

Graveyard Wash Reservoir Project



February 1, 2022



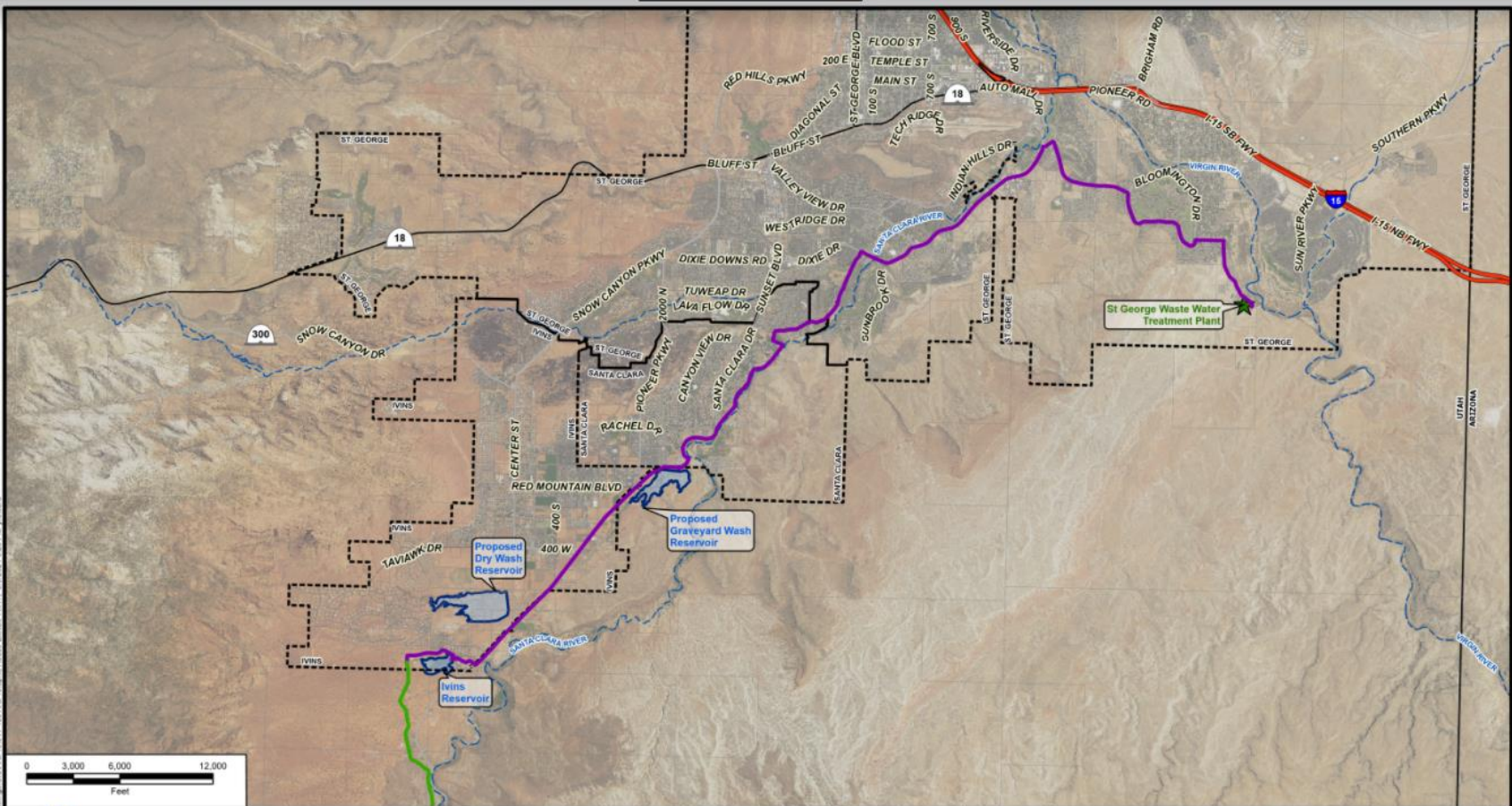
Re-Use Plant

- Re-use Project was constructed by the City of St. George in 2006 as part of a water rights settlement agreement.
- The Re-use Project consisted of the re-use plant, 15 miles of 24" diameter pipeline, three (3) booster pump stations, and two reservoir sites.
- The environmental work was completed in 2003, and a BLM Grant for the Graveyard Wash Reservoir was secured in 2004.
- Re-use plant produces Type I Reuse Water and has a current Plant Capacity of 7 MGD -10.5 MGD with 3rd filter bay equipped.
- 7,800 AF – 11,750 AF Capacity.

**St. George Regional Water Reclamation Facility
(SGRWRF)**


St. George

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St. George

ALPHA ENGINEERING

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Legend

- Reuse Line
- WCWCD Gunlock Line
- - - Municipal Boundary
- ▭ Washington County Parcels

1 of 1

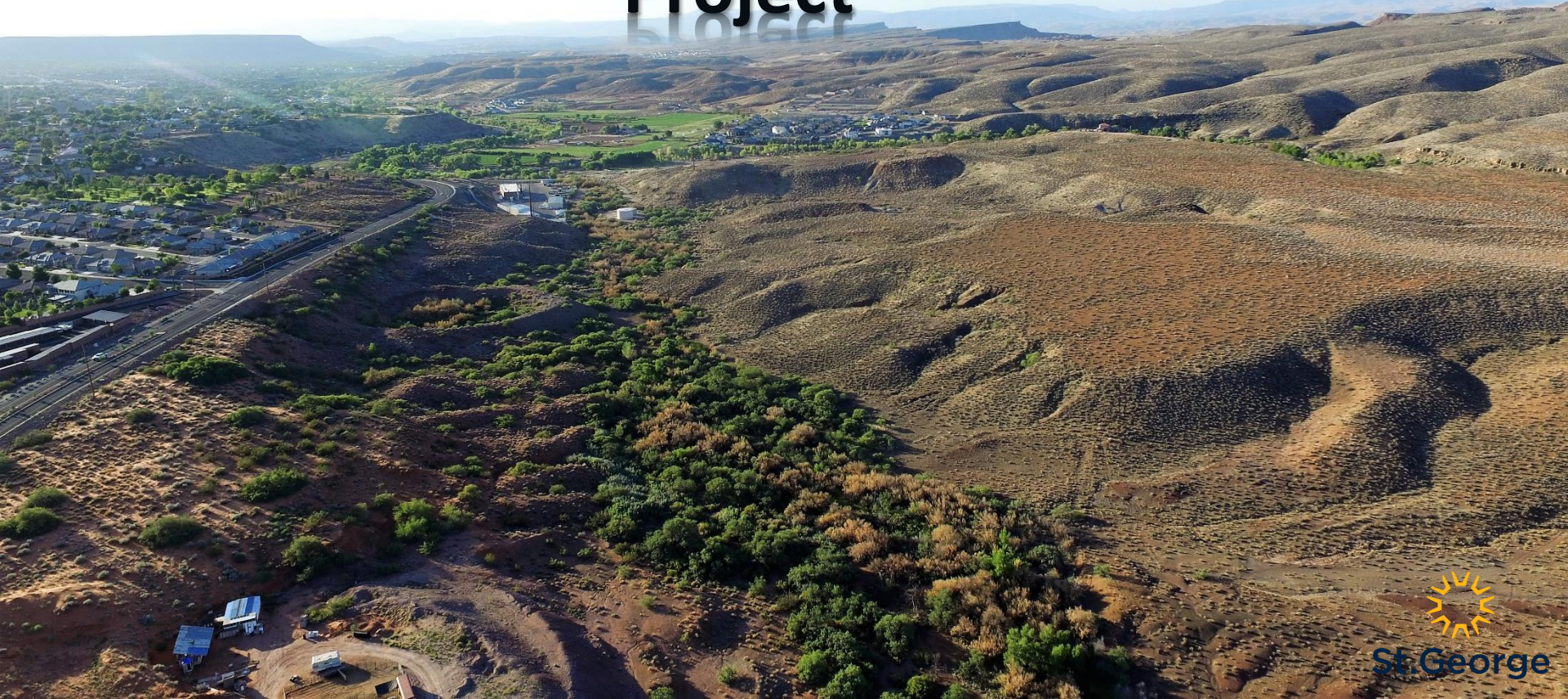
**City of St. George Reclaimed Water
Transmission & Storage Exhibit**

Spatial Reference:	Utah State Plane NAD 83, feet
Drawn By:	JRH
Scale:	1" = 6,000 feet
Date:	September 9, 2021

Graveyard Wash Reservoir Project



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Graveyard Wash Reservoir

- Reservoir used to store Reuse water during winter months
- ~2,100 acre-ft reservoir
- Existing 24-inch and 30-inch dia. pipeline from Gunlock Reservoir to SFRWRF
- Storage provides secondary irrigation to about 5,100 homes.



Irrigation / Reuse Users (~6,000 AF)

Golf Courses (7 Courses)

- Sun Brook
- South Gate
- Sun River
- Entrada
- Dixie Red Hills
- St. George Golf Course
- Bloomington County Club

Parks (21 of 33 Irrigated Parks)

- Vernon Worthen
- Bluff Street
- Snow Park
- 2450 E. Park
- Bloomington Hills Parks
- The Canyons Softball Complex
- Little Valley Complex
- Centennial Park
- Hidden Valley Park
- Cottonwood Cove Park

Schools (13 Schools)

- Dixie High School and Middle School
- Heritage Elementary School
- Little Valley Elementary School
- Sunrise Ridge Intermediate School
- Desert Hills High School and Middle School
- Pine View High School and Middle School
- Snow Canyon High School and Middle School
- Coral Cliffs Elementary School
- Bloomington Hills Elementary School

Other

- Dixie State University
- Tonaquint Cemetery
- St. George Cemetery
- Town Square
- Hidden Valley Subdivision
- Bloomington Ranches
- Misc. Bloomington Hills Subdivision
- Misc. Churches
- Desert Color Development

Secondary Irrigation Use

- Currently ~50% of residential water use is for outdoor landscaping.
- The City of St. George is currently working with the Washington County Water Conservancy District (WCWCD) and surrounding communities (Ivins, Santa Clara, Washington, Hurricane, LaVerkin, Toquerville) on a Landscape Ordinance, which will greatly reduce the amount of landscape (especially turf grass) that is allowed in all new development.
- New Landscape Ordinance could cut outdoor irrigation use in half.

