

Sun Valley Water & Sewer District Infrastructure Projects



Sun Valley Planning and Zoning Commission January 24, 2013

Using funds from a 2007 Construction Bond, the Sun Valley Water & Sewer District (District) will aggressively work toward the completion of several projects during the 2013 construction season.

Projects include the design and construction of infrastructure to deliver treated Class A reuse water to the Elkhorn Golf Course (EGC), and the design and construction of infrastructure to provide additional storage to the drinking water pressure zone serving the Lane Ranch Subdivision and St. Luke's Hospital. Additionally, infrastructure designed and installation initiated in 2012 will continue throughout the year. Projects already completed include a domestic water connection to the Lane Ranch Subdivision, and preliminary reuse piping from the proposed reuse booster pump site through to the Lane Ranch North Project (LRN).

Specific construction projects being developed for completion during the 2013 construction season include:

REUSE WATER

The District is in the process of initiating new Reuse Water operations. Major construction projects will be completed during the 2013 season, including:

1. Installation of a 12-inch diameter reuse water pipeline from the Weyyakin pond area to Parcel A of the LRN Project. The line is approximately 2000 feet in length, running south to the existing fence between Weyyakin and the Wyndemere subdivisions, then paralleling the common fence line to Elkhorn Road before running east to LRN Parcel A. The engineering and design of this water pipeline are completed and have been given preliminary approval by the State of Idaho Division of Environmental Quality (DEQ); revised drawings will be resubmitted to DEQ for final approval in January. Easement discussions are also underway with property owners and should be in place prior to the proposed April 2013 construction start date.
2. Construction of a Reuse Booster Pump Station on the northeast corner of the intersection of Weyyakin and Elkhorn Roads. The booster station site is partially on LRN parcel donated by the LRN developer and partially on a triangular Blaine County parcel acquired by the District. The booster pump station will have a design capacity of one million gallons per day, and it will include two delivery reuse pumps, a mechanical pump room, electrical service room, and an emergency generator room housing a natural gas fired generator for required backup power. Discussions continue with the Weyyakin Homeowners Association regarding construction of an entryway monument on this site.
3. Installation of a 12-inch diameter reuse pipeline through the LRN Subdivision. This line will run under the planned subdivision roadway and on to the Reuse Reservoir site. Installation has been designed and approved by DEQ, and construction of the reuse line began late in 2012. Completion is scheduled for the 2013 construction season.
4. Construction of a one million gallon concrete reuse storage reservoir above the existing EGC south driving range. The reservoir will include two separate 500,000-gallon storage cells, and common-wall construction providing operational flexibility. The site will be laid out such that a second parallel reservoir can be constructed in the future. The hilltop reservoir is in the final stages of design.

5. Installation of distribution piping from the one million-gallon reuse reservoir to the EGC pumping station east of the Summit I Condominiums. The pipeline will accommodate the future supply of reuse water for snowmaking. Design of the 12-inch diameter reuse delivery pipeline is currently underway, and the District is working with Sun Valley Company and Sun Valley Elkhorn Association to finalize the pipeline alignments for easements through their property.

DOMESTIC WATER

In addition to the District's new Reuse program, domestic water operations will be expanded during the 2013 season, to meet the growing demand for District services in the City of Sun Valley, new construction and design projects include:

1. Construction of a 400,000 gallon drinking water reservoir located on Parcel B of the LRN Project. This storage reservoir is designed to provide domestic water, irrigation and fire protection to the southern end of the District's service area.
2. Construction of Well #13 south of the Elkhorn traffic light on the west side of State Highway 75. Well #13 will provide water for the District's new LRN reservoir. This well is scheduled for design and construction in the near term, and is required to provide beneficial use by 2015 to meet Idaho state water right requirements.



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