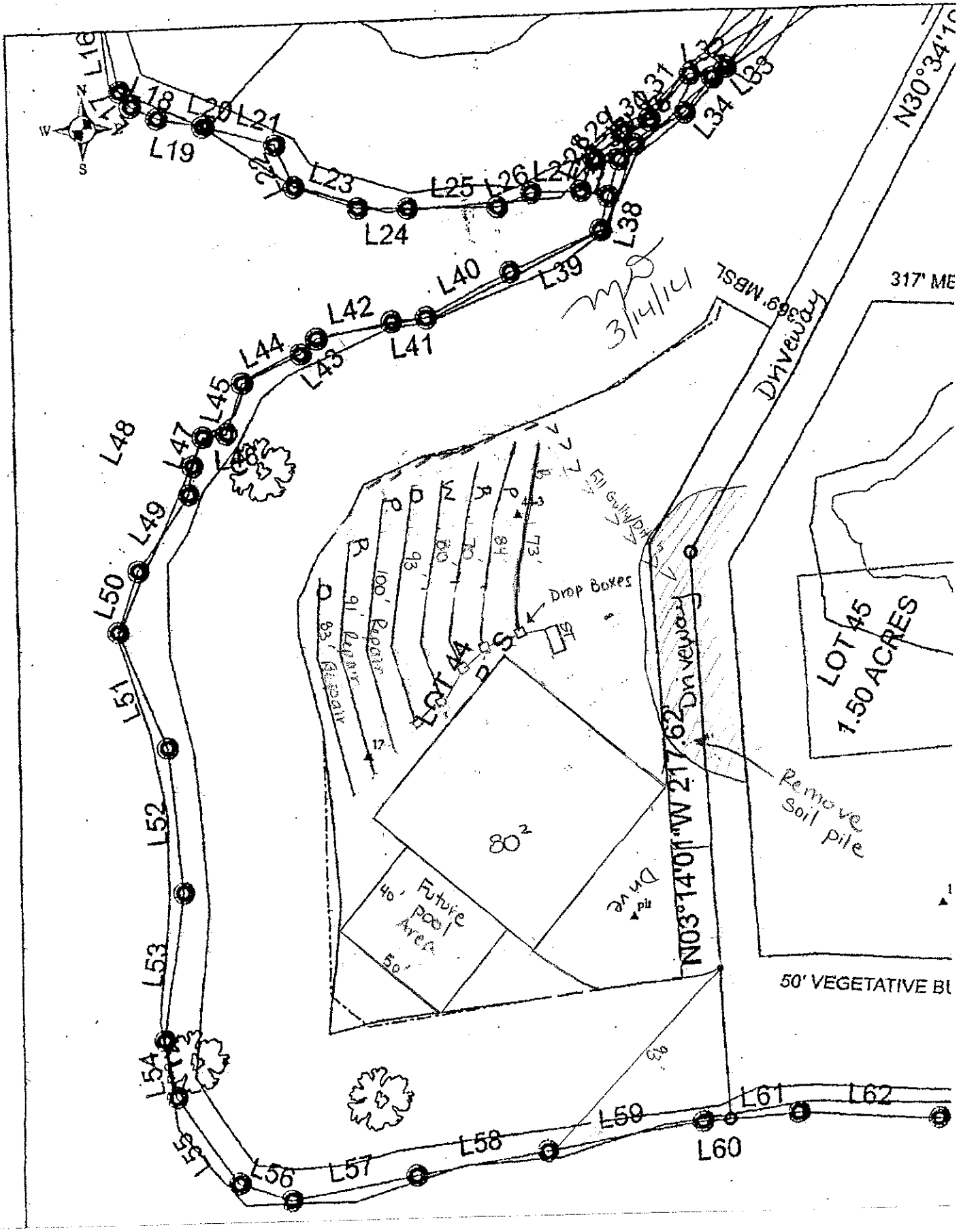
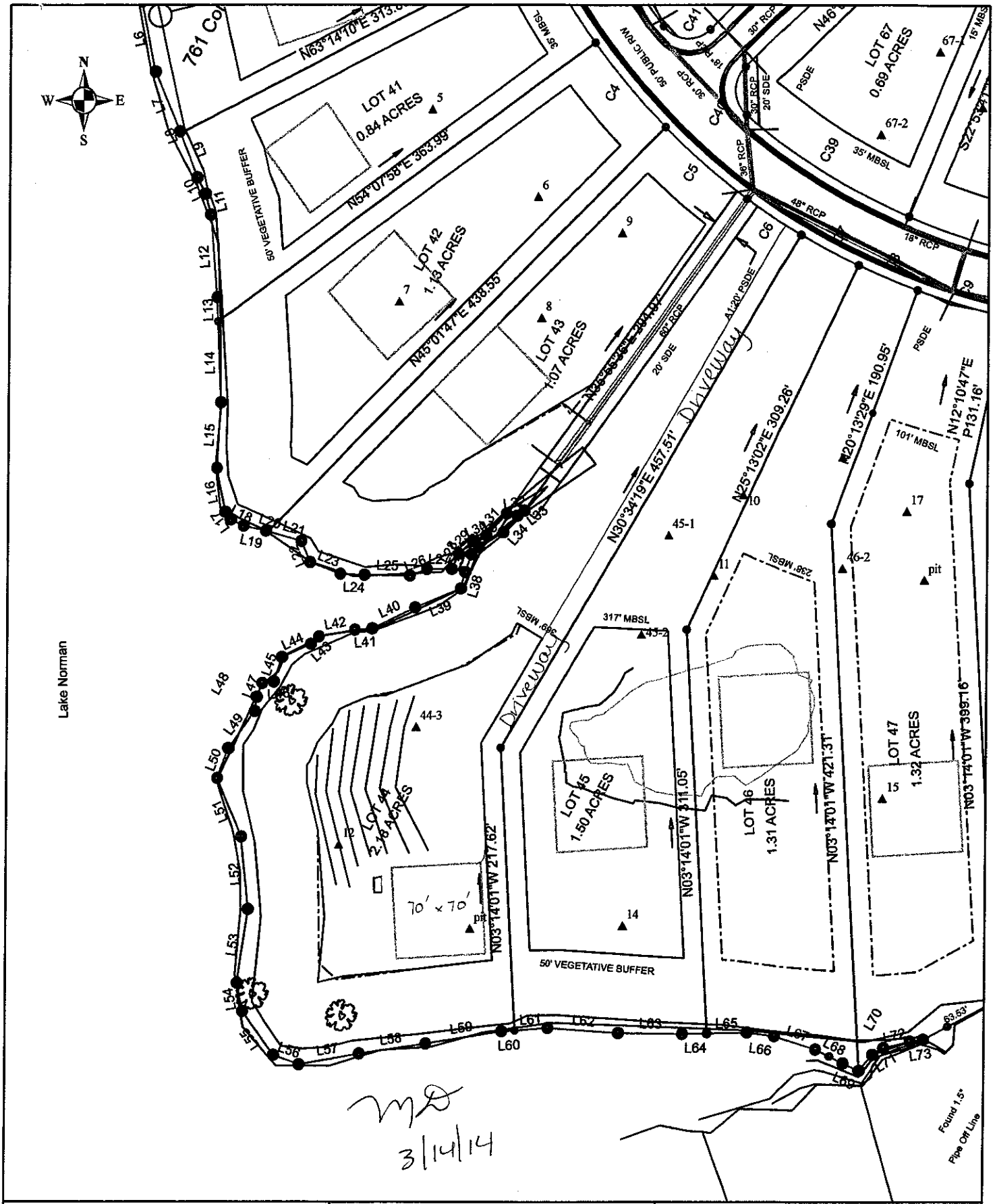
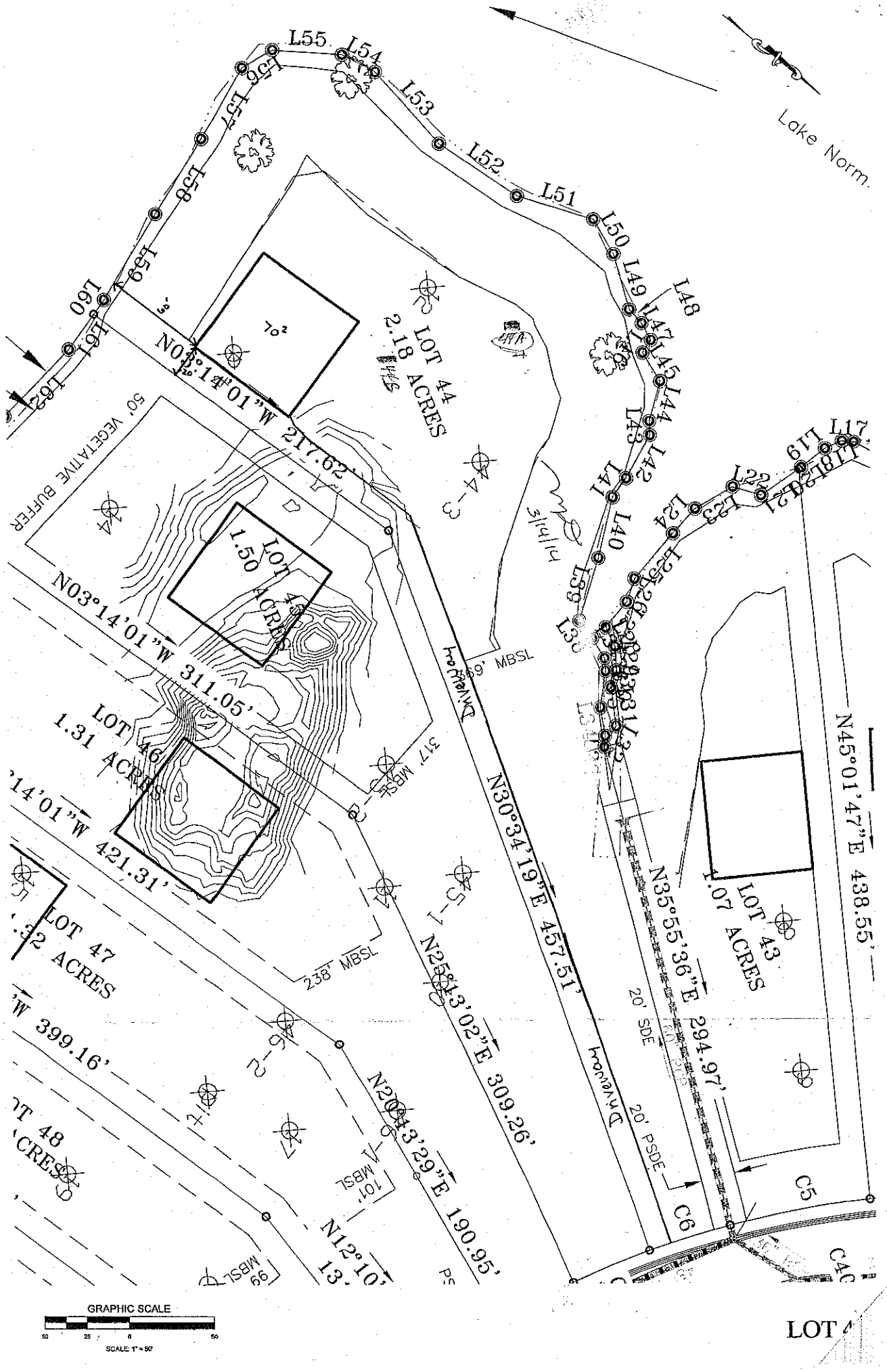

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L61
L62
N30°34'1
317' ME
369' MBSL
Driveway
3/14/14
Drop Boxes
Fill Gully/Dry
100' Repair
91' Repair
83' Repair
LOT 44
LOT 45
1.50 ACRES
Driveway
N03°14'01"W 217.62'
Remove Soil pile
80²
Future 40' pool Area
50'
Drive
50' VEGETATIVE BU



Scale: 1 inch equals 100 feet	S&ME	Lot 44 Chesapeke Point	FIGURE
Drawn by: JBP		Detailed, Scaled Site Plan	1
Reviewed by: KS		Iredell County, NC	
Date: September, 2006	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	S&ME Project #1588-04-011	


Lake Norm
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L4
L3
L2
L1
LOT 44
2.18 ACRES
LOT 45
1.50 ACRES
LOT 46
1.31 ACRES
LOT 47
.32 ACRES
LOT 48
ACRES
LOT 43
1.07 ACRES
50' VEGETATIVE BUFFER
N03°14'01"W 217.62'
N03°14'01"W 311.05'
14'01"W 421.31'
'W 399.16'
N30°34'19"E 457.51'
N25°43'02"E 309.26'
N20°43'29"E 190.95'
N12°10'
N35°55'36"E 294.97'
N45°01'47"E 438.55'
59' MBSL
317' MBSL
238' MBSL
101' MBSL
99' MBSL
20' SDE
20' PSDE
C1
C2
C3
C4
C5
C6
GRAPHIC SCALE
50 25 0 50
SCALE: 1" = 50'
LOT 4

S&ME, INC.

SITE/SOIL EVALUATION

Project No. _____ **Phone No.** _____ **Date:** _____
Location _____ **Pin** _____ **County:** _____ **Property Size** _____

Proposed Facility: _____ **Water Supply:** **On-Site Well** ☐ **Community** ☐ **Public** ☐ **Evalulation:** **Auger Boring** ☐ **Pit** ☐ **Cut** ☐

Weather: _____ **Antecedent Moisture** _____ **Surface Water:** _____

FACTORS	PROFILE 9 (LOT 43-FRONT)	PROFILE 12 (LOT 44)	PROFILE 13 (LOT 45)	PROFILE 16 (LOT 47-MIDDLE)
Landscape Position %	L	L	L	L
Horizon Depth I	0-10	0-7	0-8	0-9
Color Munsell	Br	Br	Br	Br
Texture	SL	SL	SL	SL
Structure	WK SBK	Mo GR	Mo GR	Mo GR
Consistence	FR SS/SP	FR SS/SP	FR SS/SP	FR SS/SP
Boundary				
Horizon Depth II	10-21	7-14	8-20	9-20
Color – Munsell	Red Br	Red Br	Red	Red
Texture	SCL	SCL	C	C
Mottles	—	—	—	F Mica
Structure	WK SBK	WK SBK	Mo SBK	Mo SBK
Consistence	FR SS/SP	FR SS/SP	FR SS/SP	FR SS/SP
Boundary				
Horizon Depth III	21-39	14-35	20-48	20-45
Color – Munsell	Red	Red	Red	Red
Texture	C	C	C/CL	CL
Mottles	—	F mica	C Yel Br/Ch. 25	C sap
Structure	Mo SBK	Mo SBK	Mo ABK	WK SBK
Consistence	FR SS/SP	FR SS/SP	FI S/P	FR SS/SP
			* Relic mostly	
			can pull chunks	
Boundary			of white SL	
Horizon Depth IV	39-57	35-53	sap out	
Color – Munsell	Red	Red	some drain.	
Texture	CL	CL		
Mottles	C Yel Br	C mica/sap		
Structure	WK SBK	WK SBK		
Consistence	FR SS/SP	FR SS/SP		
	* Some relic			
	Few Drain.			
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite				
LTAR				
Classification				

.25 to 57" .3 to 58" .25-.3 to 26"? .3 to 45"

MD 3/14/14

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
S	Foot Slope
N	Nose Slope
H	Head Slope
Cc	Conclave Slope
Cv	Convex Slope
T	Terrace
P	Flood Plain

TEXTURE

s	sand
ls	Loamy sand
sl	sandy loam
l	loam
si	silt
sil	silt loam
sicl	silty clay loam
cl	clay loam
scl	sandy clay loam
sc	sandy clay
sic	silty clay
c	clay

CONSISTENCE WET

Ns	non-sticky
Ss	slightly sticky
S	sticky
Vs	very sticky
Np	non-plastic
Sp	slightly plastic
P	plastic
Vp	very plastic

MOIST

vfr	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

sg	single grain
m	massive
cr	crumb
gr	granular
sab	subangular blocky
ab	agular blocky
pl	platy
pr	prismatic

9.22.06

4HA 0-8 gr brn sl fr sscp

8-34 mt sdy mdc fr sscp

34-57 wh sdy gr cl fr sscp
few vf sap

-3

4HB 0-6 gr brn sl fr sscp

6-23 mt sdy mdc fr sscp

23-54 wh sdy cl fr sscp

-3

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

Sheet ____ *of* ____
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

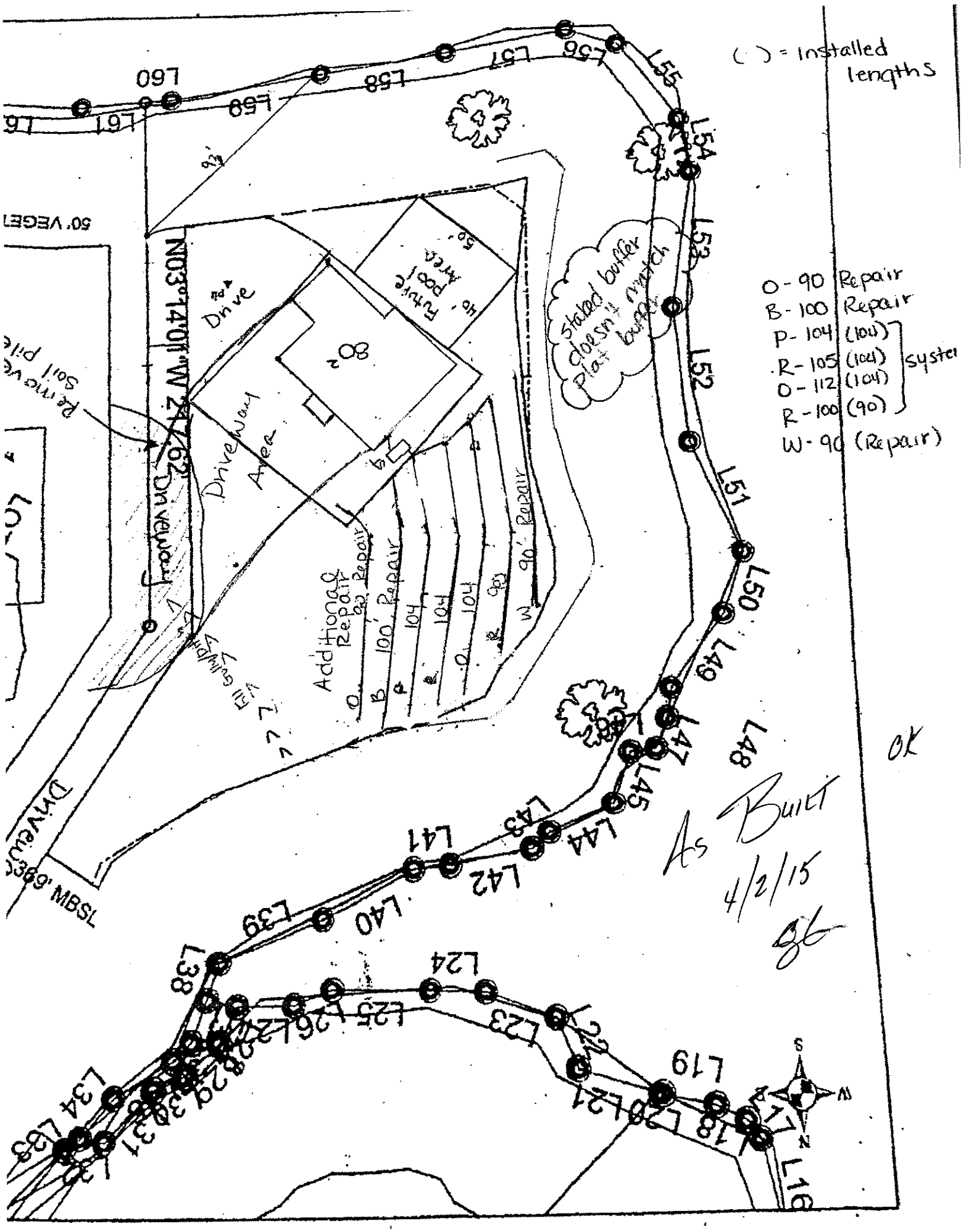
OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 7/26/16
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 44 PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ 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									
2									
3	L 8-10%	0-8	wsbk sl	FR SS/SP	BR	F/L Sap			PS 0.3
		8-23	msbk c	FR SS/SP	R				
		23-38	wsbk cl	FR SS/SP	R				
		38-51	MA sl	FR SS/SP	YR				
4								MS 3/14/14	

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

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

COMMENTS: _____


( ) = Installed lengths
O - 90 Repair
B - 100 Repair
P - 104 (104)
R - 105 (104)
O - 112 (104)
R - 100 (90)
W - 90 (Repair)
syste
Shaded buffer doesn't match Plat buffer
Physic Pool Area
80²
Drive
Driveway Apron
Driveway
Additional Repair
90' Repair
N03°14'01"W 247.62'
369' MBSL
As Built
4/2/15
OK

As Built OK 4/2/15 SL

Lot 44 Chesapeake Point Fast Track - The Oaks Group, PA

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System LTAR (gpd/ft2)	**0.3 (Per Existing Permit)**
Primary System Type	**25% Reduction**
No. Lines	4 (See Table)
Total Linear Feet	402
Trench Width	3' min.
Trench Spacing	9' min.
Distribution Device	Distribution Box or Other
Tank Size	1000 gallon tank
Max Trench Bottom Depth (Low Side)	36 inches (Per Existing Permit)
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Linear Feet	280
Repair Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Orange	LP PPBPS	90
2	Repair	Blue	LP PPBPS	100
3	System	Pink	25% Reduction	104 endfed
4	System	Red	25% Reduction	104 endfed
5	System	Orange	25% Reduction	104 endfed
6	System	Red	25% Reduction	90 endfed
7	Repair	White	LP PPBPS	90
				Total System: 402'
				Total Repair: 280'

Note: Buffer staked on lot doesn't match buffer shown on site plan.

Additional Repair Available above flagged Repair.

SL