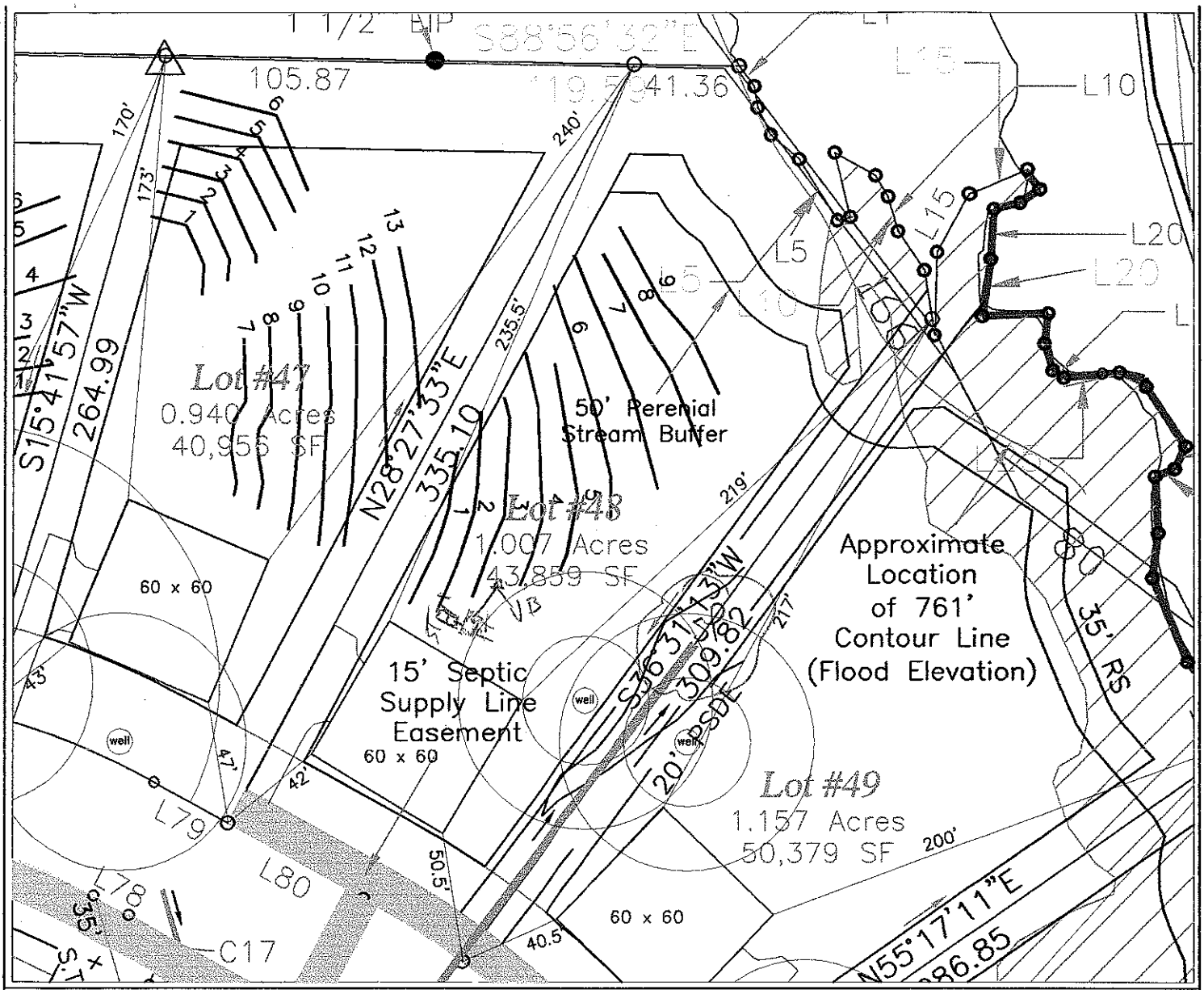


LEGEND

- 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.

LP P&BPS w/ Simulan Repair

GRAPHIC SCALE
1" = 60'

60 0 60 120

FLAG #	COLOR	ROD READ.	LENGTH
TBM		16.8	
1	B	3.0	63
2	P	4.2	76
3	R	5.4	81
4	O	6.7	90
5	Y	8.3	85
6	B	9.7	95
7	P	11.2	95
8	R	13.4	82
9	O	14.8	70

TOTAL FOOTAGE = 737

SYSTEM
- LINES
- FOOTAGE
- SYSTEM TYPE

REPAIR
- LINES
- FOOTAGE
- SYSTEM TYPE

SHEET 1 of 1

SHEET TITLE: SITE PLANS & DRAINFIELD LAYOUT

PROJECT NAME: MELOCK DEVELOPMENT CORP. – EDGEWATER PARK III/LOT#48 – IREDELL COUNTY, NORTH CAROLINA NOVEMBER 2005

S&EC Soil & Environmental Consultants, PA
236 Loftsgate Court, Suite C ▪ Concord, North Carolina 28039 ▪ Phone (704)720-9485 ▪ Fax (704) 788-9486

FILE C:\SEC\JOBS\1251
SCALE 1" = 60'
FIELD WORK S.A.R. W.O. & B.K.
DRAWN BY S.A.R.
PROJECT MGR. S.A.R.
PROJECT NO. 05-1251

@ #25' 480' 25' Rel 320' @ P&BPS

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: Niblock Dev. APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 7-10-04
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.1949): 480 gpd PROPERTY SIZE: _____
LOCATION OF SITE: Lot 48 phase 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

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1		0-5	gr lbr/sl	frssp					.25-.3
		5-43	wk-mfsbk rd/cl	fr/sp-ss/sp/sp	Low matrix chroma		Low manganese coatings		
		43-58	(B-C) wk fsbk rd/l	frssp	common mottles/sp				
2	10% 1-5	0-6	gr lbr/sl	frssp					.25-.3
		6-13	wk fsbk lbr/sl	frssp					
		13-51	wk-mfsbk rc	fr/sp/stp	Low manganese coatings				
3		0-12	gr wk sbk lbr/sl/scl	frssp					.3
		12-37	mfsbk rc	fr/sp/stp					
		37-49	wk fsbk rpd/l (B-C)	frssp/stp	common mottles/sp				
4									

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

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

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).

