



4' DIAMETER PRECAST  
MANHOLE CONCENTRIC CONE

**GENERAL NOTES:**

1. MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST ASTM C478 SPECIFICATIONS FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS" AND NCDOT.
2. CONCRETE COMPRESSIVE STRENGTH 4,000 PSI MIN.
3. STEEL REINFORCING DESIGNED TO CONFORM TO THE REQUIREMENTS OF ASTM C478 AND SHALL UTILIZE GRADE 60 RE-BARS CONFORMING TO THE REQUIREMENTS OF ASTM A615 OR WWF CONFORMING TO THE REQUIREMENTS OF ASTM A185 OR DRAWN WIRE CONFORMING TO THE REQUIREMENTS OF A82 OR A COMBINATION THEREOF.
4. ADDITIONAL REINFORCING AT OPENINGS.
5. DESIGNED FOR H-20 LOADING.
6. STEPS SHALL BE STEEL REINFORCED COPOLYMER POLYPROPYLENE AND MEET THE REQUIREMENTS OF ASTM C478. SEE TYPICAL STEP DETAIL.
7. CONTRACTOR TO ADJUST TO GRADE AS REQUIRED. 4" GRADE RINGS TO BE SUPPLIED BY C.P.C. OR FIELD ADJUST BY CONTRACTOR.
8. CAST IRON RING AND COVER TO BE AS PER SPECIFICATIONS, SUPPLIED BY EITHER C.P.C. OR CUSTOMER.