

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: 0051341

PIN #: 1811194886

OP DATE: 0112712015

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.)

01200

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


SLR

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#: **D051341** STATUS: **A** APP. DATE: **06/17/2014** BLDG. PERMIT#: **0143580**
PIN: **1811 19 4886 000** TAX MAP: **0** RECORDED: **Y** ORIG. PERMIT#:
TOWNSHIP: **14 NEW LIGHT** JURISDICTION: **WC** ZONING: **R80W** SW DEVICE: **N S#:**
APPLICANT: **HERITAGE STONE BUILDERS (919) 270-6201**
501 WALTERS DRIVE WAKE FOREST, NC 27587
USE: **HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE:**
LTAR: 0.30 0.30 BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0
SITE: **ADDRESS: 1708 EVERETT RIDGE CT**
SUBDIVISION: KENWOOD RESERVE LOT: 34R ACRES: 1.87 EASEMENT: N LOC: SYS:
DIRECTION: **98 R STONY HILL L BUD MORRIS L BENT R INTO S/D**

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: **COMMUNITY WATER**

Operation Permit

DESIGN FLOW: _____ gal./min. ACTUAL FLOW: _____ DOSE VOLUME: _____ gal. INNOVATIVE LETTER: _____
INSTALLED BY: Bantley + Sons INSTALLATION APPROVED BY: [Signature]
PROPRIETARY SYSTEM: EZ Flow TYPE SYSTEM: **III G**

COMMENTS:

OPERATIONS PERMIT ISSUED? ☒ OP DATE: 1/27/15 BY: [Signature]

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). 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: 1/27/15 Benchmark: _____ Rod reading: _____ Distance to Structure: 22'
ST: 1250 gals ID#: DB-398 D.O.M.: 11-14 Elev.: 3'5 1/2" Distance to Well: NA
PT: _____ gals ID#: _____ D.O.M.: _____ Elev.: _____ Distance to P/L: 11'
GT: _____ gals ID#: _____ D.O.M.: _____ Elev.: _____ Pretreatment: NA
D-box/FD/PM elev.: 7'3 3/4" Supply Line: 110 ft. Pump/Ctrl Panel: NA Filter: Sinktech
Line 1: 8'11" 8'11" 8'11" 8'11" Date: 1/27/15 Line 6: _____ Date: _____
Line 2: 9'11" 9'11" 9'11" 9'11" Date: " Line 7: _____ Date: _____
Line 3: 11'7 1/2" 11'7 1/2" 11'7 1/2" 11'7 1/2" Date: " Line 8: _____ Date: _____
Line 4: 13'1 1/2" 12'1 1/2" 13'0" 13'0" Date: 11 Line 9: _____ Date: _____
Line 5: _____ Date: _____ Line 10: _____ Date: _____
ETM1: _____ CC1: _____ ETM2: _____ CC2: _____ OR: _____ AC: _____ WM: _____
Notes: _____

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PIN: 1811 19 4886 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 14 NEW LIGHT JURISDICTION: WC ZONING: R80W SW DEVICE: N S#:
APPLICANT: HERITAGE STONE BUILDERS (919) 270 - 6201
501 WALTERS DRIVE WAKE FOREST, NC 27587
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: 1708 EVERETT RIDGE CT
SUBDIVISION: KENWOOD RESERVE LOT: 34R ACRES: 1.87 EASEMENT: N LOC: SYS:
DIRECTION: 98 R STONY HILL L BUD MORRIS L BENT R INTO S/D

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: 1200 gal. PUMP Tank: _____ gal. GREASE TRAP: _____ gal. SQ FT: 1200 INNOVATIVE MAX DEPTH LINE: 20 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III G PUMP: N P/M: N LP: TD:
DAILY FLOW: 480 gal/day WATER: COMMUNITY PRETREATMENT: NA FILL: DAF: DEEP: REDUCE35%:

COMMENTS:

IP ISSUED? Y DATE: 07/22/2014 BY: (SCR)  PHONE#: (919)-856-6194

AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION

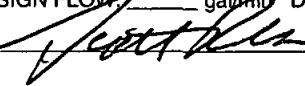
VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

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: INITIAL SYSTEM IS DESIGNED AS GRAVITY FLOW TO D-BOX TO FEED 4 100' LINES, FLAGGED OUT IN FIELD BY CONSULTANT. ACCEPTED STATUS MEDIA REQUIRED, 25% REDUCTION ALREADY TAKEN. REPAIR IS DESIGNED AS PUMP TO PRESSURE MANIFOLD WHEN NEEDED IN FUTURE. KEEP SETBACKS TO FOUNDATION DRAINS. CALL OFFICE WITH ANY QUESTIONS PRIOR TO OR DURING INSTALLATION.

TANK SIZE: 1200 gal. PUMP TANK: _____ gal. GREASE TRAP: _____ gal. SQ FT: 1200 INNOVATIVE MAX DEPTH LINE: 20 in.
MAINT: N OPER: N L/O: P TRENCH#: 4 LENGTH: 100 ft. WIDTH: 36 in. DESIGNER: _____
SUBFIELDS: _____ DESIGN HEAD PRESSURE: _____ DESIGN FLOW: _____ gal/min DOSE VOLUME: _____ gal. PRETREATMENT: NA

CA ISSUED? Y DATE: 07/22/2014 BY: (SCR)  PHONE#: (919)-856-6194

PIN
181119-4886
PERMIT#
D143580
DO51341

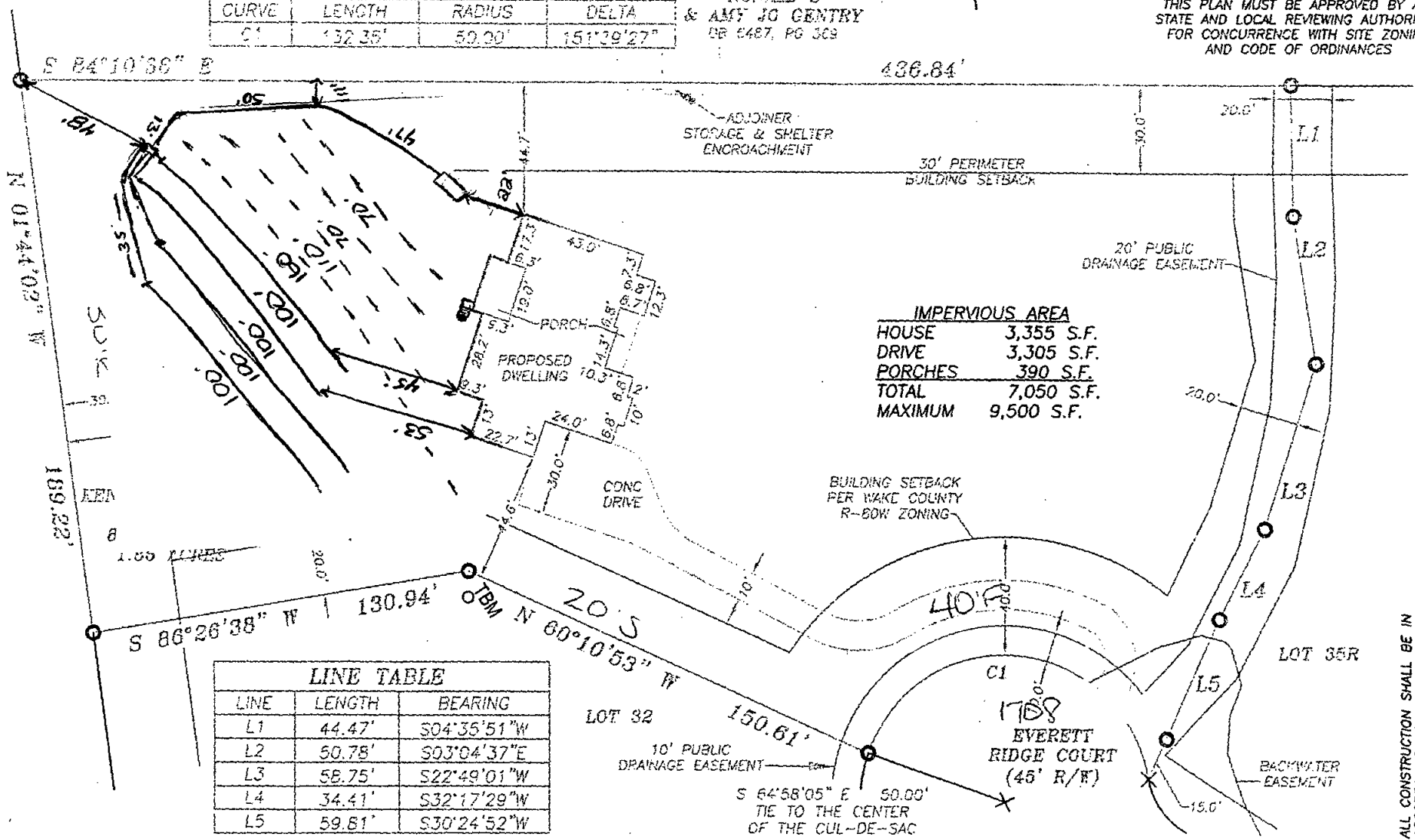
As Built Copy
1" = 50'

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	132.35'	50.00'	151°29'27"

N/F HARRISON,
RONALD S
& AMY JO GENTRY
DB 5487, PG 309

PRELIMINARY PLAT, NOT FOR
RECORDATION, CONVEYANCES, OR SALES
THIS PLAN MUST BE APPROVED BY ALL
STATE AND LOCAL REVIEWING AUTHORITIES
FOR CONCURRENCE WITH SITE ZONING
AND CODE OF ORDINANCES

N/T UNITED STATES
OF AMERICA



IMPERVIOUS AREA	
HOUSE	3,355 S.F.
DRIVE	3,305 S.F.
PORCHES	390 S.F.
TOTAL	7,050 S.F.
MAXIMUM	9,500 S.F.

LINE TABLE		
LINE	LENGTH	BEARING
L1	44.47'	S04°35'51"W
L2	50.78'	S03°04'37"E
L3	58.75'	S22°49'01"W
L4	34.41'	S32°17'29"W
L5	59.81'	S30°24'52"W

SITE PLAN

ALL CONSTRUCTION SHALL BE IN
ACCORDANCE WITH ALL WAKE COUNTY
AND NCDOT STANDARDS AND SPECIFICATIONS

C.A. Site Plans

- 4 (3'x100') lines, flagged in field
- Accepted media, required, 25% reduction taken
- 20" Max trench depth
- 1200 gal S.T.

Pin#

181119-1886

Permit#

0143580

0051341

CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	132.35'	50.00'	151°39'27"

N/F HARRISON,
RONALD S
& AMY JO GENTRY
DB 6487, PG 369

PRELIMINARY PLAT, NOT FOR
RECORDATION, CONVEYANCES, OR SALES
THIS PLAN MUST BE APPROVED BY ALL
STATE AND LOCAL REVIEWING AUTHORITIES
FOR CONCURRENCE WITH SITE ZONING
AND CODE OF ORDINANCES

—	SYSTEM LINE
- - -	REPAIR LINE
—	NO FOUNDATION DRAINS
[S]	SEPTIC TANK
[P]	PUMP TANK

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

Signature of Owner or Authorized Agent

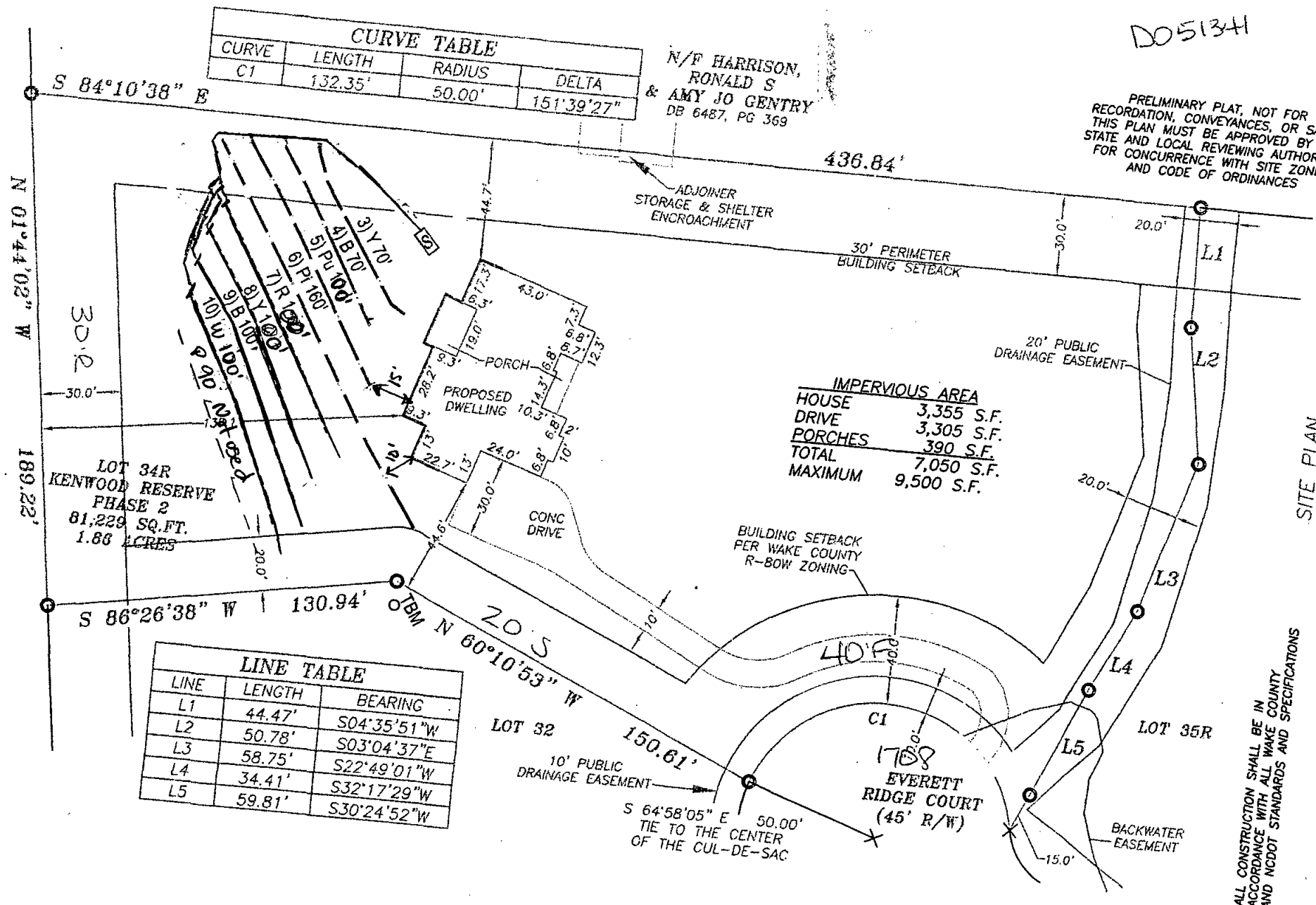
Zoning R80W By DUB
 Approve / Date 6-17-14
 Revise _____ Use 101A
 Reject _____ MBL
 Front 40 Rear 30
 Side 20 Corner _____
 Comments:

NOTES:

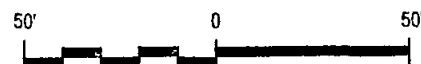
1) SITE DATA TO INCLUDE PROPERTY BOUNDRIES, STRUCTURE LOCATION, UTILITIES, ROADS, AND OTHER SITE FEATURES WERE PROVIDED BY TURNING POINT SURVEYING AND ARE SHOWN TO DISPLAY GENERAL SITE CONDITIONS.

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.



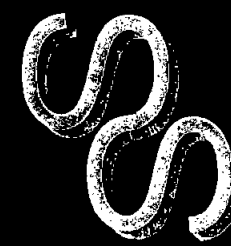
GRAPHIC SCALE
1" = 50'



Project No.: 1253-1	Drawn: SM	Field Work: SM	Sheet No.: 1 of 1
Project Manager: SM	Scale: 1"=50'	Sheet No.: 1 of 1	
SEPTIC SYSTEM SITE PLAN		KENWOOD LOT 34	
WAKE CO., NC		HERITAGE STONE	

SOIL SERVICES, PLLC

PO BOX 91115, RALEIGH, NC 27675
 OFFICE: (919) 745-1928 FAX: (919) 251-9053
 WWW.SOILSERVICES.US



**Kenwood Lot 34
Project No. 1253-1**

~~SYSTEM~~-TAP CHART

Repair

Line #	Color	Field Elev. (ft)	Length (ft)	Hole Size (in)	Flow/Tap (gpm)	gpd	Trench Area (sq ft)	Line LTAR (gpd/sq ft)
3	Yellow	102.55	70	1/2" SCH. 80	5.48	86.09	210	0.410
4	Blue	101.65	70	1/2" SCH. 80	5.48	86.09	210	0.410
5	Purple	99.15	100	1/2" SCH. 40	7.11	111.73	330	0.372
6	Pink	97.65	160	3/4" SCH. 40	12.48	196.08	480	0.409

total feet = 410 gal/min = 30.56

Des. Flow	480	gpd
Pump Run=	15.71	min
soil LTAR	0.30	gpd/sq ft
(ltar +5%)	0.315	gpd/sq ft
INNOV. Product Reduction	25%	
LTAR with INNOV.	0.40	gpd/sq ft
LTAR with INNOV. + 5%	0.420	gpd/sq ft
100% Dose Volume	266.81	gal
Percent Dose Volume	66%	
Total	176.10	gal
Pump Run Time	5.76	min