**General Notes**

1. Concrete: fc = 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
   - 0.12 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. 94 Gallons/VF
7. Holes & Elevations TBD
8. Sections Available in Increments of 6" 
   - Maximum Booted Connection Pipe Size is 24"
10. Maximum Pipe OD is 32" (24" RCP)
11. Plastic Manhole Steps (If Required) are Steel Reinforced
    - Conforming to ASTM C-478

**Est Weights:**

- Top Slab: 1,580 Lbs
- Wt/VF: 864 Lbs
- Floor: 931 Lbs

---

**4' Diameter Drain Manhole**

- (Shallow)