

TDOT DESIGN DIVISION DRAINAGE MANUAL

June 15, 2016

| Fill Height (feet) | | | | | |
|--|---|---|------------------------------|----------------------|---------|
| | ≤ 10 ft | > 10 ft and ≤ 16 ft | > 16 ft and ≤ 24 ft | > 24 ft and ≤ 38 ft | > 38 ft |
| Interstate system and any arterial with full access control (<i>Freeways</i>) | | | | | |
| Cross ditches, Transverse median ditches & Longitudinal storm ditches | RCP CL III | RCP CL III | RCP CL IV | RCP CL V | note 1 |
| Arterials | | | | | |
| Cross ditches & Transverse median ditches | RCP CL III CMP 10 g PVC HDPE/PP | RCP CL III CMP 10 g PVC HDPE/PP | RCP CL IV PVC | RCP CL V | note 1 |
| Longitudinal storm ditches | RCP CL III PVC HDPE/PP | RCP CL III PVC HDPE/PP | RCP CL IV PVC | RCP CL V | note 1 |
| Collectors | | | | | |
| Cross ditches & Transverse median ditches | RCP CL III CMP 12 g PVC SRTRP HDPE/PP | RCP CL III CMP 12 g PVC SRTRP HDPE/PP | RCP CL IV CMP 12 g PVC | RCP CL V CMP 12 g | note 1 |
| Longitudinal storm ditches | RCP CL III PVC HDPE/PP | RCP CL III PVC HDPE/PP | RCP CL IV PVC | RCP CL V | note 1 |
| Local Roads | | | | | |
| Cross ditches | RCP CL III CMP 14 g PVC SRTRP HDPE/PP | RCP CL III CMP 14 g PVC SRTRP HDPE/PP | RCP CL IV CMP 14 g PVC | RCP CL V CMP 14 g | note 1 |
| Longitudinal Storm Ditches | RCP CL III PVC SRTRP HDPE/PP | RCP CL III PVC SRTRP HDPE/PP | RCP CL IV PVC | RCP CL V | note 1 |
| For All Road Systems | | | | | |
| Side Drains (Pipes under private driveways, business or field entrances) | RCP CL III CMP 16 g PVC SRTRP HDPE/PP | RCP CL III CMP 14 g PVC SRTRP HDPE/PP | RCP CL IV CMP 14 g PVC | RCP CL V CMP 14 g | note 1 |
| Longitudinal Median Drains | RCP CL III CMP 16 g PVC SRTRP HDPE/PP | RCP CL III PVC SRTRP HDPE/PP | RCP CL IV PVC | RCP CL V | note 1 |

Table 6A-1
Pipe Selection Criteria Based on System and Fill Height
(see notes on next page)