



State of Utah

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Department of
Environmental Quality

Alan Matheson
Executive Director

DIVISION OF DRINKING WATER
Kenneth H. Bousfield, P.E.
Director

October 9, 2015

Evan D. Miller
Powder Mountain WSID
P.O. Box 270
Eden, UT 84310

Dear Mr. Miller,

Subject: **Plan Approval**, Summit at Powder Mountain PRUD Phase 1D Revised, System #29028, File #10212

This letter supersedes the Phase 1D portion previously conditionally approved on September 11, 2013, under File #9318.

The Division of Drinking Water (the Division) received the revised plans and specifications for Summit at Powder Mountain PRUD Phase 1D distribution system from your consultant, Ryan Cathey, P.E., of NV5, Inc. Also received on this date is the updated Hydraulic Model that included Phase 1D revisions. The Division previously issued a conditional Plan Approval for the water lines serving Phases 1A, 1B, 1C, and 1D on September 11, 2013, under File #9318.

Our understanding of the revised Phase 1D project is the removal of Rolling Drive and all water lines that were originally designed in that roadway. Lots 96-115 have been eliminated from the plat and those parcels and some adjacent open space have been consolidated into a single Development parcel D6. The water line in Daybreak Ridge Drive has been increased to 16-inch C-905 PVC (DR-18). The Ridge Nest (Lot 116, 20 nest cabins) remains as approved in a letter from the Division dated July 18, 2014, under File #9318.

We have completed our review of the plans and specifications, stamped and signed by Ryan W. Cathey, P.E. and dated August 28, 2015, and find they basically comply with the applicable portions of Utah's Administrative Rules for Public Drinking Water Systems in R309. On this basis, **the revised plans for the water lines serving Summit at Powder Mountain PRUD Phase 1D are hereby approved.**

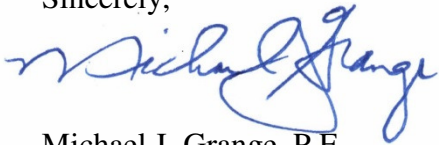
This approval pertains to construction only. **An Operating Permit must be obtained from the Director before water lines of this project may be put in service.** A checklist outlining the items required for operating permit issuance is enclosed for your information.

Approvals or permits from the local authority or the county may be necessary before beginning construction of this project. As the project proceeds, notice of any changes in the approved design, as well as any change affecting the quantity or quality of the delivered water, must be submitted to the Division. Because we may conduct interim and final inspections, please notify us when construction begins.

This approval must be renewed if construction has not begun or if substantial equipment has not been ordered within one year of the date of this letter.

If you have any questions regarding this letter, please contact Bob Hart, of this office, at (801) 536-0054, or Ying-Ying Macauley, Engineering Section Manager, of this office, at (801) 536-4188.

Sincerely,



Michael J. Grange, P.E.
Acting Director

REH

Enclosure — Operating Permit Checklist

cc: Louis Cooper, Env. Director, Weber-Morgan Health Department, lcooper@co.weber.ut.us
Sean Wilkinson, Weber County Planner, swilkinson@co.weber.ut.us
Jared Andersen, P.E., Weber County Engineer, jandersen@co.weber.ut.us
Dana Q. Schuler, P.E., Weber County Engineer, dshuler@co.weber.ut.us
Paul Strange, Summit Group, paul@summit.co
Russ Watts, Summit Group, russ@wattsenterprises.co
Ryan Cathey, P.E., NV5, Inc., ryan.cathey@NV5.com
Camron Harry, Division of Drinking Water, charry@utah.gov
Bob Hart, Division of Drinking Water, bhart@utah.gov

Utah Division of Drinking Water — Checklist for Issuing Operating Permits

Water System Name: _____ System Number: _____

Project Description: _____ File Number: _____

Items 1 through 8 below must be submitted to the Division and found to be acceptable prior to operating permit issuance. However, distribution lines without booster pumps may be placed into service prior to submitting all of the items if a professional engineer (PE) responsible for the entire water system has been identified to the Director and has received items 1 through 4 below. *[In this case, a public water system will submit all items needed to obtain an Operating Permit for each distribution system project after the new water lines have been placed into service as determined by the water system's designated PE.]*

- 1. Certification of Rule Conformance by a PE that all conditions of Plan Approval have been accomplished, and if applicable, changes made during construction were in conformance with rules R309-500 through 550
- 2. As-built or record drawings incorporating all changes to approved plans and specifications, unless no changes were made to the previously submitted and approved pre-construction drawings
- 3. Confirmation that as-built or record drawings have been received by the water system
- 4. Evidence that bacteriological samples have been collected to verify proper flushing and disinfection in accordance with the appropriate ANSI/AWWA Standards:
 - ANSI/AWWA C651-14 AWWA Standard for Disinfecting Water Mains
Two consecutive sample sets at least 16 hours apart, none positive (every 1200 feet, end-of-line, each branch, etc.)
 - ANSI/AWWA C652-11 AWWA Standard for Disinfection of Water-Storage Facilities
One or more samples, none positive
 - ANSI/AWWA C653-13 AWWA Standard for Disinfection of Water Treatment Plants
Two consecutive samples per unit, none positive, no less than 30 minutes apart
 - ANSI/AWWA C654-13 AWWA Standard for Disinfection of Wells
Two consecutive samples, none positive, no less than 30 minutes apart
- 5. Water quality data, where appropriate *[Guidance: Include appropriate raw and finished water data that demonstrate satisfactory performance of the new treatment facility. Storage tank water shall be analyzed for residual volatile organic compounds after tank interior painting or re-coating.]*
- 6. If applicable, all other documentation that may have been required during the plan review process
- 7. If applicable, confirmation that the water system owner has received the O&M manual for the new facility
- 8. If applicable, location data of new storage tank, treatment facility, or source