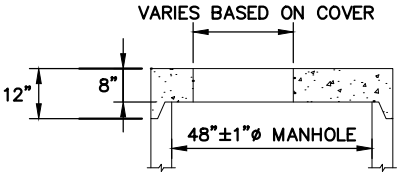
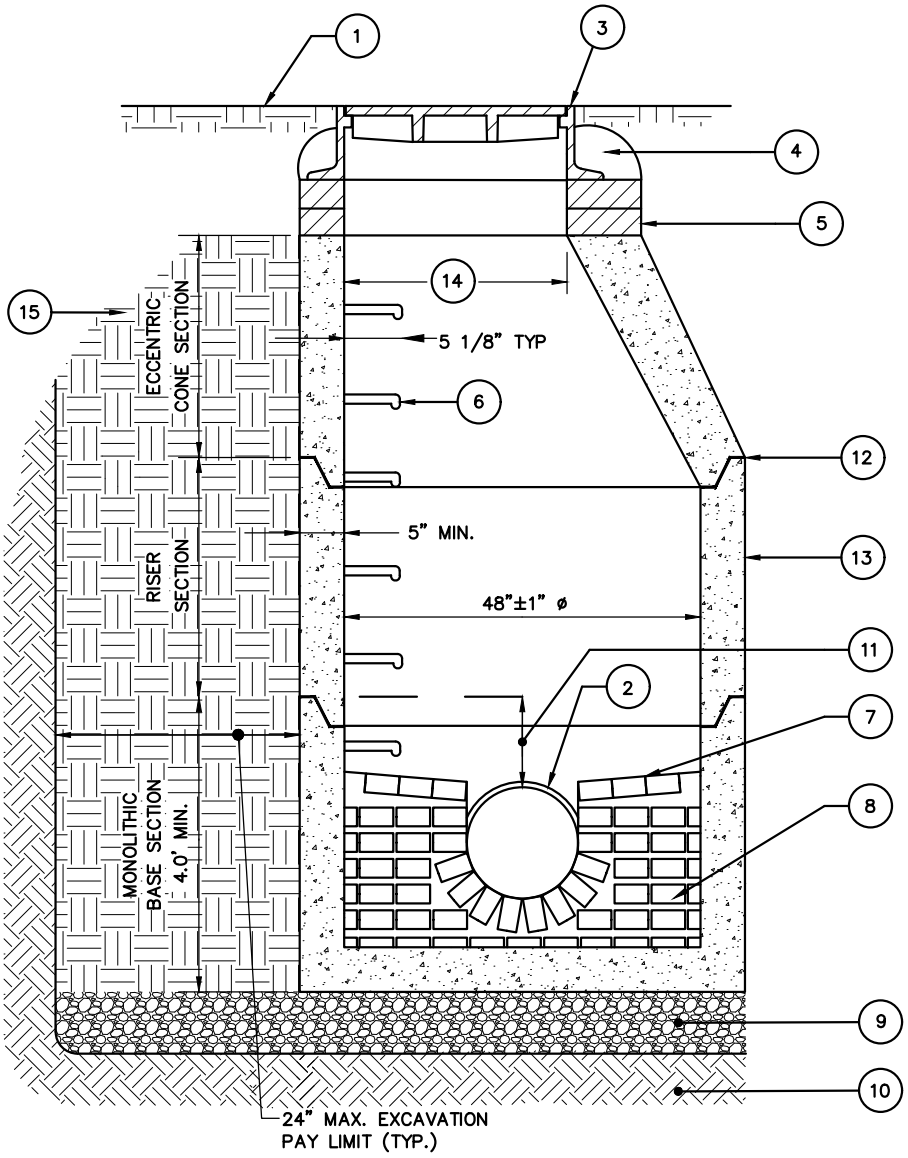


ALTERNATE TOP SLAB



1. FINISHED GRADE PER PLAN.
2. PIPE CONNECTION W/ FLEXIBLE BOOT JOINT.
3. STANDARD OR WATER TIGHT MANHOLE FRAME & COVER.
4. FRAME TO BE SET IN FULL MORTAR BED WITH BITUMINOUS ASPHALT COLLAR.
5. ADJUST TO GRADE WITH MINIMUM TWO LAYERS OF BRICK OR PRECAST CONCRETE RINGS: MAX. 8" ADJUSTMENT.
6. MANHOLE STEP AT 12" O.C. (TYP.)
7. BRICK SHELF ELEVATION SAME AS CROWN OF HIGHEST PIPE (SHELF SLOPE 1/4"/FT).
8. BRICK OR 4,000 PSI CONCRETE AS SPECIFIED.
9. 12" – 3/4" CRUSHED STONE BEDDING.
10. UNDISTURBED SUBGRADE OR COMPACTED SUITABLE BACKFILL.
11. 12" MIN. ABOVE HIGHEST CROWN.
12. BUTYL RUBBER SEALANT (TWO STRIPS FOR SEWER MANHOLE).
13. PROVIDE DAMP PROOFING/WATER PROOFING AS SPECIFIED.
14. PROVIDE 24" CLEAR OPENING FOR 24"/26" COVERS AND 30" CLEAR OPENING FOR 30"/32" COVERS.
15. COMPACTED SUITABLE BACKFILL.

NOTES:
1. SEE SPECIFICATIONS FOR REQUIREMENTS.
2. ALL STRUCTURES TO BE DESIGNED FOR HS–20 LOADING.

TOWN OF BILLERICA • INCORPORATED 1655 • MASSACHUSETTS

DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION
TOWN OF BILLERICA, MASSACHUSETTS

PRECAST SEWER / DRAIN MANHOLE

CREATED BY: DCW/KCS	SCALE: NTS	FILE:
CHECKED BY: GA/JT	DATE: 06/29/2015	