



Department of Environmental Quality



To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Matt Mead, Governor

Todd Parfitt, Director

May 4, 2015

Shane Conley
Cretex Concrete Products
725 Bryan Stock Trail
Casper, WY 82601

RE: APPROVAL of Cretex's 1000-Gallon, Single-Compartment, Concrete Septic Tank for use in Wyoming.

Dear Mr. Conley:

The Water Quality Division (WQD) of the Wyoming Department of Environmental Quality (DEQ) has received the drawings and specifications for above referenced septic tank. The WQD evaluated this septic tank and determined that it basically meets the minimum requirements as identified in Chapter 25, Section 8 of the Wyoming Water Quality Rules and Regulations.

However, the inlet and outlet tees are not provided with this septic tank. DEQ's approval of this septic tank is contingent upon the proper installation of the inlet and outlet tees. **The septic tank inlet shall be provided with a tee. The outlet shall be provided with a tee that extends down at least 18 inches below the liquid surface level (i.e., outlet invert level) of the tank.**

This product will be placed on our list of approved septic tanks for use in Wyoming. The table below summarizes the dimensions and for Cretex's 1000-gallon, concrete septic tank.

Outside Dimensions (L x W x H)	104" x 56" x 86"
Maximum Cover Burial Depth	4 feet
Access Openings	Two 20-inch squares
Inlet / Outlet Height Difference	3 inches
Liquid Level (LL) Depth	58 inches
Clearances for scum and venting	14 inches total

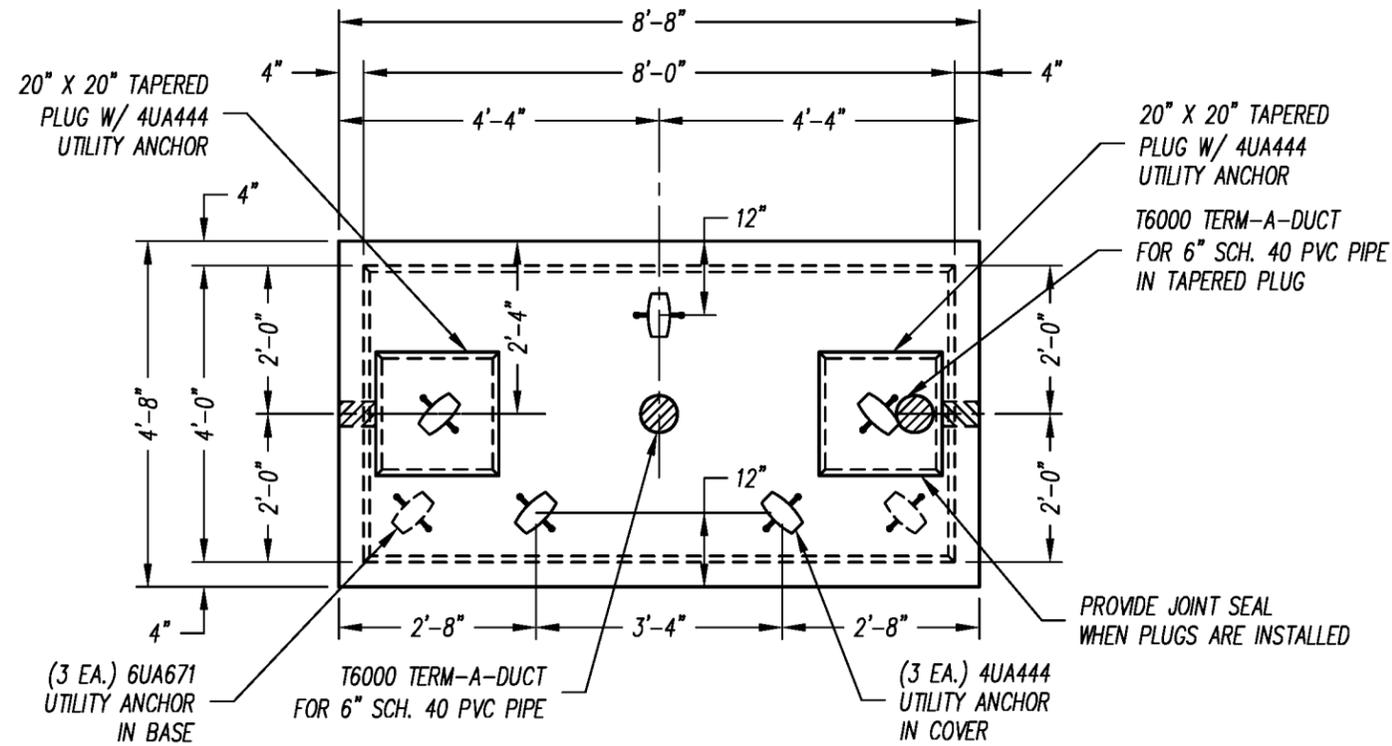
Sincerely;

James Brough, P.E.
Northwest District Engineer
Water Quality Division

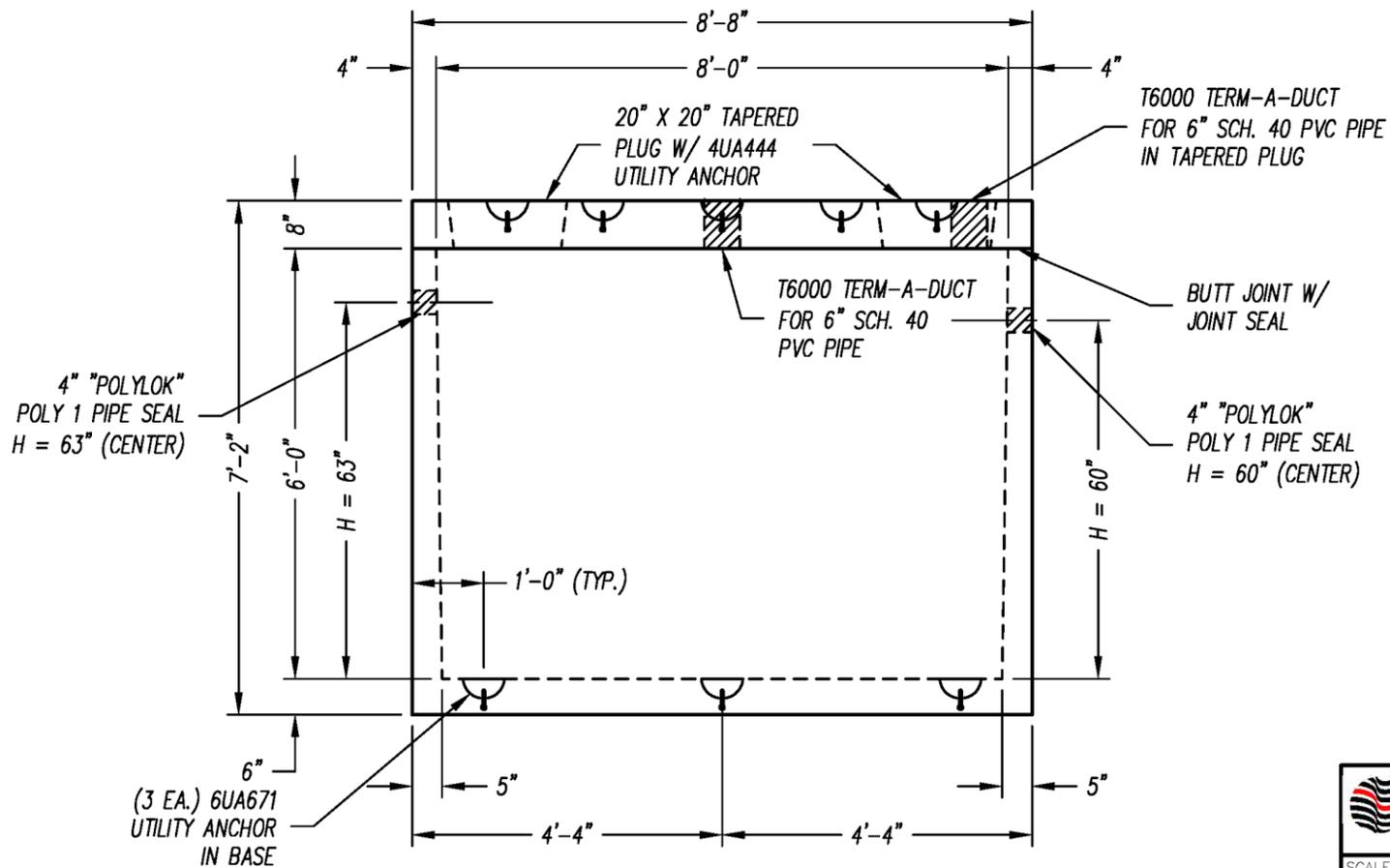
Cc: DEQ Water & Wastewater Section (PDF)

Encl: Submitted Septic Tank Drawings





PLAN VIEW



ELEVATION VIEW

MATERIAL LIST	
ITEM	QTY.
T6000 TERM-A-DUCT	2
4" POLYLOK POLY 1	2
JOINT SEALANT (1" X 14.5')	3

SEE SHEET "1000 SEPTIC TANK CVR" FOR COVER REINFORCING AND TAPERED PLUG DETAILS

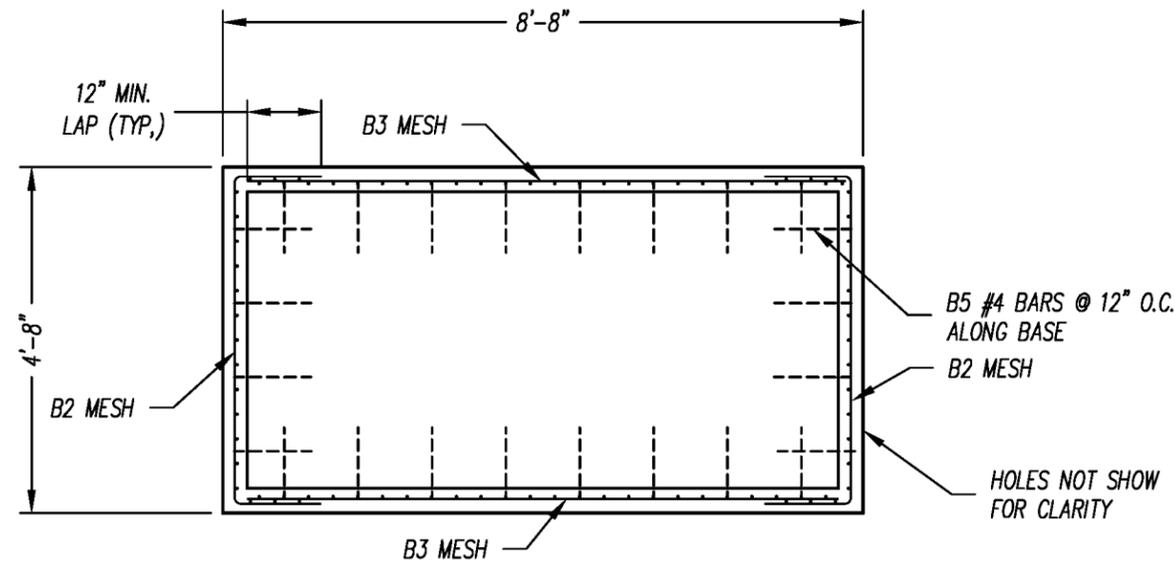
1 STRUCTURE REQUIRED

COVER WEIGHT = 4,000 LBS
TANK WEIGHT = 11,600 LBS

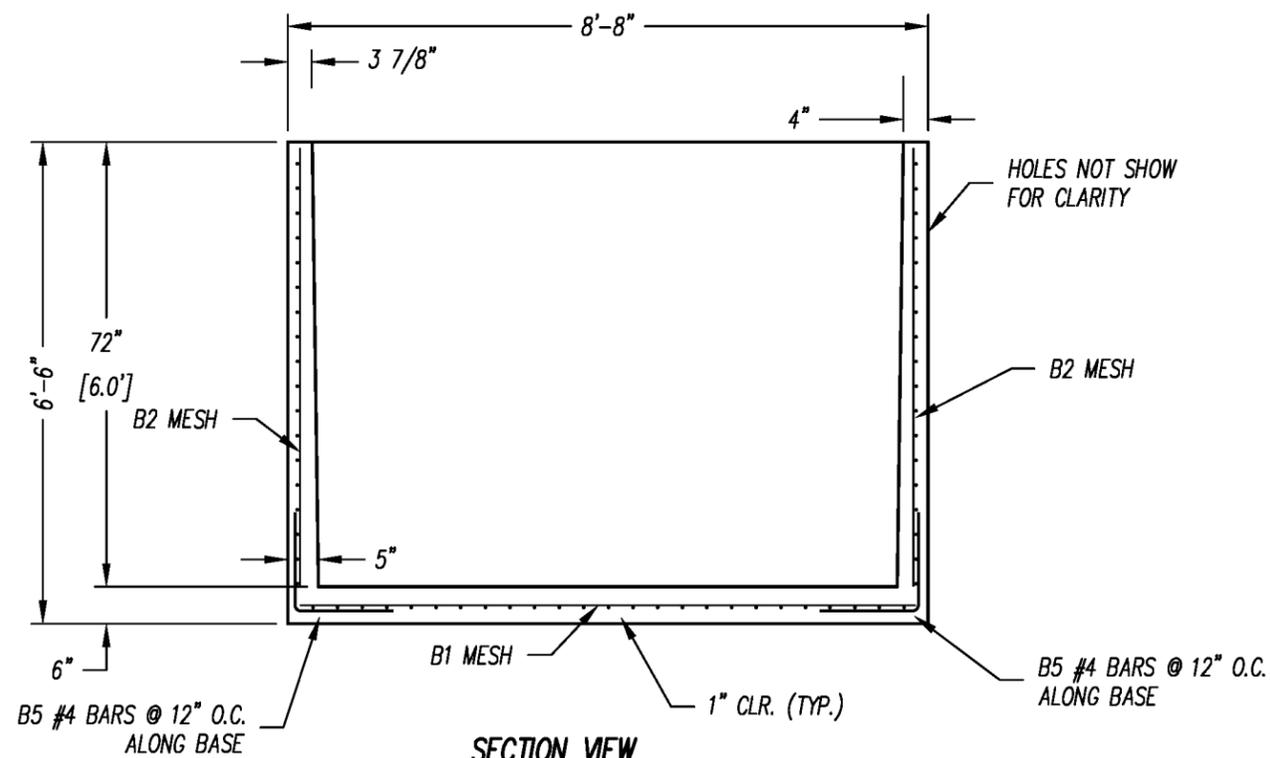
	OFFICES IN:	
	BISMARCK	HELENA RAPID CITY
SCALE: NONE	TITLE: 1000 GAL SEPTIC TANK	
DATE: 4/8/11	DR'N BY: TDE	
REV DATE: -	DWG NAME: 1000 SEPTIC TANK	

- NOTES:**
1. REINFORCING TO BE ASTM A-615 GRADE 60, Fy = 60,000 PSI (BAR)
 2. CONCRETE TO BE 4500 PSI 28 DAY COMPRESSIVE STRENGTH.

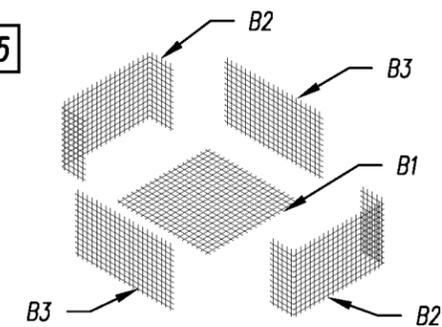
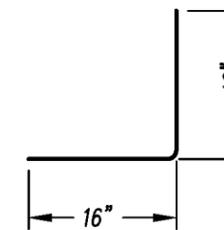
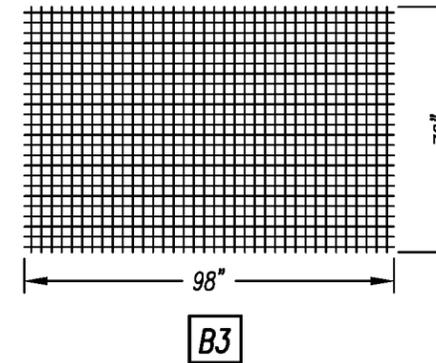
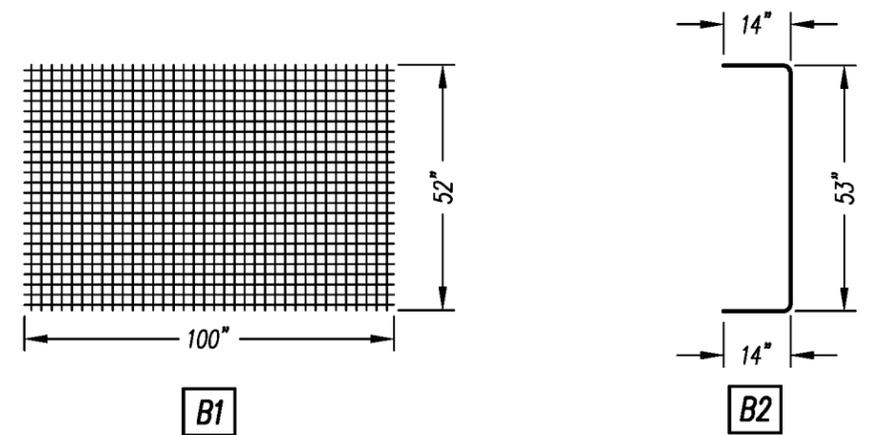
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PLAN VIEW



SECTION VIEW



REINFORCING LAYOUT VIEW

REINFORCING SCHEDULE						
MARK	QTY.	MESH/BAR SIZE	LENGTH	WIDTH	WEIGHT	REMARKS
B1	1	4X4 D9.5 / D9.5	8'-4"	4'-4"	70 LBS	STRAIGHT
B2	2	4X4 D9.5 / D9.5	6'-9"	6'-0"	158 LBS	BENT
B3	2	4X4 D9.5 / D9.5	8'-2"	6'-0"	190 LBS	STRAIGHT
B5	24	#4	2'-8"	-	43 LBS	BENT

Cretex
Concrete Products
West, Inc.

OFFICES IN:
BISMARCK HELENA RAPID CITY

SCALE: NONE TITLE: 1000 SEPTIC TANK REINFORCING DETAILS

DATE: 6/20/11

DR'N BY: TDE

REV DATE: - DWG NAME: 1000 SEPTIC TANK REINF

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NOTES:
1. REINFORCING TO BE ASTM A-615 GRADE 60, $F_y = 60,000$ PSI (BAR)
 $F_y = 65,000$ PSI (MESH) UNLESS NOTED OTHERWISE.