

- 6.3. Peak storm runoff that has a 10% probability of occurrence (10-year average return period) shall be used for calculating the capacity of road drainage facilities. Peak storm runoff that has a 2% probability of occurrence (50-year average return period) shall be used for calculating the capacity of sump area drainage facilities. All drainage facilities shall be designed such that adjacent lot pads will not be flooded by the storm runoff that has a 1% probability of occurrence (100-year average return period). Consideration shall also be given to flooding caused by plugging of drainage facilities.
- 6.4. To prevent undue interference with traffic on urban roads (any section with curbs), a portion of the roadway shall be kept free of longitudinally flowing drainage water during the 10-year storm as shown on the Standard Plates.
- 6.5. Cross-gutters are not permitted across primary and secondary roads. Cross gutters are permitted on local residential streets at controlled (stop signs) side streets only.
- 6.6. Concentrated runoff may not flow across sidewalks. Parkway culverts shall be used.
- 6.7. Minimum Storm Drain Pipe Size and Material
- 6.7.1. Minimum pipe sizes for City-maintained storm drains shall be 24" inside diameter for mains and 18" inside diameter for laterals.
- 6.7.2. Pipe material for City-maintained storm drains shall be RCP with a minimum D-Load rating of 1350-D. Design of RCP shall be in accordance with VCFCD standards.
- 6.7.3. Smaller diameters and alternative pipe materials for privately-maintained drainage laterals may be allowed within the public R/W at the discretion of the City Engineer.
- 6.7.4. Manholes shall be constructed at major storm drain junctions, pipe diameter changes, and at minimum 500' spacing.
- 6.8. Storm drain facilities that accept stormwater from public R/W shall be owned and maintained by the City. Debris basins or other drainage improvements on public open space lands shall be maintained by the City or other public agency. Natural drainage courses on public open space lands are not maintained by the City.
- 6.9. Storm drain facilities to be maintained by the City that cross private property shall be within a storm drain easement, minimum 15' wide. For pipelines larger than 36" diameter or deeper than 10' to invert, the minimum easement width shall be 25'. Access gates and roads shall be provided for maintenance of City facilities on private property.

				CITY OF THOUSAND OAKS PUBLIC WORKS DEPARTMENT	
CHG	DESCRIPTION	DATE	INITIAL		
APPROVED <u><i>Melinda White</i></u> <u>5/20/17</u> CITY ENGINEER DATE				STANDARD DESIGN AND CONSTRUCTION CRITERIA	
				PLATE NO. <b>1-7</b>	