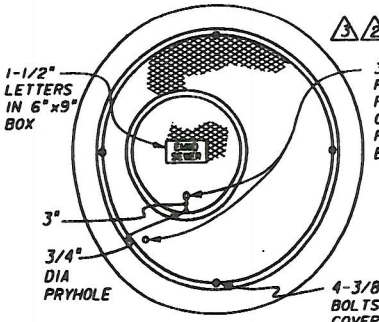
CLEAR OPENING	COVER O.D.	FRAME I.D.	FRAME HEIGHT	OVERALL BASE	TOTAL WEIGHT
24"	25-1/2"	25-3/4"	3-1/2"	32"	305 LBS.
36"	38"	38-1/4"	6"	44"	600 LBS.
36" TWO PIECE	38-1/8"	38-5/8"	6"	44"	850 LBS.
2-PC SHALLOW MH COVER	50½"	50¾"	4-1/2"	58"	1320 LBS.



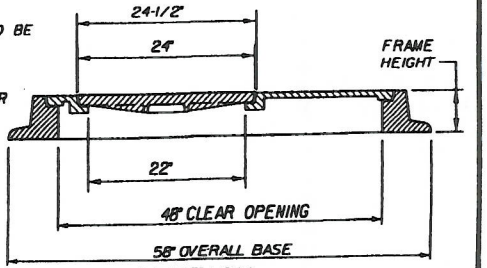
SECTION



TOP VIEW



TOP VIEW
TWO-PIECE SHALLOW MH COVER



SECTION
TWO-PIECE SHALLOW MH COVER

REVISIONS					
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE
1	10/19/95	KER	REDRAWN WITH CADD ON MYLAR	VJB	10/95
2	8/6/96	KER	ADDED 2-PC RECTANGULAR COVER	VJB	8/1/96
3	7/21/97	KER	REVISED SHALLOW MH COVER	VJB	10/28/97
4	1/9/03	C.M.	REVISE 24" COVER & FRAME I.D.	VJB	10/15/03

APPROVALS		
	INITIAL	DATE
DESIGN		
CONSTRUCTION		
INSPECTION		
OPERATIONS	LM	10/23/95
SUBMITTED	VJB	10/20/95

REFERENCES:
FILE I.D.: \\Nagra ap\eng\std dwgs\sb61.dgn

SCALE: NONE
DRAWN BY K.E.R.

RECOMMENDED Joseph D. Van Sickle 10/20/95
DIRECTOR OF ENGINEERING DATE

EASTERN MUNICIPAL WATER DISTRICT

EASTERN MUNICIPAL WATER DISTRICT
STANDARD DRAWING

MANHOLE COVER AND FRAME
STANDARD & WATERTIGHT MANHOLES

APPROVED G. Hoeite Rugge 10/20/95
CHIEF ENGINEER DATE

SB-61 4