1. 4' MANHOLES SHALL BE USED FOR PIPES UP TO 24" DIAMETER.
2. 5' MANHOLES SHALL BE USED FOR PIPES FROM 27"–36" DIAMETER.
3. SPECIAL MANHOLES SHALL BE USED FOR PIPES LARGER THAN 36" DIAMETER.
4. MANHOLES LESS THAN OR EQUAL TO 6' FROM TOP OF CASTING TO INVERT SHALL HAVE FLAT TOPS WITH CONCENTRIC OPENING. ALL ADJUSTING RINGS, CASTINGS, INVERTS, BOTTOMS, ETC., SHALL BE SIMILAR TO SHOWN MANHOLE.
5. REFER TO SPECIFICATIONS FOR MATERIAL, INSTALLATION, TESTING, BACKFILL AND SURFACE RESTORATION REQUIREMENTS.
6. ECCENTRIC CONES WILL BE ALLOWED IF OPENING IS SET OVER CHANNEL AND STEPS ARE OFFSET TO BENCH INSTEAD OF DIRECTLY OVER CHANNEL.

8" MAX (TYP) TO PIPE BELL
MH STEPS AT 12" OC ALIGN VERTICALLY
OPTIONAL SQUARE BASE MAY BE USED
OPEN GUTTER AT UNIFORM SLOPE, PIPE CAST IN BASE, WITH TOP REMOVED MAY BE USED

24" DIA CAST IRON MH FRAME AND COVER, GROUT ALL AROUND WITH PORTLAND CEMENT MORTAR

PRECAST GRADE RINGS OR BRICK MASONRY, IF BRICK, PLASTER THE EXTERIOR WITH 1/2" OF PORTLAND CEMENT MORTAR

4' OR 5' DIA (SEE NOTES)
BARREL SECTION

3" MIN ABOVE TOP OF HIGHEST PIPE (TYP)

CAST-IN-PLACE CONCRETE BASE WITH #4 BARS AT 12" EACH WAY

INSTALL "O-RING" IF PVC OR ABS PIPE IS USED (TYP)

University of Colorado
STANDARD SEWER MANHOLE

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