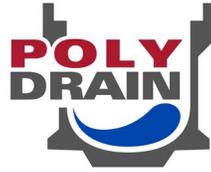


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Pre-Engineered Surface Drainage

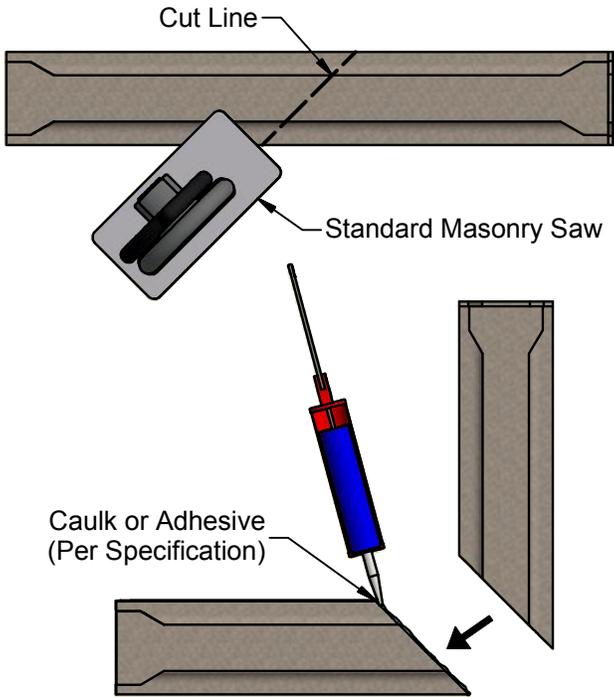


Installation Guide

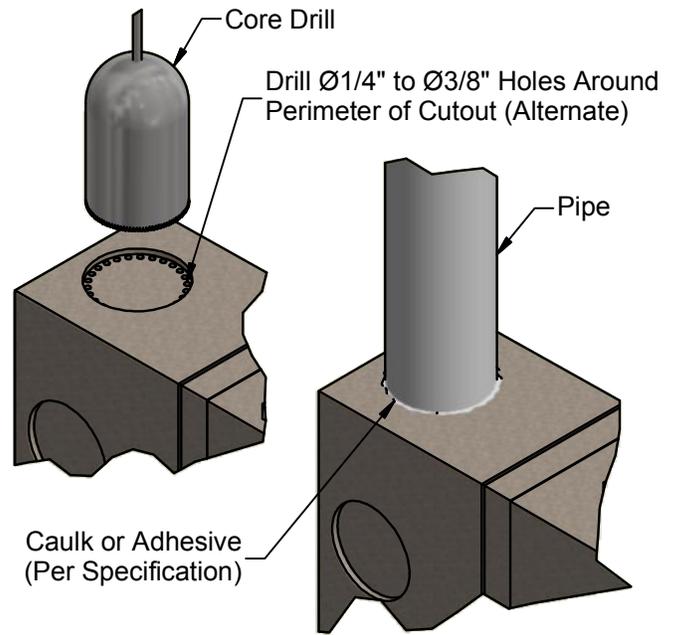
ABT[®], INC.

P.O. Box 837 - 259 Murdock Road - Troutman, NC 28166
Tel (704) 528-9806 - Fax (704) 528-5478 - www.abtdrains.com
Toll free in the USA, Canada, and Mexico (800) 438-6057

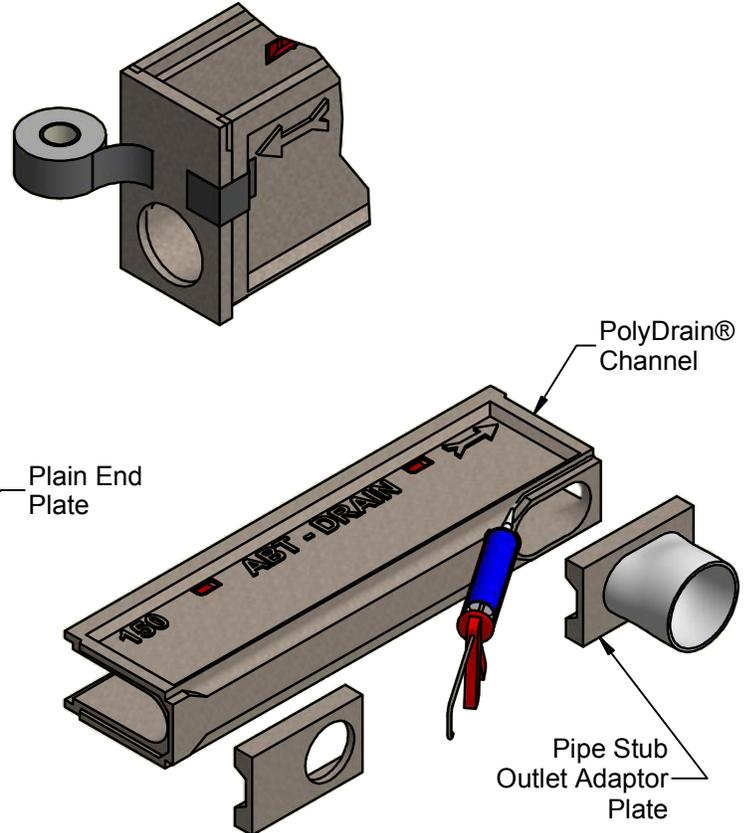
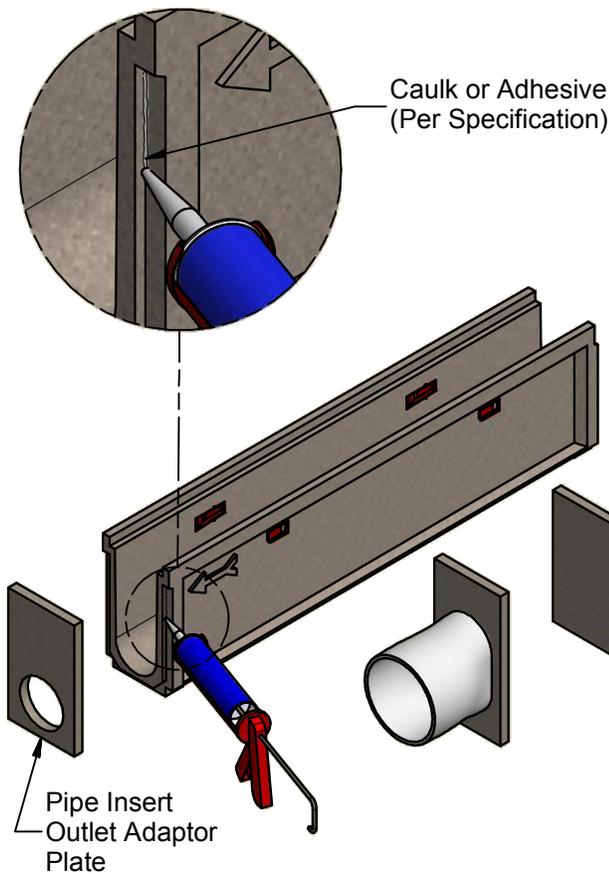
CHANNEL PREPARATION



1. FORMING MITER JOINTS



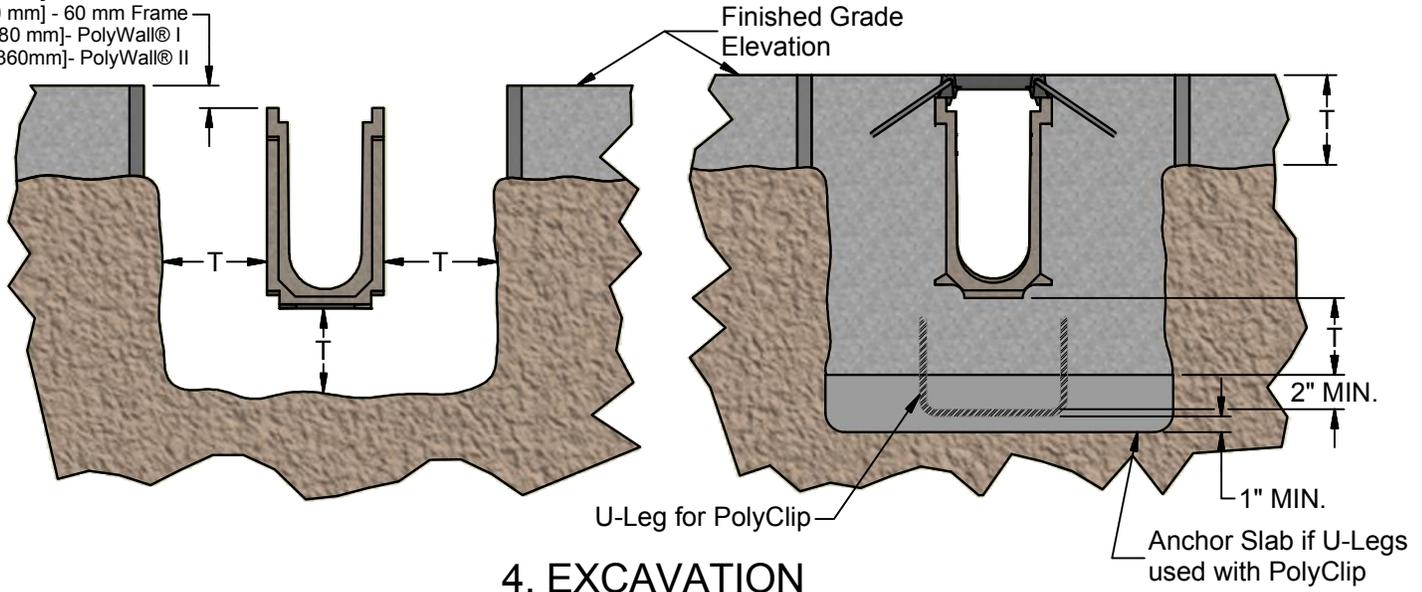
2. PIPE CONNECTION / PREFORMED CUTOUT REMOVAL



3. HORIZONTAL AND VERTICAL OUTLET/CLOSED END PLATES

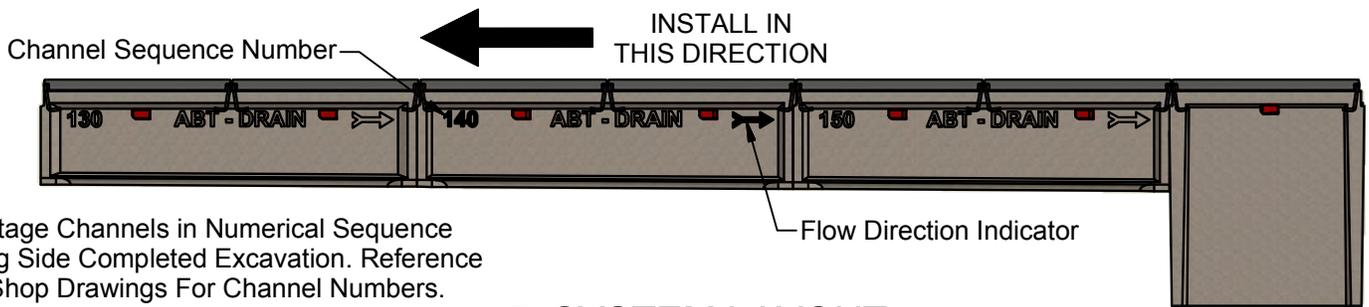
INSTALLATION PREPARATION

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



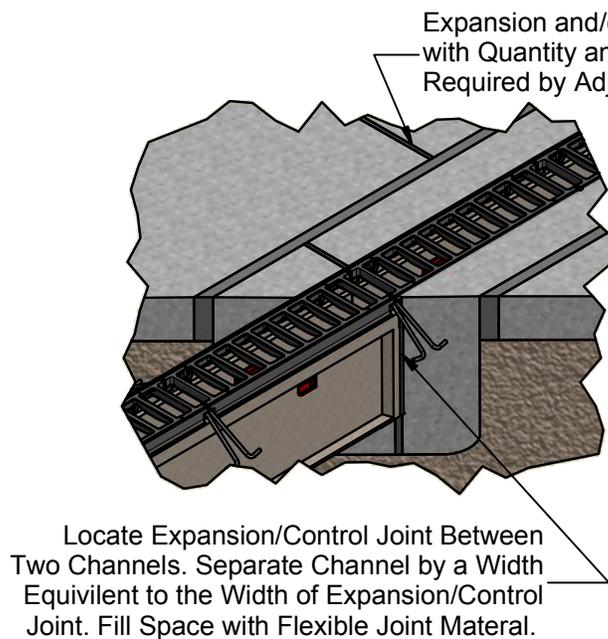
4. EXCAVATION

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

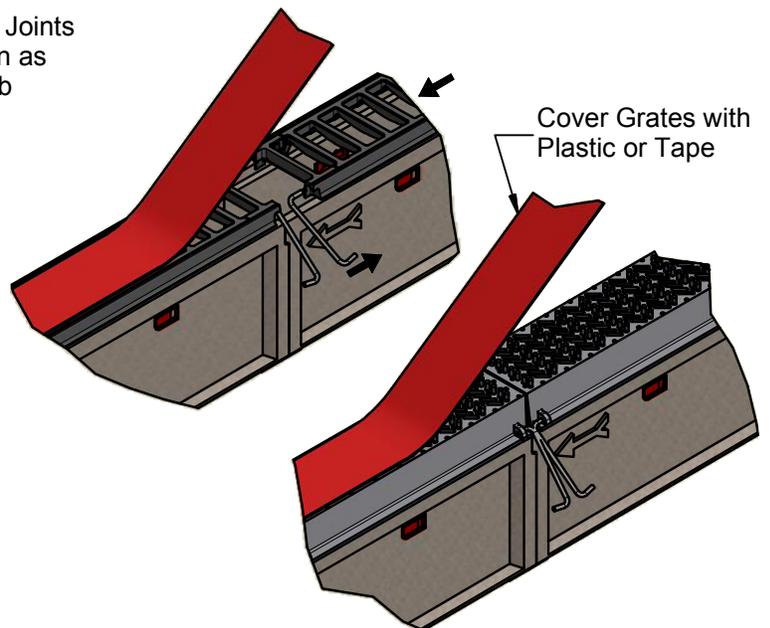


Stage Channels in Numerical Sequence Along Side Completed Excavation. Reference Shop Drawings For Channel Numbers.

5. SYSTEM LAYOUT



6. EXPANSION/CONTROL JOINTS



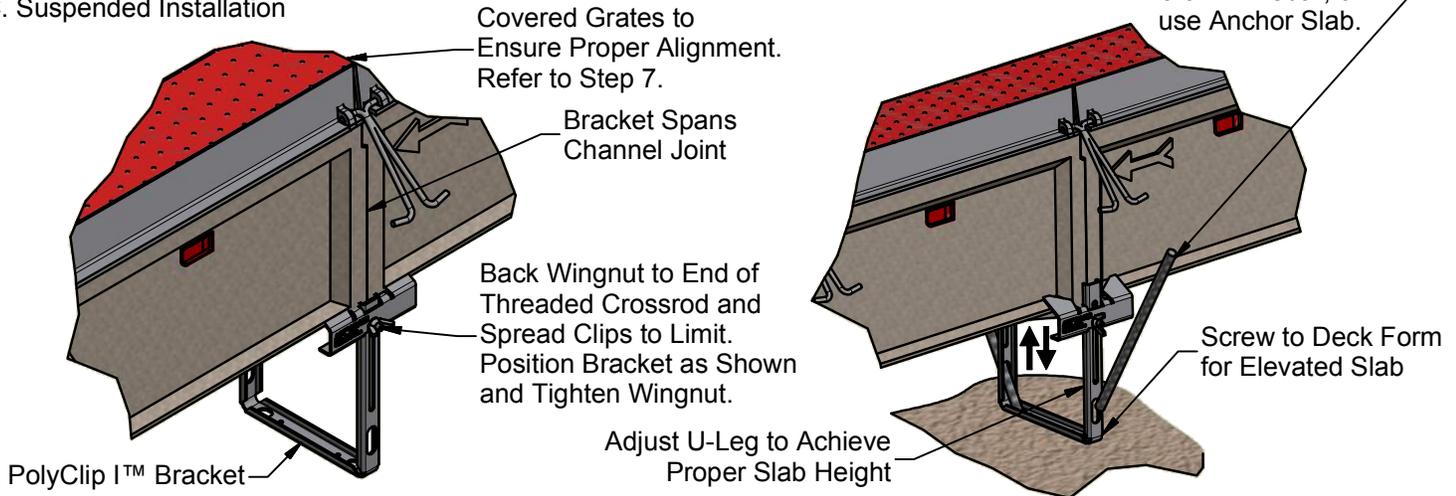
7. GRATE INSTALLATION PRIOR TO CONCRETING

CHANNEL INSTALLATION

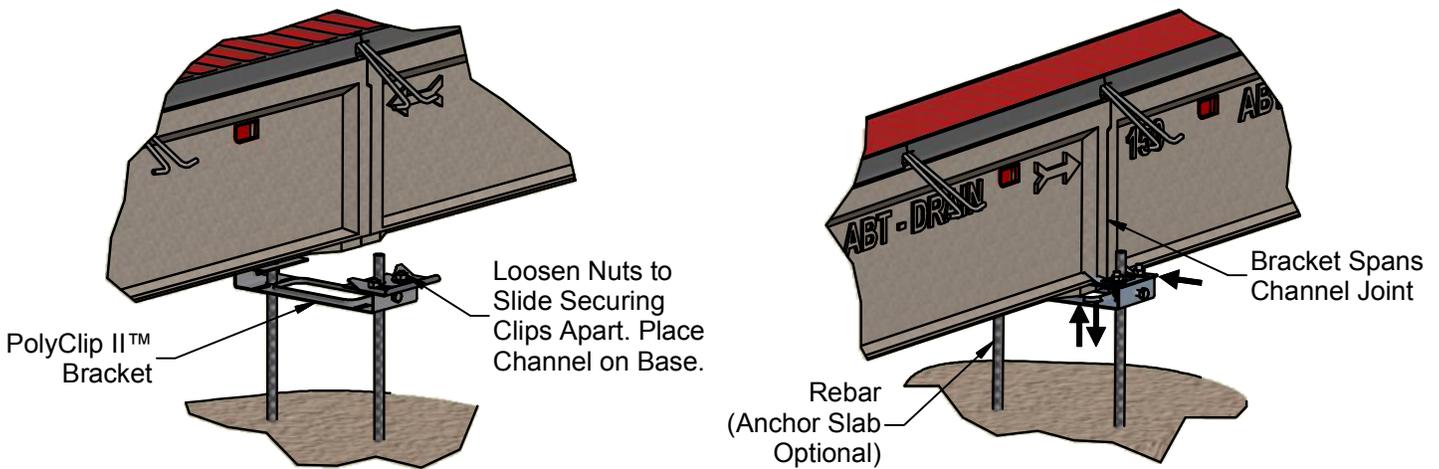
Important Installation Notes:

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:

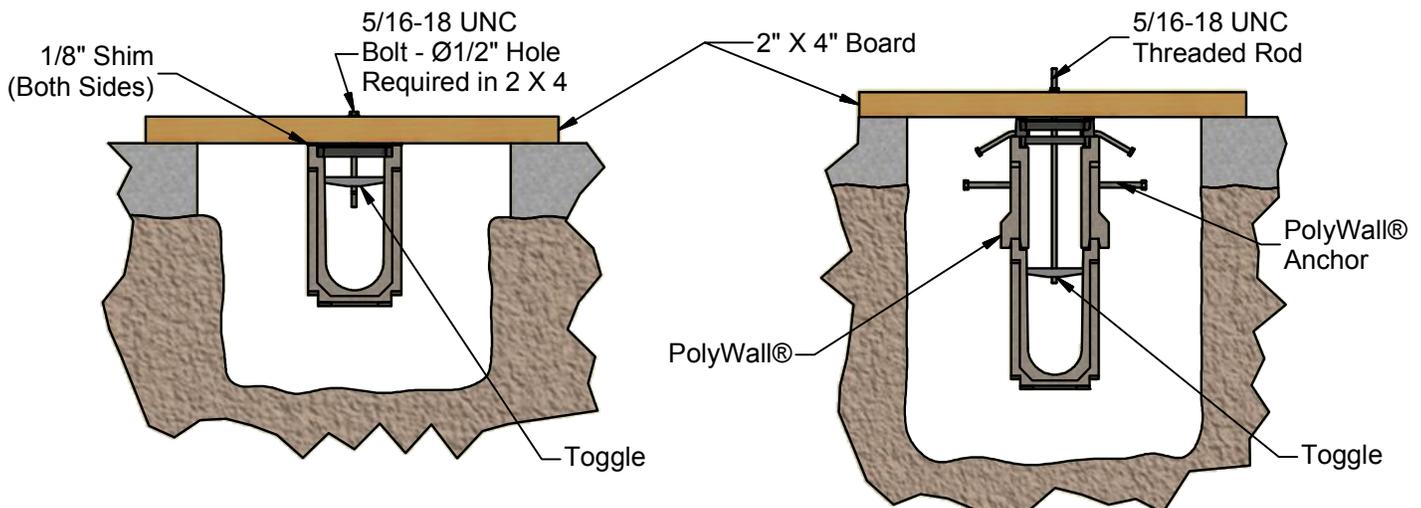
- A. PolyClip I Installation Device
- B. PolyClip II Installation Device.
- C. Suspended Installation



8A. CHANNEL INSTALLATION WITH POLYCLIP I™

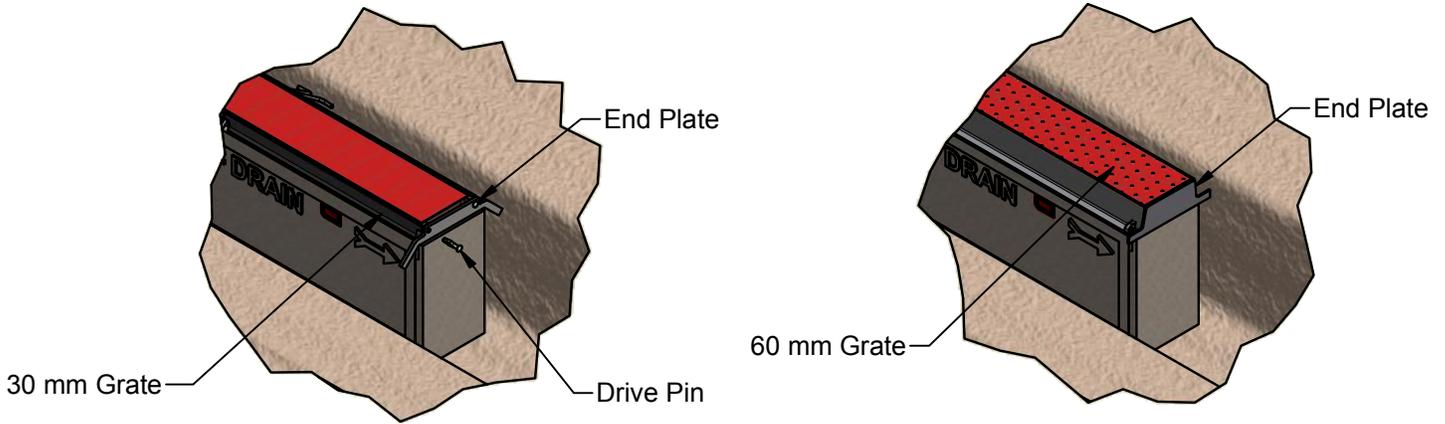


8B. CHANNEL INSTALLATION WITH POLYCLIP II™

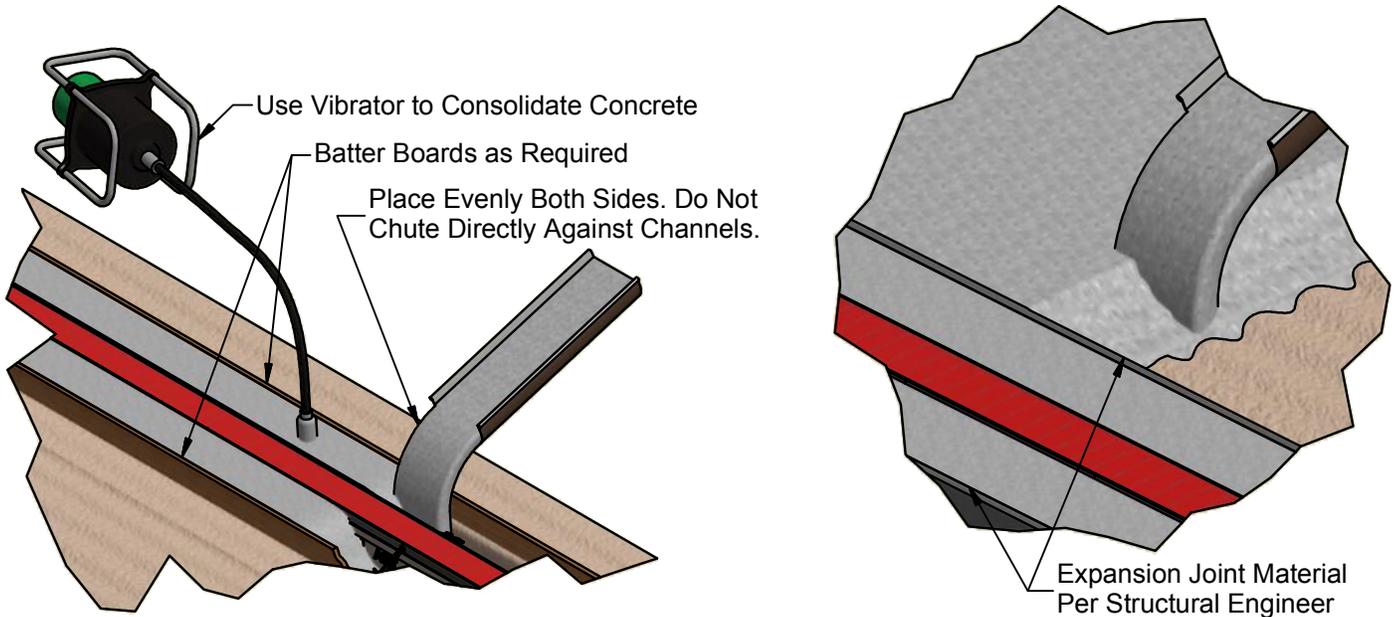


8C. CHANNEL INSTALLATION BY SUSPENSION METHOD

CHANNEL INSTALLATION

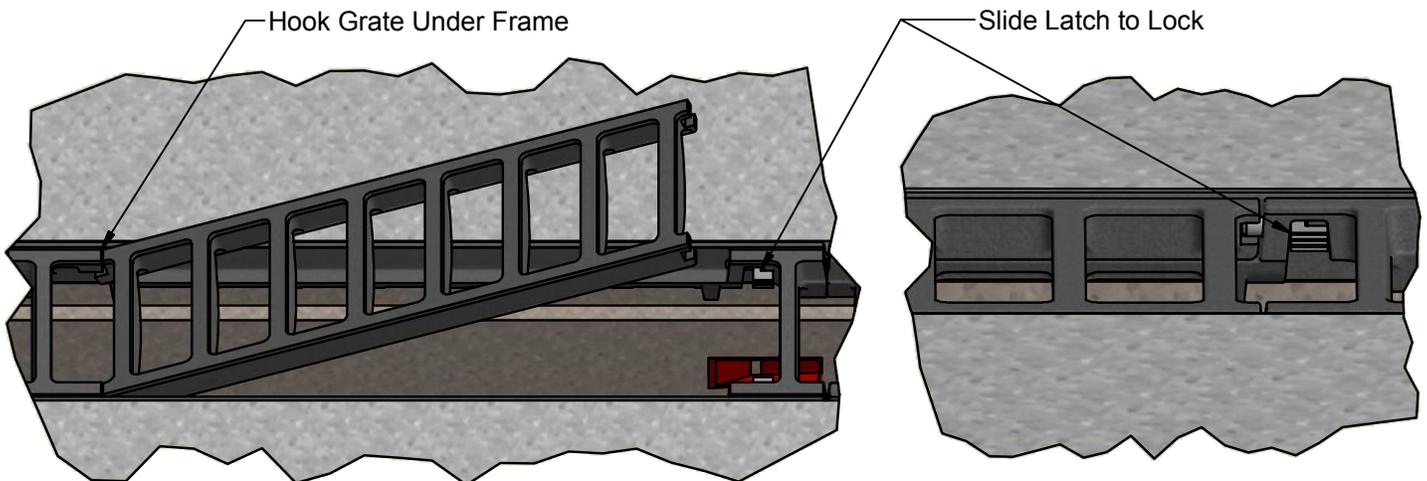


9. END OF RUN - END PLATE INSTALLATION



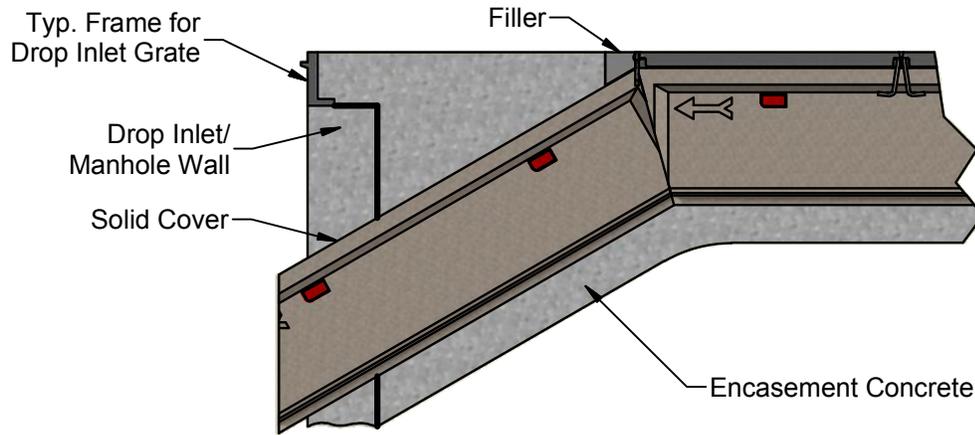
10. ENCAPSULATION CONCRETE PLACEMENT AND CONSOLIDATION

11. ADJACENT CONCRETE PLACEMENT

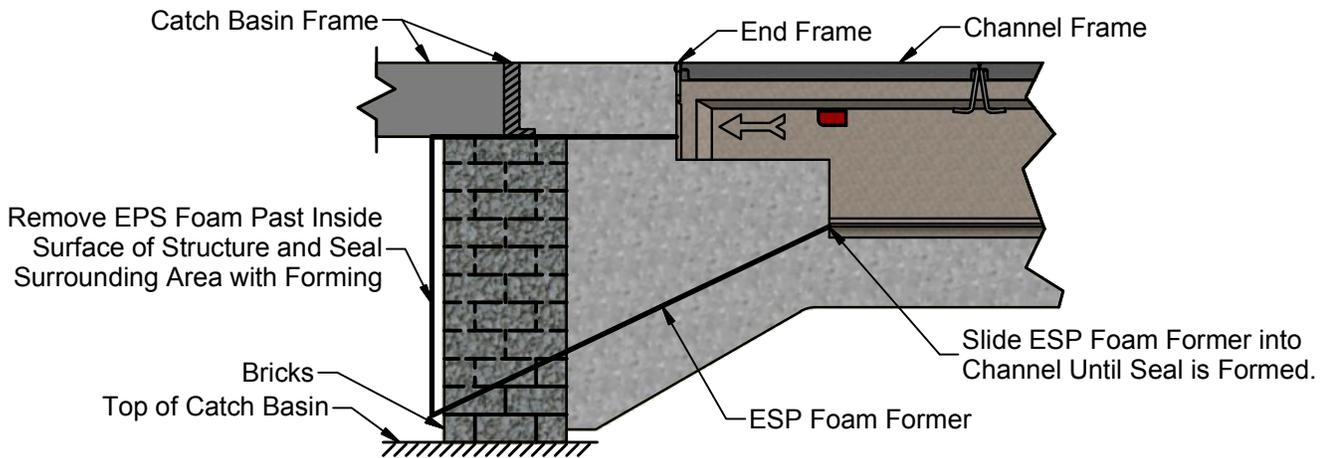


12. GRATE RETENTION

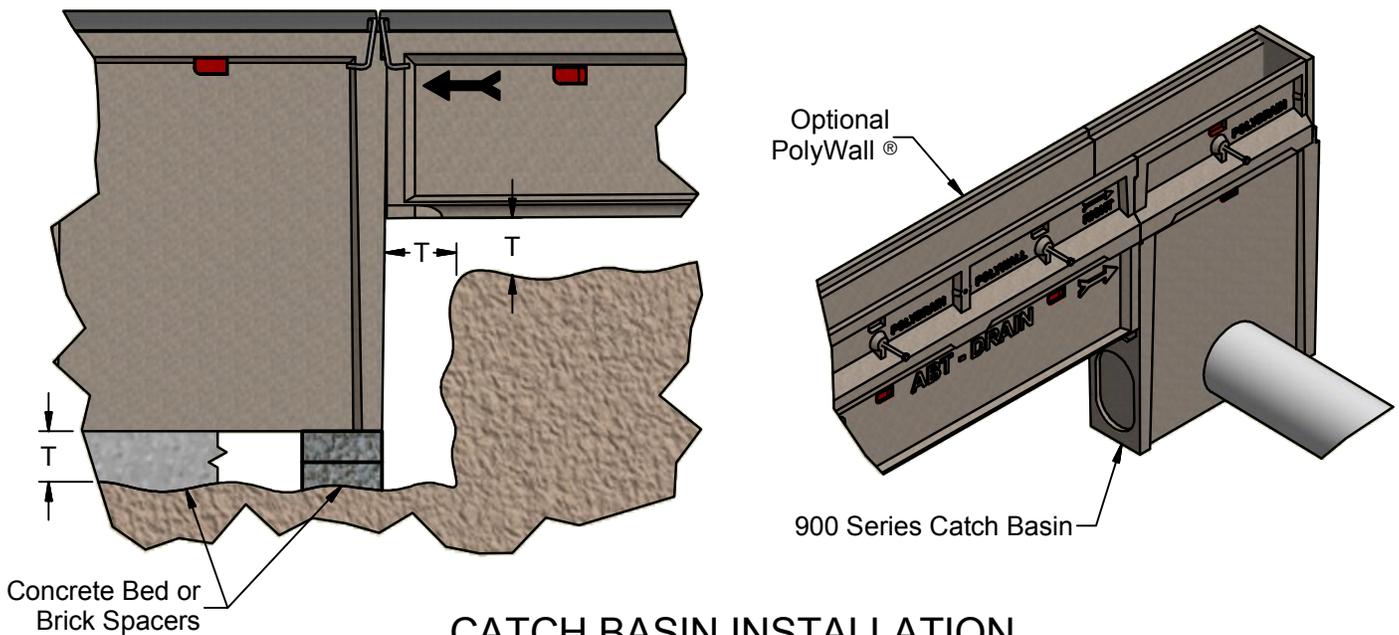
OPTIONAL OUTLET CONNECTIONS



MITER OUTLET CONNECTION



ESP OUTLET CONNECTION



CATCH BASIN INSTALLATION

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

Interceptor[®]



NOTES

