NOTES:

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. USE ECCENTRIC CONES

TOP OF MH SHALL BE SET 1/4” BELOW GRADE

8” MIN
18” MAX

14” MIN
3’ MAX

VARIATES

3” MIN ABOVE TOP OF HIGHEST PIPE (TYP)

5”

4’ OR 5’ DIA (SEE NOTES)

5”

3” MIN (TYP)

INSTALLED “O-RING” IF PVC, HDPE, OR ABS PIPE IS USED (TYP)

16” MAX

2/3 ID

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

BARREL SECTION

PREFORMED JOINT GASKET (TYP)

CAST-IN-PLACE CONCRETE BASE WITH #4 BARS AT 12” EACH WAY CONCRETE @ 4000 PSI

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

GROUT INSIDE

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

PLAN

SECTION

University of Colorado

STANDARD SEWER MANHOLE

DRAWN BY:

ISSUED: JULY, 2008

CHECKED BY:

REVISED: MAY 2009

APPROVED BY:

DRAWING NO.

C.13