

CLINTON COUNTY HEALTH DEPARTMENT

State Permit No. _____ System ID# _____ Co. Permit No. 3510
APPLICATION FOR PERMIT TO INSTALL PRIVATE SEWAGE DISPOSAL SYSTEM

Address 860 Pheasant Run Rd., Clinton Section 25 Twship City
Location Pheasant Run Lot 7 Phone _____
Owner(s) Tim Horner Contractor Craig Temple
Structure: Home Mobile Home _____ Other _____
Lot Size: _____ Commercial _____ Residential Bedrooms 4
Fixtures: Garbage Disposal Automatic Laundry Other _____
Water Supply: Private _____ Public _____
Percolation Test: Average .45 Min/In Performed by A & E Soil Consultants
Depth to Bedrock unk. Depth to Ground Water unk.
New Construction Reconstruction _____
Required minimum septic tank gallons capacity 1500
Septic manufacturer and material concrete
Secondary Treatment absorption field w/36" trench
Minimum Size Required 500 lin. ft. wide chamber 5-100' lines
Building Permit Required: County _____ City
Date 8/13/10
By [Signature] Sanitarian
By [Signature] Applicant's Signature
Agent

This plan is approved as submitted. Any deviation during construction, without prior approval, will invalidate this application and permit. The Clinton County Health Department by issuance of a permit and performance of related inspections, does not warrant the performance of this onsite wastewater treatment and disposal system, nor that it be free from defects.

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Septic manufacturer and material _____
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Building Permit Required: County _____ City X
Date 8/13/10
By Robert Horner Sanitarian By Craig Temple Applicant's Signature Agent

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Soil Evaluation Report

In accordance with the Iowa DNR Environmental Protection Code, Chapter 69

Report Prepared For:		Evaluation No: 10-280		Date: 7/23/2010	
Name: Tim Homer					
Property Owner: Tim Homer		Address: 1106 26th Avenue North			
City: Clinton		State: IA		Zip: 52732	
Location of Site:					
County: Clinton		Soil Map: 55			
Township Name: Hampshire East		Section: 25			
Legal Description or Address: 860 Pheasant Run Clinton		T: 82N			
		R: 6E			

BUILDING SITE CHARACTERISTICS

Boring Sites Selected By:	Contractor	<input type="checkbox"/>	A&E Soil Consultants	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>
System:	New	<input checked="" type="checkbox"/>	Replacement:	<input type="checkbox"/>	Outbuilding	<input type="checkbox"/>
Type of Establishment:	Residence	<input checked="" type="checkbox"/>	Commercial	<input type="checkbox"/>	Other	<input type="checkbox"/>

Remarks:
This soil investigation was for a new septic system leach field for a new home construction. The builder and owner were present and indicated the preferred area for the new leach field and soil borings in the open area of the lot, northwest of the staked homesite. A&E selected, cored and described the 3 soil borings accordingly.

There are no major limitations in the Tama and Fayette soils at this location for a properly designed, constructed and maintained septic system leach field.

			Soil Properties Summary			
Boring #	Soil Name	Map Unit		Most Limiting Loading Rate Within 60 inches	Seasonal Saturation	Permeability Limitation Depth
1	Tama	120B		0.45	>65"	n/a
2	Fayette	163B		0.45	>65"	n/a
3	Tama	120B		0.45	>65"	n/a

Detailed Soil Description-Test Site No. 1							
Depth	Matrix Color	Texture	Mottles and Coatings	Structure Shape/Class	Moist Consistency	Loading Rate (gal / sq ft / day)	Notes
0-20"	10YR2/2	silt loam	-	moderate fine subangular blocky	friable	0.50	
20-27"	10YR5/4	silt loam	-	moderate medium subangular blocky	friable	0.50	
27-55"	10YR5/4	silty clay loam	10YR4/4	moderate medium prismatic	friable	0.45	
55-65"	10YR5/4	silt loam	-	moderate medium prismatic	friable	0.50	

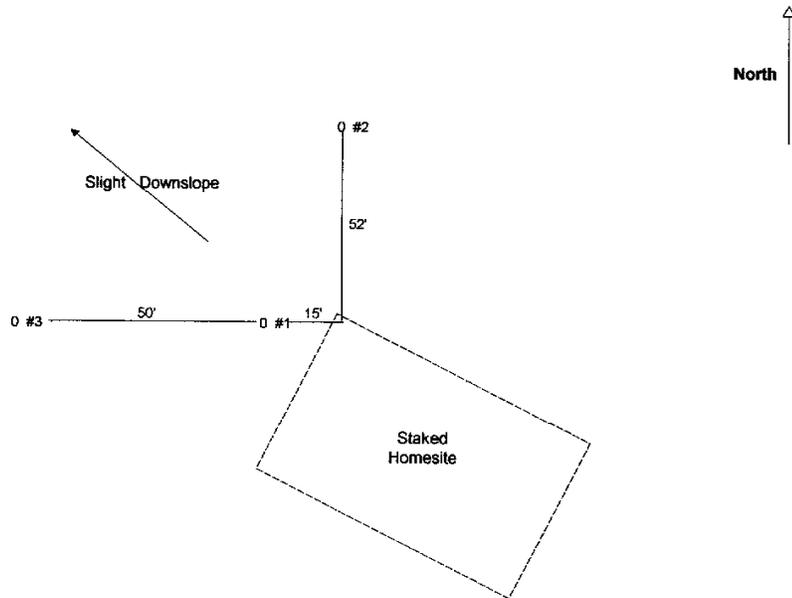
Most Limiting Layer:	none	Seasonal Saturation:	>65"	Permeability:	n/a
Probable Soil Type:	Tama 120B	Slope:	2% N	Depth:	n/a
Probable Drainage Class:	well drained	Compaction:	none	Depth:	n/a

Remarks:

Detailed Soil Description-Test Site No. 2							Evaluation No:	10-280
Depth	Matrix Color	Texture	Mottles and Coatings	Structure Shape/Class	Moist Consistency	Loading Rate (gal / sq ft / day)	Notes	
0-16"	10YR4/2	silt loam	-	moderate fine subangular blocky	friable	0.50		
16-20"	10YR5/4	silt loam	-	moderate medium subangular blocky	friable	0.50		
20-34"	10YR5/4	silty clay loam	10YR4/4	moderate medium prismatic	friable	0.45		
34-65"	10YR5/4	silt loam	-	moderate medium prismatic	friable	0.50		
Most Limiting Layer: none					Seasonal Saturation:	>65"	Permeability: n/a	
Probable Soil Type:		Fayette	163B	Slope:		3% NW		
Probable Drainage Class:		well drained		Compaction:		none	Depth: n/a	
Remarks:								
Detailed Soil Description-Test Site No. 3								
Depth	Matrix Color	Texture	Mottles and Coatings	Structure Shape/Class	Moist Consistency	Loading Rate (gal / sq ft / day)	Notes	
0-18"	10YR2/2	silt loam	-	moderate fine subangular blocky	friable	0.50		
18-25"	10YR5/4	silt loam	-	moderate medium subangular blocky	friable	0.50		
25-48"	10YR5/4	silty clay loam	10YR4/4	moderate medium prismatic	friable	0.45		
48-65"	10YR5/4	silt loam	-	moderate medium prismatic	friable	0.50		
Most Limiting Layer: none					Seasonal Saturation:	>65"	Permeability: n/a	
Probable Soil Type:		Tama	120B	Slope:		3% NW		
Probable Drainage Class:		well drained		Compaction:		none	Depth: n/a	
Remarks:								

Location Of Boring Sites:

Evaluation No: 10-280



O = Location of Boring Sites

Notice: This report is prepared for the exclusive use of the person requesting this evaluation. They shall be solely responsible for supplying copies to all other persons / agencies requiring information. Soil descriptions are prepared from Clement's 0.8 inch or larger soil cores taken to the required depth of five feet. All color notations use the Munsell Color System.

The person preparing this report assumes no responsibility for the use of all or part of this report in a manner which alters, distorts or otherwise misrepresents the information in the evaluation report.

Installers are responsible for notifying ALL UTILITIES prior to commencing construction to avoid possible damage to or injury from facilities that may not be apparent on the surface of the site. The contractor / installer of the septic system is responsible for compliance with applicable State and County Codes pertaining to the construction, design and placement of the system.

Information contained in this report applies to the soil conditions identified at the time of this survey and at the location shown on the map above. The owner / builder is responsible for protecting this site from soil disturbing activities until such time as the private waste disposal system is being constructed. Further testing should be done if the septic system is not located within the soil boring area or if soil disturbing activities have been carried out since the tests were done.

A&E Soil Consultants LLC does not warrant the operation or proper functioning of installed private waste disposal systems for any period of time.

Report Prepared By: Steve Elmer

A & E Soil Consultants, LLC

27560 Ebenezer Road
Geneseo, IL 61254
(309) 945-9090

**CLINTON COUNTY HEALTH DEPARTMENT
329 E. 11TH STREET
DEWITT, IOWA 52742-1457**

Inspection Checklist

Date 10/25/10

The information obtained from the owner/agent was given to the best of the owner's/agent's knowledge.

Owner Tim Hamer
Address 860 Phragm Rm
Phone Number ()

Permit Number 3570
Site Location (Section, Township & Range) City
Reason for inspection: new system repair change of owner
Date of original system _____
Date of any improvements to the system _____

Flow Determination

Building type (single family home, apartment, commercial) _____
Number of bedrooms 4
Garbage Disposal? Yes No
Estimated flow rate (gallons/day) 600
Septic tank size required (gallons) 1500
Minimum required absorption area 500 Lint

Identification of Problem Situations/Failure

Have any of the following items occurred? (If so, note frequency & description)
According to:

	Homeowner		Site Investigation	
	Yes	No	Yes	No
*Basement backups (via toilets, showers, tubs, floor drains)	[]	[]	[]	[]
*Septic tank overflowing onto ground	[]	[]	[]	[]
*Wet or soft spots above the drainfield	[]	[]	[]	[]
*Sewage evident on ground surface	[]	[]	[]	[]
*Sewage connected to tile line	[]	[]	[]	[]
*Sewage odor detected	[]	[]	[]	[]

Notes: _____

System Type Identification

Please identify the diagram that best depicts the system: _____

Septic tank followed by: absorption field Rock [] Chamber []
(Check) absorption bed _____
sand filter _____ Free access Yes [] No []
other _____

If other: _____

Septic tank or system cleaned at time of this survey Yes [] No []

Cleaned by _____

Periodic maintenance performed: Yes [] No [] Unknown []

Septic Tank/Holding Tank

Dimensions and capacity of tank _____

Manufacturer _____

*Tank Integrity new _____

Baffle: OK Worn [] Absent []

Effluent Filter Yes No [] Missing []

Access Risers: Inlet: Yes [] _____ ft. No []

Outlet: Yes [] _____ ft. No []

Distance to water supply ok ft. Public [] Private []

Soil Treatment Area

Type of System (mound/drainfield/absorption bed/sand filter) _____

Number of drainfield lines 5

Length of lines 100 ft. Trench Width _____ inches

Distance to water supply ok feet Public [] Private []

Total bottom area of soil system 500 sq

Discharge of effluent no Discharge to water _____ Surface _____

Depth to Water table or bedrock _____ inches

Cover above pipe _____ inches

Depth of rock below the pipe _____ inches

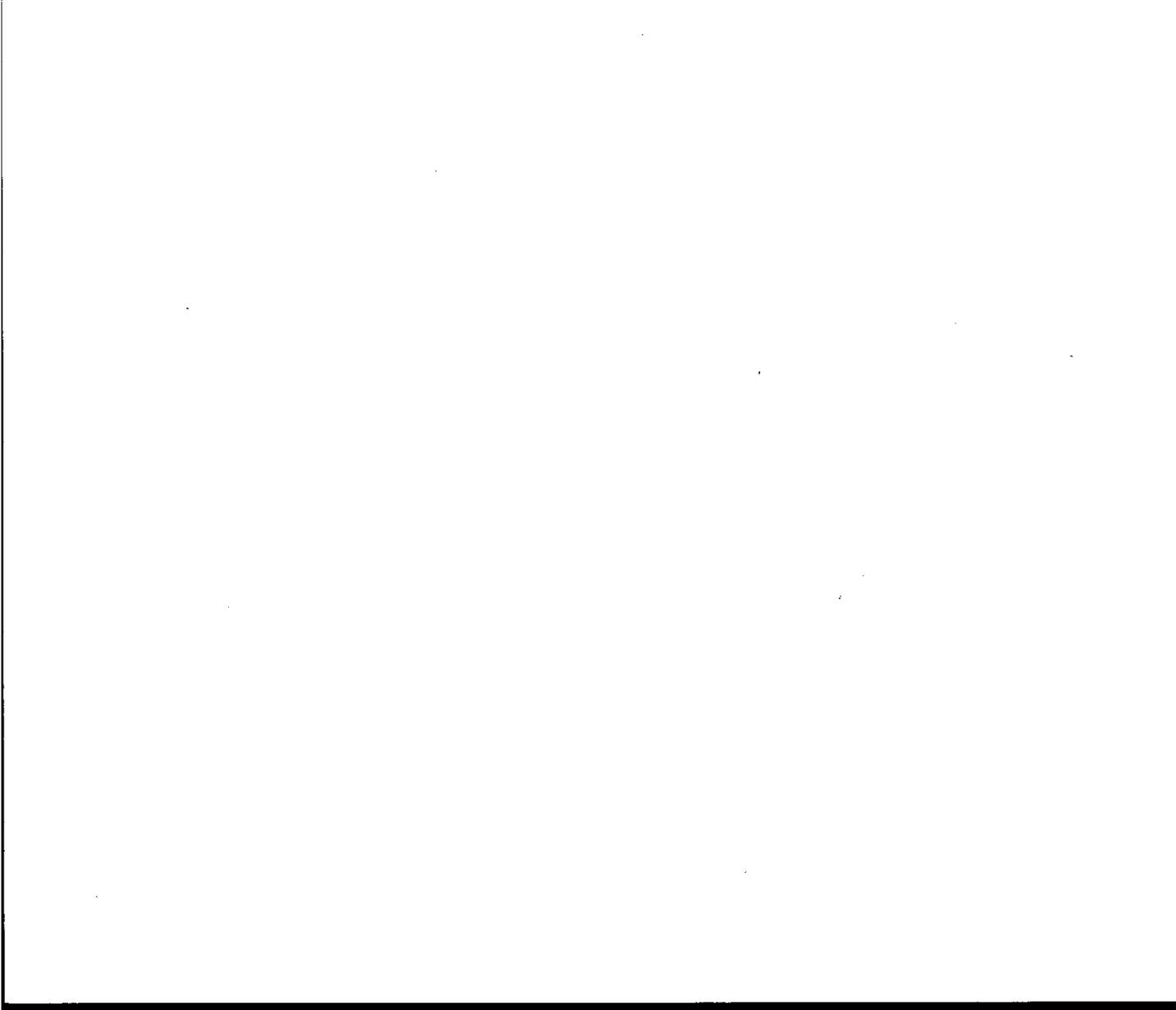
Chamber Width Wide (>34") Narrow (<15") []

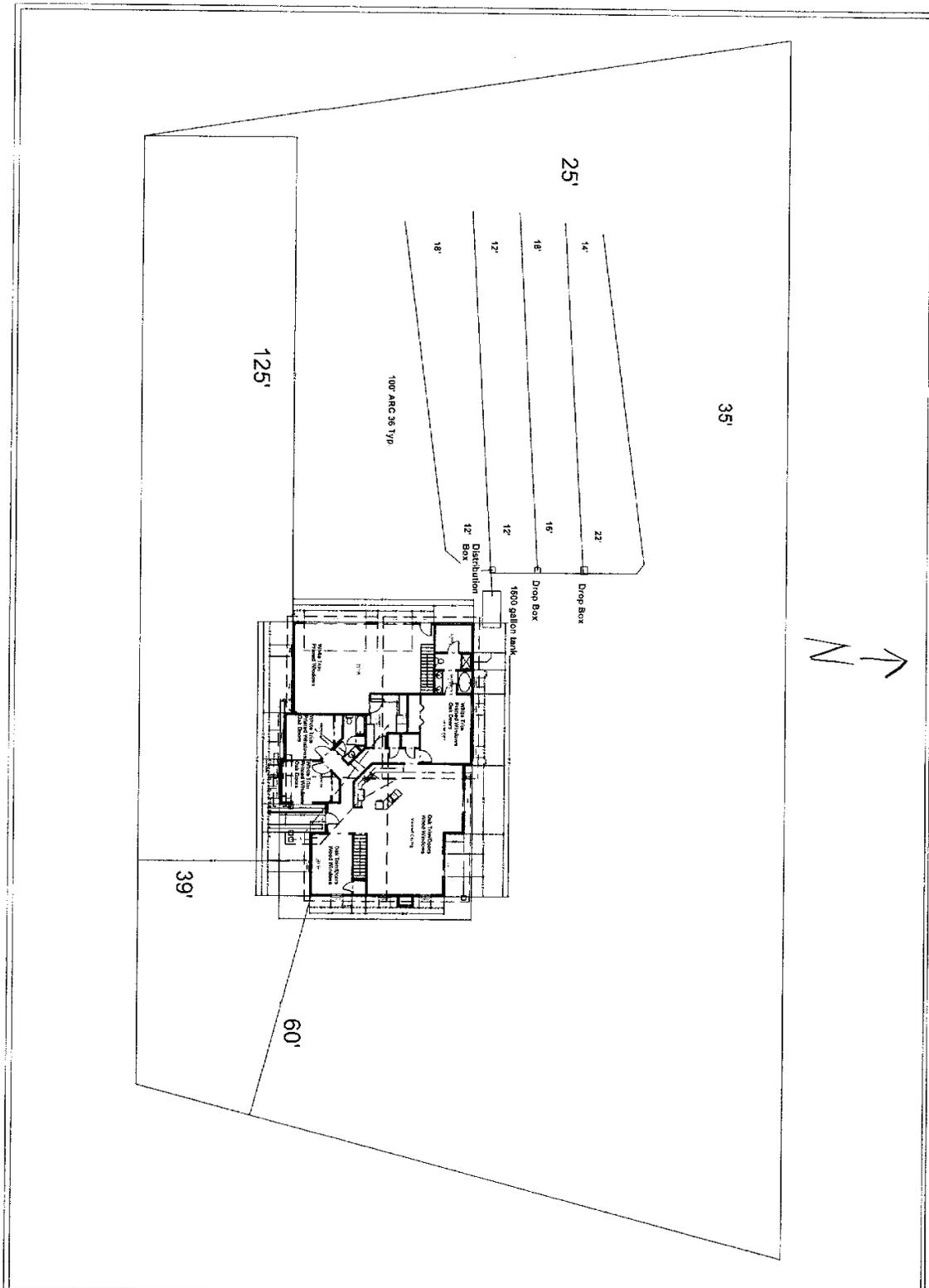
Total depth of system _____ inches

* Is 36 inches of separation between the bottom of the system and the seasonal high water table or bedrock provided?

Yes No [] Unknown []

Sketch of System (includes buildings, septic tank, soil absorption system, setback distances, property lines, soil borings, elevations, etc.)





DESIGN BY:
Craig Temple

10/21/2010

Tim Horner Septic_1

New Age Builders, Inc

53-357-3452

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