

Interceptor[®]

Pre-Engineered Surface Drainage



Installation Guide

ABT[®], INC.

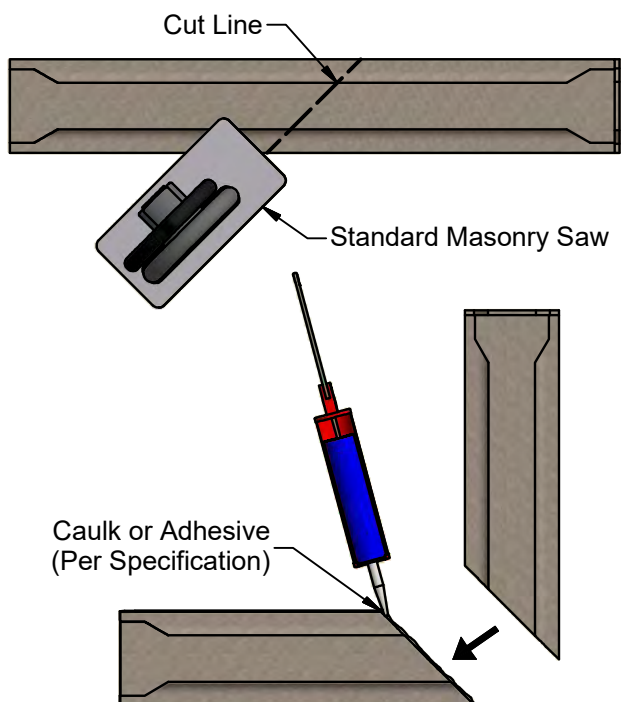
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Toll free in the USA, Canada, and Mexico (800) 438-6057

A collection of various tools and equipment. On the left, there is a brown tripod with a black mounting bracket. Surrounding it are several hand tools: a pair of pliers, a knife, a small grey object, a yellow and black power drill, a hand saw, a shovel, a measuring tape, a roll of grey tape, a small metal bracket, a long thin metal rod, a blue and red glue gun, a long thin metal rod, a hammer, a mallet, a long wooden handle with a metal head, a long black cable with a green motor unit, a level, a long wooden plank, two wooden arrowheads, and a long metal rod with a grey handle.

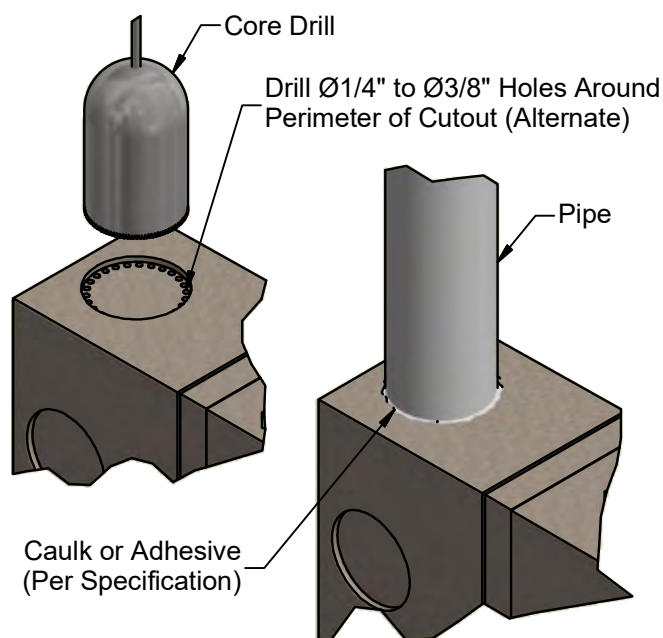
An exploded view diagram of the ABT-DRAIN unit. The main component is a long, dark grey rectangular unit labeled '150' and 'ABT-DRAIN' with a right-pointing arrow. Above it is a black metal frame (8) with a ladder-like structure (6) and a support leg (7). To the right are two vertical panels (3) and a circular pipe fitting (2). Below the main unit is a small rectangular component (4) and a cylindrical container (5). To the left is a metal bracket (10) and a U-shaped component (11). To the right of the main unit is a metal frame (9). Each component is numbered in a circle with a line pointing to it.

BILL OF MATERIAL	
ITEM	DESCRIPTION
1	PolyDrain® Channel
2	Pipe Stub Outlet Adaptor Plate
3	Plain End Plate
4	Pipe Insert Outlet Adapter Plate
5	Vertical PVC Outlet
6	Grate
7	Frame
8	Frame Anchor
9	PolyClip I™ (Optional)
10	PolyClip II™ (Optional)
11	Rebar U-Leg (Optional)

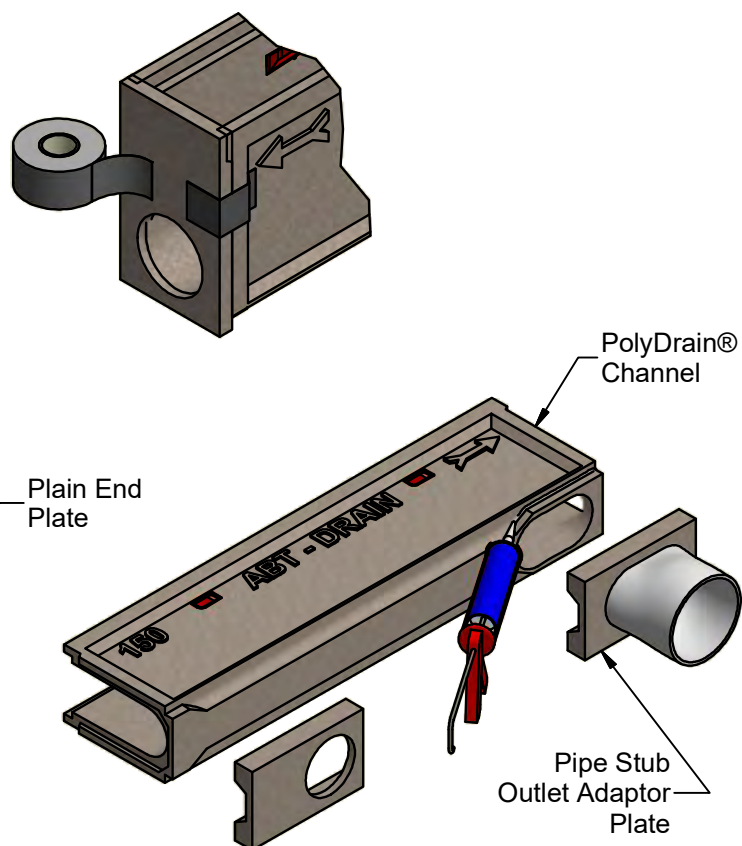
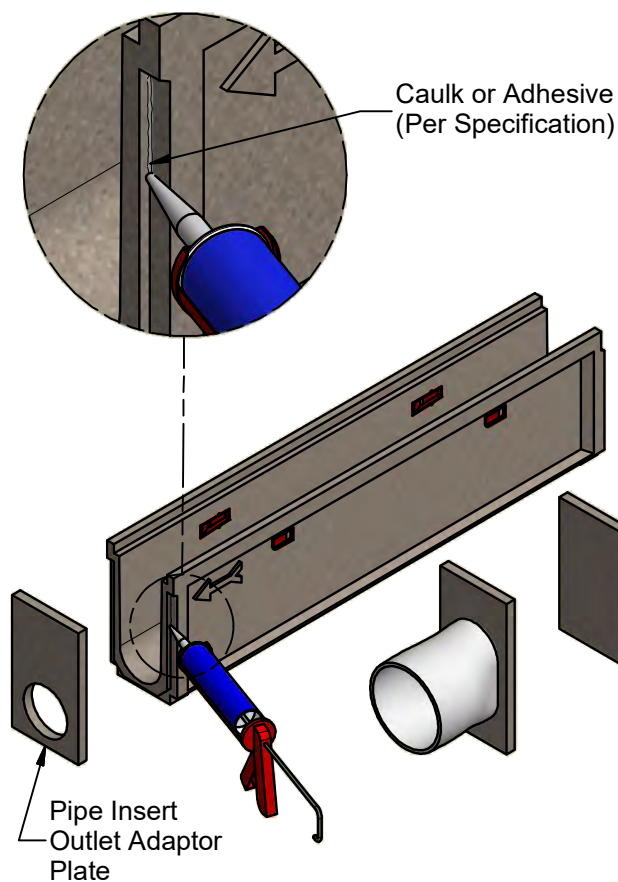
CHANNEL PREPARATION



1. FORMING MITER JOINTS



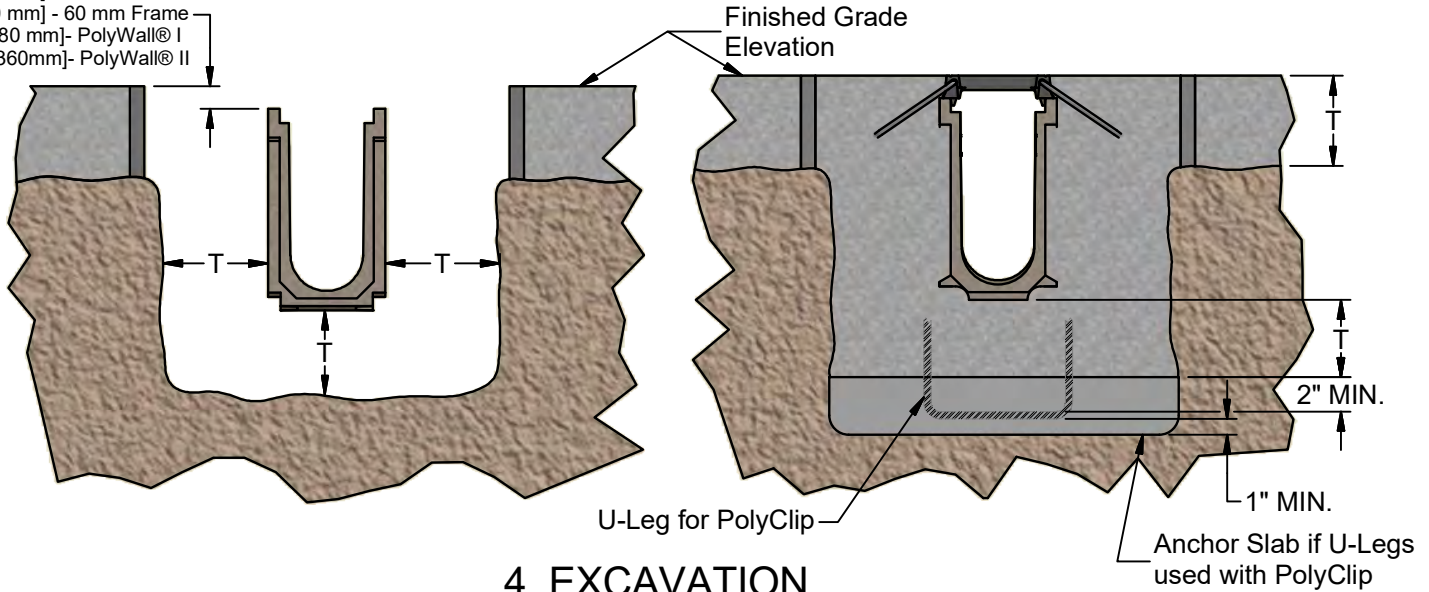
2. PIPE CONNECTION / PREFORMED CUTOUT REMOVAL



3. HORIZONTAL AND VERTICAL OUTLET/CLOSED END PLATES

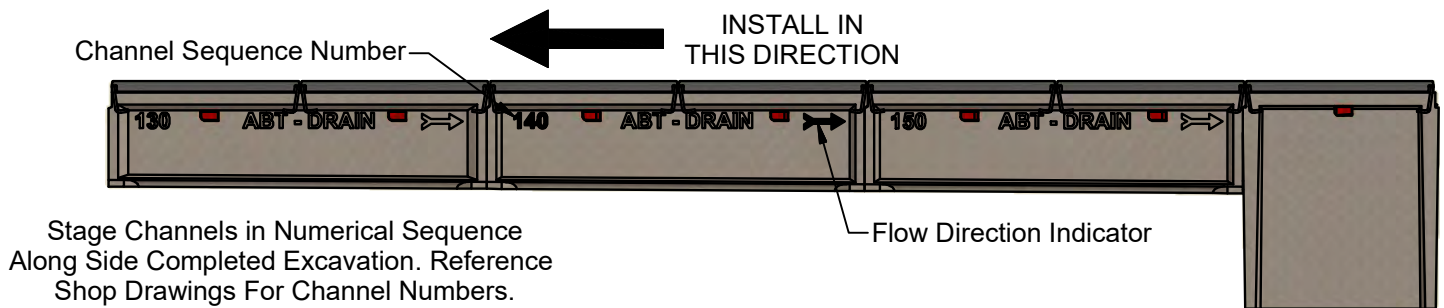
INSTALLATION PREPARATION

Add To Depth:
 1.18" [30 mm] - 30 mm Frame
 2.36" [60 mm] - 60 mm Frame
 7.07" [180 mm]- PolyWall® I
 14.17" [360mm]- PolyWall® II

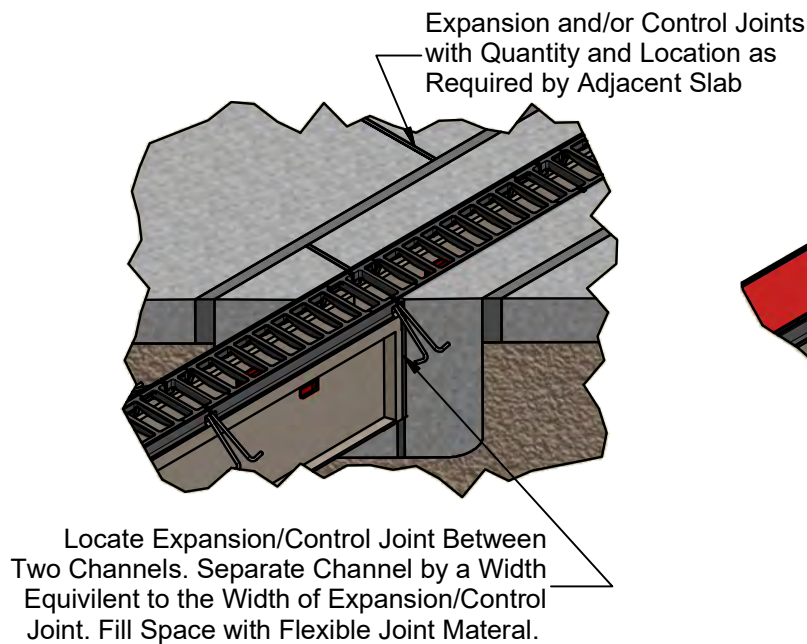


4. EXCAVATION

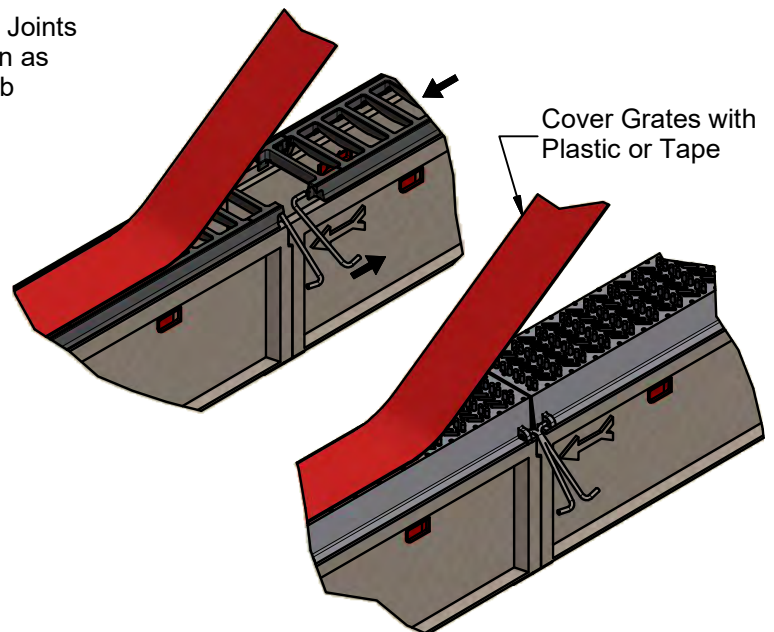
T = Per Structural Engineer, 6" [150 mm] Minimum



5. SYSTEM LAYOUT



6. EXPANSION/CONTROL JOINTS

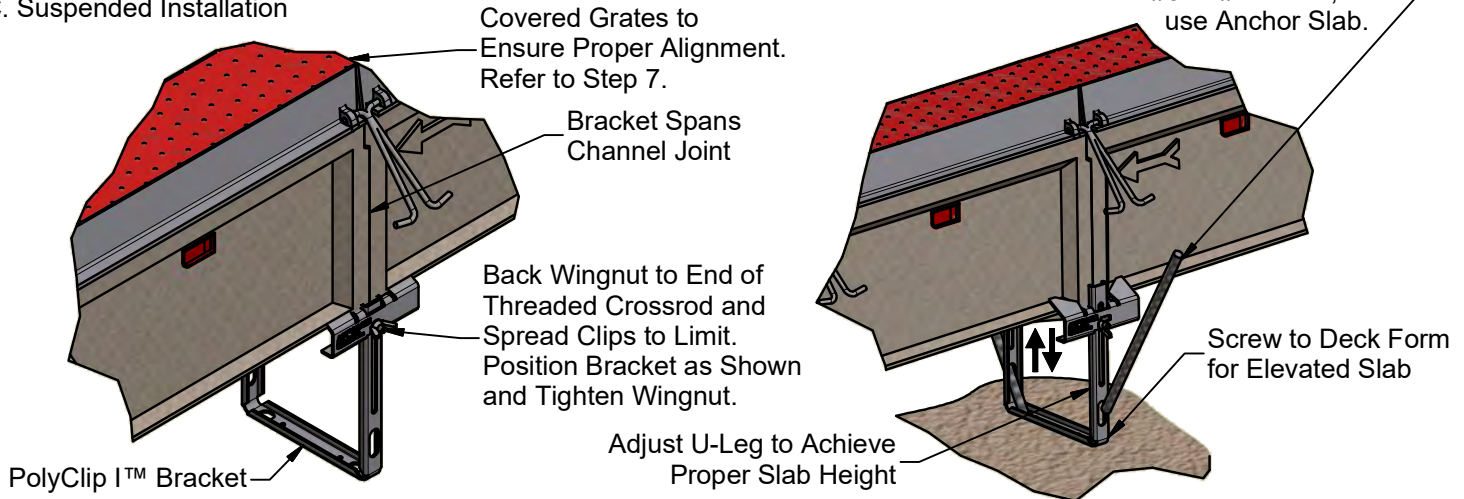


7. GRATE INSTALLATION PRIOR TO CONCRETING

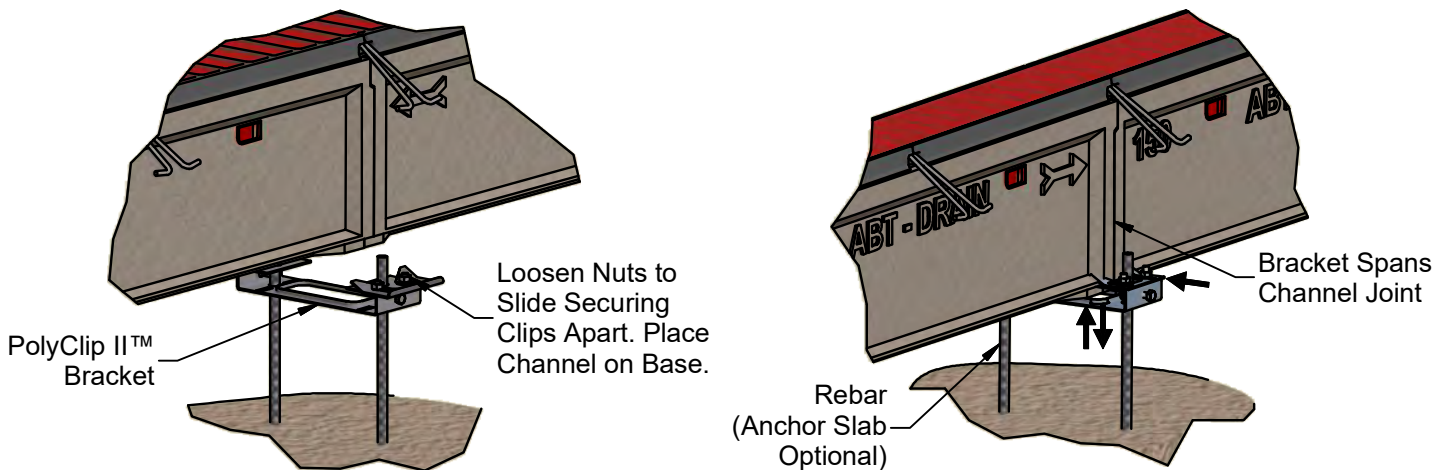
CHANNEL INSTALLATION

Important Installation Notes:

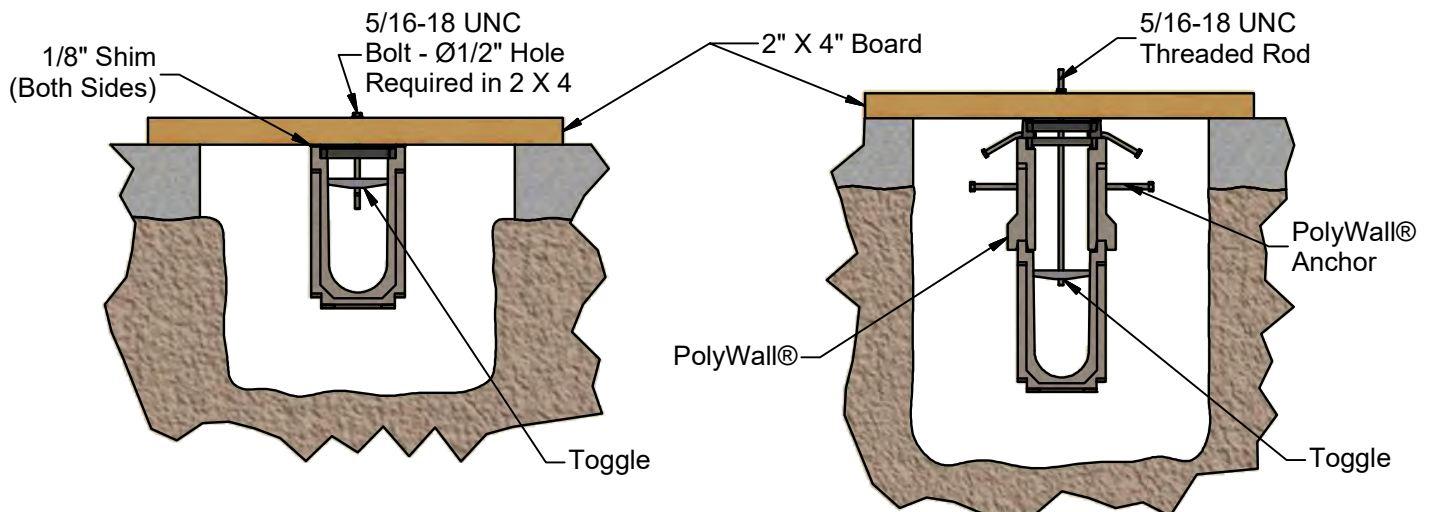
1. Begin Installation at Outlet/Discharge End and Work Backwards (Upstream).
2. Piping Connections, Catch Basin Installation, Miter Joint Assembly, and Trench Excavation Must be Completed Prior to Channel Installation.
3. Set String Line to Finished Slab Height at Outside Edge of Proposed Channel Location.
4. There are (3) Recommended Methods of PolyDrain® Channel Installation:
 - A. PolyClip I Installation Device
 - B. PolyClip II Installation Device
 - C. Suspended Installation



8A. CHANNEL INSTALLATION WITH POLYCLIP I™

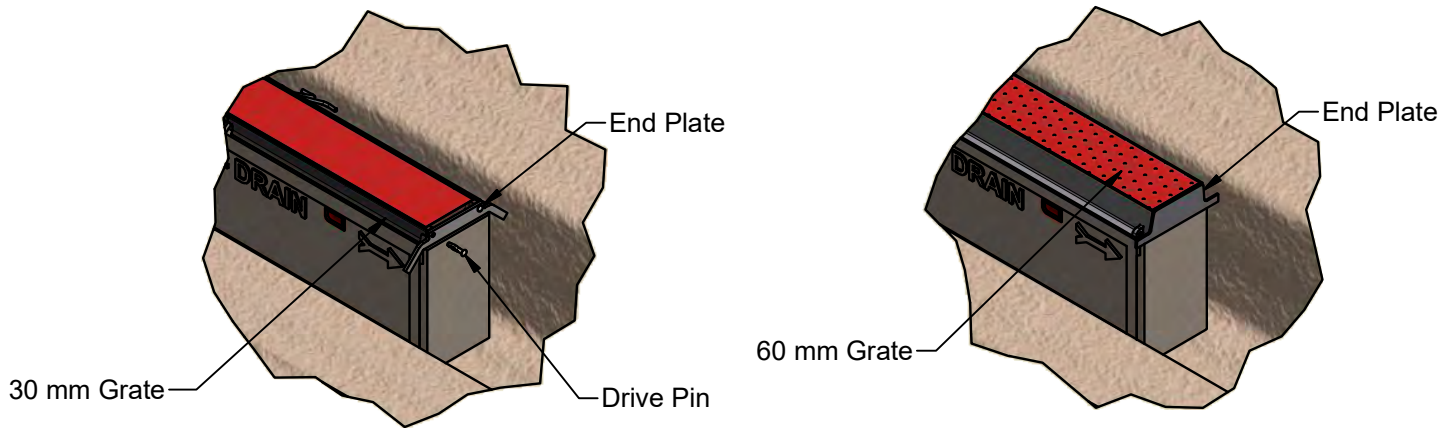


8B. CHANNEL INSTALLATION WITH POLYCLIP II™

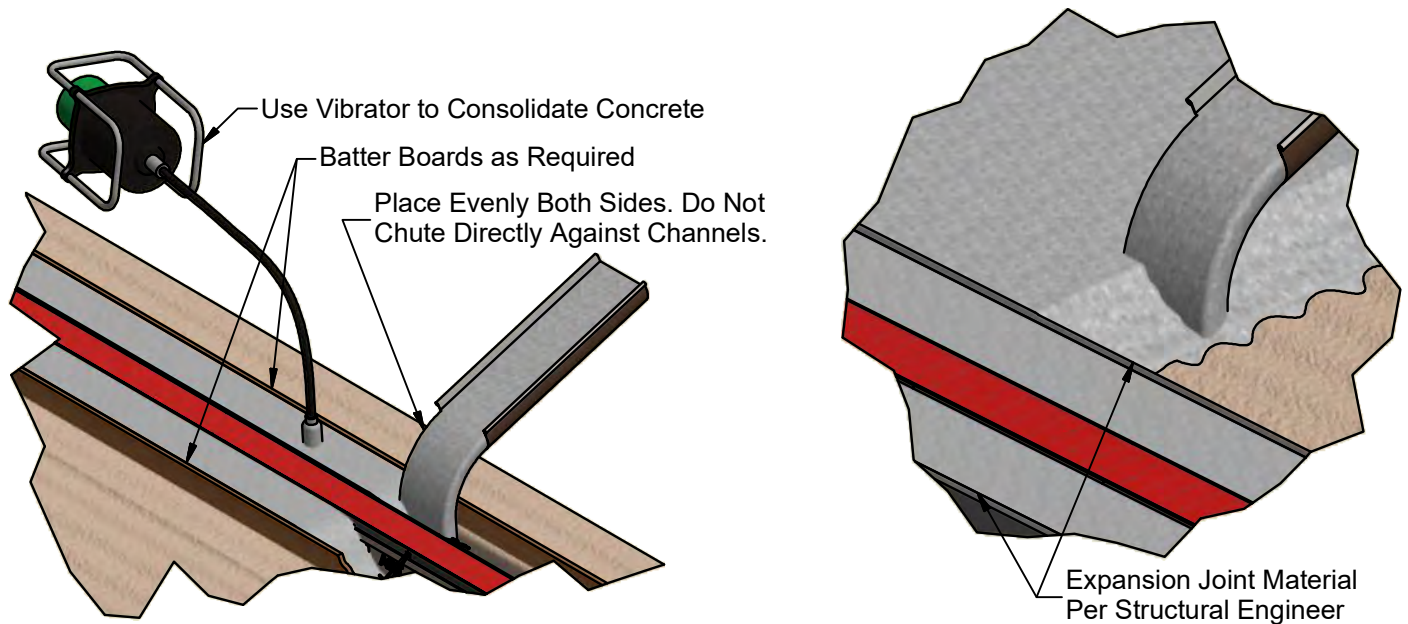


8C. CHANNEL INSTALLATION BY SUSPENSION METHOD

CHANNEL INSTALLATION

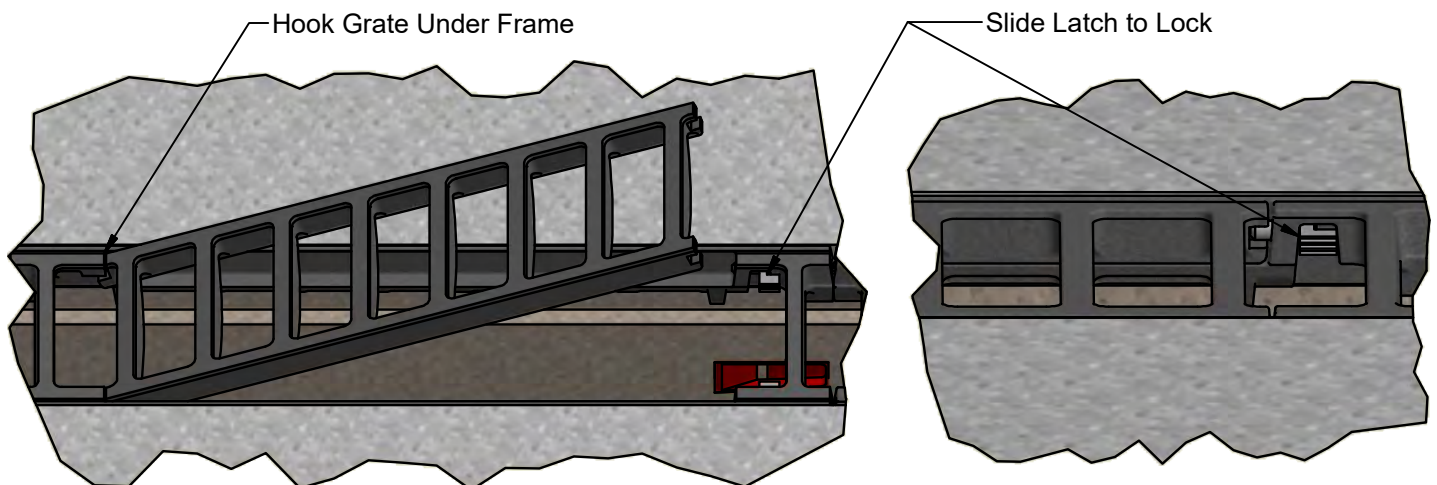


9. END OF RUN - END PLATE INSTALLATION



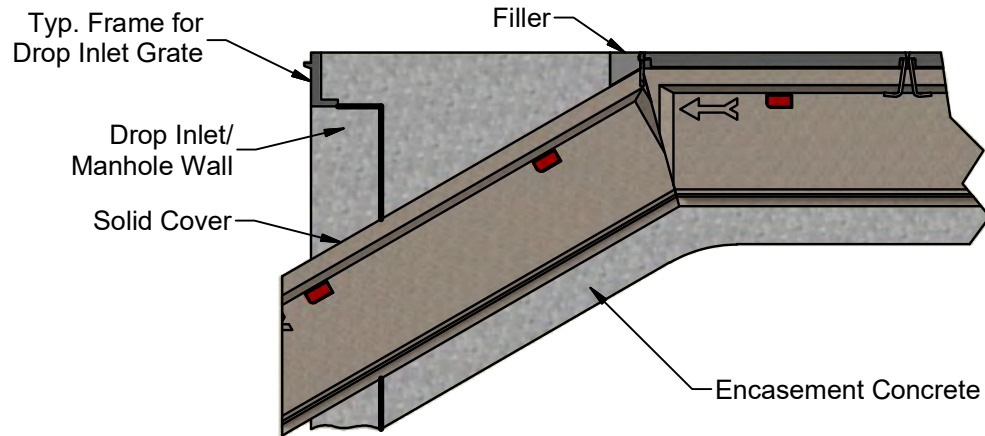
10. ENCAPSULATION CONCRETE PLACEMENT AND CONSOLIDATION

11. ADJACENT CONCRETE PLACEMENT

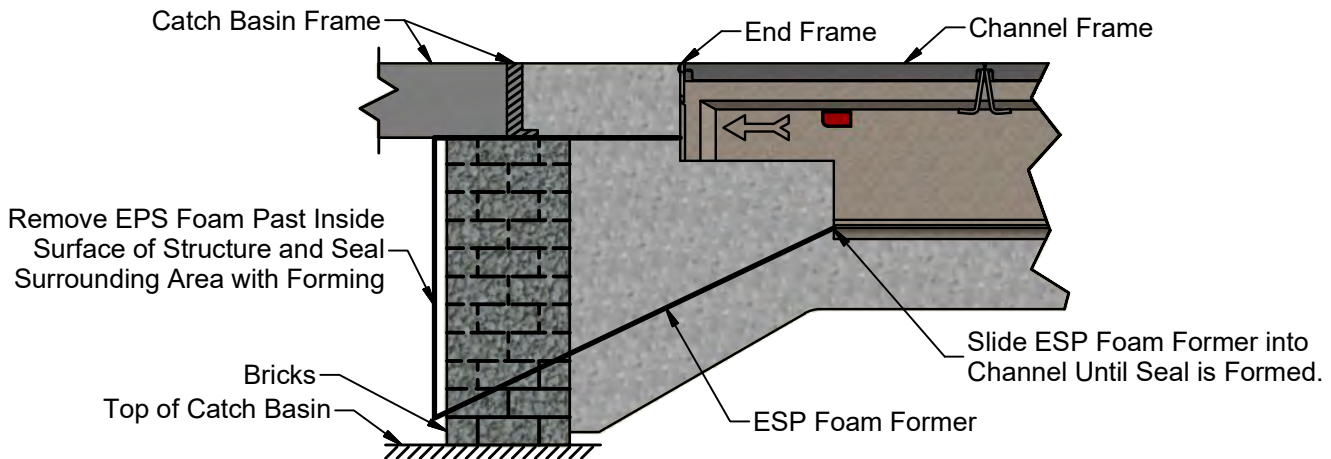


12. GRATE RETENTION

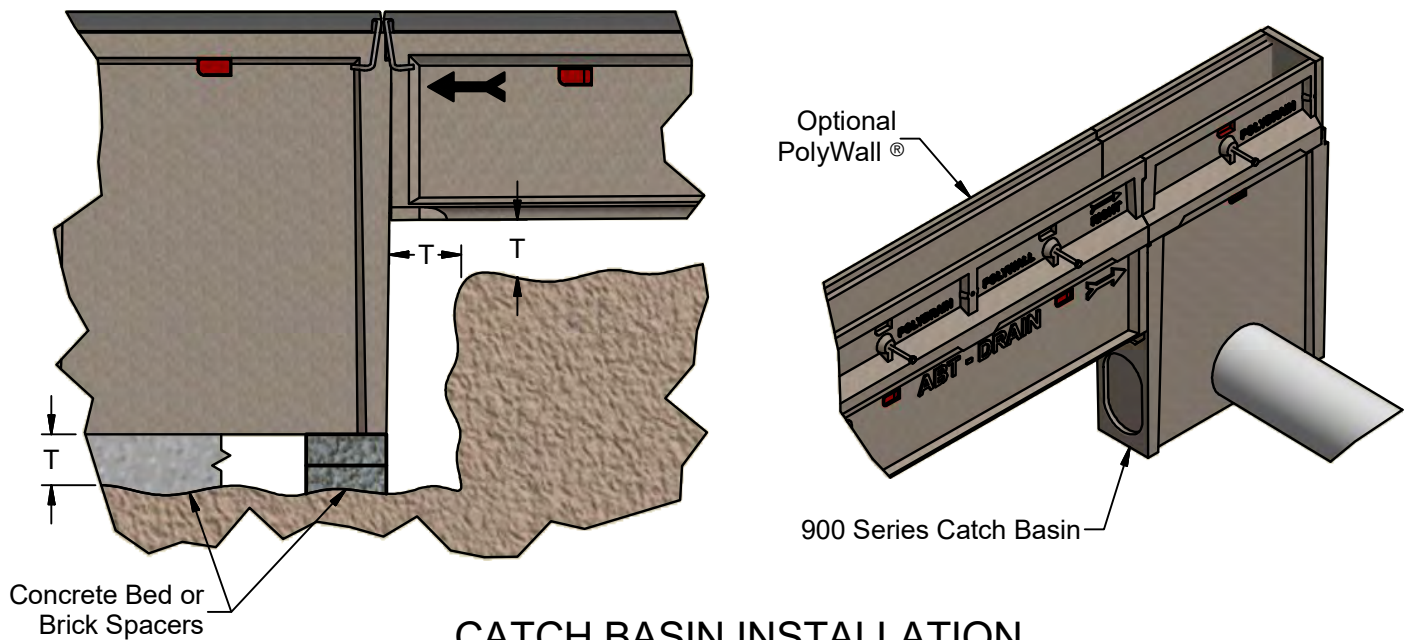
OPTIONAL OUTLET CONNECTIONS



MITER OUTLET CONNECTION



ESP OUTLET CONNECTION



CATCH BASIN INSTALLATION

T = Per Structural Engineer, 6 in [150 mm] Minimum

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NOTES

