

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #:

PIN #:

OP DATE:

SYSTEM USE:

- ☒ House
☐ Mobile Home
☐ Business
☐ Other

SEWAGE TYPE:

- ☒ Domestic
☐ Industrial

PUMP/SIPHON?:

- ☐ Yes
☒ No

PRESSURE MANIFOLD:

- ☐ Yes
☒ No

SYSTEM TYPE:

- ☐ I
☐ II
☒ III
☐ IV
☐ V
☐ VI
☐ Other

SUB TYPE:

- ☐ A
☒ B
☐ C
☐ D
☐ E
☐ F
☒ G

NBR BEDROOMS:

- ☐ 1
☐ 2
☐ 3
☒ 4
☐ 5
☐ 6
☐ Other

MAINT. SCHEDULE:

- ☐ Yes
☒ No

CERT. OPERATOR

- ☐ Yes
☒ No

GT ST PT SIZE

- | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------|
| ☐ | ☐ | | 750 |
| ☐ | ☐ | ☐ | 900 |
| ☐ | ☐ | ☐ | 1,000 |
| ☐ | ☒ | ☐ | 1,200 |
| ☐ | ☐ | ☐ | 1,500 |
| ☐ | ☐ | ☐ | 1,800 |
| ☐ | ☐ | ☐ | 2,100 |
| ☐ | ☐ | ☐ | 2,500 |
| ☐ | ☐ | ☐ | 3,000 |
| ☐ | ☐ | ☐ | 4,000 |
| ☐ | ☐ | ☐ | 5,000 |
| ☐ | ☐ | ☐ | 8,000 |
| ☐ | ☐ | ☐ | 10,000 |
| ☐ | ☐ | ☐ | Other |
| ☒ | | ☒ | None/NA GT or PT |

DRAINFIELD SIZE(SQ. FT.)

DRAIN TYPE:

- ☐ Stone
☒ EZ Flow
☐ Infiltrator
☐ Biodiffuser
☐ Cultec
☐ Drip
☐ Hancor
☐ Large Dia. Pipe
☐ Multi-Pipe
☐ Other

MAX DEPTH (IN.):

- ☐ 12 in. or less
☒ 18 in. or less
☐ 24 in. or less
☐ 26 in. or less
☐ 28 in. or less
☐ 30 in. or less
☐ 32 in. or less
☐ 36 in. or less
☐ Other

STONE DEPTH (IN.):

- ☐ 8 in. or less
☒ 12 in. or less
☐ 18 in. or less
☐ 24 in. or less
☐ Other

TRENCHES:

- ☒ Individual
☐ Bed

TRENCH WIDTH (IN.):

- ☐ 12 in. or less
☐ 18 in.
☐ 24 in.
☒ 36 in.
☐ 6 ft. or less
☐ 9 ft. or less
☐ Other

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL AND SEWAGE SITE LOCATION PERMIT
 NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED
 UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION HAS BEEN ISSUED
PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/ OR IF SITE IS ALTERED OR INTENDED USE CHANGED

PERMIT#: D038937 STATUS: A APP. DATE: 01/10/2007 BLDG. PERMIT#: 0072251
 PIN: 1769.02 88 5701 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
 TOWNSHIP: 19 WAKE FOREST JURISDICTION: WC ZONING: R40W
 APPLICANT: THE DREES COMPANY
 7701 SIX FORKS RD SUITE 132
 RALEIGH, NC 27615
 (919) 844 - 9288
 USE: HD USE: 101 ONE-FAMILY HOUSE
 EXIST USE:
 DISPOSAL: BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0
 SITE: ADDRESS: 5604 PINE ROCK CT
 SUBDIVISION: LAKES OF ROLESV LOT: 14 ACRES: 0.92
 DIRECTION: 401N, PASS ROLESVILLE COMM. S/D ON LEFT

Well System: WATER: COMMUNITY TYPE:

WELL LOG INFORMATION: DEPTH: CASING DEPTH: YIELD: STATIC LEVEL:
 WELL CONTRACTOR: REG.# PUMP CONTRACTOR: REG.#
 Construction Compliance GROUT APPROVED ☐ DATE EHS
 WELLHEAD APPROVED ☐ DATE EHS
 SYSTEM FINALIZED ☐ DATE EHS

COMMENTS:

DESIGN FLOW: gal./min. ACTUAL FLOW: INNOVATIVE LETTER:
 INSTALLED BY: Quality Landscaping INSTALLATION APPROVED BY:
 PROPRIETARY SYSTEM: FILTER NO: PL68
 COMMENTS:

OPERATIONS PERMIT ISSUED? 1 OP DATE: 5-25-07 BY:

This permit is based in part on information provided by the homeowner or his/her representative in the application submitted for this permit. The Environmental Health Specialist is not responsible for false or misleading information contained in the application. The Environmental Health Specialist is also not responsible for concealed conditions on the property or for statements in this report that may have resulted from false or misleading statements provided to him in the application. Neither Wake County nor the Environmental Health Specialist warrants that the septic tank system will continue to function satisfactorily in the future or that the water supply will remain potable.

As Built Information:

Date: 5-25-07 Benchmark: ST Rod reading: 5'3 1/2" Distance to Structure: 8' from deck
 ST: 1200 gals ID#: STB 857 D.O.M.: 6-13-07 Elev.: 5'3 1/2" Distance to Well: NA 15' north
 PT: gals ID#: D.O.M.: Elev.:
 D-box/FD/PM elev.: 6'2 1/2" Supply Line: ft. Pump/Control Panel:
 Line 1: 7'9" Date: 5-25-07 Line 6: Date:
 Line 2: 7'11" Date: Line 7: Date:
 Line 3: 8'3" Date: Line 8: Date:
 Line 4: 8'9" Date: Line 9: Date:
 Line 5: 9'7" Date: Line 10: Date:
 Distance to P/L: Notes:
 19'-10" trench depth

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APPLICANT: THE DREES COMPANY
7701 SIX FORKS RD SUITE 132
RALEIGH, NC 27615
(919) 844 - 9288
USE: HD USE: 101 ONE-FAMILY HOUSE
EXIST USE:
DISPOSAL: BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0 FOUND DRAIN: Y
SITE: ADDRESS: 5604 PINE ROCK CT
SUBDIVISION: LAKES OF ROLESV LOT: 14 ACRES: 0.92
DIRECTION: 401N, PASS ROLESVILLE COMM. S/D ON LEFT

IMPROVEMENT PERMIT

TANK SIZE: 1200 gal. PUMP Tank: ____ gal. SQ FT: 1350 INNOVATIVE MAX DEPTH LINE: 19 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III G PUMP: N P/M: N
DAILY FLOW: 480 gal/day DESIGN FEE REQ?: PAID?: WATER: COMMUNITY

COMMENTS:

IP ISSUED? Y DATE: 02/01/2007 BY: (CHH) Christ H Hayes PHONE#: 868-2564

AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION

VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

AUTHORIZATION CONDITIONS:

Contractors shall install system on contours, see attached site plan for wastewater system design and well location. No underground utilities, water lines or sprinkler systems may be located in the original system or repair areas. A septic tank filter with a riser for access is required. The wastewater system shall not be covered or placed into use until inspected by the Wake County Department of Environmental Services and an Operation Permit issued. An Accepted Status System may be used in place of conventional system, if it can be placed in the permitted/authorized trench footprint (except reduction in line length and/or number as allowed for in approval) and the installation is in accordance with the accepted system approval, without unauthorized product alteration. If permit required use of an Accepted Status System, substitution with another accepted status system may be made, as long as no changes are necessary in the location of each nitrification line (including any increase in line length), trench depth or effluent distribution method. If changes are necessary, prior approval by this office is required before system installation. **OTHER CONDITIONS:**

INSTALL LINES ON CONTOUR. MAINTAIN ALL SETBACKS. DO NOT GRADE OR REMOVE SOIL FROM SEPTIC SYSTEM AREA OR PERMIT WILL BE VOID!! INSTALL 5(90'X3') GRAVELLESS LINES, 25% REDUCTION GIVEN. 19" MAX TRENCH DEPTH. 1200 GAL ST. CALL PRIOR TO INSTALLATION WITH ANY QUESTIONS, CHANGES OR CONCERNS.

TANK SIZE: 1200 gal. PUMP TANK: ____ gal. SQ FT: 1350 INNOVATIVE MAX DEPTH LINE: 19 in.
MAINT: N OPER: N L/O: Y TRENCH#: 5 LENGTH: 90 ft. WIDTH: 36 in. DESIGNER: ____
SUBFIELDS: ____ DESIGN HEAD PRESSURE: ____ DESIGN FLOW: ____ gal/min DOSE VOLUME: ____ gal.

CA ISSUED? Y DATE: 05/01/2007 BY: (CHH) Christ H Hayes PHONE#: 868-2564

*4/24/07
5/1/07 sun*

D#: 038937

P#: 0072251

CURVE TABLE

CURVE	DELTA	RADIUS	ARC	CHORD	TANGENT	CHORD BRG
C1	17°25'51"	277.50'	84.42'	84.10'	42.54'	N 47°45'36" W
C2	50°42'13"	25.00'	22.12'	21.41'	11.85'	N 13°41'34" W
C3	11°43'44"	50.00'	10.24'	10.22'	5.14'	N 05°47'41" E

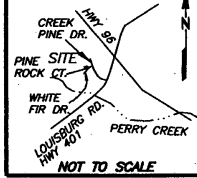
LINE TABLE

LINE	BEARING	DISTANCE
L1	N 56°28'31" W	4.24'
L2	N 39°02'40" W	38.96'
L3	S 58°13'09" E	145.07'

I certify that the location of planned or existing structure(s) are accurately shown. I understand failure to locate structures in accordance with this plot plan may require the relocation of structure(s) regardless degree of completion. I hereby grant permission to Municipal/County Representatives the right of entry to make evaluations or inspections upon this property.

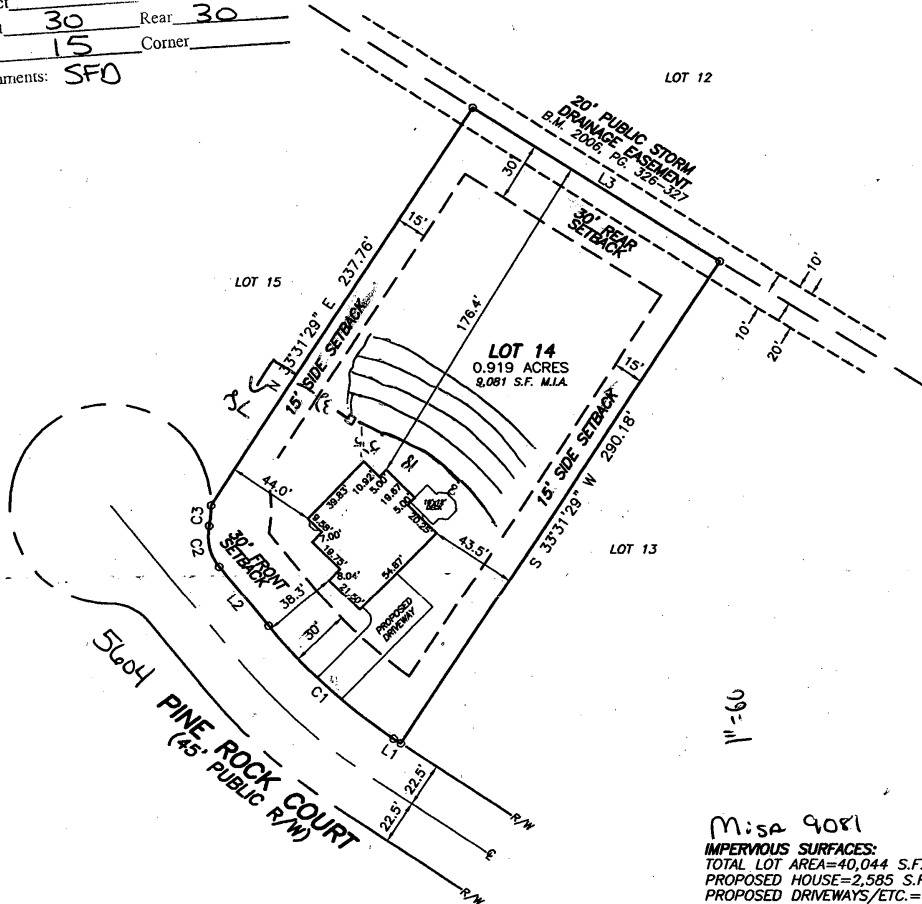
Signature of Owner or Authorized Agent

VICINITY MAP



Zoning R40W By CHL
 Approve ☒ Date 4-23-07
 Revise ☒ Use 101
 Reject ☐ MBL
 Front 30 Rear 30
 Side 15 Corner 30
 Comments: SFO

AS BUILT



Misa 9081

IMPERVIOUS SURFACES:
 TOTAL LOT AREA=40,044 S.F.
 PROPOSED HOUSE=2,585 S.F.
 PROPOSED DRIVEWAYS/ETC.=1,533 S.F.
 TOTAL PROPOSED IMPERVIOUS AREA=4,118 S.F.
 PROPOSED IMPERVIOUS AREA 10.3%

SETBACKS

FRONT-30'
 REAR-30'
 CORNER SIDE=30'
 SIDE-15'

LEGEND

(M.I.A.)-MAX. IMPERVIOUS AREA

NOTES:

1. ALL EASEMENTS, RIGHTS OF WAY, AND BOUNDARY INFORMATION-TAKEN-FROM-B.M.-2006, PG. S-1735-1736 AND B.M. 2007, PG. 655-656 UNLESS OTHERWISE NOTED.

PRELIMINARY PLAT- NOT FOR RECORDATION, CONVEYANCE, OR SALE

LOT 14 THE LAKES OF ROLESVILLE
 5604 PINE ROCK COURT
 WAKE COUNTY
 WAKE FOREST, N.C. 27587

0072251
 D 38937

Revised
 Attn: C. Hayes

REFERENCE: BOOK OF MAPS 2007 PAGE 655-656

PROPERTY OF
THE DREES COMPANY

0' 60' 120' 180'



GRAPHIC SCALE

FILE: LRLOT14PPR1

I, STUART E. PLANTE III,

CERTIFY THAT THIS MAP IS THE RESULT OF A FIELD SURVEY MADE UNDER MY SUPERVISION, AND THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES, WITNESS MY HAND AND SEAL THIS DAY OF A.D., 2007.

LAND SURVEYOR L-4432

SINCLAIR IV
 ELEV. C
 KITCHEN BAY
 3 CAR GARAGE
 RIGHT SIDE ENTRY

ROBINSON & PLANTE PC
 LAND SURVEYING

1330 SE MAYNARD ROAD
 SUITE 201
 CARY, N.C. 27511
 PHONE (919) 481-1245
 FAX (919) 481-1213

DATE: 3-26-07

SCALE: 1"=60'

D#: 038937

P#: 0072251

CURVE TABLE

CURVE	DELTA	RADIUS	ARC	CHORD	TANGENT	CHORD BRG
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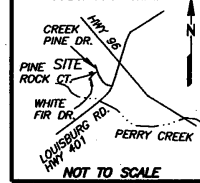
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Signature of Owner or Authorized Agent

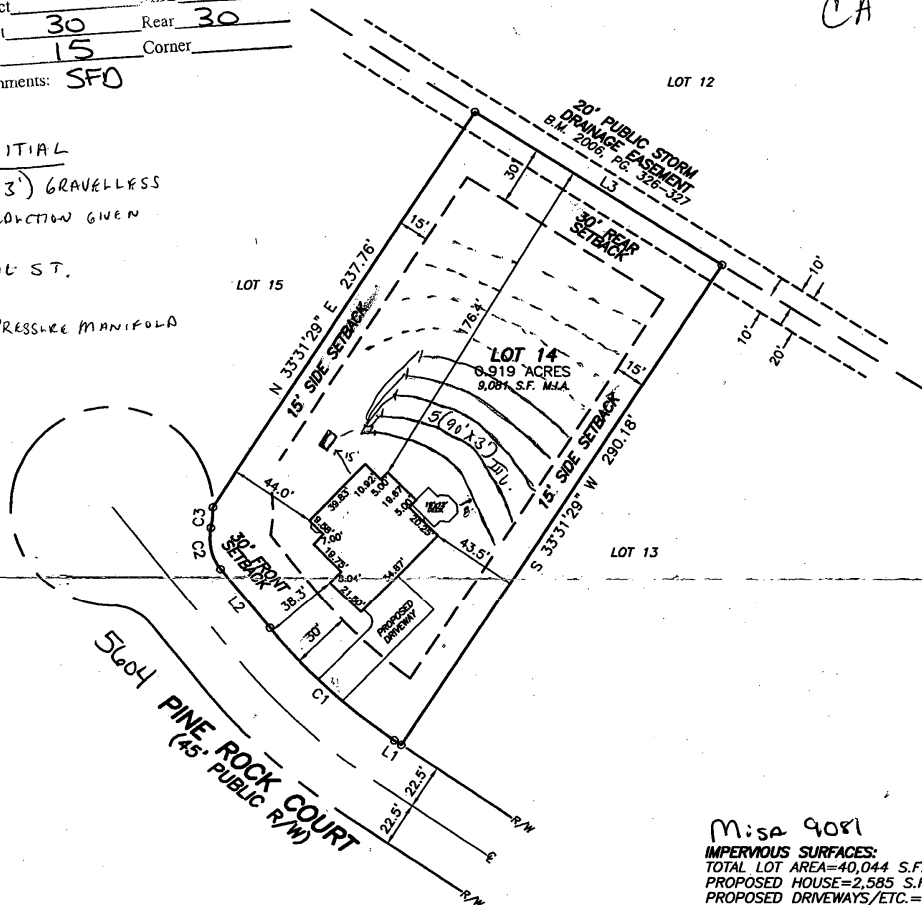
VICINITY MAP



NOT TO SCALE

Zoning R40W By CHL
 Approve ☒ Date 4-23-07
 Revise ☒ Use 101
 Reject ☐ MBL
 Front 30 Rear 30
 Side 15 Corner
 Comments: SFO

INITIAL
 5(90'x3') GRAVELLESS
 25% REDUCTION GIVEN
 19" TB
 1200 GAL ST.
 REPAIR
 III 6. PRESSURE MANIFOLD



Misa 9081

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 CORNER SIDE-30'
 SIDE-15'

LEGEND

(M.I.A.)-MAX. IMPERVIOUS AREA

Pin# 1769 02 88 5701

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 5604 PINE ROCK COURT
 WAKE COUNTY
 WAKE FOREST, N.C. 27587

0072251
 D 38937

Revised
 Attn: C. Hayes

REFERENCE: BOOK OF MAPS 2007 PAGE 655-656

PROPERTY OF
 THE DREES COMPANY



GRAPHIC SCALE

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 THIS _____ DAY OF _____
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 RIGHT SIDE ENTRY

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 LAND SURVEYING

1330 SE MAYNARD ROAD
 SUITE 201
 CARY, N.C. 27511
 PHONE (919) 481-1245
 FAX (919) 481-1213

DATE: 3-26-07

SCALE: 1"=60'

**WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
PRESSURE MANIFOLD DESIGN**

Name:		P.I.N. #:		D#:	
Address:		Subdiv:		Lot#:	
# of BDR:	Daily Flow:	<u>480</u>	gal/day	L.T.A.R.:	<u>0.27</u> gal/day/sq.ft
Septic Tank:	gals	Pump Tank:	gals	Sq. Foot:	<u>1560</u> Stone Depth:
Number of Taps:	Length of Trenches:		<u>520</u>	ft(See Tap Chart for Details)	
Depth of Trenches:	in		Manifold Length:	<u>18</u>	in
Manifold Diameter:	<u>4in sch 80pvc</u>		Tap Configuration:	6 in spacing	side(s) of manifold
Supply Line: length:	<u>0</u>	ft	Diameter:	<u>2</u>	in sch 40pvc
Friction Loss + Fitting Loss:	<u>1.32</u>		ft(supply line length + 70' for fittings in pump tank)		
Design Head:	<u>2</u>	ft	Elevation Head:	<u>6.00</u>	ft
Total Head:	<u>9.32</u>	ft	Pump to Deliver:	<u>28.44</u>	gals/min at <u>9.32</u> ft head
Dosing Volume:	<u>0</u>	gals,			
Drawdown:	0	gals divided by	0	gals/in =	#DIV/0! inches

Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter, or equal is required.

Possible pumps:	Hydromatic:	Goulds:	Myers:
Zoeller:		Other:	

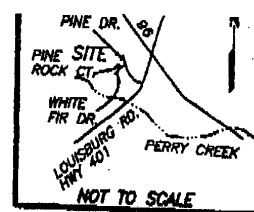
TAP CHART

Bench Mark		is = 100.00	set at	Design Head:				2	
Pump tank elev.			100.00	Pump elev.	95.00	Manifold elev.		101.00	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1			100.00	140	1/2in SCH 40	7.11	120.00	420	0.286
2			100.00	130	1/2in SCH 40	7.11	120.00	390	0.308
3			100.00	110	1/2in SCH 40	7.11	120.00	330	0.364
4			100.00	70	ERROR	3.555	60.00	210	0.286
5			100.00	70	ERROR	3.555	60.00	210	0.286
6			100.00		NA		0.00	0	#DIV/0!
7			100.00		NA		0.00	0	#DIV/0!
8			100.00		NA		0.00	0	#DIV/0!
		total	feet =	520	gal/min =	28.44		LTAR =	0.27
% of Dose Vol.				Des. Flow	480			(ltar + 5%)	0.28
Dose Volume		0		Pump Run=	16.88			(ltar W/ INOV)	0.36
Dose Pump Time		0.00		Tank Gal/IN				(ltar + 5%)	0.38
Drawdown in Inches		#DIV/0!		Elev. Head	6.00				
Supply Line Length									
Comments:									

2008-05-13 20:36		MIKE HAKKINS		40/0005/00 >>		5194490204
C1	17'25'51"	277.50'	84.42'	84.10'	42.54'	N 47'45'36" W
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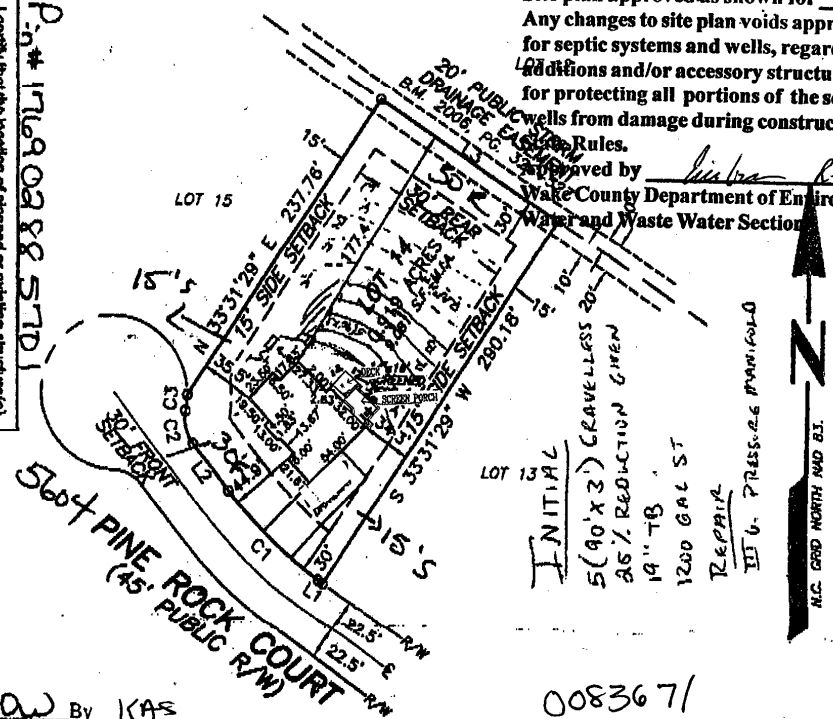
W-4292



I certify that the location of planned or existing structures are accurately shown; I understand failure to locate structures in accordance with this plot plan may require the relocation of structure(s) regardless degree of completion. I hereby grant permission to Wake County Representatives the right of entry to make measurements and/or excavations on this property.

P.N. # 1716908885701

Site plan approved as shown for Deck + Screen Pool. Any changes to site plan voids approval. All setbacks apply for septic systems and wells, regarding any pools, decks, additions and/or accessory structures. Applicant is responsible for protecting all portions of the septic system, repair area and wells from damage during construction. Adhere to all Local and State Rules.
 Approved by [Signature] Date 5-28-06
 Wake County Department of Environmental Services,
 Water and Waste Water Section



Zoning R40W By KAS
 Approve ✓ Date 5-28-08
 Revise Use 434D
 Reject MBL 101
 Front 30 Rear 30
 Side 15 Corner
 Comments:

0083671

IMPERVIOUS SURFACES: SCREEN POOL
 TOTAL LOT AREA=40,044 S.F. 240 Sq Ft
 HOUSE=3,329 S.F.
 DRIVEWAYS/ETC.=1,902 S.F.
 TOTAL IMPERVIOUS AREA=5,471
 IMPERVIOUS AREA 13% NIS# 9081

SETBACKS
 FRONT-30'
 REAR-30'
 CORNER SIDE-30'
 SIDE-15'
 LEGEND
 (M.I.A.)-MAX. IMPERVIOUS AREA

NOTES:
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LOT 14 THE LAKES OF ROLESVILLE
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 WAKE COUNTY
 WAKE FOREST, N.C. 27587

PROPERTY OF
THE DREES COMPANY



REFERENCE: BOOK OF MAPS 2006 PAGE 1735-1736

GRAPHIC SCALE FILE: L1LOT14PP

I, STUART E. PLANTE III
 CERTIFY THAT THIS MAP IS THE RESULT OF A FIELD SURVEY MADE UNDER MY SUPERVISION, AND THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES, WITNESS MY HAND AND SEAL THIS DAY OF A.D., 2006.

HARTWICKE
 ELEV. E
 FAMILY ROOM
 BREAKFAST ROOM
 3 CAR GARAGE
 RIGHT SIDE ENTRY

ROBINSON & PLANTE PC
 LAND SURVEYING
 1330 SE MAYNARD ROAD
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 PHONE (919) 481-1245
 FAX (919) 481-1213

LAND SURVEYOR L-4432

DATE: 11-29-06 SCALE: 1"=100'