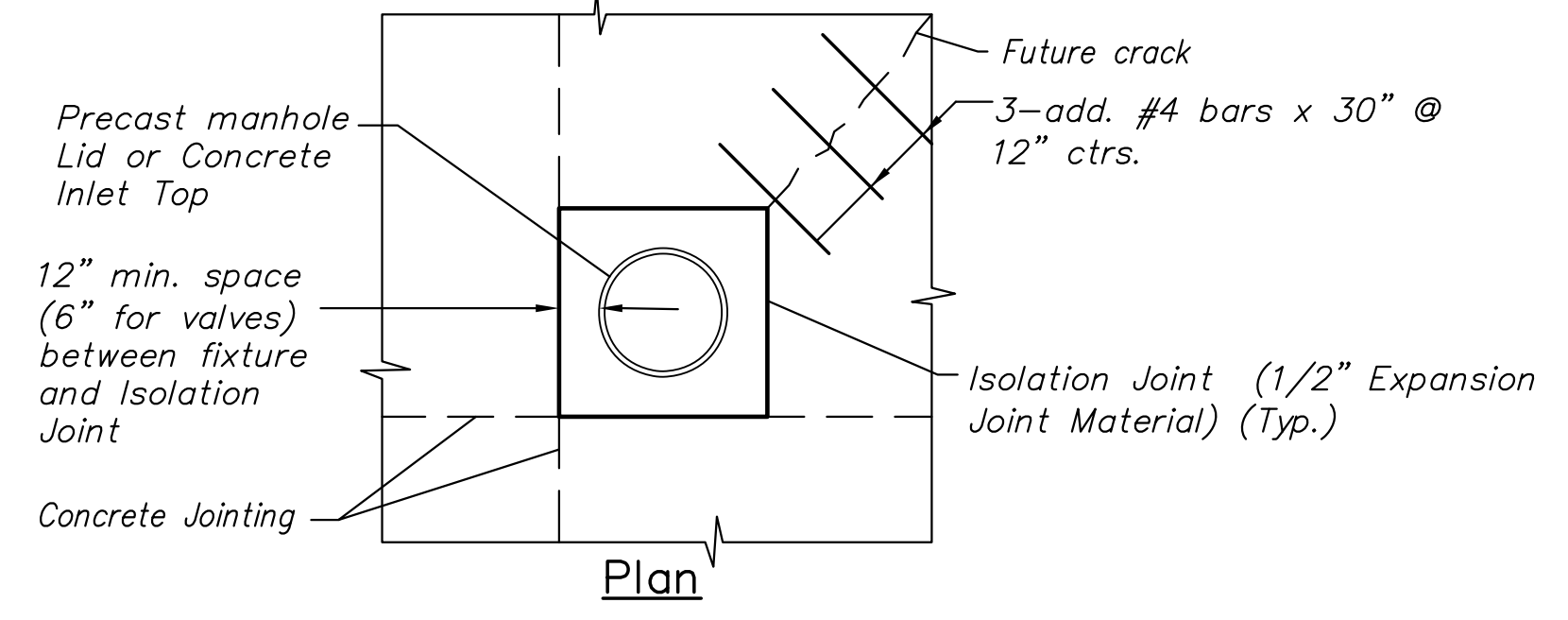
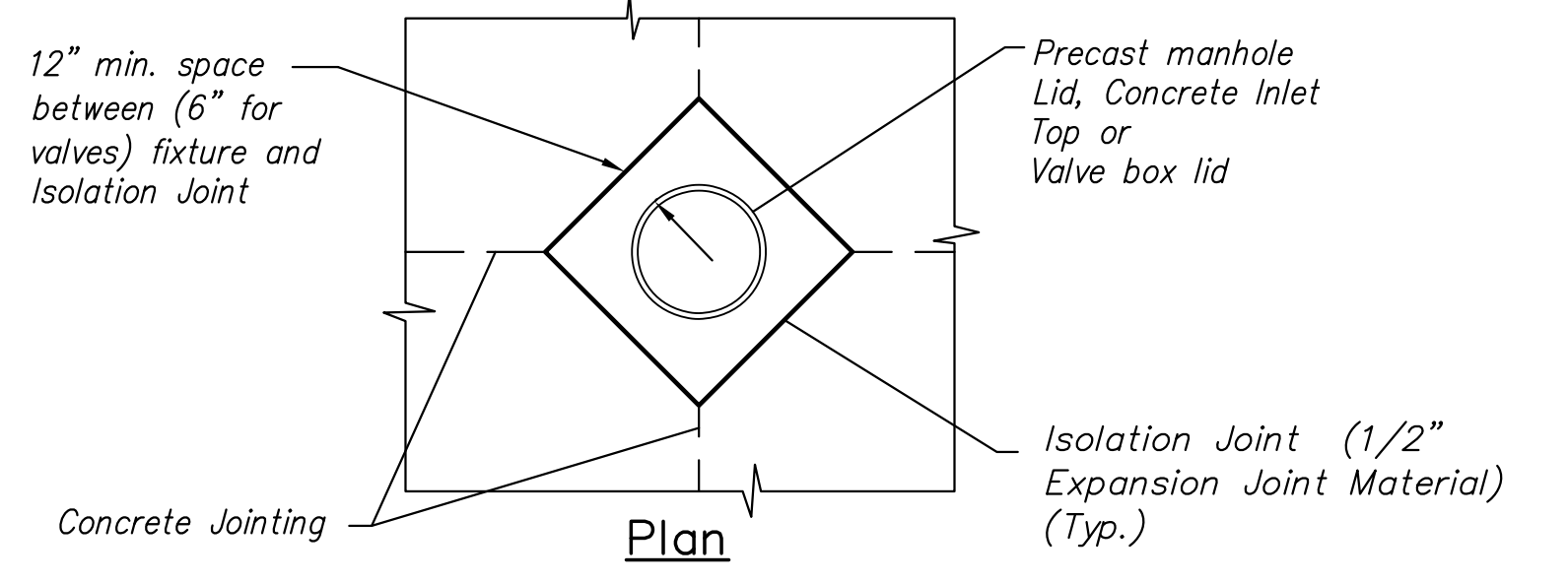
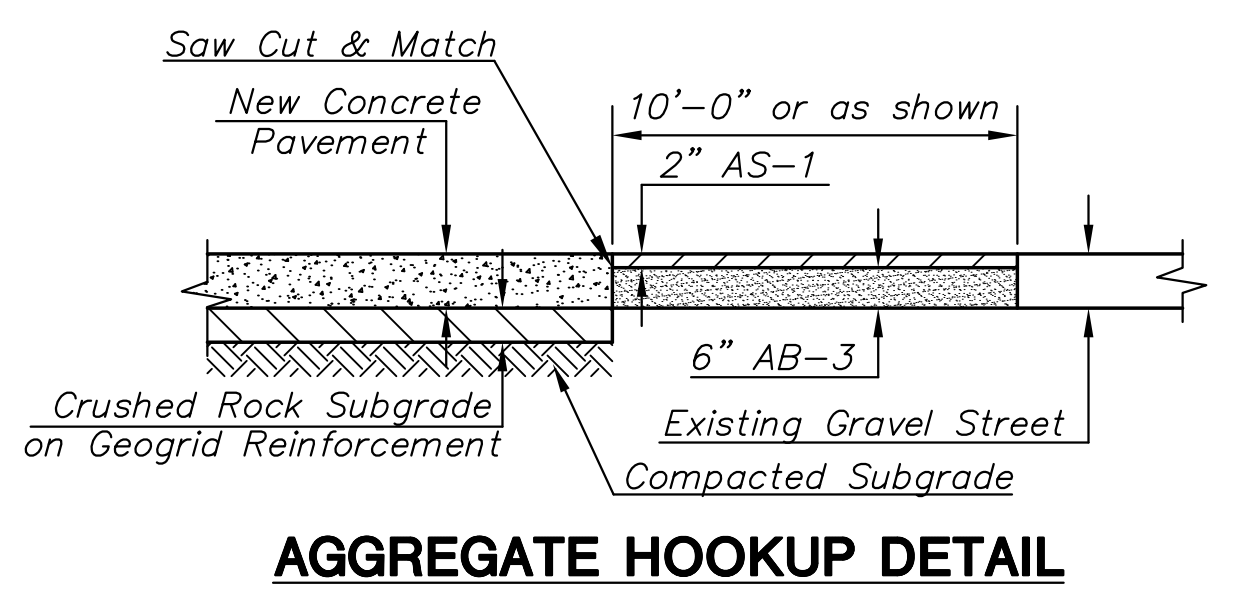


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0597-01	2016	83	191

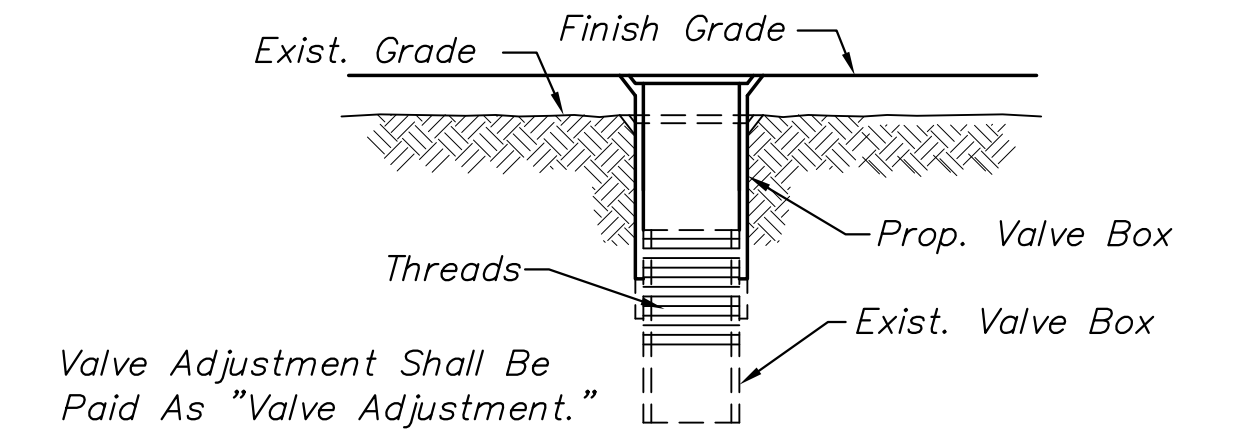


**TYPICAL UTILITY BOX-OUT DETAILS**

Note: Contractor shall construct box-outs around all surface utility fixtures, as shown, when fixtures fall on or near concrete joints, or as directed by the Engineer. All other fixtures shall have an isolation joint or bond breaker between them and concrete pavement. Cost shall be subsidiary.

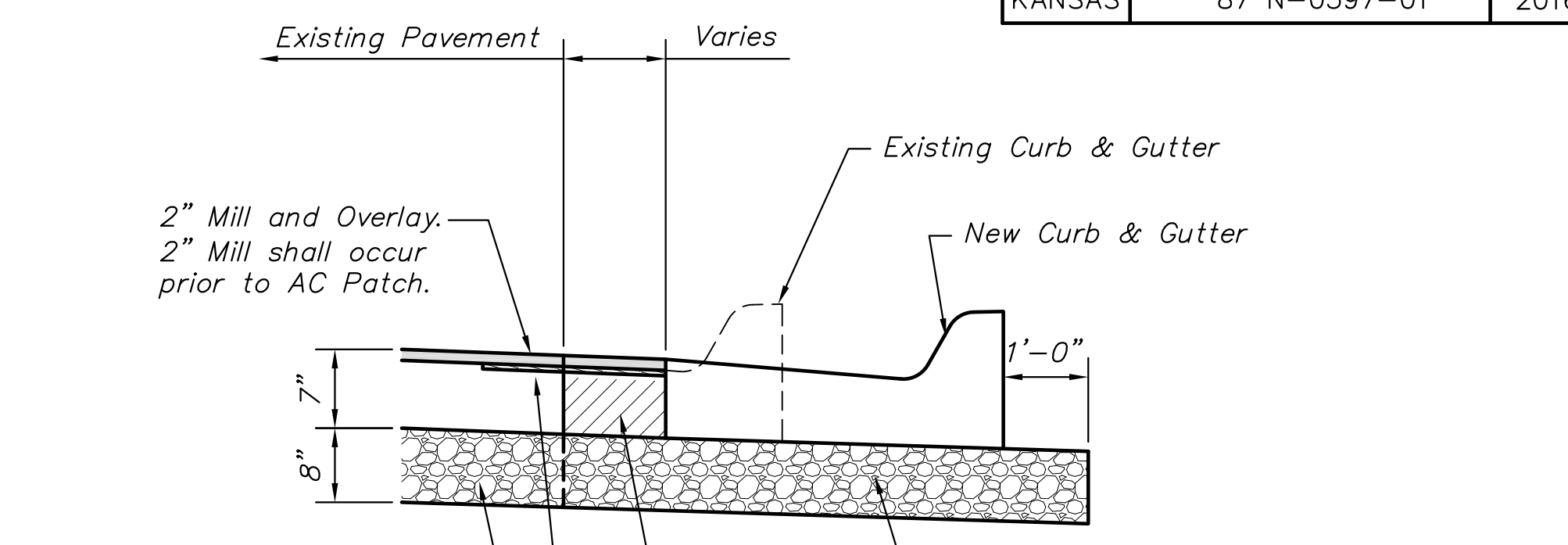


**AGGREGATE HOOKUP DETAIL**



**WATER VALVE BOX ADJUSTMENT DETAIL**

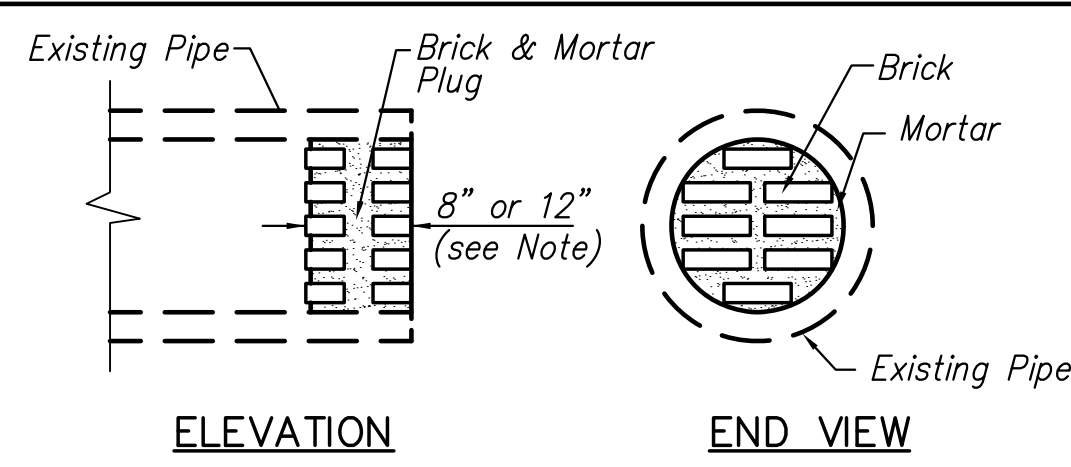
Valve Adjustment Shall Be Paid As "Valve Adjustment."



**ASPHALT WIDENING**

Install interlayer pavement reinforcement between base asphalt and surface course. (Glasgrid model GG8502 or approved equal) In general, the grid shall be 5' wide and centered over the joint to the extent possible.

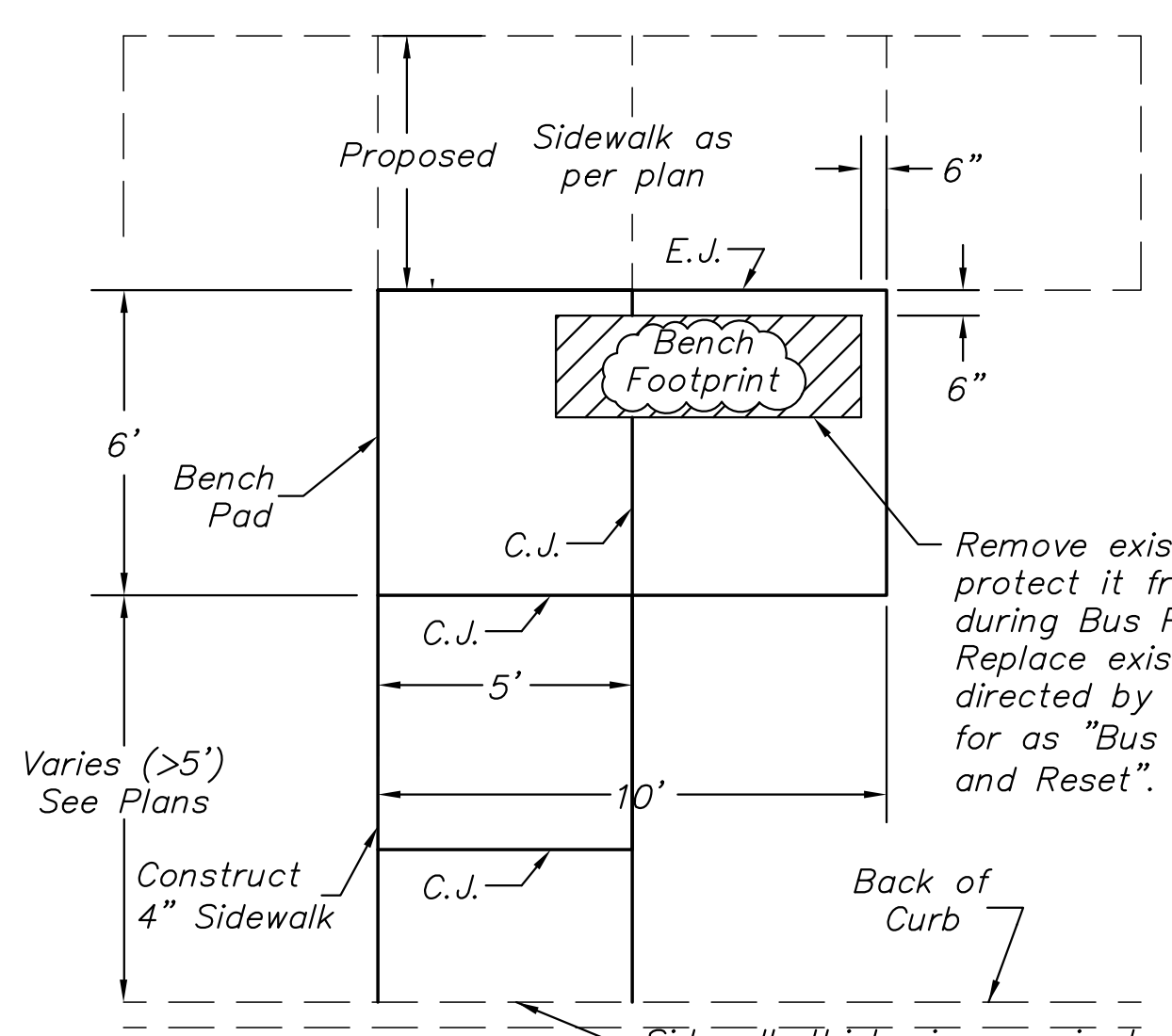
Extend 8" Reinf. Crushed Rock Base as shown, overlap existing geogrid with new geogrid 2' min. length. Base Rock will be measured from existing Pavement line and paid for separately.



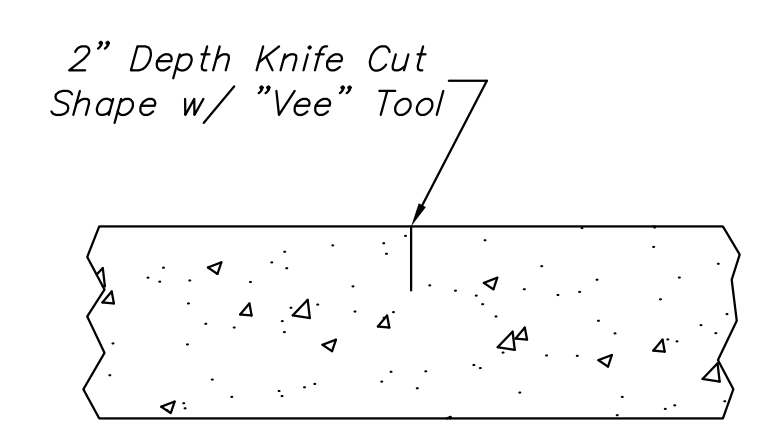
**PIPE PLUGGING DETAIL**

Note: Pipe Plugs Shall Be Constructed Of Brick Masonry, With Construction Requirements And Materials Conforming To The Same Requirements As Specified For A Masonry Construction In The Std. Specs. Pipes Having Diameters Of 18" Or Smaller Shall Be Plugged With 8" Thick Plug. Pipes Having Diameters Larger Than 18" Shall Be Plugged With 12" Thick Plug. The Construction Of Pipe Plugs Shall Not Be Paid For Directly, But Shall Be Considered Subsidiary To Pipe Installation.

The Contractor May Use Other Methods To Plug Existing Pipe If Approved By The Project Engineer.



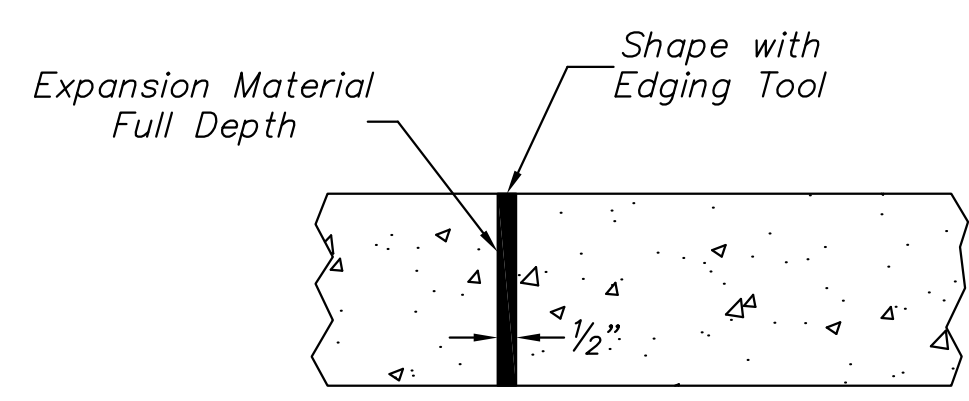
**BUS PAD**



**CONTRACTION JOINT (C.J.)**

No Sawn Joints Will Be Allowed

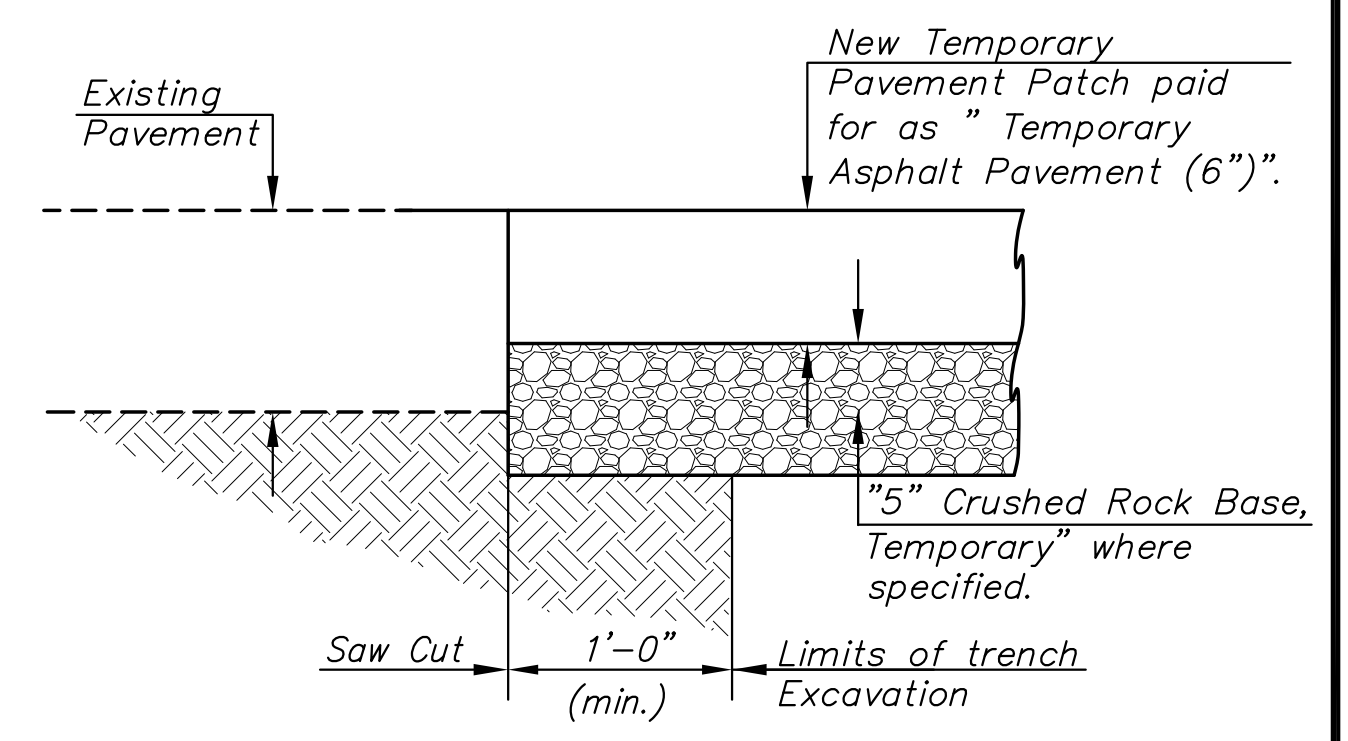
Remove existing bench and protect it from damage during Bus Pad construction. Replace existing bench when directed by the Engineer. Paid for as "Bus Bench, Remove and Reset".



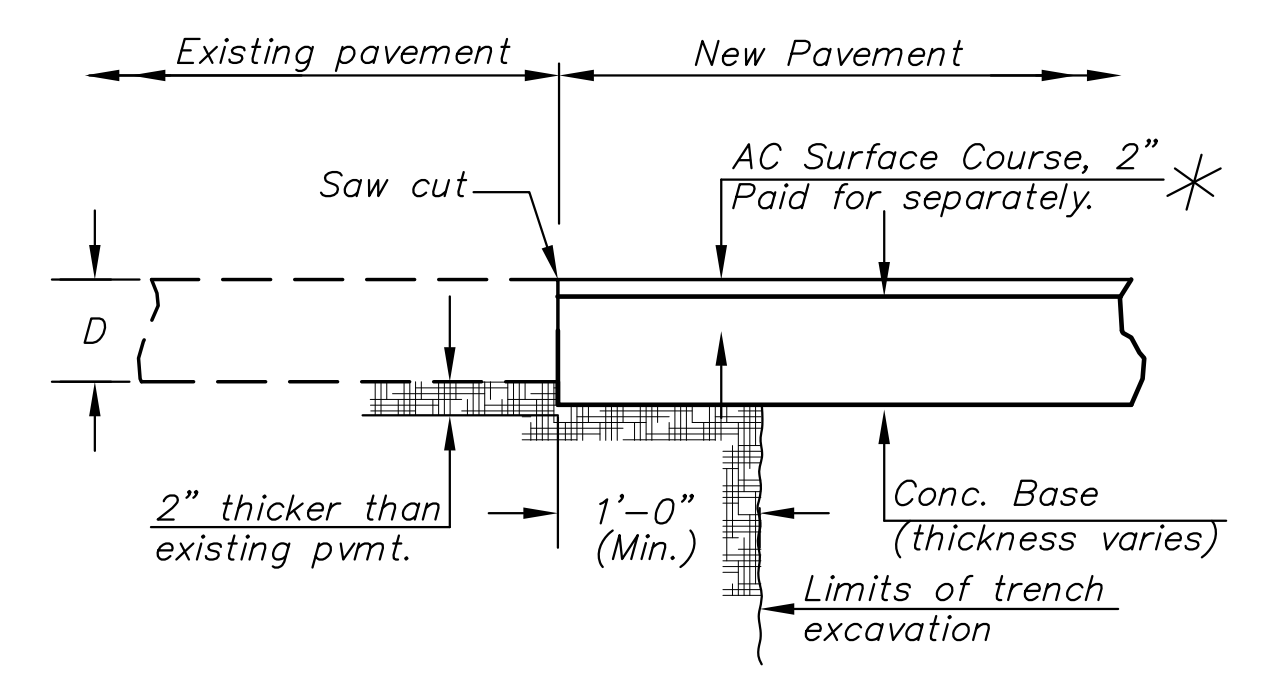
**EXPANSION JOINT (E.J.)**

**BUS PAD GENERAL NOTES:**

1. Bus Pad thickness to be 4". Bus Pads paid for as "Sidewalk Construction, 4".
2. Except as otherwise noted, Sidewalk slope must not exceed 5%, in the direction of travel, or 2% perpendicular to the direction of travel.
3. All Sidewalk within 5' of Back-of-Curb must be constructed as a Landing Area, with slopes not in excess of 2% in any direction.
4. Bus Pads and all Proposed Sidewalk immediately adjacent to pads will require the Subgrade below to be Compacted to 95% Standard Density. Cost of Subgrade preparation is Subsidiary to "Sidewalk Construction, 4".

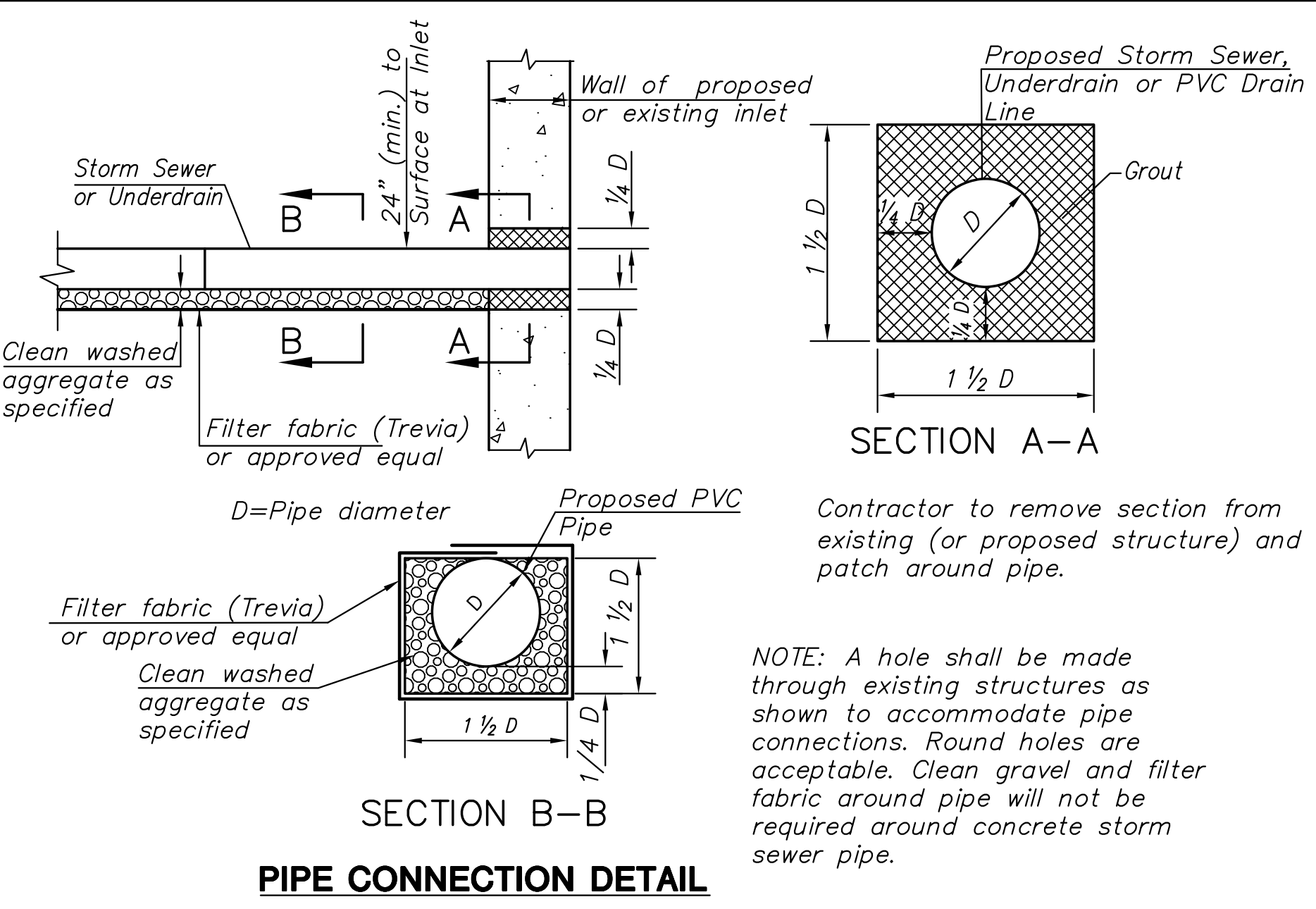


**TEMPORARY PAVEMENT PATCH**



**PERMANENT PAVEMENT PATCH DETAIL**

\* For concrete pavements, entire patch shall be concrete at 2" thicker than existing pavement. For all patches, concrete shall be paid for as "Concrete Pavement Removed and Replaced."



**PIPE CONNECTION DETAIL**

NOTE: A hole shall be made through existing structures as shown to accommodate pipe connections. Round holes are acceptable. Clean gravel and filter fabric around pipe will not be required around concrete storm sewer pipe.

STREET IMPROVEMENTS FOR:  
**PAWNEE AVENUE**  
**FROM HYDRAULIC TO POPLAR**  
WICHITA, KANSAS

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**MISC. DETAILS**

PROJECT NO.	87 N-0597-01	
DATE	DATE	
SCALE	NO SCALE	
DESIGNED	DRAWN	CHECKED
JRA	JSB	JRA
NO.	REVISION	DATE