4’ DIA CATCH BASIN

ALTERNATE FLAT TOP AASHTO HS–20 LOADING

SEE DETAIL B

TYPICAL JOINT

PIPE TO MANHOLE
CONNECTIONS SEE
DETAIL A1, A2, A3
(SIZE TO SUIT)

DOME SECTION
1’, 1’–6”, 2’

RISER SECTION
1’, 2’, 3’, 4’

BASE SECTION
3’ THRU 6’

36” SUMP

24” SQ

10”

8”

24” SQ

8”

FLOOR

VERT. FT

FLAT TOP

WEIGHT

930 lbs.

875 lbs.

1,500 lbs.

VOLUME

94 gal.

DESIGN notes:
1. MANUFACTURED TO MEET OR EXCEED: ASTM C–478 & AASHTO M 199 SPECS.
2. CONCRETE = 5,000 PSI MINIMUM CEMENT PER ASTM C–478 (6.1)
3. REINFORCED STEEL COMFORMS TO LATEST ASTM A 185 SPECIFICATIONS.
4. 0.12 SQ. IN / LINEAL FT. AND 0.12 SQ. IN (BOTH WAYS) BASE BOTTOM
5. STEEL REINFORCEMENT TO MEET OR EXCEED AASHTO HS–20 LOADING
6. MANHOLE STEPS MEET LATEST OSHA REGULATION 29 CFR1910.27, SECTION 16
OF ASTM SPECIFICATION C478 AND SECTION 10 OF ASTM SPECIFICATION C497
7. BUTYL RUBBER JOINT SEALANT PER ASTM C–990 & ASHTO M–198
8. WATER PROOFING PER CONTRACT SPECS. AS REQUIRED