

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	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#: D023680 STATUS: A APP. DATE: 02/13/2002 BLDG. PERMIT#: 0022342
PIN: 0761.04 94 4849-889 7277 TAX MAP: 0675 0256 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 18 SWIFT CREEK JURISDICTION: WC ZONING: R40W
APPLICANT: RUFTY HOMES, INC.
110 EDINBURGH DRIVE
CARY, NC 27511
(919) 460 - 8550
USE: HD USE: 101 ONE-FAMILY HOUSE
EXIST USE:
DISPOSAL: N BEDROOMS: 5 BASEMENT: Y #EMPLOYEES: 0 FOUND DRAIN:
SITE: ADDRESS: 3417 BIRK BLUFF CT
SUBDIVISION: BIRKLANDS LOT: 10 ACRES: 1.43
DIRECTION: OFF PENNY RD BETWEEN KILDAIRE FARM RD & HOLLY
SPRINGS RD APPROX. 1/4 MI. FROM HOLLY SPGS RD

IMPROVEMENT PERMIT

TANK SIZE: 1500 gal. PUMP Tank: 1500 gal. SQ FT: 1500 INNOVATIVE MAX DEPTH LINE: 24 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III G PUMP: Y P/M: Y
DAILY FLOW: 600 gal/day DESIGN FEE REQ?: Y PAID?: Y WATER: COMMUNITY

COMMENTS: PERMIT ISSUED FOR 5 BEDROOM DWELLING. PRESSURE MANIFOLD DISTRIBUTION TO INNOVATIVE TRENCHES.
25% REDUCTION ALREADY TAKEN. NO UNDERGROUND UTILITIES THROUGH REPAIR AREA. NO SPRINKLER SYSTEM TO BE
INSTALLED THROUGH INITIAL SYSTEM OR REPAIR AREA. PLANS FOR PRESSURE MANIFOLD DESIGN MUST BE APPROVED
PRIOR TO ISSUANCE OF C.A. CALL OFFICE WITH ANY QUESTIONS.

IP ISSUED? Y DATE: 02/13/2003 BY: (SCR)  PHONE#: 857-9355

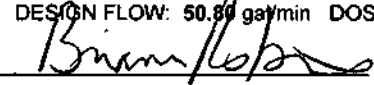
AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION

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. **OTHER CONDITIONS:**
INSTALL SEPTIC SYSTEM ACCORDING TO CONSULTANTS PLAN, THIS IS A MANIFOLD SYSTEM THAT REQUIRES A NEMA 4X
CONTROL PANEL WITH ELAPSED TIME METER, CYCLE COUNTER, 2 CIRCUIT BREAKERS, AND ALARM. DO NOT REMOVE OR
GRADE ANY SOIL FROM SEPTIC SYTEM AREA OR ITS SETBACKS. DO NOT INSTALL UTILITIES OR IRRIGATION OVER SEPTIC
SYSTEM AREA. ADHERE TO ALL LOCAL AND STATE RULES.

TANK SIZE: 1500 gal. PUMP TANK: 1500 gal. SQ FT: 1500 INNOVATIVE MAX DEPTH LINE: 24 in.
MAINT: N OPER: N L/O: P TRENCH#: 7 LENGTH: 500 ft. WIDTH: 36 in. DESIGNER: FEB & ASSO
SUBFIELDS: 1 DESIGN HEAD PRESSURE: 2 DESIGN FLOW: 50.80 gpm DOSE VOLUME: 231 gal.

CA ISSUED? Y DATE: 02/19/2003 BY: (BCR)  PHONE#: 856-7443

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PERMIT#: D023680 STATUS: A
PIN: 0761.04 94 4849-000 7277

APP. DATE: 02/13/2002
TAX MAP: 0675 0256
JURISDICTION: WC

BLDG. PERMIT#: 0022342
RECORDED: Y ORIG. PERMIT#:
ZONING: R40W

APPLICANT: RUFTY HOMES, INC.
110 EDINBURGH DRIVE
CARY, NC 27511
(919) 460-8550

USE: HD USE: 101 ONE-FAMILY HOUSE
EXIST USE:

DISPOSAL: N BEDROOMS: 5 BASEMENT: Y #EMPLOYEES: 0
SITE: ADDRESS: 3417 BIRK BLUFF CT

SUBDIVISION: BIRKLANDS LOT: 10 ACRES: 1.43

DIRECTION: OFF PENNY RD BETWEEN KILDAIRE FARM RD & HOLLY
SPRINGS RD APPROX. 1/4 MI. FROM HOLLY SPGS RD

Well System: WATER: COMMUNITY - TYPE: EXISTING

WELL LOG INFORMATION: DEPTH: _____ CASING DEPTH: _____ YIELD: _____ STATIC LEVEL: _____
WELLI CONTRACTOR: _____ REG.# _____ PUMP CONTRACTOR: _____ REG.# _____
Construction Compliance GROUT APPROVED ☐ DATE _____ EHS _____
WELLHEAD APPROVED ☐ DATE _____ EHS _____
SYSTEM FINALIZED ☐ DATE _____ EHS _____

COMMENTS:

DESIGN FLOW: 50.80 gal./min. ACTUAL FLOW: 44.14 gal/min. ^{Operation Permit} INNOVATIVE LETTER: R

INSTALLED BY: Ed Faison

INSTALLATION APPROVED BY: [Signature]

PROPRIETARY SYSTEM:

FILTER NO: _____

COMMENTS:

OPERATIONS PERMIT ISSUED? Y

OP DATE: 8-7-03

BY: [Signature]

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.: _____
D-box/FD/PM elev.: _____ Supply Line: _____ ft. Pump/Control Panel: _____
Line 1: _____ Date: _____
Line 2: _____ Date: _____
Line 3: _____ Date: _____
Line 4: _____ Date: _____
Line 5: _____ Date: _____
Distance to P/L: _____ Notes: _____

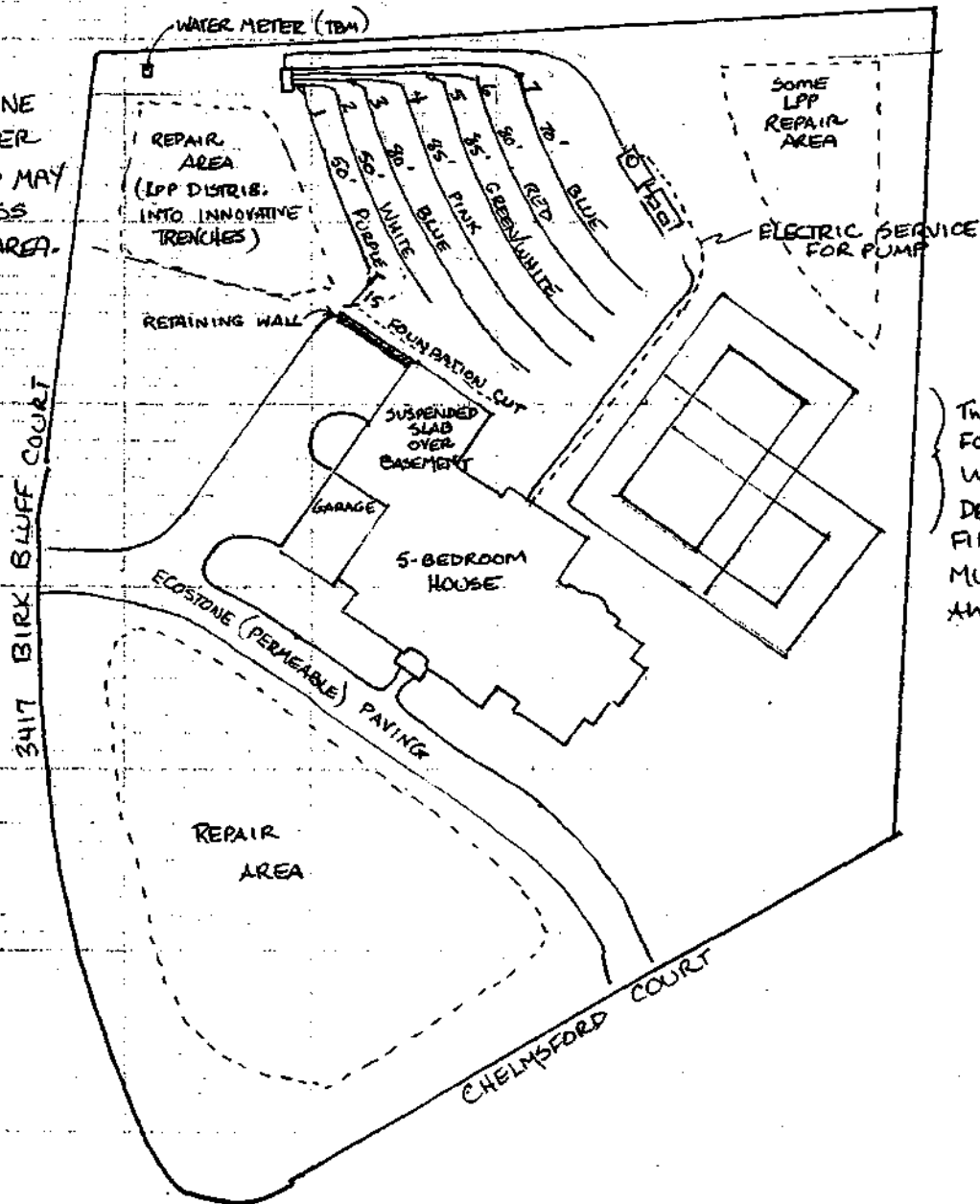
Did not have file at time of final

Tanks + Lines Approved
1600 gallon mills PT used

D-23680

C.A.

NOTE:
WATER LINE
AND OTHER
UTILITIES MAY
NOT CROSS
REPAIR AREA.



TWO POSSIBLE OPTIONS
FOR 25'X50' POOL
WITH 10' DECK.
DECK RUNOFF AND
FILTER DISCHARGE
MUST BE DIVERTED
AWAY FROM TANKS

SCALE: 1" = 50'

LOT 10
BIRKLANDS

RUFFY HOMES



FEBRUARY ASSOCIATES, INC.

PIN: 0161-04-94-4549

DRAWN BY: KHM

8-13-02

PO Box 5427
Cary NC 27512
(919) 467-5427

TAP CHART

Lot 10 Birklands

Bench Mark	5.00	is = 100.00	set at	water meter			Design Head:	2.00	
Pump tank elev.	90.00		Pump elev.	85.00	Manifold elev.	97.70			
line	color	rod read	Elevation	length	tap size	flow/tap	gal/day	trench area	LINE LTAR
1	purple	7.8	97.20	50	3/4" 80 w/ fd	5.05	59.65	150	0.398
2	white	8.8	96.20	50	above	5.05	59.65	150	0.398
3	blue	9.8	95.20	80	1" 80 w/ fd	8.40	99.21	240	0.413
4	pink	10.5	94.50	85	above	8.40	99.21	255	0.389
5	grn/white	11.6	93.40	85	1" 80 w/ fd	8.40	99.21	255	0.389
6	red	12.6	92.40	80	above	8.40	99.21	240	0.413
7	blue	13.4	91.60	70	1/2" 40	7.10	83.86	210	0.399

total feet = 500 gal/min = 50.80 LTAR = 0.300
 LTAR + 5% = 0.315

% of Pipe Vol.	71.10	Des. Flow	600	
Dose Volume	231	Pump Run=	11.81	(ltar W/ INOV) 0.400
Dose Pump Time	4.55	Tank Gal/IN	33	(ltar + 5%) 0.420
Drawdown in Inches	7.00	Elev. Head	12.70	
Supply Line Length	115			

manifold schematic not to scale

