

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

- | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|
| ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ |
| ☐ | ☒ | ☒ |
| ☐ | ☐ | ☐ |
| ☐ | ☐ | ☐ |
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| ☐ | ☐ | ☐ |
| ☒ | ☐ | ☐ |

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#: D047396 STATUS: A APP. DATE: 03/23/2012 BLDG. PERMIT#: 0121868
 PIN: 1772.02 86 0367 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
 TOWNSHIP: 10 MARKS CREEK JURISDICTION: WC ZONING: R30 SW DEVICE: N S#:
 APPLICANT: CREEKSIDE LAND DEVELOPMENT
 7501 COVERED BRIDGE RD
 WENDELL, NC 27591
 (919) 889 - 8922
 USE: HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE
 EXIST USE:
 LTAR: 0.30 0.30 BEDROOMS: 3 BASEMENT: N #EMPLOYEES: 0
 SITE: ADDRESS: 7221 BEAU VIEW DR
 SUBDIVISION: VINEYARDS@TUSCA LOT: 45 ACRES: 1.10 EASEMENT: N LOC: SYS:
 DIRECTION: FROM WENDELL EAGLE ROCK R HUNT VALLEY L CHESTNU
 T RIDGE R BEAU VIEW

Well System: WATER: INDIVIDUAL TYPE: NEW

WELL LOG INFORMATION: DEPTH: 185 CASING DEPTH: 92.5 YIELD: 2 STATIC LEVEL: 30
 WELL CONTRACTOR: NW Profile REG.# PUMP CONTRACTOR: REG.#
 Construction Compliance GROUT APPROVED ☒ DATE 7/12/12 EHS nyv
 WELLHEAD APPROVED ☐ DATE EHS
 SYSTEM FINALIZED ☐ DATE EHS

COMMENTS: WELL SHOULD BE INSTALLED 50 FEET FROM HOUSE, 52 FEET FROM LEFT SIDE OF LOT, 48 FEET FROM RIGHT SIDE OF LOT, AND 87 FEET FROM FRONT OF LOT. CALL PRIOR TO INSTALLATION WITH ANY QUESTIONS.

DESIGN FLOW: gal./min. ACTUAL FLOW: INNOVATIVE LETTER: Operation Permit
 INSTALLED BY: Wayne Thompson INSTALLATION APPROVED BY: Adrienne Hollaway RETHS
 PROPRIETARY SYSTEM: EE FLOW FILTER NO: Polylok
 COMMENTS:
 OPERATIONS PERMIT ISSUED? Y OP DATE: 9/4/12 BY: Adrienne Hollaway RETHS

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: 7-27-12 Benchmark: TANK Rod reading: 3'5 1/2" Distance to Structure: 1.5A-
 ST: 1000 gals ID#: M1115858 D.O.M.: Elev.: 100.0' Distance to Well:
 PT: 1000 gals ID#: M111572 D.O.M.: Elev.: 3'10"
 D-box/FD/PM elev.: Supply Line: 110 ft. Pump/Control Panel: 22000 12 hours
 Line 1: 4'5" Date: 7-27-12 Line 6: Date:
 Line 2: 5'0" Date: Line 7: Date:
 Line 3: 5'11" Date: ↓ Line 8: Date:
 Line 4: Date: Line 9: Date:
 Line 5: Date: Line 10: Date:
 Distance to P/L: Notes:

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

IMPROVEMENT PERMIT

COMMENTS:

IP ISSUED? Y DATE: 06/25/2012 BY: (AMH) Unleashed [Signature] PHONE#: 422-3751

VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

AUTHORIZATION CONDITIONS:

INSTALL SYSTEM AS SHOWN ON SITE PLAN. DO NOT GRADE OR FILL IN SYSTEM OR REPAIR AREA. SYSTEM MUST BE INSTALLED 100 FEET FROM NEIGHBORING WELL. CALL PRIOR TO INSTALLATION WITH ANY QUESTIONS.

CA ISSUED? Y DATE: 06/25/2012 BY: (AMH) *Deeana Polanco* PHONE#: 422-3751

14D 6-25-72

AS BUILT



ALSEY J. GILBERT PLS
112 NORTH CHURCH ST.
CLAYTON NC 27520
PHONE 919/553-5104
FAX:919/553-3663

LEGEND:
EIP.....EXISTING IRON PIPE
IPS.....IRON PIPE SET
EIS.....EXISTING IRON STAKE
ISS.....IRON STAKE SET
R/W.....RIGHT OF WAY
PK.....PARKER KALON NAIL
ECM.....EXISTING CONC MONUMENT
CMS.....CONCRETE MONUMENT SET

AREA BY COORDINATE METHOD
TITLE BY LAWYER
PROPERTY SUBJECT TO EASEMENT OF RECORD

FILE NAME TUSPLOTS
REF. BOM 2008 PG
1255-1257

SURVEY FOR:
GLEN THOMPSON
LOT 45 THE VINEYARDS AT TUSCAN
MARKS CREEK TWP. WAKE CO. NC
SCALE 1"=60' DATE 8/18/2011

0 60 177282.860367

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.

Alsey J. Gilbert
Signature of Owner or Authorized Agent

IMPERVIOUS SURFACE

HOUSE CONTAINS 2500SF
FIRST FLOOR
DRIVEWAY CONTAINS 3000 SF
ALLOWED 6212 SF -MISA

Total 5500 SF



NAD 83

Zoning R30 BY KAS
Approve ☒ Date 3-23-12
Revise _____ Use 101A
Reject _____ MBL
Front 30 Rear 30
Side 10 Corner _____
Comments: SFD

THE VINEYARDS AT TUSCAN
PHASE 1
BOM 2008 PG 1255-1257

Lot 47
0.01 acres
4179.57 sq ft

Lot 46
1.01 acres
44163.19 sq ft

MAXIMUM
IMPERVIOUS
SURFACE =
6,212 SF

Lot 45
1.10 acres
47831.62 sq ft

MAXIMUM
IMPERVIOUS
SURFACE =
6,212 SF

MAXIMUM
IMPERVIOUS
SURFACE =
6,212 SF

MAXIM
IMPER
SURF/
6,212

THE VINEYARDS AT TUSCAN
PHASE 1
BOM 2008 PG 1255-1257

Lot 44
0.85 acres
36904.86 sq ft

7213

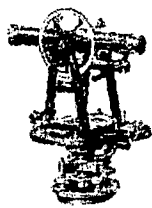
$\Delta=23^{\circ}47'19''$
 $R=475.00'$
 $L=197.21'$
 $LC=195.80'$
 $LCB=S 81^{\circ}52'06'' W$

BEAU VIEW DRIVE 50' PUBLIC R/W

CONTROL
CORNER

PRELIMINARY PLAT: NOT FOR RECORDATION, SALES
OR CONVEYANCES

CA Site Plan Part A (see CA Part B)



ALSEY J. GILBERT PLS
112 NORTH CHURCH ST.
CLAYTON NC 27520
PHONE 919/553-5104
FAX: 919/553-3663

LEGEND:
EIP.....EXISTING IRON PIPE
IPS.....IRON PIPE SET
EIS.....EXISTING IRON STAKE
ISS.....IRON STAKE SET
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FIRST FLOOR
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ALLOWED 6212 SF - MISA

Total 5500 SF



NAD 83

Comments: SFD
Side 10 Corner
Front 30 Rear 30
Reject 30
Revise 101A MBL
Approve 3-23-12 Date 3-23-12 By KAS
Zoning R30 Use 101A

THE VINEYARDS AT TUSCAN
PHASE 1
BOM 2008 PG 1255-1257

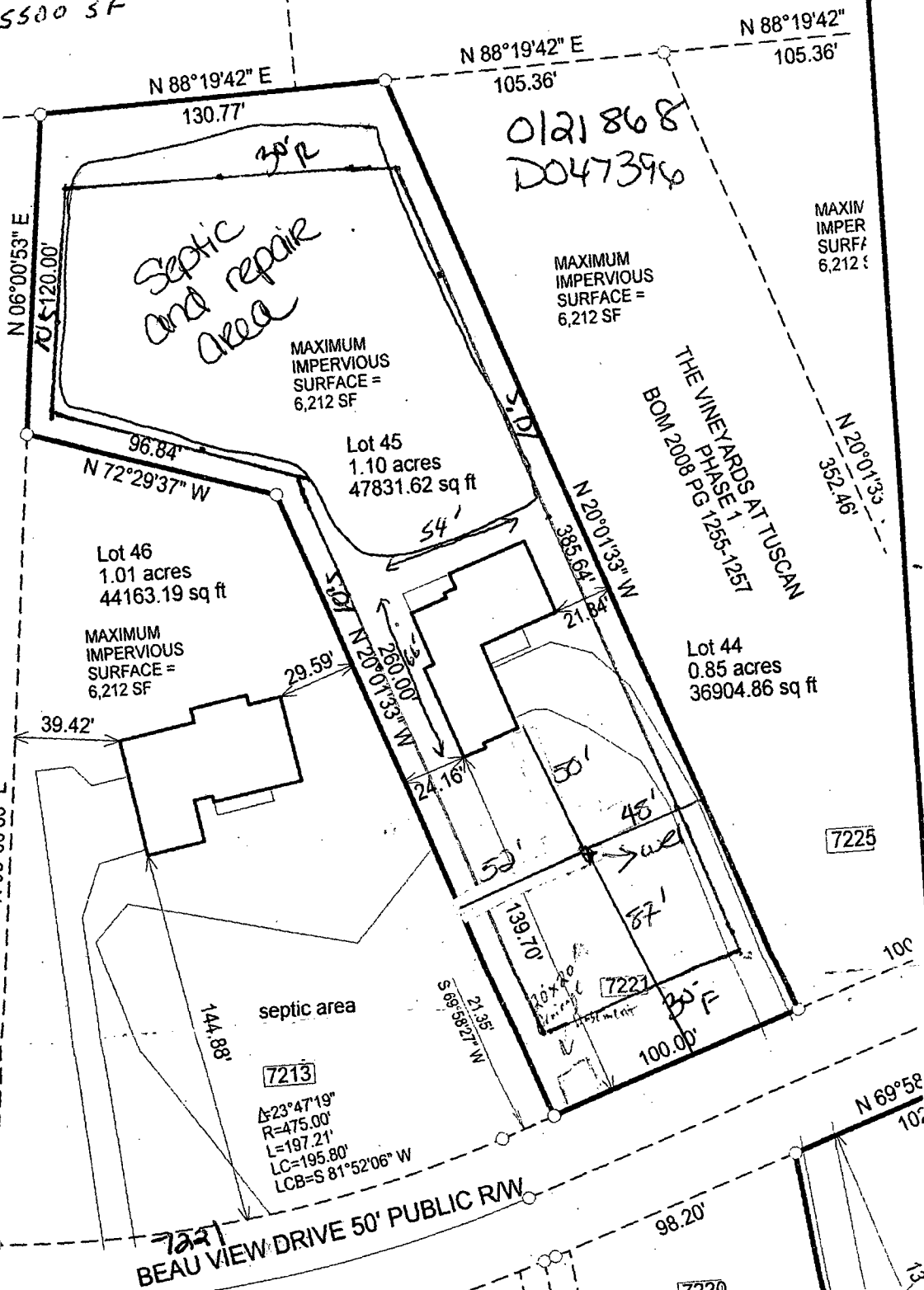
Lot 47
0.01 acres
4179.57 sq ft

CA Site Plan
Part A

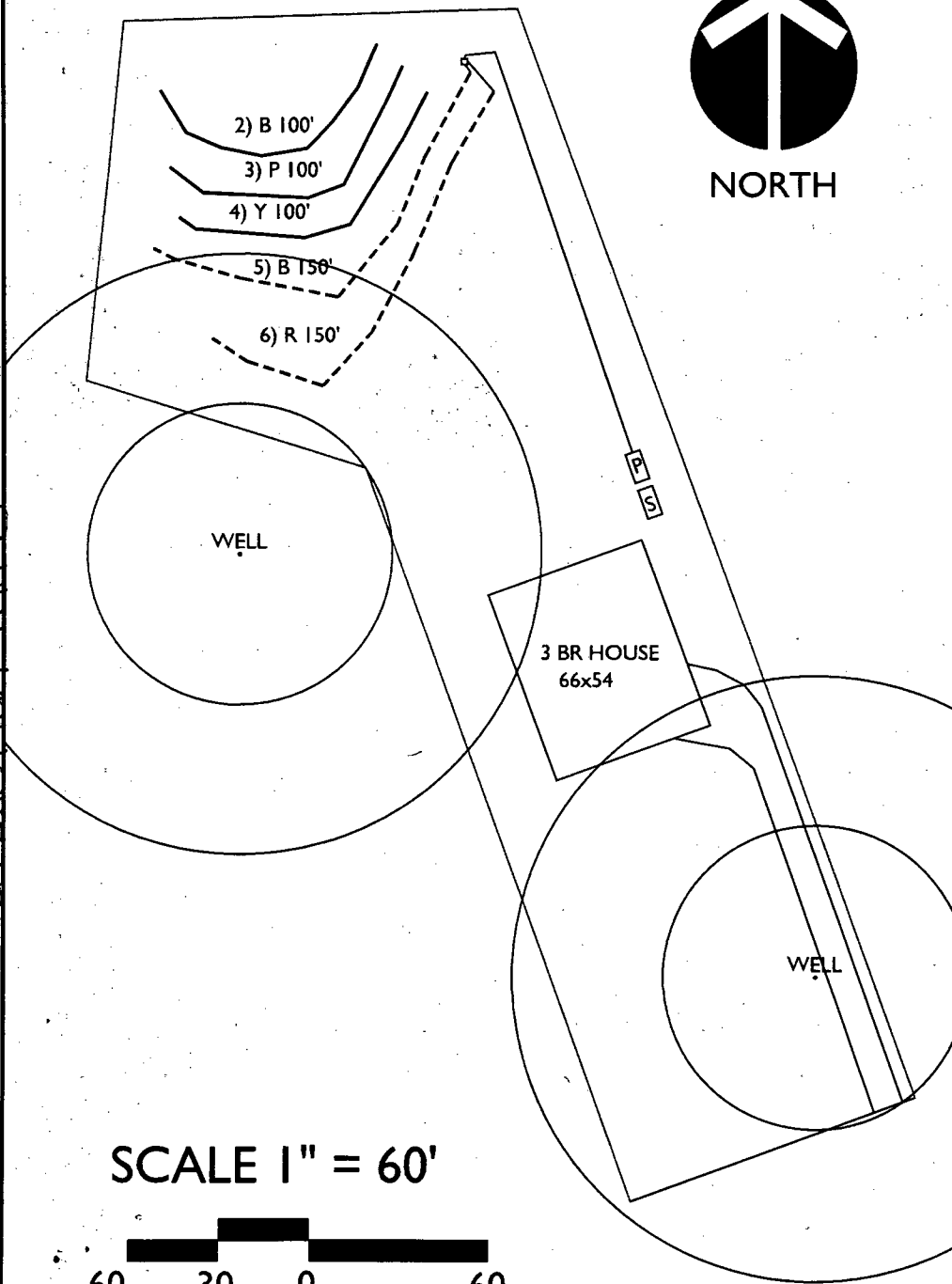
900 A2 initial
900 A2 repair
Pump to manhole
(See CA parts
B+C)
22" Trench
Depth

CONTROL
CORNER

PRELIMINARY PLAT: NOT FOR RECORDATION, SALES
OR CONVEYANCES



CA Site Plan Part B



LEGEND

- SYSTEM LINE
- - - REPAIR LINE
- PRIVATE WELL SEPTIC SYSTEM SETBACKS
(50' REPAIR & 100' INITIAL)
- [S] SEPTIC TANK
- [P] PUMP TANK

NOTES:

1) SITE DATA TO INCLUDE PROPERTY BOUNDRIES, STRUCTURE LOCATION, UTILITIES, ROADS, AND OTHER SITE FEATURES WERE PROVIDED BY WAKE COUNTY GIS AND ARE SHOWN TO DISPLAY GENERAL SITE CONDITIONS.

2) ALL SEPTIC SYSTEM COMPONENTS TO INCLUDE TANKS, PUMPS, MANIFOLDS, AND SYSTEM AND REPAIR LINES HAVE BEEN GPS LOCATED BY SOIL SERVICES, PLLC. ALL LOCATIONS, ELEVATIONS, AND DIMENSIONS ARE APPROXIMATE AND AS SUCH NO SPECIFIC ACCURACY EITHER VERTICAL OR HORIZONTAL IS IMPLIED.

3) PROPERTY AND EASEMENT BOUNDRIES SHOWN ON THIS SITE SKETCH ARE APPROXIMATE AND ARE NOT INTENDED FOR LOCATING PROPERTY OR IDENTIFYING PROPERTY OR EASEMENT CORNERS. THIS IS NOT A SURVEY.

Project No.: 1119-1	Drawn: SW	Field Work: SW	Sheet No.: 1 of 1
Project Manager: SW	Scale: 1"=60'		
SEPTIC REPAIR SITE PLAN			
VINEYARDS AT TUSCAN 45			
Client: CREEKSIDE LAND DEV.		Location: WAKE CO., NC	

SOIL SERVICES, PLLC

3220 PURNELL ROAD, WAKE FOREST, NC 27587
OFFICE: (919) 745-1928 FAX: (919) 554-1869
WWW.SOILSERVICES.ORG



CA Side Plan Part C

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES 3 TAP PRESSURE MANI-TEE DESIGN

Name: Creekside Land Development **P.I.N. #:** 1772.02 86 0367 **D#:** 47396
Address: 7221 Beau View Drive **Subdiv:** Vineyards@Tuscan Ridge **Lot#:** 45
of BDR: 3 **Daily Flow:** 360 gal/day **L.T.A.R.:** 0.30 gal/day/sq.ft
Septic Tank: 1000 gals **Pump Tank:** 1000 gals **Sq. Foot:** 900 **Stone Depth:**
Number of Taps: 3 **Length of Trenches:** 300 ft(See Tap Chart for Details)
Depth of Trenches: 22 in **Manifold Length:** 36 in
Manifold Diameter: 2in sch 40pvc Mani-Tee **Tap Configuration:** 6 in spacing 1 side(s) of manifold
Supply Line: length: 200 ft **Diameter:** 2 in sch 40pvc
Friction Loss + Fitting Loss: 3.00 ft(supply line length + 70' for fittings in pump tank)
Design Head: 2 ft **Elevation Head:** 15.00 ft
Total Head: 20.00 ft **Pump to Deliver:** 21.33 gals/min at 20.00 ft head
Dosing Volume: 137 gals,
Drawdown: 137 gals divided by 20 gals/in = 6.8 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	3.9	is = 100.00	set at rear eip				Design Head:	2	
Pump tank elev.	12.1		91.80	Pump elev.	86.80		Manifold elev.	101.80	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
2	blue	3.1	100.80	100	1/2in SCH 40	7.11	120.00	300	0.400
3	purple	3.8	100.10	100	1/2in SCH 40	7.11	120.00	300	0.400
4	yellow	4.5	99.40	100	1/2in SCH 40	7.11	120.00	300	0.400
		total	feet =	300	gal/min =	21.33		LTAR =	0.30
% of Dose Vol.	70			Des. Flow	360			(ltar + 5%)	0.32
Dose Volume	137			Pump Run=	16.88			(ltar W/ INOV)	0.40
Dose Pump Time	6.40			Tank Gal/IN	20			(ltar + 5%)	0.42
Drawdown in Inches	6.8			Elev. Head	15.00				
Supply Line Length	200								
Comments:									

Hydraulic Profile

Manifold Elevation	101.80	200
Pump tank elev.	91.80	2
Pump elev.	86.80	0



RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 3441 A

1. WELL CONTRACTOR:

London E. Phillips
Well Contractor (Individual) Name
N.W. Poole well & pump co.
Well Contractor Company Name
3500 Rolesville Rd.
Street Address
Wendell
City or Town
N.C. 27591
State Zip Code
(919) 266-9223
Area code Phone number

2. WELL INFORMATION:

WELL CONSTRUCTION PERMIT# Do 42396
OTHER ASSOCIATED PERMIT#(if applicable) _____
SITE WELL ID #(if applicable) _____

3. WELL USE (Check Applicable Box): Residential Water Supply ☒

DATE DRILLED 7-12-12
TIME COMPLETED 1:00 AM ☐ PM ☒

4. WELL LOCATION:

CITY: Wesley COUNTY: Worcester
2221 Beacon Veins Dr. Lot #5
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING: (check appropriate box)

☒ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other

LATITUDE 35° 44' 40.78" DMS OR 3x.xxxxxxxxxx DD

LONGITUDE 78-23'46.27"DMS OR 7X.XXXXXXXXXX DD

Latitude/longitude source; ☒ GPS ☐ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

6. WELL OWNER

Owner Name Crescent Lake Lodge
 Street Address 7501 Covered Bridge Rd.
 City or Town Leoti State N.C. Zip Code 27591
 Area code 919 Phone number 889-8922

6. WELL DETAILS:

- a. TOTAL DEPTH: 185
- b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒
- c. WATER LEVEL Below Top of Casing: 30 FT.
(Use "+" if Above Top of Casing)
- d. TOP OF CASING IS 1.5 FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require
a variance in accordance with 15A NCAC 2C .0118.
- e. YIELD (gpm): 2 METHOD OF TEST Blow L
- f. DISINFECTION: Type N+H Amount 1202

g. **WATER ZONES** (depth):

Top 140 Bottom 145 Top _____ Bottom _____
 Top _____ Bottom _____ Top _____ Bottom _____
 Top _____ Bottom _____ Top _____ Bottom _____

7. CASING: Depth		Diameter	Thickness/ Weight	Material
Top <u>4.5</u>	Bottom <u>92.5</u>	<u>6</u> Ft.	<u>2.50</u>	<u>PVC</u>
Top _____	Bottom _____	_____ Ft.	_____	_____
Top _____	Bottom _____	_____ Ft.	_____	_____

8. GROUT: Depth _____ Material _____ Method _____
 Top 0 Bottom 20 Ft. Partial 1 Power
 Top _____ Bottom _____ Ft. _____
 Top _____ Bottom _____ Ft. _____

9. SCREEN: Depth		Diameter	Slot Size	Material
Top _____	Bottom _____	Ft. _____ In. _____	_____ In. _____	_____
Top _____	Bottom _____	Ft. _____ In. _____	_____ In. _____	_____
Top _____	Bottom _____	Ft. _____ In. _____	_____ In. _____	_____

10. SAND/GRAVEL PACK:

	Depth	Size	Material
Top	Bottom	Ft.	
Top	Bottom	Ft.	
Top	Bottom	Ft.	

11. DRILLING LOG

[illegible]

12. REMARKS:

new hardware steel office
shoe.

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

SIGNATURE OF CERTIFIED WELL CONTRACTOR _____ DATE _____

Charles E. Phillips
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit within 30 days of completion to: Division of Water Quality – Information Processing,
1617 Mall Service Center, Raleigh, NC 27699-161. Phone: (919) 807-8300

Form GW-1a
Rev. 2/09