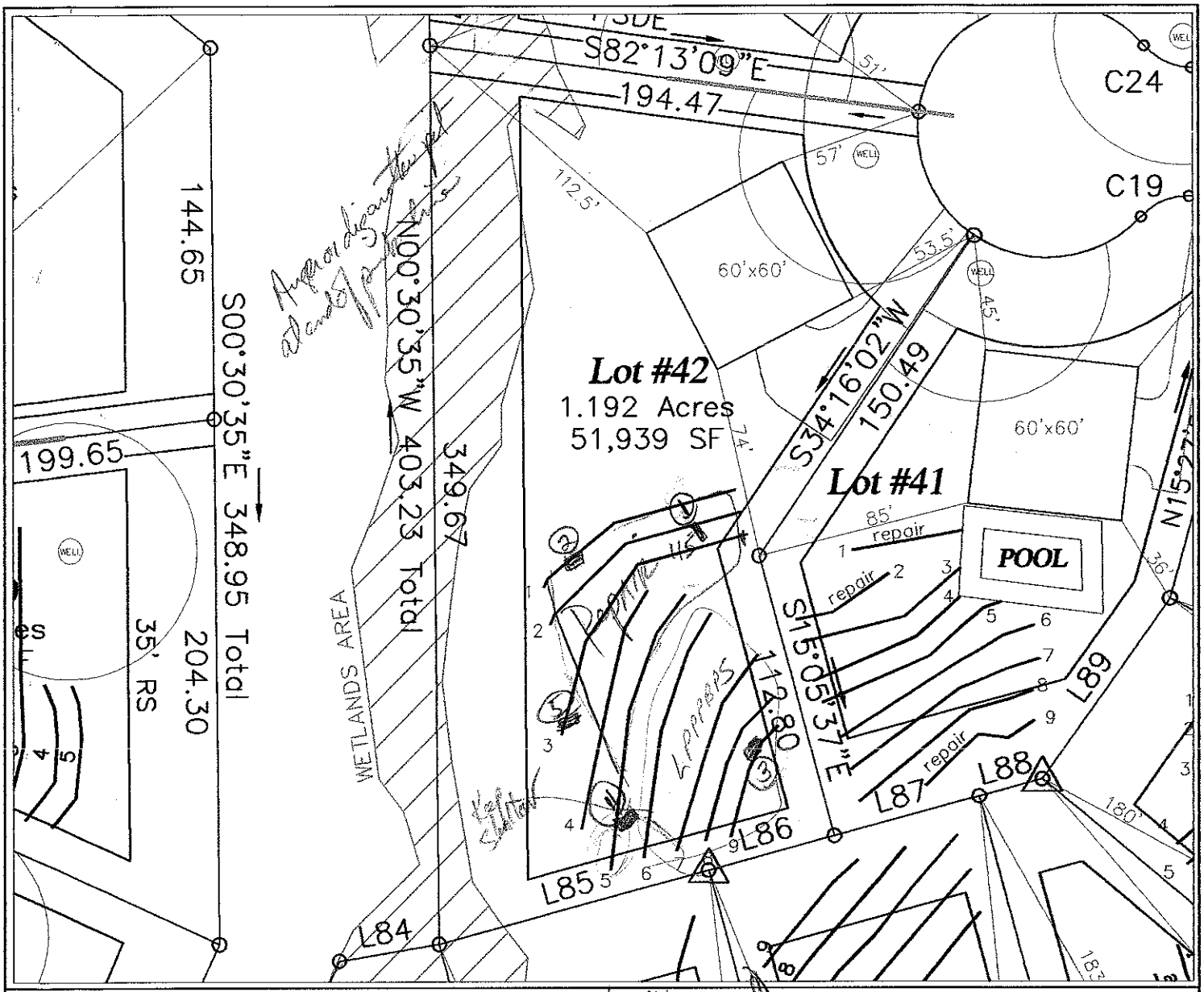


LEGEND

- Areas contain soils with 24 inches or more of useable material and have potential for conventional and modified conventional septic systems.
- UN — Unsuitable areas.
- Septic Drainlines.
- Temporary Bench Mark (TBM).
- Well Location.

GRAPHIC SCALE
1" = 60'

60 0 60 120

FLAG #	COLOR	ROD READ.	LENGTH
1	R	17.8	84'
2	O	15.5	84'
3	P	13.8	125'
4	B	11.8	99'
5	O	9.6	105'
6	Y	8.0	102'
7	R	13.8	125'
8	P	4.9	65'
9	B	3.5	52'

TOTAL FOOTAGE = 801'

SYSTEM
- LINES
- FOOTAGE
- SYSTEM TYPE

REPAIR
- LINES
- FOOTAGE
- SYSTEM TYPE

SHEET 1 OF 1

SHEET TITLE: SITE PLANS & DRAINFIELD LAYOUT

PROJECT NAME: MERLOCK DEVELOPMENT CORP. – EDGEWATER PARK III/LOT#42 – IREDELL COUNTY, NORTH CAROLINA NOVEMBER 2003

Soil & Environmental Consultants, PA
826 Lunsford Court, Suite C ■ Concord, North Carolina 28027 ■ Phone (704)788-9485 ■ Fax (704) 788-9486

FILE: C:\SEC\JOBS\1281
SCALE: 1" = 60'
FIELD WORK: S.A.R., W.G. & B.K.
DRAWN BY: S.A.R.
PROJECT MGR.: S.A.R.
PROJECT NO.: SE-1281

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

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: N. Block APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 9-15-04
PROPOSED FACILITY: STR PROPOSED DESIGN FLOW (.1949): 4BR SF PROPERTY SIZE: _____
LOCATION OF SITE: Lot 42 phs 2 Edgewater Park. PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed #5 10-4-04 wetness @ 29" x .225 - .25 yhat etc

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1		0-5	gn-wkSBK brn scl/cl	frssp					.3
		5-19	wk-mfSBK R/dbr cl	frsssp sthp					
		19-31	(B-C) wkfSBK/MR cl	frsssp common mi sthp					
		31-61	massive Rock	sthp frsssp					
2		0-3	gn brn sl	frsssp					.3
		3-27	wk-mfSBK R brn cl	frsssp sthp					
		27-55	wkfSBK-massive	Rock Gravel L/siL sthp frsssp					
3	15%+ S/L	0-6	gn brn sl/scl	frsssp					.3
		6-15	wkf/mfSBK R/c	frsssp sthp					
		15-55	(B-C) wkfSBK yb-cl	frsssp R brn-common mi sthp					
4		0-10	gn-wkSBK brn scl	frsssp					.25 @ <38"
		10-28	mfSBK R brn c	frsssp sthp	38"				
		28-38	wkfSBK ybrn cl	frsssp few mi sthp					
		38-55	wkfSBK-massive	L/siL sthp frsssp		24" max			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	LPPBPS	LPPBPS
Site LTAR	.25-.3	.25-.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: _____
OTHER(S) PRESENT: _____

COMMENTS: _____

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL 1955 LTAR	LPP 1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	SI (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SICL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SLC (Silt Loam Clay)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SIC (Silty Clay)			FI (Firm)	S (Sticky)
					VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None		EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

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).

