



13 ANCHOR BOLT HOLES REQD. IN EACH END.
9.0" IN FROM THE CUT EDGE AND ON
18.0" CENTERS, BEGINNING AT INVERT C-L
IN BOTTOM HALF OF PIPE ONLY

- GENERAL NOTES:**
- Confirmation of cover - This structure is within the minimum and maximum allowable height of cover, for the designated loading, as follows:
Loading: HS-20 or _____ Minimum cover (FT) 2.75 Maximum cover (FT) 12.0
 - For proper bolt size usage, refer to following:

Plate only	2 plate lap	3 plate lap	4 plate lap
0.100" - 0.125" thk. plate	1-1/4"	1-1/4"	1-1/4"
0.150" - 0.200" thk. plate	1-1/4"	1-1/2"	N/A
0.225" - 0.250" thk. plate	1-1/2"	2"	N/A

 With Reinforcing Rib (if req'd) 1 plate

0.100" - 0.125" thk. plate	1-1/4"	1-1/2"	2"
0.200" - 0.250" thk. plate	1-1/2"	2"	2"

 *Occurs with full inverts only which have 0.100" thick plates
 - Nuts may be located on structure's interior or exterior to allow conventional access during assembly and torquing. Only one side of nut has a curved surface and it should be in direct contact with plate valley.
 - All plate laps and reinforcing ribs must be properly mated in a tangent fashion using proper alignment techniques and held in alignment by fasteners (finger tightened only). Before backfilling commences, all fasteners must be torqued for adequate component contact. Good component fit is better than high torque.
 - Fastener torque requirements: 0.100" thick plate at 90-115 foot-pounds. For all thicker plates and reinforcing ribs, torque at 115-135 foot-pounds. Torque levels are for installation, not residual, in-service requirements. Since torquing may loosen previously tightened fasteners, multiple passes may be necessary. When seam sealant tape is used, fasteners should be torqued again after 24 hours.
 - All aluminum structural plate material is manufactured in accordance with AASHTO M219 and ASTM B746 specifications.
 - See ASSEMBLY INSTRUCTIONS shipped with material in fastener container. Also refer to specific product catalog for additional product information.

FOR APPROVAL
APPROVED BY: _____
DATE: _____

DEVELOPED PLAN - NO SCALE
OUTSIDE SURFACE SHOWN

NO.	DATE	REVISION	BY	CHK.
NOTICE				
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CONTECH <small>CONSTRUCTION PRODUCTS INC. ANDERSON, S.C. 29625 (864)224-8837</small>	ALUMINUM STRUCTURAL PLATE PRODUCTS		<small>PLANT ORDER NO.</small> 10-8967
	<small>PROJECT IDENTIFICATION</small> WINTERSET, INC. VERMONT DOT PROJECT # F026-1(30) U.S. ROUTE 302 OVER CLARK HATCH BROOK CALEDONIA COUNTY, GROTON, VT		<small>SALES ORDER NO.</small> 17-0448-02
			<small>SALES REGION</small> 4317
			<small>BUYERS NO.</small> C 0205
			<small>DATE</small> 06/23/97
			<small>SCALE</small> NONE
			<small>SHT. OF</small> 1 1
<small>INLET/OUTLET</small> SIZE 14' 0" x 8' 7"	<small>TYPE STRUCTURE</small> PIPE ARCH	<small>PLATE THICKNESS</small> .125"	<small>NUMBER OF STRUCTURES</small> 1