

## **BASIC STORMDRAIN NOTES**

1. Unless otherwise noted, the following stormdrain materials may be used as substitutes for one another:
  - A. Aluminized, Type 2 coated spiral-ribbed corrugated metal pipe (3/4" x 3/4" x 7-1/2" corrugations) and labeled as "ALCMP, T2-SR" on the plans with Gage identified.
  - B. Reinforced Concrete Pipe – labeled as "RCP" on plans with Class identified.
  - C. Smoothbore, high-density polyethylene pipe meeting the specifications of AASHTO M294, Type S (Examples include Hancor Hi-Q, ADS N-12 or an approved equivalent) and labeled as "HDPE, Type S" on plans.
2. All backfill to be per the pipe manufacturer's specifications at a minimum. Typical backfill shall be suitable material, such as free-draining sands and gravel conforming to ASTM D2321 Class I, II or III materials and be placed in lifts as necessary and compacted to 95 percent minimum dry density according to AASHTO T99 minimum (per AASHTO T180 in road right-of-way areas).
3. In areas of known karst (limestone formations), all stormdrain connections shall be watertight. Stormdrain examples are as follows:
  - A. Watertight Aluminized, Type 2 corrugated metal pipe shall use rubber O-Ring gaskets, rubber sleeve gaskets, strip gasket or geotextile wrap in conjunction with an appropriate band connector.
  - B. Reinforced concrete pipe shall utilize rubber O-rings, rubber strip gaskets or other acceptable watertight practice.
  - C. Smoothbore, high-density polyethylene pipe shall utilize watertight sleeves and rubber gaskets. Examples include Hancor Titeline, ADS ProLink-WT or an approved equivalent.
4. Basic pipe materials allowed are as follows:
  - A. All corrugated metal pipe shall be Aluminized, Type 2 coated and labeled as "ALCMP, T2" on the plan views and profiles.
  - B. All high density pipe shall be smooth-bore meeting the specifications of AASHTO M294, Type "S" and labeled as HDPE on plan views and profiles.