(i) Trunk sewers and laterals up to 12 inches may be constructed of extra strength vitrified clay, ASTM C-200 or extra strength concrete pipe, ASTM C-14.

(ii) Trunk sewers and laterals larger than 12 inches shall be reinforced concrete pipe ASTM C-76.

(iii) Pipe Class as follows:

A. Class II - 10' maximum cover
B. Class III - 14' maximum cover
C. Class IV - 20' maximum cover
D. Class V - 42' maximum cover

Trunk sewers and laterals shall have Class "C" bedding, having a loan factor of 1.5 minimum as defined by American Concrete Pipe Association. DEVELOPER shall provide manholes or catch basins with a minimum diameter of 4 feet at the point of each change in direction, size or slope of sewers, but no less than every 450 feet. Storm water systems shall be designed to provide capacity for 10 year storm frequency and 5 minute inlet time at the most remote inlet utilizing appropriate Rainfall Intensity - Duration - Frequency curves abstracted from Technical Paper #25 of the US Weather Bureau. Storm water inlets shall be designed for 0.25' head, inlet 50% blocked by grate and remainder 33% blocked by debris. The layout of storm water inlets shall be subject to the approval of MERCANTILE and shall be designed within 500' of MERCANTILE BUILDING so as not to require the runoff of surface water further than 200 feet in any direction to a catch basin or drop inlet. On-site storm sewers shall discharge to the public storm sewer system or other lawful point of discharge. Parking lot and other grading shall be arranged to provide storm water safe overflow, thus precluding any storm water entering buildings in the event of a storm of greater magnitude than that for which storm sewers are designed, or in the event of blocked inlet grates or storm sewers.

III. DOMESTIC WATER SYSTEM

The Domestic Water System shall terminate 5 feet from MERCANTILE BUILDING at such point, size and elevation as MERCANTILE shall designate. MERCANTILE'S water supply shall be capable of providing a minimum of 200 G.P.M. at a pressure of 50 PSI at ground level. 5.0 PSI additional pressure will be provided for each additional 10 feet of building height above 40 feet.