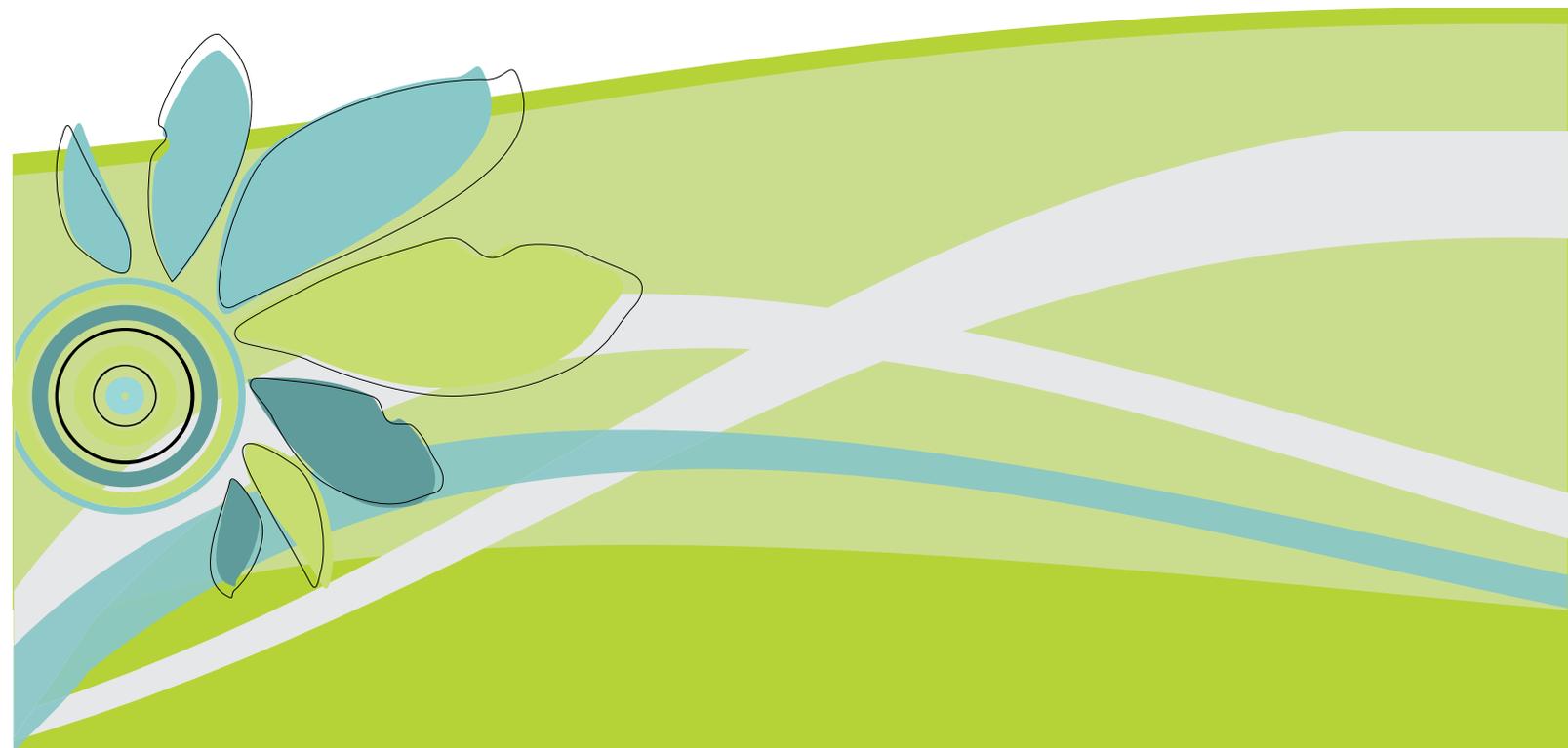




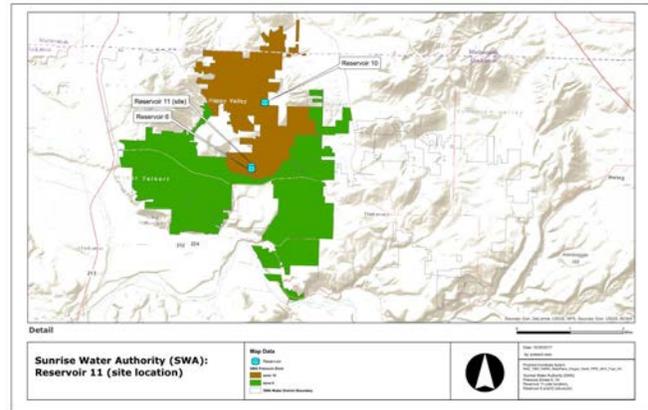
Reservoir 11 Construction Good Neighbor Plan

May 15, 2018



Purpose

Sunrise Water Authority (Sunrise) is constructing a new 3 million gallon reservoir located just off SE Verlie St. and SE 147th Avenue in the city of Happy Valley. The construction site is the location of an existing Sunrise reservoir and pump station. The construction of the new reservoir is scheduled to begin in early June 2018 and run through the fall of 2019. The project is needed to provide adequate storage in support of the continued growth of the city of Happy Valley, while improving system-wide resiliency in the event of a major disaster, such as large regional earthquake.



The new reservoir will be built just north and adjacent to our existing reservoir, down the hill from SE Faris St. The construction site is situated among several newer neighborhoods and will require heavy machinery, trucks, and other vehicles to enter this area on a regular basis. This activity will obviously impact the shared use of the roads and create disturbance to the surrounding community. Sunrise, however, is committed to working with the area residents to create a “Good Neighbor Plan (GNP)” designed to identify important concerns and work toward minimizing the impacts during and after construction.

The goal of this plan is to establish lines of communication to those affected by this project and allow for actionable feedback during construction. We will also be looking for community input regarding post-construction restoration of the site and its future maintenance.

Timely completion of the reservoir project is necessary to continue meeting the community’s need for safe and reliable drinking water. Our goal is to complete the project in a manner that minimizes the impacts to the surrounding neighborhood, while being responsive to community concerns. At Sunrise, our customers come first. We’re part of the community and committed to the broad success of this important project and its integration into the neighborhood. We recognize the project will create a significant level of disruption but want you to know we care about you and your neighborhood during construction and beyond.

Process & Schedule

The construction of the new reservoir will be executed in three main phases:

- Earthwork excavation and slope stabilization
- Building of the concrete reservoir
- Backfilling and restoration of the site

The *earthwork excavation* will require the removal of about 40,000 cubic yards of soil and rock. Because the new reservoir will be largely buried in the side of a hill, the preparation will require the creation of a “hole” that is more than 50-feet deep along its north side. With a hole this deep, the slopes will have to be stabilized with engineered walls and anchors, incorporating the latest in earthwork technology.



Once the “hole” is created, the *construction of the concrete reservoir* begins with the pouring and curing of the floor, followed by the walls, and then the roof. The cylindrical concrete structure is more than 150-feet in diameter and nearly 35-feet tall. Once the structure is in place, it’s wrapped with tensioned steel cables to reinforce the structure for added stability and water-tight integrity. The cabling is then covered with concrete and sealed into its final form.

The final step focuses on restoring the site to its final grade. To do this, soil is brought back to the site with the goal to *partially bury the reservoir* to its roof line along the north, while tying into to the existing grade of the adjacent reservoir to the south.

The entire construction will take about 18-20 months (depending on the weather). The plan is to begin the project in June 2018 and complete construction by the end of fall 2019, followed by final landscaping and site restoration (under separate contract). The primary excavation and construction of the reservoir are scheduled to take about 13 months, with backfilling and final grading thereafter. An overview of the planned construction scheduled is outlined below:

	2018								2019									
	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
Site Excavation		■	■	■	■	■												
Reservoir Construction						■	■	■	■	■	■	■	■	■				
Site Backfill														■	■	■	■	
Final Grading and Sitework																	■	■

Key Issues

Sunrise has reached out to area residents asking for input regarding concerns, both during and after construction of the new reservoir. The principle concerns raised regarding the construction itself focus on:

- Traffic disruptions
- Haul Routes
- Noise and dust
- School bus disruption
- Road debris
- Oil and fuel contamination
- Access to on-going details about the project
- Ability to report issues and concerns during construction



After construction, residents have asked to provide input on the finished landscaping plans and site screening. Sunrise has agreed to work with the neighborhood in creating a final site design. This design, however, is subject to city permit requirements and may restrict use and placement of certain types of trees, shrubs, ground cover, fencing and other landscape materials. That said, Sunrise recognizes the reservoirs and site are part of the neighborhood and their presence should look to blend into the surrounding landscape, while minimizing the visual impact to nearby residents. Accordingly, residents have asked to provide input on:

- Final landscape designs
- Reservoir screening and color
- Permanent ground cover
- Fencing
- Tree locations
- Walkway restoration
- Maintenance and irrigation

As we move toward construction, Sunrise has gathered these comments and formulated a series of actions items intended to address or mitigate resident's concerns. Many of these actions items have already been incorporated into the design and construction documents, while others will come as part of continued cooperation with the neighborhood. A detailed discussion of the key element of the *Good Neighbor Plan* are outlined in the series of action items described herein.

Action Plans

During Construction

Undoubtedly, a project of this scale situated within an active neighborhood is going to create inconvenience and disruption from time to time. That said, Sunrise will be directing the construction of this project to:

Vehicle Traffic

- Limit truck traffic to a primary haul route along SE Verlie St. and SE Misty
- Create a common entrance and exit to the site at the southeast corner of the property
- Limit staging of trucks within the boundaries of the construction site
- Minimize street congestion by limiting off-site construction parking

Noise

- Prohibit use of un-muffled air brakes, also known as “jake brakes.”
- Limit construction activities to weekdays, 7:00 am to 6:00 pm.
- Prohibit blasting or explosive removal of rock

Safety

- Require fencing and restricted site access area at all times
- Provide lighting or security presence at night and weekends
- Coordinate with the fire district to assure unimpeded emergency access
- Eliminate conflict with school bus routes and stops
- Mitigate seismic risk by partially burying finished reservoir



Other

- Require active on-site dust control (e.g. misters and sprayers)
- Control off-site debris and dirt on roadways (e.g. daily street sweeping)
- Require trucks and heavy equipment to be in “good working condition”
- Manage and maintain a “complaint hotline”
- Provide periodic construction updates and schedule on project webpage

On-going Communications

During construction several communications channels will be maintained and available to residents.

- Sunrise will have an on-site construction manager to oversee compliance.
- Project Web Page for updated construction schedules, milestones, notices, and other information at: www.sunrisewater.com/reservoir11
- Sunrise Facebook Page for construction updates, schedules, notices, and feedback at: www.facebook.com/SunriseWaterAuthority
- Contact list (email address or phone number) to receive notices or bulletins.
- Project “Hotline” to report issues or concerns: (503) 683-7283
- Door hangers for an urgent or important notifications.

Post Construction

The aesthetics of the site and its continued security are major concerns for neighbors. After the reservoir is built and the site brought to final grade, Sunrise intends to work with the neighborhood to create a site restoration plan, including landscaping, security, and maintenance actions.

Aesthetics & Amenities

- Preserve and protect existing trees wherever feasible.
- Blend landscaping into the surrounding environment
- Covering site with permanent (irrigated) grass or ground cover
- Maintain grounds and landscaping on a regular basis
- Screen new and existing reservoir views from adjacent homes to the extent practicable.
- Paint or coat both reservoirs in a color that blends with the landscape.
- Install permanent fencing around site integrated into surrounding facilities.
- Restore pedestrian path along SE 147th Avenue
- Create an open and connected public space (e.g. walkway and landscaping) along SE Faris Street



Contact information

For more information about the Reservoir 11 construction project contact:

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Visit our project website at: www.sunrisewater.com/reservoir11

Call the **Project Hotline** at (503) 683-7383 to report an issue or concern. The phone is staffed 8:00 am to 5:00 pm Monday through Friday. After hours/weekend calls will be returned by the end of the next business day.