

REQUEST FOR PROPOSALS  
for the  
SEELEY CREEK WWTP EROSION PROJECT  
for the  
CRESTLINE SANITATION DISTRICT  
*September 6, 2024*

The Crestline Sanitation District (CSD) is requesting proposals for erosion control at Seeley Creek Wastewater Treatment Plant. The District currently owns and operates three wastewater treatment facilities that collectively produce approximately 0.5 MGD of disinfected secondary effluent. Treated effluent from the three plants is discharged to an 11-mile-long effluent outfall that transports the recycled water to an 825-acre pasture irrigation site north of the district near Hesperia. A fourth plant owned by the State Department of Forestry also discharges to the outfall.

Crestline Sanitation is seeking bids on an urgent erosion repair at the Seeley Creek Wastewater Treatment Plant, at 700 Skyland Spur Access Rd. in Crestline CA. Due to the severity of the erosion, and the onset of Fall and the mountains rain season this project has been upgraded to urgent status. The project will consist of 2 parts. Both part A: The slope on the eastern edge of the plant below the Primary Clarifier, and part B: the western slope starting at the plant gate and continuing to the operations building require drain rehabilitation and or installation to direct rain water away from the affected areas, as well as slope rehabilitation and retention. The district is to pay the appropriate state prevailing wage rate for the project.

Both Part A and Part B slope rehabilitation solution shall consist of an Mechanically Stabilized Earth (MSE) Reinforced Steepened Slope at the base (Exhibit A) of the slide areas with an Erosion Control Turf Mat covered 2:1 Slope extending upward to top of slope. The slope rehabilitation solution shall be Hanes Geosynthetics supplied by Maccaferri Green Terramesh (6'x9.8'x2.31'-60 degree) MSE Steepened Slope System and MacMat R1 8127 Green Turf Mat placed on the 2:1 Slopes for erosion protection. Green Terramesh is a HITEC evaluated reinforced soil slope system comprised of continuous polimac double twisted wire mesh that forms the top wrap, facing and continues into the reinforced soil zone as a reinforcement along with Maccaferri MacGrid WG Geogrid. The units are lined with a geosynthetic erosion control blanket and stiffened with welded mesh panel. Two triangular brackets and four steel support struts are used to achieve the design inclination. All components are preassembled at the production plant. MSE Slope Solutions without FHWA HITEC Reports and that require onsite assembly of the various MSE components shall not be allowed. The 2:1 Slope MacMat R1 8127 Green Turf Mat is a steel reinforced geomat consisting of a polymer made 3D matrix extruded on to a polimac double twisted wire mesh to provide erosion protection. Only steel reinforced geomats (turf mats) shall be accepted to prevent long term slope surface erosion.

The MSE Slope System shall be installed by excavating at base of slope to bedrock level and constructing the MacGrid WG Geogrid reinforced Green Terramesh MSE Slope upward (approximately 10 ft in

height) at a uniform 60-degree angle until a 2:1 fill slope above can be achieved above the MSE structure to top of slope. Topsoil shall be placed inside the MSE Slope System Facing to promote vegetation

growth. Internal Slope Stability Design and Construction Drawings shall be included with the overall slope rehabilitation solution. Global Stability shall be completed by the Geotechnical Engineer. Welded Wire Basket MSE Slope Systems are not desired since they do not provide a uniform slope facing and are at risk of weld breakage. PVC Coated and Galvanized Wire Mesh shall not be allowed due to the risk of wire corrosion and cold weather environment. An anchor trench shall be cut at the top of the 2:1 fill slope to install the MacMat R1 8127 Green Turf Mat (steel reinforced geomat) down the slope face covering all new constructed slope surfaces. Installation shall include connecting adjacent turf mat panels with clips and pinning material to the slope surface per manufacturers installation instructions.

Part A: Slope failure at the western side of the plant below Primary Clarifier. This slope failure is undermining the clarifier and fence on this side of the plant. Contractors must have an acceptable course of action to not only rehabilitate the slope, but also for the preservation of the slope in the future. The grade of the slope should be brought back to a 2:1 grade and should have a drain built into the slope itself for proper removal of water to keep the hillside from becoming saturated during rain events. Rehabilitation of current drainage or installation of new drainage on the hillside above the slope has to be completed, and kept to at least a 1% grade to promote swift redirection of stormwater away from the repaired slope.

Part B: Slope failure at eastern side of plant, starting at the plant gate and extending to the operations building. The slope failure at this side of the plant is undermining the road leading into the plant, as well as the fence along that side. Several Utilities run just outside the fence on that side including Edison, Phone, and Water. Contractors must have an acceptable course of action for the rehabilitation of the hillside, as well as a plan for the preservation of the slope in the future. The asphalt is damaged and will need repair. The road will need to be regraded back to the original slope to direct water back into the plant and toward plant drains. Drainage culverts will have to be repaired and or installed, and kept to at least 1% grade to direct storm water away from repaired hillside.

CSD is expecting RFP submittals that include:

- A listing and description of similar projects that have been completed by the contractor(s) that will be engaged on this project.
- A description of the likely project team that will be utilized for this project.
- The ability of the contractor to begin work on this project immediately following contract execution and final results within by November 15, 2024.

Following receipt of proposals from interested firms, CSD will interview up to three of the most qualified contractors and then enter into negotiations with a single company.

#### **RFP Submittal Requirements**

Contractor's wishing to respond to this RFP, should submit six copies of their proposal submittal to the CSD's Headquarters by Tuesday, September 17, 2024 at 9:00am. The address for CSD Headquarters is:

Crestline Sanitation District  
24516 Lake Drive  
Crestline, CA 92325-3395

Questions related to the RFP should be directed to Dawn Grantham, the District's General Manager at (909) 338-1751.

CRESTLINE SANITATION  
DISTRICT  
NOTICE INVITING  
SEALED PROPOSALS

NOTICE IS HEREBY  
GIVEN that Crestline  
Sanitation District will be  
accepting sealed proposals  
for the following:  
Seeley Creek WWTP Erosion Project.

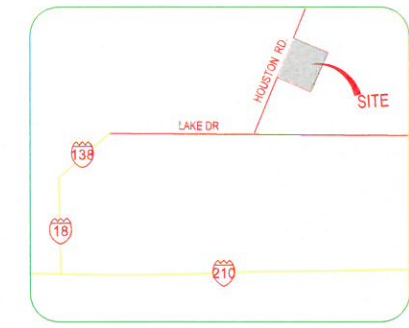
A job scope can be found on our website  
[www.crestlinesanitation.com](http://www.crestlinesanitation.com)

Proposals must be  
received by Crestline  
Sanitation District,  
24516 Lake Drive,  
Crestline, CA 92325-3395  
No later than  
September 17, 2024 at 9:00am

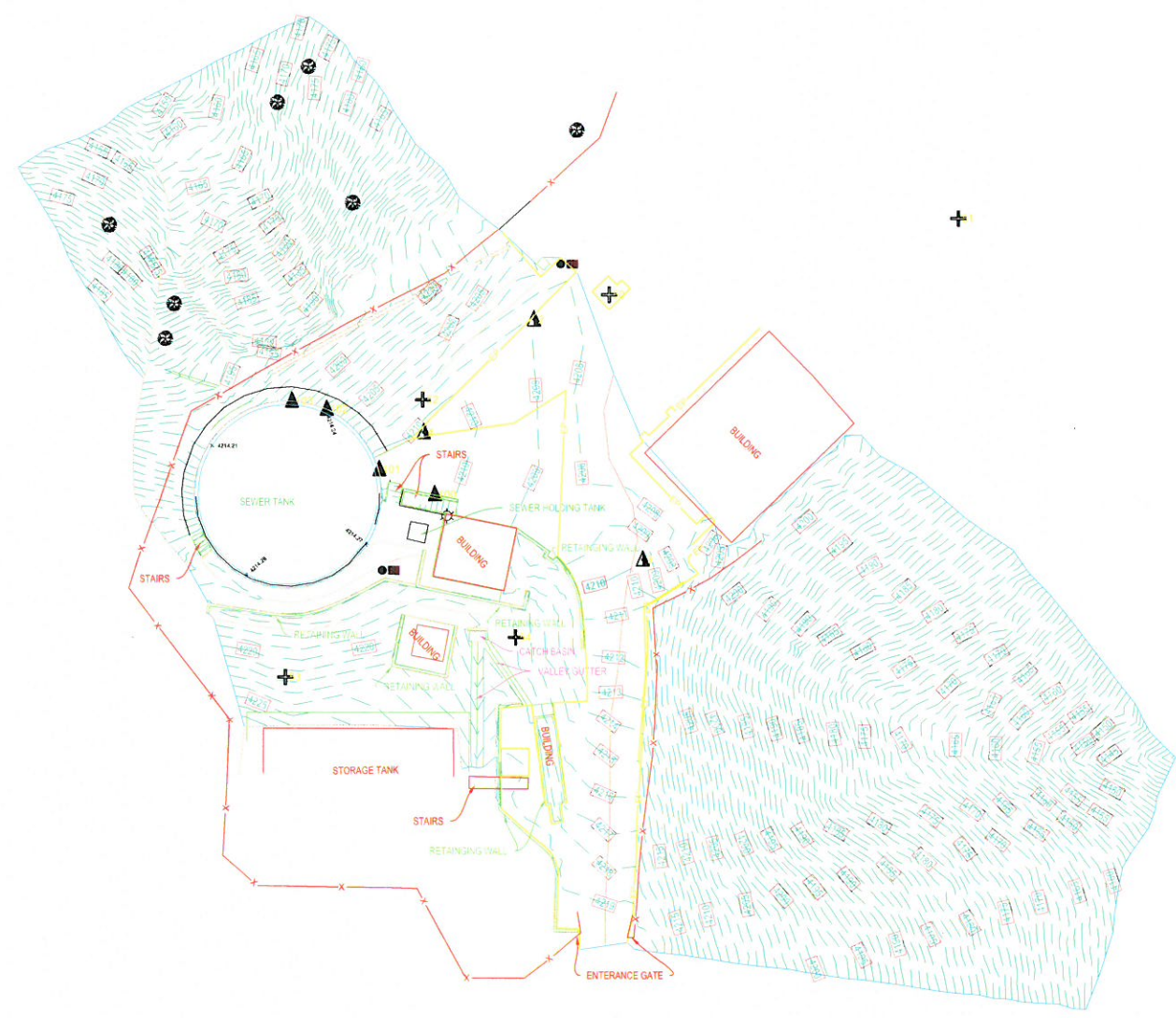


# TOPOGRAPHIC SURVEY

OF  
CRESTLINE SANITATION DISTRICT, CITY OF CRESTLINE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA



VICINITY MAP  
NOT TO SCALE



**SYMBOL LEGEND**

SYMBOL	DESCRIPTION	CODE
●	BOLLARD	BL
⊕	HORIZONTAL & VERTICAL CONTROL POINT	CNPT
⊙	DECIDUOUS TREE	DTR
⊛	ELECTRIC AREA LIGHT	EOLT
⊕	FLIGHT CROSS POINT	FX
⊙	SEWER TANK	SSTK
⊕	HORIZONTAL CONTROL	WKPT

**LINE LEGEND**

LINE	DESCRIPTION
—	EDGE PAVEMENT
-X-X-	FENCE

**CONTROL TABLE**

PTS	NORTHING	EASTING	ELEV	DESC
2	10074.29	71565.18	4209.12	CNPT
3	10014.21	71592.45	4209.93	CNPT
4	10046.00	71537.75	4210.58	CNPT
50	10080.52	71583.92	4207.05	FX
51	10099.61	71671.49	4203.81	FX
52	10054.21	71537.47	4208.62	FX
53	9994.71	71503.31	4222.92	FX
54	9994.74	71560.67	4217.75	FX
100	10030.45	71540.53	4213.76	WKPT TARGET
101	10036.73	71526.72	4213.15	WKPT TARGET
102	10051.83	71513.57	4206.96	WKPT TARGET
103	10053.84	71504.88	4213.43	WKPT TARGET

**BASIS OF BEARINGS**  
THE BASIS OF BEARINGS FOR THIS MAP IS THE CALIFORNIA COORDINATE SYSTEM, ZONE 5, NORTH AMERICAN DATUM 1983 (NAD 83) COORDINATES, AND ADJUSTED TO GEOID 18. COORDINATES SHOWN HEREON ARE GRID VALUES. USE THE FOLLOWING LOCAL SITE VALUES TO OBTAIN GROUND VALUES:

LOCAL SITE - LAT: N 34°15'59.22634" LON: W 117°18'19.01023"  
E HGT: 4105.12 FT  
GSP: 1.0002367883 FALSE OFFSET: 5700000.00 N, 1910000.00 E

ELEVATIONS SHOWN HEREON ARE SHOWN IN US SURVEY FEET AND BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE DERIVED FROM GPS OBSERVATION.

**SURVEYOR'S CERTIFICATION**  
THIS TOPOGRAPHIC MAP WAS PREPARED BY ME OR UNDER MY DIRECTION AND IS BASED UPON A FIELD SURVEY COMPLETED ON APRIL 30, 2024.



DATED: MAY 28TH, 2024

JOSEPH S. HICKS LS 8353  
OZONE REALITY CAPTURE



NO.	DESCRIPTION	DATE	BY

...\\Logos\Ozone.jpg

WWW.CRESTLINECITY.COM  
PH: 951-474-1188  
3000 CRENSHAW, ANAHEIM, CALIFORNIA 92805

Seeley Hillside		
PROJECT NO:	Albert A. Webb Associates	SCALE: 1"=20'
DRAWN BY:	Topographic Survey	DATE: 05/28/2024
CHECKED BY:		SHEET NO. 1 OF 1



