

12/21/04 10:10 AM
OKed by Lloyd Williams & U

LAW OFFICES OF RICHARD SILVERSTEIN

50 Steele Street, Suite 767, Denver, Colorado 80209
Telephone: 303.592.1515 Facsimile: 303.592.1180 E-Mail: rslaw@xpert.net

Multiple Fax Sheet

Fax:		
	Name	Fax Number
To:	Gary Hartzell-Tri-County Health Department	303.688.8870
To:	Tom Tucker-Dimensions	303.799.8123
To:		
From:	Richard Silverstein	
Date:	12.21.04	
Subject:	Permit # 1999-07-01260;5750 Lambert Ranch Trail	
Pages:	1 (including cover page)	

Gary:

Confirming our telephone call, please forward to me the applicable documents in your file which will assist me in evaluating this matter. If you have any questions, please contact me. Thank you.

Richard Silverstein

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ISDS INSPECTION Partial
Final

DATE: 2-10-00

PERMIT #: _____

DATE READY: 2-11-00 After 1:00

INSTALLER: Green Mtn Exc.

INSTALLER'S LIC. #: _____

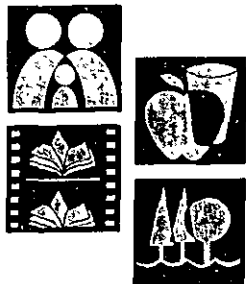
ADDRESS OF PROPERTY:

5750 Lambert Ranch

PHONE #: 303 795 2348 Trl

cell 303 478-2347
COMMENTS: Rab

CHAMBER UNITS INSTALLED?: Drip?
BED? or TRENCH?



Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Richard L. Vogt, M.D.
Executive Director

FAX COVER SHEET

DATE: 12/21/04

TO: RICHARD SILVERSTEIN

FAX #: 303 592-1180

TOTAL NUMBER OF PAGES (INCLUDING THIS PAGE): 7

FROM: GARY HARTZELL
Tri-County Health Department
Castle Rock Office

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL
303/663-7650.


 1999-07-
 PERMIT # 12620
TRI-COUNTY HEALTH DEPARTMENT

Serving Adams, Arapahoe and Douglas Counties

APPLICATION TO
☒ **INSTALL(255)** ☐ **REPAIR(256)** ☐ **EXPAND(256)**
 \$300 \$250 \$250

AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM
ADDRESS OF PROPERTY SERVED BY PROPOSED SYSTEM:

5750 LAMBERT RANCH TRAIL SEDALIA
 Street Address City
DOUGLAS
 Zip Code County

Parcel 11 1/4 Sec 1/4 Sec Section Township Range Lot Block
 Legal Description (if no street address)

THE LAMBERT RANCH
 Subdivision Name Filing (if applicable)

If GPS Information Available/Obtained: Longitude Latitude Elevation

Property Owner:

Name DIMENSIONS DIVERSIFIED INC
 Address 6200 S. TROY CIR. #110
 City, State ENGLEWOOD, CO
 Zip 80111 Phone 303-858-9019

Applicant:

Name SALE
 Address
 City, State
 Zip Phone

Systems Contractor: GREEN Mtn. EXCAVATING

Soils/Percolation Test Engineer GED - TECNICA ENG.

Job # 99-807

TCHD Use Only: PSE #

Design Engineer (if applicable)

Job #

TCHD Use Only: PSE #

Is this to be an Engineered System? ☐ Yes ☒ No

Lot Size: 11.14 ACRES

Is Lot Marked and Are Perc Holes
 Staked? ☒ Yes ☐ No

PROPOSED FACILITY:

☒ Single Family (SF) ☐ Multi-Family (MF) ☐ Commercial (CM) ☐ Other (OT)

WATER SUPPLY:

On Site: ☒ Yes ☐ No Community Water ☐ Yes ☒ No If Yes, Supplier

Continued on back

PERMIT # 12620**SINGLE FAMILY RESIDENTIAL GENERAL INFORMATION:**Number of Bedrooms 4 Basement: ☒ Full (F) ☐ Walkout (W) ☐ Partial (P) ☐ None (N)Basement Plumbed: ☒ Yes ☐ NoAre Additional Bedrooms Planned? ☐ Yes ☒ No Are the premises within 400 ft. of a sewer line? ☐ Yes ☒ NoIs property within boundaries of a sewer district? ☐ Yes ☒ No

If Yes, name of sewer district _____

COMMERCIAL GENERAL INFORMATION:

Type of Business: _____

TCHD Use Only: SIC Code _____

Number of Employees _____

Design Flow > 3,000 Gallons/Day ☐ Yes ☐ NoIf Yes, has Site Approval been given from CDPHE? ☐ Yes ☐ No

(Note: Permit cannot be issued until site approval is given from CDPHE)

Floor Drains ☐ Yes ☐ NoEPA Shallow Injection Well Inventory Request Form Completed ☐ Yes ☐ NoDate Paid: 12-9-99 Received By: 62Payment Type: ☐ Cash☒ Check (# 11018)☐ Charge☐ Other _____Amount Paid \$ 300.00Applicant's Name T. Brooks Tucker FOR DDI

Please Print

Applicant's Signature T. Brooks Tucker FOR DDI Date 12/2/99

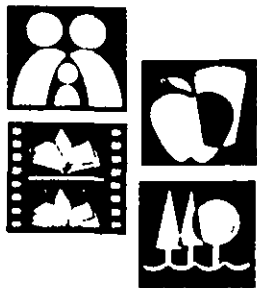
☐ Aurora
15400 E. 14th Place
Suite 309
Aurora, CO 80011
303-341-9370

☐ Castle Rock
101 3rd Street
Castle Rock, CO 80104
303-663-7650

☐ Commerce City
4301 E. 72nd Avenue
Commerce City, CO
80022
303-288-6816

☐ Englewood
4857 E. Broadway
Englewood, CO 80110
303-761-1340

☐ Northglenn
10190 Barnock Street,
Suite 100
Northglenn, CO 80221
303-452-9547



Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties Permit # 1999-07-012620

Chris J. Wiant, M.P.H., Ph.D.
Executive Director

PERMIT TO CONSTRUCT
AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM
Tri-County Health Department
7000 East Belleview Avenue Suite 301
Englewood, Colorado 80111

Owner **DIMENSIONS DIVERSIFIE , INC.**
Location: **5750 Lambert Ranch Trail Sedalia CO 80135**
Subdivision: **Lambert Ranch** County: **Douglas**

=====

Design Requirements:

Install system per specifications of the Design Engineer

Number of Chambers: Refer to TCHD Form #S-183 Rev Date 12/15/97

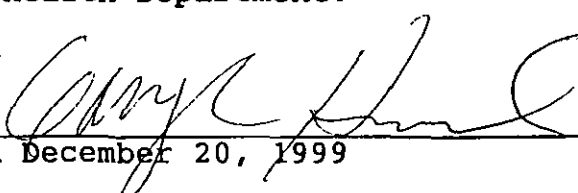
Special Conditions

INSTALL PER GEO-TEKNICA ENGINEERING DESIGN NO. 99-3104
DATED DECEMBER 13, 1999. A TEST PIT WILL BE REQUIRED PRIOR
TO THE START OF SYSTEM INSTALLATION.

=====

A Permit to CONSTRUCT shall expire ONE YEAR from the date of
issuance unless extended to a fixed date upon request by the Applicant
and approved by the Tri-County Health Department.

This Permit Expires: 12/20/2000

Issued by: Hoerl, Gary L.,  EHS
Tri-County Health Department on December 20, 1999

OWNER MUST MAKE SURE THAT HIS/HER ENTIRE WASTE DISPOSAL SYSTEM REMAINS
OPEN FOR INSPECTION UNTIL IT HAS RECEIVED APPROVAL BY TRI-COUNTY HEALTH
DEPARTMENT. TRI-COUNTY HEALTH DEPARTMENT CANNOT ASSUME RESPONSIBILITY
IN CASE OF FAILURE OR INADEQUACY OF A WASTE DISPOSAL SYSTEM BEYOND
CONSULTING IN GOOD FAITH WITH THE PROPERTY OWNER.

Permit Fee: 300.00 Payment Method **Check** #11018

Received By: on 12/09/1999

() Owner Copy () Bldg. Dept. Copy () Installer Copy () H.D.

For Accounting Use Only:
680-500000

300.00

GEO-teknica Engineering, Inc.

SOIL TESTS • PERCOLATION TESTS • FOUNDATION DESIGNS

P.O. BOX 266

FRANKTOWN, CO 80116

(303) 660-0300

(303) 660-3615 (FAX)

Dimensions Diversified

Job No: 99-807

6200 South Troy Circle, #110

Englewood, CO 80111

Inspection Date: 2/11/00 & 2/15/00

Certification of the On-site Wastewater Disposal System Inspection by a representative of this office for a residence at:

Lot 11, Lambert Ranch Subdivision, Douglas County

The following inspections have been performed by a representative of GEO-teknica Engineering for the above system:

- X Equipment and Facilities Installation
- X Completed System

This report is to certify that the system is in substantial compliance with the design and specifications.

Call our office if there are any questions, and certainly call when we can be of further assistance.

GEO-teknica Engineering, Inc.

Reviewed and Approved by:

Inspected by: Fairway C.S.I.



Gary L. Bolte, P.E.

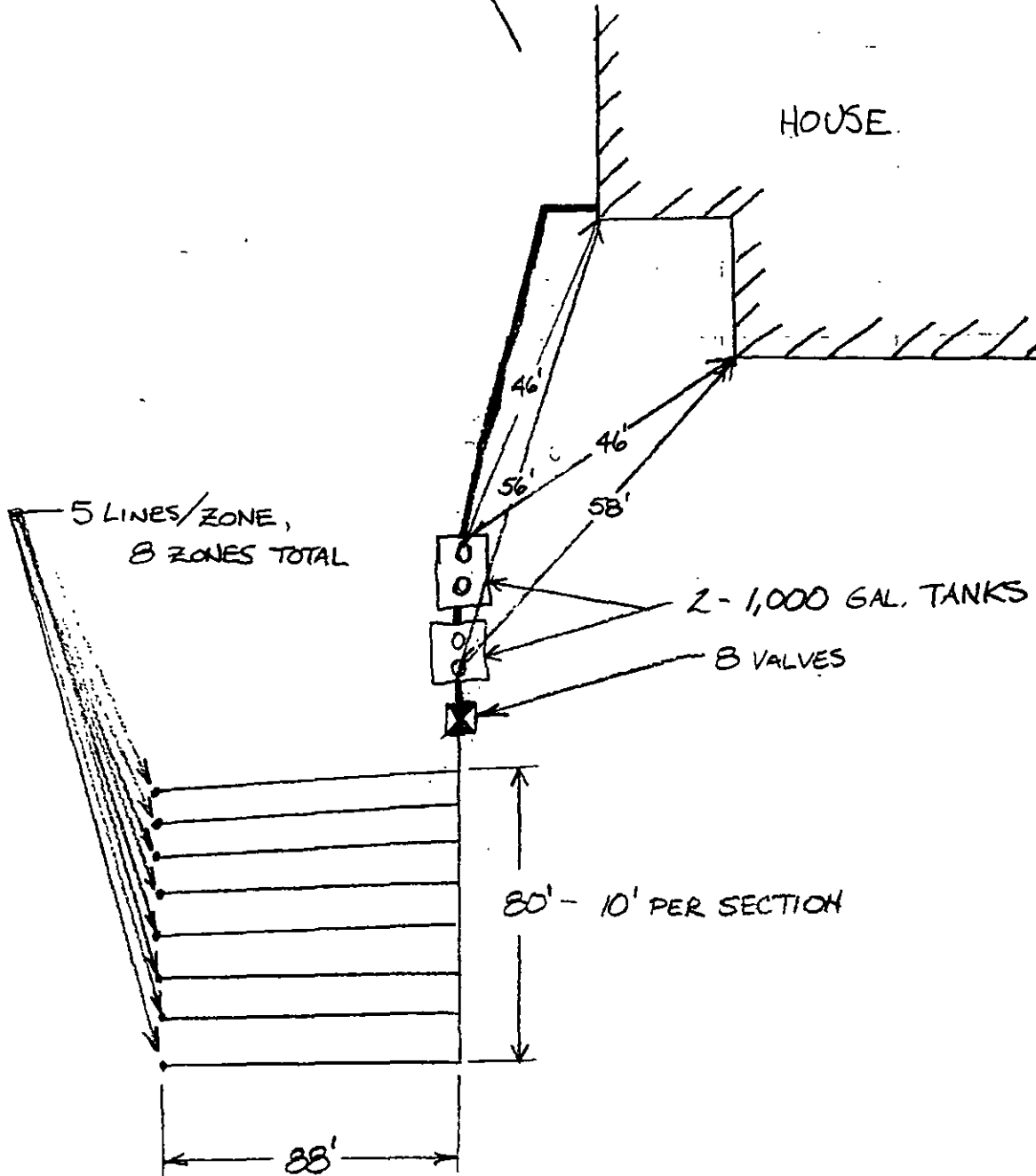


AS-BUILT DRAWING

PROPERTY ADDRESS: 5750 LAMBERT RANCH TR.
PERMIT # 1999-07-012620
DATE SYSTEM COMPLETED: 2-15-00
INSTALLER: ROB KELLY
303-795-2398
5900 S. BEMIS CT.
LITTLETON 80120
cell- 303-478-2347

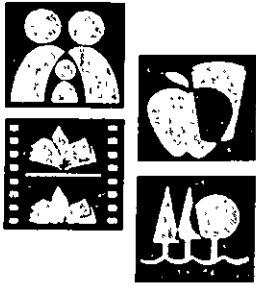


HOUSE



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Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Chris J. Wiant, M.P.H., Ph.D.
Executive Director

CERTIFICATION OF INDIVIDUAL SEWAGE DISPOSAL SYSTEM

This certifies that Individual Sewage Disposal System (ISDS) at
5750 Lambert Ranch Trail Sedalia CO 80135
Subdivision: Lambert Ranch County: Douglas
has been permitted and installed in compliance with Tri-County Health
Department Regulation Number I-96. A file for the ISDS will be kept in
our Castle Rock office.

SUMMARY OF INFORMATION

The permit number for the system was: 1999-07-012620

The soils and percolation test was performed by: Geo - Teknica

The design engineer for the system was: Geo - Teknica

The system was installed by: Keiley Underground

The system consists of:

- A 1,000 gallon septic tank
- 1,000 gallon dosing tank
- 7,050 square foot absorption area.

The system is sized for 4 bedrooms. If additional bedrooms are
added, an expansion may be necessary.

Maintenance Requirements:

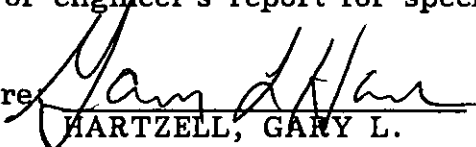
The septic tank must be pumped and inspected every 4 years

If the septic or dosing tank is equipped with an effluent filter, the
filter must be cleaned annually

If the system has alternating beds or is a drip irrigation system, beds or
zones must be rotated annually

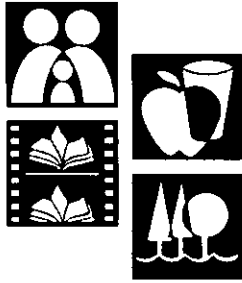
Additional maintenance requirements may apply. Refer to the operations
manual or engineer's report for specific requirements.

Signature


HARTZELL, GARY L.

Date:

9/20/02



Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Richard L. Vogt, M.D.
Executive Director

December 14, 2004

Chris Banovich
Remax Reality

Re: Individual Sewage Disposal System Serving the Property at 5750 Lambert
Ranch Trail

Dear Mr. Banovich:

A review of the files indicates that a drip irrigation system was designed for the above referenced property. This system was installed by Keilly Underground and inspected and approved by the design engineer, GEO-teknica Engineering Inc, and this Department. There was never a revision of the original design submitted to this department.

A pump is an integral part of the design of these types of septic systems and, if missing, should be installed.

If you have any questions, please contact this office.

Sincerely,

Gary L. Hoerl
Environmental Health Specialist

cc: Warren Brown
Lloyd Williams
Gary Hartzell



1999-07-
PERMIT # 12620

TRI-COUNTY HEALTH DEPARTMENT
Serving Adams, Arapahoe and Douglas Counties

APPLICATION TO
☒ INSTALL(255) ☐ REPAIR(256) ☐ EXPAND(256)
\$300 \$250 \$250
AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

ADDRESS OF PROPERTY SERVED BY PROPOSED SYSTEM:

5750 LAMBERT RANCH TRAIL SEDALIA
Street Address City
DOUGLAS
Zip Code County

Parcel 11 1/4 Sec 1/4 Sec Section Township Range Lot Block
Legal Description (if no street address)

THE LAMBERT RANCH Filing (if applicable)
Subdivision Name

If GPS Information Available/Obtained: Longitude Latitude Elevation

Property Owner:

Name DIMENSIONS DIVERSIFIED INC
Address 6200 S. TROY CIR., #110
City, State ENGLEWOOD, CO
Zip 80111 Phone 303-858-9019

Applicant:

Name SAME
Address
City, State
Zip Phone

Systems Contractor: GREEN MTN. EXCAVATING

Soils/Percolation Test Engineer GEO-TEKNICA ENG.

TCHD Use Only: FSE #

Design Engineer (if applicable)

TCHD Use Only: FSE #

TCHD Use Only: License #

Job # 99-807

Job #

Is this to be an Engineered System? ☐ Yes ☒ No

Lot Size: 11.14 ACRES

Is Lot Marked and Are Perc Holes
Staked? ☒ Yes ☐ No

PROPOSED FACILITY:

☒ Single Family (SF) ☐ Multi-Family (MF) ☐ Commercial (CM) ☐ Other (OT)

WATER SUPPLY:

On Site: ☒ Yes ☐ No Community Water ☐ Yes ☒ No If Yes, Supplier

Continued on back

PERMIT # 12620**SINGLE FAMILY RESIDENTIAL GENERAL INFORMATION:**Number of Bedrooms 4 Basement: ☒ Full (F) ☐ Walkout (W) ☐ Partial (P) ☐ None (N)Basement Plumbed: ☒ Yes ☐ NoAre Additional Bedrooms Planned? ☐ Yes ☒ No Are the premises within 400 ft. of a sewer line? ☐ Yes ☒ NoIs property within boundaries of a sewer district? ☐ Yes ☒ No

If Yes, name of sewer district _____

COMMERCIAL GENERAL INFORMATION:

Type of Business: _____

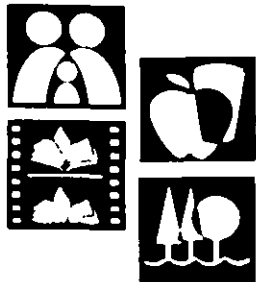
TCHD Use Only: SIC Code _____

Number of Employees _____

Design Flow > 3,000 Gallons/Day ☐ Yes ☐ NoIf Yes, has Site Approval been given from CDPHE? ☐ Yes ☐ No

(Note: Permit cannot be issued until site approval is given from CDPHE)

Floor Drains ☐ Yes ☐ NoEPA Shallow Injection Well Inventory Request Form Completed ☐ Yes ☐ NoDate Paid: 12-9-99 Received By: bdPayment Type: ☐ Cash☒ Check (# 11018)☐ Charge☐ Other _____Amount Paid \$ 300.00Applicant's Name T. Brooks Tucker FOR DDI
Please PrintApplicant's Signature T. Brooks Tucker FOR DDI Date 12/2/99☐ Aurora
15400 E. 14th Place
Suite 309
Aurora, CO 80011
303-341-9370☐ Castle Rock
101 3rd Street
Castle Rock, CO 80104
303-663-7650☐ Commerce City
4301 E. 72nd Avenue
Commerce City, CO
80022
303-288-6816☐ Englewood
4857 R. Broadway
Englewood, CO 80110
303-761-1340☐ Northglenn
10190 Barnock Street
Suite 100
Northglenn, CO 80221
303-452-9547



Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties Permit # 1999-07-012620

Chris J. Wiant, M.P.H., Ph.D.
Executive Director

**PERMIT TO CONSTRUCT
AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM**
Tri-County Health Department
7000 East Belleview Avenue Suite 301
Englewood, Colorado 80111

Owner DIMENSIONS DIVERSIFIE , INC.
Location: 5750 Lambert Ranch Trail Sedalia CO 80135
Subdivision: Lambert Ranch County: Douglas

Design Requirements:

Install system per specifications of the Design Engineer

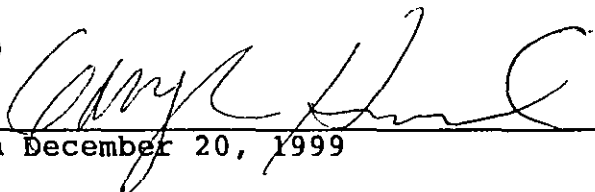
Number of Chambers: Refer to TCHD Form #S-183 Rev Date 12/15/97

Special Conditions

INSTALL PER GEO-TEKNICA ENGINEERING DESIGN NO. 99-3104
DATED DECEMBER 13, 1999. A TEST PIT WILL BE REQUIRED PRIOR
TO THE START OF SYSTEM INSTALLATION.

A Permit to CONSTRUCT shall expire ONE YEAR from the date of
issuance unless extended to a fixed date upon request by the Applicant
and approved by the Tri-County Health Department.

This Permit Expires: 12/20/2000

Issued by: Hoerl, Gary L.,  EHS
Tri-County Health Department on December 20, 1999

OWNER MUST MAKE SURE THAT HIS/HER ENTIRE WASTE DISPOSAL SYSTEM REMAINS
OPEN FOR INSPECTION UNTIL IT HAS RECEIVED APPROVAL BY TRI-COUNTY HEALTH
DEPARTMENT. TRI-COUNTY HEALTH DEPARTMENT CANNOT ASSUME RESPONSIBILITY
IN CASE OF FAILURE OR INADEQUACY OF A WASTE DISPOSAL SYSTEM BEYOND
CONSULTING IN GOOD FAITH WITH THE PROPERTY OWNER.

Permit Fee: 300.00 Payment Method Check #11018

Received By: on 12/09/1999

() Owner Copy () Bldg. Dept. Copy () Installer Copy () H.D.

For Accounting Use Only:
680-500000

300.00

GEO-teknica Engineering, Inc.

SOIL TESTS • PERCOLATION TESTS • FOUNDATION DESIGNS

P.O. BOX 266

FRANKTOWN, CO 80116

(303) 660-0300

(303) 660-3615 (FAX)

Dimensions Diversified

Job No: 99-807

6200 South Troy Circle, #110

Englewood, CO 80111

Inspection Date: 2/11/00 & 2/15/00

Certification of the On-site Wastewater Disposal System Inspection by a representative of this office for a residence at:

Lot 11, Lambert Ranch Subdivision, Douglas County

The following inspections have been performed by a representative of GEO-teknica Engineering for the above system:

- X Equipment and Facilities Installation
- X Completed System

This report is to certify that the system is in substantial compliance with the design and specifications.

Call our office if there are any questions, and certainly call when we can be of further assistance.

GEO-teknica Engineering, Inc.

Reviewed and Approved by:

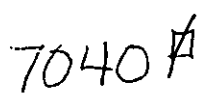


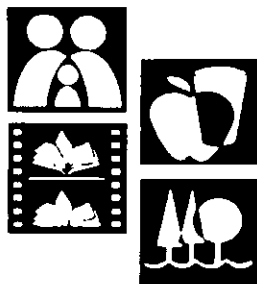
Gary L. Bolte, P.E.

Inspected by: Fairway C.S.I.



13-784	500 SHEETS FILM	5 SQUARE
42-381	50 SHEETS EYE-EASE	5 SQUARE
42-382	100 SHEETS EYE-EASE	5 SQUARE
42-383	200 SHEETS EYE-EASE	5 SQUARE
42-384	100 RECYCLED WHITE	5 SQUARE
42-390	200 RECYCLED WHITE	5 SQUARE





Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Chris J. Wiant, M.P.H., Ph.D.
Executive Director

CERTIFICATION OF INDIVIDUAL SEWAGE DISPOSAL SYSTEM

This certifies that Individual Sewage Disposal System (ISDS) at
5750 Lambert Ranch Trail Sedalia CO 80135
Subdivision: Lambert Ranch County: Douglas
has been permitted and installed in compliance with Tri-County Health
Department Regulation Number I-96. A file for the ISDS will be kept in
our Castle Rock office.

SUMMARY OF INFORMATION

The permit number for the system was: 1999-07-012620

The soils and percolation test was performed by: Geo - Teknica

The design engineer for the system was: Geo - Teknica

The system was installed by: Keiley Underground

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- A 1,000 gallon septic tank
- 1,000 gallon dosing tank
- 7,050 square foot absorption area.

The system is sized for 4 bedrooms. If additional bedrooms are
added, an expansion may be necessary.

Maintenance Requirements:

The septic tank must be pumped and inspected every 4 years

If the septic or dosing tank is equipped with an effluent filter, the
filter must be cleaned annually

If the system has alternating beds or is a drip irrigation system, beds or
zones must be rotated annually

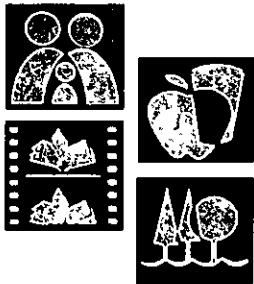
Additional maintenance requirements may apply. Refer to the operations
manual or engineer's report for specific requirements.

Signature

HARTZELL, GARY L.

Date:

9/20/02



Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Chris J. Wiant, M.P.H., Ph.D.
Executive Director

Dimensions Diversifie , Inc.
6200 S. Troy Circle #110
Englewood CO 80111

2-15-00

RE: Individual Sewage Disposal System located at:
5750 Lambert Ranch Trail, Permit # 1999-07-012620

On 2-15-00, a partial septic system inspection was conducted on the above referenced property. The following item(s) must be completed and/or submitted prior to this Department giving final approval of your Individual Sewage Disposal System installation:

- ☒ As-Built Drawing from System Installer 2-24-00
- ☒ Final Approval Letter from System Engineer 3-17-00
- ☐ System Engineer's Letter Regarding Pump Station
- ☐ Signed Plot Plan
- ☐ Installation of a Sniffer Valve
- ☒ Other: Revised system design from system engineer. *not mailed*

If the Individual Sewage Disposal System is not approved for use by this Department, the file will reflect this and it may prevent the issuance of a Certificate of Occupancy or have an adverse effect on any future sale of this property.

If you have any questions concerning this letter, please call 303/663-7650.

Sincerely,

Environmental Health Specialist
Tri-County Health Department

FINAL VISIT WORKSHEET

Permit Number: 1999-07-012620

Date Printed: December 20, 1999

Property Location: 5750 Lambert Ranch Trail Parcel 11

County: Douglas

Owner: Dimensions Diversifie, Inc.

System Installer: Green Mtn Svc

SITE INFORMATION:

Keys for completing information on installed tanks:

Usage (D)osing (T)reatment (V)ault

Tank Manufacturer

100	Aguilars Corp	102	Colorado Precast	103	Copeland
104	Dekta Env. Products	105	Erie Precast	106	Firebaugh Pre-Cast
107	Front Range Precast	108	Schmitt Reddi Mix	109	Sterling Pre Cast
110	Vaughn Concrete				

Tank Type: (C)oncrete (PT)Polyethelene (FG)Fiber Glass

TANK INFORMATION

Number of Tanks Installed: 2

Tank Size in gallons and Usage:

Tank 1:

Size 1000 Use (D) ☒ (T) ☒ (V) Mfg 109
Type (C) (PT) (FG) T's or Baffles (T) ☒ Effluent Screen Y ☒ (N)

Tank 2:

Size 1000 Use ☒ (D) (T) (V) Mfg 109
Type (C) (PT) (FG) T's or Baffles (T) ☒ Effluent Screen Y ☒ (N)

Tank 3:

Size _____ Use (D) (T) (V) Mfg _____
Type (C) (PT) (FG) T's or Baffles (T) (B) Effluent Screen Y N

Secondary Treatment System Y ☒ (N) If yes, type: (circle one)

Sand Filter (SF) Constructed Wetlands (CW) Trickling Filter (TF)
Aerobic System (AS) Recirculating Sand Filter (RSF) Other (OT)

Final Treatment Type:

Bed (BD)	Mound (MD)	Trench (T)
ET (ET)	Pond (PD)	Sand Filter (SF)
Bed (Chambers) (BD-CH)	Trench SB-2 (TR-SB)	Drip Irrigation ☒ (DR)
Trench (Chambers) (TR-CH)	Other (OT)	
Area Size (s.f.) <u>7050</u>	If Chambers Used, # _____	ET Lined Y N

Method of Waste Water Application:

Dosed w/Pump ☒ (DP) Dosed w/Siphon (DS) Gravity (GR)
Uniformly Dosed w/ Pump (UDP) Uniformly Dosed w/ Siphon (UDS)

Continued on Next Page

7050

FINAL VISIT WORKSHEET

Permit Number: 1999-07-012620
ted:

Date Prin

RECORD OF SITE VISITS:

(It is important to record any extra visits for billing purposes)

Visit 1 Date 2-15-00

By (EHS #) 822

Visit 2 Date _____

By (EHS #) _____

Visit 3 Date _____

By (EHS #) _____

Visit 4 Date _____

By (EHS #) _____

TCHD Engineer Review Y N

Time _____

EHS# _____

FINAL SITE VISIT COMMENTS:

used: as-built - engineers inspection letter - ~~revised design~~?

9/20 as Bt (revised) + eng letter attached 6/4

Final Approval Given ~~YES~~

By (EHS #) 060

(Y)



MKD Real Estate, Inc.

6025 South Quebec Street, Suite 100 Centennial, Colorado 80111

303-790-7475 Direct 303-740-8100 Office 303-768-9120 Fax

MaryTom@REALTOR.com www.HomesDenverColorado.com



MARY DAVIS & TOM SPALL

FAX COVER SHEET

DATE: _____ TIME: _____

TO: BETH-FOR → GARY HOERL

PHONE #: 303-663-7650

⇒ FAX TO #: 308-688-8870

RE: 5750 LAMBERT RANCH TRAIL, SEDALIA

Number of pages including cover sheet: 10

Message/Comments:

[illegible]

FROM : SEPTIC MASTERS

FAX NO. : 720 344 2120

Dec. 03 2004 06:03PM P1

SEPTIC MASTERS
720-344-2120
720-334-0203 CELL

December 3, 2004

MKD Real Estate, Inc.
Attention: Mary Davis

Reference: 5750 Lambert Ranch Trail

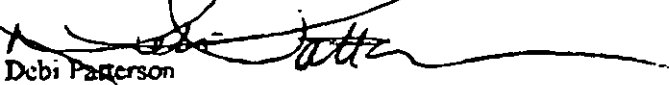
Scope of work: Raise the lids of the 1st tank above grade by installing 12' of riser material.
Transport soil from the site and mound on top of the tank. Install 4" pipe from
The down spout drain through the the mound across the tank and out away
From the septic system.
Excavate the 2" line that has settled and correct the slope and install new pipe.

Price of work: The above scope of work shall not exceed \$1425.00 without the permission of
the responsible party giving Septic Masters, LLC permission to proceed if additional repair is
needed.

Note: Upon our inspection, we observed that there is not a pump in the lift station of the second
tank. If the system is a drip irrigation system it requires that the field be dosed. This should be
addressed and resolved prior to any final inspection or final determinations are concluded.

Please call with any questions or concerns.

Thank you,


Debi Patterson
Septic Masters, LLC

ORIGINALS SEPTIC INSTALLER

Rob Kiley - 303-775-2340

*SELLER - REPRESENTED HIMSELF AS AN ELECTRICIAN
SELLER WOULD PURCHASE PUMP & INSTALL ELECTRICAL*

Dec 07 04 11:01a
11/23/2004 23:06

Mary Davis Tom Spall
3034235918

303-768-9120
DWC INC

P.3
PAGE 01



Domestic Water Consultants, Inc.

9145 OBERON RD. #125 ARVADA, CO. 80004-5230

303.423.6149 • Fax 303.423.5918

DATE 11-23-04

TO Mary Davis

COMPANY _____

FAX NO. 303-768-9120

PAGES: (Including cover sheet) 4

FROM Joi

(If transmission problems occur-call 303-423-6149)

COMMENTS Re: 5750 Lambert Ranch Tr.

Sedalia, CO. 80135

Unpaid Invoice

Well Report

Septic Inspection

Bacteria results to follow.

DEBBIE PATTERSON

SEPTIC ~~REPORT~~ MARKS

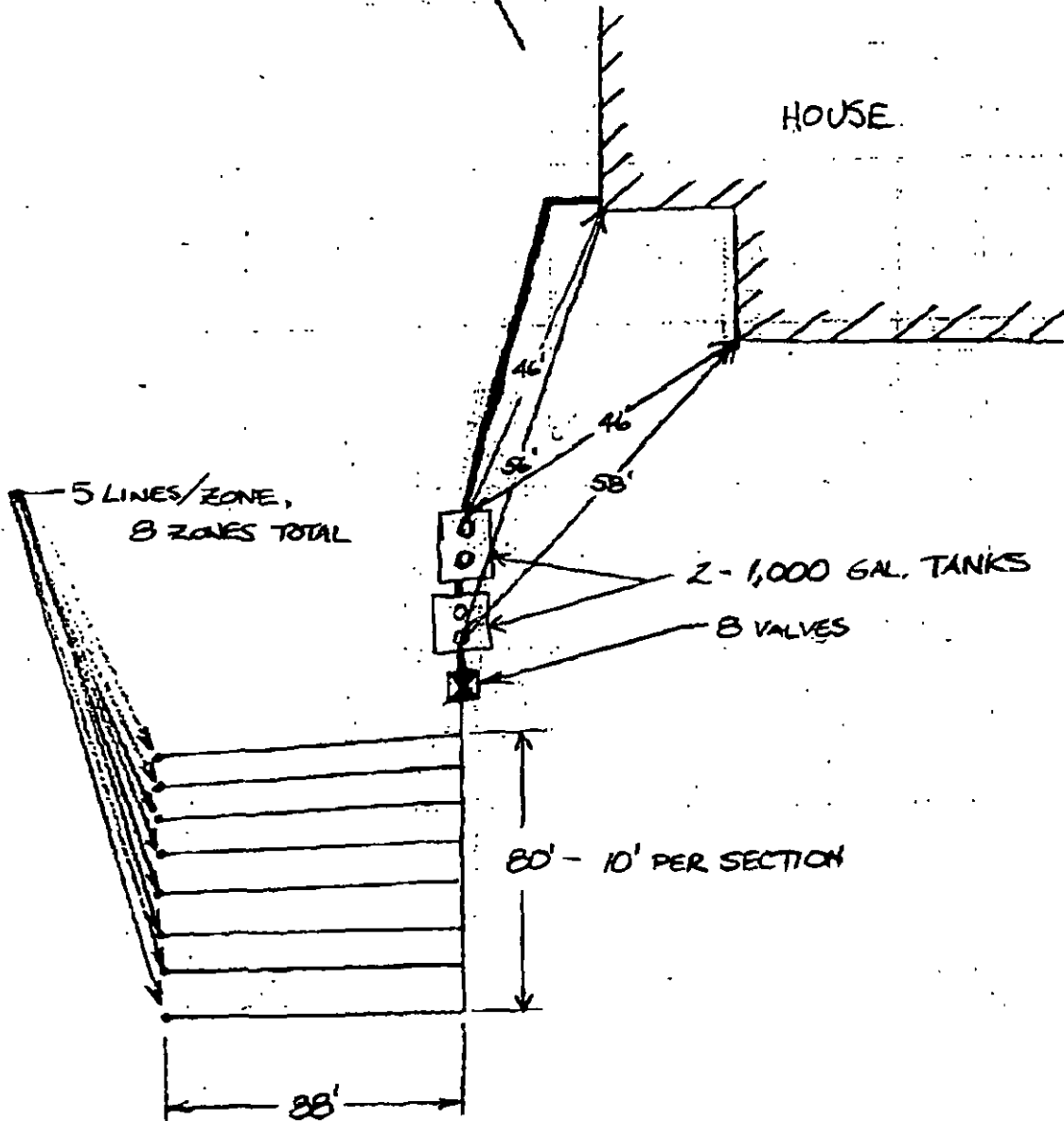
720-344-2120-OFFICE

720-334-9203-Cell

*

AS-BUILT DRAWING

PROPERTY ADDRESS: 5750 LAMBERT RANCH TR.
PERMIT # 1999-07-012620
DATE SYSTEM COMPLETED: 2-15-00
INSTALLER: ROB KEILLY
303-795-2398
5900 S. BEAVIS CT.
LITTLETON 80120
cell- 303-478-2347



7040A

Receipt	0453320
Permit Number	53144
Division	1
City	SEDALIA
Permit Suffix	F
Permit Replacement	
Act Date	11/15/1999
Act Code	Well permit issued.
Water District	8
Designated Basin	
Management District	None
Name	PRICE CHARLES EDWARD & LYNN S
Address 1	5750 LAMBERT RANCH TRAIL
Address 2	
City	SEDALIA
State	CO
Zip	80135-
Aquifer 1	DENVER
Aquifer 2	
Subdivision	LAMBERT RANCH
Lot	11
Block	
Filing	
Use 1	DOMESTIC
Use 2	
Use 3	ISSUED PURSUANT TO SB5 -137(4)
Yield (gal/min)	13
Depth (feet)	448
Level (feet)	175
Meridian	S
Township	7
Township Half	
Township Dir	S
Range	68
Range Half	
Range Dir	W
Section	16
Section Half	
Qtr 160	NE

Qtr 40	NE
Qtr 10	
Coords NS (feet)	450
Coords NS Dir	N
Coords EW (feet)	900
Coords EW Dir	E

SEWAGE DISPOSAL SYSTEM LOAN INSPECTION REPORT

Domestic Water Consultants, Inc.

9145 OBERON RD. #125 ARVADA, COLO. 80004-5230 • 303.423.6149 • Fax 303.423.5918

PRESENT OWNER: Vicki or Mike Wyatt ADDRESS: 5750 Lambert Ranch TrSedalia, CO. 80135ADDRESS OF PROPERTY BEING INSPECTED: 5750 Lambert Ranch Tr. SedaliaSUBDIVISION: Lambert Ranch LOT: 11 A BLOCK: ... FILING: ...SITE INSPECTION DATE OF INSPECTION 11-(1) HOME OCCUPIED: YES NO X HOW LONG ...(2) PROPERLY PERMITTED: YES X NO ... PERMIT NO. 1999-07-012620(3) TYPE OF SYSTEM: Septic Tanks & leach field(4) TANK LOCATION: S W of house(5) TANK SIZE: 2 x 1000 gals NO. OF COMPARTMENTS: 4 total RISERS: NO(6) TANK LID CONDITION: OK(7) TANK OPERATING LEVEL: OK-at this time Has been high ...(8) TANK TEE'S/BAFFLES: OK. Some deterioration, but integrity OK.(9) TYPE OF TEE'S Concrete(10) LIFT STATION: YES NO X PUMP STATUS: ... WARNING ALERT: ...(11) SOIL CONDITION: DRY X WET ... SNOW ... DAMP ... FROZEN ...(12) NO. OF LEACH FIELDS: 8 zones with valves TYPE: conventional(13) SURFACING SEPTIC: Not at this time(14) NO. OF BEDROOMS: 4 SYSTEM CAPACITY: UnknownSYSTEM STATUS: SYSTEM APPEARS TO BE OPERATING BORDERLINE.EXCESSIVE WATER IN SEPTIC AREA MUST BE ADDRESSED.

TANK INSPECTION: Home roof drainage flows directly over septic tank & valve assembly & part of leach field. Drainage must be diverted. Outlet pipe appears to be down as it exits tank. It is possible earth has settled over pipe. Sludge residue in discharge pipe. Level has been over pipe. We recommend all compartments be pumped before occupancy.

FIELD INSPECTION: Field Monitors were checked. All have standing water but is not surfacing. Two monitors are missing. None have caps. A Valve assembly is used to alternate field. All valves are under water. All valves are open. One should be closed & switched every 2 mos. Maximum field capacity or integrity could not be determined.

*****THIS INSPECTION APPLIES TO THIS DATE AND TIME ONLY*****

ALL PARTIES are advised that no test excavation of the leach field or observation of the septic tank during pumping was performed. If such additional inspection procedures are requested, then additional charges will be made therefore. Inspector has relied upon representations made to him of past performance of the sewage system.

DOMESTIC WATER CONSULTANTS, INC. nor any of its agents or employees under take or assume any liability to the owner of the above property, to any purchaser of the above property or to any lending agency making a loan to the above property in connection with either its examination of the property or in the report.

This inspection was conducted solely for the purpose of detecting health hazards observable at the time of inspection, and does not constitute a warranty that the system is without flaw or that it will continue to function in the future. Inspections requested during periods of rain, snowcover, or when a residence is un-occupied may be of questionable value.

DATE 11-23-04SIGNATURE: Lloyd H. Eschbacher, Pres.

DOMESTIC WATER CONSULTANTS, INC.

11/23/2004 23:05

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DWC INC

PAGE 03

FORM NO. CWS-39 11/90		SUPPLEMENTAL TEST REPORT		For Office Use only			
STATE OF COLORADO, OFFICE OF THE STATE ENGINEER							
1.	WELL PERMIT NUMBER <u>53144</u>						
2.	OWNER NAME(S) <u>Mike Wyatt</u> Mailing Address <u>5750 Lambert Ranch Tr.</u> City, St Zip <u>Sedalia, CO, 80135</u> Phone ()						
3.	WELL LOCATION AS DRILLED: <u>NE 1/4 NE 1/4 Sec. 16 Twp. 7 S. Range 68 W</u> DISTANCES FROM SEC. LINES: <u>300</u> ft. from <u>South</u> Sec. line. and <u>1475</u> ft. from <u>West</u> Sec. line. (north or south) (east or west) SUBDIVISION: <u>Lambert Ranch</u> LOT <u>11A</u> BLOCK <u> </u> FILING(UNIT) STREET ADDRESS AT WELL LOCATION: <u>5750 Lambert Ranch Tr.</u> <u>Sedalia, CO</u>						
4.	STATIC WATER LEVEL: <u>170</u> ft. Date <u>11-23-04</u> Time <u>11:00am</u> Measurement Method: <u>Sonic Well Probe</u> Length of airline (if used) <u> </u> ft.						
5.	PUMP: Type <u>Submersible</u> Horsepower <u>1.5</u> Setting <u> </u> feet. Power Source <u>230 VAC</u> Discharge pipe <u>1</u> in. Discharge Pressure <u>43-69</u> psi.						
6.	FLOW METER: Manufacturer <u>Master Meter</u> Type <u>In line</u> Diameter <u>3/4</u> inches. Average pumping rate <u>14.6</u> gpm. Volume pumped during test <u>1679</u> gals.						
7.	TEST DATA: Date of Test <u>11-23-04</u> Recovery Data						
	Time	Pumping Level (feet)	Drawdown (feet)	Pumping rate (gpm)	Pumping Pressure (psi)	Time	Water Level (feet)
	<u>11:55</u>	<u>170</u>	<u>0</u>	<u> </u>	<u>10.54</u>	<u>1:51</u>	<u>212</u>
	<u>11:57</u>	<u>191</u>	<u>21</u>	<u>15.5</u>	<u>55</u>	<u>1:52</u>	<u>210 pump off</u>
	<u>11:58</u>	<u>194</u>	<u>24</u>	<u>15</u>	<u>50</u>	<u>1:53</u>	<u>204</u>
	<u>11:59</u>	<u>195</u>	<u>26</u>	<u>14.75</u>	<u>43</u>	<u>1:54</u>	<u>193</u>
	<u>12:16</u>	<u>202</u>	<u>32</u>	<u>14.75</u>	<u>48</u>		
	<u>12:56</u>	<u>208</u>	<u>38</u>	<u>14.5</u>	<u>45</u>		
	<u>1:33</u>	<u>212</u>	<u>42</u>	<u>14.5</u>	<u>45</u>		
	<u>1:45</u>	<u>212</u>	<u>42</u>	<u>14.5</u>	<u>45</u>		
	<u>1:50</u>	<u>212</u>	<u>42</u>	<u>14.5</u>	<u>45</u>		
WELL YIELD WILL VARY SEASONALLY AND WITH WEATHER CHANGES.							
8.	DISINFECTION: Type <u>Hth Granules</u> Amt. Used <u>2oz</u> after sample collection						
9.	Water Quality analysis available. ☒ Yes ☐ No Sample collected at test discharge.						
10.	*****DWC IS NOT RESPONSIBLE FOR MECHANICAL FAILURES***** Remarks <u>DWC CERTIFIES 14.5 GPM WITH EXISTING PUMP, PRESSURE TANK AND PLUMBING, AT THE TIME OF THIS TEST.</u> <u>Flow Rate, Drawdown & Pump electric motor current stabilized.</u> <u>Pressure tank Drawdown = 11 gals between 48-68 psi.</u> <u>THERE IS NO GUARANTEE THIS WELL WILL MAINTAIN THIS RATE OF RECOVERY.</u> <u>THIS FLOW TEST IS FOR THIS DATE AND TIME ONLY.</u>						
11.	I have read the statements made herein and know the contents thereof, and that they are true to my knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.] CONTRACTOR <u>DOMESTIC WATER CONSULTANTS, INC.</u> Phone <u>(303) 423-4149</u> Lic. No. <u>1061</u> Mailing Address <u>9145 OBERON RD, #125</u> <u>ARVADA, COLORADO</u> <u>80004-5230</u>						
Name/Title (Please type or print)			Signature		Date		
LLOYD W. EICHACKER, PRES.			<i>Lloyd W. Eichacker</i>		11-23-04		

11/24/2004

22:32

3034235918

DWC INC

Colorado Department
of Public Health
and EnvironmentLaboratory Service Division
8100 Lowry Bouk J, Denver CO 80230-6928
US Mail: PO Box 17123, Denver CO 80217
(303) 692-3090 fax (303) 344-9989

Lab ID No.

ENW-2004008383

SAMPLE SITE

SAMPLE INFORMATION

DOMESTIC WATER CONSL
5750 LAMBERT RANCH TRCollected 11/23/2004 12:00:00J
Received 11/23/2004 3:36:00PM
Reported 11/24/2004
Collected By LE Matrix Drinking Water

CUSTOMER

COMMENTS

Domestic Water Consultants
9145 Oberon Road Unit 125

Arvada CO 80004

Contact Name Lloyd Eichacker
Contact Phone

PICK UP

Purpose Routine Chlorine residual Payment Type Paid

Test Name	Result	Method Name
Total coliforms PA	Coliform absent or less than one (<1), indicates a microbiologically safe sample	SM 9223
Escherichia coli PA		
Escherichia coli PA	E. coli not detected	
Total coliforms PA		SM 9223

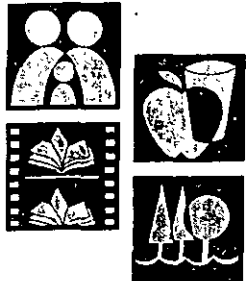
Nov 17 04 09:13p

Chris Banovich

303-850-1858

p.4

Form No. GWS-11 03/02	STATE OF COLORADO OFFICE OF THE STATE ENGINEER 818 Centennial Bldg., 1313 Sherman St., Denver, CO 80203 (303) 866-3581 Fax (303) 866-3589	For Office Use Only
CHANGE IN OWNERSHIP/ADDRESS CORRECTION OF THE WELL LOCATION		
Insert the Well Permit Number <u>53144</u>		
Name, address and phone of the person claiming ownership of the well: NAME(S) <u>WYATT</u> Mailing Address <u>5750 LAMBERT RANCH TR</u> City, St Zip <u>SEDALIA, CO 80135</u> Phone () _____		If your well has an absolute water right, decreed by the court and the well is not registered with the State Engineer, enter the Water Court Case Number / Civil Action Number and well number as decreed.
This form is filed by the named individual/entity claiming that they are the owner of the well permitted as referenced above. This filing is made pursuant to C.R.S. 37-90-143.		
WELL LOCATION: County <u>DOUGLAS</u> Owner's Well Designation <u>DOMESTIC</u> <u>5750 LAMBERT RANCH TRAIL</u> <u>SEDALIA</u> <u>CO</u> <u>80135</u> (Address) (City) (State) (Zip) <u>NE 1/4 of the NE 1/4, Sec. 16, Twp. 7</u> ☐ N. or ☒ S., Range <u>68</u> ☐ E. or ☒ W., <u>6</u> P.M. Distance from Section Lines <u>300</u> Ft. From ☒ N. or ☒ S., <u>1475</u> Ft. From ☐ E. or ☒ W. Line. Subdivision Name <u>LAMBERT RANCH</u> Lot <u>11</u> Block _____ Filing/Unit _____		
The above listed owner(s) say(s) that he, she (they) own the well described herein. The existing record is being amended for the following reasons: ☒ Change in name of owner ☐ Change in mailing address ☐ Correction of location for exempt wells permitted prior to May 8, 1972 and non-exempt wells permitted before May 17, 1965. Please see the reverse side for further information regarding correction of the well location.		
I (we) claim and say that I (we) (are) the owner(s) of the well described above and that the commencement of extraction of ground water from this well, lawfully made under the well permit, occurred on the date indicated, and that the statements made herein are true to my (our) knowledge.		
Please print the Signer's Name & Title	Signature(s) of the new owner.	Date
_____	_____	_____
It is the responsibility of the new owner of this well to complete and sign the form. Signatures of agents are acceptable if an original letter of agency signed by the owner is attached to the form upon its receipt.		
For Office Use Only		
State Engineer	By	Date



Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Richard L. Vogt, M.D.
Executive Director

FAX COVER SHEET

DATE: 12-15-04

TO: Chris Banovich

FAX #: 303 973 7093

TOTAL NUMBER OF PAGES (INCLUDING THIS PAGE): 2

FROM: Gary
Tri-County Health Department
Castle Rock Office

IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL
303/663-7650.



GEO-teknica Engineering

SOIL TESTS · PERCOLATION TESTS · FOUNDATION DESIGNS

P.O. Box 266
Franktown, Colorado 80116
Web: www.geo-teknica.com
Fax: 303-660-3615
Tel: 303-660-0300

**Dimensions Diversified
6200 S. Troy Circle, #110
Englewood, CO 80111**

**DESIGN SPECIFICATIONS FOR
ONSITE WASTEWATER TREATMENT SYSTEM**

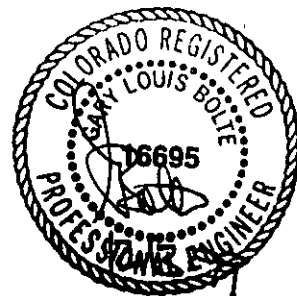
AT

**LOT 11
LAMBERT RANCH SUBDIVISION
DOUGLAS COUNTY, COLORADO**

DESIGN NO. 99-3104

REPORT NO. 99-807

December 13, 1999



GENERAL

As requested, we have investigated subsurface conditions at the subject site. The purpose of our investigation was to evaluate subsurface conditions and to design an onsite wastewater treatment system (OWTS)

SITE CONDITIONS

The site is a vacant lot located at **Lot 11, Lambert Ranch Subdivision, Douglas County, Colorado**. The location of the site, percolation tests and proposed OWTS are presented in Figure 1. The slope at the proposed site is approximately 8% to the west.

PROPOSED CONSTRUCTION

A 4-bedroom residence is proposed as indicated on Figure 1. The base sewage loading for a 4-bedroom dwelling is 600 gallons per day (GPD), (1440 GPD with a 1.5 safety factor and design loading factors for garbage grinder and washing machine).

SUBSURFACE CONDITIONS

Subsurface conditions were investigated by one profile test hole and three percolation holes, as indicated on Figure 1. Subsurface conditions encountered consist of sandy claystone to 10'. No free water was encountered in the profile pit. Percolation rates were 160 minutes per inch (MPI) for all three percolation test holes. The average percolation rate is 160 MPI.

RECOMMENDATIONS

Due to the bedrock encountered and the failed percolation rate, we recommend a low pressure shallow trench OWTS be installed in the natural soils. We recommend the OWTS be designed based on a percolation rate of 180 MPI, which is an application rate of 0.18 gallons/square foot/day (GAL/SF/DAY). This application rate utilizes slow rate soil absorption. The OWTS should be designed for a base sewage load of 600 GPD with appropriate design factors. A low pressure shallow trench disposal system design based on an application rate of 0.18 GAL/SF/DAY and a base sewage load of 600 GPD is presented on Figures 2 through 5. As indicated on Fig 2, the disposal field has an area of 7050 square feet (SF) in 8 sections. We recommend a minimum of 2-1000 gallon, 2-compartment septic tanks. From the second chamber of the second septic tank effluent will be pumped to the drip irrigation disposal field through 8 distribution valves. Dosing will be done by pumping of effluent from the final chamber of the septic tank. A minimum of 150 gallons per dose will be pumped to distribute effluent through a minimum of 33% of the disposal field. **The OWTS installer must be approved by this office before work begins on this system.**

If more bedrooms are added the system will have to be increased to accommodate the new sewage load which will mean an increase in tank size and field size. The installation of a properly sized OWTS to serve future buildout can be cost effective. The proposed septic tank configuration will serve up to a 5-bedroom residence.

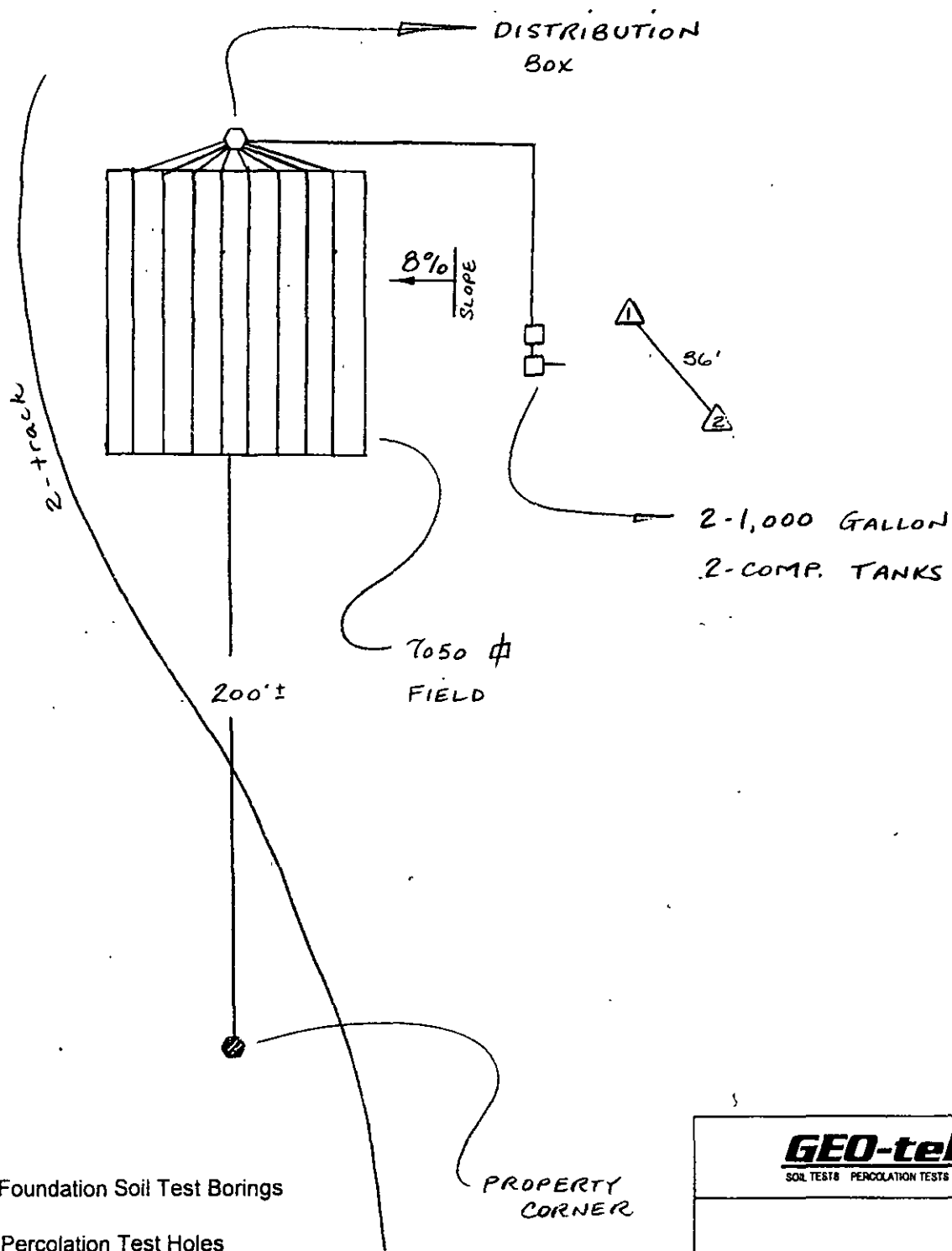
We recommend the surface of the field be seeded after installation of the drip irrigation system. A good native grass cover will prevent erosion. We recommend a seed mix such as a "Foothills, Pasture, or Prairie" mixes available at local seed stores. These mixes do not require irrigation and develop a growth 10 to 15 inches high. No automatic sprinkler system should be installed over the field.

The owner must realize an OWTS is different from public sewer service. The owner must be aware of and assume responsibility for maintenance of the system. The system is relatively maintenance free, but the owner must have the septic tanks pumped. We recommend the tanks be pumped every two years. There are daily considerations, such as not putting plastic or other nonbiodegradable material into the septic system. Water use must be monitored so toilets are not allowed to run when seals malfunction. To illustrate the point, it should be noted a running toilet will consume in excess of 1000 gallons per day, if allowed to run. As the system is designed for 600 GPD, an excess 1000 GPD loading could irreparably harm the system. No discharge from water softeners, spas, or pools should be directed to the OWTS.

LIMITATIONS

Our investigation, layout, and recommendations are based on data submitted. If conditions different from those described in this report are encountered, we should be notified to evaluate the effect of the changes on the proposed OWTS. If modifications to our recommendations are made by local health departments, we should be contacted to evaluate the impact to our OWTS recommendations.

Location Map

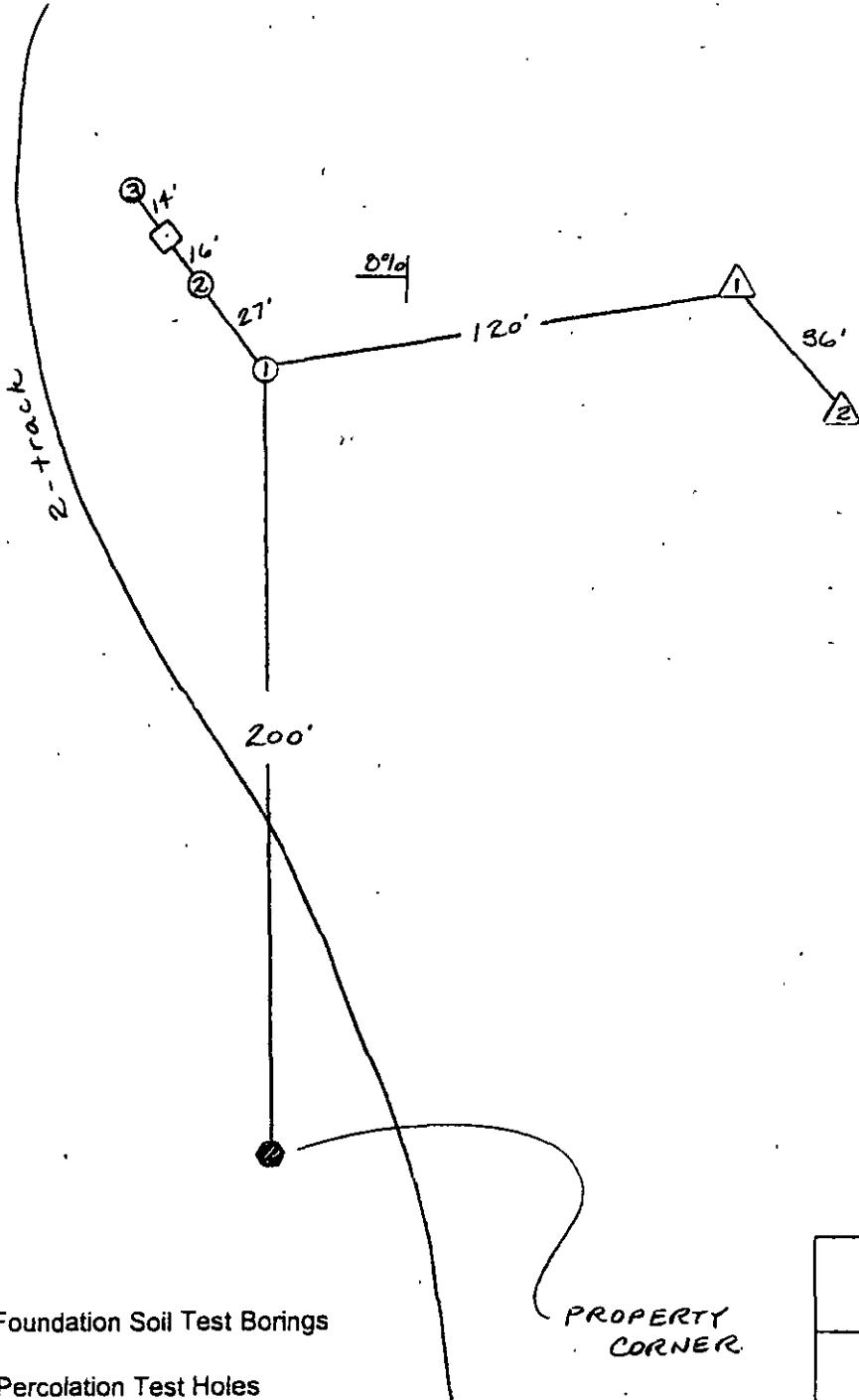


GEO-teknica
SOIL TESTS PERCOLATION TESTS FOUNDATION DESIGNS

99-807

Figure 1

Location Map



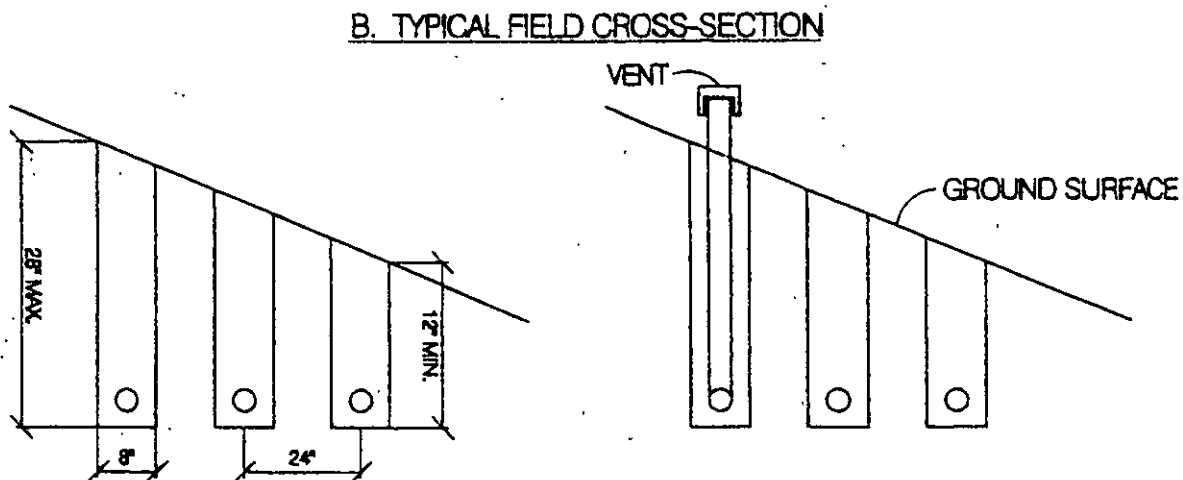
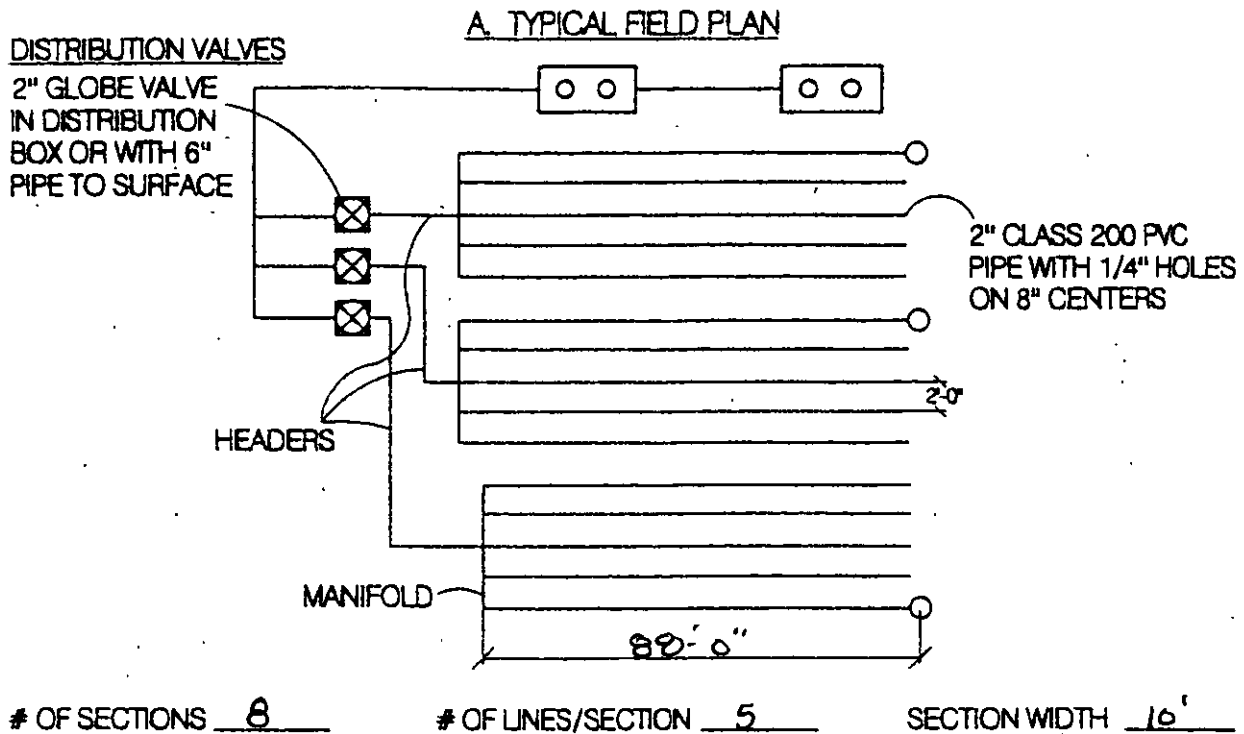
-  Foundation Soil Test Borings
 Percolation Test Holes
 Soil Profile Hole
 Unsuitable Soil Profile Hole

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SOIL TESTS PERCOLATION TESTS FOUNDATION DESIGNS

99-807

Figure 1

DETAIL OF DISTRIBUTION LATERALS



C. SPECIFICATIONS

TREATMENT UNIT

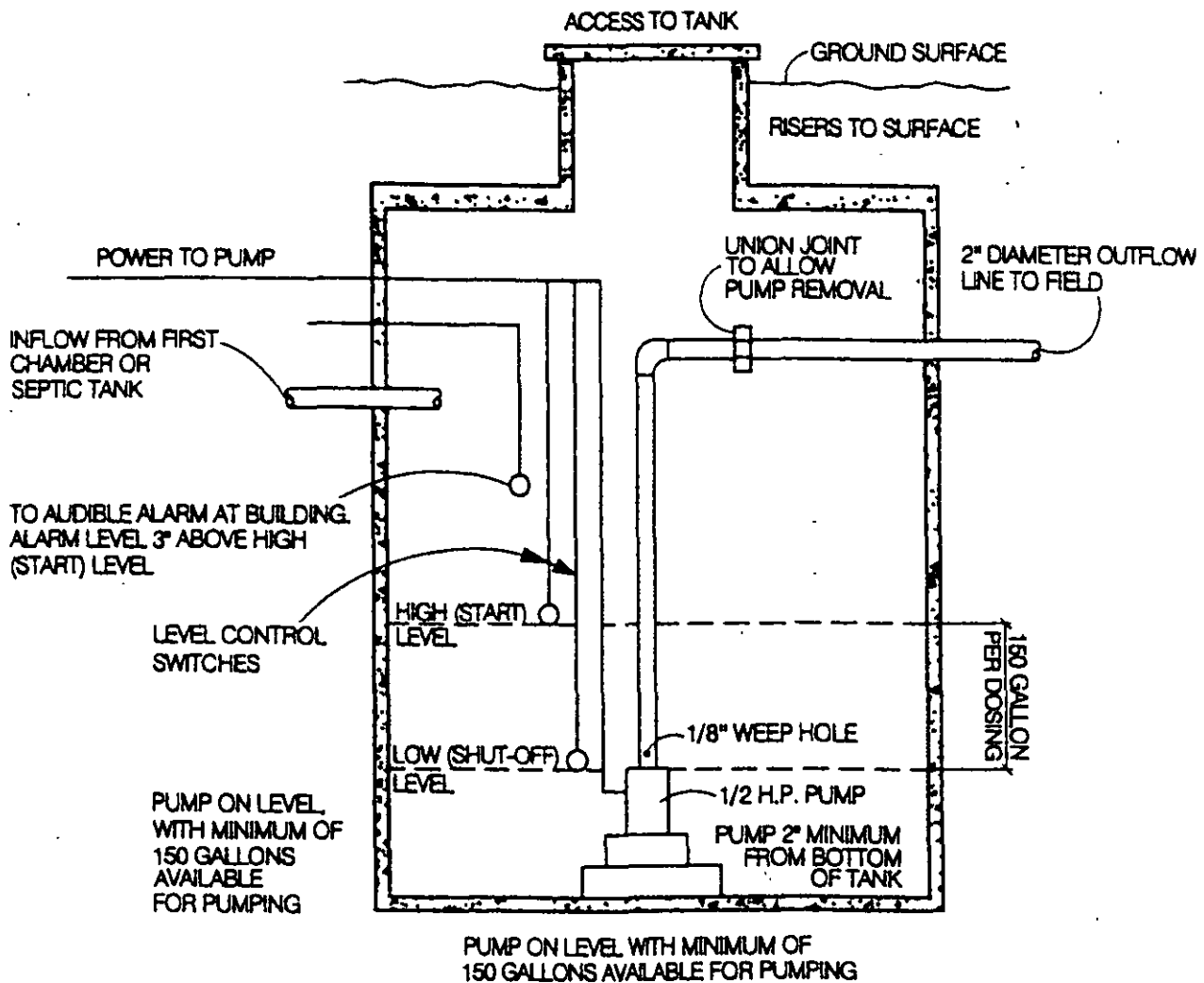
1. TWO 1000 GALLON 2 COMPARTMENT SEPTIC TANKS WITH PUMP IN SECOND CHAMBER OF SECOND TANK.
2. PUMP 1/2 HP Gould or Equal
3. ALARM/CONTROL LOCATED BY OWNER
4. # OF RISERS TO SURFACE _____
5. DRAIN BACK TO — PUMP; — FIELD
6. OTHER _____

DISTRIBUTION FIELD

1. BEDROOMS 4 (Q GAL.) 1600
2. DESIGN PERCOLATION RATE (MPI) 18.0
3. DISPOSAL RATE (R GAL/SF/DAY) .18
4. REQUIRED AREA OF FIELD 1080
5. DESIGN FIELD AREA (SQ. FT.) 1050
6. LINEAR FT. (PIPE) 3525
7. OTHER _____

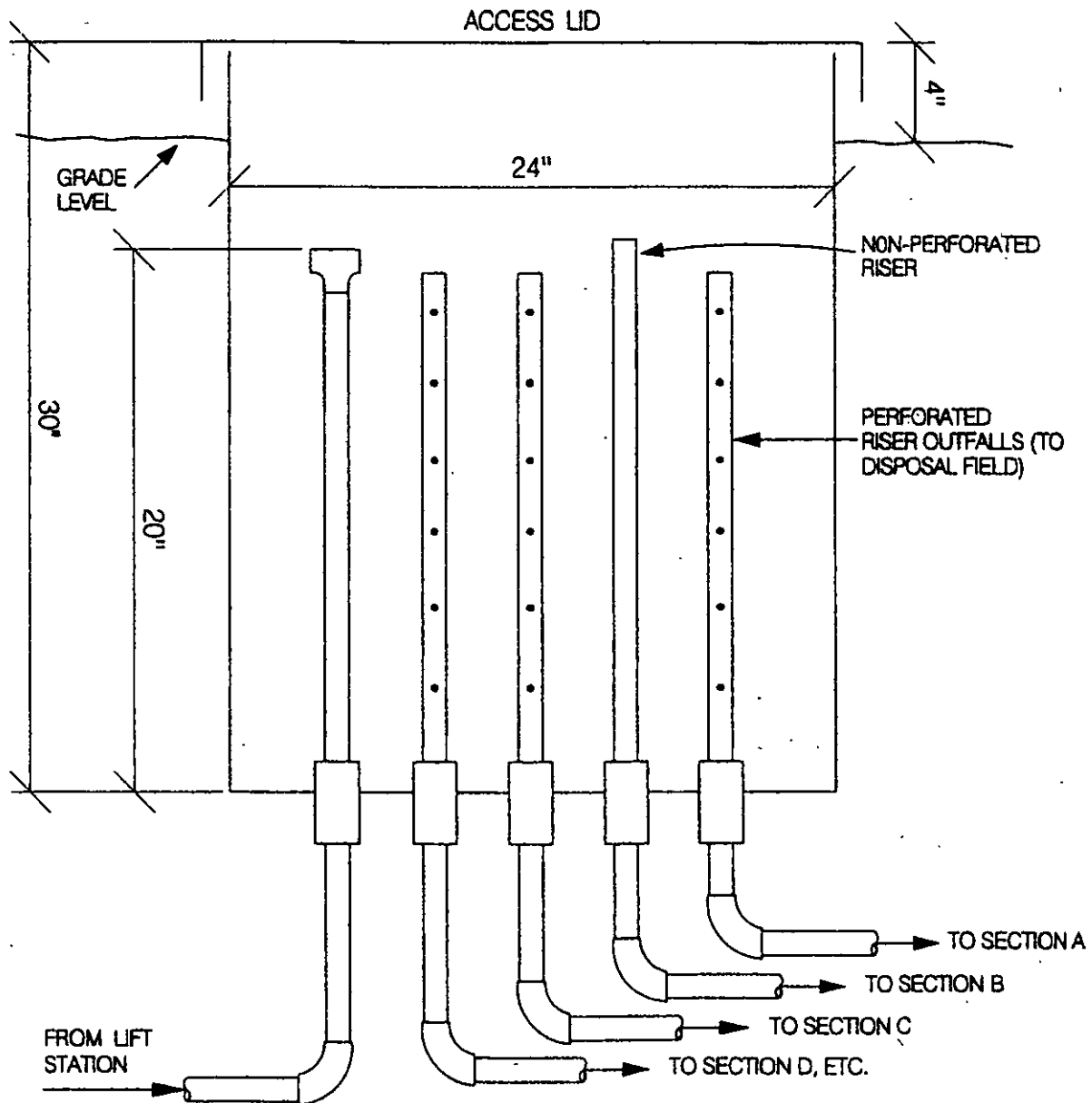
FIGURE 3

PUMP CHAMBER DETAIL



SECOND COMPARTMENT OF SECOND 1,000 GALLON
TANK OR SEPARATE 500 GALLON CHAMBER

ALTERNATE SURGE TANK DETAIL

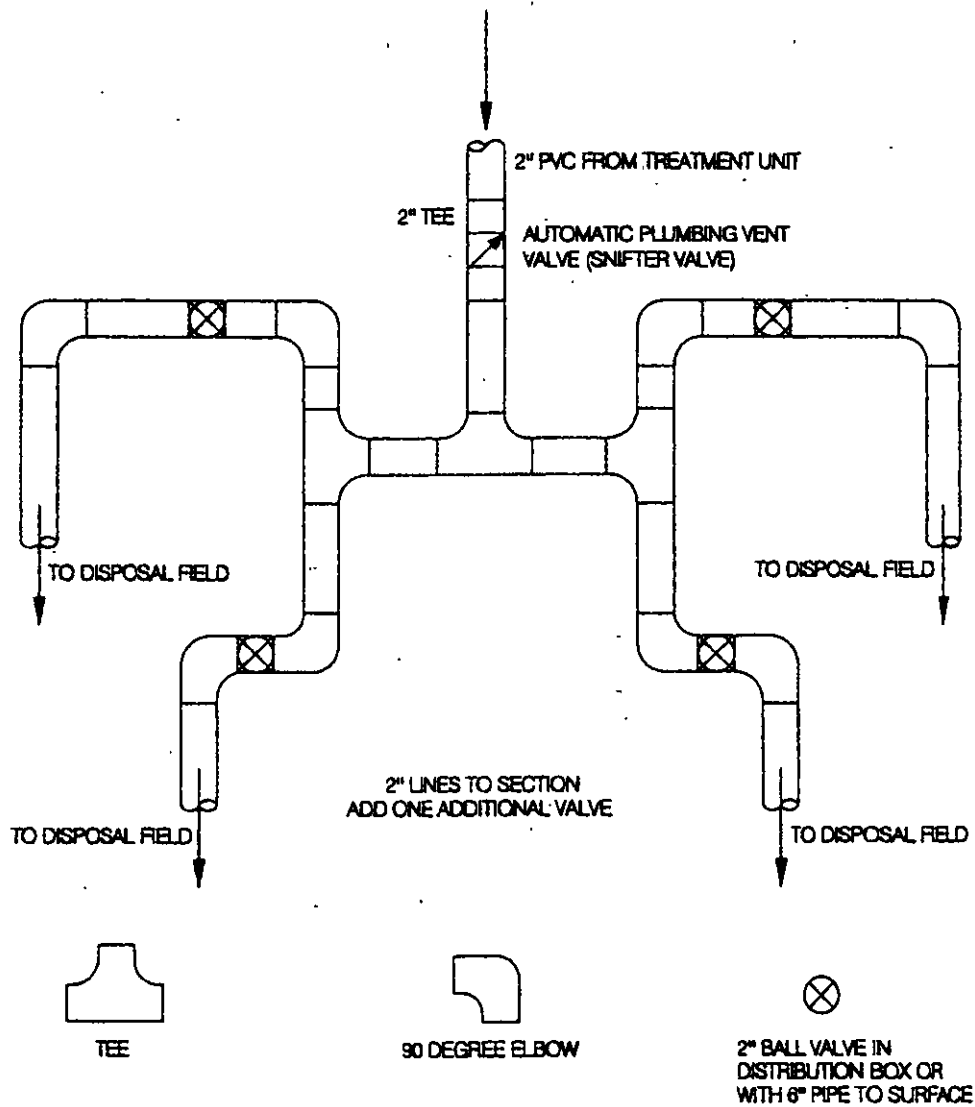


DISTRIBUTION PIPE SHOULD SLOPE DOWNGRADE
TO LATERALS FOR FROST PROTECTION.

TO EXTEND THE LIFE OF THE FIELD, WE RECOMMEND ONE SECTION OF THE FIELD BE CLOSED AT ALL TIMES TO ALLOW DRYING OF THAT FIELD. THIS CAN BE ACCOMPLISHED BY SEQUENTIALLY ROTATING THE NON-PERFORATED TALL RISER TO ONE SECTION OF THE FIELD EVERY SIX MONTHS.

FIGURE 5A

DETAIL OF DISTRIBUTION VALVES



IN ORDER TO EXTEND THE LIFE OF THE FIELD, WE RECOMMEND THAT ONE SECTION OF THE FIELD BE CLOSED AT ALL TIMES TO ALLOW DRYING OF THAT FIELD. THIS CAN BE ACCOMPLISHED BY SEQUENTIALLY CLOSING THE VALVE TO ONE SECTION OF THE FIELD EVERY SIX MONTHS.

FIGURE 5

Tri-County Health Department

Percolation Test and Soils Data Form

Property address 5750 LAMBERT RANCH TRAIL

Legal description Lot 11, Lambert Ranch, Douglas County

Property Owner:

Name Dimensions Diversified

Address 6200 S. Troy Circle, #110, Englewood, CO 80111

Phone _____

Note:

- Percolation Test Form, Site Plan and Grain Size Distribution Curve of the Sample must be submitted with this form.
- For all <5 acres the site plan must include the entire lot. Test locations must be accurately tied to lost corners or other permanent markers.

Saturation and Swelling

- Smeared surfaces removed: X Yes No
- Sand or gravel added: X Yes No
- Date and time presoak water added:
10/21/99 9:15 AM
- Amount of presoak water added (gallons):
± 6½
- Date and time percolation test is started:
10/22/99 10:00 AM
- Did water remain in the hole after the overnight swelling period:
Hole 1 Yes X No
Hole 2 Yes X No
Hole 3 Yes X No

Percolation Rate Measurement

Percolation Rate (min./in.)	Hole 1	<u>160</u>
	Hole 2	<u>160</u>
	Hole 3	<u>160</u>
	Average	<u>160</u>

Groundwater:

- Encountered @ NE feet.
- Estimated depth to maximum seasonal water table if not encountered in profile: UNKNOWN
- Is area believed to be subject to seasonal fluctuations which could result in a seasonal water table within 8' of surface?
 Yes X No

Slope determination in absorption area: 8 % to the W (direction)

Bedrock:

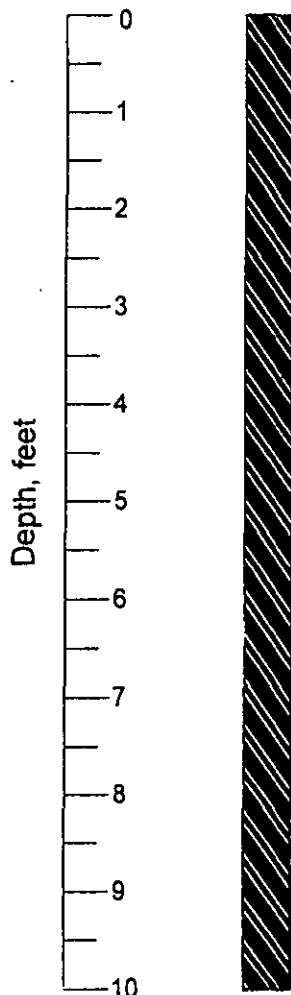
- Encountered @ surface:
- Estimated depth if not encountered in profile: 20-30'
- Type of bedrock: Sandstone
X Claystone Siltstone
 Other
- Is bedrock fractured or weathered?
 Yes X No
- Is bedrock believed to be permeable?
(Perc rate <60 min./in.)
 Yes X No

Profile Hole Information

(Soils must be classified using Unified System ASTM D2487)

GEO-teknica Engineering Job No: 99-807

Profile Hole Log



CLAYSTONE; sandy (CLS)

Drive Sample Taken at 36"

50/6 Blow Count

10% Moisture Content

68% Passed the #200 Sieve

Certification

I certify that the above information is correct and complete to the best of my knowledge and that all tests were performed in accordance with the provisions of Tri-County Health Department Regulation I-96 by myself or under my supervision.

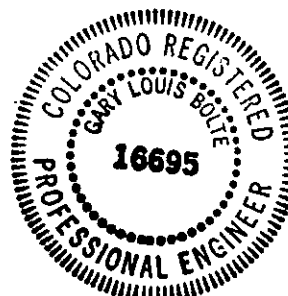

Original Signature

11.9.99
Date

GEO-teknica Engineering
Company Name

P.O. Box 266, Franktown, Co 80116
Address

(303) 660-0300
Phone



Original Seal

TRI-COUNTY HEALTH DEPARTMENT
PERCOLATION TEST RESULT FORM
 JOB NO. 99-807

HOLE NO.	HOLE DEPTH (IN.)	LENGTH OF INTERVAL (MIN.)	WATER ADDED	WATER DEPTH @ START OF INTERVAL (IN.)	WATER DEPTH @ END OF INTERVAL (IN.)	DROP IN WATER LEVEL (IN.)	PERCOLATION RATE @ FINAL INTERVAL (MIN./IN.)
1	48	30		8.0000	7.3750	0.6250	160
		30		7.3750	7.0625	0.3125 $\frac{5}{16}$	
		30		7.0625	6.8125	0.2500 $\frac{1}{4}$	
		30		6.8125	6.6250	0.1875 $\frac{3}{16}$	
2	56	30		8.0000	7.7500	0.2500	160
		30		7.7500	7.5000	0.2500 $\frac{1}{4}$	
		30		7.5000	7.3125	0.1875 $\frac{3}{16}$	
		30		7.3125	7.1250	0.1875 $\frac{3}{16}$	
3	36	30		8.0000	7.6875	0.3125	160
		30		7.6875	7.4375	0.2500 $\frac{1}{4}$	
		30		7.4375	7.2500	0.1875 $\frac{3}{16}$	
		30		7.2500	7.0625	0.1875 $\frac{3}{16}$	

** WATER ADDED

*FIELD NOTES SHALL BE RECORDED ON THIS FORM OR IN THIS FORMAT; TYPED COPIES OF FIELD RECORDS MAY BE SUBMITTED ON THIS FORM.

*A FOUR HOUR TEST MUST BE CONDUCTED UNLESS (A) WATER REMAINS IN THE HOLE AFTER THE PRESOAK IN WHICH CASE ONE 30 MIN. INTERVAL IS SUFFICIENT (B) THE FIRST 6" OF WATER SEEPS AWAY IN <30 MINUTES IN WHICH CASE A ONE-HOUR TEST OF 6-10 MINUTE TIME INTERVALS MAY BE USED, (C) THE TEST IS BEING CONDUCTED IN SAND IN WHICH CASE A ONE-HOUR TEST OF 6-10 MINUTES TIME INTERVALS MAY BE USED, (D) THREE SUCCESSIVE WATER LEVEL DROPS DO NOT VARY BY MORE THAN 1/16 INCH IN WHICH CASE A TWO HOUR TEST MAY BE CONDUCTED.

TCHD 13.4C-1 6/96

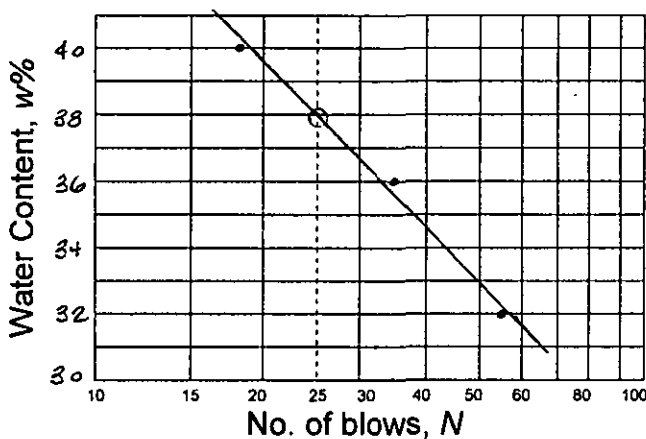
Atterberg Limits Determination Data Sheet

GEO-teknica Engineering
P.O. Box 266, Franktown, CO 80116
Phone: 660-0300

Project: Custom Home Job No: 99-807
Location of Project: Lot 11, Lambert Ranch County: Douglas Sample: SPH
Description of Soil: This soil is classified CLS with inorganic clays of low to medium plasticity.
Depth of Sample: 3' Tested by: SLB Date: 10/28/99

Liquid Limit Determination

Can no.	AA	FF	RR	
Mass of wet soil + can	16.77	17.09	16.48	
Mass of dry soil + can	15.95	16.33	15.96	
Mass of can	13.88	14.22	14.36	
Mass of dry soil	2.07	2.11	1.60	
Mass of moisture	0.82	0.76	0.52	
Water content, w%	40	36	32	
No. of blows <i>N</i>	18	35	55	
Penetration <i>D</i> , mm				



Flow index $F_I =$ _____

Liquid limit = 37.90

Plastic limit = 19.00

Plasticity index $I_p =$ 18.90

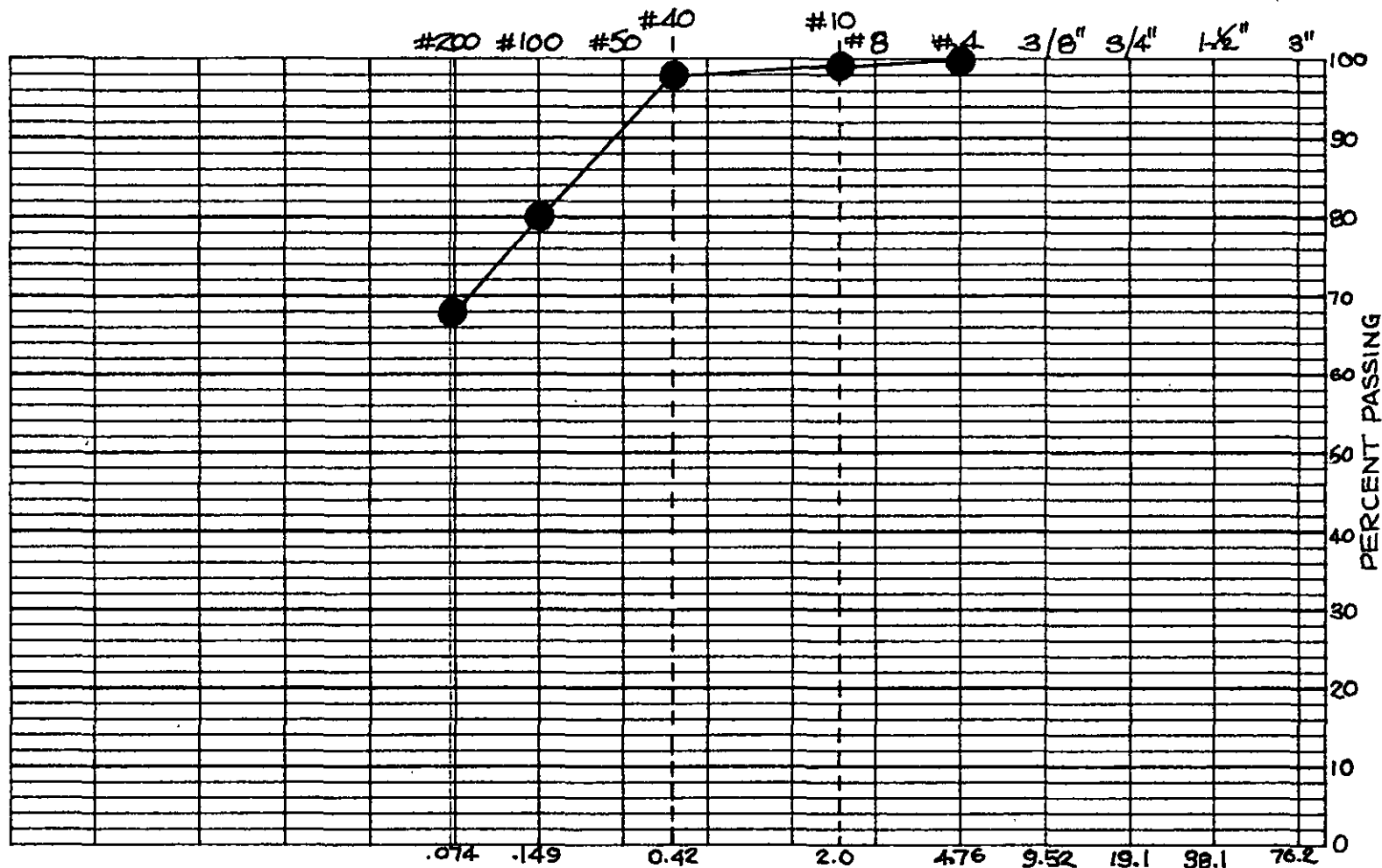
Plastic Limit Determination

Can no.	PP			
Mass of wet soil + can	16.67			
Mass of dry soil + can	16.27			
Mass of can	14.17			
Mass of dry soil	2.10			
Mass of moisture	0.40			
Water content, w% = w_p	19			

PARTICLE SIZE DISTRIBUTION ANALYSIS

DATE SAMPLED 10/21/99 HOLE No. SPH SAMPLE DEPTH 3' REPORT No. 99-807
 SAMPLE LOCATION LOT 11, LAMBERT RANCH SUB.

SIEVE ANALYSIS



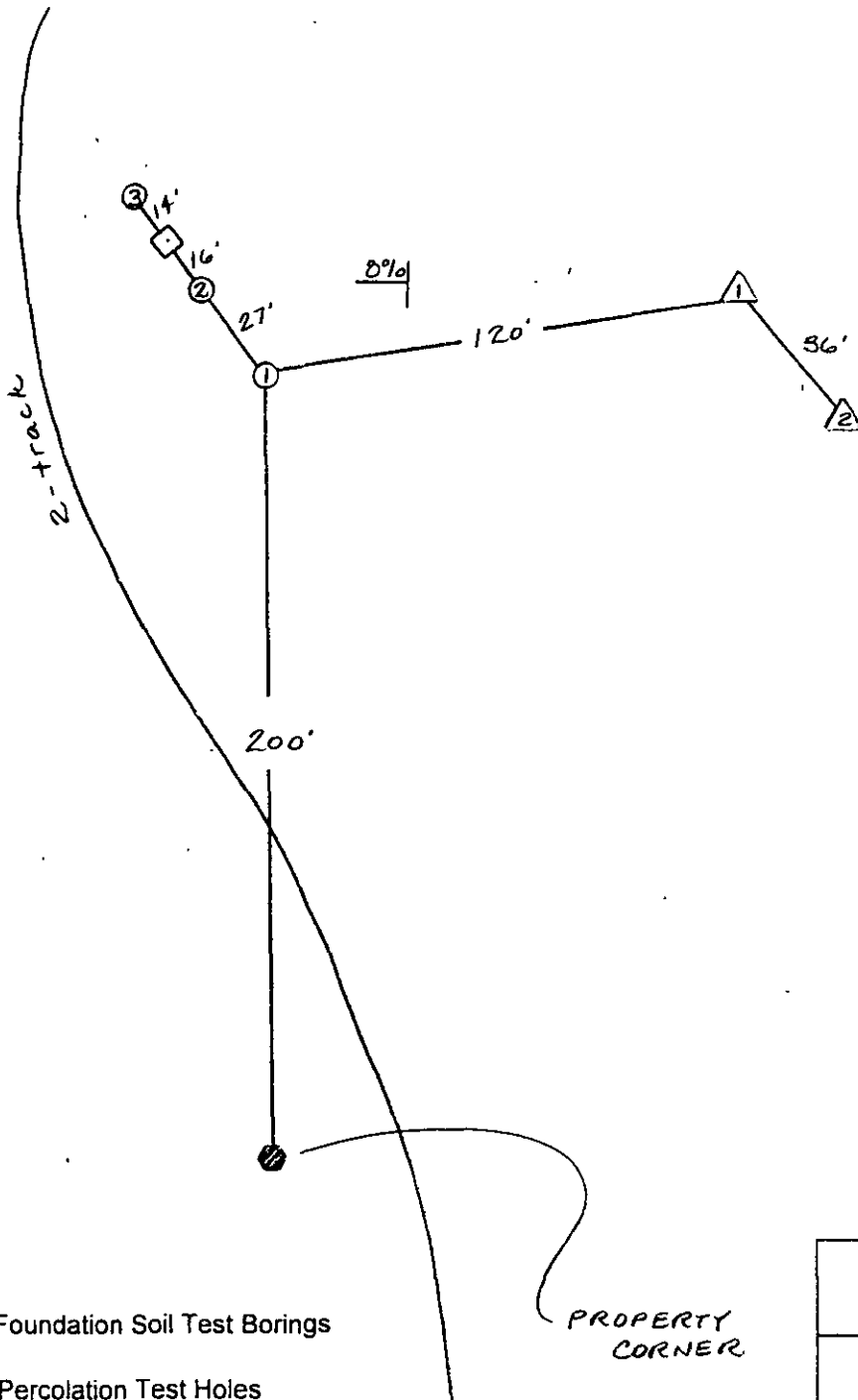
SIEVE No.	PERCENT PASSING
3.0	
1.5	
3/4	
3/8	
#4	100
#8	
#10	99
#40	98
#50	
#100	80
#200	68

SOIL
CLASSIFICATION

DIAMETER OF PARTICLES IN MILLIMETERS

CLAY (PLASTIC) TO SILT (NON PLASTIC)		SAND			GRAVEL	
		FINE	MEDIUM	COARSE	FINE	COARSE

Location Map

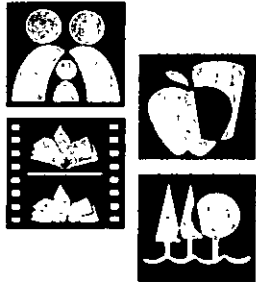


-  Foundation Soil Test Borings
 Percolation Test Holes
 Soil Profile Hole
 Unsuitable Soil Profile Hole

GEO-teknica
SOIL TESTS PERCOLATION TESTS FOUNDATION DESIGNS

99-807

Figure 1



Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Chris J. Wiant, M.P.H., Ph.D.
Executive Director

March 30, 2001

INDIVIDUAL SEWAGE DISPOSAL SYSTEM
5750 Lambert Ranch Trail

To Whom It May Concern:

Due to the proposed basement finish of the residence located at the above referenced address, the Douglas County Building Department has requested that this office evaluate the size of the existing septic system.

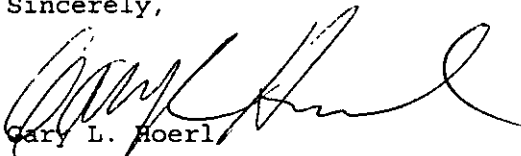
This system was originally sized for a 4 bedroom home. The new addition includes adding 1 bedroom. The home presently has 4 bedrooms. The existing leachfield is undersized for 5 bedrooms. We will not require a new system be installed or the existing system be expanded.

However, should the system malfunction, this Department will require a new individual sewage disposal system be installed. The system must also be updated to the number of existing bedrooms and according to the regulations in effect at that time.

The owner must also realize that should the property sell or be refinanced, this Department would have to state to the lender that this system is undersized for the amount of bedrooms existing in the home. This type of statement on a loan inspection may negate a loan approval.

If you have any questions, please contact this office at 303-663-7650.

Sincerely,



Gary L. Hoerl
Environmental Health Specialist

GLH/bd

April 30, 2001

Becky
Tri County Health Dept.
101 3rd Street
Castle Rock, CO 80401

Dear Becky:

Douglas County Planning Department has requested a letter from Tri county regarding the approval to finish out my basement at our house located at 5750 Lambert Ranch Trail, Sedalia, CO 80135. Our home currently has 4 bedrooms and with the basement finished out, we will have a total of 5 bedrooms.

Please forward via fax to me a letter from Tri County approving this plan. My fax # is 303-814-8569. Should you need to contact me directly, my home phone is 303-814-3153.

Thank You,

A handwritten signature in black ink, appearing to read "Chuck Price", written over a faint, dashed rectangular box.

Chuck Price

SITE VISIT WORKSHEET

Permit Number: 1999-07-012620

Date Printed: December 10, 1999

Property Location: 5750 Lambert Ranch Trail Parcel 11

County: Douglas

Owner: Dimensions Diversifie, Inc.

SITE INFORMATION AS REPORTED BY ENGINEER:

PERC RATE:

Holes:

One 160 Two 160 Three 160 Four _____ Five _____ Six _____ Avg Rate 160 Sizing Rate 180+

CIRCLE ONE:

Bedrock Encountered? Yes No If Yes, Type CS Depth to Bedrock (ft) 0

Ground Water Encountered? Yes No If Yes, Depth to Groundwater (ft) _____

Ground Slope at Absorption Area (%) 8

Max depth of disposal area (in) 50 (not to exceed depth of percolation test holes)

Min depth of disposal area (in) 22

SOIL CLASSIFICATION: Most prohibitive soil below bottom of bed (circle one)

CL Clay (low-med plasticity)	CH Clay (high plasticity)	MH Silt
ML Silt	ML-CL Silt & Clay	SC Clayey Sand
SM-SC Silty Clayey Sand	SM Silty Sand	SW Sand, Well Graded
SP Sand, Poorly Graded	GC Clayey Gravel	GM-GC Silty Clayey Gravel
GM Silty Gravel	<u>BR Bedrock</u>	GW Gravel, Well Graded

FIELD OBSERVATIONS:

Field Observations Consistent with Engineer's Data: Yes No

IF NO, complete below (circle one)

Bedrock Encountered? Yes No If Yes, Type _____ Depth to Bedrock (ft) _____

Ground Water Encountered? Yes No If Yes, Depth to Groundwater (ft) _____

Ground Slope at Absorption Area (%) _____

Max depth of disposal area (in) _____ (not to exceed depth of percolation test holes)

Min depth of disposal area (in) _____

SOIL CLASSIFICATION:

CL Clay (low-med plasticity)	CH Clay (high plasticity)	MH Silt
ML Silt	ML-CL Silt & Clay	SC Clayey Sand
SM-SC Silty Clayey Sand	SM Silty Sand	SW Sand, Well Graded
SP Sand, Poorly Graded	GC Clayey Gravel	GM-GC Silty Clayey Gravel
GM Silty Gravel	BR Bedrock	GW Gravel, Well Graded

CONTINUED ON THE NEXT PAGE

SITE VISIT WORKSHEET

Permit Number: 1999-07-012620

Date Printed: December 10, 1999

RECORD OF SITE VISITS:

(It is important to record any extra visits for billing purposes)

Visit 1 Date 12-20-99

By (EHS #) 832

Visit 2 Date _____

By (EHS #) _____

Visit 3 Date _____

By (EHS #) _____

Visit 4 Date _____

By (EHS #) _____

SPECIAL CONDITIONS

Install per GEO-Teknica Engineering
Design NO. 99-3104, dated December 13, 1999.
A test pit will be required prior to the start
of system installation. B. B. B.

COMMENTS

8' backhoe dug profile hole observed. 0-2' topsoil, 2-8'
Fractured claystone. All percolation holes found. AK-12-29-99

Signature TCHD Inspector: _____

Carol Hurl

Date

12-20-99

OWNER: R. M. L. PRESIDENT

ARCHITECT:
ROBERT A. INNES
P.O. Box 36217
Denver, Colorado 80236
303.871.6034

Drawing Title

DATE	REVISION/SUBMISSION
DEC 3	TRI-COUNTY
OCT 25	ENR
OCT. 9	CLIENT REVIEW



Parcel Eleven
Lambert Ranch
Douglas County, Colorado

SCALE 1"=20'-0"

Mat Lat OPI