INSTALL PRECAST GRADE RINGS, RISERS OR LEVELING BRICKS AS NECESSARY TO MATCH FINAL GRADE.

FRAME & COVER/GRADE

LIMIT OF EXCAVATION (TYP.)
PROPOSED PAVEMENT SURFACE

EXISTING PAVEMENT

ASPHALT CONC. PAVEMENT CL. HMA CLASS "A"
PLACE & COMPACT CRUSHED SURFACING TOP COURSE

EXIST. MANHOLE OR CATCH BASIN

PAVED AREAS

FIRST STEP
MAXIMUM 18" BELOW COVER

FRAME & COVER/GRADE

3000 P.S.I. CEMENT CONCRETE PERIMETER SEAL

LIMITS OF EXCAVATION

CONCRETE PERIMETER SEAL SHALL EXTEND 2" BELOW GRADE RINGS OR BRICKS

FIRST STEP
MAXIMUM 18" BELOW COVER

EXISTING MANHOLE OR CATCH BASIN

UNPAVED AREAS

NOTES:

1. WHERE DEPTH OF NECK EXCEEDS 24 INCHES, ADJUST MANHOLE/CATCH BASIN TO GRADE BY INSERTING NEW BARREL SECTION BETWEEN THE CONE/SLAB AND EXISTING BARREL.

2. GRADE RINGS, CONCRETE RISERS AND CONCRETE BRICK SHALL BE SET IN 3/4" NON-SHRINK GROUT, PLASTER SMOOTH INSIDE AND OUT.

3. STEPS OR HAND HOLDS SHALL BE ADDED AS NEEDED.

4. PRECAST GRADE RINGS AND RISERS MUST BE CAST WITH GROOVE TO ALLOW FIELD INSTALLATION OF SAFETY STEP.

5. REPLACE existing FRAME AND COVER/GRADE IF NON-STANDARD OR WORN.

6. GROUT INSIDE AND OUTSIDE OF MANHOLE/CATCH BASIN NECK TO ACHIEVE WATER TIGHT CONSTRUCTION. FINISH SMOOTH THE INSIDE OF THE NECK. USE NON-SHRINK GROUT ONLY.

7. LOCKING RING AND COVERS ARE REQUIRED IN ALL UNPAVED AREAS AND EASEMENTS. LOCKING RING AND COVER SHALL CONFORM TO STANDARD DETAIL D-22.