

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: 0014062

PIN #: 0774287382

OP DATE: 12/22/1999

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.)

00900

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

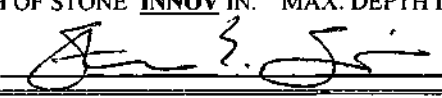
PERMIT#: D014062 STATUS: A APP DATE: 03/31/1999 BLDG PERMIT#: 62
APPLICANT: HAMLIN, RICHARD DAY PHONE: (919) 786 - 0199
ADDRESS: 5935 DIXON DR FAX#: (919) 388 - 0051
CITY: RALEIGH STATE: NC ZIP: 27609
OWNER: HAMLIN, RICHARD W & PAULA DAY PHONE: (919) 000 - 0000
ADDRESS: SAME FAX#: (000) 000 - 0000
CITY: SAME STATE: NC ZIP: 00000
HD USE CD: 101 ONE-FAMILY HOUSE ORIG PERMIT#: REC?: Y
EXIST USE: TAX MAP#: 0490 0321
BEDROOMS: 3 BSMT: N #EMPLOYEES: 0 WATER: C WASTEWATER: I GARB DISPOS: N
TOWNSHIP: 04 CARY JURIS: CAX ZON: R-30 PIN: 0774.06 28 7382 000
SUBD#: S 000 000 00 SUBD NAME: MEDFIELD EST LOT-SEC: 143 ACRE: 0.52
IMPRV PRMT: ISSUED?: Y DATE: 08/10/1999 BY: SES TYPE SYSTEM: III G PUMP: Y
CNSTR AUTH: ISSUED?: Y DATE: 08/10/1999 BY: SES MAINT: N OPER: N
RECEIPT#: FEE: 145.00 OP DATE: 12-22-99 BY: ETO
WATR SAMPL: REQ?: APPROVED?: DATE: PROPRIETARY SYS: ELLay
ST#: 1806 MI: DIR: NAME: MEDFIELD DIR: TYP: RD
DIRECTIONS: BLUE RIDGE RD TO TRINITY RD, TO BRANDYWINE, CHA
NGES TO ELECTRA, R ON MEDFIELD RD, LOT IS ON R
(DIRECTIONS FROM APPLICANT)

System changed to SES
to 4 lines w/ Pres. Manifold
3@80' + 1@75'

IMPROVEMENT PERMIT

SIZE OF TANK 1000 ST 1000 PT GALS. TOTAL SQ. FT. 900* DEPTH OF STONE INNOV IN. MAX. DEPTH LINE 24 IN.

WASTEWATER: DOMESTIC ☒ INDUSTRIAL ☐

I.P. ISSUED BY 

AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION

VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

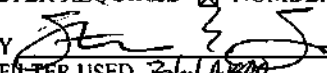
AUTHORIZATION CONDITIONS

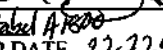
Contractor To Follow Contours, See Attached Site Plan For Wastewater System Design And Well Location. The wastewater system shall not be covered or placed into use until inspected by the Wake County Department of Environmental Services and an Operation Permit issued.

OTHER CONDITIONS: *indicates reduced square footage for appropriate innovative product (available space extremely limited), S&EC design work incorporated by reference, proposal based upon: (1) SFD being sited at least 130 feet back from front R/W, (2) owner electing appropriate innovative product, (3) no foundation (basement) or perimeter drains allowed for structure and (4) design for manifold (or revised distribution proposal) to be submitted to this office within 30 days of issuance of permit (distribution proposal must be approved prior to installation of system). -all areas for septic system to be protected during construction by some type of flagged barrier, all utilities to be routed around field and tank locations for system, ***water supply line to be installed a minimum of 10 feet away from all parts of septic system - obviously must be routed on opposite side property line from septic system supply lines and manifold location, location of manifold and supply line(s) not shown because it could be routed down either side property line, supply lines and manifold must be a minimum of 5 feet off property lines, proposed garage allowed in future as long as structure and driveway orientation does not interfere with nitrification lines and area needed for tank placement, ANY LOSS OR DEGRADATION OF NECESSARY (DESIGNATED) SOILS AREA WILL VOID THIS PERMIT, installation must not be done during moist or wet soil conditions, contractor to demonstrate how innovative product can be installed without "crossing" system with excavation equipment, driveway can not encroach into initial or repair areas

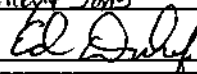
SIZE OF TANK 1000 ST 1000 PT GALS. TOTAL SQ. FT. 900* DEPTH OF STONE INNOV IN. MAX. DEPTH LINE 24 IN.

ST FILTER REQUIRED ☒ NUMBER OF TRENCHES 4 LENGTH OF TRENCHES *FT. 75-80 WIDTH OF TRENCHES 3 FT.

C.A. ISSUED BY  INSTALLED BY D. Brantley Sons CTR. I.D. #

SEPTIC TANK FILTER USED 

INNOV. APPRL. #: 1WWS-96362 DATE 12-22-99

INSTALLATION APPROVED BY 

WELL SYSTEM = PRIVATE ☐ SEMI-PUBLIC ☐ NEW ☐ REPLACEMENT ☐ EXISTING ☐

WELL LOG INFORMATION = DEPTH CASING DEPTH YIELD STATIC LEVEL

WELL CONTRACTOR REG.# PUMP CONTRACTOR REG.#

**DAVID BRANTLEY AND SONS INC
PRESSURE MANIFOLD DESIGN**Name : RICK HAMILN P.L.N. #: 0774, 0628 7382 D# 14062Address : 1806 MEDFIELD RD. Subdivision : MEDFIELD Lot #: 143Number of Bedrooms : 3 Daily Flow : 360gal/day L.T.A.R. : 35gal/day/sq.ftSeptic Tank : 1000gals Pump Tank : 1000gals Square Footage : 1060Number of Taps : 4 Length of Trenches : 80ftSize of Taps : 1/2 in sch40pvcFlow per Orifice : 7.11gals/min Total Flow : 28.44gals/minManifold Diameter : 3 in sch80pvc Tap Configuration : 6 in spacing, 1 side(s) of manifoldManifold Length : 40inSupply Line : length : 80ft, diameter : 2in Sch 40 pvcFriction Loss + Fittings Loss: 4ft(supply line length + 70' for fittings in pump tank), Design Head : 2ftPartial Head : 6ft (friction loss + fittings loss + design head)Elevation Head : 13ft (difference between pump elevation & manifold)Total Head : 19ft (partial head + elevation head)Pump to Deliver : 35gals/min at 22ft headDosing Volume : 320 total pipe length X .65 gal/100ft = 208gals70 % of 208gals = 145.6gals for dosageDrawdown : 145.6gals divided by 21 gals/in = 6.9inchesUsed Lines
2-52-80
3-80
4-80
5-75

OK 12-21-99

D-B 1000

STB 646

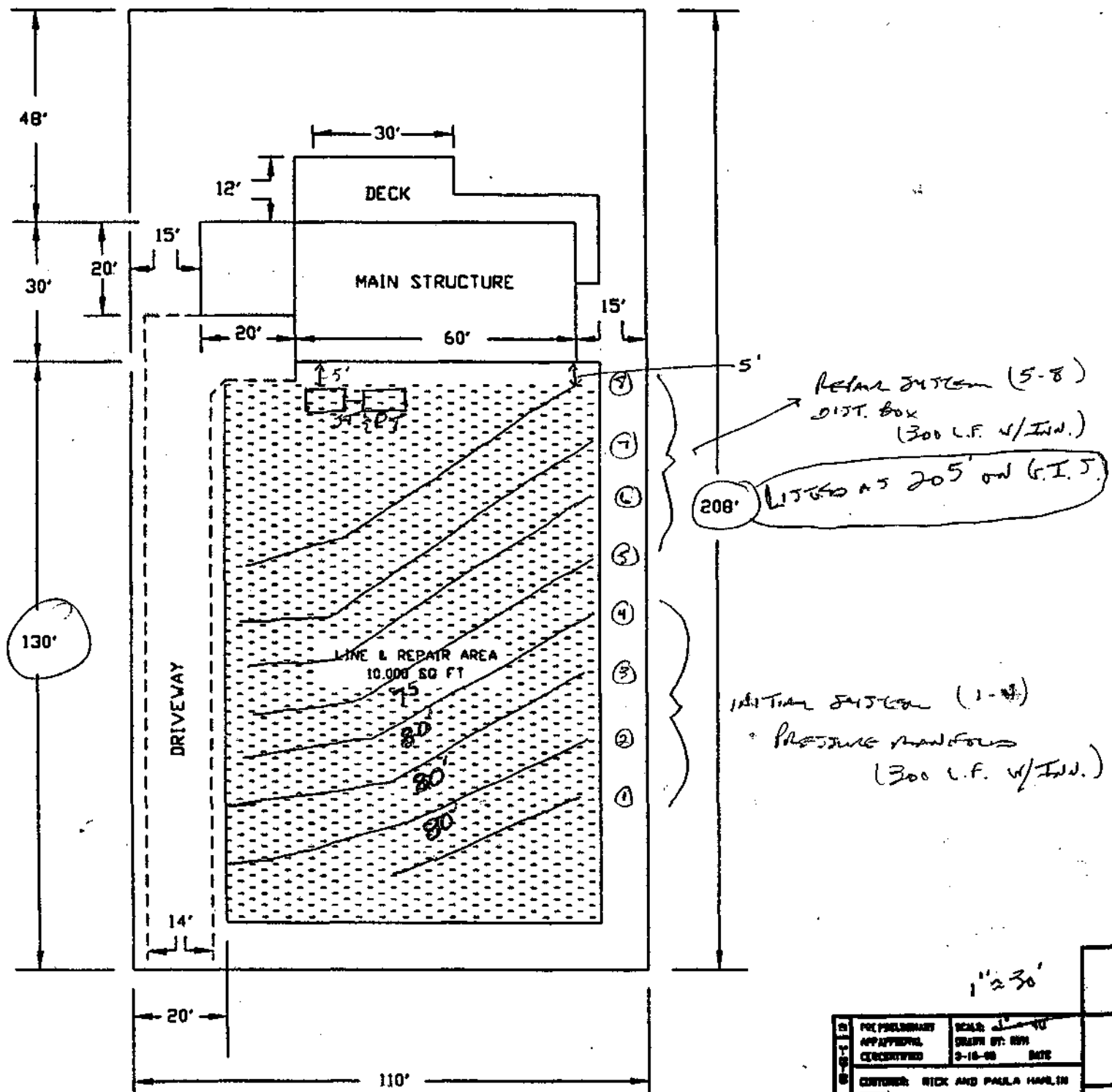
7/24/99

DB 1000

PT 237

10/12/99

D-14062



PREPARED BY	SCALE: 1" = 30'
APPROVED	DRAWN BY: RHN
CHECKED	DATE: 9-16-00
CUSTOMER: RICK AND PAULA HARLIN	
LOCATION: WINDFIELD ESTATES	
JOB NO.:	

SEE TIE LAYOUT SHEET FOR FLAGGING COLORS & LINE WIDTHS