



Miami County Environmental Health Department

201 S. Pearl, Ste. 201
Paola, KS 66071

Telephone 913-294-4117
Fax 913-294-9545

May 12, 2005

Mr. Bryan Kern
8900 W. 255th
Louisburg, KS 66053

Re: Soil Profile Request for:
05058-sp: Lot 1 Hilltop Estates, 240th & Mission Bellview

Dear Mr. Kern,

The soil profile analysis you requested at the referenced property was completed on May 11, 2005, by the Miami County Environmental Health Department.

The following system(s) could be permitted for this property:

- Conventional with **12" maximum trench depth**
- Subsurface drip irrigation
- Other alternatives may be considered

PLEASE NOTE: This recommendation is applicable only to the area that was analyzed on the property. An installation permit will only be issued after the Miami County Environmental Health Department has received and reviewed, for the proposed onsite system, plans and specifications, a completed permit application and a complete set of house blue prints. (Required for new construction only.) *Alternative systems require submittal of all design specifications.* Plans and specifications shall be drawn to scale, no greater than one inch to fifty feet (1" - 50'), and shall include but not be limited to the following information:

- (1) Location of the soil profile sites in the area of the proposed onsite wastewater system.
- (2) Size of lot, dimensions, and relative location of structures.
- (3) Proposed location, and layout of the onsite wastewater system.

Building permits will not be issued without issuance of an Installation Permit for an Onsite Wastewater System. However, building plans may be reviewed simultaneously with onsite wastewater system plans.

If you have any questions, please call me at 913-294-4117.

Sincerely,

Charlene A. Weiss
Environmental Health Director

Enclosure

MIAMI COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

SOIL DESCRIPTION FORM

NAME Trombino / Kean SLOPE 5-7% SPA # 05088
 DESCRIBED BY C. Weiss / C. Carpenter DATE 5-11-05 VEGETATION Grass
 LOCATION Lot 1 Hilltop (North of Miss-Ball) LAND USE Res.

LOAD RATE	DEPTH IN.	DOMINANT COLOR	MOTTLES	TEXTURE	STRUCTURE	CONSISTENCE	ROOTS	REMARKS
0.4	0-9"	7.5 YR 2.5/1 B/a/c	—	Sic1	2Fgr-bk	dk	3F	
0.45	9-14"	"	—	Sic1	2Fbk	Mfr	2F	
0.4	14-22"	7.5 YR 2.5/3 vry. dk. brn.	—	Sic1	2F-mbk	"	1-2 VF	
	22-36"	5 YR 3/3 dk. red. brown	m-1-d orange streaks	Sic1	2mbk-pr	Mfr-fi	1-2 VF	
		Limestone w/ clay						

LOADING RATE (GPD/FT²)

COMMENTS

Area profiled is inconsistent to depth of each and for clay. Conventional
 12" maximum trench depth could be approved. Other alternative such as
 an at-grade or drip irrigation system could be approved. (Soil profile hole has
 heavier clay content than other pits in area.)

240th & Mission Bellevue Rd

Hand-drawn survey map showing Lot 1 and Lot 6. The map includes dimensions, area calculations, and labels for structures and landmarks.

Lot 1:

- Dimensions: 140' (width) x 115' (depth)
- Area: $140' \times 115' = 16,100$
- Structure: 4 1/2' x 10' House
- Structure: 23' x 10' garage
- Location: Hilltop Circle

Lot 6:

- Dimensions: 60' (width) x 65' (depth)
- Area: $60' \times 65' = 3,900$
- Structure: 4 1/2' x 10' House
- Structure: 23' x 10' garage
- Location: Hilltop Circle



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November 6, 2012

Ernie Johnson
9878 W. 299th
Louisburg, Kansas 66053

Re: Soil Profile Request for: SP 12046

Address: (Hilltop Estates)

Dear Mr. & Mrs. Johnson:

The soil profile analysis you requested at the referenced property was completed on November 6, 2012, by the Miami County Environmental Health Department.

The following system(s) could be permitted for this property:

- **Bottomless Sand Filter.**
- Pretreatment to pressurized **9 inch conventional.**
- Mound with **14 inches of sand.**
- **Subsurface Drip.** (See comments in soil description form.)
- Other alternatives may be considered as long as all requirements can be met, including the proper vertical separation to a limiting condition in the soil profile.

PLEASE NOTE: This recommendation is applicable only to the area that was analyzed on the property. **All reasonable efforts should be made to preserve the profile area to prevent compaction or other destruction.** An installation permit will only be issued after the Miami County Environmental Health Department has received and reviewed, for the proposed onsite system, plans and specifications, a completed permit application and a complete set of house blue prints (required for new construction only). *Alternative systems require submittal of all design specifications.* Plans and specifications shall be drawn to scale, no greater than one inch to fifty feet (1" - 50'), and shall include but not be limited to the following information:

- (1) Location of the soil profile sites in the area of the proposed onsite wastewater system.
- (2) Size of lot, dimensions, and relative location of structures.
- (3) Proposed location, and layout of the onsite wastewater system.

Building permits will not be issued without issuance of an Installation Permit for an Onsite Wastewater System. However, building plans may be reviewed simultaneously with onsite wastewater system plans.

If you have any questions, please call me at 913-294-4117.

Sincerely,

Thomas L. Markus
Environmental Health Technician

Enclosure

MIAMI COUNTY ENVIRONMENTAL HEALTH DEPARTMENT SOIL DESCRIPTION FORM

NAME Ernie Johnson

DESCRIBED BY Tom Markus DATE 11/06/12

SPA # 12046

LOCATION Hilltop Estates.

SLOPE

LOAD RATE	DEPTH IN.	DOMINANT COLOR	MOTTLES		TEXTURE	STRUCTURE		MOIST CONSISTENCE	ROOTS	REMARKS
.4	0-9	10YR 3/3 Dark Brown	None	None	Silty Clay Loam	Moderate	Granular	Very Friable	Many	
.3	9-22	10YR 2/2 Very Dark Brown	Concentrations	Few	Silty Clay Loam	Moderate	Blocky	Very Friable	Many	
			ROCK							

LOAD RATE (gpd/ft²): .3at profile area for mound and pressurized conventional.

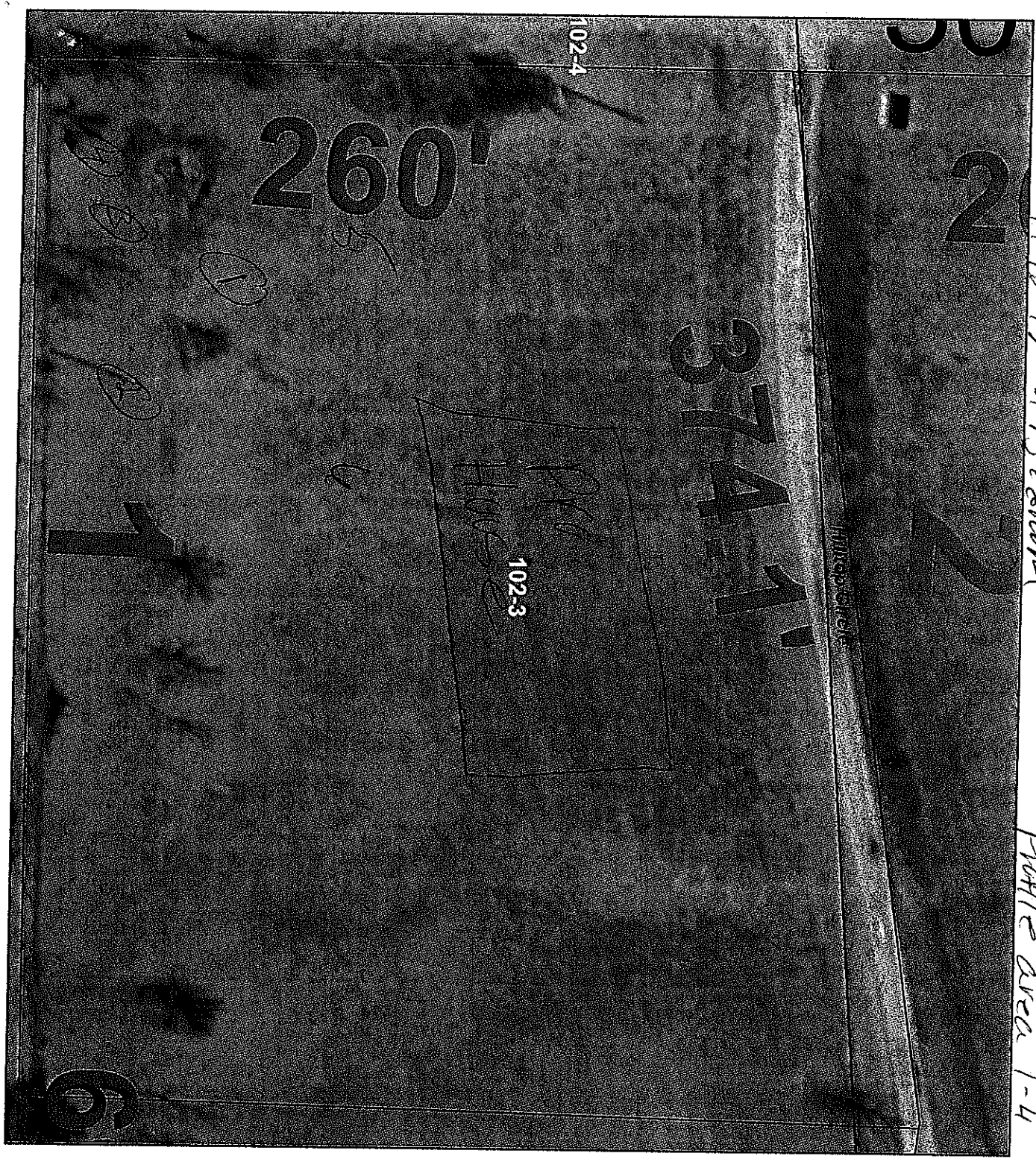
Comments: The depth to the limiting condition of rock is 22 inches. There must be 2-4 feet of vertical separation between this condition and the lowest elevation of the soil absorption component of the system. The subsurface drip should be sized at a .175 soil load rate. Profile pit is located at N38 * 41.462 W94 * 38.262.

LINE down
Hilltop Circle

12046-SP 11-10-12 4-B extension

Miami County GIS

10471 area 1-4



#1 22"-Rock
#2 22"-Rock
#3 48" +
#4 24"-Rock
#5 18"-Clay
#6 11 11

Legend

Line_Type

-- Lot Lines

— Roads



1 inch = 50 feet

Parcel Data Date:
July, 2011

This property ownership map is for tax purposes only. It is not intended for conveyances, nor is it a legal survey.