APPENDIX 1-A
VILLAGE OF TAOS SKI VALLEY
MATERIAL AND INSTALLATION SPECIFICATIONS /SERVICE LINES

WATER SERVICE LINE STANDARDS;

1. Specifications
    a. **Water service lines** shall be constructed with Type K copper up to two inches (2") in diameter. Connections are to be compression couplings. Type "K" copper service lines shall be inspected to ensure that they are free of all kinks, indentations, and or damage. Copper service lines should be continuous (without couplings) from the main to the building where possible.
    b. **Water service lines over 2 inches** (2") shall be constructed of ductile iron.
    c. **Water service lines four inches** or larger shall be connected at the main with Class 52 Ductile Iron Pipe (DIP) with C-153 DIP fittings with main line tee and gate valve to used as the main line tap. Village public works staff or authorized agent shall install all connections that require physical disruption of the Village main water line. Excavation is not allowed between November 1 and April 15 without written approval from the Village. Upon approval by the Village such work during the time period above shall utilize a heated excavation area to protect the main line from freezing.
    d. **Meter sizes and types** for all applications shall be determined by the Village. All water meters shall have a Meter Transceiver Unit (MXU) for automated radio-meter reading. Water meters shall be purchased by the owner as specified by the Village. Meters shall be installed in a mechanical room and protected from freezing.
    e. **Pressure reducing valves (PRV)** shall be installed in all service lines upstream of the water meter, ensuring that the water meter and the building plumbing system, including any fire sprinkler system, are protected from fluctuating water main pressures (pressure setting not to exceed 100 psi). A shutoff valve is required prior to the PRV and after the water meter to facilitate future repair.

f. **Corporation Stops** shall be all brass Mueller 300 B-25008 or B25028, C800, McDonald Number 4701 BT, or Ford IPS/ comp-FB1100G. Note: Iron Pipe size thread required.
g. **Saddles** shall be Ductile Iron Mueller DE2A, JCM-402, Smith & Blair 313, Ford F202, McDonald 3825, 3826 or equal and approved by the Village. The saddle must have a double flat strap design with ductile iron body. Said saddle must conform to AWWA C-800.
h. Stop and waste type valves are permitted with the installation of an approved backflow prevention device. When closed, this type valve prevents groundwater contamination of the service line.

2. Bedding and backfill
   a. **Water service bedding** material shall consist of 3/8-inch or 3/4-inch screened rock material. Bedding shall be six inches below and above the pipe.
   b. **Depth of cover** shall not be less than seven feet (7') and shall have two inches of foam board insulation (Dow blue board or equivalent) placed above the pipe bedding zone with select fill above to protect the insulation.
   c. **Rocks** greater than one foot diameter shall not be placed in any excavated service line trench.
   d. **Re-vegetation** and restoration shall also be accomplished immediately after backfill.

SEWER SERVICE LINE STANDARDS

1. Specifications
   a. **Sewer service lines** shall be a minimum of four inches (4") with a minimum wall thickness meeting the SDR-26 thickness with preformed watertight joints with rubber gaskets. C-900 water pipe can also be used for sewer service lines. HDPE (high density polyethylene) can also be substituted for sewer service lines and is required when a ten foot horizontal separation between water and sewer cannot be attained. In the event that HDPE pipe is used, all pipes will be fusion welded (no couplings) in order to achieve maximum water tightness.

b. **Floor drains** in industrial areas and garage drains will not be connected to the sanitary sewer without written permission from the Village.
c. **The connection** of the sewer service line to the main interceptor and will be at the customer's expense and shall be installed by Village personnel or authorized agent. Eight inch lines shall be installed in an existing manhole or installed in a new manhole created at customer's expense.

2. Bedding and backfill

b. **Sewer service bedding** material shall consist of 3/8-inch or 3/4-inch screened rock material. Bedding shall be six inches below and above the pipe.
e. **Depth of cover** shall not be less than five feet 6 inches (5'6") and shall have two inches of foam board insulation (Dow blue board or equivalent) placed above the pipe bedding zone with select fill above to protect the insulation.
f. **Rocks** greater than one foot diameter shall not be placed in any excavated service line trench.
g. **Re-vegetation** and restoration shall also be accomplished immediately after backfill.

3. Grease traps

A grease trap is required for all restaurants. The grease trap shall be sized in accordance with all applicable plumbing codes as adopted by the jurisdiction. Grease traps shall be maintained by the customer on a regularly scheduled basis to ensure proper maintenance is being performed. Chemicals that have an adverse effect on the Village sewer system are prohibited from use for dissolving grease.

If the Village determines that the sewage contains grease having an adverse impact on the sewer system, the customer will be required to install a larger grease trap within 90 days from official notification.

Failure to comply with the provisions outlined herein may result in the Village performing the cleaning of the grease trap with all costs billed to the customer and/or lien filed on the property and may also result in disconnection of water service.