



Russell Planning and Engineering, Inc.
934 Main Ave. Unit C
Durango, CO 81301

January 11, 2017

Mr. Mark Fratrack
Village Administrator
Village of Taos Ski Valley
7 Firehouse Rd.
Taos Ski Valley, NM 87525

RE: Comparison of water and sewer utility lines installed in 2015 – 2016 vs. the VTSV Water and Sewer Master Plans.

Dear Mark,

We have reviewed the original TSV Water and Sewer Master Plans prepared by McLaughlin Water Engineers on 1/24/2011, Inc and confirm the water and sewer lines installed by TSV, Inc follow the corresponding master plans in terms of both location and sizing. Please see the attached mark-ups of those master plans from my meeting with Don Schieber on 1/8/2014 to go over the proposed improvements.

Water

The new water line installed by TSVi (reference dark blue line in the attached Water Master Plan mark-up) is a combination of 8-in and 10-in diameter, ductile iron pipe (d.i.p.), mechanically restrained at every joint. The water line installed is sized and located according to the Water Master Plan, with an alteration agreed to by Drew Chandler and Don Schieber on 1/8/2014. This change involves the routing of the water line further along the north side of the building to Sutton Place rather than beneath the new hotel garage (shown highlighted in yellow). The removal of the 6-in (C-900 and d.i.p.) pipe from under former "Pagoda" building was also called for in the Water Master Plan.

Sewer

The new sewer line installed by TSVi (reference dark green line in the attached Sewer Master Plan mark-up) is a combination of 8-in and 12-in diameter DR-11 High Density Polyethylene (HDPE) pipe with fusion-welded joints as required by Don Schieber. Due to the wall thickness of the DR-11 pipe, a 12" size was selected to ensure that the resulting 10" inner diameter was maintained to meet the size requirements of the Sewer Master Plan. The new sewer line installed between the hotel and the river replaces an existing 10 inch PVC pipe that had historically been prone to obstruction due to a sag in the vertical

alignment. The three manholes installed in the corridor have locking manhole covers, water-proofing ad-mixture added to the concrete barrel sections, barrel gaskets and barrel joint water-proofing wrap.

Sincerely,
Russell Planning and Engineering, Inc.

A handwritten signature in blue ink, appearing to read 'Drew Chandler', with a stylized, cursive script.

Drew Chandler, PE
Engineering Manager

Attachment 1 – Water and Sewer Master Plans with comments from Don Schieber and Drew Chandler1/18/2014, marked-up to show water and sewer lines installed in 2015 and 2016.



