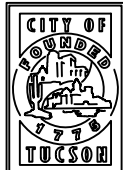



NOTES:

1. STEPS FOR MANHOLES SHALL BE OF STEEL REINFORCED POLYPROPYLENE PLASTIC, M.A. INDUSTRIES, INC., NO. PS-3 OR AN APPROVED EQUAL.
2. STEPS SHALL BE LOCATED AS FOLLOWS: UPPERMOST STEP SHALL BE NO MORE THAN 2'-2" (660 mm) BELOW TOP OF MANHOLE COVER; INTERMEDIATE STEPS SHALL BE SPACED AT 1'-0" (305 mm) MIN., 1'-3" (380 mm) MAX CENTER TO CENTER. THE BOTTOM STEP SHALL BE NO MORE THAN 1'-6" (455 mm) ABOVE THE FINISHED MANHOLE BASE.
3. STEPS FOR PRECAST CONCRETE MANHOLES SHALL BE CAST INTO THE CONCRETE WALL DURING MANUFACTURE OR MORTARED, WITH NON-SHRINK GROUT, INTO HOLES AFTER CONCRETE HAS SET, AND PRIOR TO DELIVERY TO THE JOB SITE.
4. ALL STEPS WITHIN A MANHOLE SHALL BE OF THE SAME DESIGN, TYPE AND SIZE.
5. ALL STEPS WITHIN EACH MANHOLE SHALL BE ALIGNED VERTICALLY.
6. STEPS CAN BE USED FOR CAST IN PLACE REINFORCED CONCRETE JUNCTION BOXES.
7. LOOSE STEPS SHALL BE CAUSE FOR REJECTION OF THAT MANHOLE SECTION.

ISSUED:		STANDARD DETAIL		DETAIL NO.
8/92		MANHOLE STEP		WWM 217
REVISED:		TYPE 2		SHEET 1 OF 1
7/02				