

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER PERMIT

NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION AUTHORIZATION HAS BEEN ISSUED

PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/OR IF SITE IS ALTERED OR INTENDED USE CHANGED

OPERATIONS PERMIT

PERMIT # D059784 **APPLICATION DATE:** 05/08/2018 **BLDG. PERMIT#:** 0183875

PIN: 1832754492 **RECORDED:** Yes

TOWNSHIP: 19 - Wake Forest **JURISDICTION:** Wake County **ZONING:** R40W

APPLICANT:

BUSINESS PHONE:

HOME PHONE:

MOBILE PHONE:

HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE **EXISTING USE:**

SITE ADDRESS: 08624 KIMILLIE CT

SUBDIVISION: JACKSON MANOR **LOT:** 16 **ACRES:** 0.77

DIRECTIONS:

Systems defined as either type III-b, III-g with a pump, IV, V or VI, in accordance with the North Carolina administrative code 15A NCAC 18a .1961, table V as adopted by reference in the "Regulations Governing Wastewater Treatment Dispersal Systems in Wake County", requires Wake County Environmental Services to conduct periodic inspections of the system type pursuant to 15A NCAC 18a. 1961 (j). Fees for these inspections will be charged as per the approved Fee Schedule. In addition, all systems are to be operated and maintained as specified in 15A NCAC 18A .1961. This permit is based in part on information provided by the homeowner and/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/her 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.

OPERATION PERMIT VALID FOR: No Expiration

INSTALLED BY: FAISON, EDWARD - 4530 - IV

PROPRIETARY SYSTEM: EZ1203HG - EZFlow EZ 1203H Geo **PRETREATMENT SYSTEM:**

SYSTEM TYPE INSTALLED: III B

OPERATION PERMIT: **STATUS:** Issued

ISSUED BY: Marlena Brown

ISSUED DATE: 03/18/2019

SEPTIC TANK: Erader Mills - STB-857 - 1200 gallons

DATE OF MANUFACTURE: 12/14/2018 **FILTER:** Polylok - PL-68

GREASE TRAP:

DATE OF MANUFACTURE: **FILTER:**

DOSING PUMP TANK: Erader Mills - PT-170 - 1200 gal - 19.62 gal/in

DATE OF MANUFACTURE: 12/07/2018 **FILTER:**

CC1: 13 **ETM1:** 13

CC2: **ETM2:**

RECIRCULATION TANK:

DATE OF MANUFACTURE:

CC1: **ETM1:**

CC2: **ETM2:**

SEPTIC TANK ELEVATION: 8.00

GREASE TRAP ELEVATION:

DOSING PUMP TANK ELEVATION: 8.50

RECIRCULATION TANK ELEVATION:

DISTRIBUTION DEVICE ELEVATION:

INSTALLED TRENCH DEPTH	INSTALLED AGGREGATE DEPTH	INSTALLED TRENCH LENGTH	INSTALLED TRENCH BOTTOM ELEVATION
23	12	100	6.08
23	12	100	7.08
23	12	100	7.88
23	12	100	8.85

ACTUAL PRESSURE HEAD: 2

ACTUAL FLOW RATE: 27

ACTUAL DOSE VOLUME:

SPECIFIC OPERATION REQUIREMENTS:

4 bedroom/480 gpd

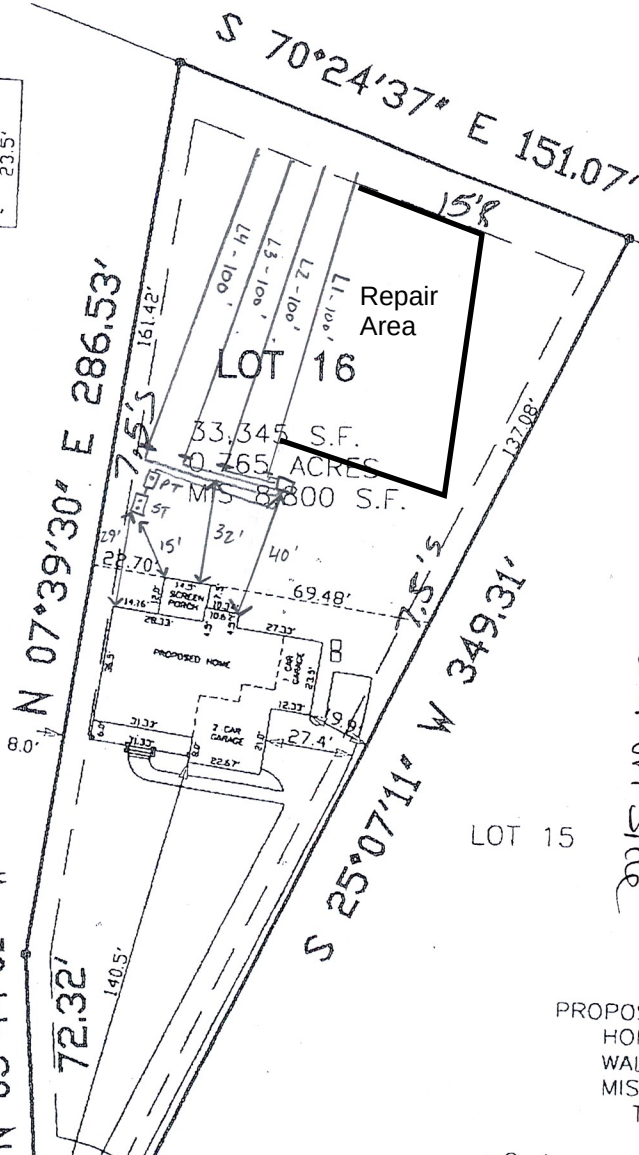
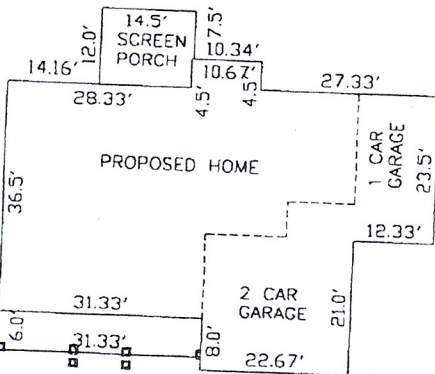
ISSUED BY:



DATE: 03/18/2019

As Built

PROPERTY IS _____ IS NOT _____ LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED ON FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) FLOOD INSURANCE RATE MAP NUMBER _____ ZONE _____



Zoning R400
Approved X
By KAS
Date 5-8-18
Revised
Reject
Front 15
Side 7.5
Rear 15
Comments: SFD Cluster - no room for error on side

PROPOSED IMPERVIOUS AREAS
HOME 2,878 S.F.
WALK & DR 2,761 S.F.
MIS 50 S.F.
TOTAL 5,689 S.F.

C-1
R=50.0'
L=30.0'
N 68°36'01" W 29.55'

R-40W CLUSTER
SETBACKS
FRONT 15'
REAR 15'
SIDE 7.5'

SETBACK SURVEY REQUIRED

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 of inspections upon this property.

Signature of Owner or Authorized Agent

0183875
D059784

SUBDIVISION MAP
"CLUSTER SUBDIVISION"

JACKSON MANOR SUBDIVISION

REVISED 3/28/18 CHANGED HOUSES

LOT 16 BLOCK

RECORDED IN BOOK OF MAPS 2017, PAGE 239 WAKE COUNTY, N. C.

PRELIMINARY PLAT, NOT FOR RECORDATION, CONVEYANCE OR SALE

BUILDER TO VERIFY HOUSE DIMENSIONS

I, JOHN Y. PHELPS, JR. HEREBY CERTIFY THAT THIS MAP IS CORRECT AND THAT THE BUILDINGS LIE WHOLLY ON THE LOT AND THAT THERE ARE NO ENCROACHMENTS OF OTHER BUILDINGS ON SAID LOT UNLESS SHOWN OTHERWISE. THIS MAP IS NOT FOR RECORDATION.

PLOT PLAN

CAMBRIDGE CLASSIC HOMES

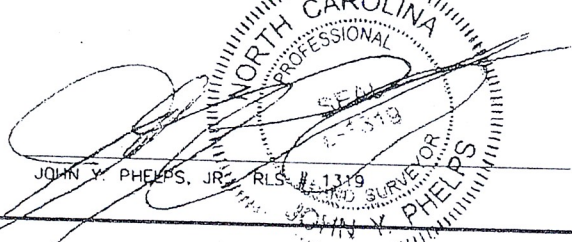
8624 KIMILLIE COURT
WAKE FOREST TOWNSHIP, WAKE CO. N.C.

SCALE 1"=60'

DATE 10/31/17

JM-16

JOHN Y. PHELPS, JR.
PROFESSIONAL LAND SURVEYOR
5110 BUR OAK CIRCLE
RALEIGH, NORTH CAROLINA, 27612 (919) 787-3658



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#: D059784 STATUS: A APP. DATE: 05/08/2018 BLDG. PERMIT#: 0183875
PIN: 1832 75 4492 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 19 WAKE FOREST JURISDICTION: WC ZONING: R40W SW DEVICE: N S#:
APPLICANT: CAMBRIDGE CLASSIC HOMES (919) 562 - 5751
2519 VILLAGE MANOR WAY RALEIGH, NC 27614
HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE: DESIGN FEE REQ?: PAID?:
LTAR: 0.30 0.30 BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0 FOUNDATION DRAIN: Y
SITE: ADDRESS: 8624 KIMILLIE CT
SUBDIVISION: JACKSON MANOR LOT: 16 ACRES: 0.77 EASEMENT: N LOC: SYS:
DIRECTION: CAPITAL BLVD N TO PURNELL TO JACKSON TO JACKSONMANOR

IMPROVEMENT PERMIT

[] As per GS 130A-335 (f), Improvement Permit is based on a Site Plan and is void Sixty (60) months from date of issuance.

[X] As per GS 130A-335 (f), Improvement Permit is based on a Plat and is valid without expiration.

Permit is subject to revocation if the site plan or plat,
whichever is applicable, or the intended use changes.

*Maximum depth of line is calculated using the downhill
*side of the trench and includes slope correction.

TANK SIZE: 1200 gal. PUMP Tank: 1200 gal. GREASE TRAP: gal. SQ FT: 1200 ACCEPTED STATUS MAX DEPTH LINE: 23 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III B PUMP: Y P/M: N
DAILY FLOW: 480 gal/day WATER: COMMUNITY PRETREATMENT: NA

COMMENTS:

IP ISSUED? Y DATE: 05/30/2018 BY: (CAS) *Cory A. St.* PHONE#: (919)-614-7175

**AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION
VALIDITY CONCURRENT WITH THE IMPROVEMENT PERMIT**

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. Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

OTHER CONDITIONS: SYSTEM IS ACCEPTED STATUS. SYSTEM IS PUMP TO MANITTEE FEEDING (4)100'X3' LINES. SYSTEM MUST MEET ALL SETBACKS AND SHOULD BE INSTALLED ON CONTOUR. MINIMUM SIZE FOR SEPTIC AND PUMP TANKS IS 1200 GALLONS. TRENCHES SHOULD BE A DEPTH OF 23". CALL PRIOR TO INSTALLATION WITH ANY QUESTIONS.

TANK SIZE: 1200 gal. PUMP TANK: 1200 gal. GREASE TRAP: gal. SQ FT: 1200 ACCEPTED STATUS MAX DEPTH LINE: 23 in.
MAINT: N OPER: N L/O: Y TRENCH#: 4 LENGTH: 100 ft. WIDTH: 36 in. DESIGNER: CCSC
SUBFIELDS: __ DESIGN HEAD PRESSURE: 2 DESIGN FLOW: 28.44 gal/rpm DOSE VOLUME: 195 gal. PRETREATMENT: NA

CA ISSUED? Y DATE: 05/30/2018 BY: (CAS) *Cory A. St.* PHONE#: (919)-614-7175 *CUH 5/30/18*

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APPLICANT: CAMBRIDGE CLASSIC HOMES (919) 562 - 5751
2519 VILLAGE MANOR WAY RALEIGH, NC 27614
USE: HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE:
LTAR: 0.30 0.30 BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0
SITE: ADDRESS: 8624 KIMILLIE CT
SUBDIVISION: JACKSON MANOR LOT: 16 ACRES: 0.77 EASEMENT: N LOC: SYS:
DIRECTION: CAPITAL BLVD N TO PURNELL TO JACKSON TO JACKSONMANOR

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:

Operation Permit

DESIGN FLOW: 28.44 gal./min. ACTUAL FLOW: DOSE VOLUME: 195 gal. INNOVATIVE LETTER:
INSTALLED BY: INSTALLATION APPROVED BY:
PROPRIETARY SYSTEM: TYPE SYSTEM: III B
COMMENTS:

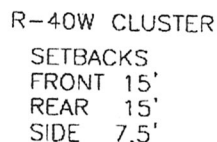
OPERATIONS PERMIT ISSUED? OP DATE: BY:

Systems defined as either a Type IIb, IIg with a pump, IV, V or VI, in accordance with the North Carolina Administrative Code 15A NCAC 18A .1961, Table V as adopted by reference in the "Regulations Governing Wastewater Treatment and Dispersal Systems in Wake County", require Wake County Environmental Services to conduct periodic inspections on this type system, pursuant to 15A NCAC 18A .1961 (j). Fees for these inspections will be charged as per the approved Fee Schedule. In addition, all systems are to be operated and maintained as specified in 15A NCAC 18A .1961. 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: Benchmark: Rod reading: Distance to Structure:
ST: gals ID#: D.O.M.: Elev.: Distance to Well:
PT: gals ID#: D.O.M.: Elev.: Distance to P/L:
GT: gals ID#: D.O.M.: Elev.: Pretreatment:
D-box/FD/PM elev.: Supply Line: ft. Pump/Ctrl Panel: Filter:
Line 1: Date: Line 6: Date:
Line 2: Date: Line 7: Date:
Line 3: Date: Line 8: Date:
Line 4: Date: Line 9: Date:
Line 5: Date: Line 10: Date:
ETM1: CCI: ETM2: CC2: OR: AC: WM:
Notes:

1. IS THIS PROPERTY LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED ON FEDERAL
 EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) FLOOD INSURANCE RATE MAP
 NUMBER _____ ZONE _____



Signature of Owner or Authorized Agent

0183875
D059784

SUBDIVISION MAP
"CLUSTER SUBDIVISION

JACKSON MANOR SUBDIVISION

REVISED 3/28/18 CHANGED HOUSES

LOT 16 BLOCK

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PLOT PLAN

CAMBRIDGE CLASSIC HOMES

8624 KIMILLIE COURT
WAKE FOREST TOWNSHIP, WAKE CO. N.C.

SCALE 1" = 60'

DATE 10/31/17

JM-16

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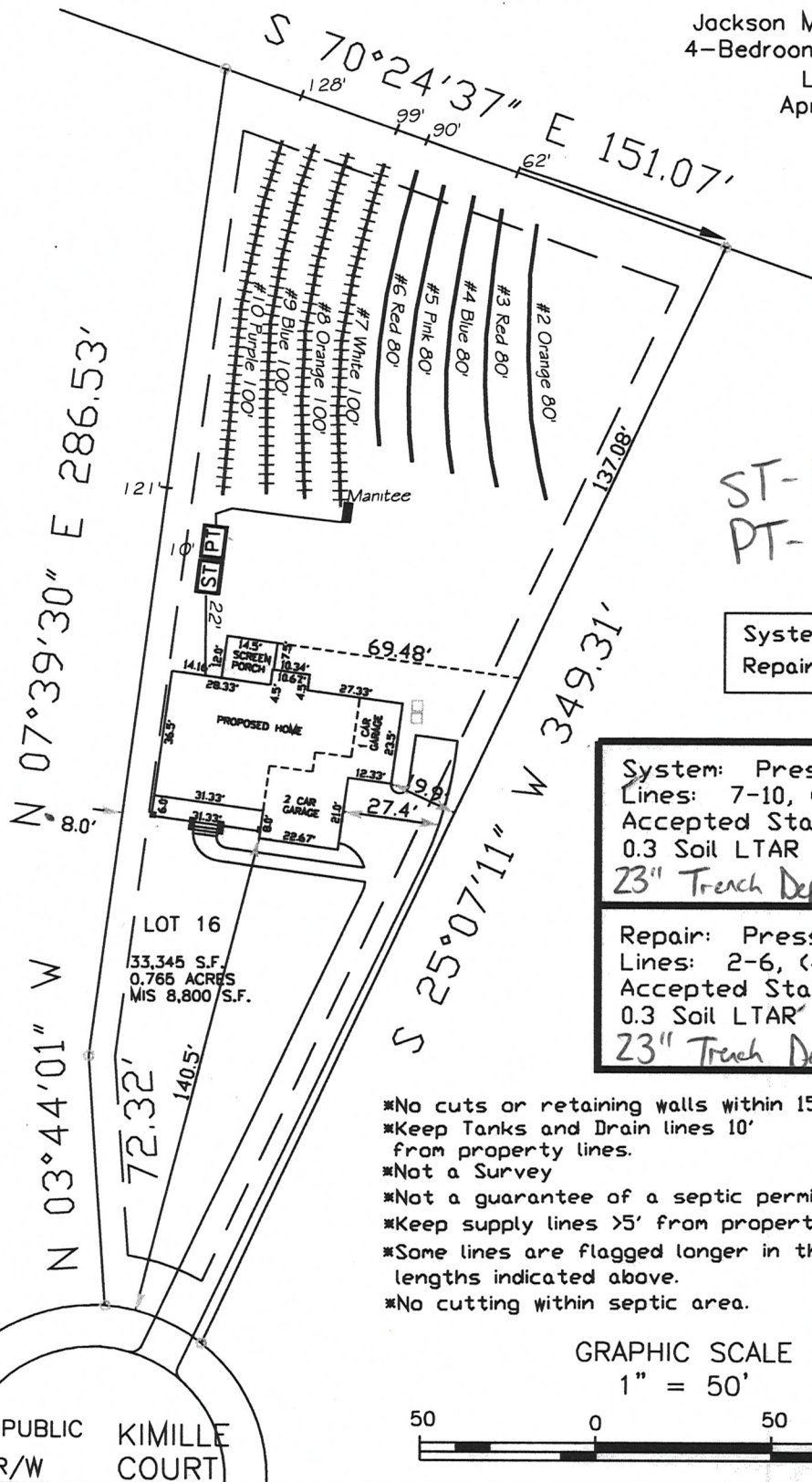
PROFESSIONAL LAND SURVEYOR

5110 BUR OAK CIRCLE

RALEIGH, NORTH CAROLINA, 27612 (919) 787-3658

CA Part B

Jackson Manor Subdivision
4-Bedroom Septic Layout
Lot 16
April 2018



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6703

4-Bedroom Septic Layout
Lot 16, Jackson Manor Subdivision
Wake County, North Carolina

Job# : 2524
Drawn By : JH
Date : 4/23/2018
Revision:

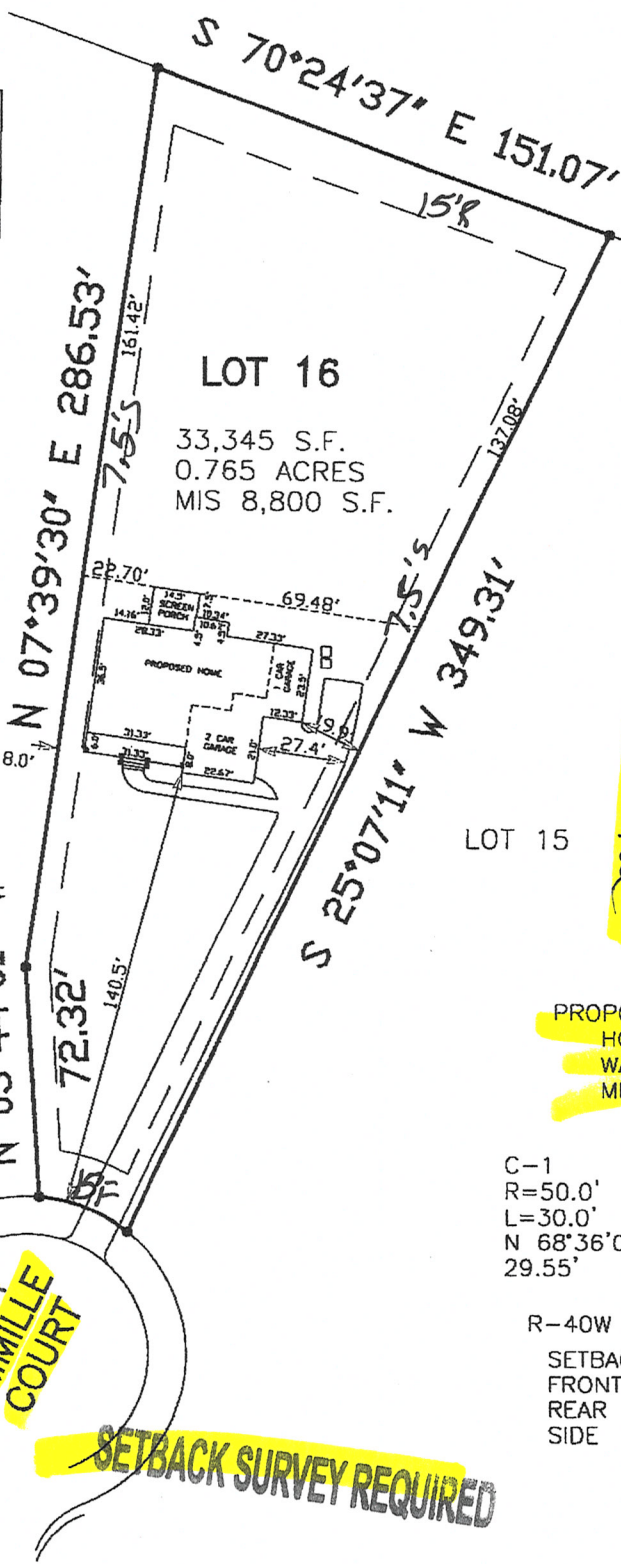
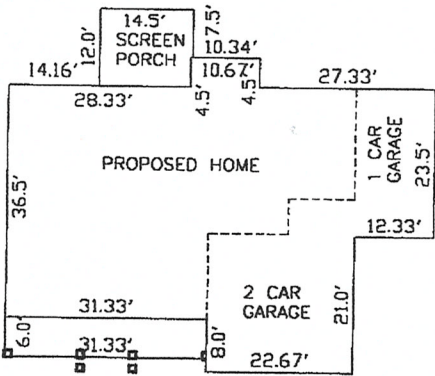
Jackson Manor
Lot 16, System

Bench Mark	0.00	is = 100.00	Location of BM		Elevation Head				8.00
Pump tank elev.		10.5	89.50	Pump elev.	84.50	Manifold elev.			92.50
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
7	White	8.50	91.50	100	1/2in SCH 40	7.11	120.00	300	0.4000
8	Orange	9.60	90.40	100	1/2in SCH 40	7.11	120.00	300	0.4000
9	Blue	10.50	89.50	100	1/2in SCH 40	7.11	120.00	300	0.4000
10	Purple	11.80	88.20	100	1/2in SCH 40	7.11	120.00	300	0.4000
		total	feet =	400	gal/min =	28.44	LTAR =		0.3000
				Des. Flow	480	LTAR + %5		0.3150	
% of Dose Vol.	75			(ltar W/ INOV)	0.4000				
Dose Volume	195.00			Pump Run=	16.88	(ltar W/ INOV + 5%)		0.4200	
Dose Pump Time	6.86			Tank Gal/IN	21				
Drawdown in Inches	9.29								

Jackson Manor
Lot 16, Repair

Bench Mark	0.00	is = 100.00	Location of BM		Elevation Head				11.50
Pump tank elev.	10	90.00	Pump elev.	85.00	Manifold elev.				96.50
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
2	Orange	4.50	95.50	80	1/2in SCH 40	7.11	96.00	240	0.4000
3	Red	5.00	95.00	80	1/2in SCH 40	7.11	96.00	240	0.4000
4	Blue	5.50	94.50	80	1/2in SCH 40	7.11	96.00	240	0.4000
5	Pink	6.60	93.40	80	1/2in SCH 40	7.11	96.00	240	0.4000
6	Red	7.40	92.60	80	1/2in SCH 40	7.11	96.00	240	0.4000
		total	feet =	400	gal/min =	35.55	LTAR =		0.3000
				Des. Flow	480	LTAR + %5		0.3150	
% of Dose Vol.	75			(ltar W/ INOV)	0.4000				
Dose Volume	195.00			Pump Run=	13.50	(ltar W/ INOV + 5%]		0.4200	
Dose Pump Time	5.49			Tank Gal/IN	21				
Drawdown in Inches	9.29								

SUBJECT PROPERTY IS _____ IS NOT _____ LOCATED IN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED ON FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) FLOOD INSURANCE RATE MAP NUMBER _____ ZONE _____



Zoning R40W
Approve X
By KAS
Date 5-8-18
Revised Use 10/18
Revised MBL
Front 15
Rear 15
Side 7.5
Corner
Comments: SFD Cluster - no room for error on side

PROPOSED IMPERVIOUS AREAS
HOME 2,878 S.F.
WALK & DR 2,761 S.F.
MIS 50 S.F.
TOTAL 5,689 S.F.

C-1
R=50.0'
L=30.0'
N 68°36'01" W
29.55'

R-40W CLUSTER
SETBACKS
FRONT 15'
REAR 15'
SIDE 7.5'

SUBDIVISION MAP
"CLUSTER SUBDIVISION"

JACKSON MANOR SUBDIVISION

REVISED 3/28/18 CHANGED HOUSES

LOT 16 BLOCK _____

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WAKE FOREST TOWNSHIP, WAKE CO. N.C.

SCALE 1"=60'

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