NO. DESCRIPTION
1. CONCRETE GRADE RING,
2. CONCRETE FOOTING,
3. NON-WOVEN GEOTEXTILE FABRIC X 2 EACH,
4. Silt in fabric - 6 INCHES LONG, ROTATE 90 DEGREES IN SECOND LAYER OF FABRIC.
5. #4 REBAR - 17-INCH DIAMETER,
6. #4 REBAR - LENGTH = 58 INCHES, OR (ALTERNATE - 14-INCH DIAMETER),
7. #4 REBAR - 12-INCH DIAMETER,
8. #4 REBAR - 8-INCH DIAMETER,
9. VALVE BOX ASSEMBLY - (SHOWN LEFT TO RIGHT) - VALVE BOX BOTTOM SECTION, OR 8-INCH DIAMETER, 2000 PVC PIPE, OR 6-INCH DIAMETER SDR 26 PVC PIPE,
10. VALVE = 12-INCH OR SMALLER,
11. TOP SECTION OF VALVE BOX,

DESIGN REQUIREMENTS
a. CONCRETE - $f = 4000$ PSI (PRECAST),
   OR 3500 PSI (CAST IN-PLACE).

b. STEEL REINFORCEMENT - REBARS - GRADE 60 (50,000 PSI) - ASTM A-615, OR WELDED WIRE FABRIC - ASTM A-195.

c. NON-WOVEN GEOTEXTILE FABRIC - CARThAGE MILLS #FX-40HS, MIRA#140, OR APPROVED EQUAL.

NOTES:
A. FOR PRECAST GRADE RINGS - FILL VOID BETWEEN GRADE RING AND CAST IRON VALVE BOX TOP SECTION WITH NON-SHRINK CEMENT.
B. FOR CAST-IN-PLACE GRADE RINGS - TOP SECTION OF CAST IRON VALVE BOX SHALL BE CAST IN THE CONCRETE.
C. TYPE A GRADE RINGS SHALL BE REQUIRED ON ROAD SHOULDERS WITHOUT CURB.
D. TYPE B FOOTINGS SHALL BE REQUIRED IN NEW CONSTRUCTION WHEN THE CAST IRON VALVE BOX IS LOCATED DIRECTLY IN THE ASPHALT.
E. TYPE B FOOTINGS SHALL BE REQUIRED AT ALL VALVE INSTALLATIONS.
F. FOR INSTALLATION DETAIL TWO - ONLY ONE VALVE BOX ASSEMBLY (PART #) SHALL BE REQUIRED, FOOTINGS SHALL NOT BE ON THE VALVE, AND SHALL BE CENTERED ON THE VALVE OPERATING NUT AS SHOWN.