Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: D 0 5 1 6 9 6 PIN #: 1 6 3 9 9 5 0 0 5 0

OP DATE: 1 0 1 0 7 1 2 0 1 5

SYSTEM USE:
- [X] House
- [ ] Mobile Home
- [ ] Business
- [ ] Other

SEWAGE TYPE:
- [X] Domestic
- [ ] Industrial

PUMP/SIPHON?:
- [X] Yes
- [ ] No

PRESSURE MANIFOLD:
- [ ] Yes
- [X] No

SYSTEM TYPE:
- [ ] I
- [ ] II
- [X] III
- [ ] IV
- [ ] V
- [ ] VI
- [ ] Other

SUB TYPE:
- [ ] A
- [X] B
- [ ] C
- [ ] D
- [ ] E
- [ ] F
- [ ] G

NBR BEDROOMS:
- [ ] 1
- [ ] 2
- [X] 3
- [ ] 4
- [ ] 5
- [ ] 6
- [ ] Other

MAINT. SCHEDULE:
- [ ] Yes
- [X] No

CERT. OPERATOR
- [ ] Yes
- [X] No

GT	ST	PT	SIZE
[ ]	[ ]		750
[ ]	[ ]	[ ]	900
[ ]	[X]	[X]	1,000
[ ]	[ ]	[ ]	1,200
[ ]	[ ]	[ ]	1,500
[ ]	[ ]	[ ]	1,800
[ ]	[ ]	[ ]	2,100
[ ]	[ ]	[ ]	2,500
[ ]	[ ]	[ ]	3,000
[ ]	[ ]	[ ]	4,000
[ ]	[ ]	[ ]	5,000
[ ]	[ ]	[ ]	8,000
	[ ]	[ ]	10,000
[ ]	[ ]	[ ]	Other
[X]		[ ]	None/NA GT or PT

DRAINFIELD SIZE(SQ. FT.)

0 1 0 9 0

DRAIN TYPE:
- [ ] Stone
- [ ] EZ Flow
- [X] Infiltrator
- [ ] Biodiffuser
- [ ] Cultec
- [ ] Drip
- [ ] Hancor
- [ ] Large Dia. Pipe
- [ ] Multi-Pipe
- [ ] Other

MAX DEPTH (IN.):
- [ ] 12 in. or less
- [X] 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
- [X] 12 in. or less
- [ ] 18 in. or less
- [ ] 24 in. or less
- [ ] Other

TRENCHES:
- [X] Individual
- [ ] Bed

TRENCH WIDTH (IN.):
- [ ] 12 in. or less
- [ ] 18 in.
- [ ] 24 in.
- [X] 36 in.
- [ ] 6 ft. or less
- [ ] 9 ft. or less
- [ ] Other

CHU

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#: **D051688** STATUS: **A** APP. DATE: **08/19/2014** BLDG. PERMIT#: **0150495**
PIN: **1639 85 0050 000** TAX MAP: **0** RECORDED: **Y** ORIG. PERMIT#:
TOWNSHIP: **16 ST MARYS** JURISDICTION: **WC** ZONING: **R30** SW DEVICE: **R** S#: **S003835**
APPLICANT: **SCOTT LEE HOMES** **(919) 553 - 2085**
100 BUTTERNUT LN **CLAYTON, NC 27520**
USE: HD USE: **101A CONVENTIONAL ONE-FAMILY HOUSE** EXIST USE:
LTAR: **0.25 0.25** BEDROOMS: **3** BASEMENT: **N** #EMPLOYEES: **0**
SITE: ADDRESS: **4433 KINGSBURG CIR**
SUBDIVISION: **WHITE OAK LANDI** LOT: **51** ACRES: **1.11** EASEMENT: **N** LOC: SYS:
DIRECTION: **70E R RAYNOR L WHITE OAK L CARLEY**

Well System: WATER: **PUBLIC** - TYPE: **NEW**

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: **PUBLIC WATER**

Operation Permit

DESIGN FLOW: 28.44 gal./min. ACTUAL FLOW: 28.28 DOSE VOLUME: ____ gal. INNOVATIVE LETTER:
INSTALLED BY: Bardy Batten INSTALLATION APPROVED BY: ABallanty REHS
PROPRIETARY SYSTEM: 464 TYPE SYSTEM: **III B**

COMMENTS: **ALL ISSUES REGARDING TRI-PARTY AGREEMENT AND LETTER OF CREDIT MUST BE RESOLVED WITH WAKE COUNTY PRIOR TO OP BEING ISSUED.**

OPERATIONS PERMIT ISSUED? Y OP DATE: 10/7/15 BY: ABallanty REHS

Systems defined as either a Type IIIb, IIIg 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). 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: 9/23/15 Benchmark: ST Rod reading: 2'14½" Distance to Structure: 10A.
ST: 1000 gals ID#: MCP814 D.O.M.: 1-19-15 Elev.: 100.0' Distance to Well: N/A
PT: 1000 gals ID#: MCP 53 D.O.M.: _____ Elev.: 2'8½" Distance to P/L: 10A.
GT: _____ gals ID#: _____ D.O.M.: _____ Elev.: Treatment: _____
D-box/FD/PM elev.: 1107.5 Supply Line: 200 ft. Pump/Ctrl Panel Zoeller/Anderson Filter: Polylok Red

Line 1:	3'½"				Date: 9/23	Line 6:					Date:
Line 2:	3'½"				Date:	Line 7:					Date:
Line 3:	4'11"				Date:	Line 8:					Date:
Line 4:	5'0"				Date:	Line 9:					Date:
Line 5:					Date:	Line 10:					Date:

ETM1: _____ CC1: _____ ETM2: _____ CC2: _____ OR: _____ AC: _____ WM: _____
Notes: 104 Pump Float Reguired

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL AND SEWAGE SITE LOCATION PERMIT
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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

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APPLICANT: **SCOTT LEE HOMES** **(919) 553 - 2085**
100 BUTTERNUT LN **CLAYTON, NC 27520**
HD USE: **101A CONVENTIONAL ONE-FAMILY HOUSE** EXIST USE: DESIGN FEE REQ?: PAID?:
LTAR: **0.25 0.25** BEDROOMS: **3** BASEMENT: **N** #EMPLOYEES: **0** FOUNDATION DRAIN: **N**
SITE: ADDRESS: **4433 KINGSBURG CIR**
SUBDIVISION: **WHITE OAK LANDI** LOT: **51** ACRES: **1.11** EASEMENT: **N** LOC: SYS:
DIRECTION: **70E R RAYNOR L WHITE OAK L CARLEY**

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: ☐
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.

TANK SIZE: **1000** gal. PUMP Tank: **1000** gal. GREASE TRAP: gal. SQ FT: **1080** **ACCEPTED STATUS** MAX DEPTH LINE: **18** in.
WASTEWATER: **INDIVIDUAL** SEWAGE: **DOMESTIC** TYPE SYSTEM: **III B** PUMP **Y** P/M: **N** LP: TD:
DAILY FLOW: **360** gal/day WATER: **PUBLIC** PRETREATMENT: **NA** FILL: DAF: DEEP: REDUCE35%:

COMMENTS:

IP ISSUED? **Y** DATE: **04/24/2015** BY: (AMH) PHONE#: **(919)-422-3751**

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 SYSTEM AS SHOWN ON SITE PLAN. DO NOT GRADE OR FILL IN SYSTEM OR REPAIR AREA. CALL PRIOR TO INSTALLATION WITH ANY QUESTIONS.**

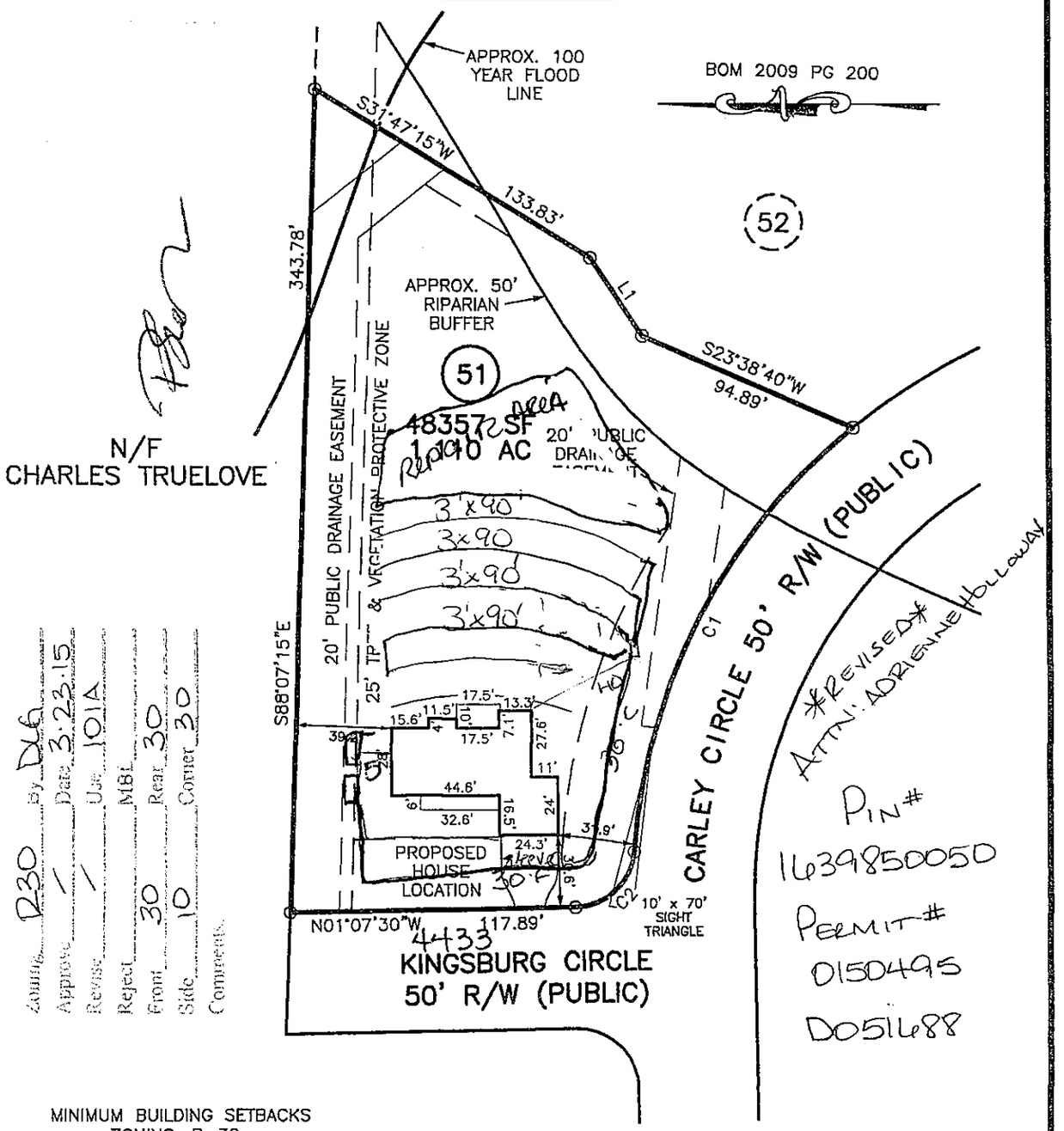
TANK SIZE: **1000** gal. PUMP TANK: **1000** gal. GREASE TRAP: gal. SQ FT: **1080** **ACCEPTED STATUS** MAX DEPTH LINE: **18** in.
MAINT: **N** OPER: **N** L/O: **P** TRENCH#: **4** LENGTH: **90** ft. WIDTH: **36** in. DESIGNER: **NEIL FLOYD**
SUBFIELDS: __ DESIGN HEAD PRESSURE: _ DESIGN FLOW: _____ gal/min DOSE VOLUME: ____ gal. PRETREATMENT: **NA**

CA ISSUED? **Y** DATE: **04/24/2015** BY: **(AMH)** PHONE#: **(919)-422-3751** 4/24/15

AS BUILT

NUMBER	RADIUS	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	255.00	205.02	N62°52'27"W	199.54
C2	25.00	36.99	N43°30'57"W	33.71

NUMBER	DIRECTION	DISTANCE
L1	S56°14'05"W	38.40'



Zoning R30 By DLG
Approve / Date 3.23.15
Revise / Use 101A
Reject MBI
Front 30 Rear 30
Side 10 Corner 30
Comments

PIN# 1639850050

PERMIT# 0150495 D051688

MINIMUM BUILDING SETBACKS
ZONING: R-30

FRONT.....30'
SIDE.....10'
REAR.....30'

NOTES:

PUBLIC WATER SYSTEM	■ YES □ NO
WELL	□ YES ■ NO
PUBLIC SEWER SYSTEM	□ YES ■ NO
HOUSE DIMENSIONS:	69' x 54.5'

DOES LOT HAVE STATE ROAD FRONTAGE? ■ YES □ NO
DOES LOT HAVE RECORDED EASEMENT? ■ YES □ NO

DRIVEWAY OR ACCESS DRIVE DRAINAGE CULVERT

TYPE AND SIZE _____

_____
STORMWATER ADMINISTRATOR SIGNATURE

IMPERVIOUS SURFACE TABLE

HOUSE	2622 SF
DRIVE & WALK	0635 SF
TOTAL	3257 SF
LOT AREA	48357 SF
PERCENTAGE OF IMPERVIOUS AREA	6.73%

PLOT PLAN
OF
LOT 51
WHITE OAK LANDING
WAKE COUNTY
FOR
SCOTT LEE HOMES

SCALE: 1" = 60'

30 0 60 120

TRUE LINE SURVEYING, P.C.

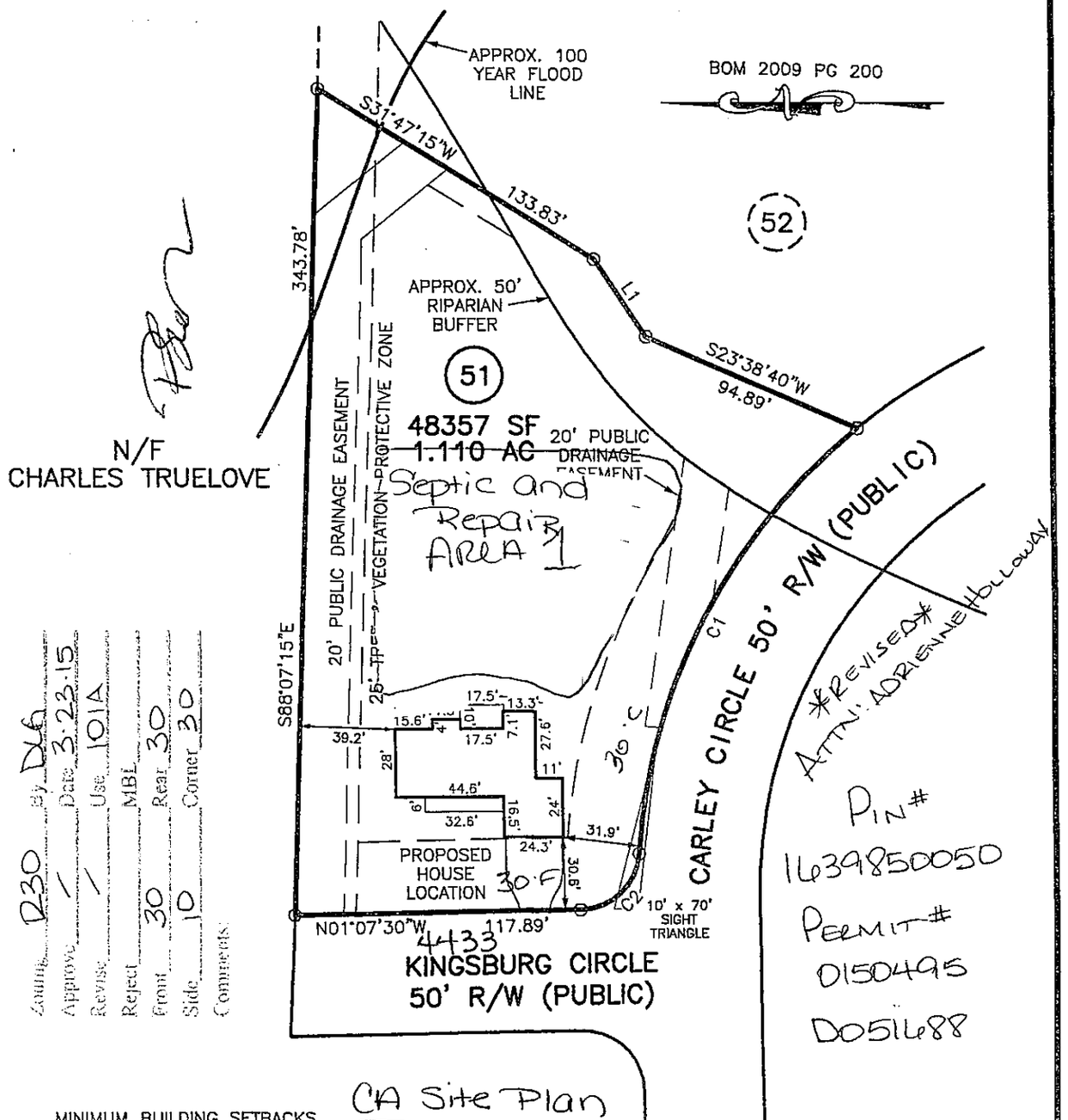
205 W. MAIN STREET
CLAYTON, N.C. 27520
TELEPHONE: (919) 359-0427
FAX: (919) 359-0428
www.truelinesurveying.com
C-1589

JOB NO:	DRAWN:	DATE:	CHECKED:
164.746	DANNY	3/13/15	CURK

CA Part A

NUMBER	RADIUS	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	255.00	205.02	N62°52'27"W	199.54
C2	25.00	36.99	N43°30'57"W	33.71

NUMBER	DIRECTION	DISTANCE
L1	S56°14'05"W	38.40'



Zoning R30 By DLG
Approved 1 Date 3.23.15
Revised 1 Use 101A
Reject MBL
Front 30 Rear 30
Side 10 Corner 30
Comments:

PIN# 1639850050

PERMIT# 0150495 D051688

CA Site Plan

4x90x3 Accepted Status System

MINIMUM BUILDING SETBACKS
ZONING: R-30

FRONT.....30'
SIDE.....10'
REAR.....30'

Pump to Manitee (25% reduction already taken)

Pressure Manifold Repair (See CA Part B for layout)

NOTES:

PUBLIC WATER SYSTEM	■ YES	□ NO
WELL	□ YES	■ NO
PUBLIC SEWER SYSTEM	□ YES	■ NO
HOUSE DIMENSIONS:	69' x 54.5'	

DOES LOT HAVE STATE ROAD FRONTAGE? ■ YES □ NO
DOES LOT HAVE RECORDED EASEMENT? ■ YES □ NO

DRIVEWAY OR ACCESS DRIVE DRAINAGE CULVERT

TYPE AND SIZE _____

_____
STORMWATER ADMINISTRATOR SIGNATURE

IMPERVIOUS SURFACE TABLE

HOUSE	2622 SF
DRIVE & WALK	0635 SF
TOTAL	3257 SF
LOT AREA	48357 SF
PERCENTAGE OF IMPERVIOUS AREA	6.73%

PLOT PLAN
OF
LOT 51
WHITE OAK LANDING
WAKE COUNTY
FOR
SCOTT LEE HOMES

SCALE: 1" = 60'

30 0 60 120

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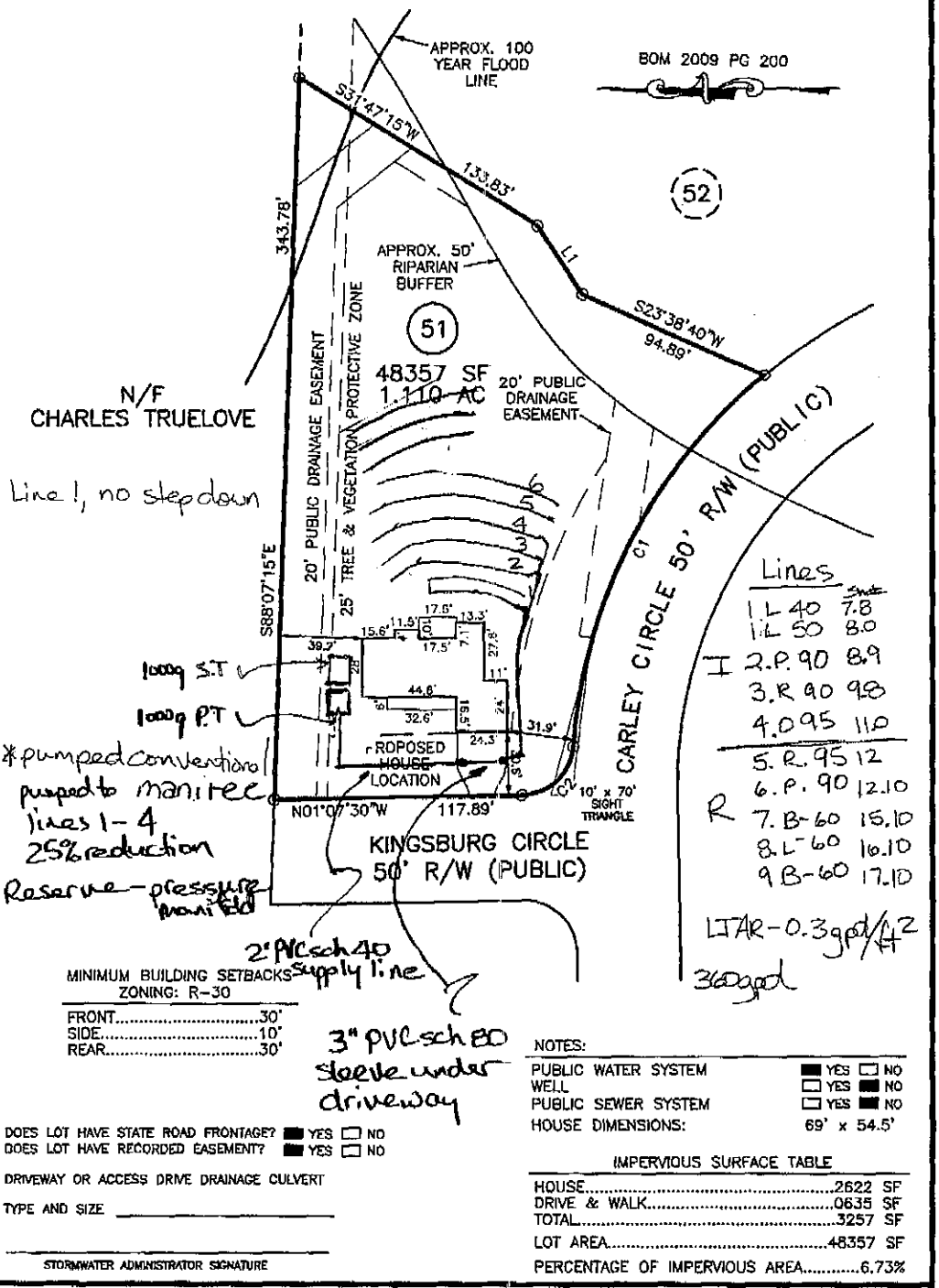
C-1589

JOB NO:	DRAWN:	DATE:	CHECKED:
164.746	DANNY	3/13/15	CURK

CA Part B

NUMBER	RADIUS	ARC LENGTH	CHORD DIRECTION	CHORD LENGTH
C1	255.00	205.02	N62°52'27"W	199.54
C2	25.00	36.99	N43°30'57"W	33.71

NUMBER	DIRECTION	DISTANCE
L1	S56°14'05"W	38.40'



MINIMUM BUILDING SETBACKS
ZONING: R-30

FRONT	30'
SIDE	10'
REAR	30'

DOES LOT HAVE STATE ROAD FRONTAGE? ■ YES ☐ NO
DOES LOT HAVE RECORDED EASEMENT? ■ YES ☐ NO

DRIVEWAY OR ACCESS DRIVE DRAINAGE CULVERT

TYPE AND SIZE _____

_____
STORMWATER ADMINISTRATOR SIGNATURE

NOTES:

PUBLIC WATER SYSTEM	■ YES ☐ NO
WELL	☐ YES ■ NO
PUBLIC SEWER SYSTEM	☐ YES ■ NO
HOUSE DIMENSIONS:	69' x 54.5'

IMPERVIOUS SURFACE TABLE

HOUSE	2622 SF
DRIVE & WALK	0635 SF
TOTAL	3257 SF
LOT AREA	48357 SF
PERCENTAGE OF IMPERVIOUS AREA	6.73%

PLOT PLAN
OF
LOT 51
WHITE OAK LANDING
WAKE COUNTY
FOR
SCOTT LEE HOMES

SCALE: 1" = 60'
30 0 60 120

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C-1589

JOB NO:	DRAWN:	DATE:	CHECKED:
164.746	DANNY	3/13/15	CURK

CA Part C

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
4 TAP PRESSURE MANI-TEE DESIGN

Name: Scott Lee Homes **P.I.N. #:** 1639 85 0050 **D#:** 51688

Address: 4433 Kingsburg Circle **Subdiv:** White Oak Landing **Lot#:** 51

# of BDR: 3 **Daily Flow:** 360 gal/day **L.T.A.R.:** 0.25 gal/day/sq.ft

Septic Tank: 1000 gals **Pump Tank:** 1000 gals **Sq. Foot:** 1080 **Stone Depth:**

Number of Taps: 4 **Length of Trenches:** 360 ft(See Tap Chart for Details)

Depth of Trenches: 18 in **Manifold Length:** 42 in

Manifold Diameter: 2in sch 40pvc Mani-Tee **Tap Configuration: 6 in spacing** 1 **side(s) of manifold**

Supply Line: length: 0 ft **Diameter:** 2 in sch 40pvc

Friction Loss + Fitting Loss: 1.32 ft(supply line length + 70' for fittings in pump tank)

Design Head: 2 ft **Elevation Head:** -1.80 ft

Total Head: 1.52 ft **Pump to Deliver:** 28.44 gals/min at 1.52 ft head

Dosing Volume: 176 gals,

Drawdown: 176 gals divided by 20 gals/in = 8.8 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 is required.

TAP CHART

Bench Mark		is = 100.00	set at				Design Head:	2	
Pump tank elev.			100.00	Pump elev.	95.00		Manifold elev.	93.20	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	lime	7.8	92.20	90	1/2in SCH 40	7.11	90.00	270	0.333
2	pink	8.9	91.10	90	1/2in SCH 40	7.11	90.00	270	0.333
3	red	9.8	90.20	90	1/2in SCH 40	7.11	90.00	270	0.333
4	orange	11.0	89.00	90	1/2in SCH 40	7.11	90.00	270	0.333
		total	feet =	360	gal/min =	28.44		LTAR =	0.25
% of Dose Vol.		75		Des. Flow	360			(ltar + 5%)	0.26
Dose Volume		176		Pump Run=	12.66			(ltar W/ INOV)	0.33
Dose Pump Time		6.17		Tank Gal/IN	20			(ltar + 5%)	0.35
Drawdown in Inches		8.8		Elev. Head	-1.80				
Supply Line Length									

Comments:

Hydraulic Profile

Manifold Elevation	93.20	0
Pump tank elev.	100.00	2
Pump elev.	95.00	0