

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER PERMIT

NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION AUTHORIZATION HAS BEEN ISSUED

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

OPERATIONS PERMIT

PERMIT # WRP-031718-2020 **APPLICATION DATE:** 01/20/2020 **BLDG. PERMIT#:** RBPR-034169-2020
PIN: 1609934508 **RECORDED:** Yes
TOWNSHIP: 15 - Panther Branch **JURISDICTION:** Wake County **ZONING:** R-40W
APPLICANT: Debbie Powell **BUSINESS PHONE:** (919) 741-0042
3201 Meadowvista Ct **HOME PHONE:**
MOBILE PHONE: (919) 741-0042
HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE **EXISTING USE:**
SITE ADDRESS: 625 RAND RD
SUBDIVISION: CAP PROPERTIES LLC **LOT:** RCMB 9-15 **ACRES:** 0.81
DIRECTIONS: From Garner, Highway 50 South, Right on Rand Road, property about 1 mile on right..

Systems defined as either type III-b, III-g 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 Dispersal Systems in Wake County", requires Wake County Environmental Services to conduct periodic inspections of the system type 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 and/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/her 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.

OPERATION PERMIT VALID FOR: No Expiration

INSTALLED BY: BRANTLEY, CORY - 1036 - IV

PROPRIETARY SYSTEM: EZ1203HG - EZFlow EZ 1203H Geo **PRETREATMENT SYSTEM:**

SYSTEM TYPE INSTALLED: III G

OPERATION PERMIT: **STATUS:** Issued

ISSUED BY: Caroline Suggs

ISSUED DATE: 05/10/2022

SEPTIC TANK: David Brantley & Sons - STB-323 - 1250 gallons **DATE OF MANUFACTURE:** 12/23/2021 **FILTER:** GAG SIM/TECH - STF-110

GREASE TRAP:

DATE OF MANUFACTURE:

FILTER:

DOSING PUMP TANK:

DATE OF MANUFACTURE:

FILTER:

CC1: **ETM1:** **CC2:** **ETM2:**

RECIRCULATION TANK:

DATE OF MANUFACTURE:

CC1: **ETM1:** **CC2:** **ETM2:**

SEPTIC TANK ELEVATION: 4.08

GREASE TRAP ELEVATION:

DOSING PUMP TANK ELEVATION:

RECIRCULATION TANK ELEVATION:

DISTRIBUTION DEVICE ELEVATION: 5

INSTALLED TRENCH DEPTH	INSTALLED AGGREGATE DEPTH	INSTALLED TRENCH LENGTH	INSTALLED TRENCH BOTTOM ELEVATION
24	12	135	6.58
24	12	135	7.25
24	12	135	6.58

ACTUAL PRESSURE HEAD:

ACTUAL FLOW RATE:

ACTUAL DOSE VOLUME:

SPECIFIC OPERATION REQUIREMENTS:

- System is designed for a 4 bedroom SFD, using 480 gallons per day
- Repair is a type IIIB system, with a maximum trench depth of 30" and a 0.3 LTAR
- Site serviced by private well water

ISSUED BY:

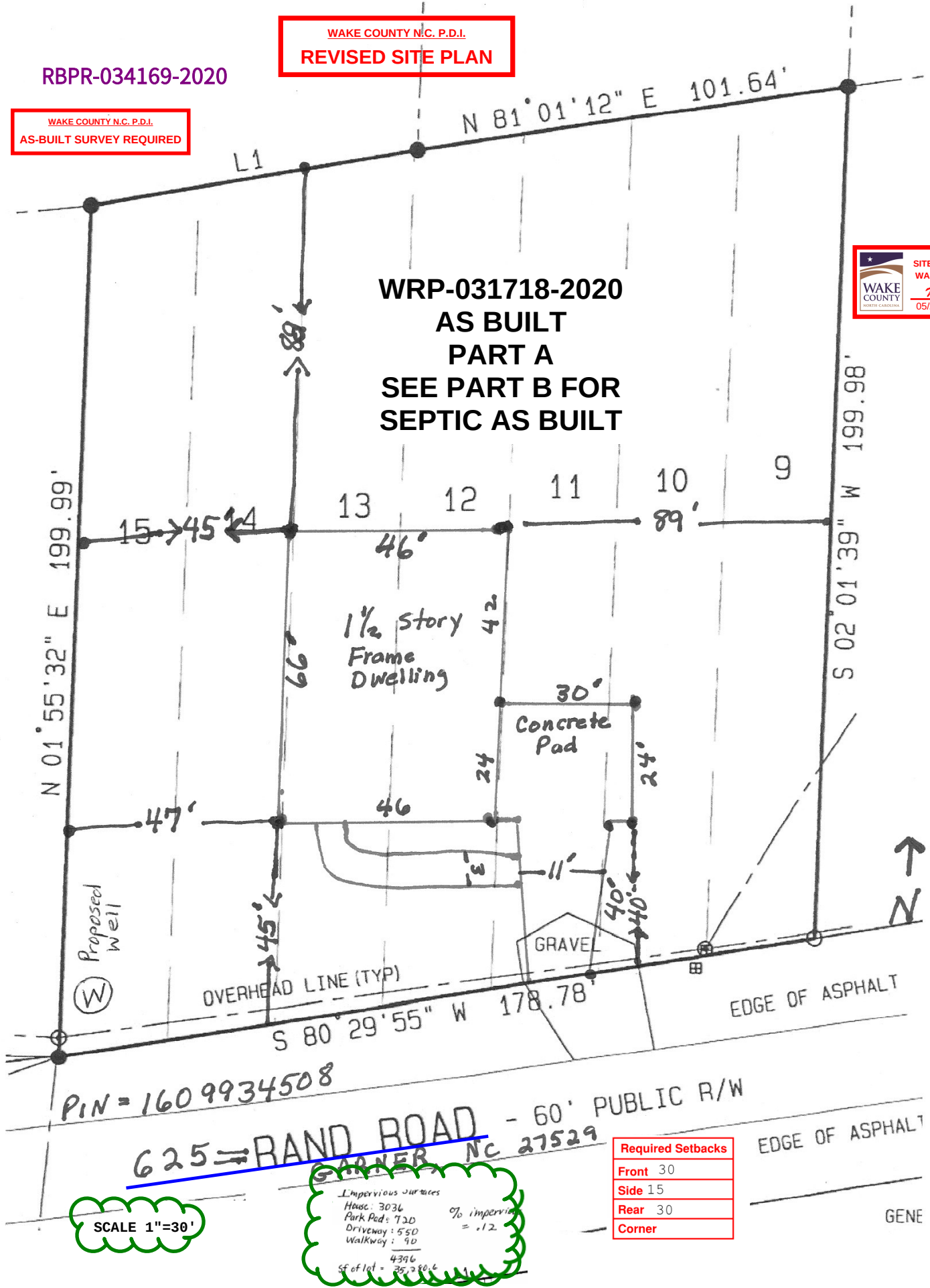
Caroline Augsp. RTHS

DATE: 05/10/2022

WAKE COUNTY N.C. P.D.I.
REVISED SITE PLAN

WAKE COUNTY N.C. P.D.I.
AS-BUILT SURVEY REQUIRED

WRP-031718-2020
AS BUILT
PART A
SEE PART B FOR
SEPTIC AS BUILT



Client Information:
Debbie Powell
3201 Meadowvista Court
Raleigh, NC 27606

Property Information:
625 Rand Road
Raleigh, NC 27606
Wake County
Parcel: 1609-93-4508

For
Review
Only

GENERAL NOTES

1) BOUNDARY INFORMATION TAKEN FROM PROPERTY SURVEY PERFORMED BY BOBBY FUQUAY AND ASSOCIATES.

2) LOCATION OF SEPTIC COMPONENTS (EXISTING AND PROPOSED) TAKEN FROM ENGINEERS SURVEY.

3) DRAWING DOES NOT REPRESENT A SURVEY PRODUCT.

SHEET TITLE

Property Layout

PROJECT CONTACT:

G. Morehouse 919-367-6324

DRAWN BY: G. Morehouse

CREATED ON: 5/18/2020

REVISED BY:

REVISED ON:

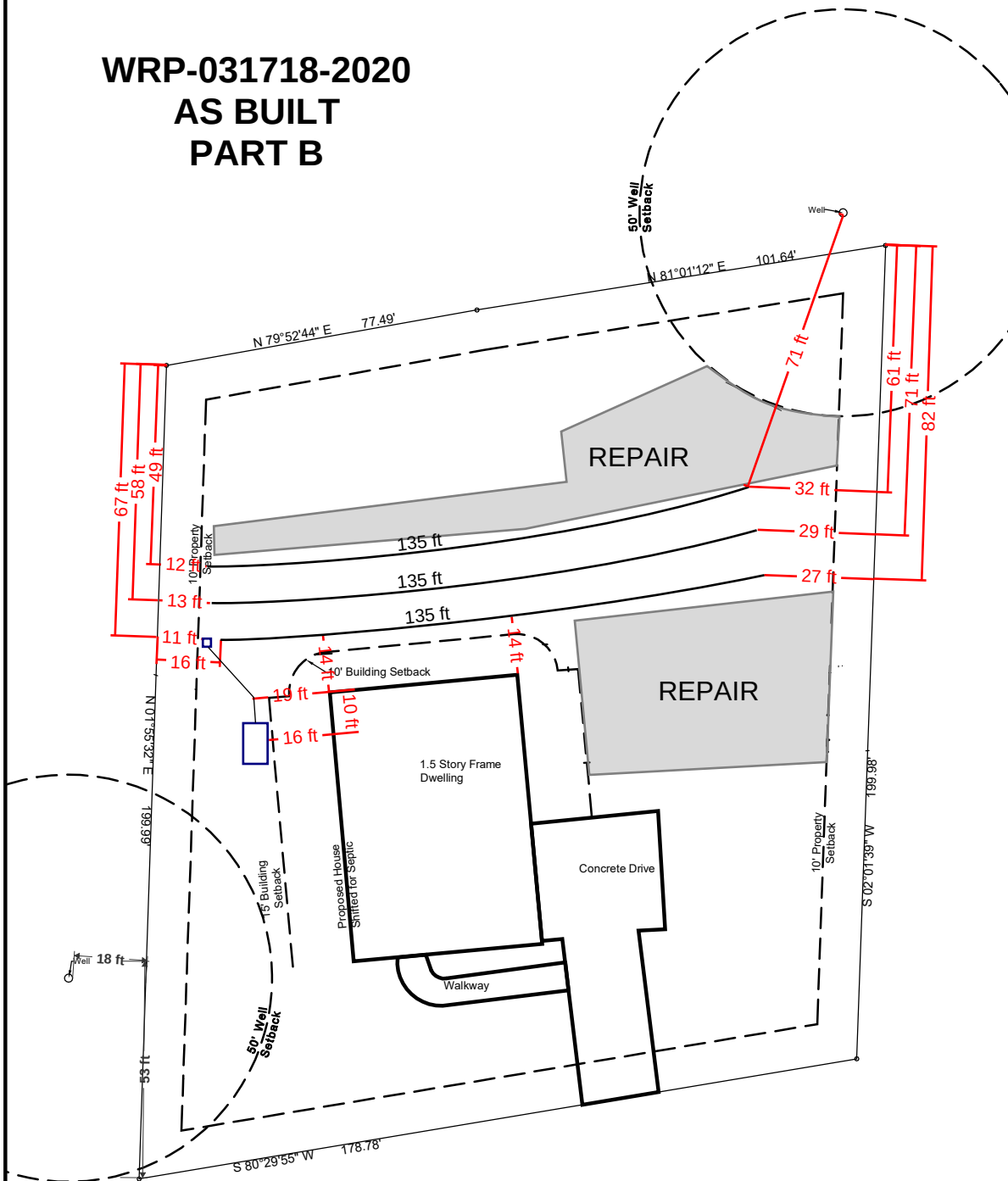
RELEASED BY:

RELEASED ON:

DRAWING NUMBER

WW-1

**WRP-031718-2020
AS BUILT
PART B**



4/4/22-WELL NOT INSTALLED AT TIME OF SEPTIC INSTALLATION

0 40 80 Feet



SCALED FOR 8.5" X 11" SHEET

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER PERMIT

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APPLICANT: Debbie Powell
3201 Meadowvista Ct
Raleigh, NC 27606

BUSINESS PHONE: (919) 741-0042**HOME PHONE:****MOBILE PHONE:****HD USE:** 101A CONVENTIONAL ONE-FAMILY HOUSE**EXISTING USE:****SITE ADDRESS:** 625 RAND RD**SUBDIVISION:** CAP PROPERTIES LLC**LOT:** RCMB 9-15**ACRES:** 0.81**DIRECTIONS:** From Garner, Highway 50 South, Right on Rand Road, property about 1 mile on right..

Contractors shall install system on contour. See attached SITE PLAN for wastewater system design and well location. No underground utilities, water lines or sprinklers systems may be located in the original system, or permit areas. A septic tank filter with two risers 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 Operations 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 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 nitrifications 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. Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

CONSTRUCTION AUTHORIZATION PERMIT VALID FOR: Five Years**CONSTRUCTION AUTHORIZATION PERMIT: CA STATUS:** Issued**BY:** Adrienne Holloway**DATE:** 06/05/2020**CA VALID FOR:** Five Years**DESIGN FLOW:** 480 GALLONS**BASEMENT:** No**BASEMENT FIXTURES:** No**SEPTIC TANK:** 1200 GALLONS**SEPTIC TANK FILTER:** Yes**DOSING PUMP TANK:****DOSING PUMP TANK FILTER:****GREASE TRAP:****GREASE TRAP FILTER:****RECIRCULATION PUMP TANK:****RECIRCULATION PUMP TANK FILTER:****PROPOSED SYSTEM:** 0.25 - 25% Reduction (Innovative or Accepted)**EXISTING SYSTEM:****DRAINFIELD SQ. FT:** 1,215**AGGREGATE DEPTH:** 12**MAX. TRENCH DEPTH:** 30 INCHES**DISTRIBUTION DEVICE:** GP - Gravity Parallel**TRENCH #:** 3**TRENCH LENGTH:** 135 FEET**TRENCH WIDTH:** 36 INCHES**TOTAL TRENCH LENGTH:** 405 FEET**CENTER SPACING:** 9 FEET**MINIMUM SOIL COVER:** 6 INCHES**PRETREATMENT:****APPROVAL #:**

SUBFIELDS #:

PUMP TDH:

PUMP DESIGN FLOW:

ZONE VALVE:

ASDMS REQUIRED:

P.E. SIGN OFF/ASBUILT REQUIRED:

LINE OF CREDIT REQUIRED:

TRIPARTY AGREEMENT REQUIRED:

OPERATOR REQUIRED:

SPECIFIC CONSTRUCTION AUTHORIZATION REQUIREMENTS:

- System is designed for a 4 bedroom SFD, using 480 gallons per day.
- Repair is a type IIIB system, with a maximum trench depth of 30" and a 0.3 LTAR.
- Site serviced by private well water.
- No cutting, grading, alterations, or utilities in septic area.
- Maintain all required setbacks.
- Any deviation from accepted design must be approved by the consultant and WCES prior to system installation.
- If drain line flags are removed, contact consultant to reflag.
- House has a partial foundation drain.
- All property lines must be fully marked at time of installation or reinspection will be required.
- Please contact Adrienne Holloway at 919-422-3751 or Adrienne.Holloway@wakegov.com with any questions prior to or during installation.

Issued By:

Handwritten signature of Adrienne Holloway in black ink, with the letters 'REHS' written in a separate column to the right of the signature.

Date: 06/05/2020

WAKE COUNTY N.C. P.D.I.
REVISED SITE PLAN

RBPR-034169-2020

WAKE COUNTY N.C. P.D.I.
AS-BUILT SURVEY REQUIRED

SITE PLAN APPROVED BY
WAKE COUNTY N.C. P.D.I.
Nikki McIntyre
05/28/2020 11:50:38 AM

WRP-031718-2020 CA Site Plan

Initial System

1215 sq. ft. Accepted Status System
Gravity to D-box
30" Maximum trench depth
0.3 LTAR
1200 gallon septic tank

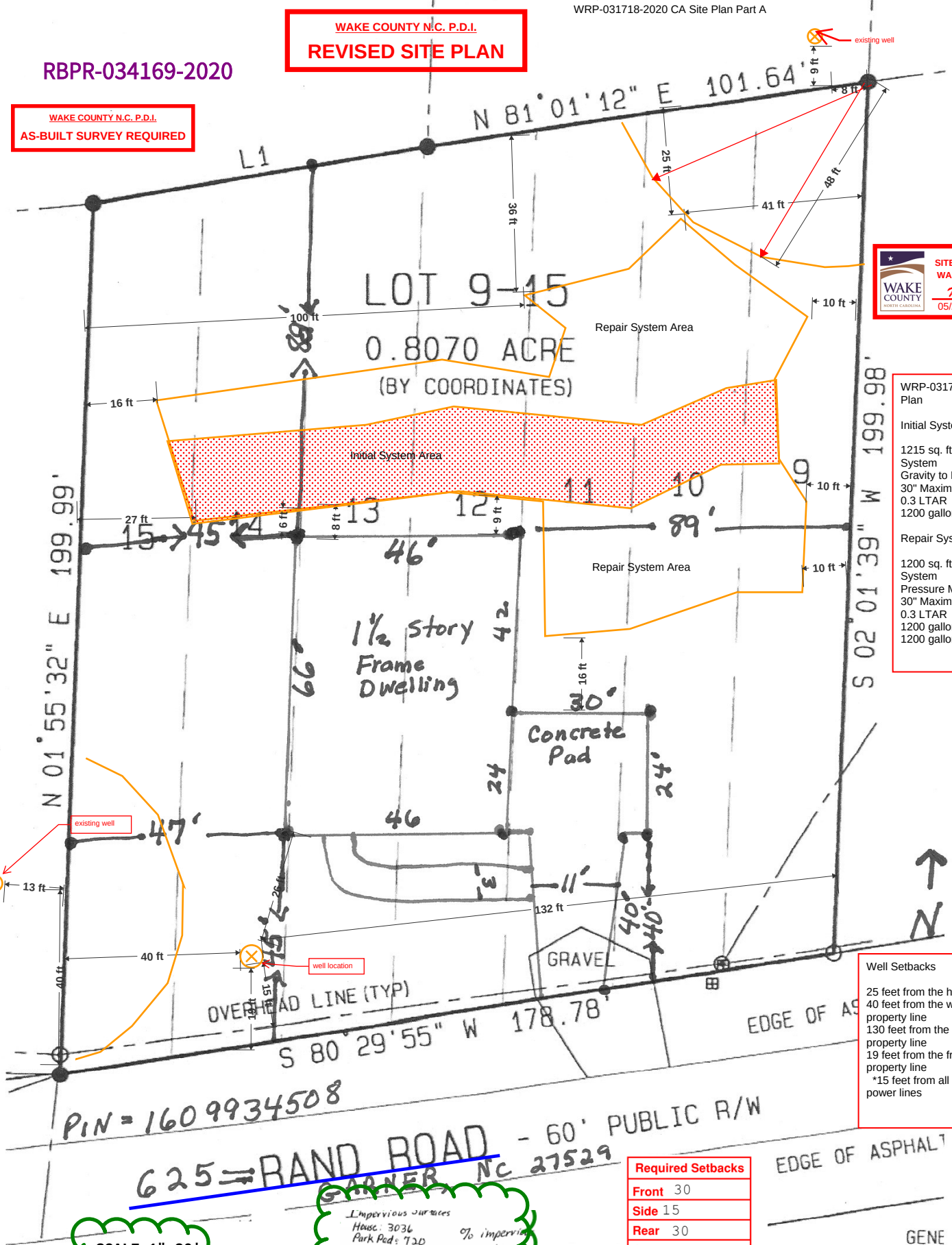
Repair System

1200 sq. ft. Accepted Status System
Pressure Manifold
30" Maximum trench depth
0.3 LTAR
1200 gallon septic tank
1200 gallon pump tank

Well Setbacks

25 feet from the house
40 feet from the west property line
130 feet from the east property line
19 feet from the front property line
*15 feet from all overhead power lines

Required Setbacks	
Front	30
Side	15
Rear	30
Corner	



SCALE 1"=30'

Imperious Surfaces

House: 3036
Park Pad: 720
Driveway: 550
Walkway: 90

4396
sf of lot = 35,280.6

% impervious = .12

PIN = 1609934508

625 RAND ROAD - 60' PUBLIC R/W
GAARER NC 27529

**Engineers and Soil Scientists**

Agri-Waste Technology, Inc.
 501 N. Salem Street, Suite 203
 Apex, North Carolina 27502
 919-859-0669
 www.agriwaste.com

Project Manager **Gary Morehouse** (919) 367-6324 gmorehouse@agriwaste.com

New construction of a 4-bedroom single family residence		Date: 5/18/2020	
		County: Wake	
Name:	<u>Debbie Powell</u> 3201 Medowvista Court Raleigh, NC 27606	P.I.N. #:	1609-93-4508
Phone:	919-741-0042	Property address:	625 Rand Road
		Subdiv:	N/A
		Water supply:	well
		Permit #	WRP-031718-2020
		EHS:	Adrienne Holloway
		Lot#:	9-15 RCMB
DESIGN PARAMETERS		TANKAGE LOCKABLE RISERS RECOMMENDED	
LTAR	0.3 gal/sq.ft/day	SEPTIC TANK	1200 gallons, min. STB-389
# BEDROOMS	4	with filter	
BASEMENT	no	PUMP TANK	1200 gallons, min. add for repair
REPAIR:	pman to accp - see repair tap chart		21.07 gal/in PT-306
DIMENSIONS		TRENCHES	
SQ. FT	1600 conventional	WIDTH	36 inches
LINEAR FT	400 accepted, with 25% reduction	DEPTH	WCDES inches See WCDES Permit
	405 (actual)	TRENCH FILL	accepted media
		STONE DEPTH	n/a inches
		STONE SIZE	n/a or larger
The plans & specs for this Onsite Sewage Treatment & Disposal System have been prepared according to criteria in North Carolina's rules and regulations covering onsite systems, to additional county standards (if applicable), and to generally-accepted design and engineering principles. LTAR's, trench dimensions, and wasteloads are determined or confirmed by the county Health Department (or other soil science professionals) and are included as conditions of the permit. AWT accepts no responsibility for changes in these plans & specs unless we specifically authorize such changes in advance. If changes in specifications or locations of components are needed, please contact us for assistance in making such alterations <i>before</i> the component is installed.			

LOT 9-15

0.8070 ACRE
(BY COORDINATES)

1 1/2 story
Frame
Dwelling

Concrete
Pad

GRAVE

OVERHEAD LINE (TYP)

EDGE OF ASPHALT

EDGE OF ASPHALT

PIN = 160 9934508

625 RAND ROAD - 60' PUBLIC R/W
GARNER, NC 27529

1" = 27'

GENE

Client Information:
Debbie Powell
3201 Medowvista Court
Raleigh, NC 27606

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Property Layout

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G. Morehouse 919-367-6324

DRAWN BY: G. Morehouse

CREATED ON: 5/18/2020

REVISED BY:

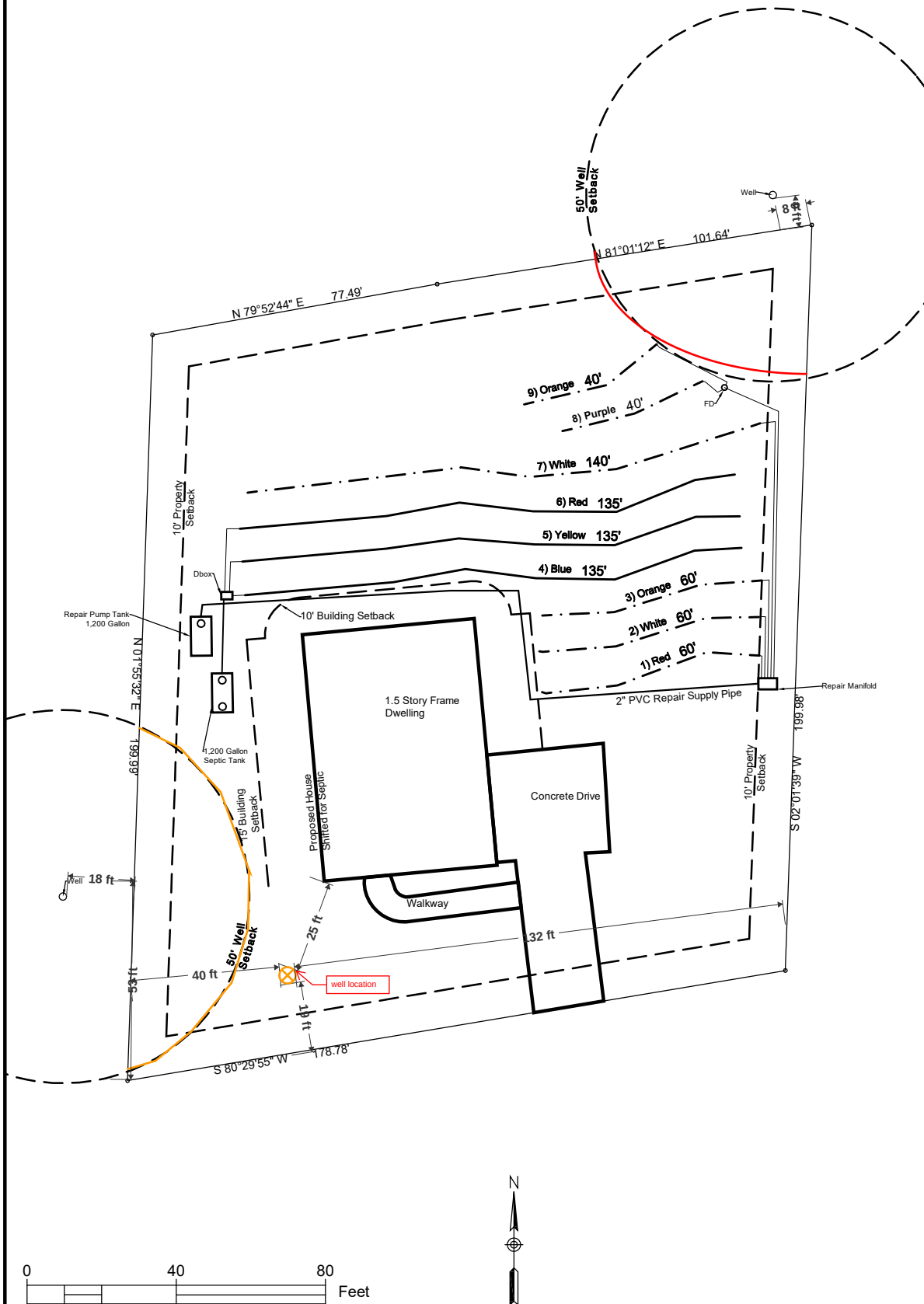
REVISED ON:

RELEASED BY:

RELEASED ON:

DRAWING NUMBER

WW-1



SCALED FOR 8.5" X 11" SHEET



Lot 9-15 RCMB

**MATERIALS LIST
WRP-031718-2020**

This summary of materials includes major components of the system, and is meant to assist the installer in preparing an estimate. It does not include consumable supplies (glue, etc.), exact numbers of fittings, or materials incidental to standard installation. It does not include any specified drainage - curtain drains, etc.

<u>septic tank</u>	1200	gallon	such as Shoaf STB-389
<u>effluent filter</u>	one	Polylok PL-68 or approved equal	
<u>trenches</u>	405	feet, polystyrene aggregate	
<u>distribution box</u>	one		

Initial Gravity



TAP CHART - INITIAL

Permit: WRP-031718-2020
 Address: 625 Rand Road
 Lot: 9-15 RCMB

Bench Mark

is = 93.9

set at

eip, right rear corner

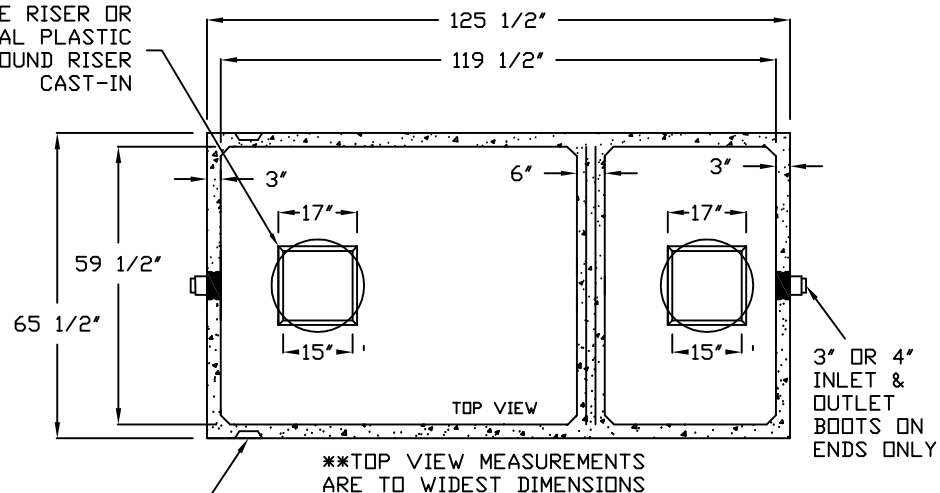
Design Information

Estimated Daily Flow:	480 gal/day
L.T.A.R. (from Wake Co.):	0.3 gal/day/ft ²
L.T.A.R. + 5%:	0.315 gal/day/ft ²
Trench Width:	3 ft.
Line Length Required:	533.3 ft.
Line Length w/ 25% Reduction:	400 ft. (for EZ Flow Product)
L.T.A.R. Reduced:	0.400 gal/day/ft ²
L.T.A.R. Reduced + 5%:	0.420 gal/day/ft ²

DRAINFIELD INFO. - Primary - 4BR				
Proposed Type of System/Distribution: Gravity Distribution using EZ/Flow Product				
line	color	Elevation	available	used
4	blue	98.8	140	135
5	yellow	98.3	140	135
6	red	98.0	142	135
		Total	feet=	405

Note: Line Lengths are in 5 foot increments to reflect use of EZ Flow products

**NOTE-SQUARE
 ACCESS FOR
 CONCRETE RISER OR
 OPTIONAL PLASTIC
 20" ROUND RISER
 CAST-IN



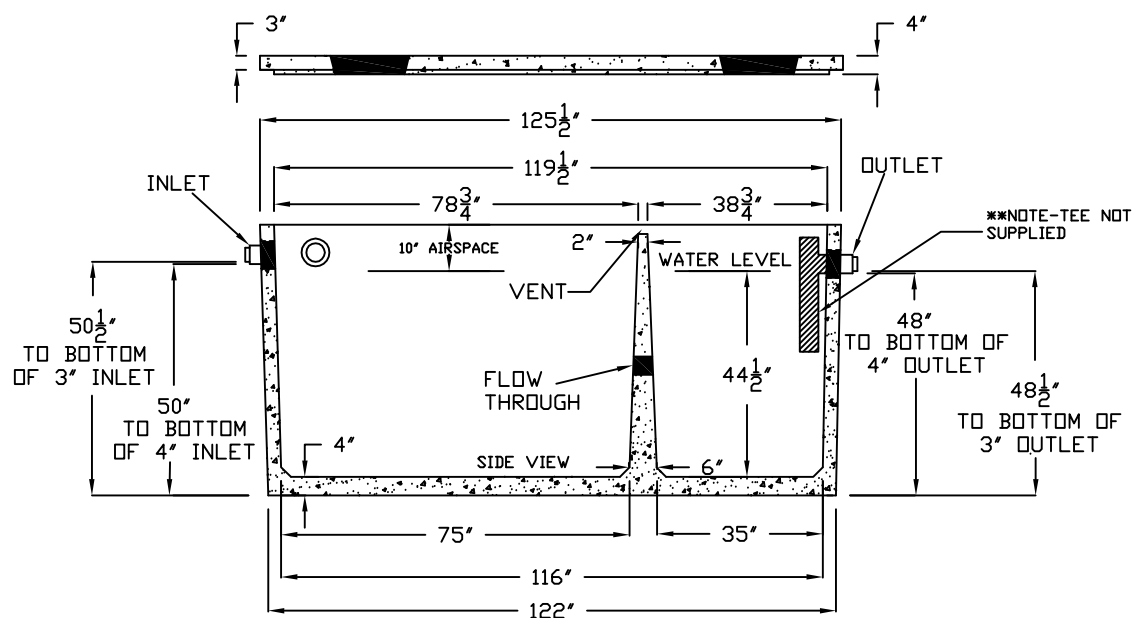
NO BOOTS ON
SIDES INLETS,
USE CONCRETE
KNOCKOUTS

SHOAF PRECAST SEPTIC INC.
4130 WEST US HWY 64
LEXINGTON, NC 27295
PHONE (336) 787-5826
FAX (336) 787-2826

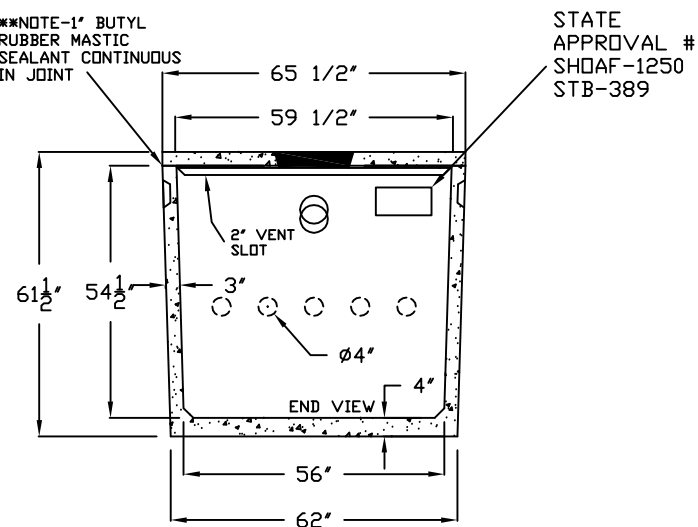
MODEL: TS 1250 STB
NON TRAFFIC
1250 Gallon Septic Tank

WWW.SHDAFPRECAST.COM
SHDAF-1,250 SEPTIC TANK
STB-389
LIQUID CAPACITY-1,252 GALLONS/10" AIRSPACE
TANK HEIGHT-61 $\frac{1}{2}$ "
BOTTOM OF TANK TO CENTER OF INLET-52"
BOTTOM OF TANK TO CENTER OF OUTLET-50"
LENGTH TO WIDTH RATIO-2 TO 1
SIZE OF INLET & OUTLET-3" OR 4" PIPE
TYPE OF INLET & OUTLET-POLYLOCK OR EQUAL (MEETS ASTM C-923)
CONCRETE PSI-4000; TANK WEIGHT- 11,000 LBS.
REINFORCEMENT PER STATE CODE

SCALE - N.T.S.

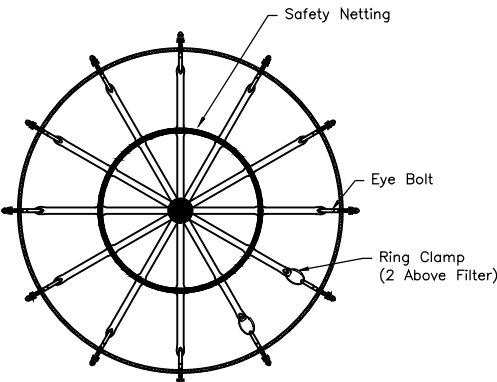
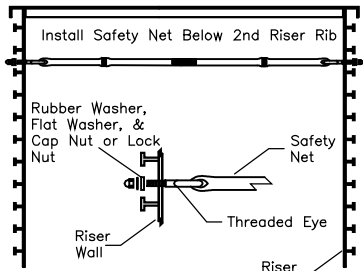


**NOTE-1' BUTYL
 RUBBER MASTIC
 SEALANT CONTINUOUS
 IN JOINT \



STATE
APPROVAL #
SHOAF-1250
STB-389

Install Safety Net In Each Access Riser that does not contain an Inner Lid

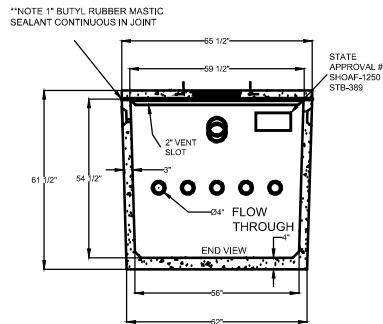
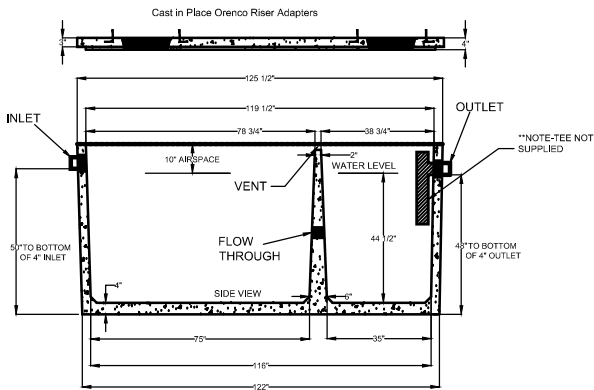
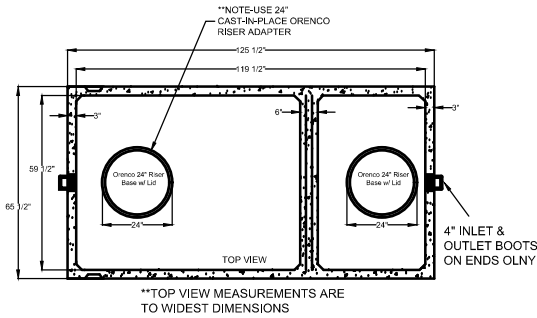


NOTE: Install 4 Ring Clamps if 8" (or greater) Filter is Used

NTS

Safety Net
10-17 N.T.S. SOURCE: Agri-Waste Technology, Inc.

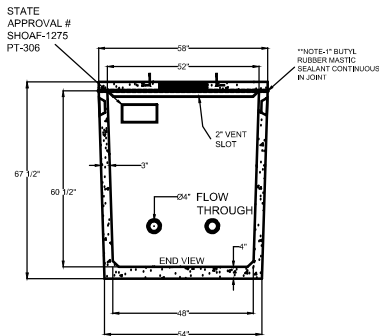
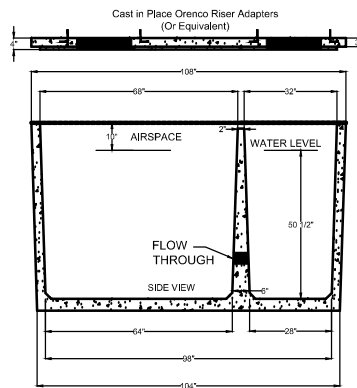
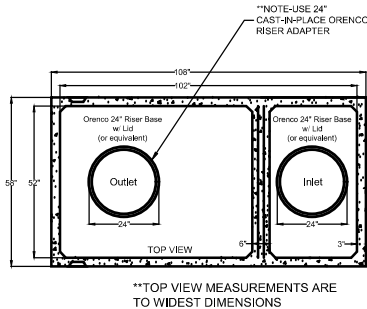
Note:
-Dimensions shown are from a typical septic tank.
Refer to specific manufacturer's cut sheet for dimensions of actual tank used.



NTS

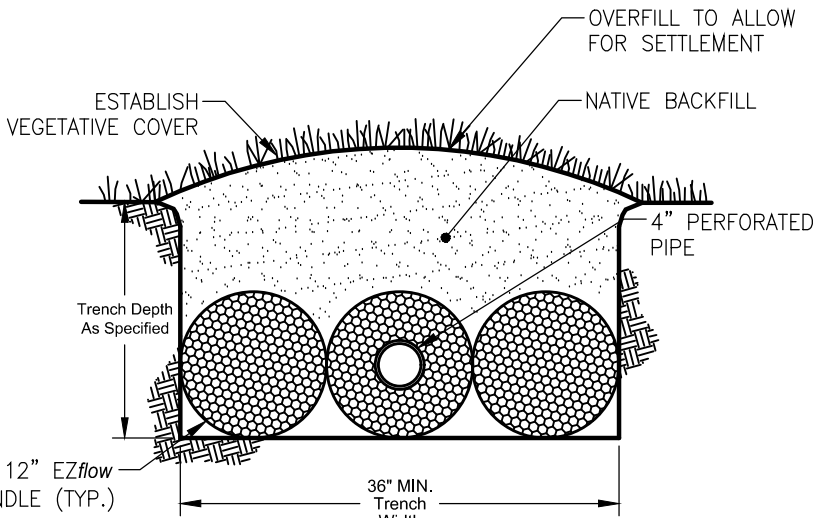
Septic Tank (or equivalent 1,200-gallon tank)
10-17 N.T.S. SOURCE: Shoul Precast Septic, Inc.

Note:
-Dimensions shown are from a typical pump tank.
Refer to specific manufacturer's cut sheet for dimensions of actual tank used.



NTS

Pump Tank (or equivalent 1,200-gallon tank)
10-17 N.T.S. SOURCE: Shoul Precast Septic, Inc.

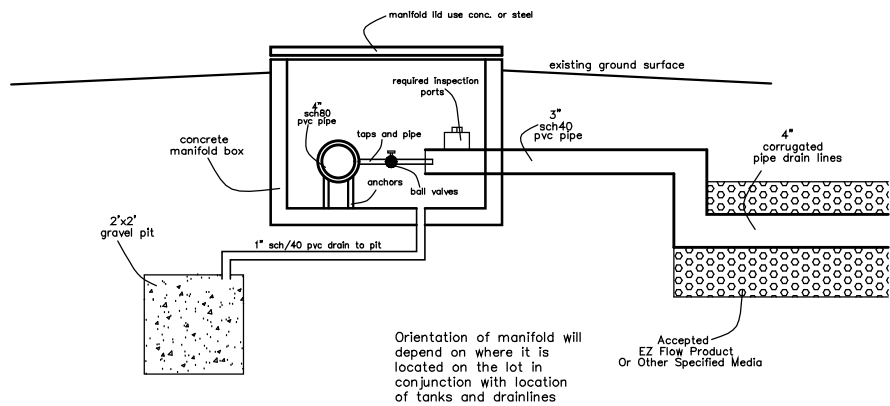


- NOTES:
1. Bundles must be covered with earth backfill free of sticks, stones, or other debris.
 2. Earth Backfill should be mounded above the Natural Ground Surface to allow for settlement.
 3. Perforated corrugated plastic pipe shall meet requirements of ASTM D 2729.
 4. Pipe shall be level, 0.00% slope.
 5. End cap shall be provided at end of all corrugated plastic lines.
 6. Trench bottom shall be level (side to side and end to end).

NTS

Conventional Trench Detail
10-17 N.T.S. SOURCE: Agri-Waste Technology, Inc.

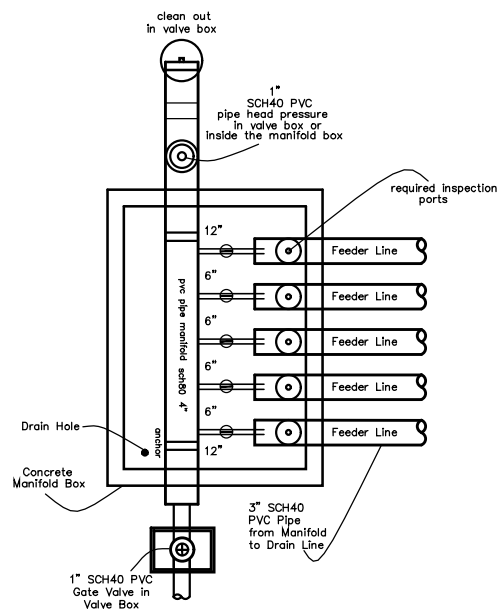
*SEE TAP SHEET FOR ACTUAL NUMBER OF TAPS



Orientation of manifold will depend on where it is located on the lot in conjunction with location of tanks and drainlines

NTS

Manifold Detail - FOR ILLUSTRATION ONLY
10-17 N.T.S. SOURCE: Agri-Waste Technology, Inc.



REV. ISSUED DATE DESCRIPTION

SHEET TITLE
System Detail #1

DRAWN BY: K. Chapman
CREATED ON: 4/16/18
REVISED BY:
REVISED ON:
RELEASED BY:
RELEASED ON:

DRAWING NUMBER

SD-1

PL-68 Filter and Tee

PL-68 is much more than just an effluent filter. The housing can also be used as an inlet baffle (tee) or an outlet baffle. The housing is designed to accept Polylok's snap in gas deflector to deflect gas bubbles away from the tee and to keep the solids in the tank.

Features:

- Offers 68 linear feet of 1/16" filter slots, which significantly extends time between cleaning.
- Accepts 3/4" PVC handle.
- Locks in any 360° position when used with PL-68 Tee.
- PL-68 Housing can be used as an inlet or outlet tee.
- Gasket prevents bypass.

PL-68 Installation:

Ideal for residential waste flows up to 800 gallons per day (GPD). Easily installs in any new or existing 4" outlet tee.

1. Locate the outlet of the septic tank.
2. Remove the tank cover and pump tank if necessary.
3. Glue the filter housing to the outlet pipe, or use a Polylok Extend & Lok if not enough pipe exists.
4. Insert the PL-68 filter into tee.
5. Replace and secure the septic tank cover.

PL-68 Maintenance:

The PL-68 Effluent Filter will operate efficiently for several years under normal conditions before requiring cleaning. It is recommended that the filter be cleaned every time the tank is pumped, or at least every three years.

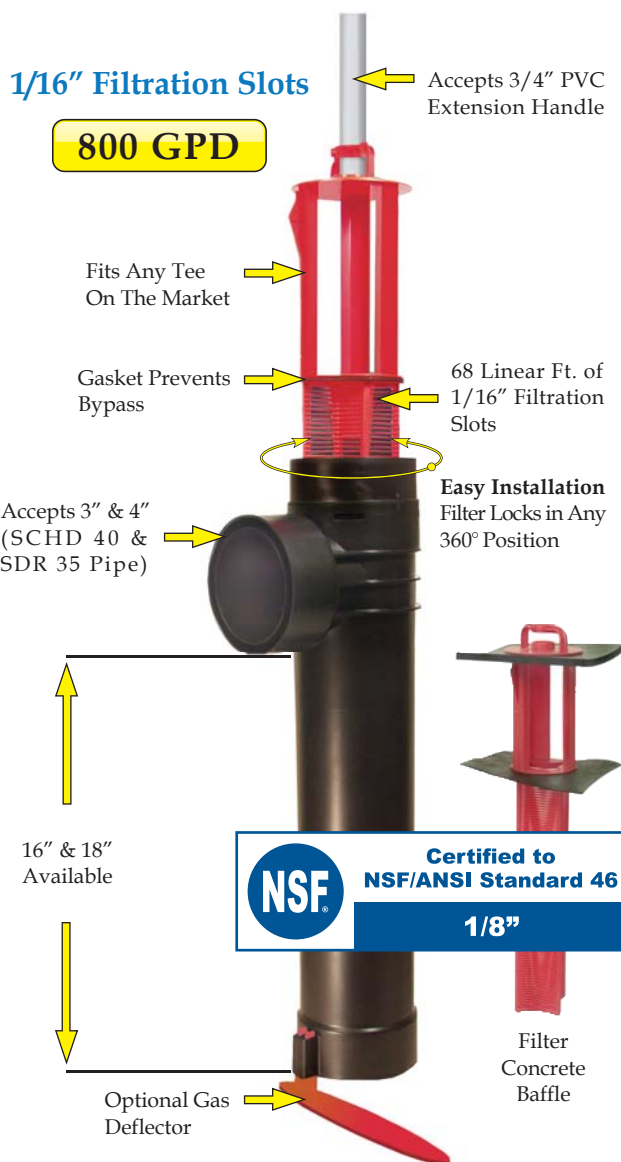
1. Do not use plumbing when filter is removed.
2. Pull PL-68 out of the tee.
3. Hose off filter over the septic tank. Make sure all solids fall back into septic tank.
4. Insert filter back into tee/housing.

Related Products:

PL-68 Filter Concrete Baffle
Extend & LokTM



Extend & LokTM
Easily installs
into existing tanks.



Spacer Bushing
4" SCHD 40
to SDR 35

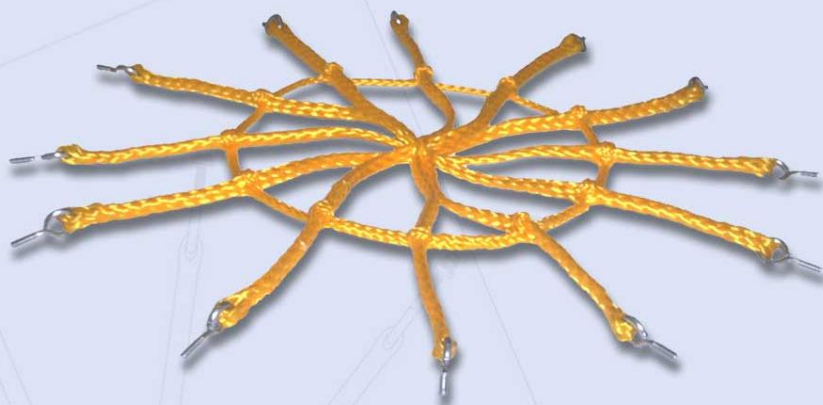


Spacer Bushing
4" SCHD 40
to 110mm Pipe



2" Extender

Install in any riser without an Inner Lid

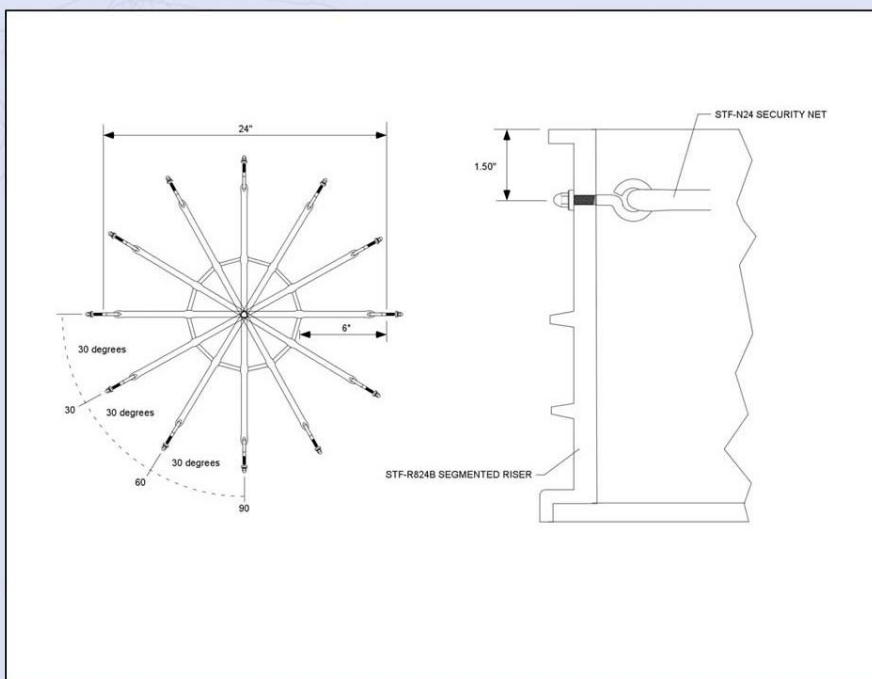


FEATURES

- ❖ Use as a security measure to keep persons, especially children, from accidental entry while systems are being serviced or any other instance where a cover is removed
- ❖ Available to fit 18", 24", and 30" diameter risers
- ❖ Open areas in web are large enough to allow tanks to be pumped without having to remove the security net
- ❖ Installs easily in our segmented riser and others

Order part No. STF-N18
STF-N24
STF-N30

CAD detail drawing available in DXF format



RELATED PRODUCTS

STF-CI24 page 5
STF-APC24G page 6
STF-APC24B page 6
STF-R824B page 9
STF-AR24 page 9
STF-APC24GI-075 page 14
STF-APC24BI-075 page 14
STF-APC24GI-100 page 14
STF-APC24BI-100 page 14
STF-APL24G page 14
STF-APL24B page 14

U.S. Patent Pending



Permit: WRP-031718-2020
Address: 625 Rand Road
Lot: 9-15 RCMB

TAP CHART - REPAIR

Bench Mark is = 93.9 set at eip, right rear corner **Design Head:** 2.00

line	color	Elevation	available	used	tap size	flow/tap	gal/day	trench area	LINE LTAR
1	red	100.0	61	60	1/2" Sch. 80	5.48	72.99	180	0.405
2	white	99.7	62	60	1/2" Sch. 80	5.48	72.99	180	0.405
3	orange	99.3	63	60	1/2" Sch. 80	5.48	72.99	180	0.405
7	white	97.1	143	140	3/4" Sch. 40	12.48	166.22	420	0.396
8	purple	95.0	43	40	1/2" Sch. 40 FD	3.56	47.41	120	0.395
9	orange	94.2	43	40	above	3.56	47.41	120	0.395

total feet= 400 gal/min = 36.04 **LTAR =** 0.300

antisiphon **0.00** **ltar + 5% =** 0.315

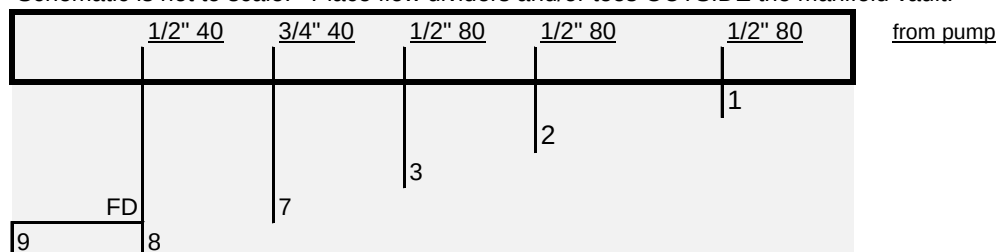
ELEVATIONS: pump tank 99.0 36.04 GPM INNOV. LTAR 0.400
 pump off 94.6 see PT diagram (ltar + 5%) 0.420
 manifold 100.5
 other (such as highest point on supply line, if between pump tank and field)

% PIPE VOLUME 72.93% DESIGN FLOW 480 gpd
 DOSE VOLUME 190 gal PUMP RUN TIME 13.32 min/day
 DOSE PUMP TIME 5.26 min/dose* PUMP TANK GAL/IN 21.07 gal/inch
 DRAWDOWN 9.00 in ELEVATION HEAD 5.88 feet
 SUPPLY LINE LENGTH 180 ft PUMPING UP HILL? y
 DIAMETER 2 inches 2.067
 SUPPLY LINE VELOCITY 3.44 ft/sec

A fitting for setting/adjusting pressure head in the manifold

is required, other than the manifold cleanout

Schematic is not to scale. Place flow dividers and/or tees OUTSIDE the manifold vault.



*If pump run time is less than 5 minutes, specify
 a pump whose manufacturer supports the shorter run time.



Environmental Services

TEL 919 856 7400
FAX 919 856 7407

Water Quality Division
336 Fayetteville St. • P.O. Box 550 • Raleigh, NC 27602
www.wakegov.com/water/

Foundation Drain Request Form

Wastewater Permit: WRP-031718-2020 Building Permit: RBPR-034169-2020

Parcel PIN: 1609934508

Project (Site) Address: 625 Rand Road, Raleigh, NC 27603

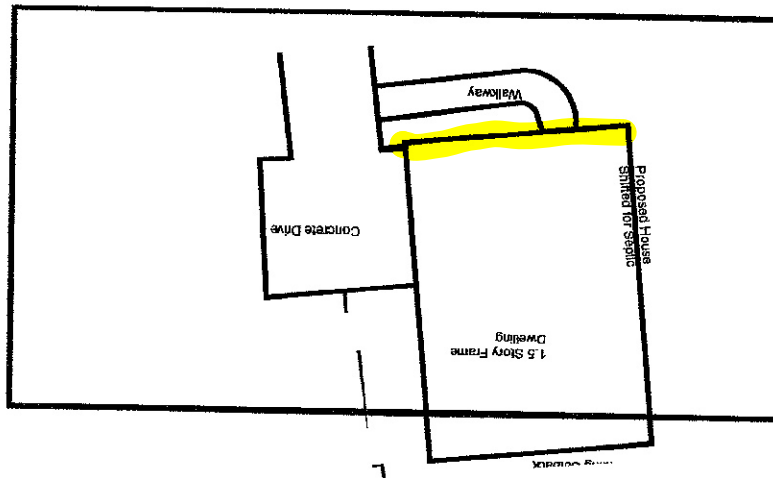
PLEASE CIRCLE:

Foundation Drain? YES NO **PARTIAL (demonstrate below)**

If PARTIAL FOUNDATION DRAIN is circled, please demonstrate where the foundations drain will be located on the diagram below, (add decks, patios, etc. as needed)

Front

Foundation drains allowed in areas highlighted in yellow



Rear

Applicant Signature: Delvin B. Pmull Date: 6-5-2020

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER PERMIT

NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION AUTHORIZATION HAS BEEN ISSUED

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

IMPROVEMENT PERMIT

PERMIT #: WRP-031718-2020

APPLICATION DATE: 01/20/2020

BLDG. PERMIT #: RBPR-034169-2020

PIN: 1609934508

RECORDED: Yes

TOWNSHIP: 15 - Panther Branch

JURISDICTION: Wake County

ZONING: R-40W

APPLICANT: Debbie Powell
3201 Meadowvista Ct

BUSINESS PHONE: (919) 741-0042

HOME PHONE:

MOBILE PHONE:

HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE

EXISTING USE:

SITE ADDRESS: 625 RAND RD

SUBDIVISION: CAP PROPERTIES LLC

LOT: RCMB 9-15

ACRES: 0.81

DIRECTIONS: From Garner, Highway 50 South, Right on Rand Road, property about 1 mile on right..

Permit is subject to revocation if the Site Plan or Plat changes or the intended use changes.

*Maximum depth of line is calculated using the downhill side of the trench and includes slope correction.

IP VALID FOR: Five Years AS PER GS 130A-335 (f)

DESIGNED BY: Gary Morehouse

SYSTEM LAYOUT: Private Sector

SITE CLASSIFICATION: Provisionally Suitable

IP STATUS: Issued

BY: Adrienne Holloway

DATE: 06/05/2020

NUMBER OF BEDROOMS: 4

OR TOTAL NUMBER OF OCCUPANTS: 8

PERMITTED DESIGN FLOW: 480 GPD

BASEMENT: No

BASEMENT PLUMBING: No

WASTEWATER STRENGTH: Domestic

SYSTEM TYPE: III B

LTAR: 0.300

EXISTING SYSTEM UTILIZED:

PRETREATMENT STRENGTH REQUIRED: None

EASEMENT FOR WW SYSTEM ASSOCIATED WITH PARCEL: No

MAXIMUM TRENCH DEPTH: 30 INCHES

PUMP REQUIRED: No

SPECIFIC SYSTEM REQUIREMENTS: -System is designed for a 4 bedroom SFD, using 480 gallons per day.

-Repair is a type IIIB system, with a maximum trench depth of 30 and a 0.3 LTAR.

-Site serviced by private well water.

-No cutting, grading, alterations, or utilities in septic area.

-Maintain all required setbacks.

ISSUED BY:

Abdulla REHS

DATE: 06/05/2020

WAKE COUNTY N.C. P.D.I.
REVISED SITE PLAN

RBPR-034169-2020

WAKE COUNTY N.C. P.D.I.
AS-BUILT SURVEY REQUIRED

SITE PLAN APPROVED BY
WAKE COUNTY N.C. P.D.I.
Nikki McIntyre
05/28/2020 11:50:38 AM

WRP-031718-2020 IP Site Plan
Initial System - Type IIA
Repair System - Type IIIB

Well Setbacks
25 feet from the house
40 feet from the west property line
130 feet from the east property line
19 feet from the front property line
*15 feet from all overhead power lines

Required Setbacks	
Front	30
Side	15
Rear	30
Corner	

SCALE 1"=30'

Imperious Surfaces
House: 3036
Park Pad: 720
Driveway: 550
Walkway: 90
4396
sf of lot = 35,280.6
% impervious = .12

