

September 8, 2021

# PROGRESS REPORT FOR HPUD CHILDREN'S PARK

THG PROJECT NO. 744.087

## VARIOUS AQUATIC FACILITY SITE VISITS IN IMPERIAL COUNTY

### City of El Centro Aquatic Center

1. HPUD Operators and THG staff visited the City of El Centro Aquatic Center to review the splash pad facilities. Splash pad equipment, surge tank, piping and valves, concrete finish, filtration system, disinfection system, control panel, testing and monitoring method, maintenance and operation challenges and other pertinent matters were reviewed with the City of El Centro Aquatics Maintenance Technician.
2. The system uses chemical disinfection with hypochlorite/muriatic acid and sand filter. There is no UV system. The El Centro Aquatic Facility Operator suggested that there should be separation and containment for chemical tanks.
3. Maintenance and testing kits should be acquired for 2 to 5 years of supply.
4. Flexible coupling adapters should be considered for the wall mount fittings.
5. Surge tank is to be cleaned annually to remove corrosion from chlorine.
6. Regular cleaning is done using mild dish soap (Dawn).
7. After a thorough review of the facility, the El Centro Aquatic Facility Operator recommended that an operator(s) for the HPUD Splash Pad participate in an Aquatic Facility Operator (AFO) Training to master the maintenance and operation requirements and to become a certified operator(s) for aquatic facilities.
8. The training is available online or in-person. Training information can be found at:  
<https://www.nrpa.org/certification/AFO/>  
<https://knorrsystems.com/afo-certification-overview>  
Leslie's Pool Supplies Store at El Centro may offer AFO trainings.

### City of Imperial Eager Park Splash Pad

1. HPUD Operators and THG staff also visited the City of Imperial Eager Park Splash Pad to review the splash pad facilities. Reviewed the splash pad equipment, surge tank, piping and valves, concrete finish, filtration system, disinfection system, control panel, testing and monitoring method, maintenance and operation challenges and other pertinent matters.
2. Eager Park Splash Pad in the City of Imperial was constructed in 2005; therefore, the facility may not comply with the newer requirements of the California Building Code (CBC) and the County of Imperial Environmental Health Department's requirements.
3. The operator of the splash pad informed us that there is a problem with the touch-sensor activator of the splash pad during the hot months. The operator recommended the activator be push-button. The pre-selected activator by our vendor is a push-button activator.

4. The splash pad water filtration system consists of sand filter and chemical disinfection with hypochlorite tablet/liquid and muriatic acid. There is no UV system for the unit.
5. The operator recommended that HPUD require all special tools be provided by the Contractor/vendor to clean and maintain the splash pad system including jets/nozzles remover and cleaner for apparatus.
6. Drainage baskets/screens are essential to keep the system free of debris and trash. The City of Imperial Splash Pad Operator recommended extra screens be provided by the Contractor/Vendor for the drainage system and also filtration system (sand filters).
7. The operating season of the splash pad is from the end of April to the mid-October. The operator cleans the entire system prior to and at the end of the operating season.
8. The maintenance cost budgeted for the splash pad facility is \$10,000.00 per year. Pumps need to be cleaned by a professional service. The City of Imperial uses a company in Yuma, AZ.
9. Chemicals needed for the system cost about \$500.00 per year.
10. There is no drain for the recirculated water/storm runoff. The operator uses a vac truck to clean-up the system.
11. There is no AC unit in the building. There are two exhaust fans/vents. The building measures about 12' x 17'.
12. The City of Imperial Splash Pad Operator informed that testing data need to be kept in accordance with the County of Imperial Environmental Health Department.
13. Major maintenance for the splash pad mentioned was replacing the pumps (dual system for the recirculation and backwash) and re-coating of the apparatuses.

## DESIGN PROGRESS

1. Site visits and research of other splash pad/aquatic center design
2. Continuous effort on the coordination of the splash pad design and mechanical room configuration/site layout
3. Coordination with electrical engineer and landscape architect on the design details.
4. Iteration of design and plan check review of the improvement plans.
5. Preparation of detail drawings.
6. Review of the permit requirements by IID, County of Imperial Public Works Department, Environmental Health Department and Building Department.
7. Establishment of Schedule of Events (Attached)

# The Holt Group



Engineering Department

Municipal Design ■ Infrastructure Engineering ■ Construction Management ■ Land Surveying

## Heber Public Utility District

### Children's Park Renovation Project

State Park Development and Community Revitalization Project No. XS-13-036  
THG Project No. 744.087E

#### Schedule of Events

**Date: August 13, 2021**

<u>ITEM NO.</u>	<u>ITEM</u>	<u>SCHEDULE</u>
1.	Preparation of Cover Letter transmitting Legal Advertisement to the Imperial Valley Press. The Imperial Valley Press requires the Legal Advertisement 72 hours or 3 business days prior to the Advertising of the Project.	Tuesday, November 9, 2021
2.	Project Advertisement for Bidding in the Imperial Valley Press. Contact Contract Document Distribution Service Providers.	Friday, November 12, 2021 and Friday, November 19, 2021
3.	<b>Non-Mandatory</b> Pre-Bid Conference at <b>10:00 a.m.</b> in Children's Park located at 39 Crane CT., Heber, CA 92249.	Friday, November 19, 2021
4.	<b>Bid Opening</b> at <b>2:00 p.m.</b> at Heber Public Utility District Office, 1078 Dogwood Road, Suite 103, Heber, CA 92249.	Tuesday, December 7, 2021
5.	Bid Documents Review for Conformance with Bid Requirements.	Tuesday, December 7, 2021 through Thursday, December 9, 2021
6.	Award of Contract for Project Construction at the Regularly Scheduled HPUD Board Meeting.	Thursday, December 16, 2021
7.	Processing of Contract Documents. Receive Insurance Certificates, Performance Bond and Payment Bond from Contractor. Review of Insurance and Bond Documents by District Attorney. Execution of Agreement and Notice to Proceed after approval of Insurance and Bond Documents by District Attorney.	Friday, December 17, 2021 through Friday, December 31, 2021

<b><u>ITEM NO.</u></b>	<b><u>ITEM</u></b>	<b><u>SCHEDULE</u></b>
8.	Project Construction Material Submittal Documents Review Period	Friday, December 17, 2021 through Friday, January 21, 2022
9.	Pre-Construction Conference at Heber Public Utility District Office at <b>10:00 a.m.</b>	Friday, January 7, 2022
10.	Issuance of Notice to Proceed to Contractor.	Friday, January 7, 2022
11.	Construction Start Day	Monday, January 17, 2022
12.	Project Construction – 210 Calendar Days. (60 Days estimated for Permitting Process and 150 Calendar Days estimated for Material Procurement and Construction).	Monday, January 17, 2022 through Sunday, August 14, 2022
13.	Final Project Inspection with Contractor, HPUD and County of Imperial Building and Health Departments.	Monday, August 8, 2022
14.	Contractor to address "Punch List" items and finish project construction.	Friday, August 12, 2022
15.	Filing of Notice of Completion at County of Imperial Recorder's Office.	Monday, August 15, 2022
16.	Grand Opening of Children's Park	Monday, August 15, 2022