DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4648575578
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Magnolia Lake Partners
ADDRESS: 1 PO Box 3965, Mooresville
PROPOSED FACILITY: SFR, 5BR
LOCATION OF SITE: Lot 4 Systems Cove
APPLICATION DATE
DATE EVALUATED: 3-15-13
PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: .58 ac
PROPERTY RECORDED: Yes
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) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	9% L	0-4	wk sbk cl	fr sspl	49"+ apparent hpc	49"	NA	NA	.3
		4-36	wk sbk c	fr sspl sspp					
		36-49	wk sbk cl	fr sspl sspp					
		49-55	wk sbk cl	fr sspl					
			Lithochromic clay						
2	10% L	0-7	wk sbk cl	fr ssp	NA	55"	NA	NA	.3
		7-39	wk sbk red c	fr ssp sspp					
		39-55	wk sbk red clay c	fr ssp					
				Iredell sap					
3	11% L	0-10	gravelly fill						.25
		10-16	wk sbk scl	fr ssp					
		16-23	wk sbk cl	fr ssp					
		23-56	wk sbk R brn c	fr sp-ssp					
			few manganese coatings						
4	7% L	0-6	comp fill some gravel Dk red cl						
		6-31	wk sbk Red c	fr sp ssp	NA	58"	NA	NA	.25
		31-58	wk sbk R brn c	fr sp	few manganese coatings few yellow mottles				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	25% Rec. 1938	25% Rec. 1957
System Type(s)	LPP/PRS	LPP/PRS
Site LTAR	.125	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): RS
EVALUATED BY: David Hinson
OTHER(S) PRESENT: Paul Pennington

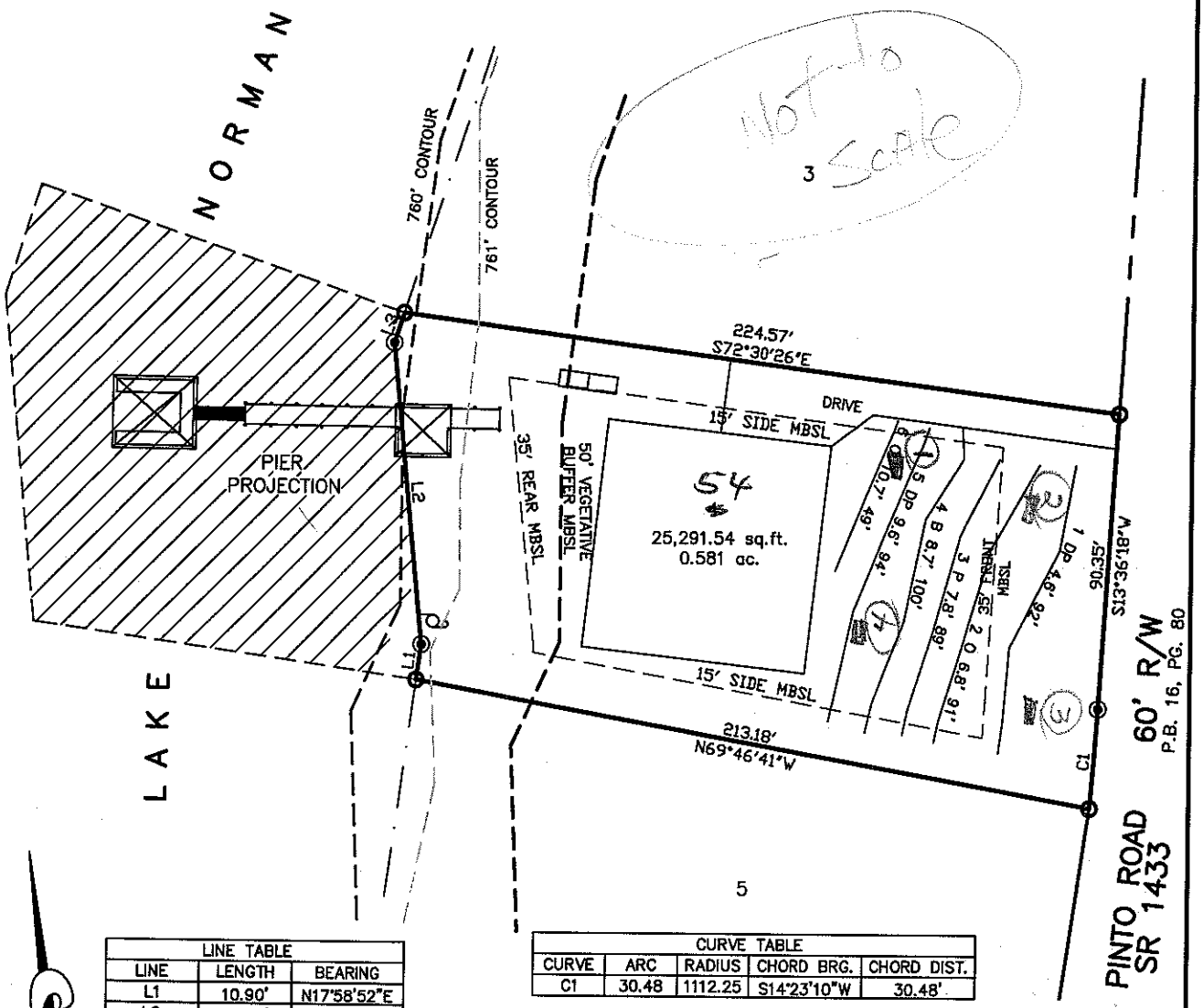
COMMENTS:
Hit water & electric lines in pit 1. Remove & compact as needed for final location.

MINIMUM BUILDING SETBACK LINES:

FRONT----------35 FEET
SIDELINE----------15 FEET
SIDELINE ABUTTING STREET-------25 FEET
REAR----------35 FEET FROM PROJECT BOUNDARY OR
50' FROM 760' CONTOUR LINE

LEGEND:

MBSL – MINIMUM BUILDING SETBACK LINE
EIP – EXISTING IRON PIN
VB – 50' REAR VEGETATIVE BUFFER
◉ – UNMARKED POINT



LINE TABLE		
LINE	LENGTH	BEARING
L1	10.90'	N17°58'52"E
L2	92.60'	N04°10'11"E
L3	9.60'	N28°31'11"E

CURVE TABLE				
CURVE	ARC	RADIUS	CHORD BRG.	CHORD DIST.
C1	30.48	1112.25	S14°23'10"W	30.48'

PIER PROJECTION MAP FOR

~~MAGNOLIA BAY EAST~~ Sisters Cove Ph. 3

DAVIDSON TOWNSHIP | IREDELL COUNTY | NORTH CAROLINA

PIN NO: 4648-57-5578 | SCALE: 1"=50' | DRAWN BY: SMS

DEED REF.: 1876-2391 | DATE: 09-20-07 | DRAWING NO: K02307-PIER4

KESTLER SURVEYING, INC.
P.O. BOX 1793, STATESVILLE, N.C. 28687 PH. 704 - 872 - 0212

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

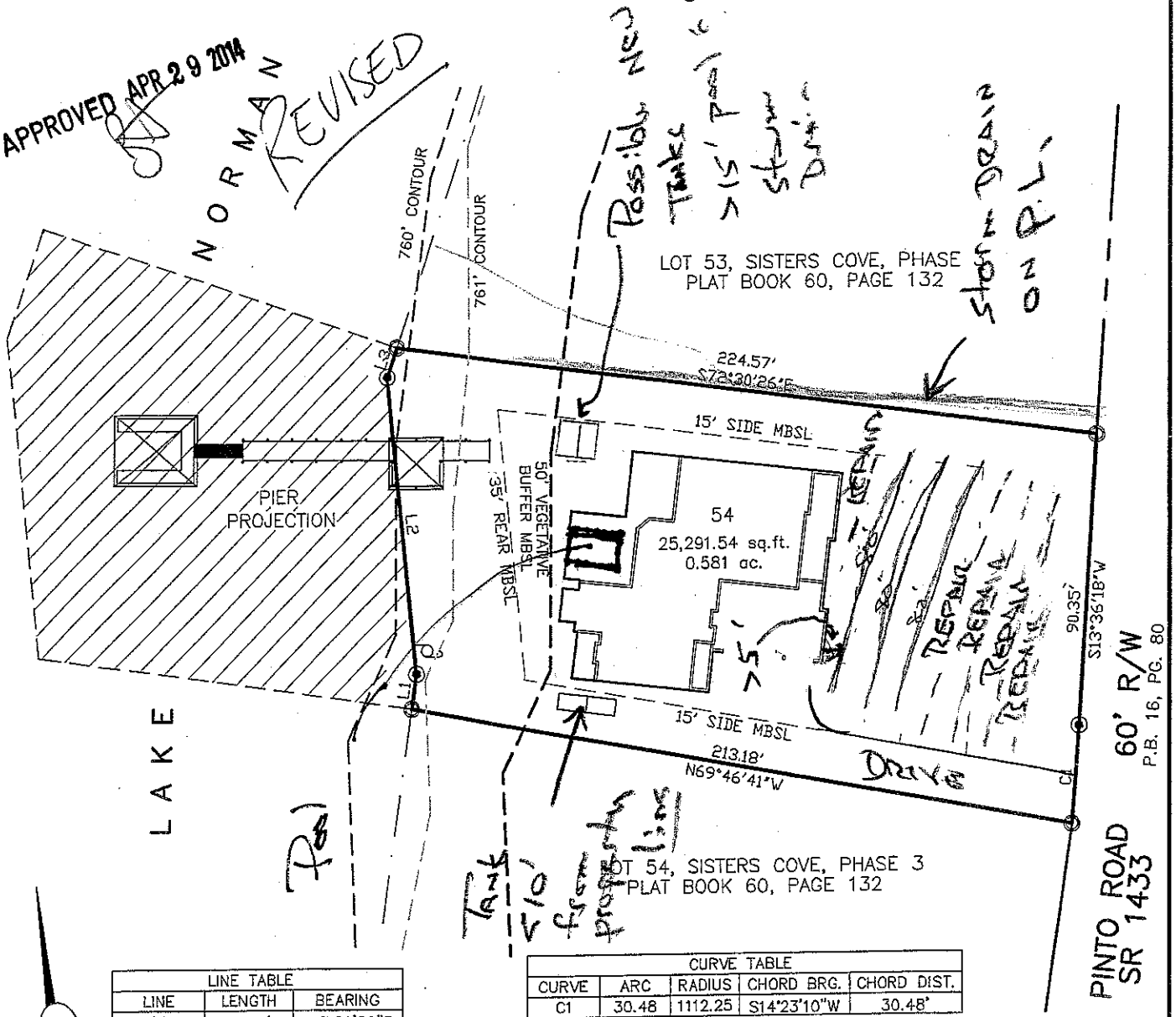
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APPROVED APR 29 2014



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PIER PROJECTION MAP FOR

LOT 54, SISTERS COVE, PHASE 3

DAVIDSON TOWNSHIP | IREDELL COUNTY | NORTH CAROLINA

PIN NO: 4648-57-5578 | SCALE: 1"=50' | DRAWN BY: SMS

DEED REF.: 1876-2391 | DATE: 08-19-13 | DRAWING NO: K02307-PIER54

KESTLER SURVEYING, INC.
2351 SIMONTON ROAD, STATESVILLE, N.C. 28625 PH. 704 - 872 - 0212

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

1 inch = 50 ft.

NAD83