

SECTION 712 - MISCELLANEOUS

Make the following amendment to said Section:

(I) Amend 712.07(C)(3) **Storm Drain Manholes** to read as follows:

"(3) **Storm Drain Manholes.** Fabricate the rungs for storm drain manholes either from:

- (1) 1.0-inch round wrought iron or steel bars; or
- (2) 0.5-inch round steel reinforced copolymer polypropylene plastic bars.

The 1.0-inch round wrought iron or steel bars shall conform to 712.07(C)(1) - Water Valve Manholes.

The 0.5-inch round steel reinforced copolymer polypropylene plastic shall conform to ASTM C478 and C497, except that the minimum horizontal pullout load shall be 1500 pounds; ASTM A615 grade 60 (deformed reinforcing steel bars); ASTM D4101; and AASHTO M 199. Provide the steps with foot-safe end lugs permanently molded into the step and safety foot thread designed for excellent grip. An independent certified laboratory shall prepare the Certification of compliance with the above requirements. Submit the Certification of compliance with the request for acceptance by the Engineer."

END OF SECTION