

Date:

May 07, 2013

Applicant:

Coachella Valley Water District
75-515 Hovley Lane East
Palm Desert, CA 92260
Contact: Jim Barrett
(760) 398-2651

Applicant's Representative:

ICF International
Contact: Zackry West
(951) 683-2356

Project Name:

Whitewater River – Coachella Valley Stormwater Channels Operation and maintenance (O&M) Project

Receiving Water:

The Whitewater River and Coachella Valley Stormwater Channels (WWR/CVSC), Salton Sea

Location:

City or area: Iris, Imperial County, California
Longitude/ Latitude:
Township/Range:

Project Description:

The proposed project consists of O&M of the Whitewater River/Coachella Valley Stormwater Channels, as well as reaches of four tributaries to the WWRSC/CVSC. The O&M activities are critical to properly maintain the facilities to ensure optimal hydraulic capacity during stormwater events in order to protect life and property.

Operation and maintenance activities include mowing, mulching, grading, tree removal, disking, excavating, contouring and alignment of pilot channel, repair and replacement of existing constructed flood control facilities, and water monitoring, to allow the WWRSC/CVSC system to operate under optimal conditions per design. While not all of these activities will require discharge into waters of the U.S., some of the activities may require the replacement of existing materials, such as degraded or damaged concrete or riprap, or temporary fill using native soil from within the channel.

Project Location:

The WWRSC/CVSC is located in the County of Riverside at the base of the southern slopes of the San Bernardino Mountains and flows southeast through the Coachella Valley for

approximately 50 miles until reaching the Salton Sea. The WWRSC/CVSC system extends through the cities of Palm Springs, Cathedral City, Rancho Mirage, Palm Desert, Indian Wells, La Quinta, Indio and Coachella, and the unincorporated community of Thermal.

For the proposed project, the WWRSC/CVSC feature is separated into four reaches which include various segments within each reach. These segments are used to establish and assign the location for covered operations and maintenance activities.

1. Reach I: This reach extends approximately 12 miles, beginning at the Colorado River Aqueduct Turnout (Aqueduct Turnout) and terminating at Vista Chino Road in Palm Springs. This reach consists of two sub-reaches: the upper sub-reach occurs between the Aqueduct Turnout and the CVWD Whitewater Groundwater Replenishment Facility (Replenishment Facility) intake and is used to convey imported water for groundwater replenishment; the lower sub-reach occurs between the Replenishment Facility intake and Vista Chino Road.
2. Reach II: This reach extends approximately 16 miles, beginning at Vista Chino Road in Palm Springs and terminating at Washington Street on the border of the cities of Indian Wells and La Quinta. Within Reach II of the WWRSC, there are areas where golf courses and managed turf projects exist within the limits of the channel. These areas were omitted from consideration since CVWD is not responsible for O& M activities in these areas.
3. Reach III: This reach extends approximately 8 miles, beginning at Washington Street in La Quinta and terminating at the Valley Sanitary District outfall in Indio.
4. Reach IV: This reach extends approximately 17 miles, beginning at the Valley Sanitary District outfall in Indio and ending at the terminus of the levies adjacent to the Salton Sea.

In addition to the WWRSC/CVSC feature, four tributaries to the WWRSC/CVSC are also included in the proposed project:

1. Mission Creek is located approximately 1.25 miles west of Gene Autry Trail in Reach I. CVWD maintains approximately 0.5 mile of Mission Creek north (upstream) of the WWRSC.
2. Deep Canyon Channel is located in Reach II, approximately 0.24 mile upstream of Washington Street. CVWD maintains approximately 0.1 mile of the Deep Canyon Channel south (upstream) of the WWRSC.
3. La Quinta Evacuation Channel joins the CVSC approximately 0.32 mile east and downstream of Jefferson Street in Reach III. CVWD maintains about 1.2 miles of the La Quinta Evacuation Channel south (upstream) of the CVSC.
4. Thousand Palms Channel, located in Reach III, joins the CVSC just downstream of where the CVSC crosses under Indio Boulevard, approximately 3.5 miles upstream of the start of Reach IV. CVWD maintains approximately 1.0 mile of the Thousand Palms Channel north (upstream) of the CVSC.

Latitude and Longitude

Location in Project	Latitude	Longitude
Reach I Upstream Limit (Colorado River Aqueduct Turnout)	33.934984°	-116.637859°
Mission Creek Tributary	33.884477°	-116.523690°
Reach I Downstream Limit (Vista China Road)	33.844881°	-116.496063°
Deep Canyon Channel Tributary	33.717517°	-116.299478°
Reach II Downstream Limit (Washington Street)	33.717899°	-116.294696°
La Quinta Evacuation Channel Tributary	33.712098°	-116.263766°
Thousand Palms Channel Tributary	33.736856°	-116.244921°
Reach III Downstream Limit (Valley Sanitation District Outfall)	33.717175°	-116.194413°
Reach IV Downstream Limit (Salton Sea)	33.508810°	-116.057892°

USGS 7.5 Minute Quadrangles, Section, Township, Range

Township, Range	Sections
Quad: Cathedral City	
4 S, 5 E	6, 7, 8, 17, 20, 21, 28, 33, 34
5 S, 5 E	2, 3, 11, 12
Quad: Desert Hot Springs	
3 S, 3 E	24
3 S, 4 E	19, 20, 21, 22, 23, 25, 26, 27, 28, 29
3 S, 5 E	30
Quad: Indio	
5 S, 7 E	13, 14, 15, 22, 24
5 S, 8 E	19, 29, 30, 32
6 S, 8 E	4, 5, 9, 10, 15, 22, 23, 26, 27
Quad: La Quinta	
5 S, 6 E	15, 16, 17, 22, 23, 24
5 S, 7 E	19, 21, 28, 29, 30
Quad: Mecca	
6 S, 8 E	26, 35
7 S, 8 E	2, 11, 12, 13, 24, 25
7 S, 9 E	19, 29, 30, 31, 32, 33

Township, Range	Sections
8 S, 9 E	4
Quad: Palm Springs	
3 S, 4 E	25, 26, 36
3 S, 5 E	31
4 S, 4 E	1
4 S, 5 E	6
Quad: Rancho Mirage	
5 S, 5 E	12
5 S, 6 E	7, 17, 18
Quad: Valerie	
6 S, 8 E	26, 35
Quad: White Water	
3 S, 3 E	2, 11, 13, 14, 23, 24

Total Size

WWRSC/CVSC Jurisdictional Channel Size

Channel Description	Acreage	Linear Feet
Reach I	1107.23	63,101
Mission Creek	2.09	1,882
Reach II	277.93	48,297
Deep Canyon Channel	0.94	704
Reach III	145.87	39,160
La Quinta Evacuation Channel	8.56	6,271
Thousand Palms Channel	28.84	5,753
Reach IV	725.08	90,391
Total	2,296.54	255,559 (48.4 miles)

Action:
Pending

Water Board Contact:
Jay Mirpour, Water Resources Control Engineer
(760) 776-8981
jmirpour@waterboards.ca.gov