DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

SHEET: 1 of 2
PROPERTY ID #: 120084
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: MKM Builders
ADDRESS: 17014 Winged Thistle Court Davidson, NC 28036
PROPOSED FACILITY: Single Family PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 206 Sundance Circle – Deer Crossing Lot 78

APPLICATION DATE: 2/2/06
DATE EVALUATED: 2/13/06
PROPERTY SIZE: .46 Acres
PROPERTY RECORDED:

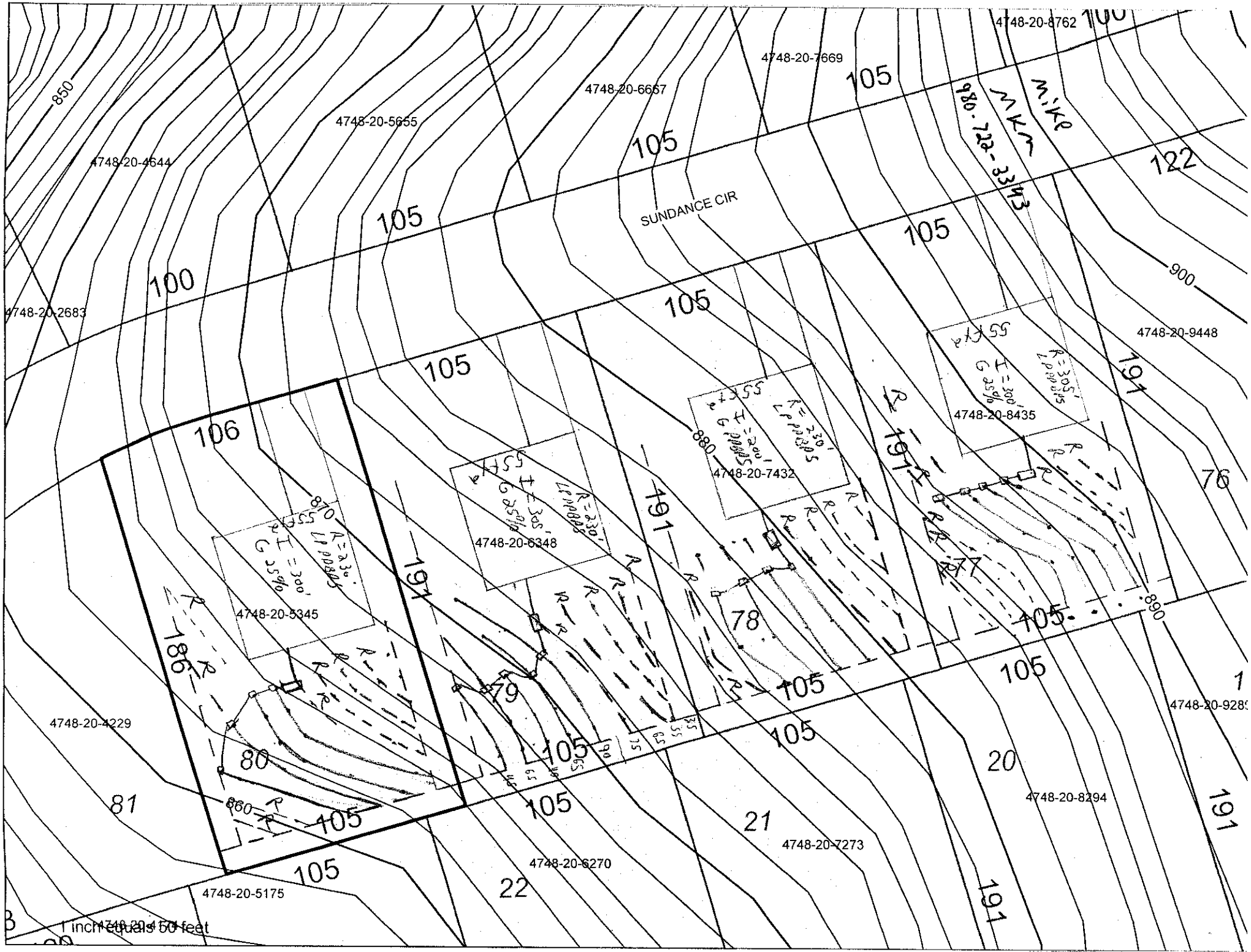
WATER SUPPLY: ☐ Private ■ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ■ Auger Boring ■ Pit ☐ Cut TYPE OF WASTEWATER: ■ Sewage ☐ Industrial Process ☐ Mixed

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	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	S VL 9%	0-10	M SBK SCL	VFR SS/SP SEXP		36"			PS .3
		10-36	M SBK C	FR SS/SP SEXP					
		36+	L SAP						
2	S VL 6%	0-6	M SBK SCL	VFR SS/SP SEXP		36"			PS .3
		6-36	M SBK C	FR SS/SP SEXP					
		36+	L SAP						
3	S VL 9%	0-6	M SBK SCL	VFR SS/SP SEXP		39"	S		PS .3
		6-39	M SBK C	FR SS/SP SEXP					
		39-52	M GR L SAP	VFR SS/NP SEXP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	S	S
System Type(s)	G PPBPS	LP PPBPS
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: [signature]
OTHER(S) PRESENT:

COMMENTS: Profiles 1&2 are auger borings. Profile 3 is a pit evaluation.


4748-20-8762
4748-20-7669
4748-20-6667
4748-20-5655
4748-20-4644
4748-20-2683
SUNDANCE CIR
980-722-3313
MIKE
MKM
4748-20-9448
4748-20-8435
4748-20-7432
4748-20-6348
4748-20-5345
4748-20-4229
4748-20-5175
4748-20-6270
4748-20-7273
4748-20-8294
850
900
880
890
870
860
100
105
106
122
191
186
78
79
80
81
20
21
22
1 inch equals 50 feet

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None	None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	NP (Non-plastic)
	SP (Slightly Plastic)
	P (Plastic)
	VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

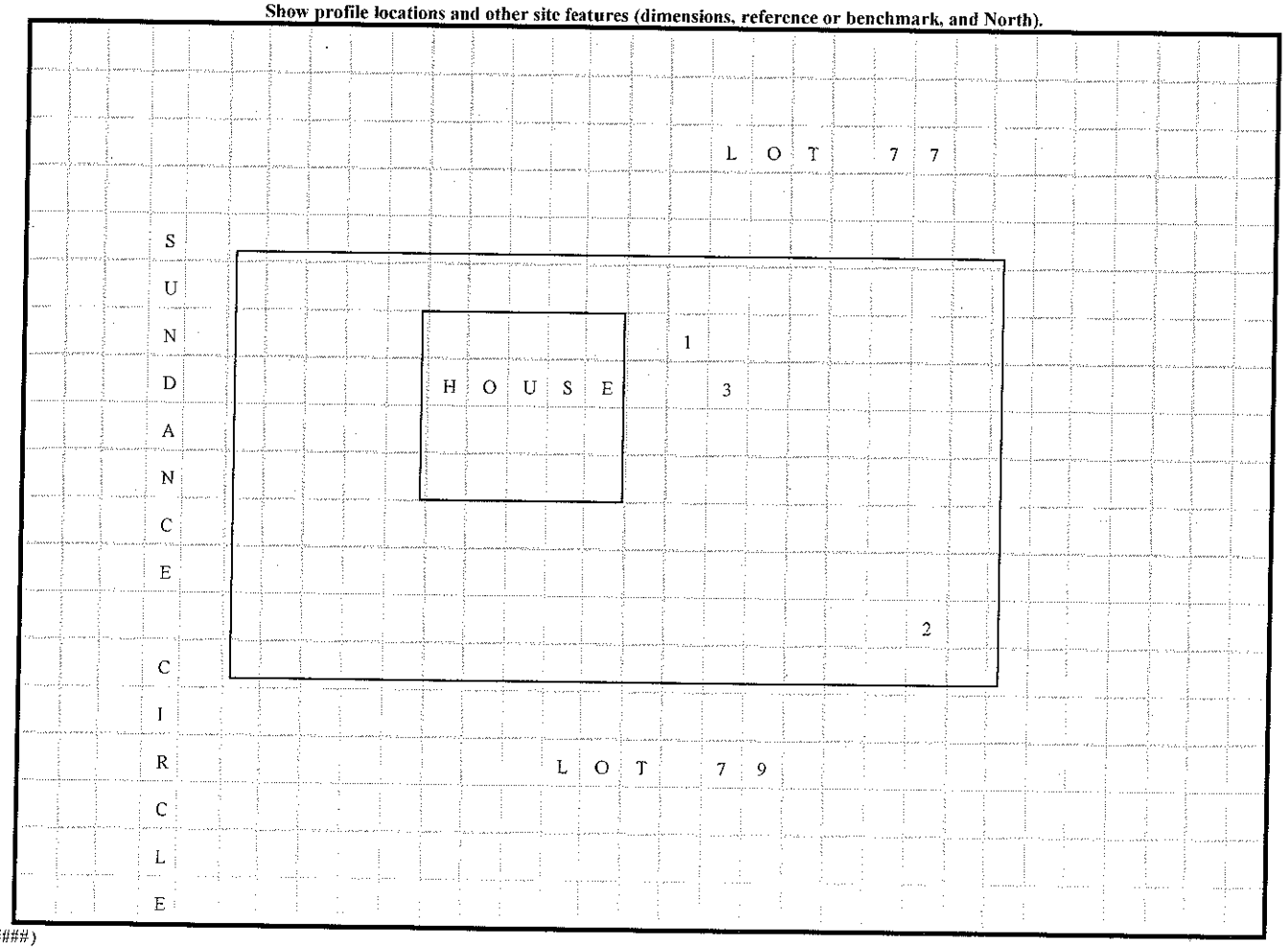
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



DENR (######)
Review (#####)