



- NOTES:**
1. PRECAST REINFORCED CONCRETE MANHOLES AS SHOWN SHALL CONFORM TO APPLICABLE REQUIREMENTS OF ASTM C-478 & NON-REINFORCED PRECAST CONCRETE MANHOLES SHALL CONFORM TO APPLICABLE ASTM REQUIREMENTS. BOTH SHALL CONFORM TO:
    - A. SHALL BE DESIGNED FOR AASHO H-20 LOADING.
    - B. CONCRETE SHALL BE COMPACTLY VIBRATED, CENTRIFUGALLY SPUN, OR MECHANICALLY TAMPED.
  2. MANHOLE TO BE INSTALLED ON BUILDING SEWER AND LOCATED SUCH THAT THE MANHOLE WILL BE ACCESSIBLE AT ALL TIMES.
  3. WHERE NO BUILDING SET-BACK IS AVAILABLE, SET MANHOLE IN PARKWAY AREA; WHERE MANHOLE MUST BE SET IN CONCRETE WALK, PLUG PICK-HOLE FLUSH. LOCATE MANHOLE TO CLEAR OTHER UTILITIES.
  4. CONCRETE BASE SHALL BE OF CLASS "A" CONCRETE & PLACED IN ONE OPERATION. CONCRETE INVERTS SHALL BE TRUE TO GRADE AND ALIGNMENT AND FINISHED WITH A SMOOTH SURFACE. SPECIAL CARE SHALL BE USED IN FORMING ALL CHANNELS TO FACILITATE THE FLOW OF SEWAGE.
  5. ALL MANHOLE TOPS SHALL BE INSTALLED WITH THE MANHOLE COVER OVER THE DOWNSTREAM OUTLET, EXCEPT AS OTHERWISE SPECIFIED.
  6. SEE DRAWING SB-61 FOR DETAILS AND INSTALLATION OF MANHOLE COVER AND FRAME.
  7. GRADE RINGS SHALL BE 24" ID, EXCEPT AS OTHERWISE NOTED.
  8. JOINTS SHALL BE 3/8" THICK CEMENT MORTAR NEATLY STRUCK AND POINTED; OR PREFORMED COLD APPLIED READY-TO-USE PLASTIC JOINT SEALING COMPOUND AND PRIMER AS SHOWN IN JOINT DETAIL HEREON.
  9. MANHOLE STEP (ONE STEP ONLY) SHALL BE EITHER CAST IN PLACE OR M.A. INDUSTRIES STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC DRIVE-IN STEP. INSTALLATION TO BE BY MANHOLE MANUFACTURER. STEP ORIENTED 180° FROM MANHOLE OUTLET. STEP SHALL BE CAST IN PLACE TO BE USED AS CLEANING HOOK AND SHALL BE PLACED 6" MIN AND 12" MAX FROM TOP OF SHELF.

REVISIONS				APPROVALS			EASTERN MUNICIPAL WATER DISTRICT STANDARD DRAWING	
NO.	DATE	INITIAL	DESCRIPTION	APP'D	DATE	DESIGN	INITIAL	DATE
3	7/7/21	GS	REVISED MANHOLE STEP, DETAILS AND NOTE 9	AGA	7/7/21	CONSTRUCTION	LAM	
2	6/28/19	GS	UPDATED TITLE BLOCK, FONT, LOGO AND ADDED PRIVATE LOWER AND UPPER SEWER SERVICE LATERAL	AGA	6/28/19	INSPECTION		
1	2/16/99	GR	REDRAWN W/CADD ON MYLAR	VJB	4/29/99	SUBMITTED	LAM	9/13/77

  

REFERENCES:	SCALE: NONE	RECOMMENDED _____	DIRECTOR OF ENGINEERING _____	DATE _____	APPROVED <i>Doyle J. Boen</i>	ASSISTANT GENERAL MANAGER _____	DATE <i>9/77</i>	SB-73
FILE I.D.: \kauai\eng\std dwgs\SB-73.dgn	DRAWN BY: JMA							



**PRECAST REINFORCES CONCRETE 36" ID SAMPLING MANHOLE**