Department of Environmental Quality

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

Dave Freudenthal, Governor

John Corra, Director

February 26, 2008

J&D Precast, Inc.
Attn: Jerry Olson, President
P.O. Box 1097
Rapid City, SD 57709

RE: Review of Septic Tank Specifications for Inclusion or Non-inclusion on the:
Wyoming APPROVED SEPTIC TANK List

Dear Mr. Olson:

The Water Quality Division (WQD) of the Wyoming Department of Environmental Quality (DEQ) has received and reviewed the specifications for the several different sizes and designs of concrete septic tanks submitted. The WQD finds that the following tanks meet all of the minimum design and specification requirements as identified in Chapter 11, Section 39 of the Water Quality Rules and Regulations. These tanks, which follow here, will be included on the **"A-List"** of the Approved Septic Tank list:

APPROVED for use in Wyoming:

1000 gallon, Single compartment concrete septic tank,
1000 gallon, Two compartment concrete septic tank, and
1500 gallon, Two compartment concrete septic tank.

Please note that the "A-List" of the approved list contains the following requirement for all tanks, "Septic Tank Clean-Out Riser Requirement - Either a 6-inch diameter clean-out riser or the manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks."

The following tanks are **NOT APPROVED** for use in Wyoming because they do not meet all of the minimum requirements of Chapter 11, Section 39. Specifically, they are all single compartment tanks with a length to width ratio of less than 2 to 1 ($l/w < 2.0$). Additionally, these tanks can not be placed on the **"B-List"** either, which is only for "Shallow" tanks (i.e. – tank liquid depths between 36" and 48"), and must also be two compartment tanks. The following tanks are:

NOT APPROVED for use in Wyoming:

1500 gallon, Single compartment concrete septic tank - l/w = 1.35 << 2.0, No Good (NG)
2250 gallon, Single compartment concrete septic tank - l/w = 1.60 < 2.0, NG
4200 gallon, Single compartment concrete septic tank - l/w = 0.93 < 1.0, sideways – NG

J&D Precast also submitted 1000 & 1500 gallon grease interceptor tanks for review. The WQD does not pre-approve grease interceptors or have a list of approved grease interceptor tanks as it does for septic tanks. However, without a detailed review, it appears that these tanks could probably (emphasize PROBABLY) be used as grease interceptors if plumbed and baffled in the correct way.

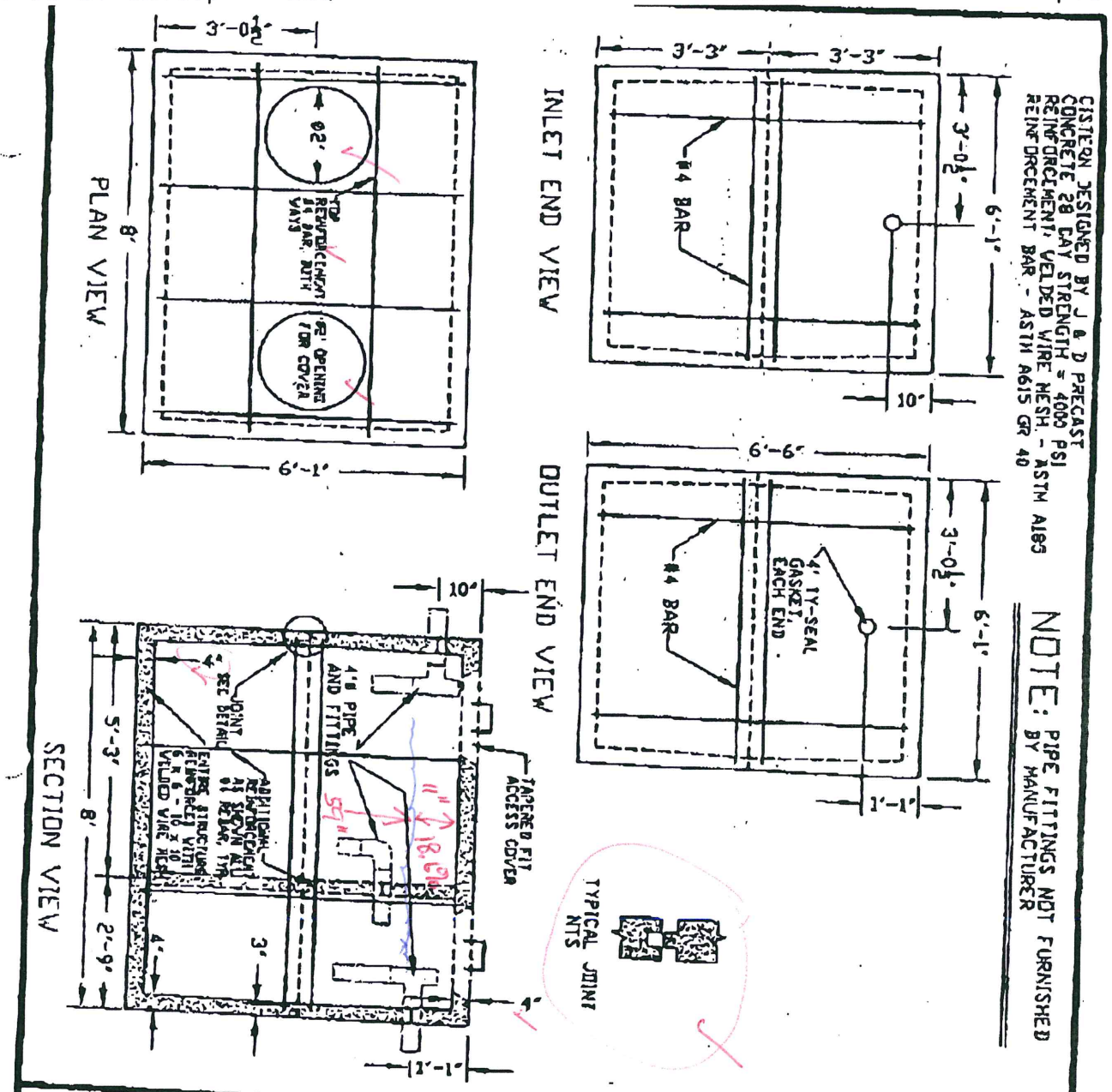
If you should have any other questions please call me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Consulting Engineer
SE District, Water Quality Division

RLE/rm/8-0144

cc: Septic Tank Status File
Lou Harmon, Program Manager, W&WW Section, WQD
Karen Farley, NE District Supervisor, WQD
James Brough, NW District Supervisor, WQD
Mark Baron, SW District Supervisor, WQD
Perry Roberson, SW District Consulting Engineer, WQD



SUNDANCE ENGINEERING, INC SPEARFISH, SD 57783 ENGINEERING DESIGN & CONSULTING	CONCRETE TWO COMPARTMENT SEPTIC TANK, 1500 GAL. CAP.
DRAWN BY TH APPROVED	CUSTOMER: J & D PRECAST
TRACED SCALE 3/8" = 1'-0"	
CHECKED DATE 3-21-05	DWG. NO. J&DP2005-22

Vol = 7⅓' × 5.42' × 4.92'
× 7.5 gal = 1465 gal