



# WASHOE COUNTY

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## STAFF REPORT

**BOARD MEETING DATE: September 22, 2020**

**DATE:** September 1, 2020  
**TO:** Board of County Commissioners  
**FROM:** Alan Jones, Sr. Licensed Engineer, Engineering and Capital Projects  
Community Services Department, 954-4651, [ajones@washoecounty.us](mailto:ajones@washoecounty.us)  
**THROUGH:** Dwayne Smith, P.E., Division Director, Engineering and Capital Projects,  
Community Services Department, 328-2043, [desmith@washoecounty.us](mailto:desmith@washoecounty.us)  
**SUBJECT:** Recommendation to approve a Professional Consulting Services  
Agreement between SB Engineering and Washoe County for engineering  
design services for the Phase 2 – Veterans Parkway to Hidden Valley  
Regional Park – Effluent Expansion project [in the amount of \$199,915].  
(Commission District 2.)

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### SUMMARY

The South Truckee Meadows Water Reclamation Facility (STMWRF) is permitted by the State of Nevada to discharge treated effluent for irrigation and construction water purposes only. In response, Washoe County continues to manage the production and disposal of treated effluent through rigorous planning and engineering approaches. These approaches focus on the establishment of new irrigation customers, maintaining existing irrigation customers, and the development of alternative engineering solutions that bring the lowest cost and highest value to Washoe County's sanitary sewer customers.

In alignment with these management approaches, County staff has identified the need for a pipeline and storage tank for future effluent use in the Hidden Valley area. Currently, Phase 1 of the project is in the bidding phase (Phase 1 – Alexander Lake Rd to Veterans Parkway – Effluent Expansion Project) and it is anticipated that construction for this project will be completed in the Spring of 2021. Phase 2 of the effluent expansion project brings the pipeline from Veterans Parkway to the Hidden Valley Regional Park. The project also includes a water storage tank. SB Engineering, a professional engineering consultant, was selected to provide the Phase 2 design. The scope of services in support of this work includes survey and mapping, geotechnical field investigations, NDEP permitting services, BLM land permitting services, special use permit services, and preparation of a final design and specifications for bidding purposes.

Washoe County Strategic Objective supported by this item: Safe, secure, and healthy communities.

**AGENDA ITEM # \_\_\_\_\_**

## **PREVIOUS ACTION**

On June 23, 2020, the Board of County Commissioners (Board) approved a Professional Consulting Services Agreement between Farr West Engineering and Washoe County for engineering design services for the Hidden Valley Regional Park – Effluent Disposal Facility Phase I project in the amount of \$401,000

On May 19, 2020, the Board approved the Capital Improvements Plan for Fiscal Years 2021-2025.

On June 11, 2019, the Board authorized payment to the City of Reno [in the amount of \$603,271.80] for the disposal of treated effluent from the South Truckee Meadows Water Reclamation Facility diverted to the City of Reno sanitary sewer collection system.

On May 21, 2019, the Board approved the Capital Improvements Plan for Fiscal Years 2020-2024.

On April 9, 2019, the Board awarded a bid and approved the Agreement to the lowest responsive, responsible bidder for the Phase 1 – Cast-In-Place Pipe Lining Project [Low Bidder - SAK Construction, LLC, in the amount of \$1,746,298]; and approved an Agreement for Professional Consulting Services between Washoe County and Brown and Caldwell to provide construction services for the Phase 1 – Cast-In-Place Pipe Lining Project [\$167,358].

On September 25, 2018, the Board awarded a bid and approved the Agreement to the lowest responsive, responsible bidder for the 2018 Manhole Rehabilitation Project [Low Bidder - National Coating & Lining Co., in the amount of \$372,707.00].

On July 18, 2018, the Board authorized an agreement for Professional Consulting Services between Washoe County and Electro Scan Inc., commencing August 28, 2018 through August 27, 2019, to provide condition assessment of approximately 14,000 feet of sanitary sewer interceptors within the South Truckee Meadows Water Reclamation Facility service area [\$124,500.00].

On July 12, 2016, the Board approved a change order for \$30,188.85 to the Agreement for Professional Consulting Services between Washoe County and NewFields Companies, LLC that provided inspection and material testing services during construction of the Huffaker Hills Effluent Storage Reservoir – Phase 2 Liner Expansion Project.

On August 11, 2015, the Board approved an Agreement for Professional Consulting Services between Washoe County and NewFields Companies, LLC, for a six-month term, to provide inspection and material testing services during construction of the Huffaker Hills Effluent Storage Reservoir – Phase 2 Liner Expansion Project.

On July 14, 2015, the Board awarded a bid and approved the Agreement to the lowest responsive, responsible bidder for the Huffaker Hills Effluent Storage Reservoir – Phase 2 Liner Expansion Project, A&K Earth Movers, Inc. in the amount of \$4,060,000.

On January 30, 2015, the Purchasing and Contracts Manager approved a consulting services contract with NewFields Companies, LLC in the amount of \$80,900 for the Phase 2 design of the project.

### **BACKGROUND**

The South Truckee Meadows Water Reclamation Facility (STMWRF) currently provides non-potable reuse water for over 335 customer accounts located in the South Truckee Meadows service area. The highly treated effluent is used to irrigate commercial and residential areas, parks, schools, and golf courses. Due to the continued growth in the South Truckee Meadows service area, the average annual influent flows to the STMWRF continue to increase and in response, staff continues to develop the highest value and lowest cost options to manage and expand the use of this highly valuable resource, preserving critical potable water resources so they can be used for drinking water and water quality purposes. These high-value, low-cost options include maximizing the use of highly treated effluent for irrigation and construction water and, in the case of Hidden Valley, developing rapid infiltration basins (RIB) within the Hidden Valley Regional Park property that could be used a year-round as an effluent disposal option to help in the effluent management of the system.

County staff has identified the need for a pipeline and storage tank for this future effluent in the Hidden Valley area. Phase 1 of the project included a pipeline from the South Truckee Meadows Water Reclamation Facility along Alexander Lake Rd to the proximity of Veterans Parkway. Currently, this project is in the bidding phase and its anticipated that construction for this project will be completed in the Spring of 2021. The next phase, Phase 2, of the effluent expansion project brings the pipeline from Veterans Parkway to the Hidden Valley Regional Park and will include a water storage tank located within the Hidden Valley Regional Park.

### **FISCAL IMPACT**

The Effluent Water Projects were approved by the Board in the FY 2021 Capital Improvement Program. Sufficient funds and budget authority in FY2021 for the design services exists in the Utilities Fund (566), Effluent Distribution Exp-Ph 2 Vet to HVP (WR860112), Professional services (710100). Revenues in support of this project are provided from sewer connection fees.

### **RECOMMENDATION**

It is recommended that the Board of County Commissioners approve a Professional Consulting Services Agreement between SB Engineering and Washoe County for engineering design services for the Phase 2 – Veterans Parkway to Hidden Valley Regional Park – Effluent Expansion project [in the amount of \$199,915].

### **POSSIBLE MOTION**

Should the Board agree with staff's recommendation, a possible motion would be. "Move to approve a Professional Consulting Services Agreement between SB Engineering and Washoe County for engineering design services for the Phase 2 – Veterans Parkway to Hidden Valley Regional Park – Effluent Expansion project [in the amount of \$199,915]."