

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: D048543

PIN #: 1767327913

OP DATE: 0311012014

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.)

01020

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

OMPL

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#: D048543 STATUS: A APP. DATE: 01/07/2013 BLDG. PERMIT#: 0133262
PIN: 1767.03 42 0777 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 09 LITTLE RIVER JURISDICTION: WC ZONING: R30 SW DEVICE: N S#:
APPLICANT: KEMP HARRIS
PO BOX 6116
RALEIGH, NC 27628
(919) 369 - 5221
USE: HD USE: 101A CONVENTIONAL ONE-FAMILY H
EXIST USE:
LTAR: 0.35 0.35 BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0 FOUNDATION DRAIN: Y
SITE: ADDRESS: 2333 ROLESVILLE RD
SUBDIVISION: SILLINGS, RYAN LOT: 003 ACRES: 5.08 EASEMENT: N LOC: SYS:
DIRECTION: TAKE HWY 401 N TO ROLESVILLE, TN RT ON YOUNG ST
(ROLESVILLE RD), GO 0.5 MILE PAST MITCHELL MILL
RD. PROPERTY ON LEFT.

IMPROVEMENT PERMIT

TANK SIZE: 1200 gal. PUMP Tank: 1200 gal. SQ FT: 1020 INNOVATIVE MAX DEPTH LINE: 24 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III G PUMP: Y P/M: N
DAILY FLOW: 480 gal/day DESIGN FEE REQ?: PAID?: WATER: INDIVIDUAL

COMMENTS:

IP ISSUED? Y DATE: 07/18/2013 BY: (CHH) *Christa H. Hays RAHS* 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. 1200 GAL SEPTIC TANK, 1200GAL PUMP TANK. 4(85'X3') ACCEPTED STATUS. 24" TRENCH DEPTH. PUMP TO MANITEE. CALL WITH ANY QUESTIONS, CHANGES OR CONCERNS.

TANK SIZE: 1200 gal. PUMP TANK: 1200 gal. SQ FT: 1020 INNOVATIVE MAX DEPTH LINE: 24 in.
MAINT: N OPER: N L/O: P TRENCH#: 4 LENGTH: 85 ft. WIDTH: 36 in. DESIGNER: CCSC
SUBFIELDS: _ DESIGN HEAD PRESSURE: _ DESIGN FLOW: _ gal/min DOSE VOLUME: _ gal.

CA ISSUED? Y DATE: 07/18/2013 BY: (CHH) *Christa H. Hays RAHS* PHONE#: 868-2564

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PERMIT#: **D048543** STATUS: **A** APP. DATE: **01/07/2013** BLDG. PERMIT#: **0133262**
PIN: **1767.03 42 0777 000** TAX MAP: **0** RECORDED: **Y** ORIG. PERMIT#:
TOWNSHIP: **09 LITTLE RIVER** JURISDICTION: **WC** ZONING: **R30** SW DEVICE: **N S#:**
APPLICANT: **KEMP HARRIS**
PO BOX 6116
RALEIGH, NC 27628
(919) 369 - 5221
USE: **HD USE: 101A CONVENTIONAL ONE-FAMILY H**
EXIST USE:
LTAR: **0.35** BEDROOMS: **4** BASEMENT: **N** #EMPLOYEES: **0**
SITE: **ADDRESS: 2333 ROLESVILLE RD**
SUBDIVISION: **SILLINGS, RYAN LOT: 003** ACRES: **5.08** EASEMENT: **N** LOC: **SYS:**
DIRECTION: **TAKE HWY 401 N TO ROLESVILLE, TN RT ON YOUNG ST**
(ROLESVILLE RD), GO 0.5 MILE PAST MITCHELL MILL
RD. PROPERTY ON LEFT.

Well System: WATER: INDIVIDUAL - TYPE: NEW

WELL LOG INFORMATION: **DEPTH: 500** CASING DEPTH: **38** YIELD: **8** STATIC LEVEL: **10**
WELL CONTRACTOR: **Ben Darr** REG.# PUMP CONTRACTOR: **Ben Darr** REG.#
Construction Compliance ☒ GROUT APPROVED ☒ DATE **9/12/13** EHS **2487**
☒ WELLHEAD APPROVED ☒ DATE **3/5/14** EHS **2487**
☒ SYSTEM FINALIZED ☒ DATE **3/10/14** EHS **2487**

COMMENTS: **WELL AREA IS 25' FROM THE GARAGE, 30' OFF THE FRONT P/L, 30' OFF THE NORTH P/L AND AT LEAST 100' FROM ALL PARTS OF THE SEPTIC SYSTEM. SEE DEFINED AREA ON THE SITE PLAN. CALL WITH ANY QUESTIONS.**

DESIGN FLOW: gal./min. ACTUAL FLOW: **Operation Permit**
INNOVATIVE LETTER:

INSTALLED BY: **Mike Broadwell** INSTALLATION APPROVED BY: **Lines + Tanks - AmH**
PROPRIETARY SYSTEM: **EE Flow** FILTER NO: **Polylok Red**
COMMENTS:

OPERATIONS PERMIT ISSUED? **Y** OP DATE: **3/10/14** BY: **Odienne Hollaway RETS**

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: **12/13/13** Benchmark: **Tank** Rod reading: **11'0"** Distance to Structure: **20ft.**
ST: **12.0** gals ID#: **MCP 529** D.O.M.: **10-23-13** Elev.: **100'0"** Distance to Well:
PT: **1250** gals ID#: **MCP 314** D.O.M.: **10-16-13** Elev.: **12'0"**
D-box/FD/PM elev.: **4'4"** Supply Line: ft. Pump/Control Panel: **Goulds Pump**
Line 1: **5'1"** Date: Line 6: Date:
Line 2: **6'3"** Date: Line 7: Date:
Line 3: **6'9"** Date: Line 8: Date:
Line 4: **7'3"** Date: Line 9: Date:
Line 5: Date: Line 10: Date:
Distance to P/L: **52'** Notes: **Pump final required 12/13/13 (Completed)**

oning B30 By SL
 approve ✓ Date 6/19/13
 revise 101A
 reject MBL
 Front 30 Rear 30
 Side 10 Corner
 Comments:

LEGEND:

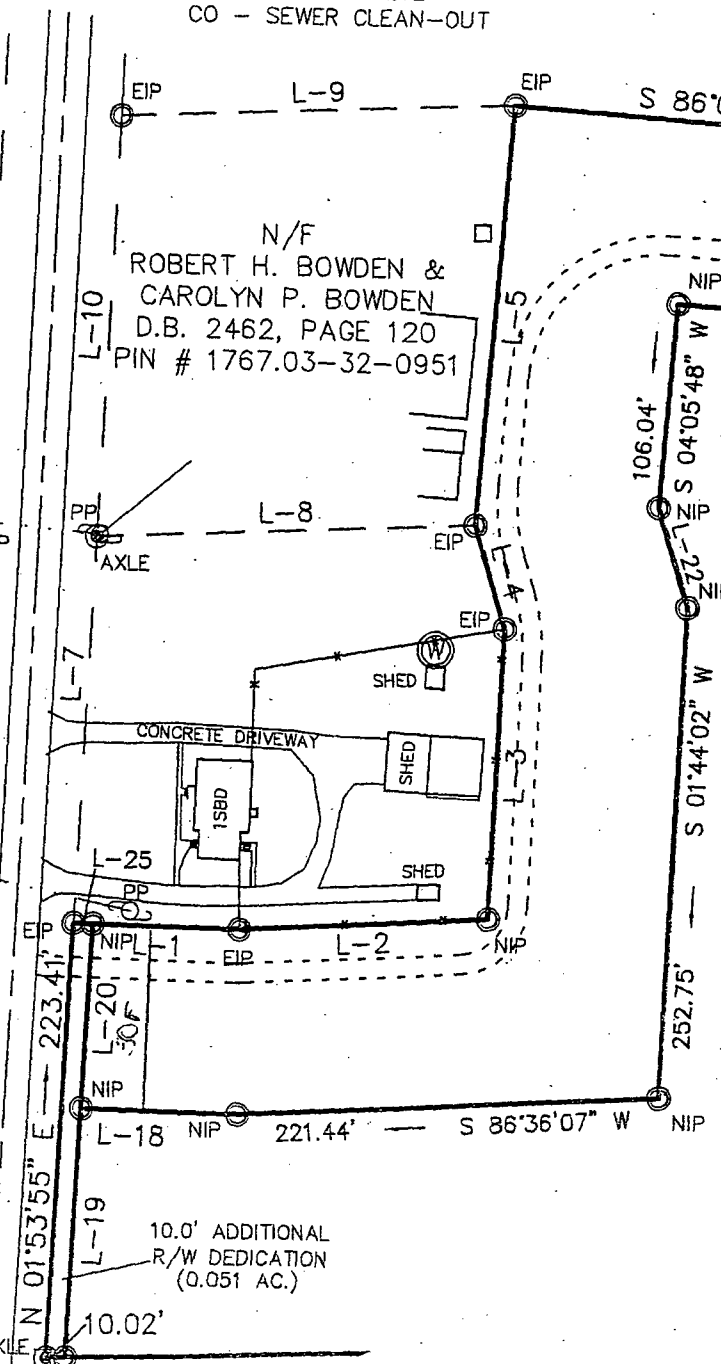
- EIP - EXISTING IRON PIPE
- EPK - EXISTING PK NAIL
- NIP - NEW IRON PIPE SET
- R/W - RIGHT OF WAY
- CATV - CABLE TV BOX
- EB - ELECTRIC BOX
- TEL - TELEPHONE PEDESTAL
- PP - POWER POLE
- OHL - OVERHEAD LINE
- LP - LIGHT POLE
- WM - WATER METER
- WV - WATER VALVE
- CO - SEWER CLEAN-OUT

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
NOELL A. CADY

NOELL A. CADY
 D.B. 13243, PAGE 383
 B.M. 1986, PAGE 1744
 PIN # 1767.03-33-3144

IMPERVIOUS SURFACE TABLE	
HOUSE	2,045 S.F.
GARAGE	819 S.F.
DRIVEWAY	16,268 S.F.
MISC.	200 S.F.
TOTAL IMPERVIOUS AREA	19,332 S.F.
IMPERVIOUS AREA ALLOWED	44,149 S.F.
REMAINING IMPERVIOUS AREA	24,817 S.F.

2333 ROLESVILLE ROAD
 60' PUBLIC R/W N.C.S.R. 1003

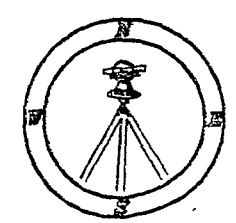
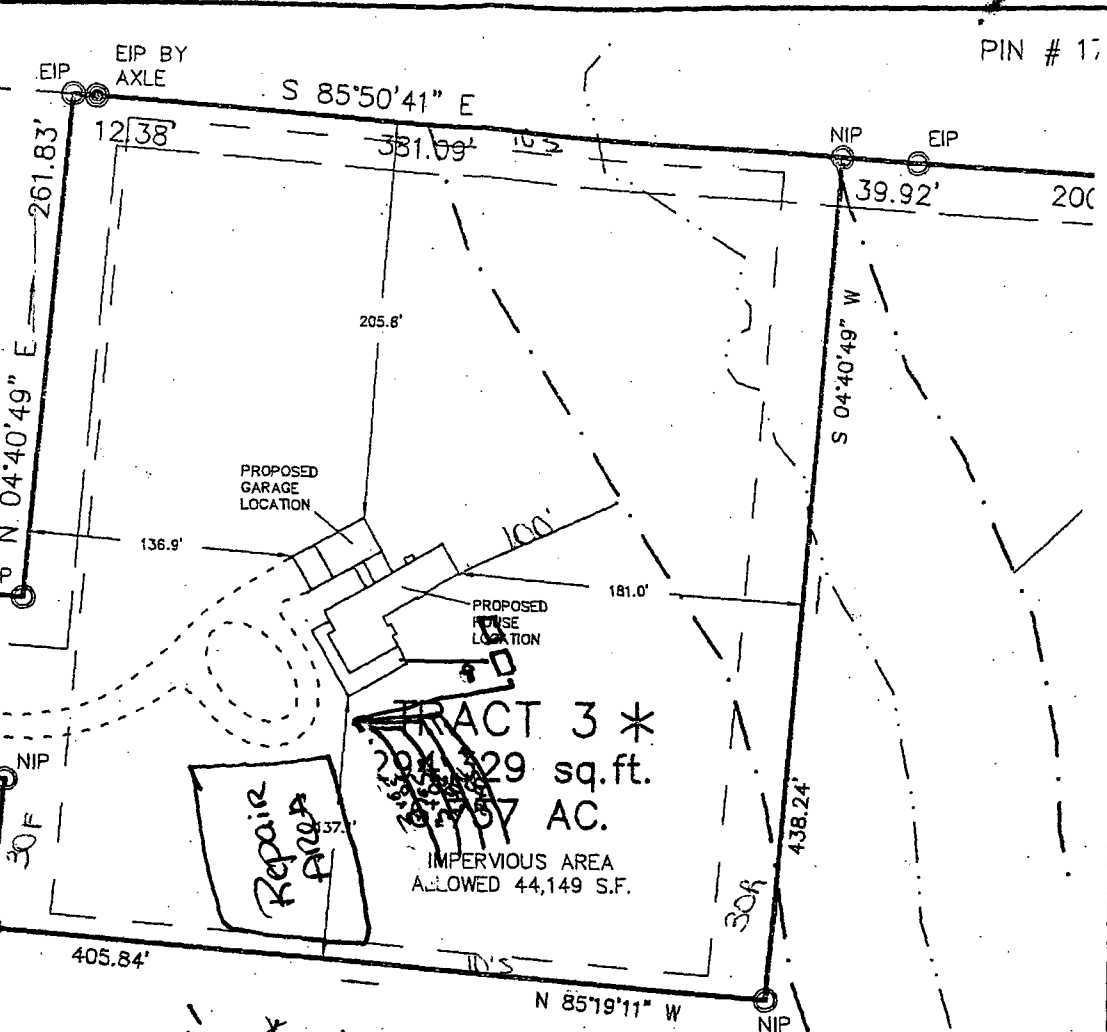
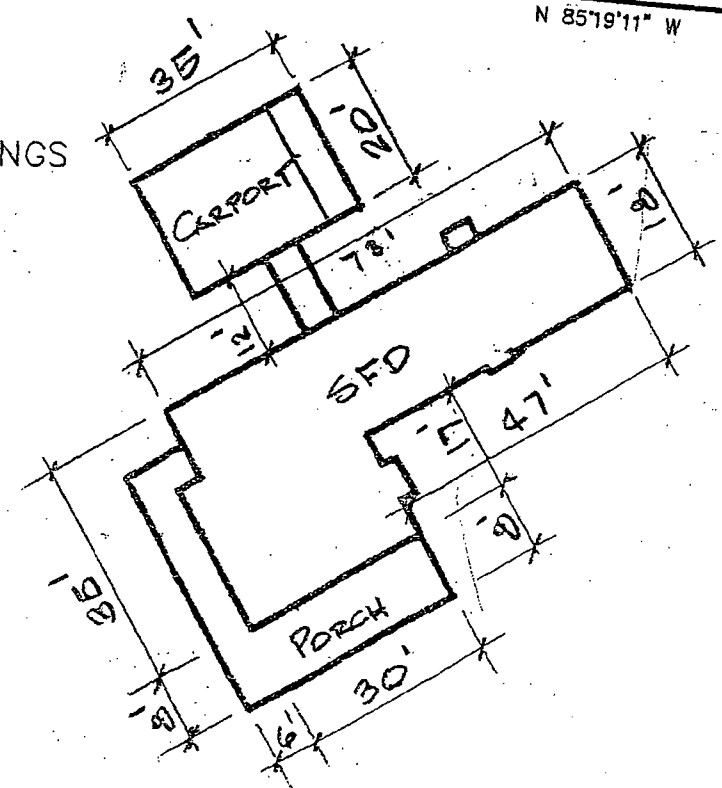


PRELIMINARY PLOT PLAN FOR
RYAN SILLINGS
 OWNER: RYAN M. SILLINGS AND CHRISTINE N. SILLINGS
 REF: D.B. 14856, PAGE 824
 REF: B.M. 2012, PAGE 676
 LITTLE RIVER TOWNSHIP
 WAKE COUNTY, NORTH CAROLINA



SCALE 1"=100'

JUNE 8, 2012
 REVISED APRIL 19, 2012
 ZONED R-30
 PIN # 1767.03-42-0777

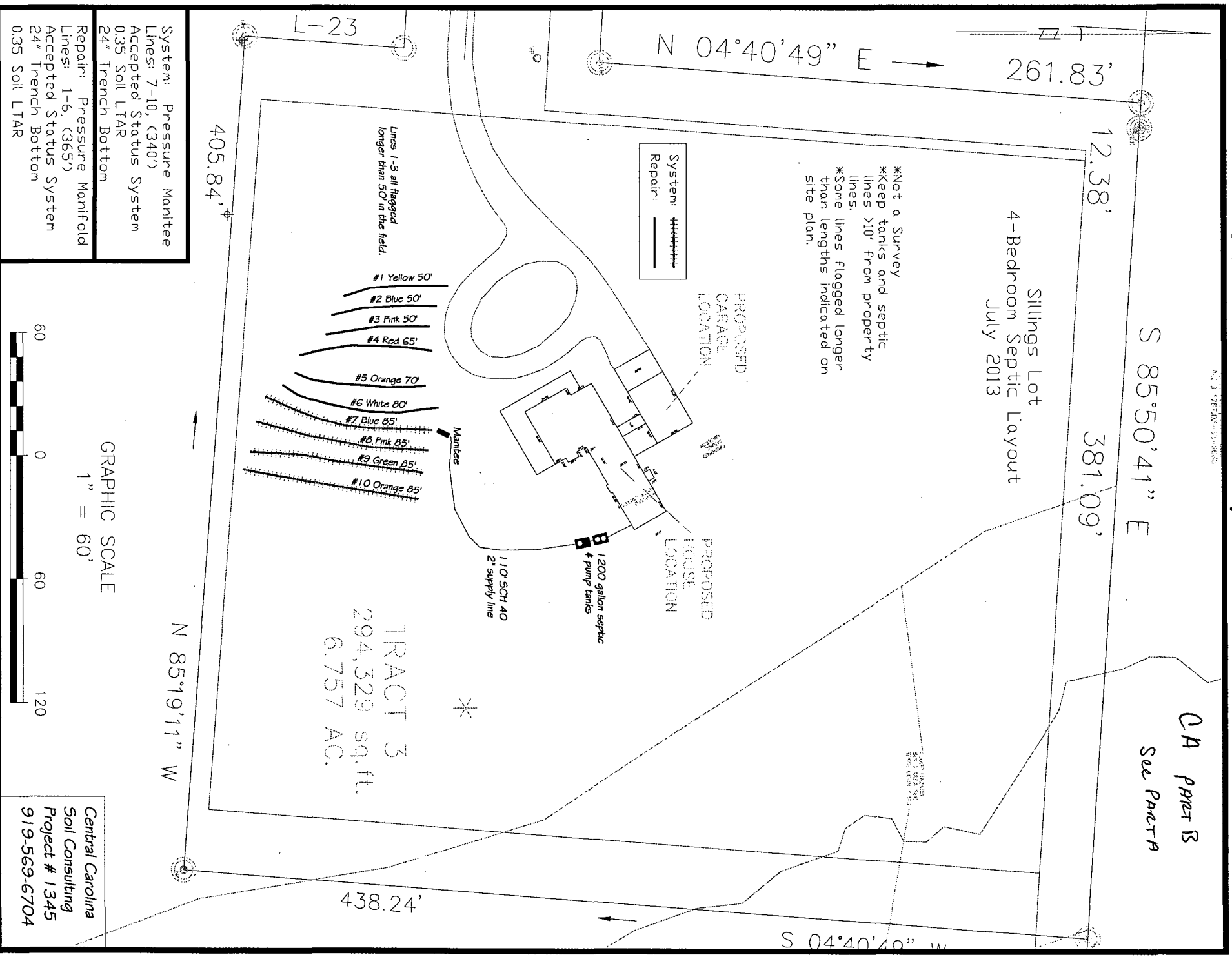


D48543

1767.03 42 0777

PL 2 1767.03-42-0777

CA PREP B
See PART A



Sillings Lot System, Tap Chart

Bench Mark	0.00	is = 100.00	Location of BM					Elevation Head	15.40
Pump tank elev.	15	85.00	Pump elev.	80.00	Manifold elev.				95.40
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
7	Blue	5.60	94.40	85	1/2in SCH 40	7.11	120.00	255	0.4706
8	Pink	6.10	93.90	85	1/2in SCH 40	7.11	120.00	255	0.4706
9	Green	6.50	93.50	85	1/2in SCH 40	7.11	120.00	255	0.4706
10	Orange	6.90	93.10	85	1/2in SCH 40	7.11	120.00	255	0.4706

	total	feet =	340	gal/min =	28.44	<u>LTAR =</u>	0.3500
						<u>LTAR + %5</u>	0.3675
% of Dose Vol.	70	<u>Des. Flow</u>	480			(ltar W/ INOV)	0.4667
Dose Volume	154.70	Pump Run=	16.88			(ltar W/ INOV + 5%)	0.4900
Dose Pump Time	5.44	Tank Gal/IN	21				
Drawdown in Inches	7.37						



Wake County Human Services Laboratory

10 Sunnybrook Rd., Raleigh, NC 27610

(919) 250-4441

Certification #37503

D048543

Kemp Harris

2333 Rolesville Road

0

Additional
Information:

Collection Date: 3/5/2014

Collection Time: 2:30 PM

Collected by: Casebolt

Lab Number: 214.14

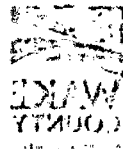
Comments:

Parameter	Result	Units	Limits for Drinking Water *
Lead,			
flushed	<0.003	mg/L	0.015 mg/L
Nitrate	5.00	mg/L	10 mg/L
Nitrite	<0.1	mg/L	1 mg/L
Alkalinity	38	mg CaCO ₃ /L	No established limit
Silver	<0.01	mg/L	0.1 mg/L
Arsenic	<0.005	mg/L	0.010 mg/L
Barium	<0.05	mg/L	2 mg/L
Calcium	10.4	mg/L	No established limit
Cadmium	<0.001	mg/L	0.005 mg/L
Chloride	5.2	mg/L	250 mg/L
Chromium	<0.02	mg/L	0.100 mg/L
Copper	<0.05	mg/L	1.3 mg/L
Fluoride	0.42	mg/L	Regulatory 4 mg/L Secondary 2 mg/L
Iron	<0.06	mg/L	Health 7 mg/L Aesthetic 0.3 mg/L
Hardness	32	mg CaCO ₃ /L	No established limit
Magnesium	1.4	mg/L	No established limit
Manganese	<0.01	mg/L	Health 1.61 mg/L Aesthetic 0.05 mg/L
pH	6.44	SI	6.5-8.5
Selenium	<0.005	mg/L	0.05 mg/L
Sodium	13.0	mg/L	No established limit
Zinc	1.06	mg/L	5 mg/L
Mercury	<0.0002	mg/L	0.002 mg/L

Report Date: 3/10/2014

Submitted by: Kimberly Trossman
Kimberly Trossman

* Limits are EPA Safe Drinking Water Primary and/or Secondary Standards.



Wake County Human Services Laboratory

10 Sunnybrook Rd., Raleigh, NC 27610

(919) 380-4441 Certification #37803

Additional Information: 3333 Roseville Road 0
Lab Number: 214 14
Collected by: Campbell
Collection Time: 2:20 PM
Collection Date: 3/15/2014

Comments:

Parameter	Result	Units	Limits for Drinking Water *
Lead	<0.003	mg/L	0.015 mg/L
Barium	2.00	mg/L	10 mg/L
Nitrate	<0.1	mg/L	1 mg/L
Nitrite	38	mg/L	No established limit
Alkalinity	<0.01	mg/L	0.1 mg/L
Silver	<0.005	mg/L	0.010 mg/L
Arsenic	<0.05	mg/L	2 mg/L
Bismuth	10.4	mg/L	No established limit
Calcium	<0.001	mg/L	0.005 mg/L
Cadmium	2.2	mg/L	250 mg/L
Chloride	<0.02	mg/L	0.100 mg/L
Chromium	<0.05	mg/L	1.3 mg/L
Copper	0.45	mg/L	Regulatory 4 mg/L
Fluoride	<0.09	mg/L	Secondary 2 mg/L
Iron	32	mg/L	Health 3 mg/L
Hardness	1.4	mg/L	Aesthetic 0.3 mg/L
Magnesium	<0.01	mg/L	No established limit
Manganese	8.44	mg/L	No established limit
ph	<0.005	mg/L	Health 1.61 mg/L
Selenium	13.0	mg/L	Aesthetic 0.05 mg/L
Sodium	1.08	mg/L	0.5-8.5
Zinc	<0.0003	mg/L	0.05 mg/L
Mercury		mg/L	No established limit

Submitted by: Kimberly Treisman
Report Date: 3/15/2014

* Limits are EPA Safe Drinking Water Primary and/or Secondary Standards.