



Public Works Department

Code Enforcement • Engineering • Facilities
Solid Waste • Street • Traffic

REQUIREMENTS FOR CITY ACQUISITION OF EXISTING DETENTION BASINS

Please respond to the following questionnaire and return to the City Engineering Division.

The following requirements must all be met and approved before the City will accept acquisition of the said detention basin.

1. Is the detention basin capable of routing the 100 yr. storm flow without damage to the basin or the basin berm?
YES NO
2. Will the basin floor support mowing machinery?
YES NO
3. The Low Flow Channel:
 - A. Is the low flow channel, from the inlet structure to the outlet structure, lined with concrete?
YES NO
 - B. Is the low flow channel at least 4 feet wide and 6 inches thick?
YES NO
 - C. Are dummy joints located at 10 ft. intervals along the low flow channel?
YES NO
4. Does the basin floor and berm maintain a thick and healthy vegetation growth that stabilizes the berm?
YES NO
5. Does the basin have concrete headwalls on both the inlet and outlet structures?
YES NO
6. Does the outlet structure have an energy dissipating splash slab? The slab must be 1.5 times the diameter of the discharge pipe in width and 3 times the diameter of the discharge pipe in length.
YES NO
7. Are the slopes of the berm on a 3 to 1 grade? If not, what are the slopes of the berm.
YES NO
8. Is the basin floor on at least a 1.0% grade from the exit structure to any point in the basin?
YES NO
9. Does the outlet structure have a trash rack to prevent clogging?
YES NO
10. Has sediment accumulation inside the basin changed the volume available for storage?
YES NO