Sandy
PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS

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Public Works Department Policy for Restoring Utilities Pot-Holes

Purpose:

To provide supplemental guidance to the Excavation Permit Ordinance and establish a standardized procedure for the restoration of the roadway after excavation for the purpose of Subsurface Utility Exploration (SUE) and location - better known as "Pot-holing."

Background:

In the course of conducting SUE work, the determination of the exact location of a given underground utility may require exposing it. This excavation process is referred to as "pot-holing." Methods of pot-holing include but are not limited to hand digging and the use of excavation equipment, to include backhoes and vacuum/suction trucks. The result is typically a deep narrow hole somewhere in the Public Right-of-Way that will need to be restored.

Policy Guidelines:

The restoration of a pot-hole can be challenging. The following policy guidelines are provided to standardize the restoration of such pot-holes in Sandy City Right-of-Way.

A. Landscaped areas: If excavation takes place behind the curb in a landscaped area, the hole will be backfilled in one-foot lifts and compacted to 85%. Sod or other plant material will be replaced as needed.

B. Curb & gutter, sidewalk, and concrete park-strips: If excavation takes place in a concrete surfaced area such as curb & gutter, sidewalk or park-strip, backfill will be in one-foot lifts compacted to 96%. Curb & gutter, sidewalk, and concrete park-strip whole sections will be replaced as directed by the Public Works Inspector in compliance with Sandy City Standard Specifications and Details. No partial section replacement will be allowed.

C. Asphalt roadway: If the excavation takes place in an asphalt roadway, the pot-hole will be filled with flowable fill (see Section 02230, Sandy City Standard Specifications and Details) to the bottom of the asphalt patch such that the asphalt patch thickness will be one inch more than the existing roadway for a minimum of four inches and but not more than six inches thick. (A six inch lift of clean sand will be placed above the utility before placing flowable fill). Prior to installing the asphalt patch, the hole will be saw cut to a minimum 18 inch square opening to prevent edge curl/collapse of the existing asphalt.

D. Concrete roadway: If the excavation takes place in a concrete roadway, the pot-hole

will be filled with flowable fill (see Section 02230, Sandy City Standard Specifications and Details) to the bottom of the concrete paving section. (A six inch lift of clean sand will be placed above the utility before placing flowable fill). Prior to installing the concrete patch, the hole will be cored to a minimum 8 inch diameter if not cored as part of initial pot-hole. After curing, re-saw core to T/3 and seal (see Section 03250, Sandy City Standard Specifications and Details).

Note: To minimize the time steel plates are needed, a high-early flowable fill mix design yielding a short cure time is encouraged. Winter pot-holing will be controlled through the permit process so as to preclude steel plates in the roadway during snowstorms.

Approved: _____ Date: 1-6-2016