Trench Former®

Pre-Engineered Cast In Place
Trench Drain Forming System

MHD® & XHD®
Installation Guide

P.O. Box 837 - 259 Murdock Road - Troutman, NC 28166
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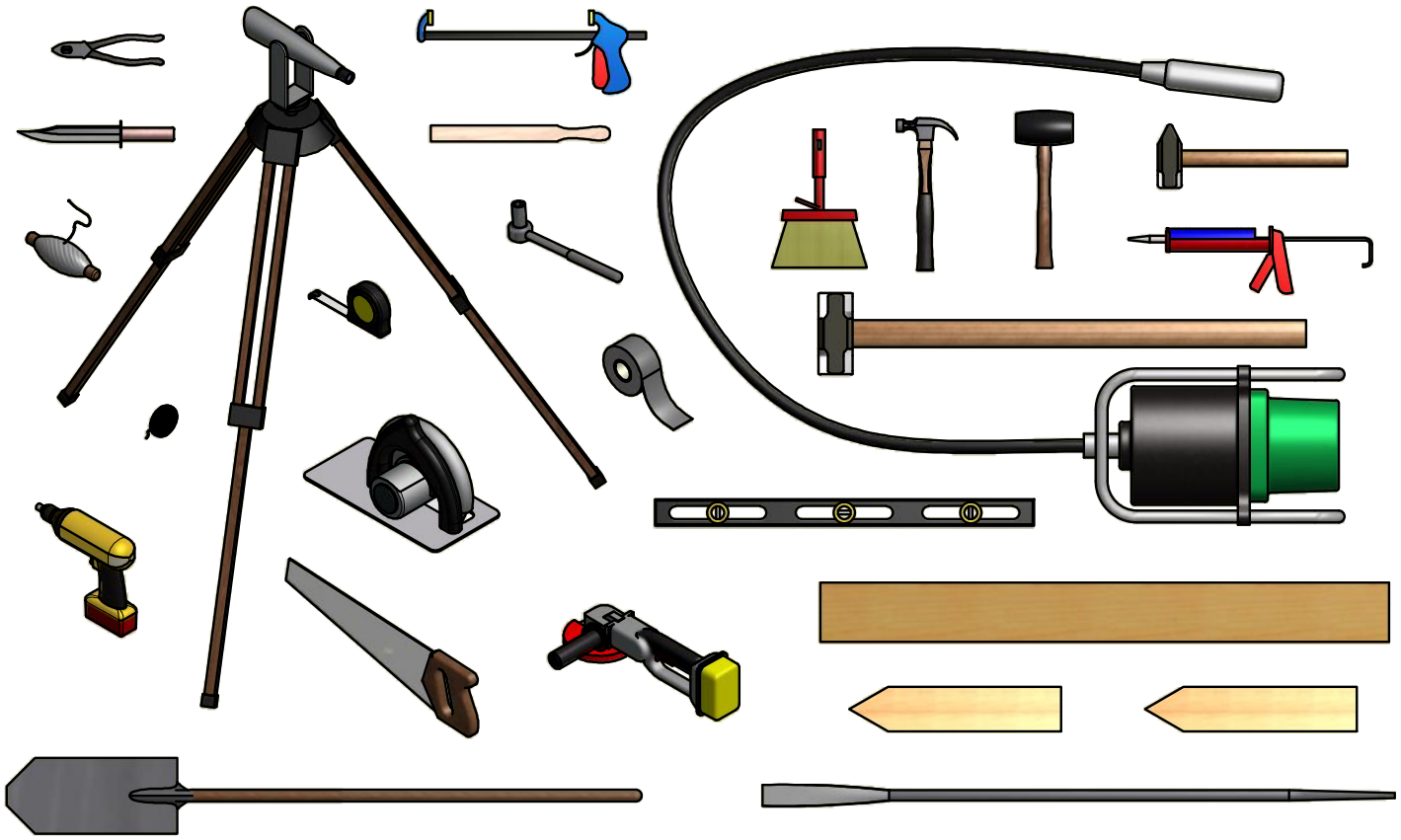
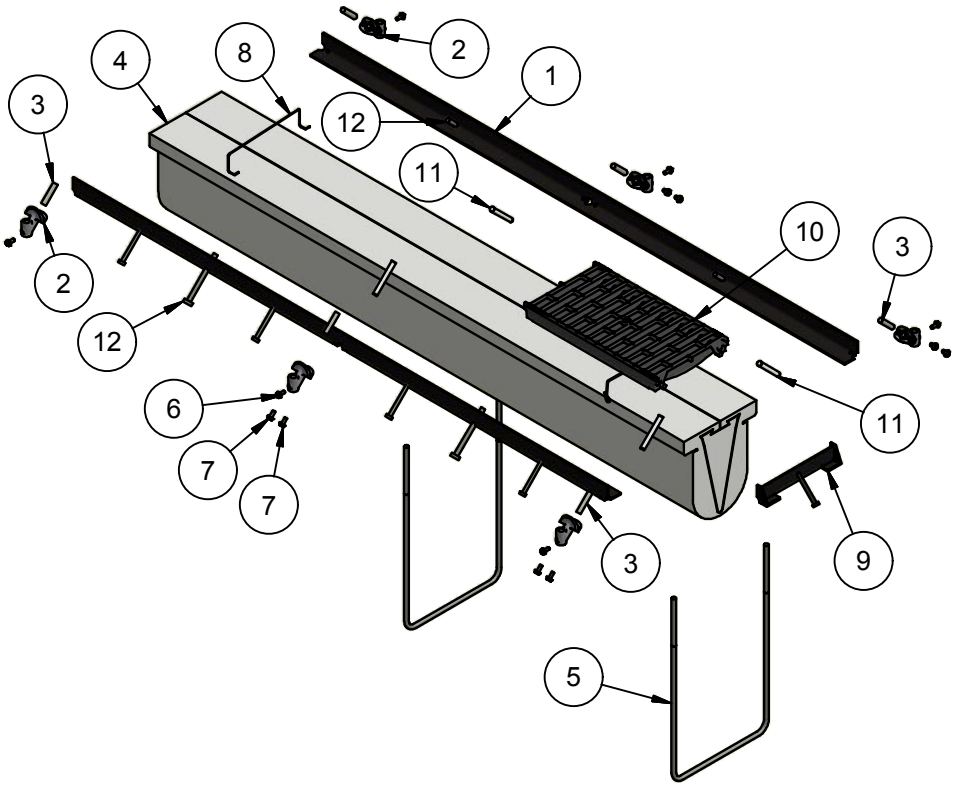
Toll free in the USA, Canada, and Mexico (800) 438-6057

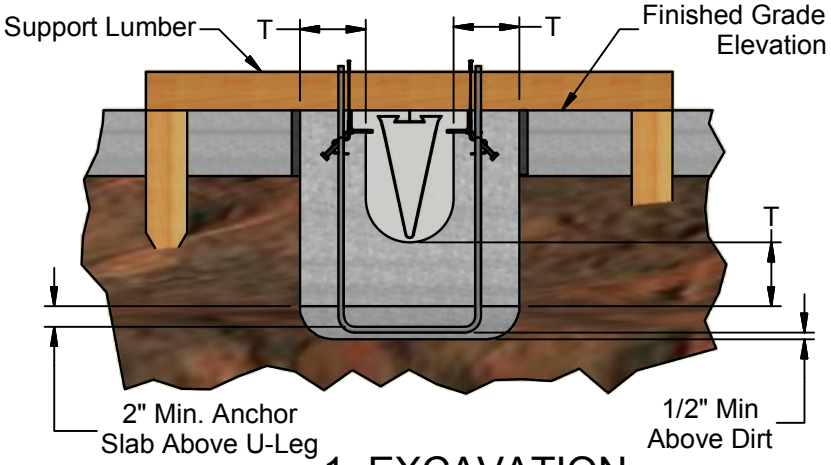
USEFUL OR REQUIRED TOOLS



COMPONENT IDENTIFICATION

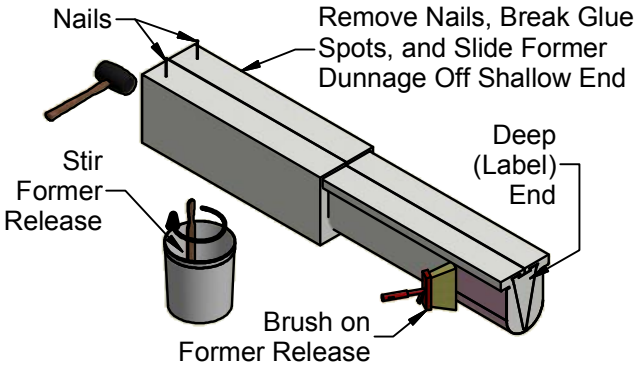


COMPONENTS	
ITEM	DESCRIPTION
1	Angle Frames/Rail
2	1803 Cast Leg Bracket
3	1803 Leg Bracket Foam Hole Plug
4	EPS Former
5	Rebar U-Leg
6	Leg Lock Screw
7	Thread Forming Screw - Ø5/16" x 7/8"
8	Cross Tie Wire
9	End Rail
10	Grate
11	Grate Lock Pins - Ø1/2" Clevis Pins
12	Fixed Lock Pin - Ø1/2" Concrete Anchor

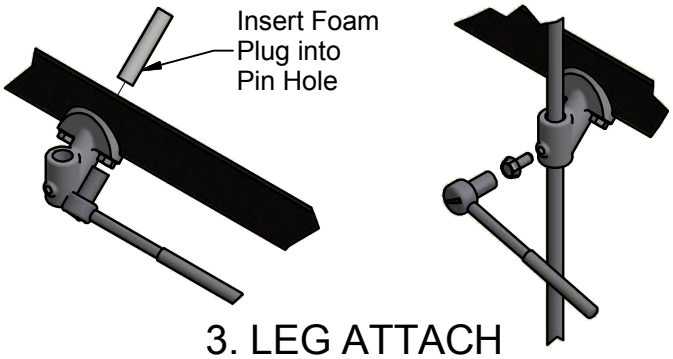


1. EXCAVATION

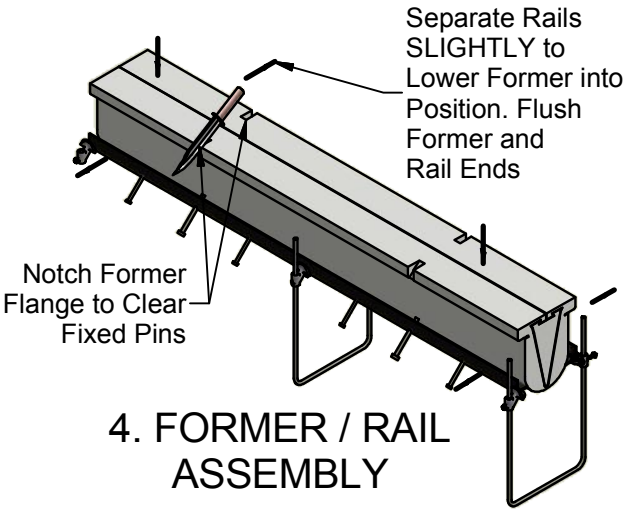
T = per Structural Specifications



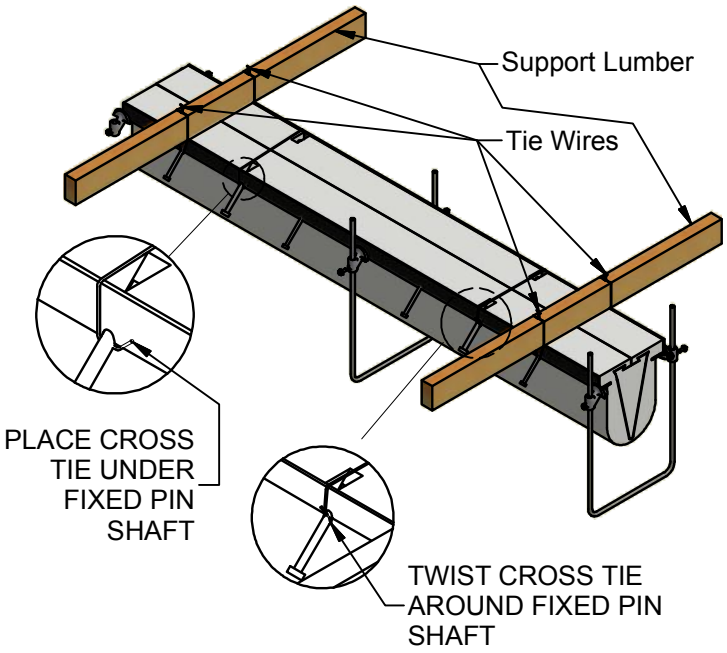
2. FORMER PREPARATION



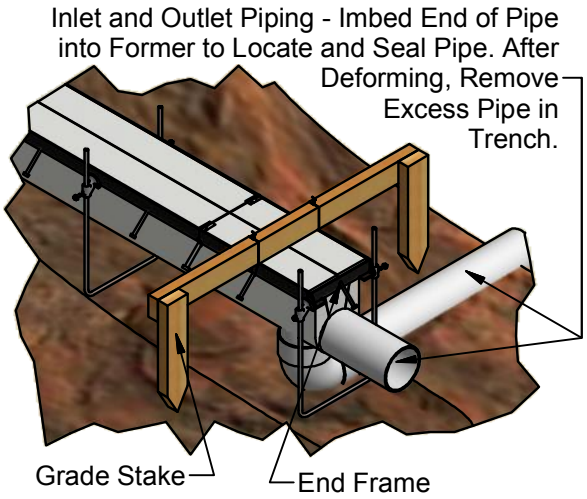
3. LEG ATTACH



4. FORMER / RAIL ASSEMBLY

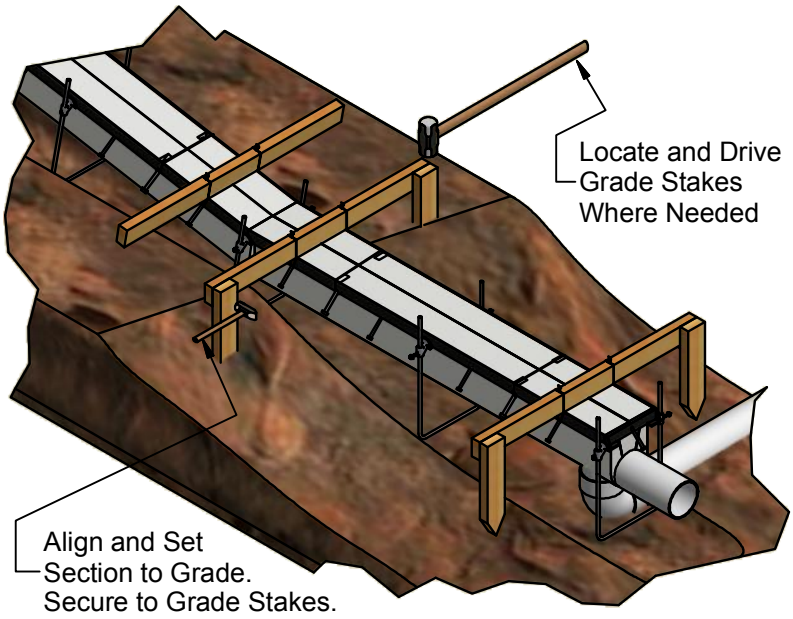


5. SUPPORT LUMBER ATTACH

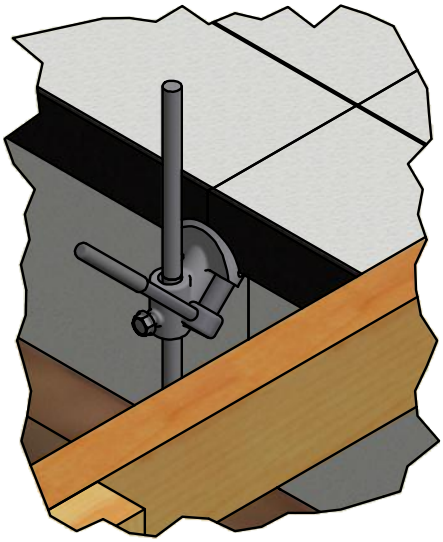


6. DISCHARGE PLACE & ALIGN

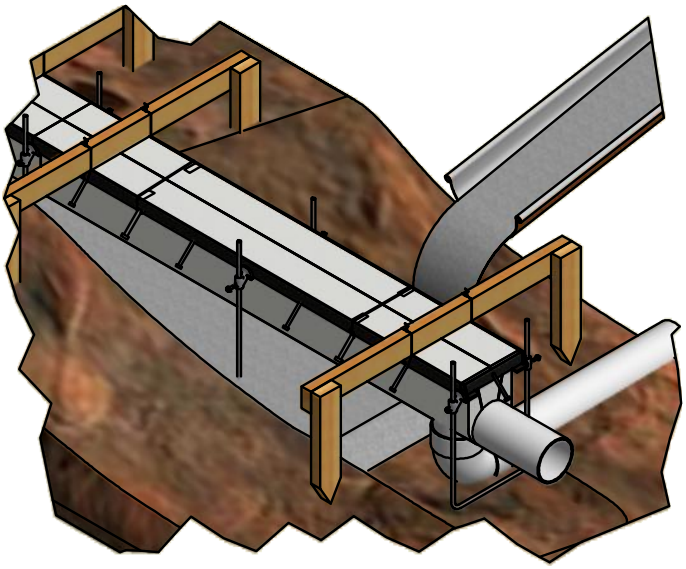
Locate and Align Outlet Channel First. Start at Deep End and Work to Shallow End



7. SECTION PLACE & ALIGN

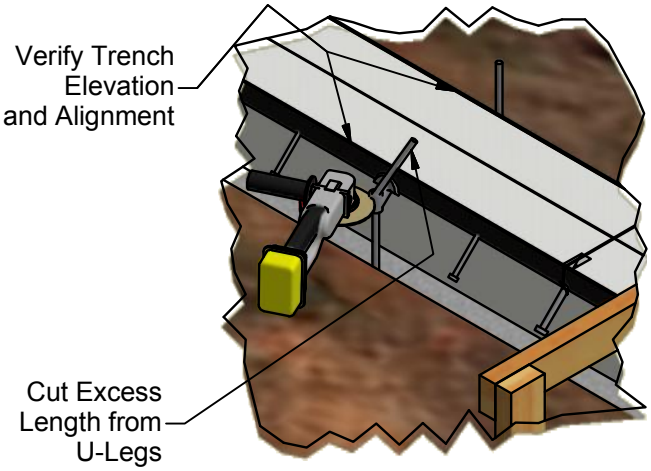


8. RAIL CONNECTION

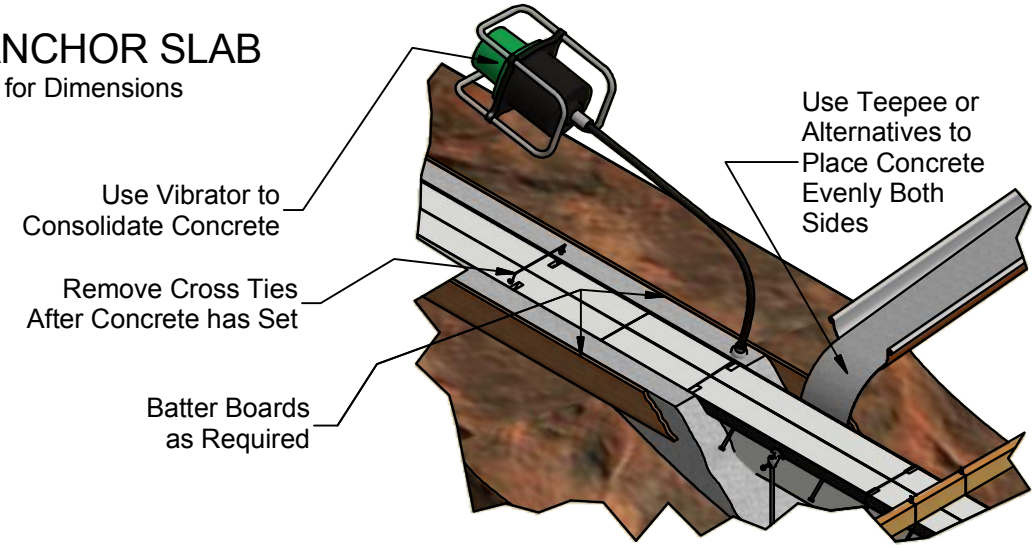


9. PLACE ANCHOR SLAB

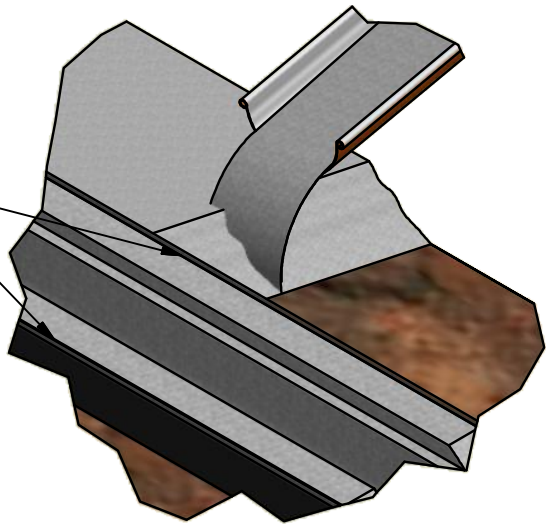
See Step 1 for Dimensions

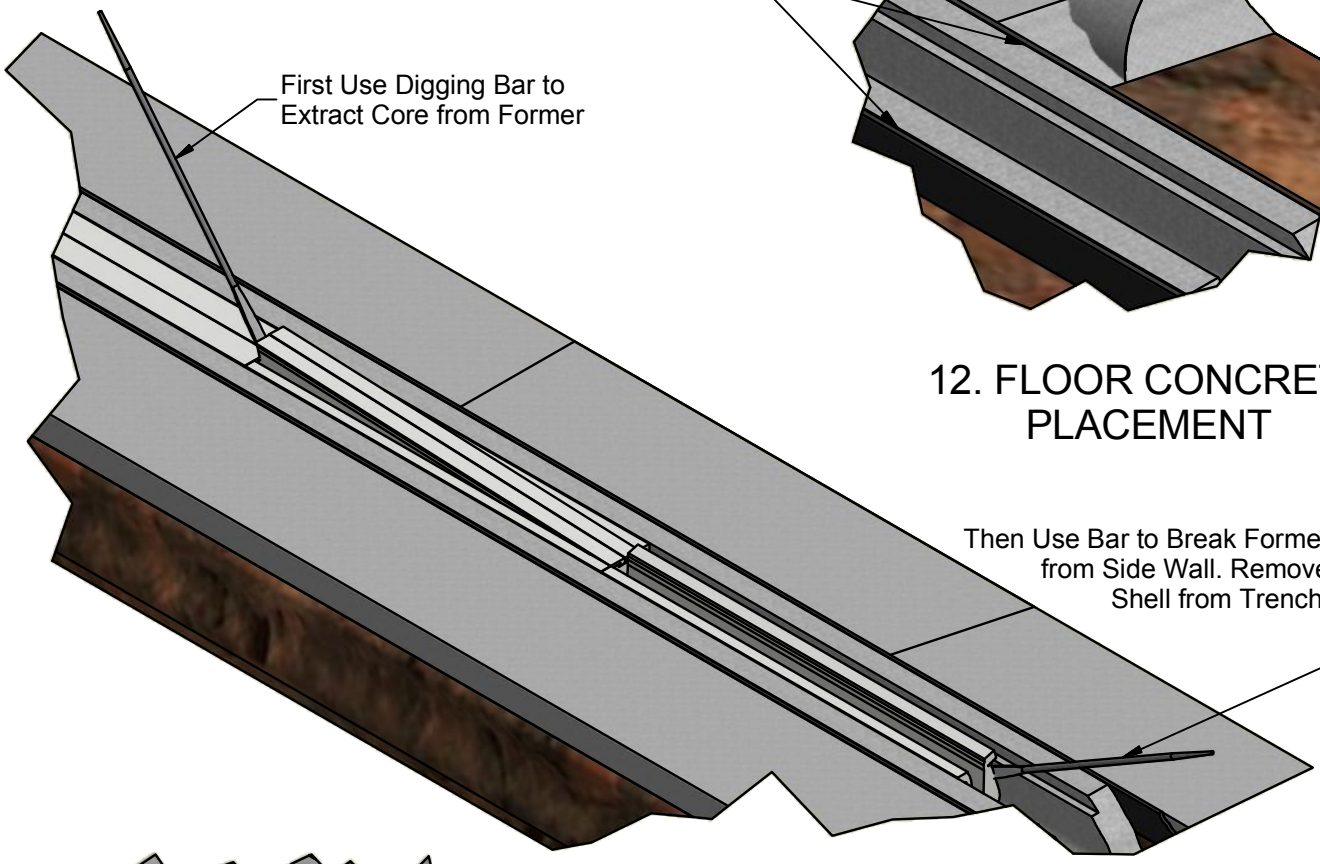


10. FINAL ALIGN & U-LEG TRIM



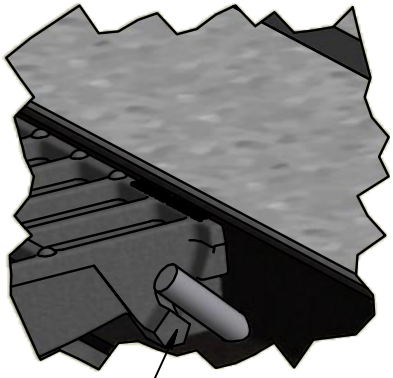
11. ENCAPSULATION CONCRETE PLACEMENT AND CONSOLIDATION

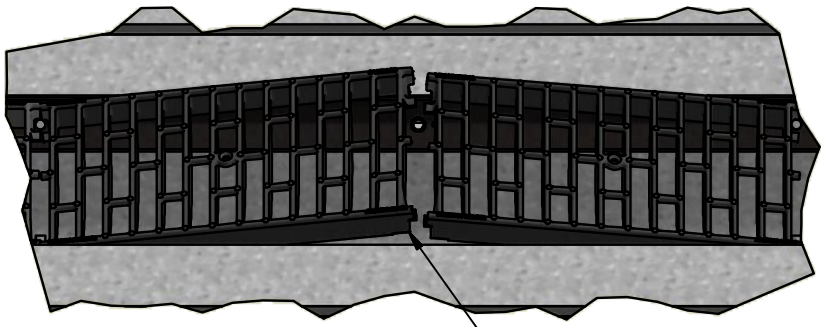


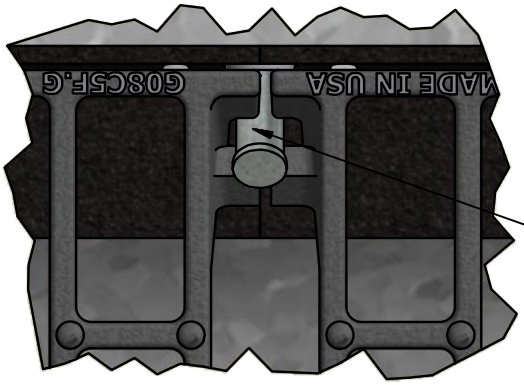


12. FLOOR CONCRETE PLACEMENT

13. FORMER REMOVAL







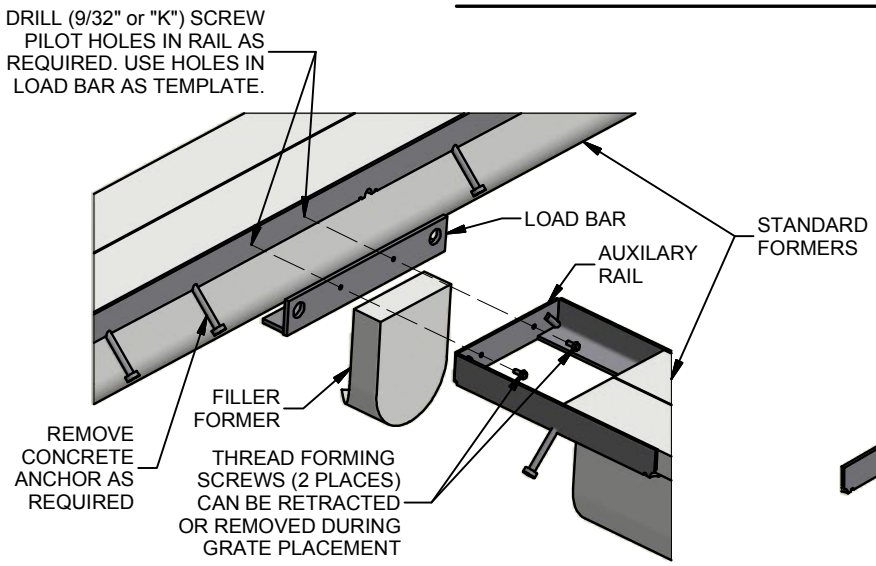
Hook Grate Under Fixed Pins

Pivot Grates to Seat on Rails

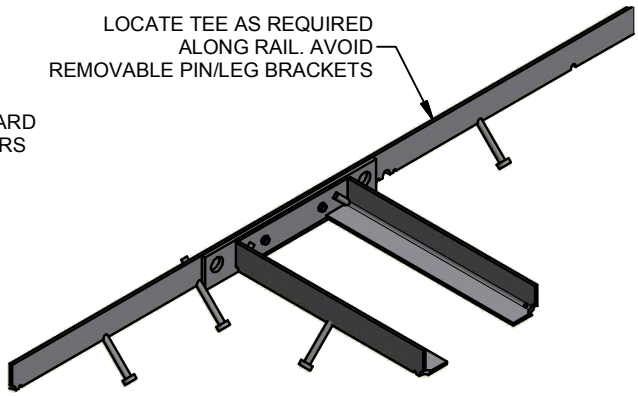
Use Cross Tie or Other Tool to Remove Foam Hole Plug from Pin Hole and Discard Plug. Insert Grate into Rails. Apply Water Proof Marine Grease (by Others) to Clevis Pins and Insert Clevis Pin into Leg Bracket to Retain Grates.

14. GRATE INSTALLATION

AUXILIARY RAIL USAGE

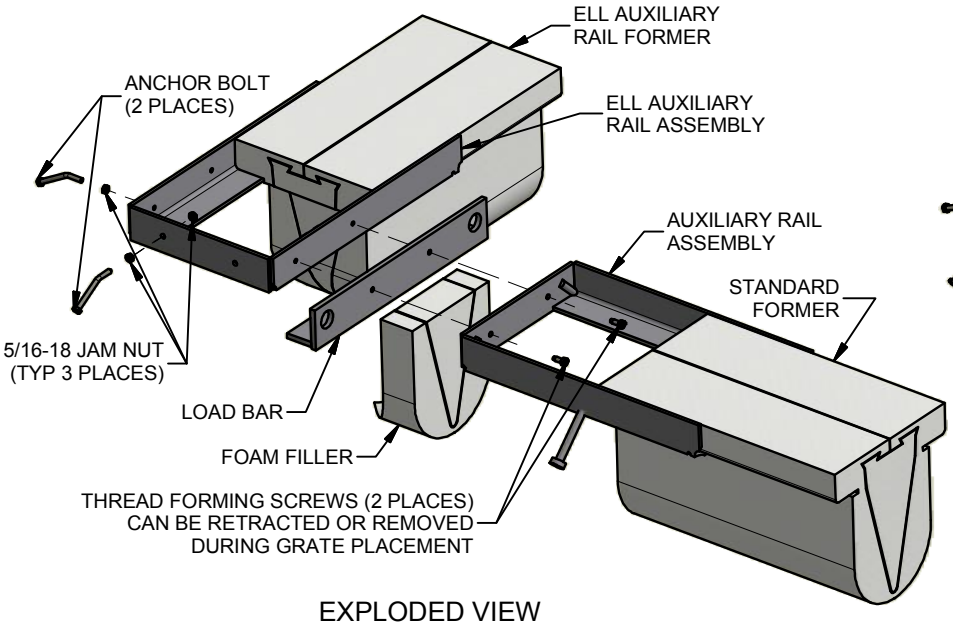


EXPLODED VIEW

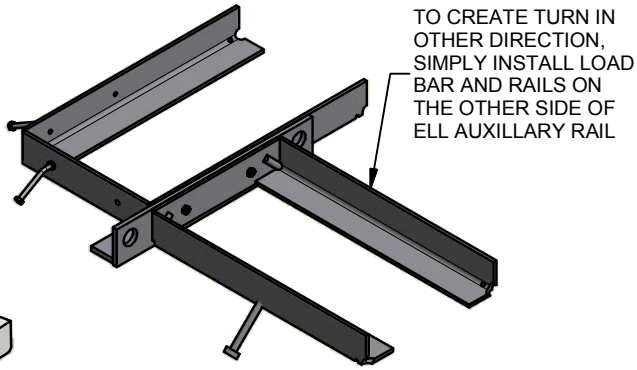


ASSEMBLED VIEW

TEE DETAIL

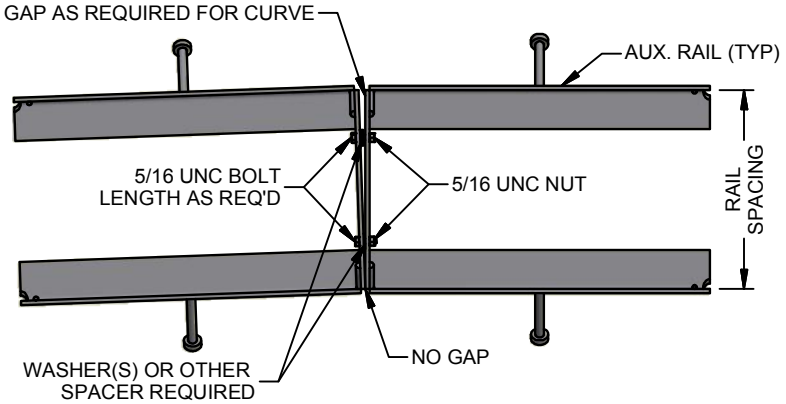


EXPLODED VIEW



ASSEMBLED VIEW

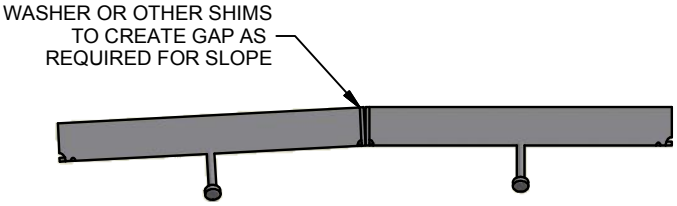
ELL DETAIL

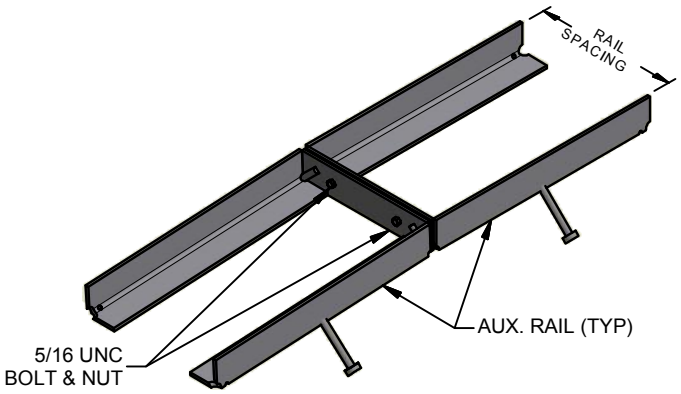


NOTES:
1. INSTALL ANGLE ASSEMBLIES AS OFTEN AS REQUIRED TO PREVENT TRENCH RAILS FROM DEVIATING BEYOND DESIRED AMOUNT FROM TRUE RADIUS.
2. FILL ANY GAP AT END OF FORMER WITH FOAM-IN-PLACE FOAM OR COVER GAP WITH TAPE PRIOR TO FORMER RELASE APPLICAION.
3. CALCULATE GAP PER ASSEMBLY IS AS FOLLOWS:
GAP (INCH) = SPACING BETWEEN ANGLE ASSEMBLIES (INCH) * RAIL SPACING (INCH) / CURVE RAIDUS (INCH).

SWEEP DETAIL

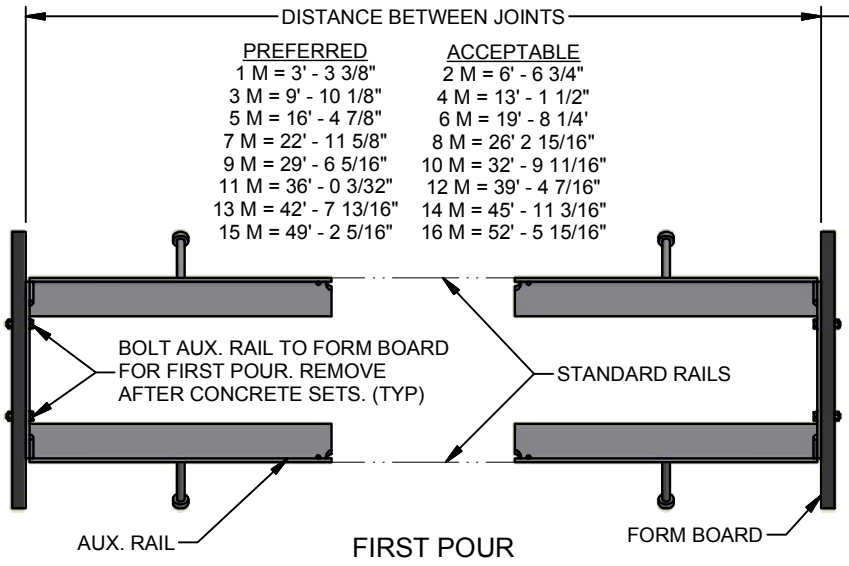
AUXILIARY RAIL USAGE



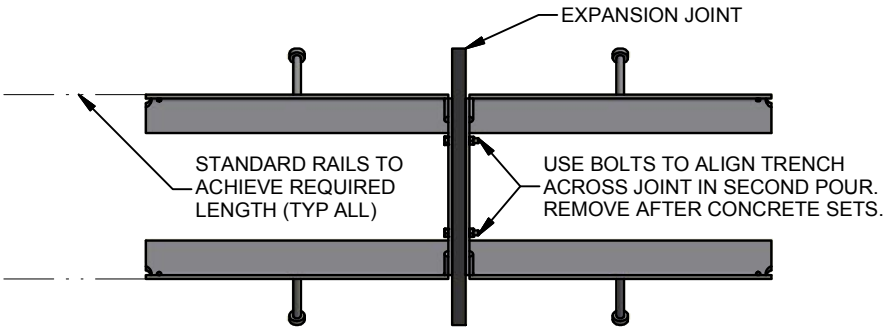


NOTES:
1. COORDINATE BREAK POINT OF SLOPE WITH POSSIBLE LOCATIONS OF AUXILLARY RAILS IN TRENCH RUN.
2. ADD OR REMOVE ESP FOAM AT END OF SECTIONS AT SLOPE BREAK AS REQUIRED.

SLOPE BREAK DETAIL

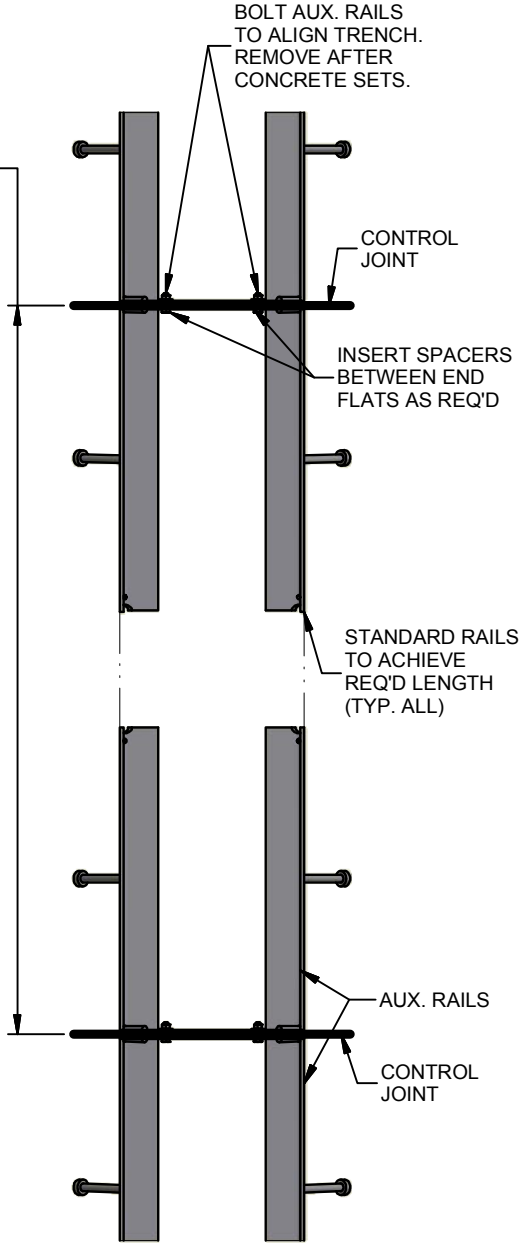


FIRST POUR



SECOND POUR

EXPANSION JOINT DETAIL



CONTROL JOINT DETAIL

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NOTES