



CONSULTING ENGINEERS AND
SURVEYORS

12401 So 450 East, Unit C2
Draper, Utah 84020
(801) 571-9414
Fax: (801) 571-9449

www.gilsonengineering.com

June 8, 2022

Roy Watts
General Manager
Powder Mountain Water and Sewer Improvement District
298 24th St Ste 150
Ogden, UT 84401
rwatts@pmwsid.org

**RE: OVERLOOK PH3 AT POWDER MTN SITE CONSTRUCTION DRAWINGS, SITE
AND UTILITY PLAN – (REVISED PLANSET DATED 5/31/22); REVIEW**

Roy:

We have reviewed the referenced plan for the installation of the sanitary sewer system and the culinary water system.

1. Please provide copies of the water rights that have been transferred as part of this development
2. Please provide a letter from the geotechnical engineer substantiating a 7 ft bury depth as opposed to 9 ft.
3. Please provide an easement for all water and sewer lines in the open space or submit a copy of the legal description on the plat. The major infrastructure like water and sewer require a specific legal description in a 20 ft easement as per District requirements.
4. Please add a note to the plans that states 'any changes to the road grade or profile need to be approved by Powder Mountain, as this may affect the depth of cover over the waterline'.
5. Please show a note for the flags on the fire hydrants (when there is deep snow).
6. Please verify risers on the hydrants to make sure they are out of the ground far enough when there is deep snow.
7. Please add a detail for the blow off valves.
8. Are there air vacs on this phase?
9. Sheet 506 & 507 -Revise Keynote 9 Detail located on sheet 704 not 705 as called out.
10. Sheet 506 - Show Fire Hydrant in Plan View as called out in Profile STA 12+16.82
11. Sheet 506 & 507 - Add Keynote 15 to Fire Hydrant Tee Locations
12. Sheet 506 - Revise Location of Fire Hydrant at Sta 13+59.68 to West Property line of Lot 47. Add 8" Gate Valve to West leg of 8" Main at new hydrant location Tee.
13. Sheet 506 -Connect to Existing callout in profile at STA 12+16.82 does not appear to match plan view location Approximate 11+33?

14. Sheet 506 -Appears SSMH Callout 14+13 Plan View states OR-F, should match Profile callout of OR-G?
15. Sheet 506 -Add SSMH name STA 14+67.07 OR-H and Keynote 20.
16. Sheet 506 -Add Keynote 41 to SS main between EXSSMH and OR-B, OR-G and OR-H, OR-C and OR-D
17. Sheet 506 -Verify SSMH OR-C and OR-D(Plan View) names. Profile labeled as "OD"-C and "OD"-D
18. Sheet 506 -Add Keynote 18 for 45 degree bends to note Thrust Blocking requirements.
19. Sheet 507 -Add Keynote 38 to Water main outside of roadway to Overlook Drive connection
20. Sheet 506 -It appears SSMH OR-C does not meet 10' horizontal clearance from existing 8" water main running South West. Suggest removal of OR-C MH, and adjust OR-B and OR-C Manholes to provide a straight pipe between. If Horizontal distance to 8" water main parallel (COBABE COURT) cannot be achieved per Typical Section of COBABE COURT, the SS Pipe shall be noted as C-900 Water Quality, instead of PVC for this section.
21. Add Note: no construction water shall be taken from the existing water system, water shall be taken from the Hidden Lake Pond.
22. Add note: All flushing shall be overseen by PMWSID and provide 48 hours notice.
23. Add note: All work on water and sewer infrastructure requires inspection by PMWSID and 48 hours notice shall be given before work commences.
24. Contractor shall have a bond with the district and insurance certificate listing Gilson Engineering and PMWSID as additionally insured.
25. Submit as-built drawings in CADD and GIS format at the end of construction. Include updates to the water model as well.
26. Update stamp to reference date of revision.

Thank you for your coordination. Please feel free to call me with any questions.

Sincerely,

Brad Gilson, P.E.
Principal Engineer