

BIRD ISLAND SPLASH PAD

Location: Tennis Court area in the 12 Acre Lion's Memorial Athletic Field Park just east of the Junior Varsity ball field.

- Options:**
1. Wall Mount Manifold (mechanical building and restrooms).
 - Estimated cost: \$662,900
 2. Smart Point Manifold (no mechanical building and restrooms).
 - Estimated cost: \$442,240

Features/Work for Option 1 & 2:

1. Remove the tennis court.
2. Construct a parking lot.
3. Constructing a 2,000 SF splash pad with about 10 play features.
4. Construct mechanical bldg/restrooms & sanitary sewer line (Option 1 only)
5. Storm water pond (splash park and parking lot run off)
6. Storm sewer outlet.
7. Site and parking lot lighting.
8. 3 benches and 1 shade structure.
9. Restorations.

Estimated Water Usage:

- Three months of operation (June—August).
- 75 days of use—this assumes 17 days of little or no use due to weather).
- Splash pad will run for 4 hours per day.
- Estimated water use: 1,440,000 gallons (system uses 4,800 gals per hour)

Irrigation:

- City staff requested consideration to re-use the water to irrigate the park and baseball fields adjacent to the proposed splash pad location. The Department of Health has verified the water can be reused following certain conditions.
- Irrigation equipment would be an additional cost (ballpark has sprinkler system to use).

Maintenance:

Daily: Empty trash cans, general debris cleaning in and around splash pad

Annually: Pressure wash concrete and play features to remove calcium deposits.

Winterizing: Drain water lines to drain pit, change out embedded ground nozzles to a plug, turn off the system.

Grant(s):

- DNR has an Outdoor Restoration Grant that will do a 50% match of up to \$150,000. It has been used in the past for the skate park at the City Park.



Splashpad Design Concept B – 2,033 Sq. Ft.

View 7



SMARTFLOW SUSTAINABLE WATER MANAGEMENT SYSTEMS

The water supply to a typical Splashpad* is drawn from a clean-water source. After use in the water features, the effluent water can be captured & reused for irrigation, replenish a body of water, or percolated to ground water. Vortex offers various cutting-edge capture & repurpose solutions to achieve your sustainability goals & allow your Splashpad* to work in harmony with the environment.

SMARTFLOW FLOW-THROUGH SYSTEM

What is it?

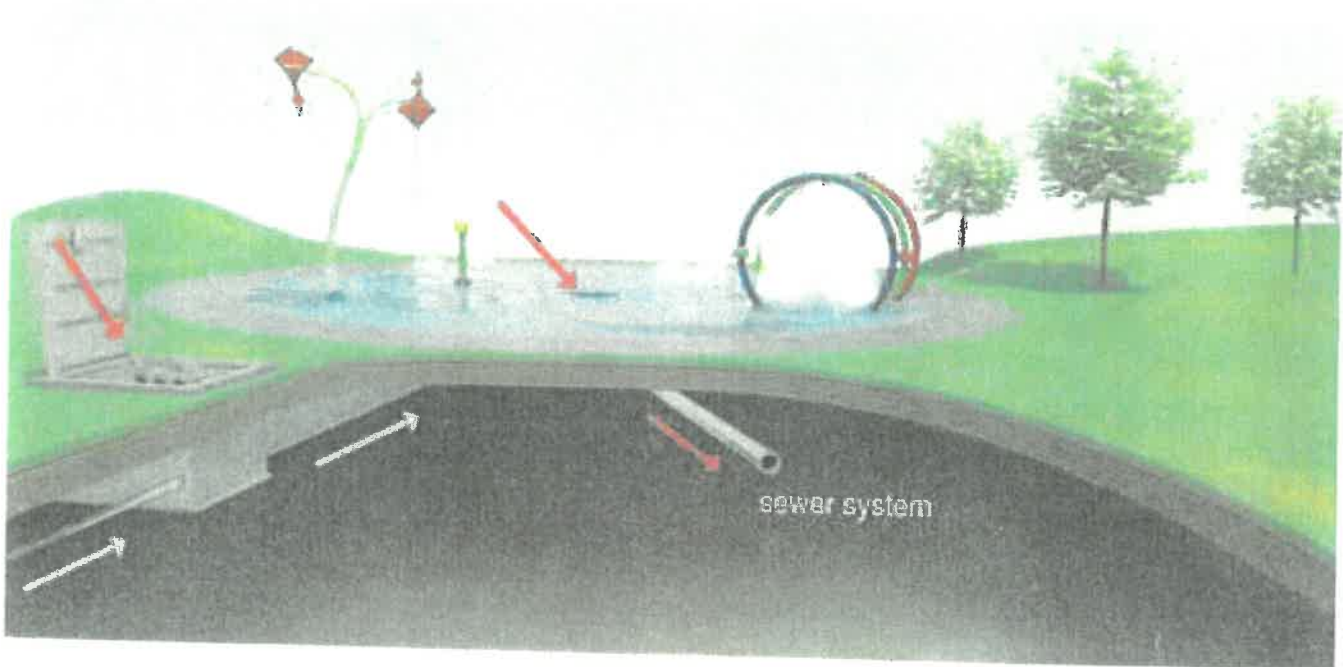
Potable water goes through the play area and then the effluent water is drained back into the municipal wastewater system.

Features & Benefits

- Low initial capital investment
- Low maintenance costs

When to use it?

Flow-through systems are used in areas where costs of effluent water are low, there are no regulations on water restrictions, and costs are low for sending waste water back into the local sewer system.







Park Splashpad®, Bacliff, TX

View 1





Hidden Valley Park Splashpad®, Team Fred, TX

Revision 00 - Option 01 - Pirate Theme - 24709

View 1

