ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office [redacted] x3456 | Mooresville Office (704) 660-3625

SW (12)

PERMIT: OSWP 2023-437 06

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4636-01-3412

APPLICANT/OWNER: Russell Williams | APPLICANT ADDRESS: 4919 E. Maiden Rd. Maiden NC 28650

SITE ADDRESS: 253 Cove Creek Rd. Mooresville NC 28117 | PHONE: 980-429-1580 | ALT. PHONE —

SITE DIRECTIONS: BSE - @ Isle of Pines - @ Cove Creek - lot on @ | SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Chesapeake Pointe | SECTION: 3 | LOT # 44 | LOT AREA: 2.14 | DESIGN FLOW: 480gpd | L.T.A.R.(Initial): .3 | L.T.A.R (Repair): .3

Septic Tank: Ex. (gal) STB: Date:
Pump Tank: (gal) PT: Date:
Pump Make: Model: Serial #:
Nitrification Fields: 1 # Lines: Ex + 1 Linear Ft: Ex+82'
Trench Width: 36" *Max. Trench Depth(Initial): 34" *Max. Trench Depth(Repair): 32" Gravel Depth: —
* Measured on the downhill side of the trench
Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☐ New System ☐ Repair ☑ Expansion System Type: I II (III) IV V VI
System Description: Existing + 25% Reduction
Repair System Description: 50% Reduction
Maintenance Agreement Required: ☐ YES ☑ NO
☑ GRAVITY ☐ PRESSURE
Usable Depth to LC (Initial): 48" Usable Depth to LC (Repair): 48" Limiting Condition

☑ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/plumbing
No. Bedrooms: 4 No. Persons: 8 No. Employees: ☑ Crawl Space ☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☑ Community

Comments / Conditions: Keep supply line 5' off foundation, no foundation drains. Chambers to be 10' off foundation. Do not pave, grade, park, drive, or bury utilities in drainfield

INITIAL SITE SKETCH

See approved site plan by ICHD

AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

1" = 40'

* New 82' Ex line 7 ft from proposed addition.
O.U. per 18E Rules.
- Irrigation capped.

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat* valid without expiration. ☑ **IMPROVEMENT PERMIT** *with site plan* valid for 60 mos. ☑ **AUTHORIZATION TO CONSTRUCT** valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: online Date: —

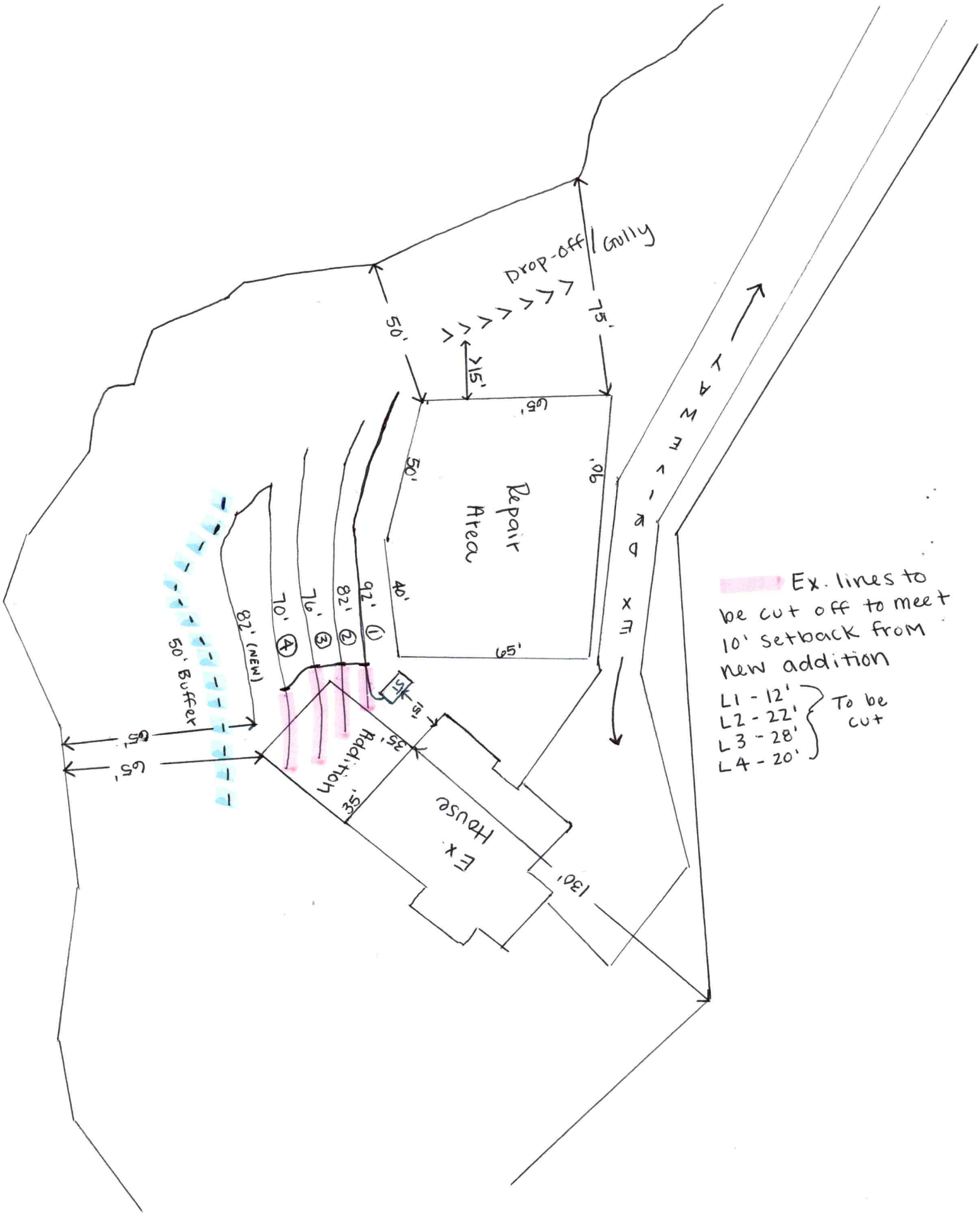
IMPROVEMENT PERMIT by: Sydney Holland Date: 2/9/24

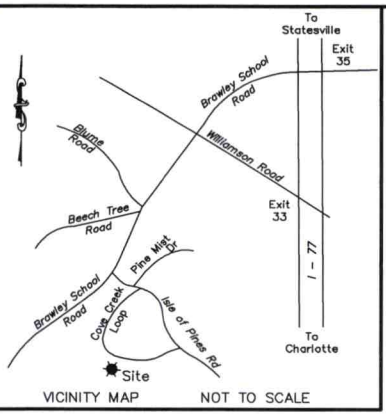
AUTHORIZATION TO CONSTRUCT by: Sydney Holland Date: 2/9/24

Installed by: Russell Williams

OPERATION PERMIT by: Benjamin A. Bottoms Date: 2/20/2024

Existing System Inspected by: Date:


Drop-off / Gully
50'
75'
15'
65'
50'
90'
Repair Area
40'
65'
92' ①
82' ②
76' ③
70' ④
82' (NEW)
50' Buffer
65'
65'
15'
15'
35'
35'
Addition
Ex. House
130'
Ex. lines to be cut off to meet 10' setback from new addition
L1 - 12'
L2 - 22'
L3 - 28'
L4 - 20'
To be cut



VICINITY MAP NOT TO SCALE

I, JIMMY N. FAIRES, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; DEED DESCRIPTION AND/OR MAP BOOK _SEE_, PAGE _NOTE #2_; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK _N/A_, PAGE _N/A_; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56.1600). WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS _____ DAY OF _____ 2014.

PRELIMINARY

JIMMY N. FAIRES, PLS
LICENSE NUMBER: L-4311

GRAPHIC SCALE

60 0 30 60

(IN FEET)
1 inch = 60 ft.

SURVEYOR NOTES

1) ALL DIMENSIONS SHOWN ARE IN US SURVEY FEET AND DECIMALS THEREOF AND ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE INDICATED. AREA BY COORDINATE METHOD.

2) THIS PLOT PLAN IS BASED ON PLAT BOOK 51 PAGE 15 AS RECORDED AT THE IREDELL COUNTY REGISTER OF DEEDS.

3) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION BY AN ATTORNEY. THE PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS-OF-WAY, EASEMENTS, RESTRICTIVE COVENANTS OR CONDITIONS NOT OBSERVED OR SHOWN HEREON.

4) THIS LOT LIES WITHIN A SUBDIVISION THAT WAS PREVIOUSLY TIED TO THE NORTH CAROLINA GRID SYSTEM.

5) BASIS OF BEARINGS: PLAT BOOK 51 PAGE 15 - DATED: JANUARY 10, 2007

6) #4 REBAR AT ALL CORNERS, EXCLUDING COMPUTED POINTS ALONG 760 CONTOUR. ALL CORNERS "FOUND" or "SET" ARE FLUSH WITH THE GROUND, UNLESS OTHERWISE NOTED.

7) THE LOCATION OF UTILITIES AS SHOWN HEREON, WHETHER PUBLIC OR PRIVATE, ARE BASED ON THE LOCATION OF VISIBLE ABOVE GROUND APPURTENANCES ONLY. OTHER UTILITIES WHICH WERE NOT OBSERVED AND NOT SHOWN HERON MAY EXIST. IT IS THE OWNERS/TENANTS RESPONSIBILITY TO VERIFY THE LOCATION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. GEOMATIC CONCEPTS, PLLC CANNOT ASSUME RESPONSIBILITY FOR MISIDENTIFICATION OR OMISSION OF UNDERGROUND UTILITIES.

8) THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

760' stakes
New addition stakes
50' setback stakes

LEGEND

R/W = Right-of-way
~ = Not to Scale
= Storm Drain Curb Inlet
(T) = Total
CP = Computed Point
MBSL = Minimum Building Setback Line

LINE TABLE		
LINE	LENGTH	BEARING
L1	49.16'	S81°38'29"W
L2	48.95'	S80°26'53"W
L3	21.18'	N70°17'23"W
L4	41.55'	N35°55'35"W
L5	22.24'	N11°29'23"W
L6	57.17'	N08°29'56"E
L7	56.17'	N05°41'53"W
L8	48.69'	N22°35'56"W
L9	24.58'	N20°32'16"E
L10	34.97'	N35°12'43"E
L11	11.00'	N08°49'57"E
L12	11.58'	N21°25'47"E
L13	9.11'	N84°22'09"E
L14	20.00'	N17°58'40"E
L15	24.89'	N65°53'23"E
L16	8.52'	N48°21'38"E
L17	29.48'	N79°56'35"E
L18	13.74'	N85°50'26"E
L19	37.10'	N64°17'30"E
L20	38.93'	N67°53'15"E
L21	13.11'	N15°08'23"E
L22	14.35'	N18°50'56"E
L23	8.01'	N46°12'19"E
L24	22.29'	N59°03'50"E
L25	16.88'	N40°41'17"E
L26	6.65'	N54°46'00"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD	DELTA
C1	50.00'	535.00'	S56°45'02"E	49.98'	5°21'17"

PRELIMINARY PLAN
NOT FOR RECORDATION
CONVEYANCES AND/OR SALES

PLOT PLAN

LOT 44 - CHESAPEAKE POINTE
PLAT BOOK: 51, PAGE: 15

253 COVE CREEK LOOP
DAVIDSON TOWNSHIP, IREDELL COUNTY, NORTH CAROLINA

Owner(s):	Prepared For:
DAVID L & JULIE M CHRISTOPHER 253 COVE CREEK LOOP MOORESVILLE, NC 28117	PEACHTREE RESIDENTIAL, LLC 7380 McGINNIS FERRY ROAD SUWANEE, GA 30024

GEOMATIC CONCEPTS, PLLC
NC LICENSE #: P-1031
633 MIDWAY ROAD, STATESVILLE, NC 28625-8896
PHONE: 704-361-0412 EMAIL: JIMMY.FAIRES@GEOMATICCONCEPTS.COM

Drawn By: JNF	Checked By: JNF	Scale	Project No.
Tax PIN: 4636-01-3412		1" = 50'	14053
Date: OCTOBER 3, 2014			Sheet No.
File: 14053-Lot-44-Chesapeake-Rev-2.dwg			1 of 1

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4636001341 2
COUNTY: Iredell

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: David Christopher DATE EVALUATED: 2/8/24
ADDRESS: 253 Cove Creek, Mooresville
PROPOSED FACILITY: 4BR PROPOSED DESIGN FLOW (.0400): 480gpd PROPERTY SIZE: 2.18 acreas
LOCATION OF SITE: 253 Cove Creek Lp, Mooresville PROPERTY RECORDED: yes
WATER SUPPLY: ☑ Public ☐ Single Family Well ☐ Shared Well ☐ Spring ☐ Other _____ WATER SUPPLY SETBACK: 100'
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut TYPE OF WASTEWATER: ☑ Domestic ☐ High Strength ☐ IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRECTION
1	LS 6%	0-10	FILL	Mixed	—	48"	—	—	P.S .3 (I)	1.44"
		10-48	C/SBK	SS-SP-FR-SE	Few Y/B @ 40"+					
2	LS 11%	0-45	C/SBK	SS-SP-FR-SE	—	55"	—	—	P.S .3 (R)	3.96"
		45-55	CL/SBK	SS-SP-FR-SE	Litho inc. common thru-out					
3	LS 11%	0-36	C/SBK	SS-SP-FR-SE	—	48"	—	—	P.S .3 (R)	3.96"
		36-48	CL/SBK	SS-SP-FR-SE	Litho in CL layer					
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	82'	267'
System Type(s)	25%	50%
Site LTAR	.3	.3
Maximum Trench Depth	48"	48"

SITE CLASSIFICATION (.0509): P.S
EVALUATED BY: S. Holland
OTHER(S) PRESENT: _____

Comments: _____

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # ~~13804~~ 205647

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4636013412

APPLICANT: David Christopher/Mark Benite APPLICANT ADDRESS: P.O. Box 140090 Grand Rapids, Mi. 49534

SITE ADDRESS: 253 Cove Creek Lp. Mooresville, NC PHONE: ALT. PHONE: Kathleen 704 578-4951

SITE DIRECTIONS: Brawley School Rd TL Isle of Pines TR Cove Creek on right past Charthouse Ln

SUBDIVISION: Chesapeake Pointe SECTION: III LOT # 44 LOT AREA: 2.18 Ac DESIGN FLOW: 480gpd L.T.A.R.: .3

Septic Tank	1000	(gal)	STB		Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms	4	Water Supply	
Pump Tank		(gal)	PT		Date		System Description:	Gravity - 25% Reduction			☐ Business	No. Persons	8	☐ Private	
Pump Make			Model		Serial #		Repair System Description:	LPP/BPS			☐ Other	No. Employees		☐ Public	
# Nitrification Fields	1		# Lines	5	Linear Ft:	400	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space		☒ Community	
Trench Width	36"		Max. Trench Bottom Depth	36"	Gravel Depth	N/A		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing		☐ Basement w/o plumbing		

Comments / Conditions: *Note: Plumbing must be Stubbed out "high" in order for gravity flow to Septic tank, otherwise a "pump" system will be required.

7/29/14 Reviewed Floor plans, in Compliance With Improvement Permit

INITIAL SITE SKETCH

See approved plan by Kathleen Saunders (dated 3-10-14)

AS BUILT SKETCH

Plumbing Stubbed out low. Tank Location was moved to accomodate Gravity System. Refer to As Built Submitted from The Oaks Group Dated 4/2/15. Additional Repair Available.

SL

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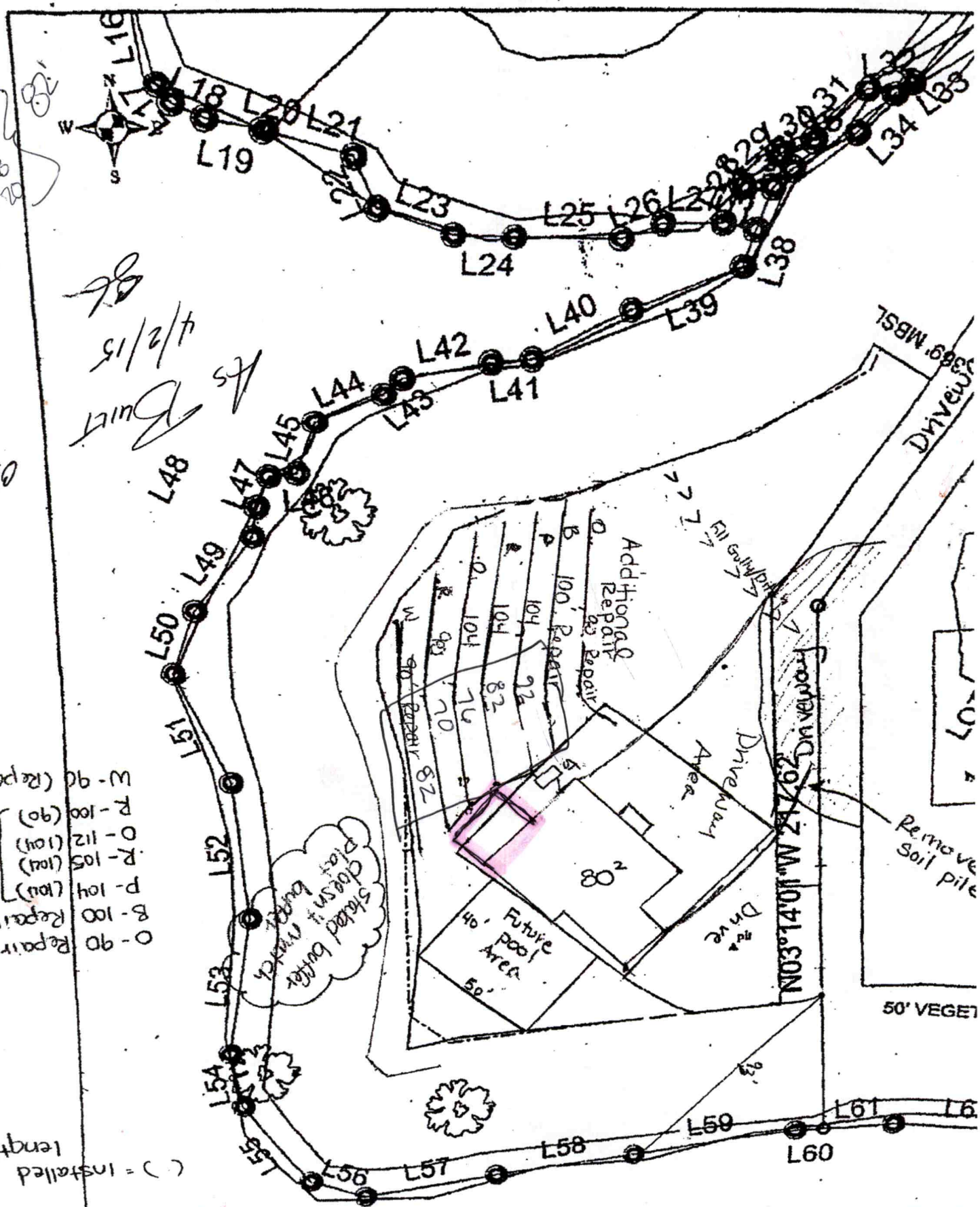
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Kathleen Saunders Date: 3-19-14 Installed by: Richard Abernathy

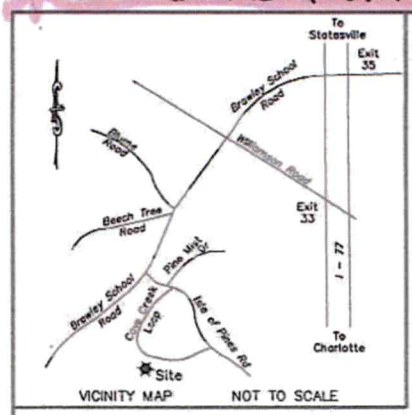
IMPROVEMENT PERMIT by: Maria Dolan RS Date: 3/17/14 OPERATION PERMIT by: APPROVED APR 07 2015 Date:

AUTHORIZATION TO CONSTRUCT by: Maria Dolan RS Date: 7/29/14 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK


L16
L17
L18
L19
L20
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L58
L59
L60
L61
N
W
E
S
Driveway
Addtional Repair
100' Repair
90' Repair
Fill Gully
Driveway Area
80²
Future pool Area
50'
Shaded bushy Plants buffer
Remove Soil pile
50' VEGET
N03°17'01"W 29.27'
Driveway
L1-12
L2-22
L3-28
L4-20
O - 90 Repair
B - 100 Repair
P - 104 (Ideal)
R - 105 (Ideal)
O - 112 (Ideal)
P - 100 (90)
W - 90 (Repair)
( ) = Installed lengths

Setbacks from Addition and the 50' Buffer from Lake



VICINITY MAP NOT TO SCALE

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PRELIMINARY

JIMMY N. FAIRES, PLS
LICENSE NUMBER: L-4311

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60 0 30 60

(IN FEET)
1 inch = 60 ft.

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760' stakes
New addition stakes
50' setback stakes

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PRELIMINARY PLAN
NOT FOR RECORDATION
CONVEYANCES AND/OR SALES

CURVE TABLE					
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PLOT PLAN

LOT 44 - CHESAPEAKE POINTE
PLAT BOOK: 51, PAGE: 15

253 COVE CREEK LOOP
DAVIDSON TOWNSHIP, IREDELL COUNTY, NORTH CAROLINA

Owner(s):	Prepared For:
DAVID L & JULIE M CHRISTOPHER 253 COVE CREEK LOOP MOORESVILLE, NC 28117	PEACHTREE RESIDENTIAL, LLC 7380 McGINNIS FERRY ROAD SUWANEE, GA 30024

GEOMATIC CONCEPTS, PLLC
NC LICENSE #: P-1031
633 MIDWAY ROAD, STATESVILLE, NC 28625-8696
PHONE: 704-361-0412 EMAIL: JIMMY.FAIRES@GEOMATICCONCEPTS.COM

Drawn By: JNF	Checked By: JNF	Scale: 1" = 50'	Project No.: 14053
Tax PIN: 4636-01-3412			
Date: OCTOBER 3, 2014			Sheet No.: 1 of 1
File: 14053-Lot-44-Chesapeake-Rev-2.dwg			