Attachment A

Design and Construction Standards for Wastewater Collection Systems
CCWRD Addendum for Recreational Splash Pad Sewer Connections

GENERAL STATEMENT:

This addendum is to clarify specific Clark County Water Reclamation District (CCWRD) requirements for recreational splash pads that may not be fully addressed within the Design and Construction Standards for Wastewater Collection Systems (DCSWCS). This addendum only addresses splash pad connections to sanitary sewer lines, and does not apply to splash pad connections into storm drains. Where discrepancies exist between the requirements of DCSWCS and this addendum, this addendum shall apply. If not amended by this addendum, the requirements as specified in DCSWCS shall apply.

Recreational Splash Pads are an aquatic play area for interaction with fountains, sprays, jets and other special play features in which the water is discharged into an open drain to prevent standing water.

ENGINEERING AND PLANNING CONTROLS:

These requirements are to prevent the inflow into the sanitary sewer in conformance with EPA best management practices, and to ensure downstream capacity for the splash pad jets at peak flow.

1. Manufacturer’s plans for the splash pad equipment, with certified flow rates for each fixture/jet must be reviewed and approved by CCWRD staff prior to start of construction. The splash pad peak flow rate with all fixtures flowing will be used to determine capacity in the downstream sewer main. If the maximum peak flow rate allowed by the site water meter/backflow assembly is less than the all-jets-flowing flow rate, this flow may be used instead.

2. CCWRD staff will review the peak flow rate of the splash pad equipment and determine the maximum allowable sewer lateral size for the splash pad site. This maximum size will have capacity to serve only the peak fixture/jet flows without any excess capacity for inflow. This size restriction is only for the non-domestic wastewater from the splash pad, and does not apply to discharge from the restrooms or any other park facilities.

3. CCWRD staff will determine a point of connection for the park sewer lateral based on total peak flow rate for all combined park facilities.

4. The splash pad perimeter must be elevated to prevent run-on from the surrounding terrain.
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5. An appropriately sized sand-oil separator shall be installed in the splash pad sewer lateral, meeting all requirements of applicable Clark County code.

6. The splash pad drain into the sewer lateral must be equipped with an automated rain-detecting valve that closes the sewer connection when rainfall is detected. The valve must be designed so that manual opening is required after an automatic shutoff event.

7. The splash pad drain shall have a means of diverting rainwater flows into storm drain or surface drainage.

8. The water supply line for the splash pad must be equipped with a separate water meter that is accessible to CCWRD staff.

9. Offsite civil improvement plans must be reviewed and approved by CCWRD staff prior to start of construction of any on-site sewer facilities. All sewer facilities must be designed and constructed in conformance with all current CCWRD design criteria.

10. Construction of the splash pad sewer connection must be inspected by CCWRD Developer Inspections staff.

11. As required for all developer projects, connection fees must to be paid prior to start of construction.

12. A written agreement will be required granting CCWRD right-of-entry to service, inspect, and/or maintain the water meter, rain-detecting valve, and other related components of the splash pad sewer connection.