

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

Permit No. 11-113-76

☐ Modified

Residence
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Thomas</u>	<u>Lowell</u>	
(Last)	(First)	(Middle)
<u>(Street or P.O. Box)</u>		
<u>Cody</u>	<u>Park</u>	<u>Wyoming 82414</u>
(City)	(County)	(State)

to construct, install, or modify a Small Waste Treatment Facility
facility located in Section 4, T52N, R101W
(Legal Description)

in the County of Park, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William P. Gaudin
Director
Wyoming Dept. of Environmental Quality

October 5, 1976

Date of Issuance

Approved for
9-28-76
Fillout application and
return

Send to -

JAKE STROHMAN
DEQ - WATER QUALITY SECTION
HATHAWAY BUILDING
CHEYENNE, WYOMING 82002

PHONE 777-7781

SMALL WASTEWATER FACILITY DESIGN

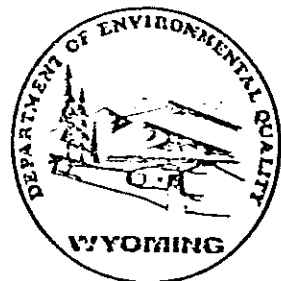
Project No. _____

Lowell Thomas
OWNER'S NAME

4 52N 101 West
SECTION TOWNSHIP RANGE

Park
COUNTY

Wyoming • 82414
ZIP CODE



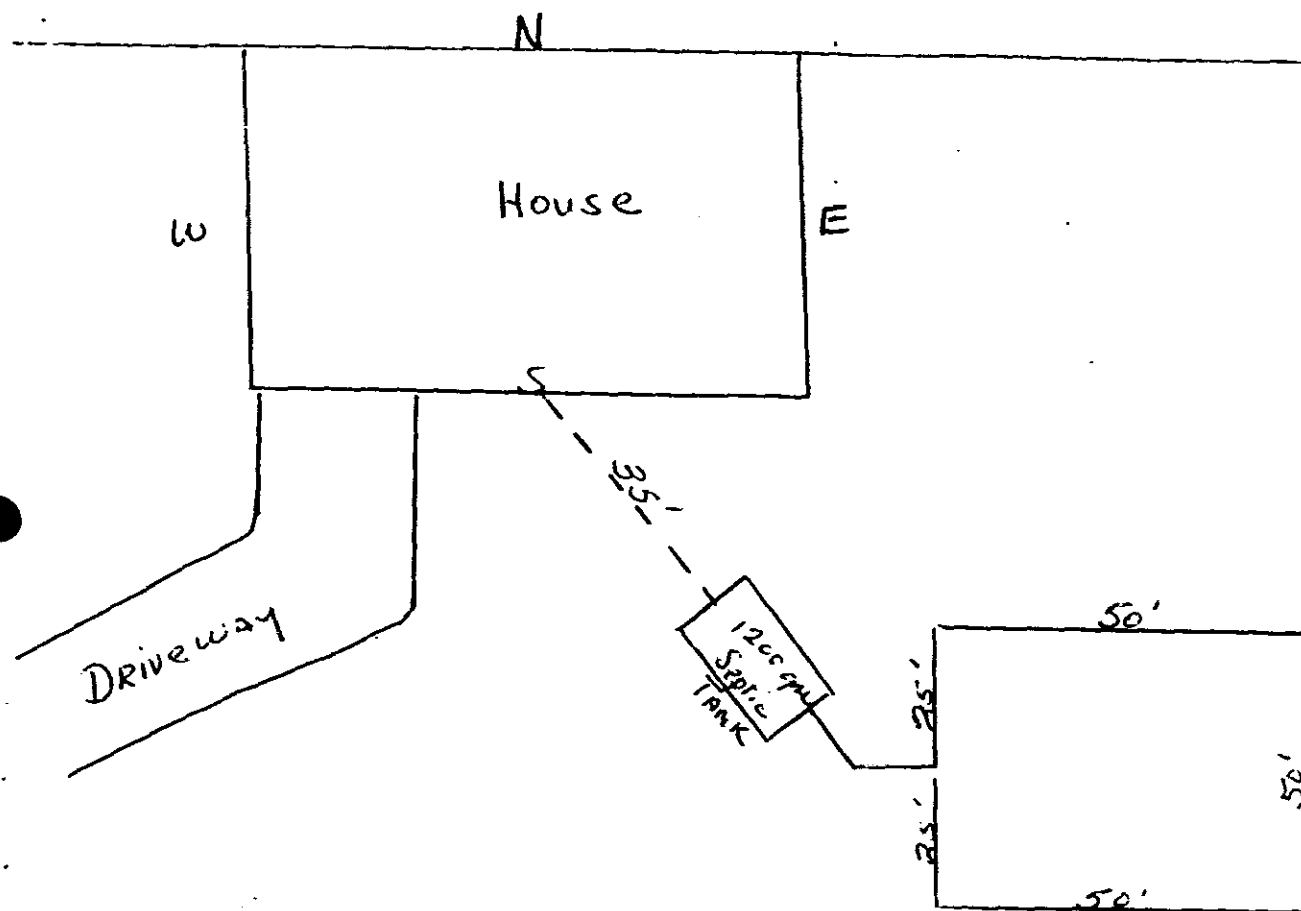
WATER QUALITY DIVISION
HATHAWAY BUILDING
CHEYENNE, WYOMING 82002

Submitted To: _____

Date Submitted: _____

Approved By: _____

Date of Approval: _____

General Notes

1. Septic tanks shall have the following minimum distances:
 - 5 ft. from dwelling
 - 50 ft. from any water well
 - 50 ft. from waterways
 - 25 ft. from water lines under pressure
 - 50 ft. from negative pressure water lines.
 - 10 ft. from property lines
2. Disposal field must meet the following minimum distances:
 - 100 ft. from water well
 - 50 ft. from waterway
 - 25 ft. from drinking water lines
 - 100 ft. from negative pressure lines
 - 10 ft. from dwelling or building
 - 10 ft. from septic tank
 - 10 ft. from property line

Ground Slope is From N to S About $1\frac{1}{4}$ Feet to 1'. We intend to use motor grader and level area where Drain Field is To be installed.

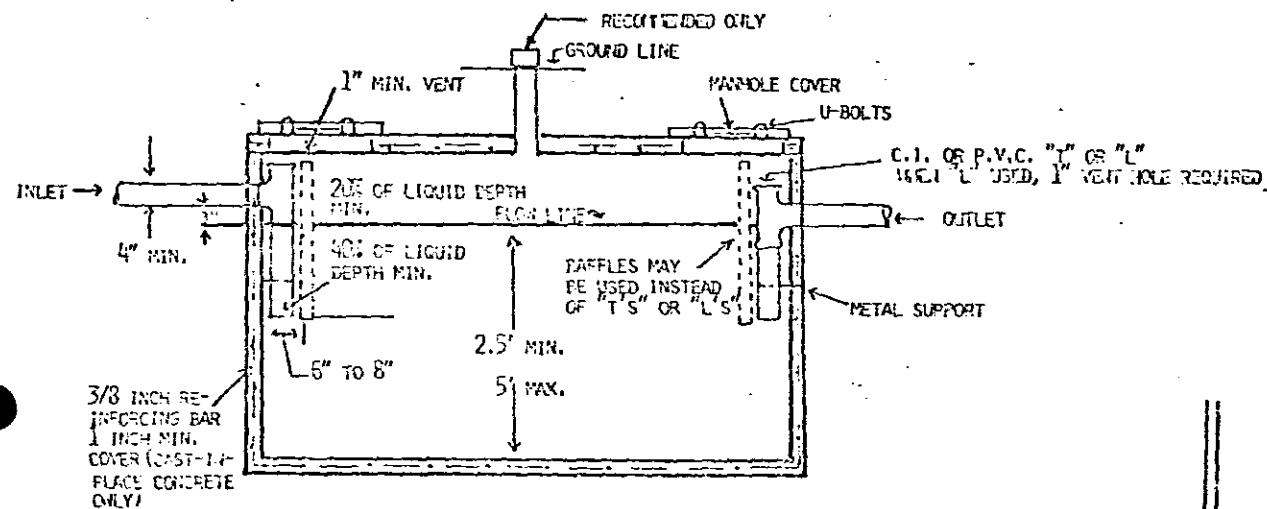
(WGA)

Plan Sheet

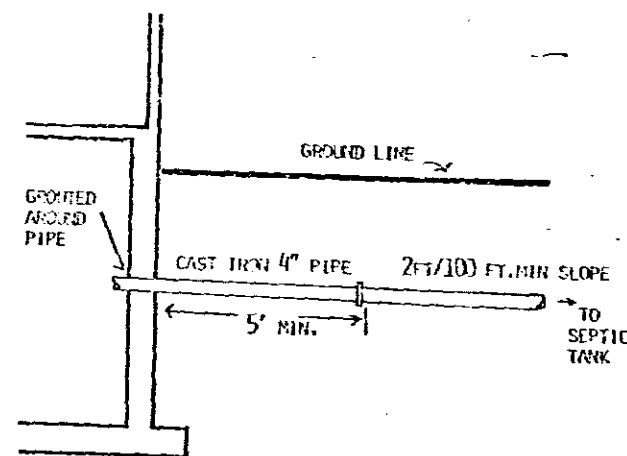
Approved by:

Title:

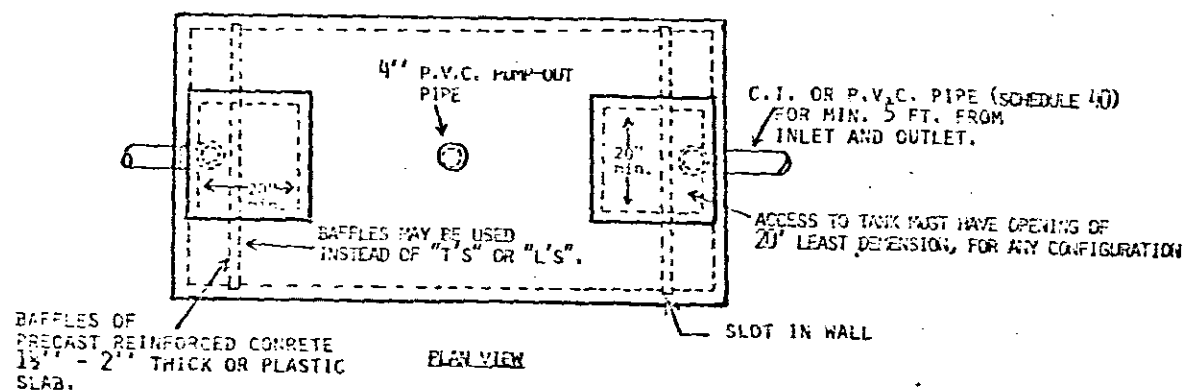
Date of Approval:



PROFILE VIEW



TYPICAL FOUNDATION SECTION



PLAN VIEW

General Notes

1. All tanks shall be constructed of concrete (pre-cast, cast-in-place, or concrete block), steel or fiberglass.
2. All interior surfaces of cast-in-place or concrete block must be coated with a bitumastic or equivalent compound.
3. Precast concrete tanks shall have a minimum thickness of two and one-half (2 1/2) inches and adequately reinforced.
4. Cover slabs for concrete tanks shall be a minimum of three (3) inches thick and adequately reinforced.
5. Steel tanks must meet Commercial Standard 177-51 (U.S. Department of Commerce Std).
6. Steel tanks must be coated inside and out by a bitumastic or equivalent compound.
7. Backfill around septic tanks should be made in thin layers and thoroughly tamped in a manner that will not cause damage to the tank walls. Precast tanks should be provided with a four (4) inch minimum sand base underneath tank. Fiberglass tanks shall be back-filled with sand or material free from hard material 1/2 inch in diameter.
8. Minimum Tank volume of septic tanks shall be 1000 gals. for residences through four bedrooms. Additional capacity of 250 gals per bedroom is required for residences over four bedrooms.

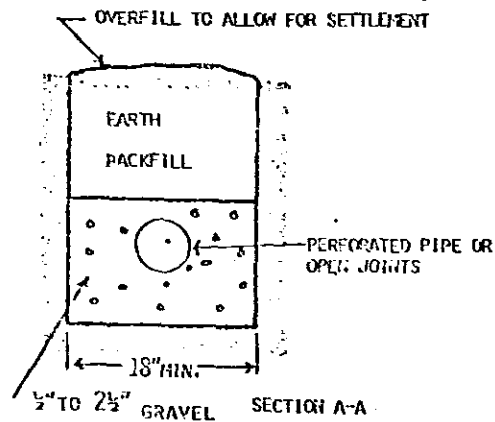
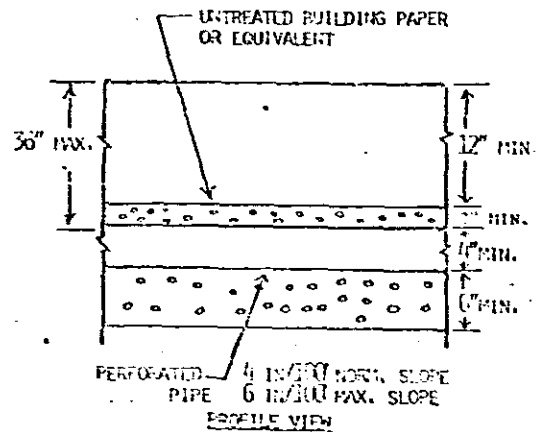
Septic Tank Detail Sheet

STANDARD SEPTIC TANK

Approved by:

Title:

Date of Approval:



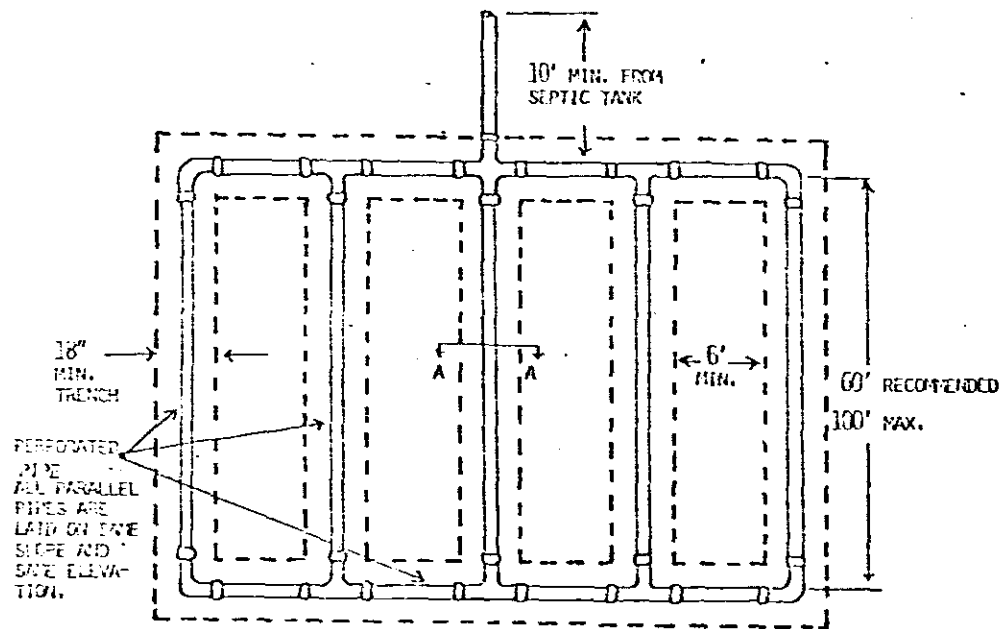
General Notes

1. Polyvinyl chloride, portland cement, vitrified clay or cast iron piping are acceptable materials for disposal field installation.
2. Adequate perforation or other openings must be provided for proper distribution.
3. All waste disposal systems piping shall be at least four (4) feet above the seasonal high ground water table.
4. Single disposal field lines shall not exceed 100 feet. The recommended length is 60 ft.
5. Lines shall be laid relatively flat (4in/100 ft) with a maximum slope of 6 in/100 ft.
6. The size of the disposal bed is determined by the percolation rate of the soils in accordance with the following table.

TABLE

Percolation Rate Minutes/Inch	Absorption Area (sq ft/bedroom)	Minimum Area* (2 Bedrooms)
1 or less	70	140
2	85	170
3	100	200
4	115	230
5	125	250
10	165	330
15	190	380
30	250	500
45	300	600
60	330	660

*Use "Minimum Area" for one and two bedrooms; add "Absorption Area" for each additional bedroom.



Disposal Field Detail Sheet

LEACH FIELD (STANDARD)

Approved by: Title:

Date of Approval:

APPLICATION
FOR
PERMIT TO CONSTRUCT, INSTALL, OR MODIFY
PUBLIC WATER SUPPLIES AND WASTE FACILITIES
IN WYOMING

Application No. _____

1. Name of Facility _____
2. Location of Facility: Sec _____ T. _____ R. _____ Co. _____
3. Facility Description: ☐ New Construction ☐ Modification or Extension

☐ Public Water Supply

☐ Municipal

☐ Other Legal Entity

☐ Commercial

☐ Industrial

☐ Other

☐ Waste Treatment Facility

☐ Municipal

☐ Other Legal Entry

☐ Commercial

☐ Industrial

☐ Small

Type of Facility:

☐ Source Development

☐ Treatment Plant

☐ Distribution System

Source: Groundwater _____

Surfacewater _____

Capacity, or Demand _____ gpm

Type of Facility:

☐ Subsurface Disposal

☐ Stabilization Pond

☐ Evaporative

☐ Mechanical Treatment

☐ Collection System

Volume of Wastes _____ MGD

4. Does the proposed water supply/waste treatment/facility discharge? _____

If yes, NPDES Permit Application No. _____

Name of receiving waters? _____

Name of Applicant _____
(Last) (First) (Middle)

Mailing Address _____
(Street or P.O. Box) (City) (County) (State)

Business Phone: _____ Home Phone: _____

I certify that the above described facility has been submitted in accordance with local, county, and state statutes, as required, and that said facility shall be constructed as authorized under the provisions specified in Wyoming Water Quality Rules and Regulations, Chapter III, 1976.

Signature of Applicant

Date

SMALL WASTE TREATMENT FACILITY

(check list)

Date Sept 21 1976
 (Month) (Day) (Year)

Owner Thomas Lowell
 (Last) (First) (Middle)

Address Cody Park Wyo 82414
 (Street or P.O. Box) (City) (County) (State) (Zip)

Location of Facility Paizre View Sub-Div - Cody, Wyo
 (Street) (City) (County) (State)

Legal Description: Lot #12 in Lot #14 in Moller Sub-Div. of Paizre Sub-Div.
 (Nearest 1/4) OR (Subdivision & Tract)

4 52 N 101 West
 (Section) (Township) (Range)

Home Phone 587-2757 Business Phone _____

A. GENERAL INFORMATION

1. Type of Building Residence
 (Residence, cabin, trailer, or other; specify)
2. No. of Bedrooms 3
3. No. of Baths 2
4. Basement Drain yes
5. Garbage Disposal No
6. Automatic Laundry yes
7. Other Sources (Specify) _____

B. SITE INFORMATION

1. Lot Size _____ ft by _____ ft. or Area _____ sq ft. or 2.98 Acres
2. Water Supply: Community _____ Private X
3. Ground Slope 1 1/4' to 1' ft/ft or %
4. Percolation Rate 1" 4 min in/min.
5. Soil Type Sandy Some gravel
6. Highest known Groundwater or Impervious Layer,
 (if less than 8 feet) Unknown / But Below 10 ft.

C. DESIGN INFORMATION

Septic Tank

1. Tank Capacity 1200 gallons
2. Number of Compartments 1 SITON CONCRETE TANK
3. Dimensions: Width 4 Ft. Length 8 Ft.
Depth 8 Ft. Diameter _____ Ft.
4. Access: Type 2 LIDS Size 2' Location EACH END
5. Material Concrete
6. Baffles 2 Type Concrete
7. Standard ✓ Aerated _____ Heated _____

Disposal

1. Type: DRAIN
Field _____ Bed _____ Evapotranspiration Bed _____
2. Disposal Area 600 Sq.Ft. Width 32" Ft. Length 200
3. Number of Distribution Lines 4 Lineal Ft. 50' EACH
4. Type of Liner (evapotranspiration only) _____
5. Drainfield Filler Material 2" Leach Rock Ft.
 - a. Depth under distribution lines 8 to 10 inches
 - b. Depth over distribution lines 4"
6. Max Gravel Size 2" inches
7. Depth of cover 18" to 20" feet.

Remarks: Area is on Slight Slope
We propose to install Drain Field because
Area seem suitable for this type of
System.

Agent or Contractor ALTHOFF CONST CO.

Mailing Address P.O. Box 406 Cody Wyo. Phone 587-2678
(Street or P.O. Box) (City, County & State)

Location of Business Cody Park Wyo.
(Street) (City) (County) (State)