

# *Subsurface Drainage Requirements*

**The area between the lot owner's front property line and the edge of the street pavement is part of the street right of way (subdivision common property) and may be filled in for subsurface drainage only after review and approval of a subsurface drainage plan by the Architectural Review Committee. These same requirements for subsurface drainage apply to all subdivision drainage servitudes. Maintenance and repair of subsurface drainage installed in the common property is the responsibility of the property owner. The Committee requires that the design of the subsurface system be certified by a licensed Louisiana State registered Engineer using the following design criteria. (Design criteria were developed using Parish ordinances for subsurface drainage.)**

1. All culverts positioned within the drainage system shall be constructed of concrete, metal or plastic in accordance with Louisiana Department of Transportation and Development (DOTD) Engineering Directives and Standards Manual (EDSM) Nos. II.2.1.1; II.2.1.6 and II.2.1.13, dated July 20, 1992 as amended.
2. All culverts may be constructed of durable concrete; however corrugated metal pipe and plastic pipe may be used for residential driveways and subsurface conveyance where there is no traffic load.
3. All corrugated metal pipe shall be a minimum of 16 gauge, bituminous coated and installed with concrete headwalls.
4. All plastic pipes shall be ribbed or corrugated, double wall and installed with concrete headwalls.
5. Drop inlets must be constructed for every fifty (50') inlet of pipe.
6. Subsurface drainage shall be provided so that all surface water on the filled-in areas shall be carried away from the roadbed in a suitable manner. The drainage opening underneath the filled in area shall be adequate to carry the water in the roadway side ditches.
7. Elevations, top of casting and pipe inverts must be shown on the drawings to demonstrate compliance with the given design criteria.
8. Final "as-built" paving and drainage plans must indicate the invert elevation of the roadside ditch at each property line.
9. A concrete headwall shall be constructed at inlet end of the culvert unless it is connected to an existing driveway culvert.
10. Contractor doing the culvert installation must be licensed by the State and furnish a copy of liability insurance to the Architectural Review Committee before starting work.
11. Signed and notarized Hold Harmless agreement.