



MEMORANDUM

TO: Board of Building Appeals (BOBA) Members

FROM: William J. Heniff, AICP, Director of Community Development *WJH*

MEETING DATE: January 31, 2018

SUBJECT: **Public Street Patching Standards**

During the 2017 construction season, the Village received a number of service requests due to utility cut restoration in streets. These concerns included:

- Loose stone spreading out across the right of way and onto neighboring driveways
- The length of time taken to either cold patch or fully restore the street with a hard surface
- Damage and insurance claims to private vehicles as a result of divots and settlement after rainfall events and significant traffic movements through the disturbed area

To help ensure that this matter is addressed for future events, the Community Development and Public Works staff reviewed current policies throughout the calendar year. Additionally, Community Development staff surveyed the policies of surrounding municipalities and found that of the 7 communities that responded, 5 of them require cold patch at a minimum in the winter months or if the permanent patch is not immediately poured. The attached table shows the survey responses.

Through this analysis and to address the citizen complaints, the following language will be added to trench details for restoration in the 2018 Specification update:

“Street openings shall be restored with cold patch before the end of the day and maintained until such time as the permanent pavement patch (concrete or hot mix asphalt, depending on the street) can be installed between April 15th and November 15th.”

ACTION REQUESTED

As this is a modification to the Specification Manual, this item is being shared with the Board of Building Appeals for discussion and informational purposes only.

SURVEY OF NEIGHBORING COMMUNITIES RELATIVE TO PATCHING REQUIREMENTS

Addison

Cold patch required; cannot leave stone uncovered because it interferes with plows. Patch to be completed within 48 hours. Contractor is responsible for maintaining cold patch for remainder of season. Will occasionally allow contractor to leave stone on an active construction site in summer if contractor on hand to clear stone from street as it gets moved around.

Downers Grove

Roadway must be patched ASAP. Winter requires a temporary patch. Applies to all roadway and construction types.

Elmhurst

Asphalt: Contractor fills with gravel, City patches (\$766 fee collected from contractor).

Concrete: Contractor fills and patches. If in winter, no cold patch required but city collects a \$10,000 deposit, which is refunded once patch is poured in spring. Patches for cuts made in winter required to be poured by April 1. Contractor to maintain gravel until patch is poured, though the city sometimes ends up doing some of this maintenance. If cut is made in summer, fill and patch required immediately.

Glen Ellyn

Cold patch required. Cannot leave roadway open. Immediate patching is ideal. If village inspectors have commitment from contractor, they may permit a delay of a couple of days before patch is installed.

Naperville

Roadway must be patched immediately, cannot be left open. A cold patch is required if permanent patch not immediately poured.

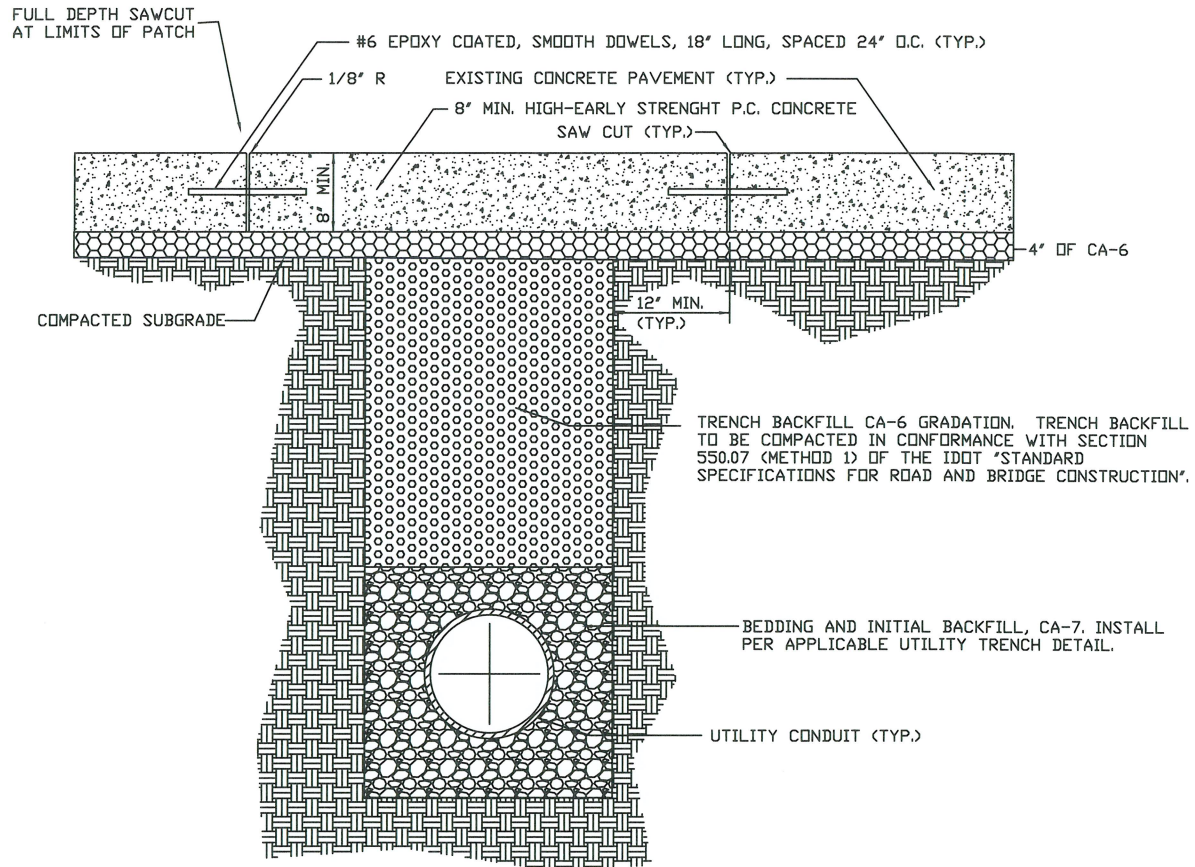
Oakbrook Terrace

Cold patch required in winter months.

Villa Park

Contractor puts down stone, not required to cold patch. Village collects \$500 bond from contractor and does the permanent patching (village does not cold patch). Time between contractor putting down stone and village patching can be up to a couple of months, as village waits until there are multiple patches to complete at one time. Contractor responsible for maintaining the stone up to the point the village patches, though village often ends up maintaining these if they receive calls on holidays or weekends.

SAMPLE



GENERAL NOTES:

1. PAVEMENT SHALL NOT BE OPENED WITHOUT FIRST RECEIVING A PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS.
2. THE TRENCH SHALL BE BACKFILLED WITH AGGREGATE (CA-6 GRADATION) AND COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY. TRENCH SPOIL OR EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT THEIR EXPENSE.
3. PRIOR TO THE PLACING OF P.C. CONCRETE, THE EXPOSED EDGES OF ALL EXISTING PAVEMENT SHALL BE SAWCUT FULL DEPTH TO PROVIDE A SMOOTH, CLEAN VERTICAL EDGE, FREE OF LOOSE MATERIAL
4. EXCAVATIONS SHALL BE PROTECTED BY BARRICADES WITH FLASHING LIGHTS, AT LOCATIONS WHERE ADJUSTMENTS ARE LOCATED IN TRAVEL LANES, A ONE-INCH (1") STEEL PLATE SHALL BE PLACED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SURFACE RESTORATION IS COMPLETE. THE PLATE SHALL BE PROTECTED FROM SLIDING AND TRANSITIONED WITH BITUMINOUS RAMPS AS REQUIRED. BARRICADES AND STEEL PLATES SHALL BE PRESENT AT THE WORK SITE PRIOR TO THE ROAD OPENING.
5. MINIMUM WIDTH OF A CONCRETE PATCH SHALL BE FULL CONCRETE PANELS.
6. DOWEL BASKETS ARE REQUIRED FOR MULTIPLE PANELS.
7. STREET OPENINGS SHALL BE RESTORED WITH COLD PATCH BEFORE THE END OF THE DAY AND MAINTAINED UNTIL SUCH TIME AS THE PERMANENT PATCH (CONCRETE OR HOT MIX ASPHALT, DEPENDING ON THE STREET) CAN BE INSTALLED PER SPECIFICATIONS BETWEEN APRIL 15 AND NOVEMBER 15.

REV.:	JKB	REV:	1-23-18
REV.:	DRG	REV:	4-18-17
REV.:	DRG	REV:	5-5-15
DRAWN BY:	VJGL	DATE:	2-16-98

RIGID PAVEMENT
UTILITY TRENCH

VILLAGE OF LOMBARD

PAVEMENT 10