ON-SITE WASTE DISPOSAL PERMIT

COUNTY OF JOHNSON - STATE OF WYOMING

PERMIT NO. 844 AMOUNT $ 150.00

This is to certify that the individual sewage disposal system located at 8 Funny Bird Ln.
Subdivision

Lot #8 Block _____ Constructed for

JACOB HATCH.

installed by Diamond Point Const. date 5/31/06

has been designed, constructed, and installed in compliance with the minimum requirements of Johnson County Regulations. These regulations meet minimum requirements of D.E.Q. and this certificate does not warrant or otherwise guarantee the continued performance of this system.

Rick Sanford
Johnson County Sanitarian

Johnson County Health Officer

Dated this 31 day of May, 2006.

APPLICATION FOR INDIVIDUAL SEWER DISPOSAL SYSTEM

JOHNSON COUNTY COURT HOUSE BUFFALO, WYOMING 82834 (307) 684-7102

OWNERS NAME JACOB HATCH DATE:

MAILING ADDRESS: P.O. Box 269 Buffalo, Wy 82834 HOME PHONE NUMBER (307) 620-0282

LOCATION OF FACILITY 8 WORK PHONE NUMBER (307) 620-0201

ADDRESS AT SITE 8 Funny Bird Lane

SUBDIVISION Diamond Cross LOT 8 BLOCK:

SINGLE FAMILY HOME Yes NO. OF BEDROOMS 4 FINISHED BASEMENT: Yes

MULTIPLE FAMILY DWELLING TOTAL NO. OF BEDROOMS 4 LAUNDERY AREA INCLUDED Yes

OTHER NON-COMMERCAL USE DESCRIBE OTHER USE

WATER SUPPLY: MUNICIPAL PRIVATE WELL

LOT SIZE: 5 Acres LOT AREA:

GROUND SLOPE: SOIL TYPE: SANDY

PERCOLATION TEST RESULTS min. per inch

(1) : (2) : (3) : (4) : (5) : (6) :

DEPTH TO SEASONAL HIGH WATER TABLE > DEPTH TO BEDROCK OR IMPERVIOUS LAYER >

HOW WERE THESE DETERMINED None found In test Holes or Drilling Well

SEPTIC TANK MANUFACTURER: J&D PRECAST

LIQUID CAPACITY: DIMENSIONS: (W) (L) : (D) : MODEL:

TANK MATERIAL: CONCRETE INLET AND OUTLET TYPE: BAFFLED

BED: TRENCH:

BED DIMENSIONS: (W): (L): TRENCH CONFIGURATION: (No.): (W) : (L) :

DEPTH OF GRAVEL BELOW PERF. PIPE: INFILTRATIVE SURFACE PROVIDED: Sq. Ft. Sq. Ft.

DEPTH FROM BOTTOM OF TRENCH TO THE GROUND SURFACE: GRAVEL SIZE:

DESCRIPTION OF "OTHER" SYSTEM:

I certify that the information included in this application is correct and true to the best of my knowledge. I will install and construct the system in accordance with the regulations governing sewage systems in Johnson County. I will also notify the sanitarian when the system is ready for final inspection, prior to covering.

APPLICANTS SIGNATURE: Jacob L. Hatch DATE: 5/17/06

I have inspected the system described in this permit and it has been constructed inaccordance with the County small wastwater regulations. The system is now authorized to be covered up. Passage of final inspection does not guarantee that the system will function properly.

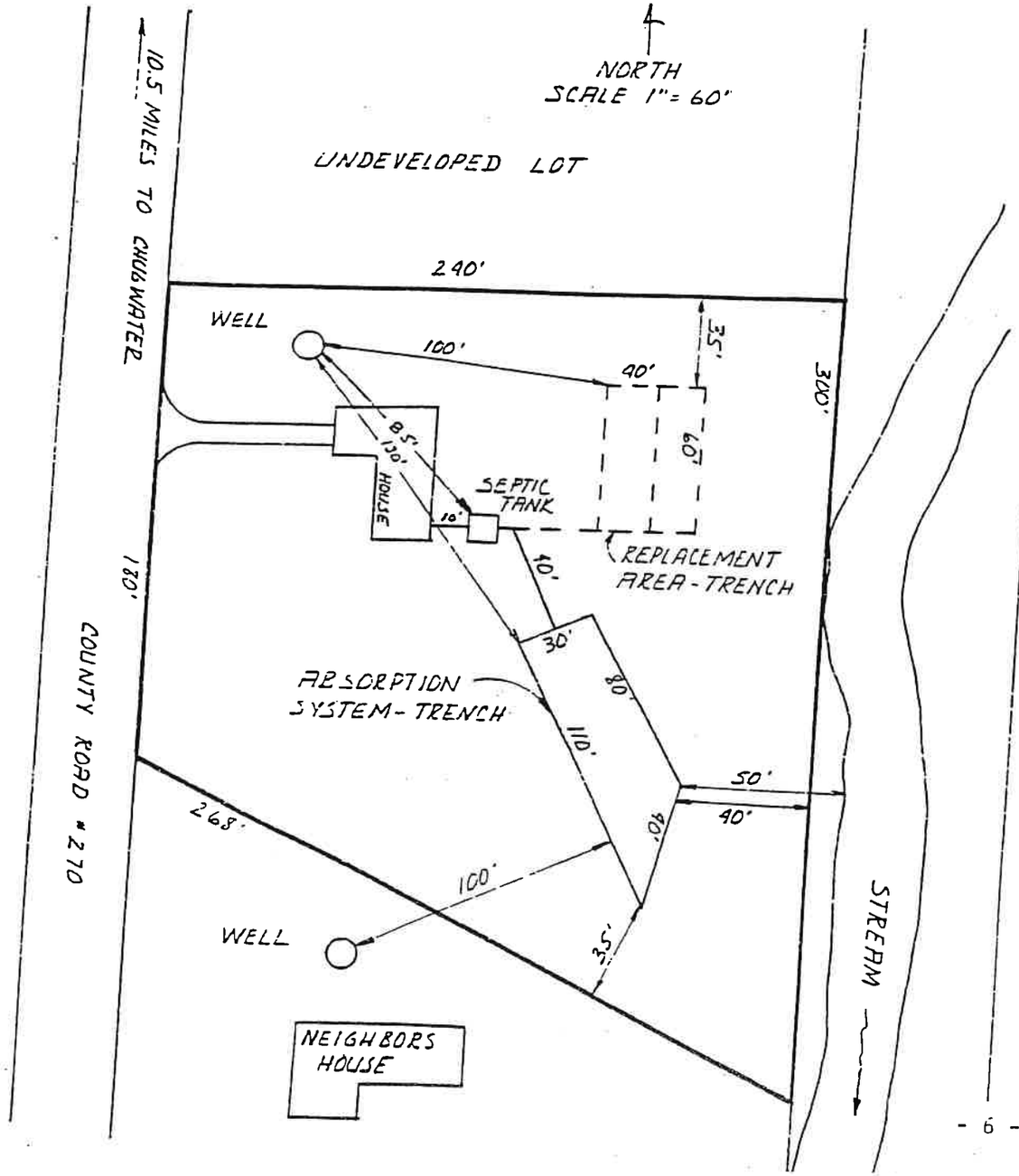
SANITARIAN/ SMALL WASTWATER PROGRAM ADMINISTRATOR: Rick Sanfee DATE: 5/31/06

Diamond Point Const.

Inspected 5/31/06

150.00 Inspection fee

EXAMPLE OF PLAN SHEET



YOUR DESIGN

F. ☐ This symbol will be found on the plan detail sheets. This sy requires that you fill in information or dimensions that appl your specific design. Most of this information can be obta from the blanks you just filled out. Now go and complete detail sheets that are applicable to your system.

G. Installer

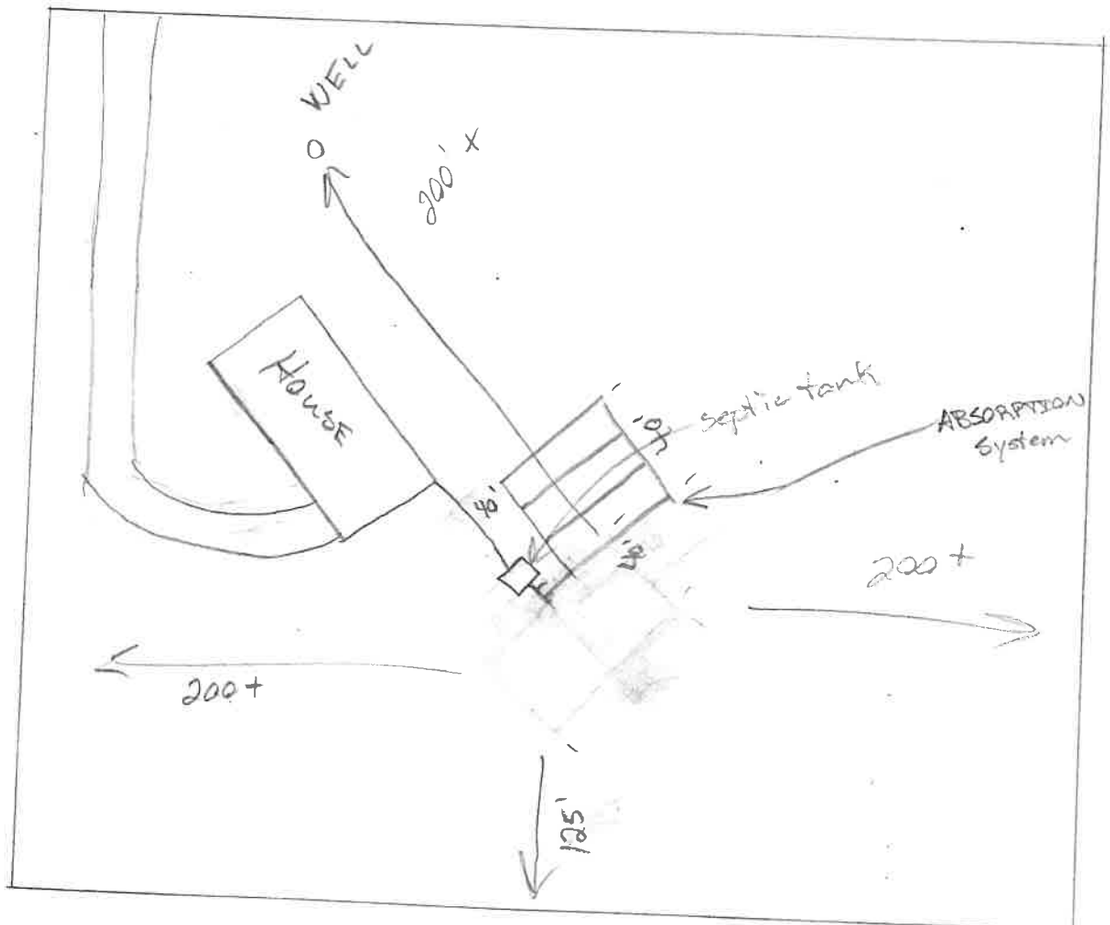
Agent or Contractor DIAMOND POINT CONST.

Mailing Address P.O. Box 269 Buffalo, Wy 82834 Phone 620-0201
(Street or P. O. Box, City, County & State)

Location of Business 606 Comanche Lane Buffalo, Wy 82834
(Street, City, County & State)

H. Remarks (to include description of unusual site conditions or limit tions, reasons for varying from the standard regulations, speci requests, etc.)

Funny BIRD LANE



Professional Engineer (Civil) & Land Surveyor
WILLIAM A. MENTZ
3884
WYOMING
Date 5/9/06

GENERAL NOTES

1. Septic tanks shall have the following minimum separation distances:
   5 ft. from dwelling
   50 ft from any water well
   50 ft. from waterways
   25 ft. from water lines
   10 ft. from property lines

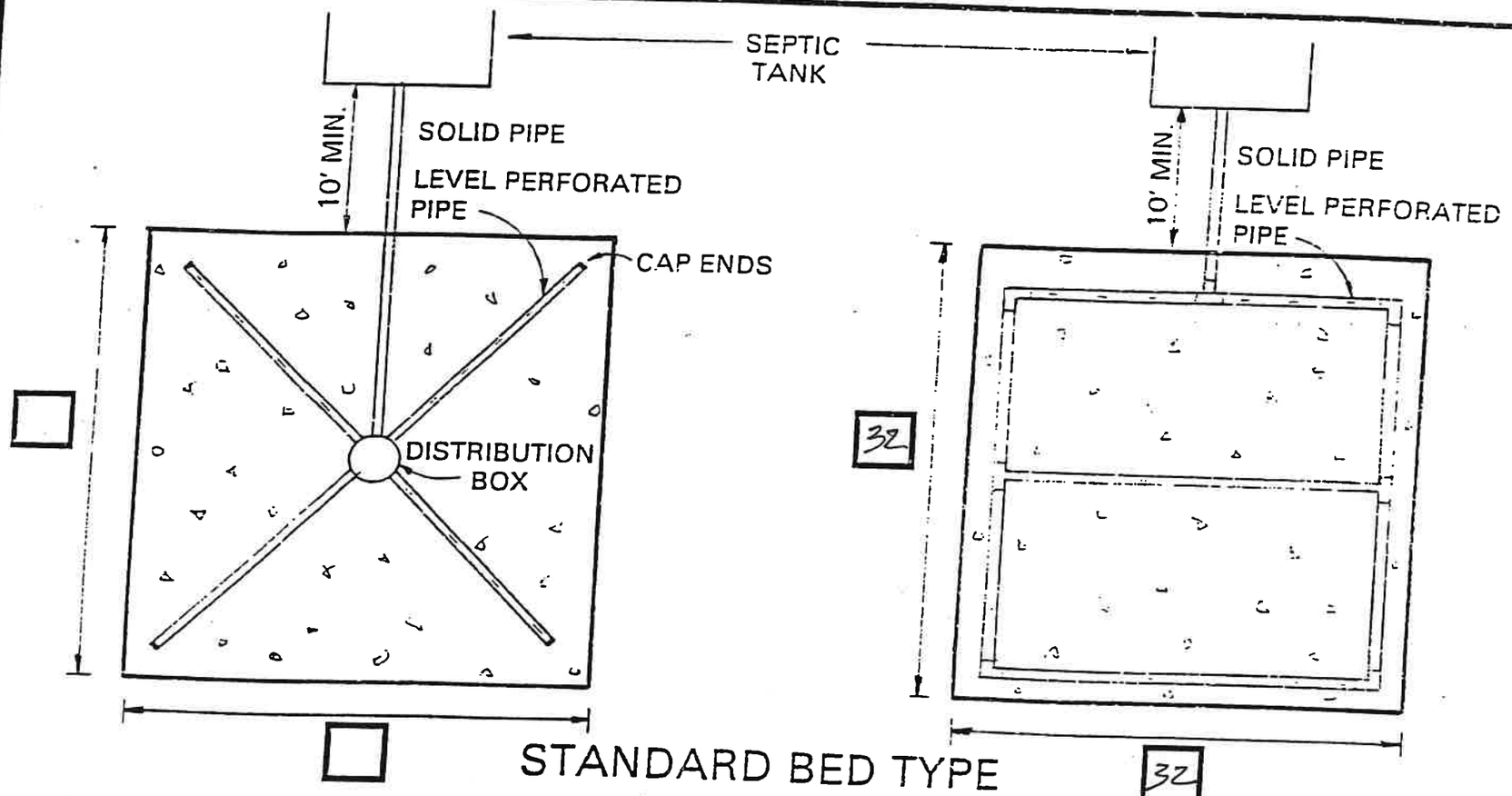
2. Disposal field must meet the following minimum seperation distances:
   100 ft. from any water well
   50 ft. from waterways
   25 ft. from drinking water lines
   10 ft. from dwelling or building
   10 ft. from septic tank
   10 ft. from property lines

3. All methods and materials used in septic system construction shall conform to the Wyoming Department of Environmental Quality, Water Quality Rules and Regulations, Chapter XI.

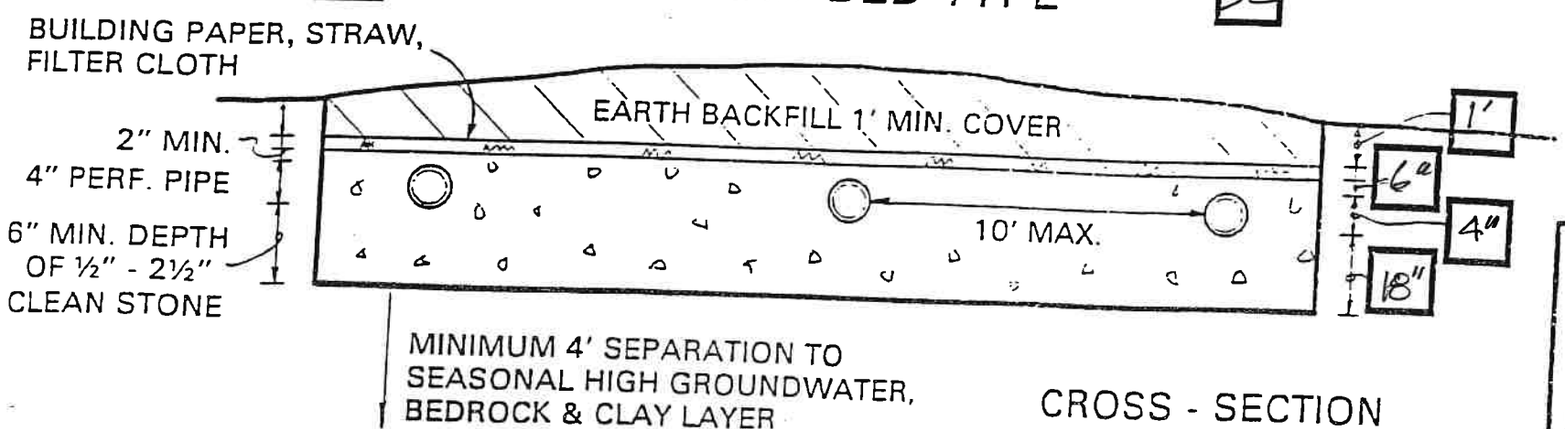
PLAN SHEET

REVIEWED BY:

DATE OF AUTHORIZATION:



STANDARD BED TYPE



CROSS - SECTION

General Notice

1. This is a standard bed type soil absorption field detail sheet. Please modify to meet your specific situation

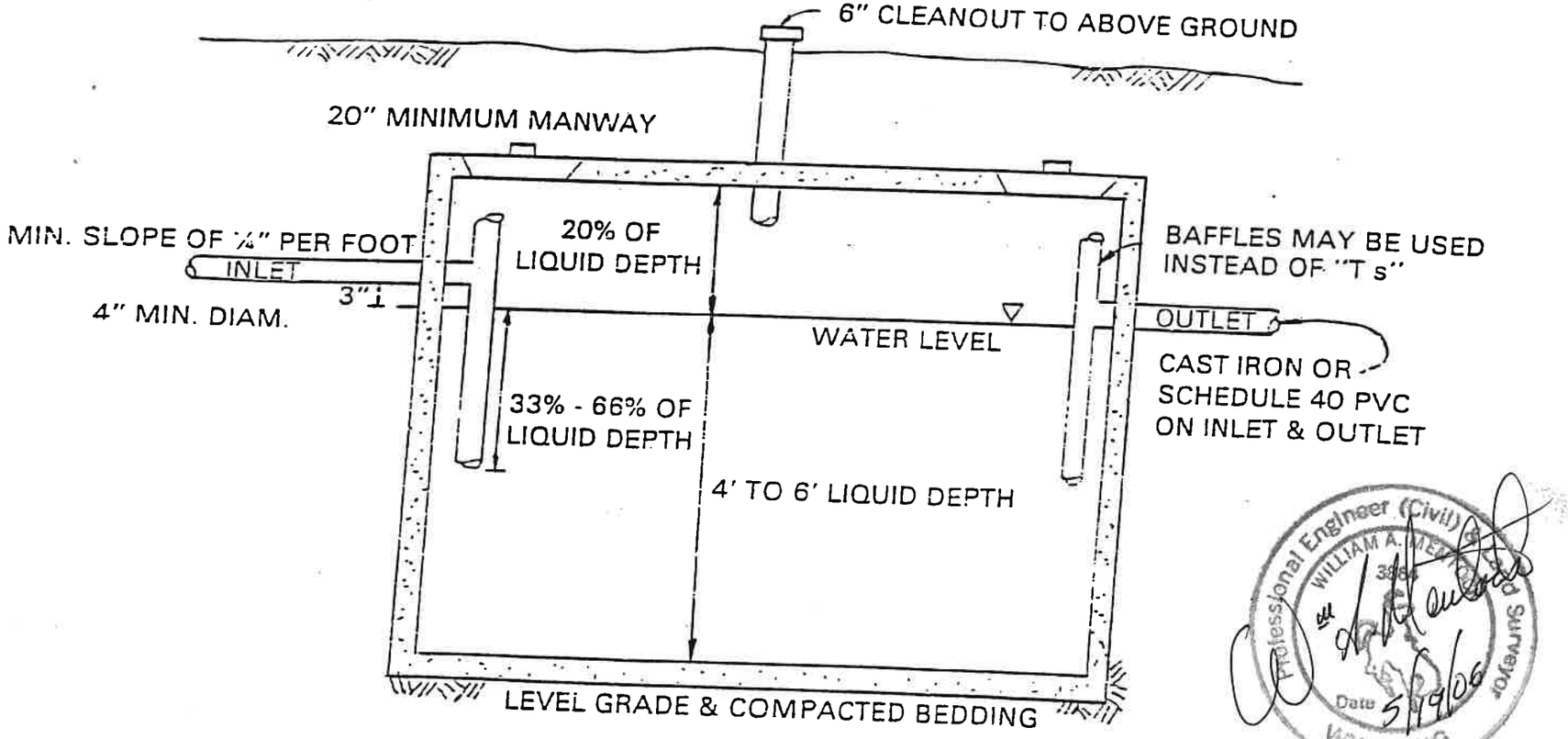
   Where ☐ is shown, place the dimensions of your system

2. The distribution box shall have a means of access and be water tight. The inlet shall be ½-inch above the outlet. The outlets shall be at the same level.
3. The stone shall be covered with straw, building paper, filter cloth or equivalent. Water proof material is pronibited.
4. The minimum infiltrative surface area (sum of the bed bottom and sidewalls below the invert of the distribution pipe) can be determined from Section D.3. of the Design Information Sheet.
5. A minimum 4 foot separation shall be maintained between the bottom of the bed to the seasonal high groundwater level, bedrock, or clay layer.
6. All plastic gravity perforated pipe must conform to ASTM Standard D2729.

Professional Engineer (Civil) & Land Surveyor
WILLIAM A. MARTIN
38[illegible]
Date 5/9/06
VENTURA

STANDARD BED TYPE SOIL ABSORPTION SYSTEM DETAIL SHEET

REVIEWED BY:



PROFILE VIEW

☐ THE DIMENSIONS OF MY TANK ARE

____ FT. LONG BY ____ FT. WIDE BY ____ FT. DEEP

WITH A LIQUID DEPTH OF ____ FT.

General Notes

1. This is a standard septic tank detail sheet. Please modify to meet your specific situation.

   Where a ☐ is shown, place the dimensions of your system.
2. The septic tank shall be constructed of durable material not subject to excessive corrosion or decay and structurally capable of supporting the loads to which it will be subjected.
3. The septic tank shall be watertight.
4. Minimum liquid volume of septic tanks shall be 1,000 gallons for residences through four bedrooms. Additional capacity of 250 gallons per bedroom shall be provided for each bedroom over four.
5. The septic tank shall have length to width ratio of not less than two to one, or be partitioned to protect against short circuiting. If partitioned, the volume of the first compartment must be at least 50% of the total required volume.
6. A manway access shall be provided to each compartment. Inlet and outlet devices must be accessible. A cleanout shall also be provided to each compartment and must extend to the ground surface and be capped.

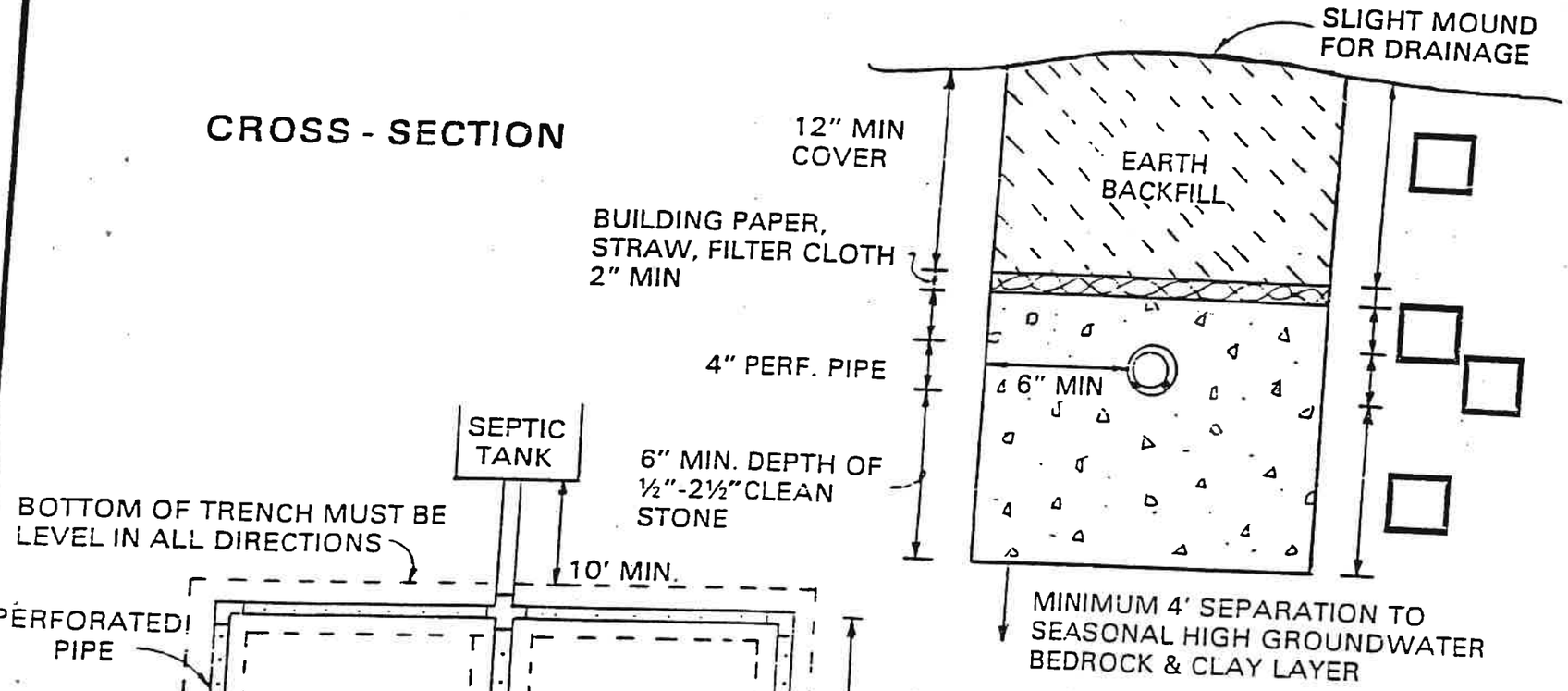
Professional Engineer (Civil) WILLIAM A. MEAD 3356 Registered Surveyor Date 5/19/06 WYOMING

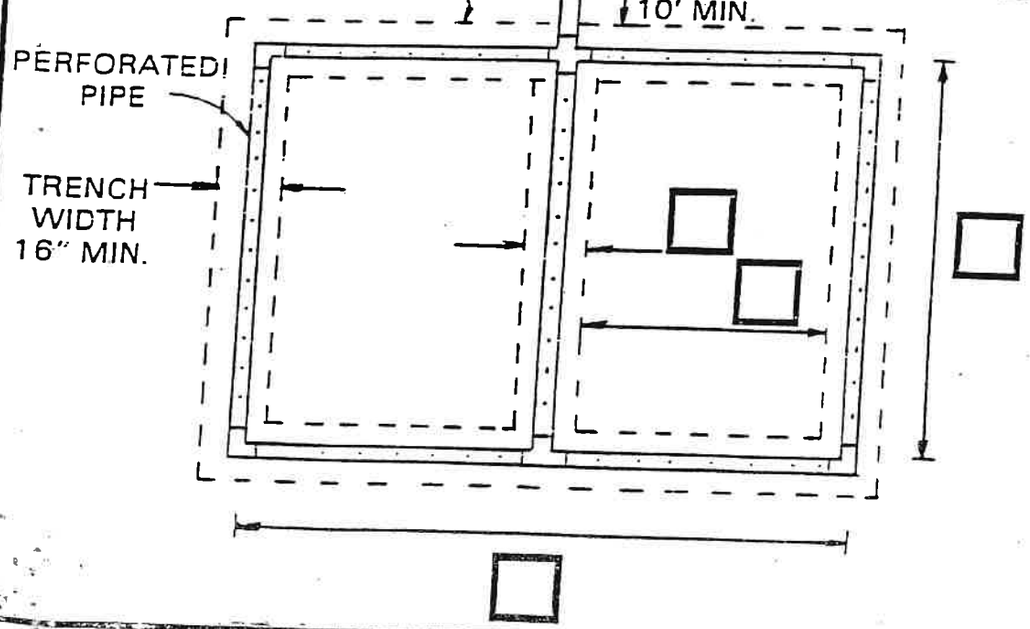
STANDARD SEPTIC TANK DETAIL SHEET

REVIEWED BY:

DATE OF AUTHORIZATION:

CROSS - SECTION





PLAN VIEW

TYPICAL LAYOUT

General Notes

1. This is a standard trench type soil absorption field detail sheet. Please modify to meet your specific situation.

   Where ☐ is shown, place the dimensions of your system.
2. The minimum infiltrative surface area (sum of the trench sidewalls and bottom below the invert of the distribution pipe) can be determined from Section D.1 of the Design Information Sheet.
3. All plastic gravity perforated pipe must conform to ASTM Standard D2729.
4. A minimum 4 foot separation shall be maintained between the bottom of the trench to the seasonal high groundwater level, bedrock, and clay layer.

STANDARD TRENCH TYPE SOIL ABSORPTION SYSTEM DETAIL SHEET

REVIEWED BY:

DATE OF AUTHORIZATION:

MENTOCK ENGINEERING
Consulting Engineers and Land Surveyors

1030 North Main
No. 2 Taylor Place
Sheridan, Wyoming 82801

Phone: (307) 674-4224
FAX: (307) 672-9492

PROJECT HATCH

JOB NO. _____

BY _____ DATE 5/19/06

SHEET NO. 1 OF 1

4 BR @ 150/BR = 600 gpd

PERC RATE = 9.0 MIN/IN

USING 10 MIN/IN
ABSORPTION RATE = 0.62

AREA REQUIRED = 600/.62 = 968 SF

USING 30 x 33 = 990 SF
32 x 32 = 1024 SF

USE 1,000 GAL TANK

APPENDIX A
Percolation Test Procedure

(a) Location. The percolation test holes shall be spaced uniformly over the proposed absorption field site. A minimum of three test holes are required.

(b) Preparation. A 4 inch to 12 inch hole shall be dug or bored to the proposed depth of the absorption field. The walls shall be vertical. To expose a natural soil surface, the sides and bottom shall be scraped with a sharp pointed instrument and the loose material shall be removed from the hole. Coarse sand or gravel shall be placed in the bottom of the hole to prevent it from scouring and sealing.

(c) Presoaking. The purpose of presoaking is to have the water conditions in the soil reach a stable condition similar to that which exists during continual wastewater application. The minimum time of presoaking varies with soil conditions but must be sufficiently long so that the water seeps away at a constant rate. The following presoaking instructions are usually sufficient to obtain a constant rate.

(i) In sandy soils, place 12 inches of water in the hole and allow it to seep away. Fill the hole again with 12 inches of water and if the water seeps away in ten minutes or less, it indicates that the soil is excessively permeable and requirements in Section 20.d. of these regulations shall be followed. If the water remains after ten minutes, additional saturation is necessary. Refer to section c.2. below.

(ii) In other soils, maintain 12 inches of water in the hole for at least four hours. After the four hours of water contact, allow the soil to swell for 12 hours before starting the percolation rate measurement as stated in section d. below.

(d) Percolation rate measurement. The water level should be adjusted to six inches above the gravel initially and after each time interval measurement when necessary.

(i) In other soils, establish a fixed reference point and measure the drop in water level at constant intervals. The water level drop should be measured to the nearest 1/8 of an inch. The test may be terminated when the water drop is consistent for three consecutive measurements.

(ii) The percolation rate for each hole is calculated as follows:

$$\frac{\text{Time Interval (minutes)}}{\text{Final Water Level Drop (inches)}}$$

If only three to five percolation tests are performed, the design percolation rate for the absorption system is the slowest rate from all the holes tested. If six or more percolation tests are performed, the design percolation rate for the absorbtion system is the average of all holes tested as determined by the above formula.

(a) Field data: the water level was measured every 10 minutes.

Hole No.	Actual Water Level Drop Measured in Inches					Final Drop	Percolation Rate
1	1.5	1.5	1.25	1	1	1	8.3
2	2	2	1.5	1.5	1.5	1.5	6.0
3	1.25	1	1	1	1	1	11.4
4	1	1	1	1	.75	.75	10.9
5	1.5	1.5	1.5	1.5	1.25	1.25	8.0
6	1.25	1.25	1	1	1	1	9.2

(b) If 3 - 5 holes were tested, the slowest rate was _____ minutes/inch.

(c) If 6 or more holes were tested, the average rate was 9.0 minutes/inch.

NOTE: If the percolation rate is less than 1 min/inch or greater than 60 min/inch, please contact the local health department or DEQ district office for special assistance.

(d) The depth of the holes varied from 48 to 60 inches.

J. Hatch Fresno Bird Cage