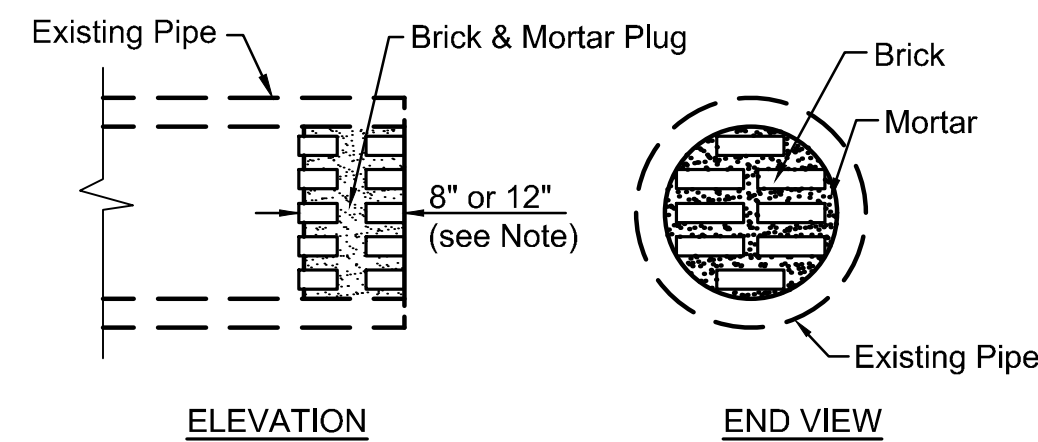


**NOTE**  
 CONTRACTOR SHALL CONSTRUCT BOX-OUTS AROUND ALL SURFACE UTILITY FIXTURES, AS SHOWN, WHEN FIXTURES FALL ON OR NEAR CONCRETE JOINTS, OR AS DIRECTED BY THE ENGINEER. ALL OTHER FIXTURES SHALL HAVE AN ISOLATION JOINT OR BOND BREAKER BETWEEN THEM AND CONCRETE PAVEMENT. COST SHALL BE SUBSIDIARY.

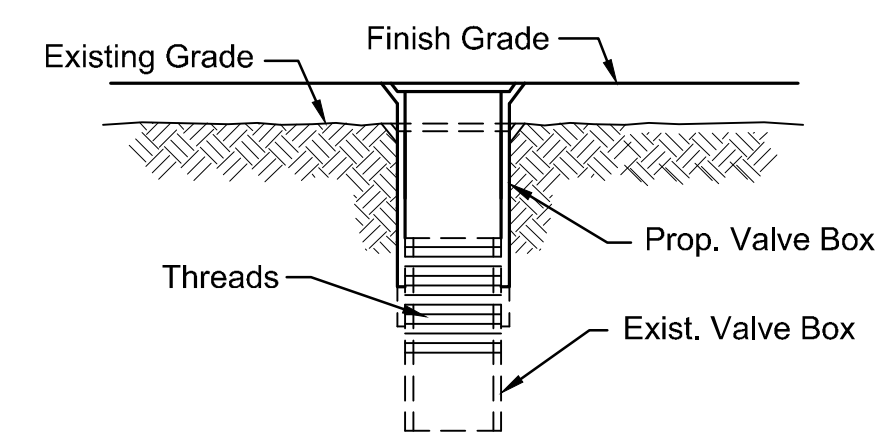
**TYPICAL UTILITY BOX-OUT DETAILS**



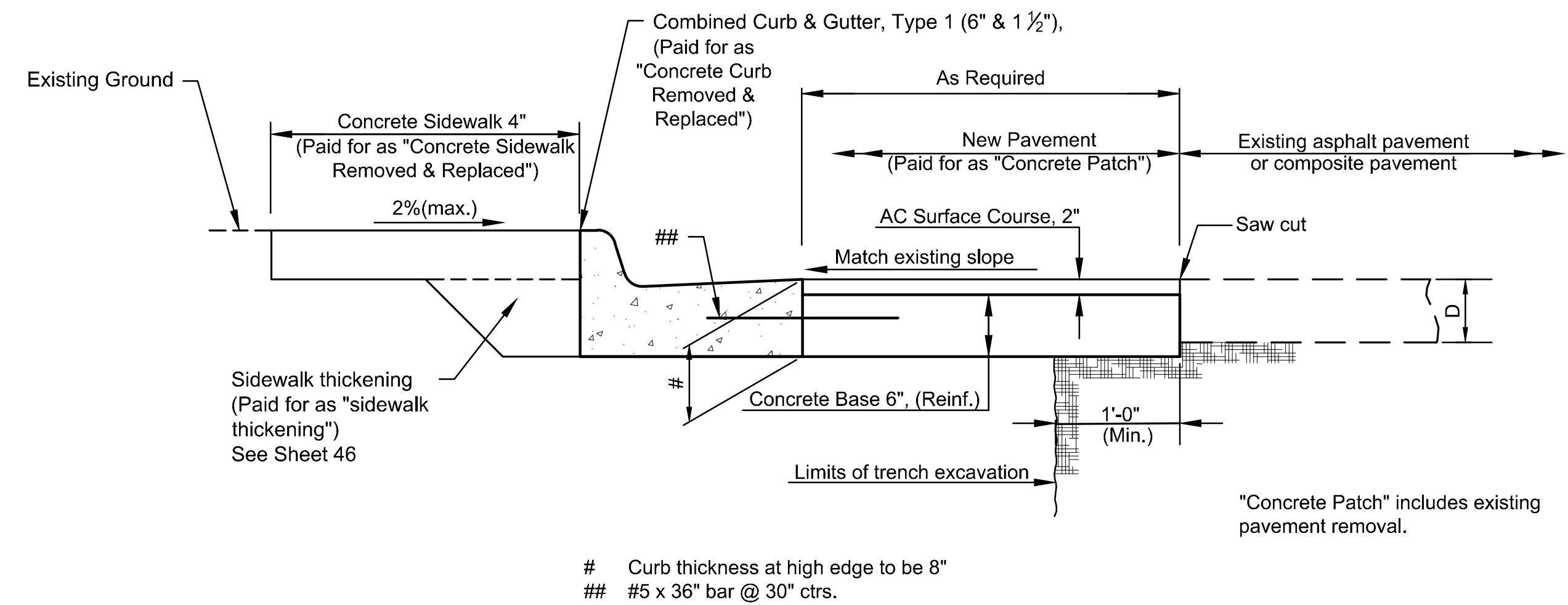
**NOTES**  
 PIPE PLUGS SHALL BE CONSTRUCTED OF BRICK MASONRY, WITH CONSTRUCTION REQUIREMENTS AND MATERIALS CONFORMING TO THE SAME REQUIREMENTS AS SPECIFIED FOR A MASONRY CONSTRUCTION IN THE STD. SPECS. PIPES HAVING DIAMETERS OF 18" OR SMALLER SHALL BE PLUGGED WITH 8" THICK PLUG. PIPES HAVING DIAMETERS 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.

**PIPE PLUGGING DETAIL**

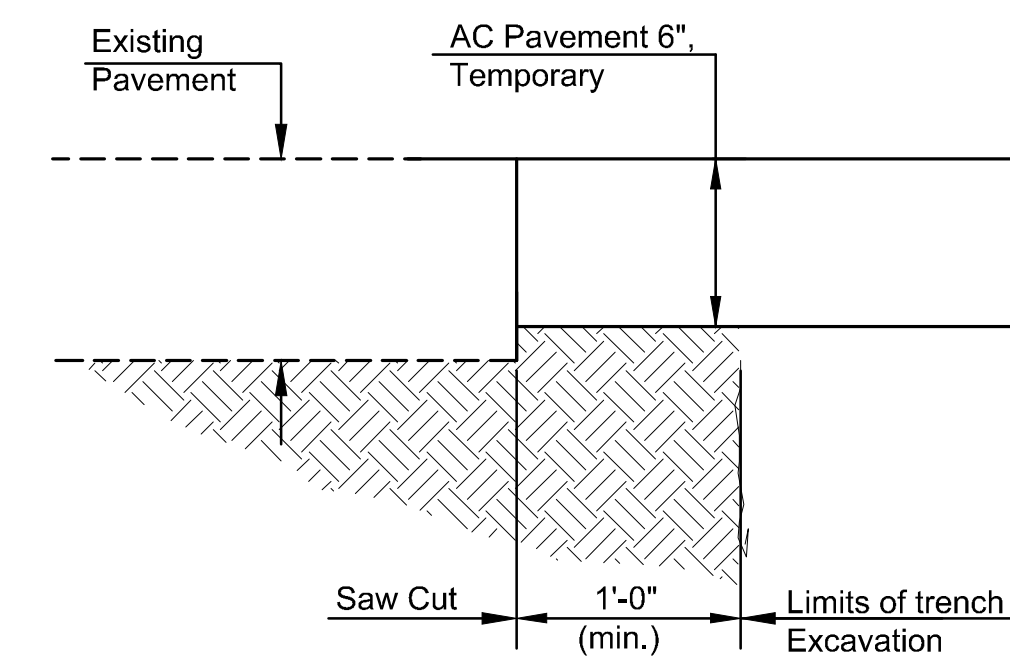


Valve Adjustment Shall Be Paid As "Valve Box Adjusted."  
**WATER VALVE BOX ADJUSTMENT DETAIL**



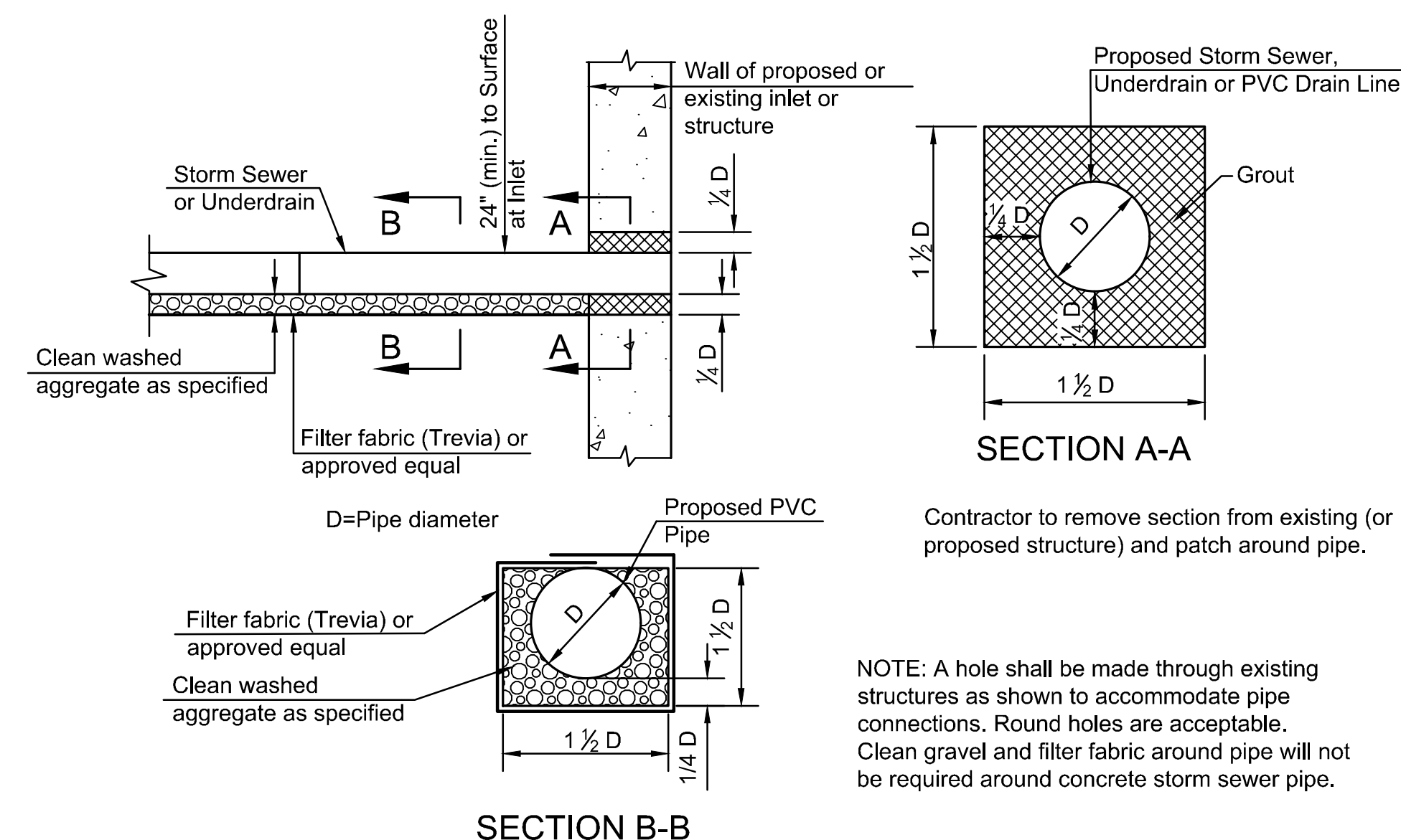
**PERMANENT PAVEMENT PATCH DETAIL - ASPHALT AND COMPOSITE PAVEMENT**

# Curb thickness at high edge to be 8"  
 ## #5 x 36" bar @ 30" ctrs.



**TEMPORARY PAVEMENT PATCH**

Note: Cost for temporary pavement items includes eventual removal.



**SECTION B-B**

**PIPE CONNECTION DETAIL**

Contractor to remove section from existing (or proposed structure) and patch around pipe.  
 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.

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**MISCELLANEOUS DETAILS**

PROJECT NO.	472-85286	
DATE	DATE	
SCALE	NTS	
DESIGNED	DRAWN	CHECKED
JRA	RAM	JRA

NO.	REVISION	DATE

SHEET NO.