## ADMINISTRATIVE POLICY ENGINEERING DIVISION PUBLIC WORKS DEPARTMENT CITY OF RAPID CITY

No. PW051104-11

SUBJECT: Utility Permit for Trenchless Sewer Construction and

In-Place Pipeline Reconstruction

AUTHORITY: Municipal Code 13.08.080 and 13.08.110

PURPOSE: Establish policy for use of trenchless methods

BY: Dan Coon, Acting Engineering Division Manager

APPROVED: Theodore J. Vore, Acting Public Works Director

DATE:

(Rapid City Council adopted this policy on this referenced date.)

The City of Rapid City will consider trenchless methods for the replacement or in-place pipeline reconstruction of sanitary sewer services on a case-by-case basis under these circumstances:

- 1. In the case where a significant disruption to the traveling public would occur as a result of service installation by conventional open-cut methods.
- 2. Where because of physical constraints a trenchless installation is a more reasonable approach.

Note: The cost of installation does not necessarily constitute a basis for a more reasonable approach.

The City is not required to permit trenchless sewer service installation and each request will be evaluated on a case-by-case basis.

General criteria for trenchless sewer service installation:

- 1. Sewer service construction or reconstruction can be proposed using the following methods:
  - A. Pipe bursting or similar;
  - B. Directional boring; or
  - C. Cured in-place pipe (CIPP)
- 2. Utility Maintenance personnel shall perform all taps the same as open cut installation and shall be allowed to inspect the sewer service installation.
- After installation, the contractor shall introduce water to the sewer service and camera it to verify that there are no sags. The contractor shall provide a videotape of the service camera inspection to Utility Maintenance for review and approval.
- 4. If sags exist in the constructed or reconstructed service line, then the Contractor shall make repairs by open cutting the area and adjusting the service line to an acceptable grade. After completing the repairs, the contractor shall again introduce water and camera the service line. The camera inspection and repair

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> procedures, as outlined, shall be repeated until the sewer service meets the approval of Utility Maintenance.

- All sags in the constructed or reconstructed sewer service shall be repaired 5. regardless of their origin.
- Both the Contractor and Owner must agree in writing with the above terms prior 6. to the City permitting a proposed trenchless sewer service installation.

Materials proposed for trenchless sanitary sewer service:

7.

	Pipe: _					
	Joints: _	(Attach product specifications as is needed.) Joints:				
	Other: _	(Attach product specifications as is needed.)				
		(Attach pro	oduct spe	ecifications as is needed.)		
8.	Address of property proposing to construct a trenchless sanitary sewer service:					
9.	All requests for trenchless sanitary sewer service construction shall be made to Utility Maintenance and if Utility Maintenance is agreeable with the proposed construction method, they will indicate so by signing below. Both the owner and contractor shall indicate their acceptance of the provisions outlined herein by signature and shall submit the original to Engineering for concurrence by the Public Works Director.					
				Chip Petrik Utility Maintenance Supervisor	Date	
and agre	ead the above to adhere blicy by signi	to the provisions	ing Trer s contair	nchless Sanitary Sewer Service ned therein and acknowledge my	Construction acceptance	
Property Owner (please print)				Property Owner (signature please)	Date	
Contractor (please print)			Contractor (signature please)	Date		
Stacey Titus, PE Date Utility Project Manager			te	Theodore J. Vore, PE/LS Acting Public Works Director	Date	