General Notes:
1. Concrete: f_c = 4,000 psi @ 28 Days Minimum, Type III Cement
2. HS-20 Design Loading Conforms to Latest Specifications
   ASTM C478, AASHTO M199 Precast Reinforced Concrete Manhole Sections
3. One Pour Monolithic Base Section
4. Steel Reinforcement Conforms to Latest ASTM Specification:
   ASTM A-615, Grade 60 Black Deformed Bars
   ASTM A-185 Welded Wire Fabric
   0.15 Sq. In./Linear Ft. And 0.12 Sq. In.(Both Ways) Base Bottom
5. Butyl Rubber Joint Sealant Provided Conforms to ASTM C-990
   And Federal Spec SS-S-210A
6. 147 Gallons/VF
7. Holes & Elevations TBD
8. Sections Available in Increments of 6”
9. Booted Pipe Connections (If Used) Conform to ASTM C-923,
   Maximum Booted Connection Pipe Size is 30”
10. Maximum Pipe OD is 44” (36” RCP)
11. Plastic Manhole Steps (If Required) are Steel Reinforced
    Conforming to ASTM C-478

Est Weights:
Top Slab: 3,040 Lbs
Wt/VF: 1,280 Lbs
Floor: 1,939 Lbs

Phoenix Precast Products
5' Diameter Drain Manhole With Sump

77 Regional Drive
Concord, NH 03301

20Jan14_Rev5 ews