



# CITY OF BENTONVILLE STREET CUT SPECIFICATIONS 2014



# Standards

## Purpose

The purpose of this document is to protect and improve City of Bentonville streets by providing clear, consistent pavement repair standards for street cuts. This document specifies the size, shape, quality and general materials required to repair street cuts. It is not intended as a complete guide to pavement structures or materials standards.

## Impact

Adoption of these standards will increase the initial repair costs for the City and private utilities and contractors. However, these standards are necessary to preserve the original investment of the streets within the City; this will save funds for the City in the long term and minimize the costs for the private sector by avoiding the costs to fix poor repairs.

## Applicability

These standards apply to anyone cutting and excavating City of Bentonville streets, regardless of the reason for the cut and excavation. The standards apply to private and public utilities and contractors as well as the City of Bentonville. These standards are not intended to supersede more substantial repair or resurfacing requirements on projects where specified repairs are shown on approved construction drawings or otherwise directed by the Transportation Engineer, City Engineer or Street Manager.

## General Requirements

Street cuts cause damage that reduces the level of service of the street on which they are made. To minimize this damage, and in some cases actually improve the street conditions where cuts are made, the City is adopting the backfill, patch and surface repair standards as described in the following sections. In general, the repair standard will be what is termed a “T-patch”, which includes minimum bench (or key) of 12 inches beyond the edges of the excavation. This 12-inch bench will define the width of the required surface repair (if applicable) measured parallel to the travel direction of the street. The length of the surface repair (if applicable) measured perpendicular to the street will be at a minimum the full width of a travel lane (from curb or edge of pavement to the crown or edge of travel lane). If the edge of the excavation crosses or is less than 2 feet from the crown or edge of travel lane, the surface repair must extend to the full width of the street or edge of the next travel lane. The cost of all repairs shall be borne by the party cutting the streets.

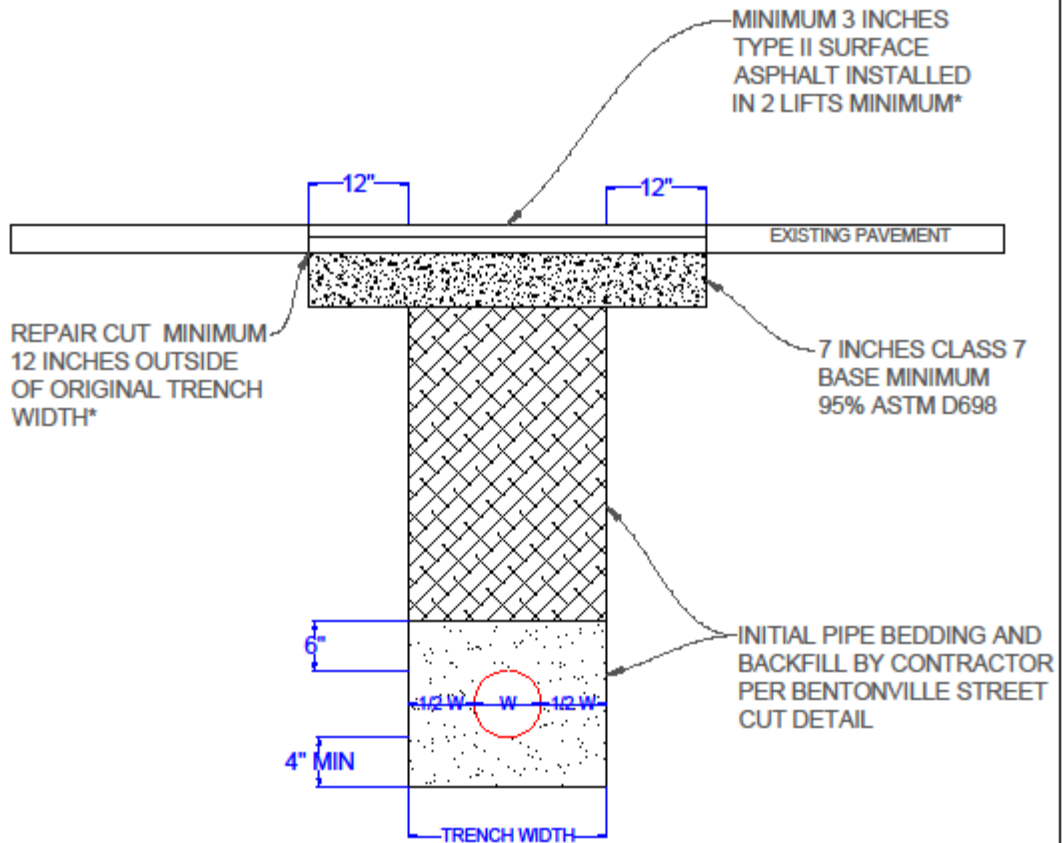
Resurfacing requirements could possibly be reduced or increased, at the Transportation Engineer, City Engineer or Street Manager’s discretion, in situations where extenuating circumstances exist such as pending resurfacing or road widening projects, safety and traffic flow issues, speed humps, adjacent pavement features or the condition of adjacent pavement.

# Procedures

- **NOTE:** Streets less than (5) five years of age from the most recent placement of overlay shall not be cut unless specific approval in writing is obtained from the Street Inspector or a Bentonville Transportation official.
- No street cut permit shall be issued without prior approval from the City Street Manager. A (24) twenty-four hour advanced notice is required by the Bentonville Street Department. Only after approval is received will a permit be issued. Permit cost is (\$15) fifteen dollars.
- A cashier's check must be posted with the City Street Department located at 501 SE 3rd, Bentonville, Arkansas 72712 before any street may be cut. The size of the street cut will determine bond amount.
- The contractor is responsible for all work zone signage. All work zones must meet MUTCD standards and be set in place before work begins. A traffic control plan must be submitted and approved by the City before any road closure is approved. A 24 hour notice will be needed before a road closure is allowed.
- No overnight opened street cuts are allowed unless approved by the City. If approved for the cut to be left opened overnight, the cut must be plated by the contractor and work zone marked with approved devices as noted in the MUTCD book for a night time closure.
- All street cuts shall be visibly marked, and must be saw-cut full depth on all sides to insure smooth straight edges before any excavations begin.
- The City Street Inspector must be notified before any base materials or back-fill is placed into the trench. No back-fill may be placed in an open trench without the presence of the Inspector. Normal working hours are from 7:30am to 4:00pm, Monday through Friday. Any party needing to make an emergency street cut after those hours must call (479) 531-8414 for the City Street Inspector. A \$30.00 per hour charge will be assessed to all after hour call outs or additional time that occurs after normal work hours in addition to the normal charges.
- Wet base (SB2) or flowable back-fill is required for all backfilling. Base material must be placed into trench in no more than 8 inch lifts, and each lift must be machine tamped to a minimum of 95% density. (No Wheel Rolling) Class 67 stone may be substituted with approval of the City Street Inspector on a case by case basis. Compaction requirements remain 70% density.
- A temporary patch of cold mix must be placed and compacted over the final lift of the back-fill to match the existing street grade (2 inch minimum)
- The width and length of the permanent patch will be measured and the individual making the cut will be billed at a rate of (\$72) Seventy two dollars per square yard for the permanent repair.
- The party making the cut shall be responsible for any settling of the street cut for a period of (90) ninety days from the date that the temporary patch is completed.
- The cashier's check shall be returned to the applicant only after the City has received payment in full for that repair.

# FINAL T-PATCH REPAIR

(TO BE COMPLETED BY BENTONVILLE STREET DEPARTMENT)



**\*NOTES**

1. SAW CUT SHALL BE FULL DEPTH OF EXISTING PAVEMENT SECTION.
2. TYPE II SURFACE ASPHALT LIFTS SHALL BE ADJUSTED ACCORDINGLY.



**STREET DEPARTMENT**

**T-PATCH REPAIR**

DWG FILE: TPATCH.DWG

ORIGINAL DATE: 02.10.2012

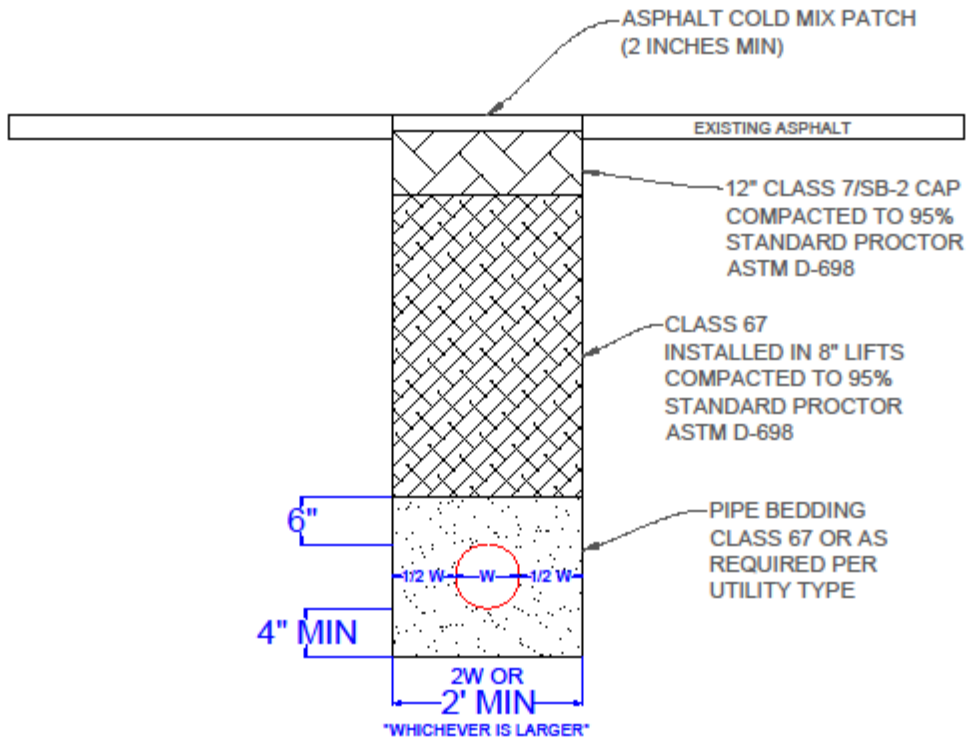
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SCALE: NOT TO SCALE

NAME: JDL

SHEET: 1 OF 1

# CLASS 67 BACKFILL (APPROVAL REQUIRED)



\*MINIMUM 3 FOOT WIDTH FOR  
WATER AND SEWER TRENCH\*



STREET DEPARTMENT

CLASS 67 STREET CUT REPAIR

DWG FILE CLASS67SCR.DWG

ORIGINAL DATE 01/20/2012

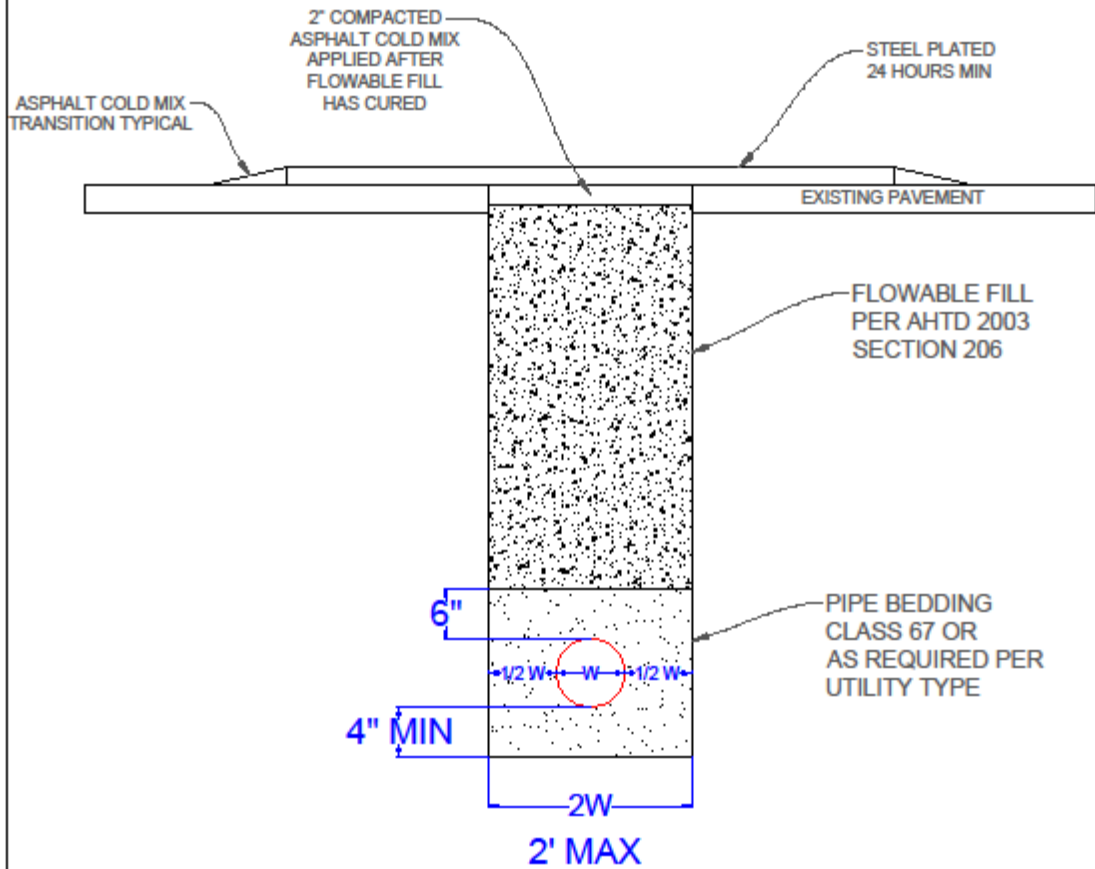
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NAME: JDL

SHEET: 1 OF 1

# FLOWABLE FILL (APPROVAL REQUIRED)



STREET DEPARTMENT

FLOWABLE FILL REPAIR

DWG FILE FLOWABLEFILLSR.DWG

ORIGINAL DATE 01/20/2012

REVISIONS 1

SCALE: NOT TO SCALE

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SHEET: 1 OF 1