



PROFILE VIEW

NO. DESCRIPTION:

1. MANHOLE FRAME AND COVER. SEE NOTES A, E, AND F.
2. COMPACTED SOIL TO GRADE. SEED AND MULCH AS SPECIFIED.
3. EXISTING GRADE.
4. ANCHOR BOLTS ALL AROUND. ANCHOR FRAME TO SOLID BRICK, BLOCK, OR CONCRETE.
5. 6" MIN. SEE NOTE B.
6. NEW MASONRY WORK, CONCRETE, RUBBER OR EXPANDED POLYPROPYLENE ADJUSTING GRADE RINGS. SEE NOTES B AND C.
7. 3:1 SAND/CEMENT MORTAR. MIN. 1/2" THICK ALL AROUND. SEE NOTE C.
8. INSTALL AND COMPACT ABC STONE TO SUBGRADE. SEE NOTE G.
9. 1 FOOT OVERLAP.
10. EXISTING PAVEMENT.

NOTES:

- A. CONTRACTOR SHALL REFER TO THIS DETAIL WHEN RAISING MANHOLES AND WHEN RESETTING OR REPLACING EXISTING FRAMES AND COVERS. ALL REHABILITATION OF FRAMES AND COVERS SHALL BE COMPLETED PRIOR TO OTHER MANHOLE REHABILITATION WORK. THIS DETAIL ILLUSTRATES MANHOLES AT GRADE. FOR FRAME AND COVERS ABOVE GRADE, WORK SHALL BE IN ACCORDANCE WITH THIS DETAIL AND ALL OTHER REQUIREMENTS IN CLTW STANDARD SPECIFICATIONS AND DETAILS.
- B. CONTRACTOR TO REMOVE AT LEAST 6" OF EXISTING BRICK AND/OR MATERIAL PRIOR TO INSTALLING NEW MASONRY OR CONCRETE, RUBBER, OR EXPANDED POLYPROPYLENE ADJUSTING RINGS, TO PROVIDE A NEW SOLID SURFACE FOR SEATING THE FRAME AND TO PROVIDE A LEAK-TIGHT SEAL.
- C. REMOVE ALL LOOSE BRICKS AND MORTAR AND PROVIDE A SMOOTH LEVEL SURFACE PRIOR TO INSTALLING MASONRY OR CONCRETE, RUBBER, OR EXPANDED POLYPROPYLENE ADJUSTING RINGS. BRUSH SURFACE WITH STIFF WIRE BRUSH PRIOR TO PLACING MORTAR.
- D. REFERENCE CDOT/NCDOT OR OTHER GOVERNING MUNICIPALITIES CURRENT STANDARDS. IN PAVED AREAS, PAVEMENT SHALL BE SAW-CUT NEATLY IN ACCORDANCE WITH APPROPRIATE GOVERNING BODY STANDARD.
- E. MANHOLE COVER TO BE FLUSH WITH EXISTING GRADE UNLESS NOTED OTHERWISE.
- F. ALL NEW FRAME AND COVERS (WHERE REQUIRED) SHALL BE SOLID OR WATERTIGHT AS SPECIFIED BY THE SEALING ENGINEER.
- G. FOR COVERS IN PAVED AREAS, FILL AROUND FRAME AND EXPOSED MANHOLE WALL COMPLETELY WITH ABC STONE. ABC STONE TO EXTEND TO EXISTING PAVEMENT - NEW PAVEMENT (TO MATCH OR EXCEED EXISTING) TO BE INSTALLED FROM TOP OF ABC STONE TO TOP OF FRAME.