

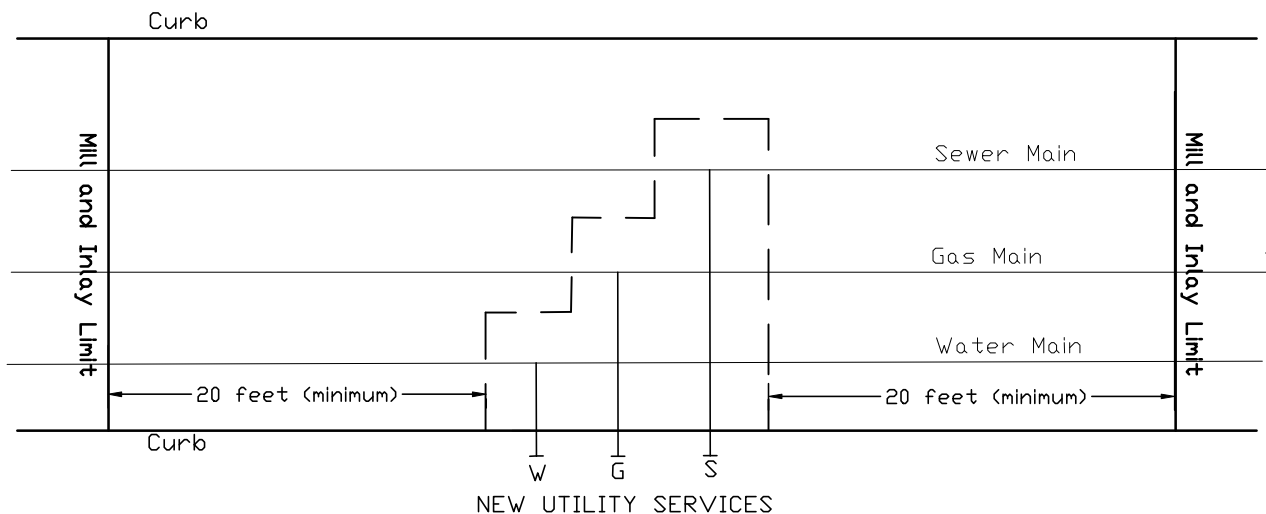
D-18a Trench Repair

5 Years Old or Newer

(not to scale)

Procedures for Trench Repairs on Streets Five Years Old or Newer

1. An excavation permit must be submitted for any work being performed in streets, sidewalks, or the City of Laconia right-of-way. The City Engineer or designee shall be notified 24 hours before final paving for inspection and receive a copy of all asphalt slips for that job.
2. Pavement shall be saw cut along the trench line. Any undermined areas that inadvertently develop shall have the projecting pavement saw cut and removed.
3. Trench backfill shall be compacted in twelve (12) inch lifts according to the Regulations for Excavation.
4. A temporary match in kind three quarter (3/4) inch Type B Hot Bituminous patch shall be laid in two (2) inch lifts compacted.
5. The patch shall be allowed to settle for a minimum of 60 days (or time determined by the Director of Public Works or designee).
6. After suitable exposure to traffic exposure to traffic compaction as determined by the Director of Public Works or designee, the pavement shall be cold planed at a depth of one and one half (1 1/2) inch for minimum area of twenty (20) feet to each side of the original trench cuts. Final pavement top shall be one and one half (1 1/2) inches with a three eighths (3/8) inches super pave top asphalt mix that meets City of Laconia Standard pavement specifications and NH DDT 2016 Specifications for Road and Bridge Construction section 403 unless otherwise directed by the city engineer.
7. An approved bituminous material (tackifier) shall be applied to all vertical and horizontal joint contact surfaces with an approved truck mounted 1000-gallon tank (minimum) with an applicator able to control operations from inside the vehicle. Operations include a tackifier application rate independent of vehicle speed with a remote-controlled hinged spray distributor, or as otherwise approved.
8. Paveprep joint tape (12 inch) shall be placed over the trench joint. Care must be taken to identify and offset the location of the joint before cold planing. Once final restoration is completed the new joint will be cracked sealed.
9. The milled area shall be paved with three eighths (3/8) inch hot bituminous that meets the NHDDT 2016 Specification for Road and Bridge Construction section 401. The City Engineer or designee shall be notified 24 hours before final paving for inspection and receive a copy of all asphalt slips.



Department of Public Works

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NOTE: THESE STANDARDS ARE TO BE CONSIDERED AS MINIMUM REQUIREMENTS. ANY DEVIATION FROM THESE STANDARDS WILL REQUIRE THE LACONIA DEPT. OF PUBLIC WORKS APPROVAL.