

POTHOLING PROCEDURE

Potholing shall be used as a means for the accurate vertical location of utilities. The City of Rio Rancho (City) allows air (vacuum) and water (jetting) methods. Table 1 below outlines the basic steps for potholing.

Consult the City before using water methods. If the City agrees to its use, ensure water jetting is mentioned on the permit application, and show the pothole locations on a drawing. Before pavement condition photos at each pothole location must be submitted with the permit application. The Contractor shall provide after photos of the fully restored potholes.

The photos provide documentation that the restoration was completed and shows the condition of repair. All photos must have a date and timestamp, and must be taken from the same angle and distance for the before and after conditions. They must be far enough away, but not too far, to provide perspective for the location (i.e. not right next to the pothole). The photos shall be sent to the City in a *.jpg or *.pdf format.

If the potholes begin to settle, the Contractor will be responsible to repair them at their expense for a year from the date the potholing was completed.

The use of round cores for potholes within the pavement structure is required. The maximum size of a pothole is 12” in diameter in the wheel paths and 16” in diameter outside the wheel paths. Beyond the pavement structure, the pothole size may be larger (18”–24”) and square upon the City’s approval.

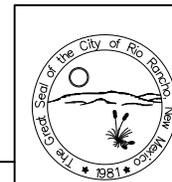
GENERAL NOTES:

1. ANY DEVIATIONS FROM THESE STANDARDS SHALL BE SUBMITTED TO THE CITY FOR PRIOR APPROVAL.
2. ALL WORK IN PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BY A LICENSED CONTRACTOR AND REQUIRES PERMIT AND APPROVAL BY THE CITY.
3. IF THE CONTRACTOR FAILS TO FOLLOW THIS PROCEDURE, A FINE WILL BE ASSESSED IN ACCORDANCE WITH MUNICIPAL CODE 96.08 – FEES.
4. IN ACCORDANCE WITH MUNICIPAL CODE, 96.03 – REQUIREMENTS, SECTION I, NO ROADS NEWER THAN 5 YEARS MAY BE CUT. THE CITY MANAGER MAY PROVIDE A VARIANCE IF REQUESTED.

Table 1: Potholing Steps

1	Saw cut pavement full-depth with a bit 12” to 16” in diameter resulting in a “core.”
2	Remove core and reuse later if structurally sound. Structurally sound means no spalling, significant chipping, or segregation of the mix.
3	Place a protective steel ring to protect the edge of the opening from damage.
4	Use vacuum equipment to excavate compacted material from the bottom of base course to beneath the utility facility.
5	Perform utility work (e.g., watch bore head, leak repair, service connection).
6	Protect utility facility with fine material.
7	Place flowable fill material (City Spec 515) from the top of the fine material to bottom of the base course. Flowable fill shall be traffic-bearing in ~90 minutes.
8	Place non-shrink grout (City Spec 530). Grout shall be traffic-bearing in ~90 minutes.
9	Place the removed core (or a generic equivalent replacement core) in the opening (original alignment and orientation is maintained if removed core is used) forcing the grout to the surface to fill the annular space and core extraction hole.
10	Seal the restored opening.

DATE MODIFIED:



**City of Rio Rancho
Department of Public Works**

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DWG. NO. PP-01

AUG 10, 2020