

**SOIL/SITE EVALUATION  
 for ON-SITE WASTEWATER SYSTEM**

Owner: Pine Grove Dev. Corp.

Applicant: Same

Address: 622 Buffalo Lake Rd.

Date Evaluated: 9-13-06

Proposed Facility: smart home (26.8x76) Design Flow (.1949): 480gpd 4 bedrooms

Property Size: .50 acre

Location of Site: Hwy 24 Nature's Crossroads

Property Recorded:

Water Supply:  Public [ ] Individual [ ] Well [ ] Spring [ ] Other  
 Evaluation Method:  Auger Boring [ ] Pit [ ] Cut  
 Type of Wastewater:  Sewage [ ] Industrial Process [ ] Mixed

Profile #	1940 Landscape Position/Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS					Profile Class & LTAR
			1941 Structure/Texture	1941 Consistence Mineralogy	1942 Soil Wetness/Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr. Horiz		
1	LS 3-4%	0-23	LS <sup>1vt</sup> gr	ns np vfr						.6 PS
		23-48	SCL 2f sbk	ss sp fr						
2	LS 3-4%	0-22	LS lvf gr	ns np vfr						.6 PS
		22-24	S lvf gr	ns np vfr						
		24-43	SCL 2f sbk	ss sp fr	10YR 7/2 @ 34	Not 2%				
3	LS 2%	43-48	SL lvf gr	ss np vfr						.6 PS
		0-4	LS lvf gr	ns np vfr						
		4-16	S lvf gr	ns np vfr						
		16-42	SCL 2f sbk	ss sp fr	10YR 8/1 @				44"	
		42-44	SL lvf gr	ss - np vfr						
4	LS 2%	44-48	SCL 2f sbk	ss sp vfr						.6 PS
		0-18	LS lvf gr	ns np vfr						
		18-26	SCL 2f sbk	ss sp vfr						
		* Auger refusal - stopped @ 26"								
5	LS 2%	0-20	LS lvf gr	ns np vfr						.6 PS
		20-31	SCL 2f sbk	ss sp fr						
		* Auger refusal @ 31"								
6	LS 2%	0-4	LS lvf gr	ns np vfr						.6 PS
		4-20	S lvf gr	ns np vfr						
		20-48	SCL 2f sbk	ss sp vfr						

Description	Initial System	Repair System
Available Space (.1945)	✓	✓
System Type(s)	25% Red.	25% Red.
Site LTAR	.6	.6

Other Factors (.1946): \_\_\_\_\_  
 Site Classification (.1948): PS  
 Evaluated By: JT  
 Others Present:



COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE	NS-NON-STICKY
S-SHOULDER SLOPE		LS-LOAMY SAND			
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FI-FIRM	SS-SLIGHTLY STICKY
FS-FOOT SLOPE		L-LOAM			
N-NOSE SLOPE	III	SI-SILT-	0.6 - 0.3	VFI-VERY FIRM	VS-VERY STICKY
H-HEAD SLOPE		SIL-SILT LOAM			
CC-CONCLAVE SLOPE		CL-CLAY LOAM			
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM			
T-TERRACE	IV	SIC-SILTY CLAY	0.4 - 0.1	EFI-EXTREMELY FIRM	NP-NON-PLASTIC
FP-FLOOD PLAN		C-CLAY			
		SC-SANDY CLAY			
		SICL-SILTY CLAY LOAM			SP-SLIGHTLY STICKY
					P-PLASTIC
					VP-VERY PLASTIC

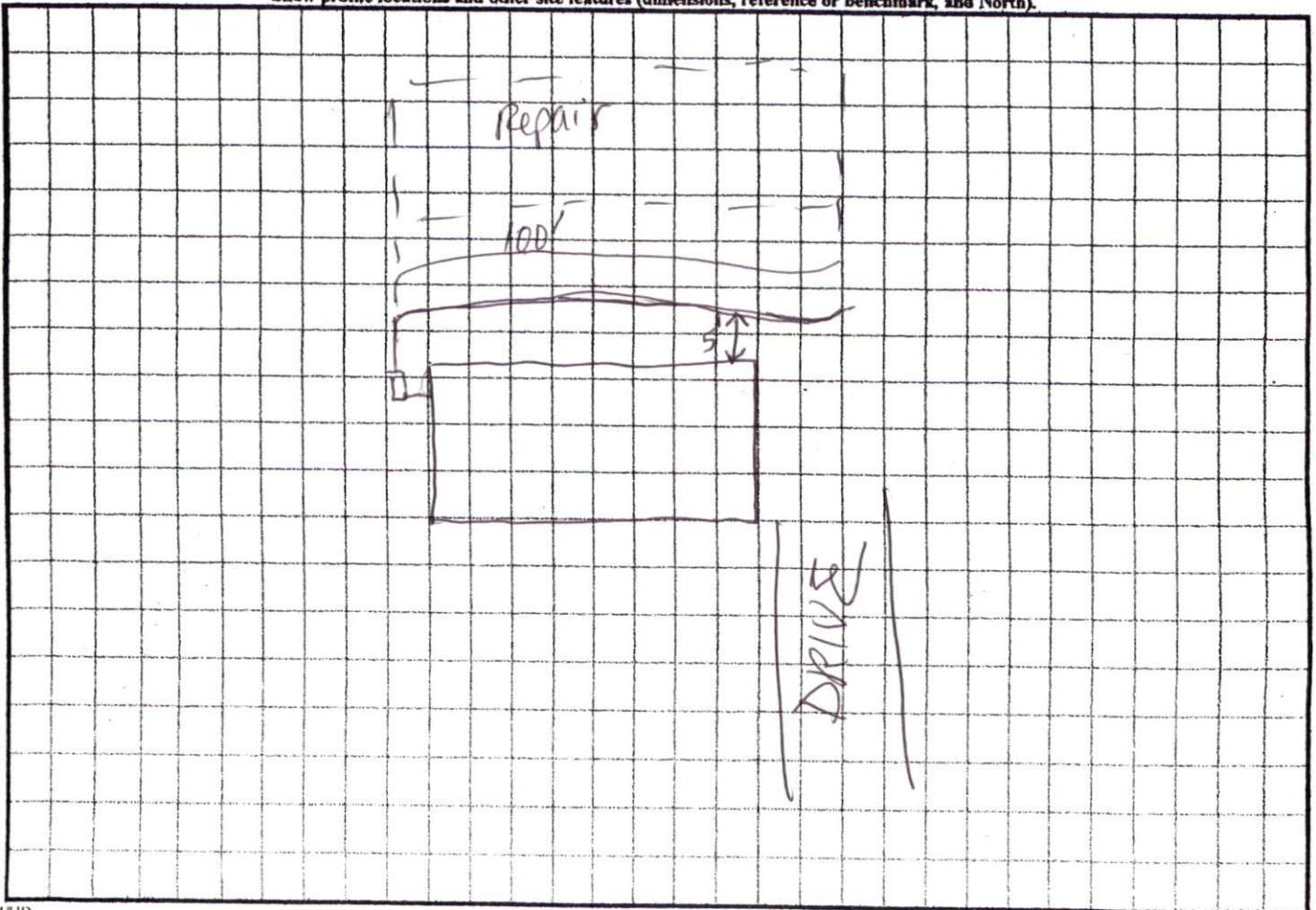
**STRUCTURE**  
 SG-SINGLE GRAIN  
 M-MASSIVE  
 CR-CRUMB  
 GR-GRANULAR  
 SBK-SUBANGULAR BLOCKY  
 ABK-ANGULAR BLOCKY  
 PL-PLATY  
 PR-PRISMATIC

**MINERALOGY**  
 SLIGHTLY EXPANSIVE

EXPANSIVE

grade (structure)      size      type  
 1. weak                    vf                    sbk  
 2. moderate              f                    ang.  
 3. strong                  med.                pris.  
 m. massive                coarse              platy  
    gran.

Show profile locations and other site features (dimensions, reference or benchmark, and North).



HP: 5756

EASEMENTS  
AS PART OF THE RECORDED COVENANTS  
FOR THE SUBDIVISION, THERE WILL BE A  
10-FOOT UTILITY /DRAINAGE EASEMENT  
RESERVED ALONG ALL LOT LINES.



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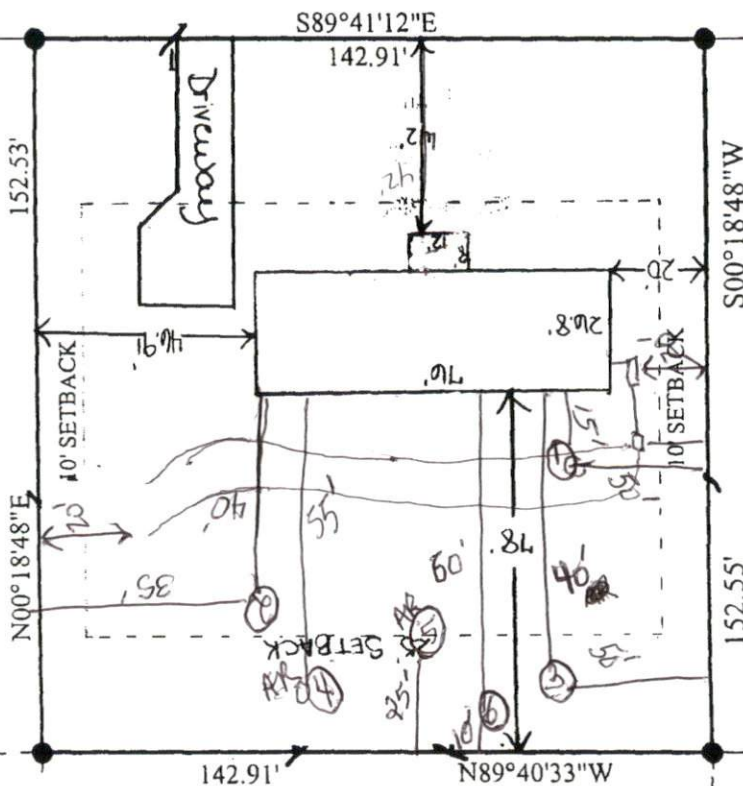
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SITE PLAN APPROVAL  
DISTRICT BACK USE DW/MH  
#BEDROOMS 4  
APL 9/8/06  
ZONING ADMINISTRATOR

RED BIRD DRIVE  
50' PUBLIC R/W

40

38



FUTURE  
DEVELOPMENT

NOTE:  
INFORMATION SHOWN HEREON FOR  
LOCATION OF IMPROVEMENTS ONLY.  
FOR TRANSFER OF PROPERTY REFER  
TO: 2006 2226

Revised Map

NOTE:

BEING ALL OF LOT 39  
NATURES CROSSROADS-PHASE

LEGEND

EIP EXISTING IRON PIPE  
SIP SET IRON PIPE  
R/W RIGHT OF WAY  
PP POWER POLE  
\* ELEVATIONS

I FURTHER CERTIFY THAT THIS PROPERTY  
(DOES NOT)  
LIE WITHIN A SPECIAL FLOOD HAZARD AREA  
DESIGNATED BY FIRM FLOOD INSURANCE