

# 2011 Onsite Septic System Application

Becker County Planning & Zoning  
 915 Lake Ave, Detroit Lakes, MN 56501  
 Phone (218)-846-7314; Fax (218)-846-7266

PARCEL	340057000
APP	SEPTIC
YEAR	2011
SCANNED	

**RECEIVED**

AUG 15 2011

**1. PROPERTY DATA (as it appears on the tax statement, purchase agreement or deed)**

Parcel Number(s) of property where the system will be installed: 340057000

Is this a split of an existing property? Yes  No  (If yes and a parcel number has not yet been assigned, indicate the main parcel number from which the new parcel was split.) Section 10 Township 141 Range 36 Township Name \_\_\_\_\_

Legal Description Beq 20 Rds W of NE Cor of NE 1/4 Th W 20 Rds  
Th 516 Rds Th E 20 Rds Th N 16 Rds to Beq

Is the property located within 1000 feet of a lake, 300 feet of a river or 50 ft of a wetland? Yes  No   
 If so, which one: lake river wetland (circle correct water body) Lake/River Name \_\_\_\_\_

Project Address: 55789 Co #44

**2. PROPERTY OWNER INFORMATION (as it appears on the tax statement, purchase agreement or deed)**

Owner's First Name Bob Owner's Last Name HULLA

Owner's Mailing Address: 55789 Co #44 Park Rapids Mn 56470

**3. DESIGNER/INSTALLER INFORMATION**

Designer's Company Name TheLens Exc Inc Designer's Name Leonard TheLen Sr

License # 534 Address 33438 535th Ave Phone Number 218-732-5345  
Park Rapids Mn 56470 218-820-5613 C

Installer's Company Name TheLens Exc Inc Installer's Name Leonard TheLen Sr

License # 534 Address 33438 535th Ave Phone Number 218-732-5345  
Park Rapids Mn 56470 218-820-5613 C

**4. SYSTEM DESIGN INFORMATION U of M worksheets and site plan must accompany this form. Worksheets may be found at: <http://septic.umn.edu/>.**

Size of All Tanks to be installed 1000 gal Septic Tank \_\_\_\_\_ gal Tank with \_\_\_\_\_ gal Lift Station (2 compartment tank)  
 \_\_\_\_\_ gal Lift Station (separate tank) \_\_\_\_\_ gal Holding Tank \_\_\_\_\_ Existing tank to be used  
 \_\_\_\_\_ gal Holding Tank with Privy \_\_\_\_\_ pit privy

Total Number of tanks to be installed in this system 1 (This # will be reported to MPCA at end of year.)  
 If using chamber, Brand & Model of Chamber \_\_\_\_\_ # of chambers to be installed 0

	TANK	SETBACKS DRAINFIELD	This work will:
Distance to Well	<u>20</u>		<input type="checkbox"/> install a system on a vacant lot (never had structures on the property) (new)
Distance to Building	<u>10</u>		<input type="checkbox"/> install a system on a lot where the structure has been removed and being rebuilt (replacement)
Distance to Property Line	<u>20</u>		<input type="checkbox"/> install an additional system on the property (new)
Distance to OHW of Lake	<u>NL</u>		<input type="checkbox"/> replace/repair existing system (failing)
Distance to Pressure Line	<u>50</u>		<input checked="" type="checkbox"/> enlarge existing system (undersized)
Distance to Wetland/Protected Water	<u>400</u>		

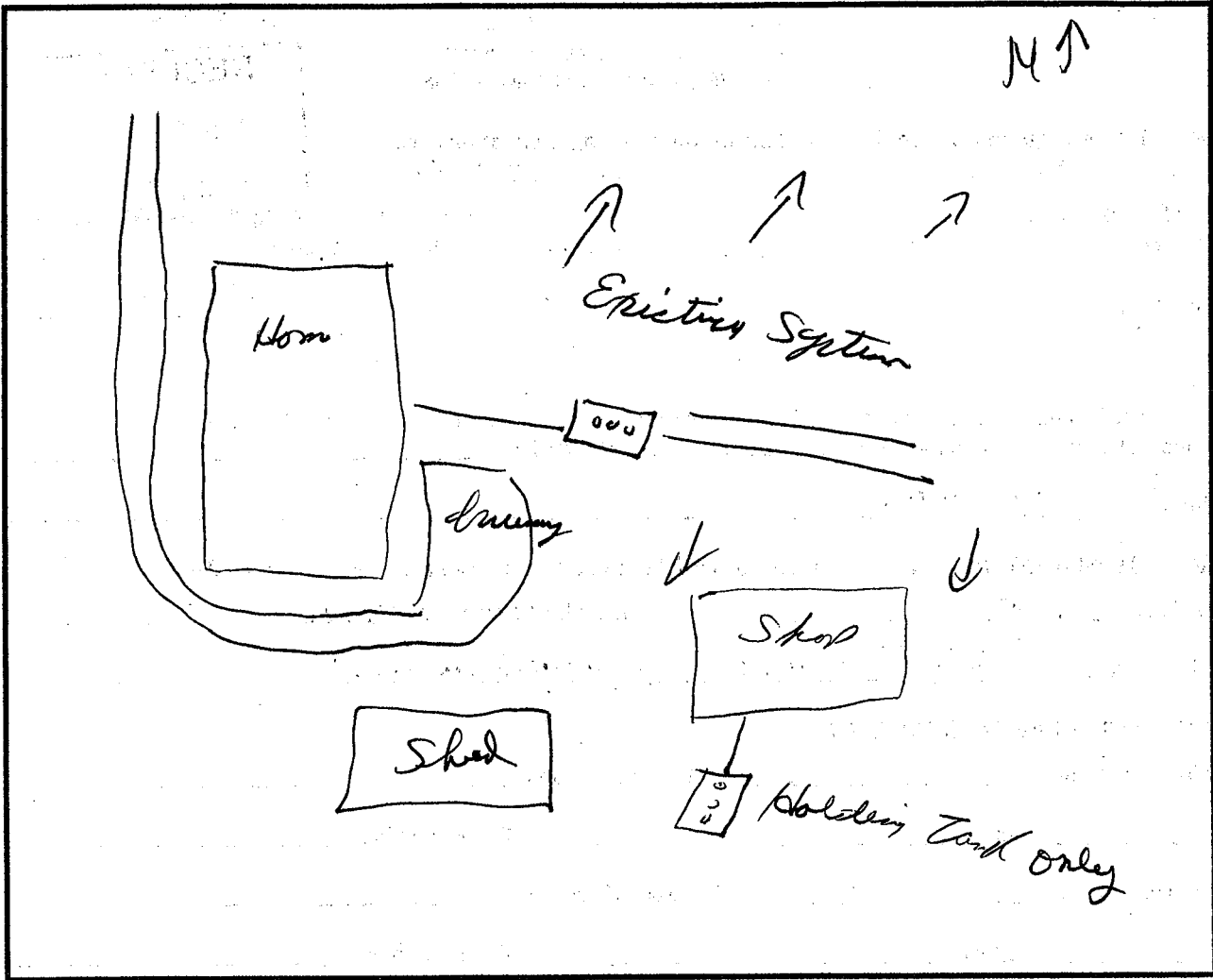
**5. DESIGNER'S CERTIFIED STATEMENT**

I, LEONARD THELEN SR certify that I have completed the preceding design work in accordance with all applicable requirements (including, but not limited to Minnesota Chapter 7080 and the Becker County Individual Sewage Treatment System Ordinance).

Leonard Thelen Signature of Designer Leonard Thelen Date

# Site Evaluation Map

340057000 se/11



List any construction issues: \_\_\_\_\_  
 \_\_\_\_\_

## Mapping Checklist

Map scale: \_\_\_\_\_ indicate north \_\_\_\_\_ show slope \_\_\_\_\_ % direction \_\_\_\_\_

### Locate

- \_\_\_ lot dimensions/property lines
- \_\_\_ dwellings and other improvements
- \_\_\_ existing and/or proposed system(s)
- \_\_\_ replacement area
- \_\_\_ unsuitable area(s)
- \_\_\_ public water supply wells
- \_\_\_ pumping access
- \_\_\_ inner wellhead zone

### Easements

- \_\_\_ phone
- \_\_\_ electric
- \_\_\_ gas

### Elevations

- \_\_\_ borings
- \_\_\_ benchmark
- \_\_\_ perc tests
- \_\_\_ horiz&vert reference pts

### Setbacks

- \_\_\_ building
- \_\_\_ all water wells within 100ft
- \_\_\_ pressure pipe
- \_\_\_ water suction pipe
- \_\_\_ streams, lakes, rivers
- \_\_\_ floodway and fringe

I hereby certify this work has been completed in accordance with all applicable ordinances, rules and laws.

*Leonard Melen*

(signature)

(date)

534

(license #)

218-820-5613

(phone number)

# University of Minnesota Site Evaluation For 5/16/2005



Property Owner(s) 1 Bob Heulla 340057000 Phone Number 732  
 Address 55789 Co NY  
 P.I.D. 340057000 Section 10 Township 121 N Range 36 W  
 Date \_\_\_\_\_ Time \_\_\_\_\_ Weather conditions \_\_\_\_\_

Location Information  
 (check all that apply)  shoreland  dwelling  replacement system  
 protection area  other establishment  new home construction

### Homeowner Information

No. of bedrooms (if applicable) 3 bedrooms (includes possible additions)  
 No. of residents in home \_\_\_\_\_ adults \_\_\_\_\_ children  
 Estimated flow \_\_\_\_\_ gpd  
 Well casing depth \_\_\_\_\_ feet  
 Water using devices (check)  
 Garbage disposal  Water softener  
 Dishwasher  Sump pump  
 Large bathtub  High eff. furnace  
 Laundry/large tub on 2nd floor  Jacuzzi/hottub

Water use concerns (check)  
 Toilet/faucet leaks  Max load laundry/day  Long term prescription medications  
 Home business  Lint screen  Antibact. soap  Frequent parties or out of town guests

### Soil Data

Soil texture classification:  
 Unnatural soil (check)  Yes  No  
 Type of observation (check)  Probe  Pit  Boring  
 Parent material (check)  Till  Outwash  Loess  Bedrock  Alluvium  
 Vegetation type (check)  Wet  Dry  Unknown  
 Slope form (check)  Summit  Shoulder  Back  Foot  Toe  
 Drainage (check)  Good  Fair  Poor  Ponding  Flooding  
 Located in floodplain (check)  Yes  No

### Site Summary Data

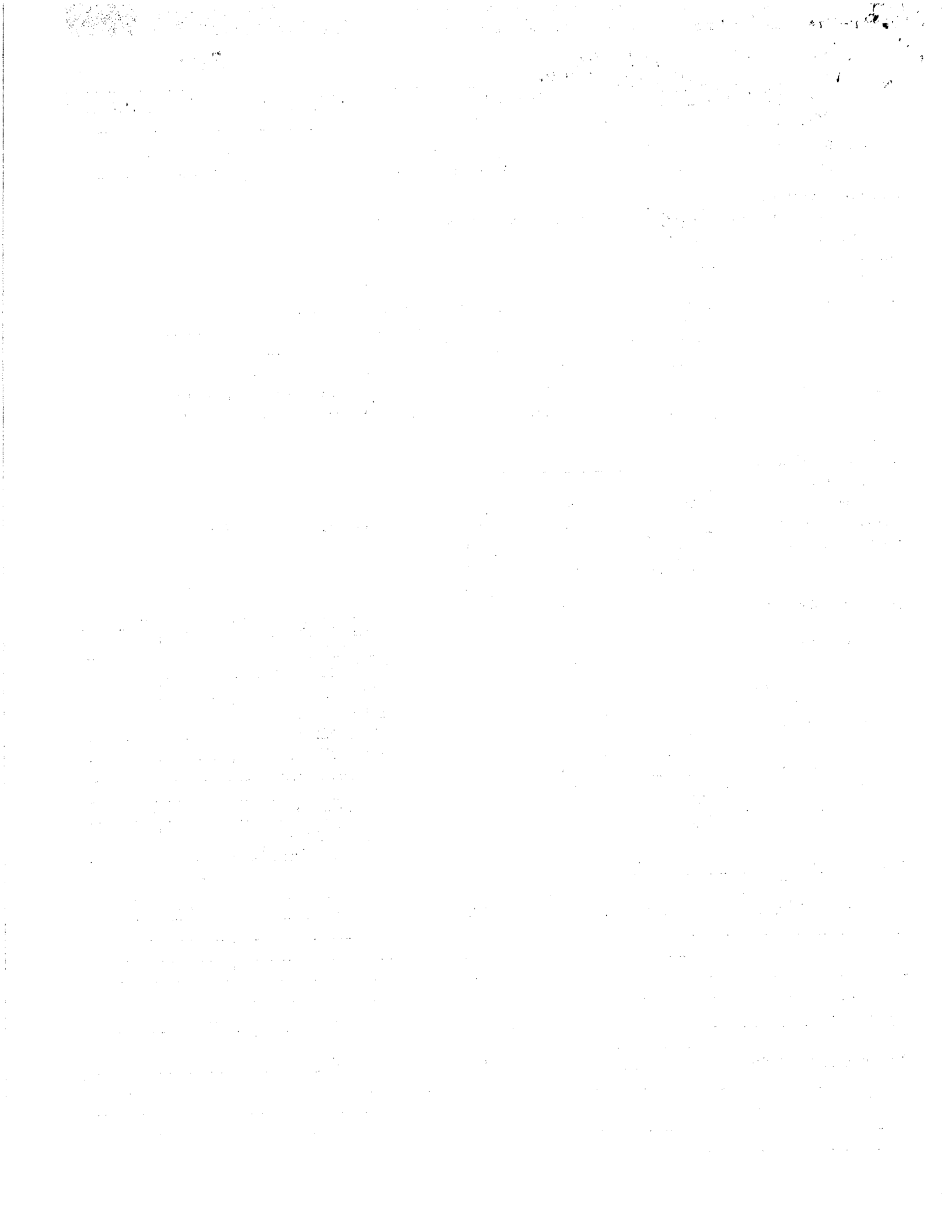
Standing water: \_\_\_\_\_ inches  
 Bedrock: \_\_\_\_\_ inches  
 Saturated soil: \_\_\_\_\_ inches  
 Maximum depth of system: \_\_\_\_\_ inches  
 Max elevation at system bottom: \_\_\_\_\_ feet  
 Soil sizing factor (SSF): \_\_\_\_\_ gpd/ft<sup>2</sup>  
 Linear loading rate (LLR): \_\_\_\_\_ gpd/ft  
 Was a perc test done?  Yes  No \_\_\_\_\_ mpi

Soil Survey Data	Soil #1	Soil #2
Map unit sym & name		
Landscape position		
Flooding		
Slope		
Watertable depth		
Bedrock depth		
Possible system depth		
Texture at depth		
Permeability (P)		
Perc(MPI) = 60 / P		
NRCS onsite suitability		

### Soil Boring Data

Boring 1	Elevation	Location		
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence

Boring 2	Elevation	Location		
Soil Horizons Depth (inches)	Texture	Color	Structure	Consistence



5e/11 340057000

\*\*\*\*\* FOR OFFICE USE ONLY \*\*\*\*\*

Application Approved by: Hebi Moltz Date: 8/24/11  
Amount Paid: \$100.00 Receipt Number 259565- Permit Number \_\_\_\_\_

NOTES: 8/23/11 483691

Mailed copy of permit to Thelen 8/25/11  
& copy of permit.

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### INSPECTION REPORT

#### Home Information

Does the structure contain any of the following elements?

Garbage disposer  Yes  No Dishwasher  Yes  No  
Grinder pump  Yes  No Lift pump in basement  Yes  No  
Effluent screen installed?  Yes  No Effluent screen manufacturer \_\_\_\_\_

Alarm required?  Yes  No Alarm Type \_\_\_\_\_ Alarm manufacturer \_\_\_\_\_

Lift pump in system?  Yes  No Pump manufacturer \_\_\_\_\_

Number of bedrooms 1

#### Component Information

Tank size 1000 Tank manufacturer \_\_\_\_\_

Drainfield size \_\_\_\_\_  
Drainfield medium \_\_\_\_\_ Medium manufacturer \_\_\_\_\_  
Drainfield medium size/depth \_\_\_\_\_

*holding tank only*

#### Soil Verification

Vertical separation verified for Boring #1 on \_\_\_\_\_ Depth \_\_\_\_\_

Vertical separation verified for Boring #2 on \_\_\_\_\_ Depth \_\_\_\_\_

Vertical separation verified for Boring #3 on \_\_\_\_\_ Depth \_\_\_\_\_

#### Setback Verification

	TANK	DRAINFIELD
Distance to Well	<u>760'</u>	<del>_____</del>
Distance to Building	<u>10'</u>	<del>_____</del>
Distance to Property Line	<u>20'</u>	<del>_____</del>
Distance to OHW of Lake	<u>NA</u>	<del>_____</del>
Distance to Pressure Line	<u>50</u>	<del>_____</del>
Distance to Wetland/Protected Water	<u>1300</u>	<del>_____</del>

Date System Installed 8/24/11 Installer Thelen Inspector As Built  
Excavating

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### CERTIFICATE OF COMPLIANCE

( ) Certificate Is Hereby Denied

Certificate is Hereby Granted Based upon the Application, addendum from, plans, specifications and all other supporting data.

With property maintenance, this system can be expected to function satisfactory, however, this is not a guarantee.

Signature Hebi Moltz Title Supervisor of Inspectors Date 12/8/11

(Certificate of Compliance is not valid unless signed by a Registered Qualified Employee)

