

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-063022-2021****APPLICATION DATE:** 07/07/2021**BLDG. PERMIT#:** RBPR-063024-2021**PIN:** 0781034394**RECORDED:** Yes**TOWNSHIP:** 18 - Swift Creek**JURISDICTION:** Wake County**ZONING:** R-40W**APPLICANT:** BENJAMIN WARD
1000 DARRINGTON DR**BUSINESS PHONE:** (919) 462-0775**HOME PHONE:****MOBILE PHONE:****HD USE:** 101A CONVENTIONAL ONE-FAMILY HOUSE**EXISTING USE:****SITE ADDRESS:** 2821 SWEETWILL LN**SUBDIVISION:** SANCTUARY AT YATES MILL PH 2**LOT:** 73**ACRES:** 0.69**DIRECTIONS:** Take Walnut Street to Tyron Road. Turn left onto Tyron Road. Turn right onto Yates Mill Road. Turn right onto Theys Road. Turn right onto Milner Drive.

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:** ADCOCK JR, JAMES S - 1902 - 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:** 06/27/2022**SEPTIC TANK:** Mitchell Concrete - STB-382 -
1525 gallons**DATE OF MANUFACTURE:** 01/14/2022**FILTER:** Polylok - PL-68**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:** 2.45**GREASE TRAP ELEVATION:****DOSING PUMP TANK ELEVATION:**

RECIRCULATION TANK ELEVATION:

DISTRIBUTION DEVICE ELEVATION: 4

INSTALLED TRENCH DEPTH	INSTALLED AGGREGATE DEPTH	INSTALLED TRENCH LENGTH	INSTALLED TRENCH BOTTOM ELEVATION
18	12	140	5.45
18	12	140	6.12
18	12	140	6.29

ACTUAL PRESSURE HEAD:

ACTUAL FLOW RATE:

ACTUAL DOSE VOLUME: 0

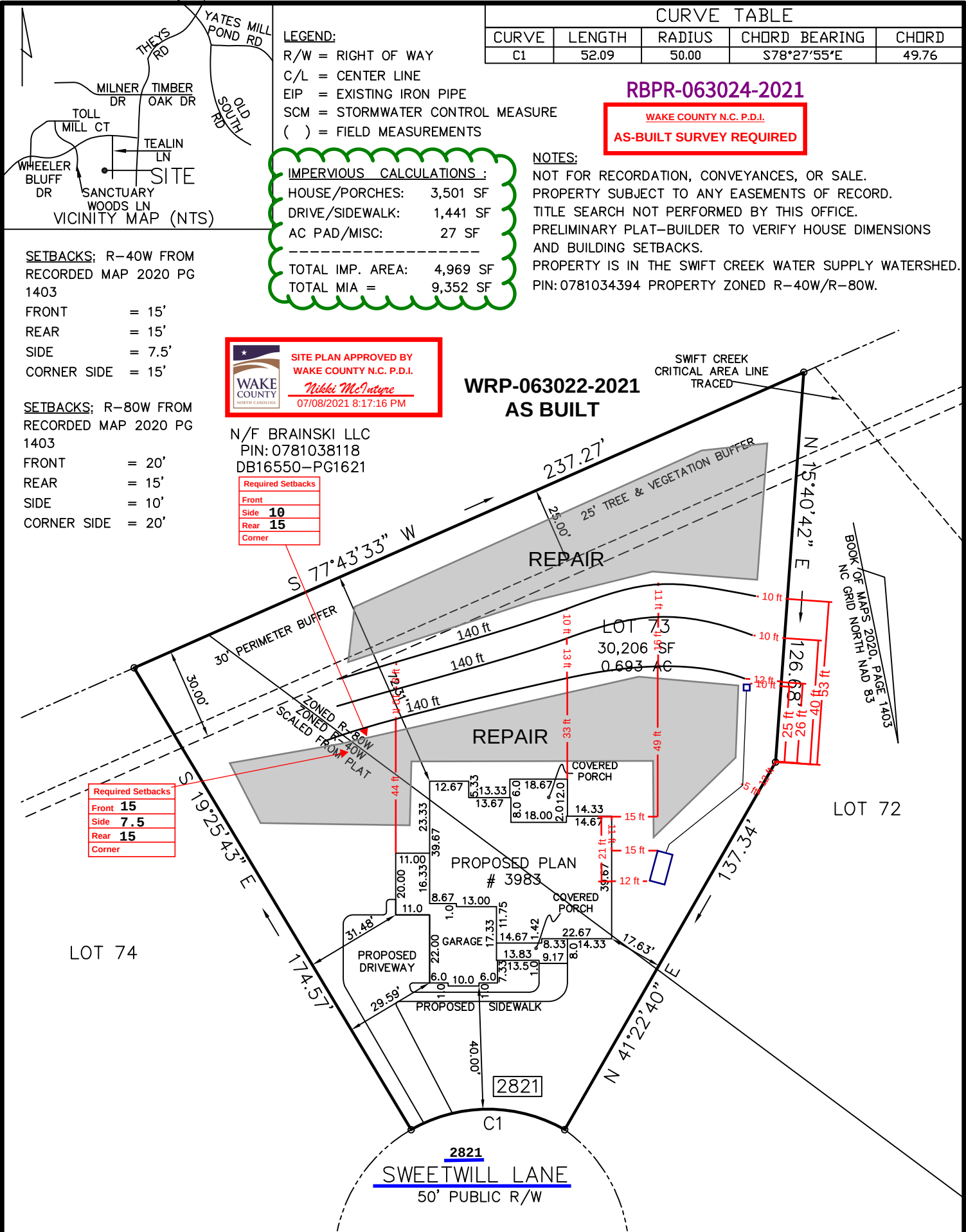
SPECIFIC OPERATION REQUIREMENTS:

- 5 BR SFD, 480 GPD using Engineered Flow Reduction design
- Repair- IIIB, 18" max TD, 0.3 LTAR
- Community well water supply

ISSUED BY:

Caroline Suggs RTHS

DATE: 06/27/2022



THIS PROPERTY IS/IS NOT LOCATED IN AN AREA DESIGNATED AS HAVING SPECIAL FLOOD HAZARDS ACCORDING TO FLOOD INSURANCE RATE MAP #3720073300 J . EFFECTIVE DATE: MAY 2, 2006.

LOT 73 BLOCK SECTION
SUBDIVISION SANCTUARY @ YATES MILL - PH. 2
RECORDED IN BOOK OF MAPS 2020 PAGE 1401-04 WAKE COUNTY REGISTRY

PLOT PLAN
SAW/MW
2021093

I, SONYA A. WARD, HEREBY CERTIFY THAT THIS MAP IS CORRECT, THAT THE BUILDINGS LIE WHOLLY ON THE LOT, AND THAT THERE ARE NO ENCROACHMENTS OF OTHER BUILDINGS ON THE SAID LOT, EXCEPT AS SHOWN ON SURVEY.

SURVEY FOR:
RAINBROOK BUILDERS LLC
SWIFT CREEK TOWNSHIP WAKE COUNTY NC

SCALE: 1"=40'
DATE: 05/28/2021
BOOK #:

WARD SURVEYING SERVICES, PLLC
LAND SURVEYING & PLANNING
APEX, N.C. (919) 367-7858

BOOK: 018981 PAGE: 00983 - 00983

ALTERNATIVE SEWAGE DISPOSAL SYSTEM MAINTENANCE SCHEDULE

To Be Recorded In The Register Of Deed's Office In Wake County.

Owner/Grantor Rainbrook Builders LLC Deedbook and Page 3020 Page 1403
 PIN No. 0781034394 Date Installed 3-29-22
 Subdivision Name Sanctuary@Yates Mill Lot No. 73
 System Designed by Central Carolina Soil Consulting Installer Adcock Excavating LLC

AN ALTERNATIVE OR NON-TRADITIONAL SEWAGE DISPOSAL SYSTEM HAS BEEN INSTALLED ON THIS PROPERTY.

The design specifications and locations for alternative sewage disposal systems are specified or authorized in Regulations Governing Wastewater Treatment and Dispersal in Wake County effective November 21, 1988, amended effective June 25, 2020.

As A Condition Of Issuance Of This Improvements/Operation Permit, The Property Owner Hereby Grants The Wake County Department Of Environmental Services A Right Of Access To The System During Regular Working Hours For Purposes Of Monitoring Compliance With State And Local Regulations, Recorded Maintenance Agreements And Certified Operator Compliance.

This permit requires the use of **gravity flow to a mode of subsurface wastewater dispersal**. Experience and study have shown that systems require routine maintenance in order to function satisfactorily. In as much as each system must be individually designed and sited, special maintenance requirements may apply to a specific installation; however, the following maintenance schedule is applicable to all pre-treatment systems. For additional information, technical assistance or if a malfunction of the system occurs, contact the Wake County Department of Environmental Services, Telephone: (919) 856-7400.

<u>System Component</u>	<u>Frequency</u>	<u>Maintenance</u>
1. Septic Tank	6-12 months	Check riser condition (must be accessible from ground surface), excess in/exfiltration, entry of water at riser, and solids accumulation.
	1-3 years	Pump seepage.
2. Pump/Dosing Tank	6-12 months	For future repair system if needed. Check riser conditions (must be accessible from ground surface), excess in/exfiltration, entry of water at riser, and solids accumulation. Pump sludge accumulation as required and when septic tank is pumped. Check pump(s), controls, floats, electrical connections, and alarm for proper operation. Wash (hose) sludge accumulation from pump housing.
3. Supply lines	6-12 months	Check for settling, pipe exposure and leakage. Includes Distribution Box.
4. Drain Field(s)	1-4 weeks	Maintain vegetative cover (mow grass and remove weeds and brush).
	6-12 months	Check for settling, erosion and surfacing of effluent. Check distribution box for damage, unequal flow distribution. Check site drainage, eliminate low or settled areas and divert surface or shallow groundwater movement around fields.
5. General	At all times	Prohibit vehicular or equipment traffic on ground absorption field. Prohibit tillage (gardening) or other soil disturbance over ground absorption field. Practice water conservation to reduce waste water load on system. Do no permit entry or grease and non-domestic waste to system. Use of a garbage disposal is <u>prohibited</u> . Addition of chemical or biological additives has <u>not</u> been demonstrated to be necessary to maintain proper system function. Prevention of root intervention on lateral lines and trenches may be necessary on certain sites. Surface and groundwater diversion structures must be maintained. <u>Adherence to permitted flow rate.</u>

This system is permitted under S.L. 2014-120 for engineer flow reduction utilizing low flow fixtures and technologies, all of which must remain in use for the life of the applicable system. Neither the State nor any local government shall be liable for any damages by a system approved or permitted pursuant to this section.

Rainbrook Builders, LLC

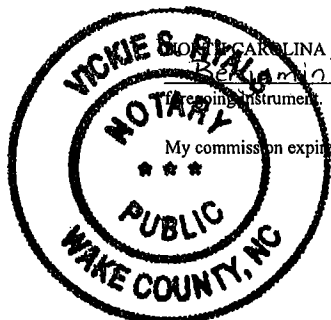
Benjamin Kyle Ward

Signature of Property Owner

4-1-22

Date

**Benjamin Kyle Ward. Member/
Manager of Rainbrook Builders
LLC**



WAKE COUNTY, NC, I, a Notary Public of the County and State aforesaid, certify that
Benjamin Kyle Ward Owner, Personally appeared before me this day and acknowledged the execution of the
 foregoing instrument. Witness my hand and official stamp or seal, this 1st day of April 2022.
 My commission expires 5/23/26 Notary Public Vickie S. Ryals

submitted electronically by "Robert A. Brady, Attorney at Law"
 in compliance with North Carolina statutes governing recordable documents
 and the terms of the submitter agreement with the Wake County Register of Deeds.



Environmental Services

TEL 919 856 7400
FAX 919 856 7407

Water Quality Division
336 Fayetteville St. • P.O. Box 550 • Raleigh, NC 27602

8/31/2021

REQUIREMENTS TO COMPLETE YOUR ENGINEERED FLOW REDUCTION SYSTEM

NAME: Benjamin Ward
ADDRESS: 1000 Darrington Dr. Cary, NC 27513
Re: Engineered Flow Reduction System
SEPTIC PERMIT: WRP-063022-2021
PIN: 781 03 4394
Building Permit: RBPR-063024-2021
Property Description: Sanctuary at Yates Mill Ph. 2 Lot 73, 0.69 Ac.

Dear Sir/Madam:

Enclosed is your approved Engineer Flow Reduction plan as permitted under Session Law 2014-120 Section 53, and the "Engineer Flow Reduction Sewage Disposal System Maintenance Information Sheet".
"Neither the State nor local health department shall be liable for any damages caused by an engineered system approved or permitted pursuant to Session Law 2014-120 Section 53."

To complete your permit:

- **System Installation** - A contractor **CERTIFIED** by the State of North Carolina and **REGISTERED** in Wake County, must be used to install your system, if applicable.
- **System Components** - All portions of the engineered design plans shall be completed using only materials specified in the engineered design plans.
- **Engineer Certification** - The engineer must certify that the design plans have been completed to the specifications in the approved design, and provide an engineer certification letter to Wake County that is SEALED, SIGNED, AND DATED stating as much.
- **Alternative Sewage Disposal System Maintenance Schedule** - this document must be signed, notarized and recorded at the Wake County Register of Deeds Office. A copy of the recorded document must be submitted to Wake County before your permit can be finalized.

A copy of the "Wake County Well and Septic System Owner's Guide", which contain information essential to the long-term performance of this wastewater disposal system, must be forwarded to the owner or user of the system, if other than yourself.

ANY PROPOSED MODIFICATION TO THE APPROVED PLANS MUST BE COORDINATED WITH YOUR DESIGN ENGINEER.

Please call (919) 868-2560 or email at alan.alcock@wakegov.com if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Alan Alcock".

Alan Alcock, REHS
Environmental Health Manager

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WASTEWATER PERMIT

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

CONSTRUCTION AUTHORIZATION PERMIT

PERMIT # WRP-063022-2021

APPLICATION DATE: 07/07/2021

BLDG. PERMIT#: RBPR-063024-2021

PIN: 0781034394

RECORDED: Yes

TOWNSHIP: 18 - Swift Creek

JURISDICTION: Wake County

ZONING:

APPLICANT: BENJAMIN WARD

1000 DARRINGTON DR
CARY, NC 27513

BUSINESS PHONE: (919) 462-0775

HOME PHONE:

MOBILE PHONE:

HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE

EXISTING USE:

SITE ADDRESS: 2821 SWEETWILL LN

SUBDIVISION: SANCTUARY AT YATES MILL PH2

LOT: 73

ACRES: 0.69

DIRECTIONS: Take Walnut Street to Tyron Road. Turn left onto Tyron Road. Turn right onto Yates Mill Road. Turn right onto Theys Road. Turn right onto Milner Drive.

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: Alan Alcock

DATE: 08/31/2021

CA VALID FOR: Five Years

DESIGN FLOW: 480 GALLONS

BASEMENT: No

BASEMENT FIXTURES: No

SEPTIC TANK: 1500 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: 1,260

AGGREGATE DEPTH: 12

MAX. TRENCH DEPTH: 18 INCHES

DISTRIBUTION DEVICE: GP - Gravity Parallel

TRENCH #: 3

TRENCH LENGTH: 140 FEET

TRENCH WIDTH: 36 INCHES

TOTAL TRENCH LENGTH: 420 FEET

CENTER SPACING: 9 FEET

MINIMUM SOIL COVER: 6 INCHES

PRETREATMENT:

SUBFIELDS #:

PUMP TDH:

APPROVAL #:

PUMP DESIGN FLOW:

ZONE VALVE: No

ASDMS REQUIRED: Yes

LINE OF CREDIT REQUIRED: No

OPERATOR REQUIRED: No

P.E. SIGN OFF/ASBUILT REQUIRED: Yes

TRIPARTY AGREEMENT REQUIRED: No

SPECIFIC CONSTRUCTION AUTHORIZATION REQUIREMENTS:

THIS PERMIT IS FOR FIVE (5) BEDROOM DWELLING WITH 480 GALLONS DAILY FLOW USING ENGINEERED FLOW REDUCTION. INITIAL SYSTEM IS AN EQUAL LINE GRAVITY SYSTEM TO 3 DRAINLINES WITH 18" TRENCH BOTTOM. REPAIR SYSTEM IS AN UNEQUAL LINE LENGTH PRESSURE MANIFOLD WITH 18" TRENCH BOTTOM. 1500 GALLON SEPTIC TANK REQUIRED. 1500 GALLON PUMP TANK REQUIRED FOR REPAIR. WHEN INSTALLING SYSTEM, MAINTAIN ALL REQUIRED SETBACKS. DO NOT DISTURB OR REMOVE ANY SOIL IN INITIAL OR REPAIR AREAS. IF FLAGS ARE MISSING, CALL DESIGNER TO RE-FLAG. THIS SYSTEM IS DESIGNED BY A CONSULTANT AND MUST BE INSTALLED PER THE DESIGN, INCLUDING THE USE OF THE MATERIALS SPECIFIED IN THE DESIGN. ANY DEVIATION MUST BE APPROVED BY THE DESIGNER OR WAKE COUNTY ENVIRONMENTAL SERVICES PRIOR TO SYSTEM INSTALLATION.

NEITHER THE STATE NOR LOCAL HEALTH DEPARTMENT SHALL BE LIABLE FOR ANY DAMAGES CAUSED BY AN ENGINEERED SYSTEM APPROVED OR PERMITTED PURSUANT TO SESSION LAW 2014-120 SECTION 53. ALTERNATIVE SEWAGE DISPOSAL SYSTEM MAINTENANCE SCHEDULE MUST BE SIGNED, NOTARIZED AND RECORDED AT THE WAKE COUNTY REGISTER OF DEEDS OFFICE. ENGINEER CERTIFICATION OF REQUIRED FIXTURE INSTALLATION IS REQUIRED PRIOR TO ISSUANCE OF 5 BEDROOM OPERATION PERMIT. PLEASE CONTACT ENVIRONMENTAL SERVICES IF ANY QUESTIONS OR PROBLEMS ARISE PRIOR TO INSTALLATION.

Issued By:



Date: 08/31/2021

HOMEOWNER GUIDE FOR UTILIZATION AND MAINTENANCE OF ON-SITE WASTEWATER DISPOSAL SYSTEMS

What is an On-site Wastewater Disposal System?

There are a number of different types of on-site wastewater disposal systems each designed for a specific set of site conditions. However, there are several system components that are common to most systems. These include the following:

1. A septic tank - a concrete tank that is designed to receive wastewater from the house and to provide a degree of pretreatment for the waste, chiefly through removal of some of the solids in the waste. Note that these solids accumulate over time and necessitate periodic pumping of the septic tank. Currently septic tanks are equipped with two access risers (normally constructed of concrete), which are designed to be at least 6 inches above the ground surface to prevent surface and shallow groundwater from entering the septic tank and to provide access for maintenance. **Care must be taken not to damage or cover these risers so that water inflow / infiltration can be prevented and the tank can be accessed for maintenance.**
2. In some installations, a pump tank - a concrete tank, very similar to the septic tank, which contains a pump along with the associated controls / componentry. The pump tank and pump is designed to receive effluent from the septic tank, and pump the effluent to a disposal field located at a higher elevation and/or to a pressurized distribution network in the disposal field. **The pump tank also has an access riser which must be protected in a similar manner to that indicated for the septic tank.** Servicing of the pump tank components often necessitates the assistance of a professional such as a septic tank installer or Certified Subsurface System Operator. The latter is required for operation and maintenance of certain types of systems.
3. A disposal field - a series of subsurface trenches and lines that are designed to distribute the effluent into the soil and provide for the ultimate treatment and disposal of the effluent. There are numerous variations on the design of the disposal field, related chiefly to the type of system chosen, site constraints, etc. Dependent on the type of disposal system, you may have to maintain a contract with a Certified Subsurface System Operator for operation and maintenance of your wastewater disposal system.

Utilization of Your Wastewater Disposal System

In order to obtain the maximum efficiency and life expectancy from your system, the following simple procedures must be adhered to:

1. **Practice water conservation.** This can include many practical considerations such as not leaving the water running while you brush your teeth, not overfilling the tub, limiting time in the shower, not replacing low flow fixtures with those of higher flows, over rinsing dishes (allow the dishwasher to do its job), immediate repair of any leaking fixtures, running washing machines and dishwashers only when full, etc.

NOTE: Washing machines generate significant volumes of wastewater. As a result, laundry activities should be spread over the week as opposed to accumulating all of laundry until the weekend.

2. **Do not utilize your wastewater disposal system as a trash can by dumping nondegradables down your drains or toilet.** These include cigarette butts, sanitary products, grease, plastics, disposable diapers, etc. Avoid use of garbage disposals. Do not retrofit garbage disposals unless the system is specifically permitted for their use. Also, do not dump harmful chemicals down the drain. These include petroleum products, paint, paint thinner, pesticides, antifreeze, etc.

Maintenance of Your Wastewater Disposal System

Every wastewater disposal system requires maintenance in order to function properly. The specific maintenance required is related to the type of system. The following are general considerations that apply to all systems.

1. **Protect your wastewater disposal system components including the tanks, access risers, disposal field and associated components.** Do not drive or park on any portion of the system. The area over the disposal field should be left undisturbed with the grass cover being maintained as you would your lawn. Location of trees and shrubs on or in close proximity to the disposal field is not recommended since roots may clog or damage your drain lines. Additionally, great care must be exercised when considering the addition of any structure(s) to the site. The location of any appurtenances cannot encroach on the installation or repair areas for your system. It is not recommended that irrigation systems be located in proximity to the disposal system since their construction can cause system damage and/or result in additional hydraulic load on the disposal field.
2. **Protect the system from excess surface and shallow groundwater.** The land surface on and around the wastewater disposal system should be landscaped to shed rainfall and runoff and prevent ponding. Be sure that foundation drains, runoff from roofs and drives, etc. are diverted away from the disposal system.
3. **Regularly have the septic tank / pump tank pumped and cleaned by a permitted septage hauler.** Although the necessary frequency of pumping varies with the household and system, most tanks need **pumping at a frequency of 3-5 years** and at any time solids occupy one-fourth to one-third of the septic tank liquid depth.

Note that all septic tanks being currently installed incorporate an effluent filter within the outlet compartment of the septic tank. This filter is to be cleaned anytime the septic tank is pumped. If plumbing becomes sluggish, this filter should be checked. If filter service is found to be necessary, the tank is to be pumped, the filter cleaned and the filter reinstalled.

4. **Be alert to warning signs that your system may not be functioning properly.**
These include sewage surfacing over the disposal system, sewage backups / slow draining in the house, lush growth over the disposal system, sewage odors, etc.
5. **Do not make or allow repairs to your system unless all necessary permits are obtained from Wake County Department of Environmental Services.**
6. **Commercial additives for septic tank systems** - It has generally not been demonstrated that these additives enhance the function of septic systems or reduce the need for tank pumping and other necessary maintenance.
7. **Special maintenance considerations** - As already alluded to, some of the more complex wastewater disposal systems require that you retain / maintain the services of a Certified Wastewater System Operator in order to comply with Laws and Rules and maintain a valid operation permit for your system. In Wake County this maintenance requirement should be recorded with Register of Deeds if applicable.

Where Do I Obtain Information and Assistance?

If you are purchasing a new home, you should request a copy of your wastewater system permit from the builder / seller along with information regarding any special maintenance requirements. You may also obtain information and assistance from the **Wake County Department of Environmental Services**, 336 Fayetteville Street Mall, Raleigh, NC, Telephone (919) 856-7400. Additional information is also available on Wake County's [Septic and Wastewater Management](#) webpage.

BSM 3/9/21

ALTERNATIVE SEWAGE DISPOSAL SYSTEM MAINTENANCE SCHEDULE

To Be Recorded In The Register Of Deed’s Office In Wake County.

Owner/Grantor _____ Deedbook and Page _____
PIN No. _____ Date Installed _____
Subdivision Name _____ Lot No. _____
System Designed by _____ Installer _____

AN ALTERNATIVE OR NON-TRADITIONAL SEWAGE DISPOSAL SYSTEM HAS BEEN INSTALLED ON THIS PROPERTY.

The design specifications and locations for alternative sewage disposal systems are specified or authorized in Regulations Governing Wasterwater Treatment and Dispersal in Wake County effective November 21, 1988, amended effective June 25, 2020.

As A Condition Of Issuance Of This Improvements/Operation Permit, The Property Owner Hereby Grants The Wake County Department Of Environmental Services A Right Of Access To The System During Regular Working Hours For Purposes Of Monitoring Compliance With State And Local Regulations, Recorded Maintenance Agreements And Certified Operator Compliance.

This permit requires the use of gravity flow to a mode of subsurface wastewater dispersal. Experience and study have shown that systems require routine maintenance in order to function satisfactorily. In as much as each system must be individually designed and sited, special maintenance requirements may apply to a specific installation; however, the following maintenance schedule is applicable to all pre-treatment systems. For additional information, technical assistance or if a malfunction of the system occurs, contact the Wake County Department of Environmental Services, Telephone: (919) 856-7400.

<u>System Component</u>	<u>Frequency</u>	<u>Maintenance</u>
1. Septic Tank	6-12 months	Check riser condition (must be accessible from ground surface), excess in/exfiltration, entry of water at riser, and solids accumulation.
	1-3 years	Pump septage.
2. Pump/Dosing Tank	6-12 months	For future repair system if needed. Check riser conditions (must be accessible from ground surface), excess in/exfiltration, entry of water at riser, and solids accumulation. Pump sludge accumulation as required and when septic tank is pumped. Check pump(s), controls, floats, electrical connections, and alarm for proper operation. Wash (hose) sludge accumulation from pump housing.
3. Supply lines	6-12 months	Check for settling, pipe exposure and leakage. Includes Distribution Box.
4. Drain Field(s)	1-4 weeks	Maintain vegetative cover (mow grass and remove weeds and brush).
	6-12 months	Check for settling, erosion and surfacing of effluent. Check distribution box for damage, unequal flow distribution. Check site drainage, eliminate low or settled areas and divert surface or shallow groundwater movement around fields.
5. General	At all times	Prohibit vehicular or equipment traffic on ground absorption field. Prohibit tillage (gardening) or other soil disturbance over ground absorption field. Practice water conservation to reduce waste water load on system. Do no permit entry or grease and non-domestic waste to system. Use of a garbage disposal is prohibited. Addition of chemical or biological additives has not been demonstrated to be necessary to maintain proper system function. Prevention of root intervention on lateral lines and trenches may be necessary on certain sites. Surface and groundwater diversion structures must be maintained. Adherence to permitted flow rate.

This system is permitted under S.L. 2014-120 for engineer flow reduction utilizing low flow fixtures and technologies, all of which must remain in use for the life of the applicable system. Neither the State nor any local government shall be liable for any damages by a system approved or permitted pursuant to this section.

Signature of Property Owner

Date

NORTH CAROLINA _____ County. I, a Notary Public of the County and State aforesaid, certify that _____ Owner, Personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this ____ day of _____ 20____.

My commission expires _____ Notary Public _____

NOTICE

PROTECTION OF WASTEWATER DISPOSAL AREAS

AREAS DESIGNATED FOR INSTALLATION AND REPAIR OF WASTEWATER DISPOSAL SYSTEMS ON WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES PERMITS MUST BE PROTECTED FROM ALL LAND DISTURBING ACTIVITIES.

PROHIBITED ACTIVITIES (NOT ASSOCIATED WITH THE INSTALLATION OF THE WASTEWATER DISPOSAL SYSTEM) INCLUDE BUT MAY NOT BE LIMITED TO:

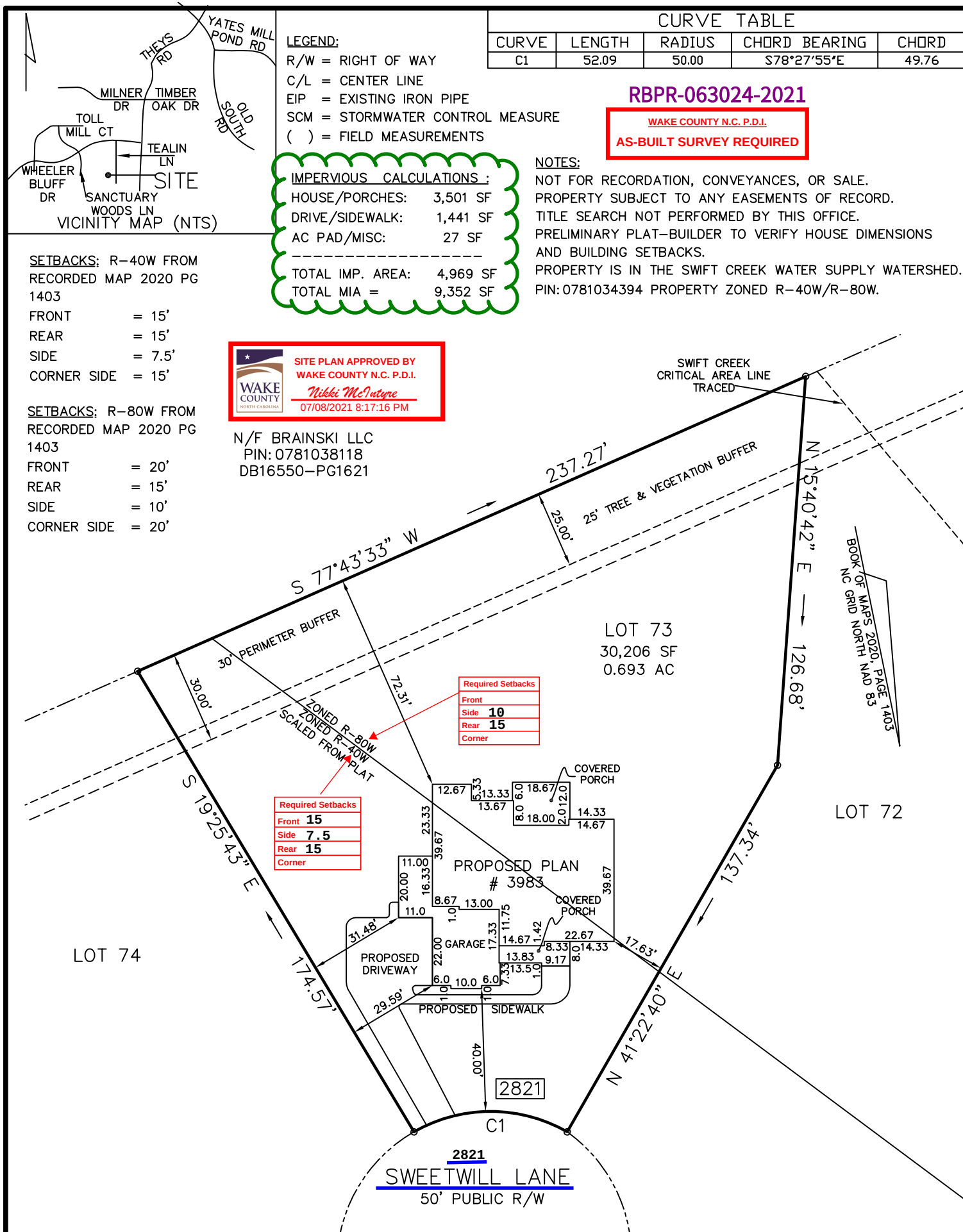
- **CLEARING**
- **EXCAVATION**
- **FILLING**
- **GRADING**
- **STORAGE OF BUILDING MATERIALS**
- **VEHICLE OR EQUIPMENT TRAFFIC**

THE PERMITTEE IS ADVISED TO CLEARLY FLAG OR FENCE THESE AREAS DURING CONSTRUCTION TO PREVENT UNAUTHORIZED ACTIVITIES.

FAILURE TO PROTECT WASTEWATER DISPOSAL AREAS WILL LIKELY RESULT IN VOIDING OF PERMITS AND LOSS OF ABILITY TO UTILIZE THE SITE FOR THE DESIRED PURPOSE.

IF YOU HAVE A QUESTION REGARDING ANY OF THE AFOREMENTIONED ACTIVITIES, CALL WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES (856-7400) BEFORE YOU ACT.

CA Part A



~~THIS PROPERTY IS NOT LOCATED IN AN AREA DESIGNATED AS HAVING SPECIAL FLOOD HAZARDS ACCORDING TO FLOOD INSURANCE RATE MAP #3720073300 J . EFFECTIVE DATE: MAY 2, 2006.~~

LOT 73	BLOCK	SECTION
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SUBDIVISION SANCTUARY @ YATES MILL - PH. 2

RECORDED IN BOOK OF MAPS 2020 PAGE 1401-04 WAKE COUNTY REGISTRY

PLOT PLAN

SAW/MW
2021093

~~SONYA A. WARD, HEREBY CERTIFY THAT THIS MAP IS CORRECT, THAT THE BUILDINGS LIE WHOLLY ON THE LOT, AND THAT THERE ARE NO ENCROACHMENTS OF OTHER BUILDINGS ON THE SAID LOT, EXCEPT AS SHOWN ON SURVEY.~~

SURVEY FOR:

RAINBROOK BUILDERS LLC

SWIFT CREEK TOWNSHIP

WAKE COUNTY

NC

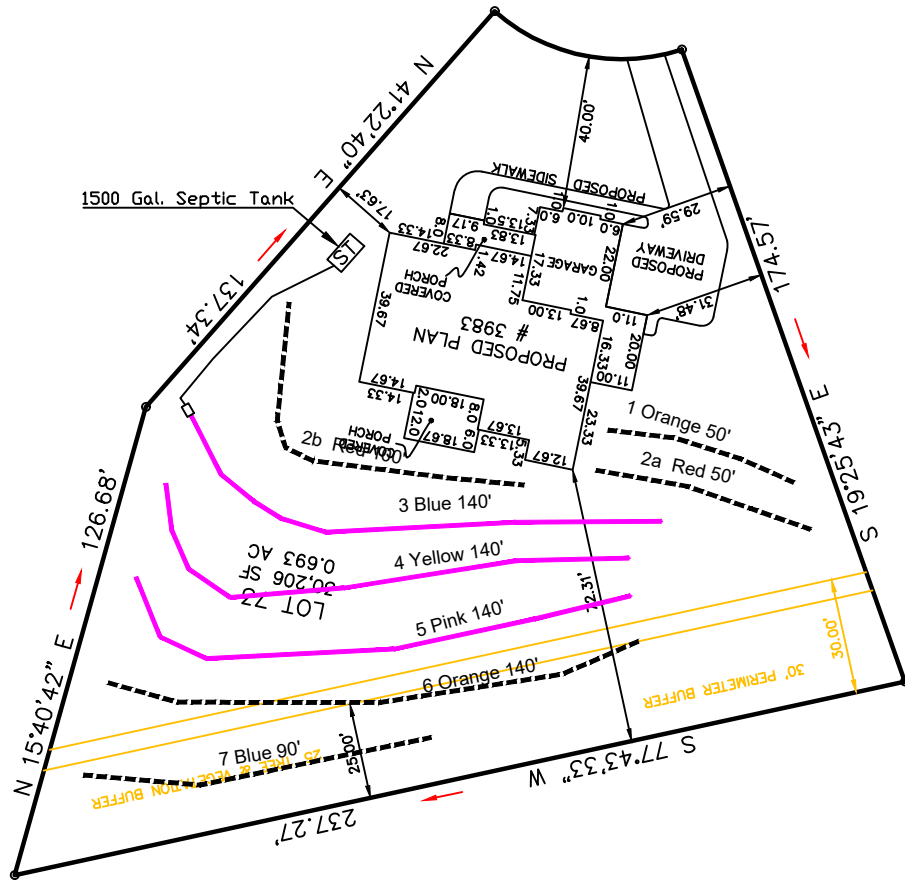
SCALE: 1"=40'

DATE: 05/28/2021

BOOK #:

WARD SURVEYING SERVICES, PLLC
LAND SURVEYING & PLANNING
APEX, N.C. (919) 367-7858

CA Part B



System: ———
Repair: - - - - -

- *Keep Tanks and Drain lines 10' from property lines.
- *Not a Survey
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicated above.
- *No cutting within septic area.

System: Gravity to D-Box
Lines: 3-5 (<420')
Accepted Status System
0.3 Soil LTAR

Repair: Pressure Manifold
Lines: 1,2a,2b,6,7, (<430')
Accepted Status System
0.3 Soil LTAR

GRAPHIC SCALE
1" = 50'



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6703

5-Bedroom Septic Layout
Flow Red. 96/gal/Bedroom
Lot 73 Sanctuary Subdivision
Wake County, North Carolina

Job# : 3840
Drawn By : AH
Date : 6/9/2021
Revision:



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-063022-2021 Building Permit: RBPR-063024-2021

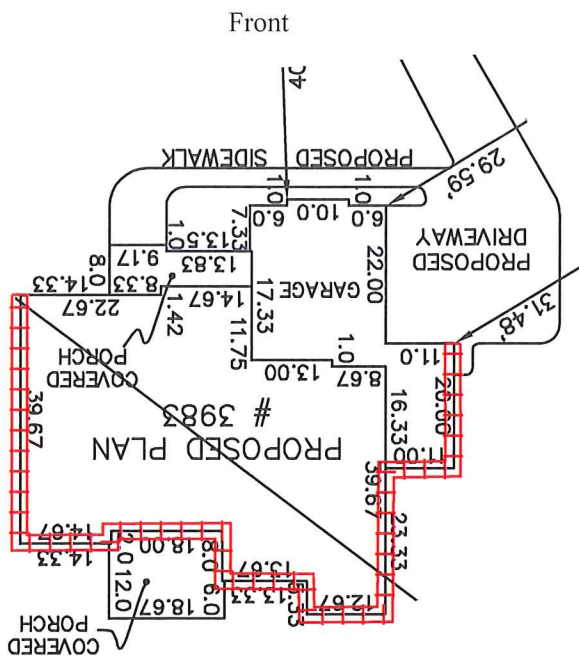
Parcel PIN: 0781034394

Project (Site) Address: 2821 Sweetwill Ln

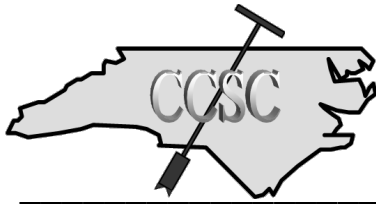
PLEASE CIRCLE:

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)



Applicant Signature: *B. K.* Date: 8/26/21



Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, NC 27587
919-569-6704/fax 919-569-6703

 Department of Environmental Services
Wake County
Approved by *Alan Alcock*

Date : 08312021

Review of this document has been made only for conformance with the design concept of the project and approval shall not relieve the designer and/or contractor from responsibility for any errors therein or for furnishing the materials, and equipment of proper dimension, size, quantity, quality and all performance characteristic to meet the requirements and intent of the contract documents.

June 22, 2021

Wake County Staff
Wake County Environmental Health Department
336 Fayetteville Street
Raleigh, North Carolina 27601

RE: Wastewater Daily Flow Calculations
Sanctuary Lot 73
2821 Sweetwill Lane, Raleigh, Wake County NC
Job #3840

Dear Wake County Staff:

Central Carolina Soil Consulting (CCSC) in conjunction with Bateman Civil Survey Company are proposing wastewater daily flow calculations for a single-family home located at Sanctuary Lot 73 pursuant to session law 2014-120 and 2013-413. The proposed home will have **5** bedrooms and under the current flow calculations provided in the state rules would have a daily flow of **600** gallons per day. That would be based on 120 gallons per bedroom.

Household flow rates from the 15 NCAC 18A section of the state rules relied on fixture flow rates from 1982, and calculated the flows for common fixtures to established average flows for the purpose of calculating household daily flows and septic system based on those flows. The data for the historic fixture flows was taken from the EPA 2002 Onsite Wastewater Treatment Systems Manual.

The attached spreadsheet contains the flow reducing fixtures that are proposed for Sanctuary Lot 73. The table includes flow rates for the flow reducing fixtures as well as flow rates from the state rules and the percentage of water savings. On average the proposed fixtures provide a 36% savings.

We are requesting a reduction of 20% for the use of low flow fixtures. This will provide an adjusted daily flow of 96 gallons per bedroom per day and a total flow of **480** gallons per day for the proposed 5-bedroom house.

Should you have any questions or comments please contact Matt Burdette at 919-422-2827.

Sincerely,

CENTRAL CAROLINA SOIL CONSULTING PLLC

BATEMAN CIVIL SURVEY COMPANY
NCBELS# C-2378.



Matt Burdette
Environmental Specialist



Thomas Speight, P.E.
(seal)



Sanctuary Lot 73						
	Item		Gal/min. or flush	Number of Fixures	Base Flow From 1982	Percent Water Savings
Kitchen	Kitchen Sink Faucet	Moen S73004	1.5 gal/minute	1	3.0 gal/minute	50%
Laundry	Kitchen Sink Faucet	Moen 7585	1.5 gal/minute	1	3.0 gal/minute	50%
Bath 2	Shower Head	Moen T2282EP	1.8 gal/minute	1	5.5 gal/minute	67%
	Lavatory Faucet	Moen T6805	1.2 gal/minute	1	3.0 gal/minute	60%
Master	Lavatory Faucet	Moen T4520	1.5 gal/minute	2	3.0 gal/minute	50%
	Hand Shower	Hansgrohe 04072830	2.5 gal/minute	1	5.5 gal/minute	55%
	Shower Head	Moen S6310	2.5 gal/minute	1	5.5 gal/minute	55%
	Bath	Fill & Release	Fill & Release	1	Fill & Release	0%
Bath 3	Shower Head	Moen T2283EP	1.8 gal/minute	1	5.5 gal/minute	67%
	Lavatory Faucet	Moen T6805	1.2 gal/minute	2	3.0 gal/minute	60%
Bath 4	Shower Head	Moen S6310	2.5 gal/minute	1	5.5 gal/minute	55%
	Lavatory Faucet	Moen TS44102	1.2 gal/minute	1	3.0 gal/minute	60%
Toilets	Master, Powder, 2, 3, 4, 5	Proflo S112WHM	1.6 gal/flush	4	3.5 gal/minute	54%

FIXTURES	TOILET	FAUCET	SHOWER	LEAK	BATH	OTHER	DISHWASHER	CLOTHES WASHER	TOTALS
PERCENT OF HOUSE HOLD WATER USE	24%	20%	20%	12%	3%	3%	2%	16%	100%
GALLONS PER DAY (600 BASE)	144	120	120	72	18	18	12	96	600
PERCENT OF SAVINGS FROM WATER SAVING FIXURES	54%	55% avg	60% avg	0%	0%	0%	0%	0.0%	36%
ADJUSTED FLOW (GALLONS)	66	54	48	72	18	18	12	96	384

DESCRIPTION

- Metal Wand
- Reflex™ pulldown system offers smoother operation, easy movement and secure docking
- PowerBoost™ Technology provides boosted water performance with the push of a button
- Duralock™ quick connect installation
- Metal construction with various finishes identified by suffix
- Pulldown spray with 68" braided hose
- High arc spout provides the perfect height and reach for prep sinks while the pulldown feature provides infinite maneuverability for food preparation tasks
- 360° rotating spout
- Flexible supply lines with 3/8" compression fittings

OPERATION

- Lever style handle
- Four-Function Spray Wand : stream, spray, boosted steam and boosted spray
- Operates with less than 5 lbs. of force
- Operates in stream or spray mode in the pulldown or retracted position
- Temperature controlled by 100° arc of handle travel

FLOW

- Flow is limited to 1.5 gpm (5.7 L/min) at 60 psi

CARTRIDGE

- 1255™ Duralast™ cartridge for Single-Handle Faucets
- Engineered polymers, non-ferrous and stainless steel materials

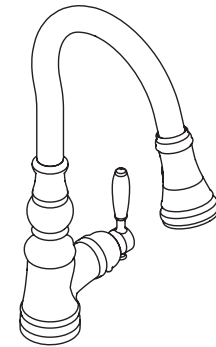
STANDARDS

- Third party certified to IAPMO Green, ASME A112.18.1/CSA B-125.1 and all applicable requirements referenced therein including NSF 61/9 & 372
- Meets CalGreen and Georgia SB370 requirements
- Complies with California Proposition 65 and with the Federal Safe Drinking Water Act
- ADA ♿ for lever handle
- The backflow protection system in this device consists of two independently operating check valves, a primary and a secondary which prevent backflow

WARRANTY

- Lifetime limited warranty against leaks, drips and finish defects to the original homeowner
- 10 year limited warranty when used in a multifamily installation
- 5 year limited warranty when used in a commercial installation

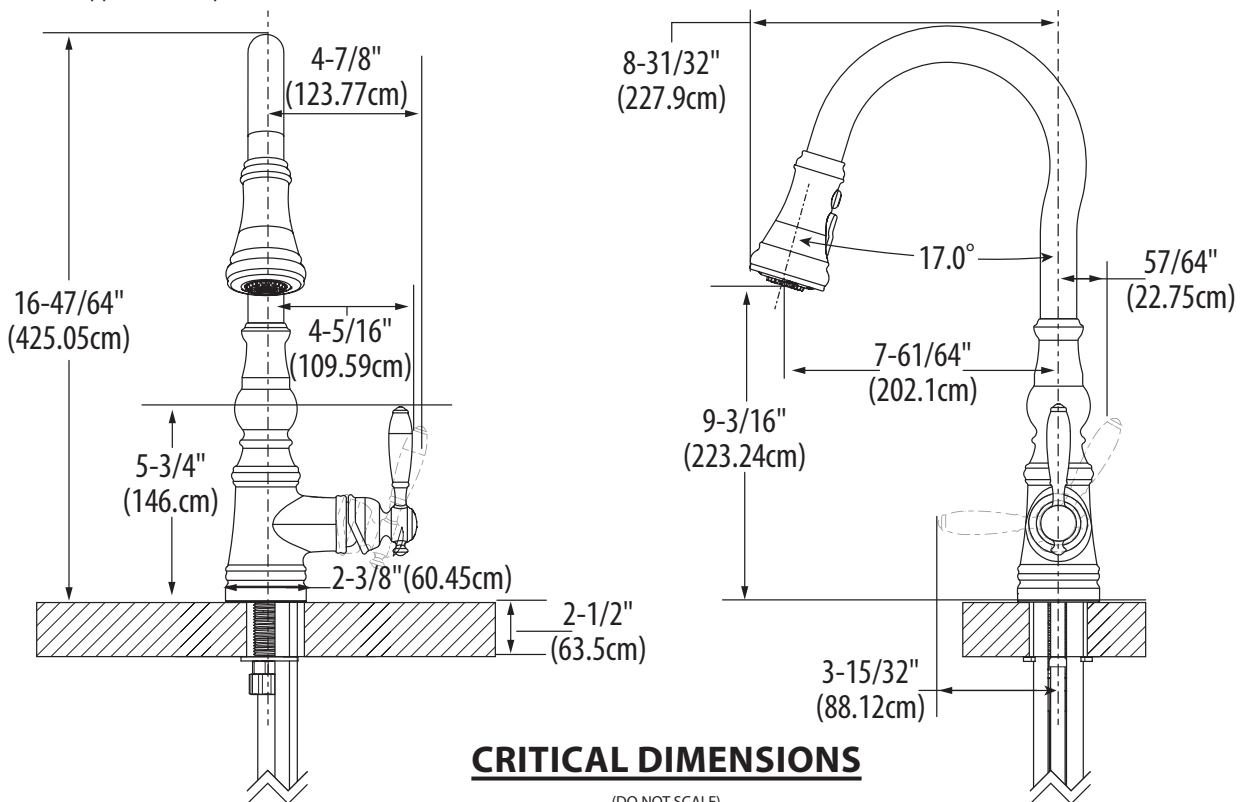
Visit www.moen.com/support for complete details and limitations



Weymouth™
Single-Handle High Arc
Pulldown Kitchen Faucet

Models: S73004 series

NOTE: THIS FAUCET IS DESIGNED
TO BE INSTALLED THROUGH 1
HOLE, 1-1/2" (38mm) MIN. DIA.





Buy it for looks. Buy it for life.®

Specifications

DESCRIPTION

- Metal construction with various finishes identified by suffix
- Pullout spray with 59" braided hose
- Flexible supplies with 3/8" compression fittings

OPERATION

- Lever style handle
- Temperature controlled by 100° arc of handle travel
- Spout rotation is 120°
- Operates with less than 5lbs. of force
- Operates in stream or spray mode in the pullout or retracted position

FLOW

- Flow is limited to 1.5 gpm (5.7 L/min) at 60 psi

CARTRIDGE

- 1255™ Duralast™ cartridge

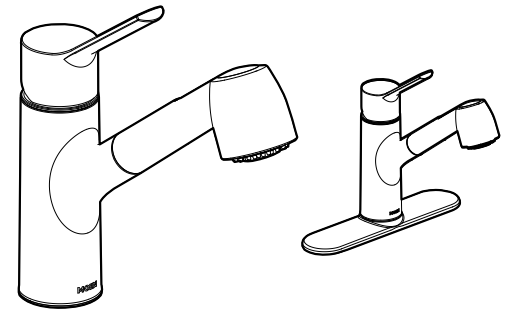
STANDARDS

- Third party certified to IAPMO Green, ASME A112.18.1/CSA B-125.1 and all applicable requirements referenced therein including NSF 61/9
- Meets CalGreen and Georgia SB370 requirements
- Contains no more than 0.25% weighted average lead content
- Complies with California Proposition 65 and with the Federal Safe Drinking Water Act
- The backflow protection system in the device consists of two independently operating check valves, a primary and a secondary which prevent backflow

- **ADA**  for lever handle

WARRANTY

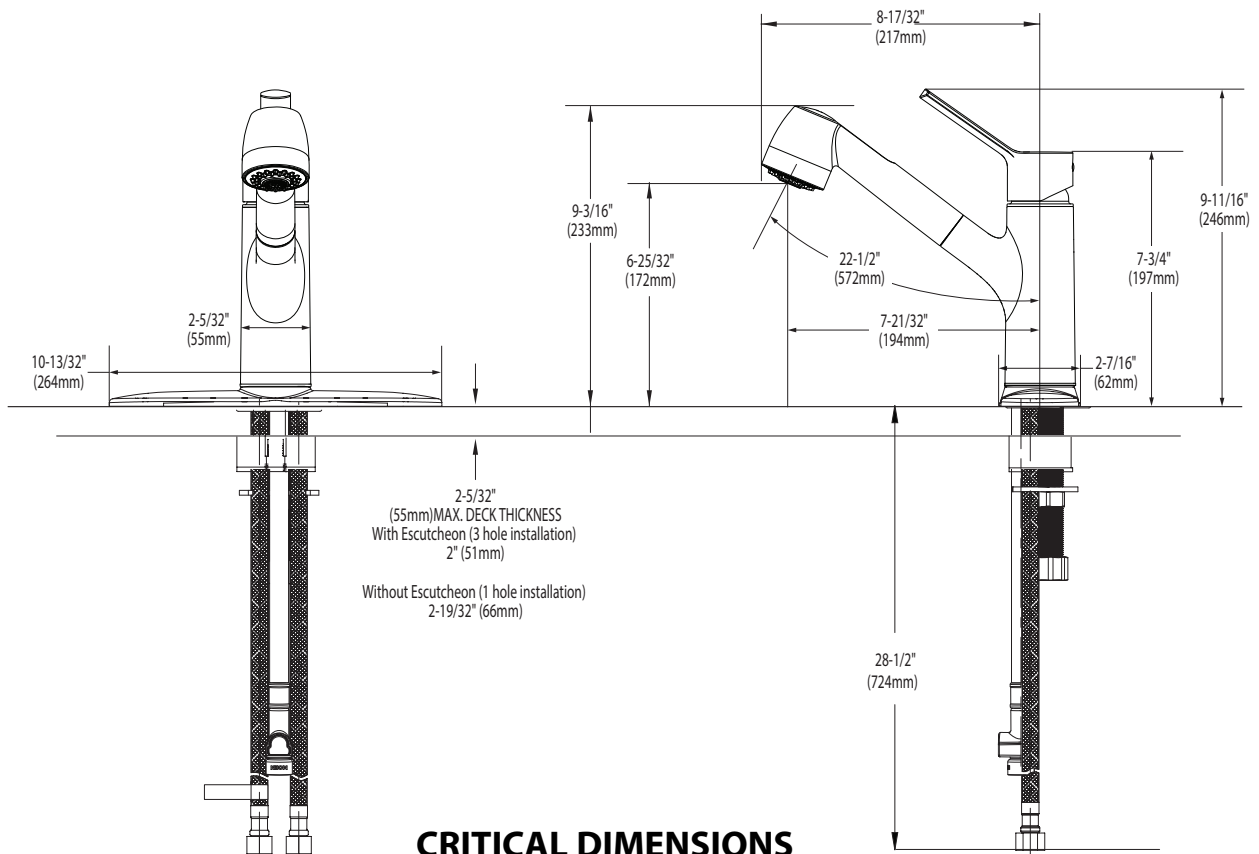
- Lifetime limited warranty against leaks, drips and finish defects to the original consumer purchaser
- 5 year warranty if used in commercial installations



Method™ Single Handle Pullout Kitchen Faucet

Models: 7585 series

NOTE: DESIGNED TO INSTALL
THRU 1 OR 3 HOLES 1-1/2" (38mm) DIA.



CRITICAL DIMENSIONS

(DO NOT SCALE)

FOR MORE INFORMATION CALL: 1-800-BUY-MOEN

www.moen.com



Buy it for looks. Buy it for life.®

Specifications

DESCRIPTION

- Metal construction with various finishes identified by suffix
- Includes showerhead, arm, flange and diverter spout

OPERATION

- Handle operates counterclockwise through a 270° arc with off at 6 o'clock and maximum hot at the 9 o'clock position. Shut off in clockwise direction
- Adjustable temperature limit stop to control maximum hot water temperature
- Pressure balancing mechanism maintains selected discharge temperature to $\pm 3^\circ$

FLOW

- EP suffix models are limited to 2.0 gpm (7.6 L/min) max for products manufactured prior to June 30, 2018. EP suffix models manufactured after June 30, 2018 are limited to 1.75 gpm (6.7 L/min) max.

CARTRIDGE

- 1222 cartridge design
- Nonmetallic/nonferrous and stainless steel materials
- Accommodates back to back installations

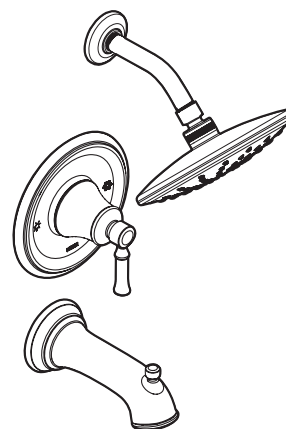
STANDARDS

- Third party certified to meet ASME A112.18.1/CSA B125.1 and all applicable requirements referenced therein
- EP suffix models are third party certified to WaterSense®
- **ADA**  for lever handles

WARRANTY

- Lifetime limited warranty against leaks, drips and finish defects to the original homeowner
- 10 year limited warranty when used in a multifamily installation
- 5 year limited warranty when used in a commercial installation

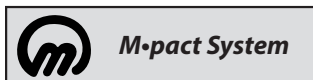
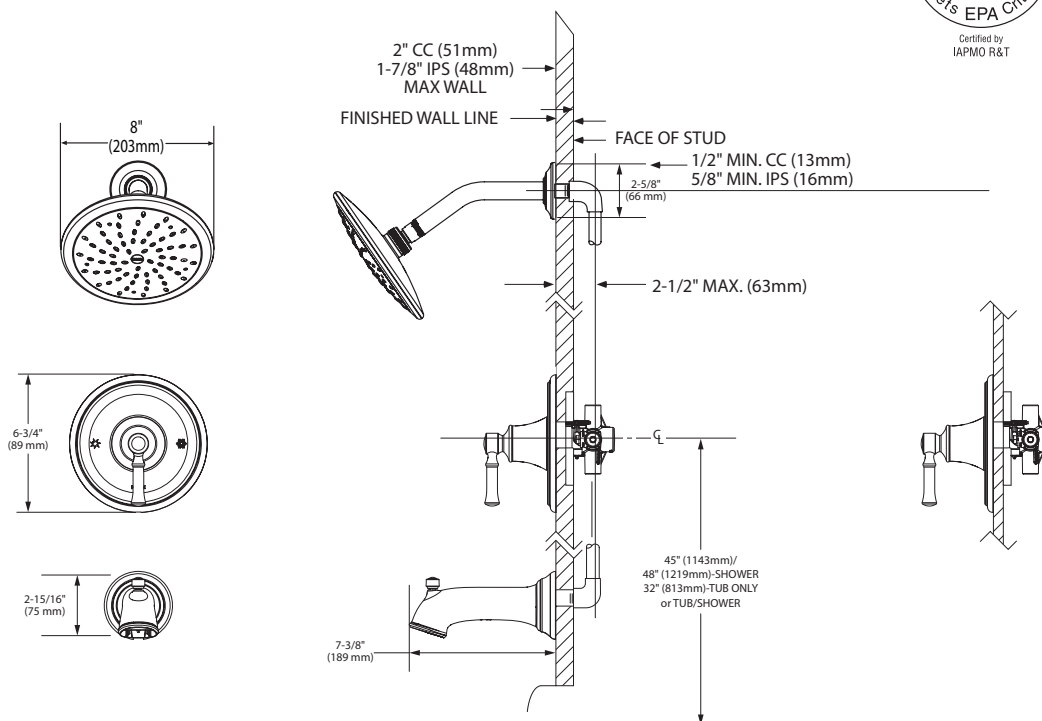
Visit www.moen.com/support for complete details and limitations



DARTMOOR™ POSI-TEMP® Single-Handle Tub/Shower Trim Kit with Rainshower

Models: T2282EP series - shower trim only
T2283EP series - tub/shower trim

Valves: 62300 series
2500 series



CRITICAL DIMENSIONS

(DO NOT SCALE)



Buy it for looks. Buy it for life.®

Specifications

DESCRIPTION

- Metal construction with various finishes identified by suffix
- Hot and cold temperature indicators available

OPERATION

- Lever style handles with optional hot and cold indicators available
- Rotate hot side handle counterclockwise to open (clockwise to close) and the cold side handle clockwise to open and (counterclockwise to close)

FLOW

- Water usage is limited to these maximum flow rates as indicated by the corresponding product markings
 - 1.2 gpm max (4.5L/min) at 60 psi

CARTRIDGE

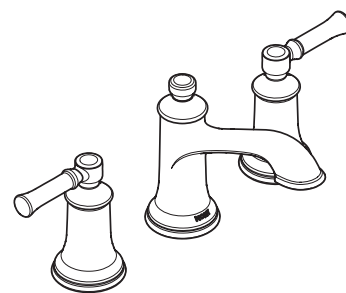
- 1234™ Duralast™ cartridge
- Nonmetallic, nonferrous and stainless steel material

STANDARDS

- Third party certified to meet ASME A112.18.1/CSA B125.1 and all applicable requirements referenced therein
- ADA ♿ for lever handles

WARRANTY

- Limited lifetime warranty against leaks, drips and finish defects to the original consumer purchaser
- 5 year warranty if used in commercial installations



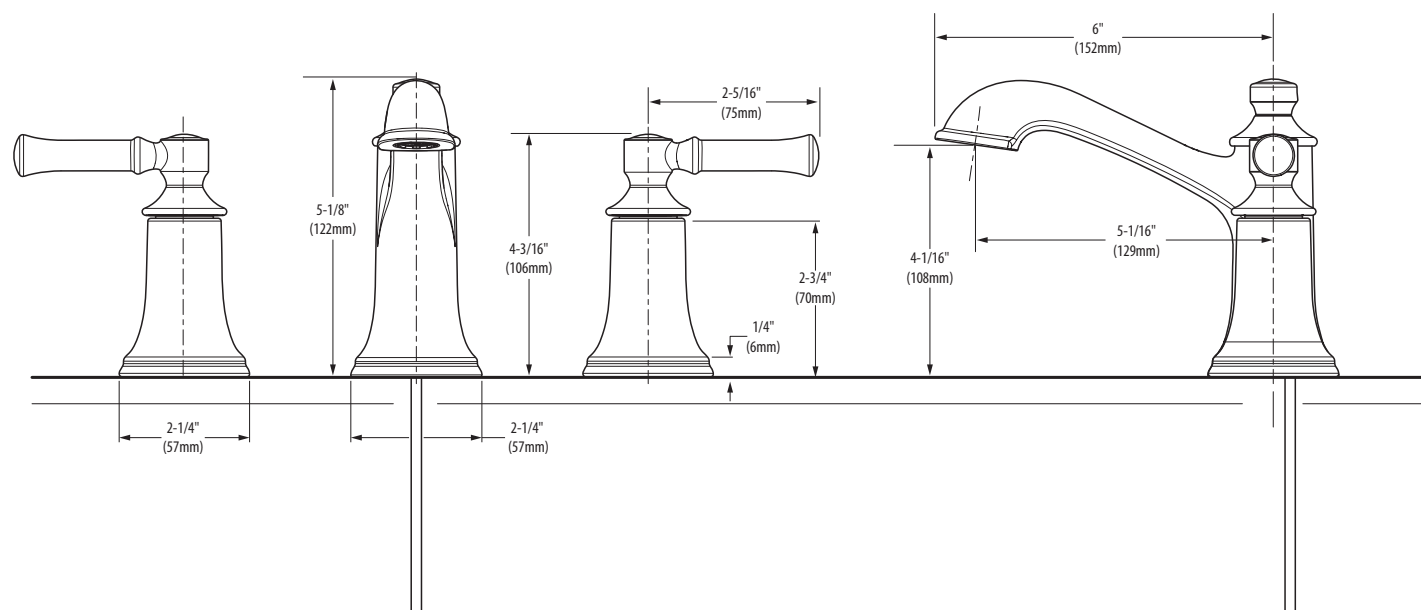
DARTMOOR™ Two Handle Widespread Lavatory Faucet Trim

Models: T6805 series

Valve: 9000, 69000

NOTE: THIS FAUCET IS DESIGNED TO BE INSTALLED THRU 3 HOLES, 1-1/8" MIN. DIA.

NOTE: FOR DECK THICKNESS 1-1/2" to 3", USE SERVICE KIT #175709. VALVES INSTALL THROUGH 1-1/4" DIA. HOLE.



CRITICAL DIMENSIONS

(DO NOT SCALE)



Buy it for looks. Buy it for life.®

DESCRIPTION

- Quick connect system
- Metal construction with various finishes identified by suffix
- 1/2" IPS connections

OPERATION

- Cross and lever style handles
- Maximum handle rotation angle is 90° to full on for either handle
- Hot side counterclockwise to open (clockwise to close)
- Cold side clockwise to open (counterclockwise to close)
- Includes hot and cold temperature indicators

FLOW

- Flow is limited to 1.5 gpm max (5.7L/min) at 60 psi

CARTRIDGE

- 1224 cartridge design
- Nonmetallic, nonferrous and stainless steel material

STANDARDS

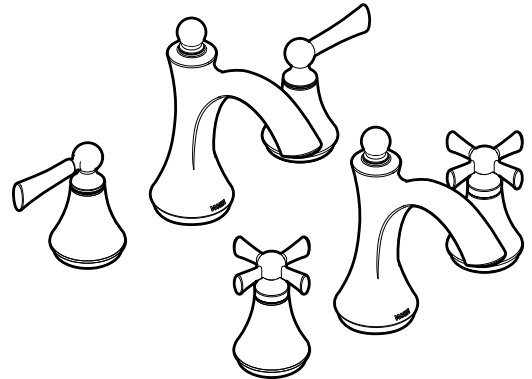
- Third party certified to WaterSense®, ASME A112.18.1/CSA B125.1, and all applicable requirements referenced therein including NSF61/9 & 372
- Complies with California Proposition 65 and with the Federal Safe Drinking Water Act

- **ADA**  for lever handles

WARRANTY

- Lifetime limited warranty against leaks, drips and finish defects to the original consumer purchaser
- 5 year warranty if used in commercial installations

Specifications



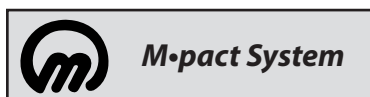
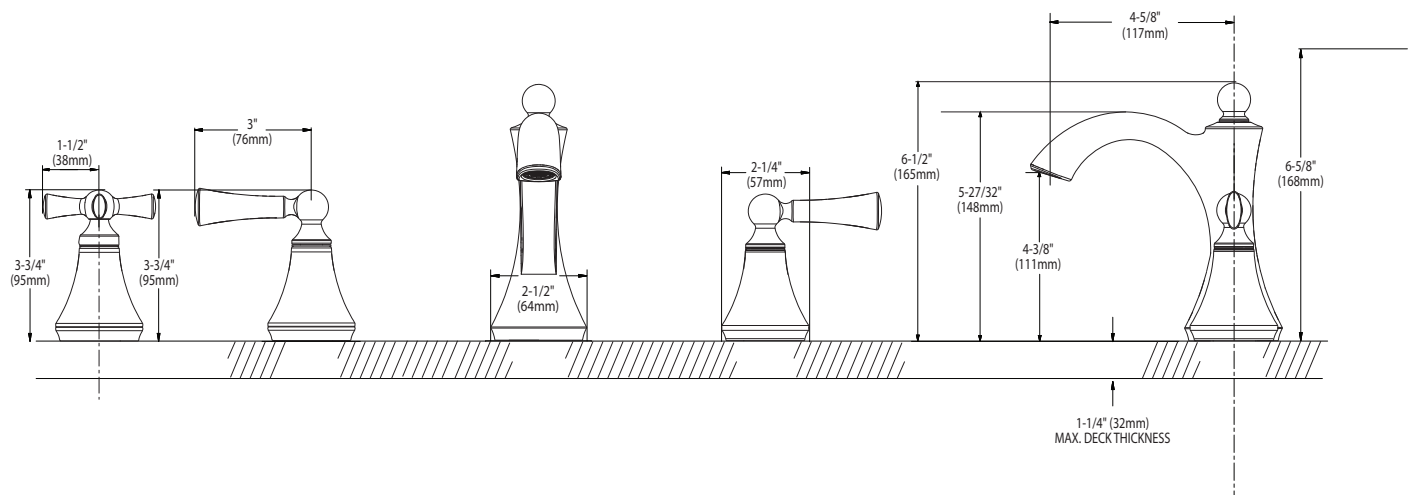
WYNFORD™ Two Handle Widespread Lavatory Faucet Trim

Models: T4520 series (lever handle)
T4524 series (cross handle)

Valve: 9000, 69000

NOTE: THIS FAUCET IS DESIGNED TO BE INSTALLED
THRU 3 HOLES, 1-1/8" MIN. DIA.

NOTE: FOR DECK THICKNESS 1-1/2" to 3", USE SERVICE KIT
#115001. VALVES INSTALL THROUGH 1-1/4" DIA. HOLE.



CRITICAL DIMENSIONS

(DO NOT SCALE)

FOR MORE INFORMATION CALL: 1-800-BUY-MOEN

www.moen.com

Croma 100 Classic Handshower 3-Jet, 2.5 GPM

Finishes : **polished nickel** Part no. : **04072830**



Description

Features

- 75 no-clog spray channels
- Spray modes: Full, Pulsating Massage, Intense Turbo
- Flow: 2.5 GPM (9.5 L/Min)

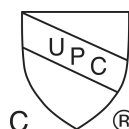
Item details

List Price \$ 127.00

Technology



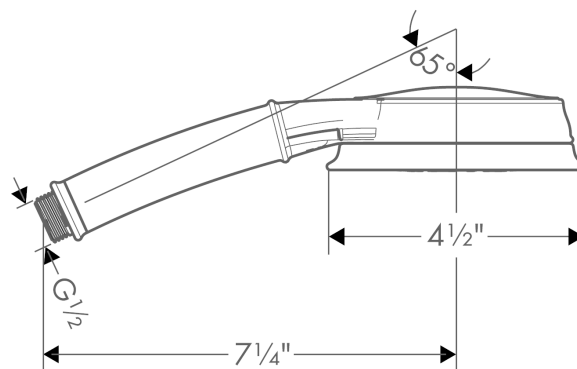
Compliance



Product image



Scale drawing





Buy it for looks. Buy it for life.®

DESCRIPTION

- Metal construction with various finishes identified by suffix
- Immersion™ Rainshower Technology channels water through a spoke design – concentrating and magnifying the natural force of your water to dramatically enhance your shower experience.

OPERATION

- Single function

FLOW

- Showerhead limited to 2.5 gpm (9.5 L/min) at 80 psi
- EP suffix models are limited to 2.0 gpm (7.6 L/min) max for products manufactured prior to June 30, 2018. EP suffix models manufactured after June 30, 2018 are limited to 1.75 gpm (6.7 L/min) max.

STANDARDS

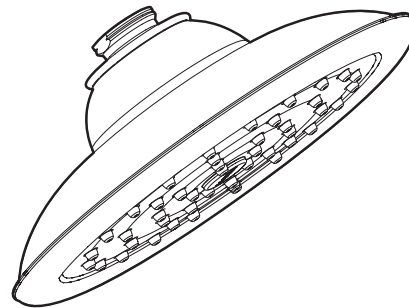
- Third party certified to meet ASME A112.18.1/ CSA B125.1 and all applicable requirements referenced therein
- EP suffix models are IAPMO Green listed and third party certified to WaterSense®

WARRANTY

- Lifetime limited warranty against leaks, drips and finish defects to the original homeowner
- 10 year limited warranty when used in a multifamily installation
- 5 year limited warranty when used in a commercial installation

Visit www.moen.com/support for complete details and limitations

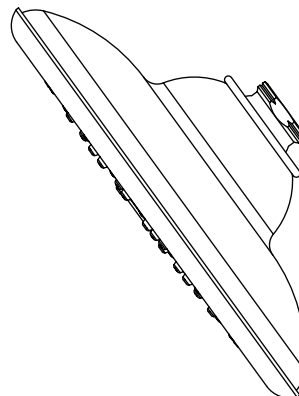
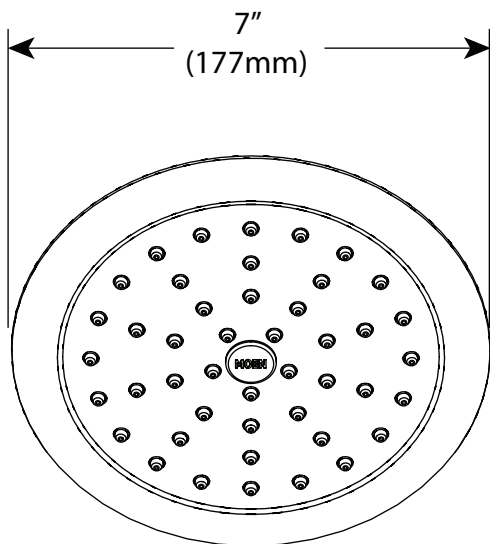
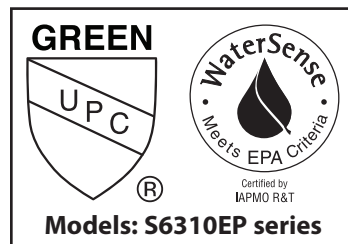
Specifications



Single Function Rainfall Showerhead with Immersion™ Rainshower Technology

Models: S6310 series

IMMERSION
rainshower technology



CRITICAL DIMENSIONS

(DO NOT SCALE)

DESCRIPTION

- Duralock™ quick connect system
- Metal construction with various finishes identified by suffix
- 1/2" IPS connections

OPERATION

- Lever and cross style handles
- Maximum handle rotation angle is 90° to full on for either handle
- Hot side counterclockwise to open (clockwise to close)
- Cold side clockwise to open (counter-clockwise to close)

FLOW

- Water usage is limited to these maximum flow rates as indicated by the corresponding product markings
 - 1.2 gpm max (4.5L/min) at 60 psi

CARTRIDGE

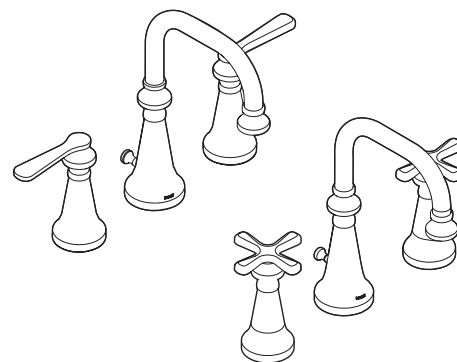
- 1234™ Duralast™ cartridge
- Nonmetallic, nonferrous and stainless steel material

STANDARDS

- Third party certified to WaterSense®, ASME A112.18.1/CSA B125.1 and all applicable requirements referenced therein
- Certified to NSF 61/9 & 372
- Products marked with 1.2 gpm are compliant with California water efficiency regulations
- Complies with California Proposition 65 and with the Federal Safe Drinking Water Act
- ADA ♿ for lever handles

WARRANTY

- Lifetime limited warranty against leaks, drips and finish defects to the original homeowner
 - 10 year limited warranty when used in a multifamily installation
 - 5 year limited warranty when used in a commercial installation
- Visit www.moen.com/support for complete details and limitations

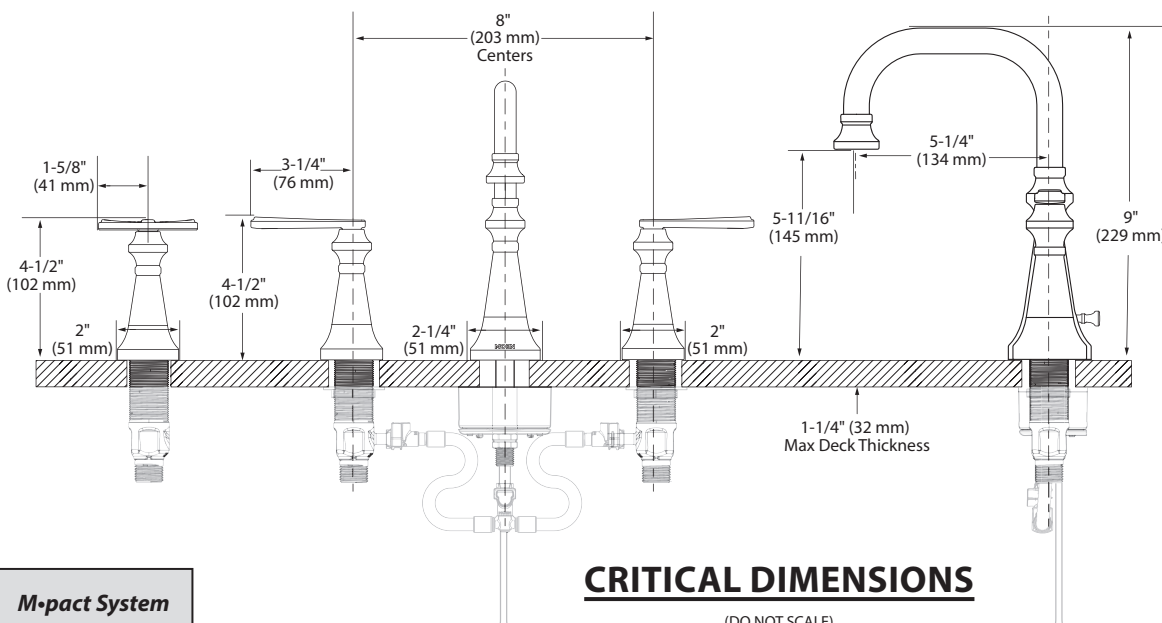


COLINET™ Two-Handle Widespread Lavatory Faucet

Models: TS44102 series (lever handle)
TS44103 series (cross handle)
Valve: 9000, 69000

NOTE: This faucet is designed to be installed through 3 holes– 1 1/8" min. dia.

NOTE: For deck thickness 1-1/2" to 3", use service kit #175709. Valves install through 1-1/4" dia. hole.



Low Consumption Two-Piece Toilet Vitreous China



Product Features

- Gravity fed (1.6gpf/6.0Lpf)
- Two piece vitreous china
- 2" fully glazed trapway
- 8" x 9" water surface
- Anti-siphon fill valve
- Box rim
- Close coupled tank with cover
- Quick connect, 2 bolt tank to bowl installation
- 2" Flush valve
- Comes standard with a color matching trip lever
- Sanitary bar on all bowls
- Seat and supply not included
- Available in 10", 12", 14" RI
- Available with RH trip lever
- Available with insulated tank
- Available round front, elongated, and ADA



PF1403TWH/PF5112WHM

Codes and Standards

- ADA PF1403T
- IAPMO/UPC
- ASME A112.19.2
- CSA B45.0
- CSA B45.1

Technical Information

Fixture:	
Configuration	two-piece toilet
Consumption	1.6 gpf/6.0 lpf
Passageway	2" glazed
Water area	8" X 9"
Water depth from rim	6 1/2"
Seat post hole centers	5 1/2"

Model	Model Description	Color Finishes
PF1400T	1.1-1.6 12 RI RF UNIV BOWL	○ White ○ Biscuit
PF1401T	1.1-1.6 12 RI EL UNIV BOWL	○ White ○ Biscuit
PF1403T	1.1-1.6 12 RI ADA UNIV BOWL	○ White ○ Biscuit
PF5112(WH or BS)M	Tank only 12" RI for 1400 series	○ White ○ Biscuit
PF5110(WH or BS)M	Tank only 10" RI for 1400 series	○ White ○ Biscuit
PF5114WHM	Tank only 14" RI for 1400 series	○ White
PF5112RWHM	RH Tank	○ White
PF5112UWHM	Insulated Tank	○ White
PF5112LWHM	Tank with locking lid	○ White



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-063022-2021

APPLICATION DATE: 07/07/2021

BLDG. PERMIT #: RBPR-063024-2021

PIN: 0781034394

RECORDED: Yes

TOWNSHIP: 18 - Swift Creek

JURISDICTION: Wake County

ZONING:

APPLICANT: BENJAMIN WARD

1000 DARRINGTON DR

BUSINESS PHONE: (919) 462-0775

HOME PHONE:

MOBILE PHONE:

HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE

EXISTING USE:

SITE ADDRESS: 2821 SWEETWILL LN

SUBDIVISION: SANCTUARY AT YATES MILL PH2

LOT: 73

ACRES: 0.69

DIRECTIONS: Take Walnut Street to Tyron Road. Turn left onto Tyron Road. Turn right onto Yates Mill Road. Turn right onto Theys Road. Turn right onto Milner Drive.

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: CCSC

SYSTEM LAYOUT: Private Sector

SITE CLASSIFICATION: Provisionally Suitable

IP STATUS: Issued

BY: Caroline Suggs

DATE: 08/30/2021

NUMBER OF BEDROOMS: 5

OR TOTAL NUMBER OF OCCUPANTS: 10

PERMITTED DESIGN FLOW: 480 GPD

BASEMENT: No

BASEMENT PLUMBING: No

WASTEWATER STRENGTH: Domestic

SYSTEM TYPE: II C

LTAR: 0.300

EXISTING SYSTEM UTILIZED:

PRETREATMENT STRENGTH REQUIRED: None

EASEMENT FOR WW SYSTEM ASSOCIATED WITH PARCEL: No

MAXIMUM TRENCH DEPTH: 18 INCHES

PUMP REQUIRED: No

SPECIFIC SYSTEM REQUIREMENTS: -5 BR SFD, 480 GPD using Engineered Flow Reduction design

-Do not cut, grade, install utilities in, or otherwise alter designated septic areas

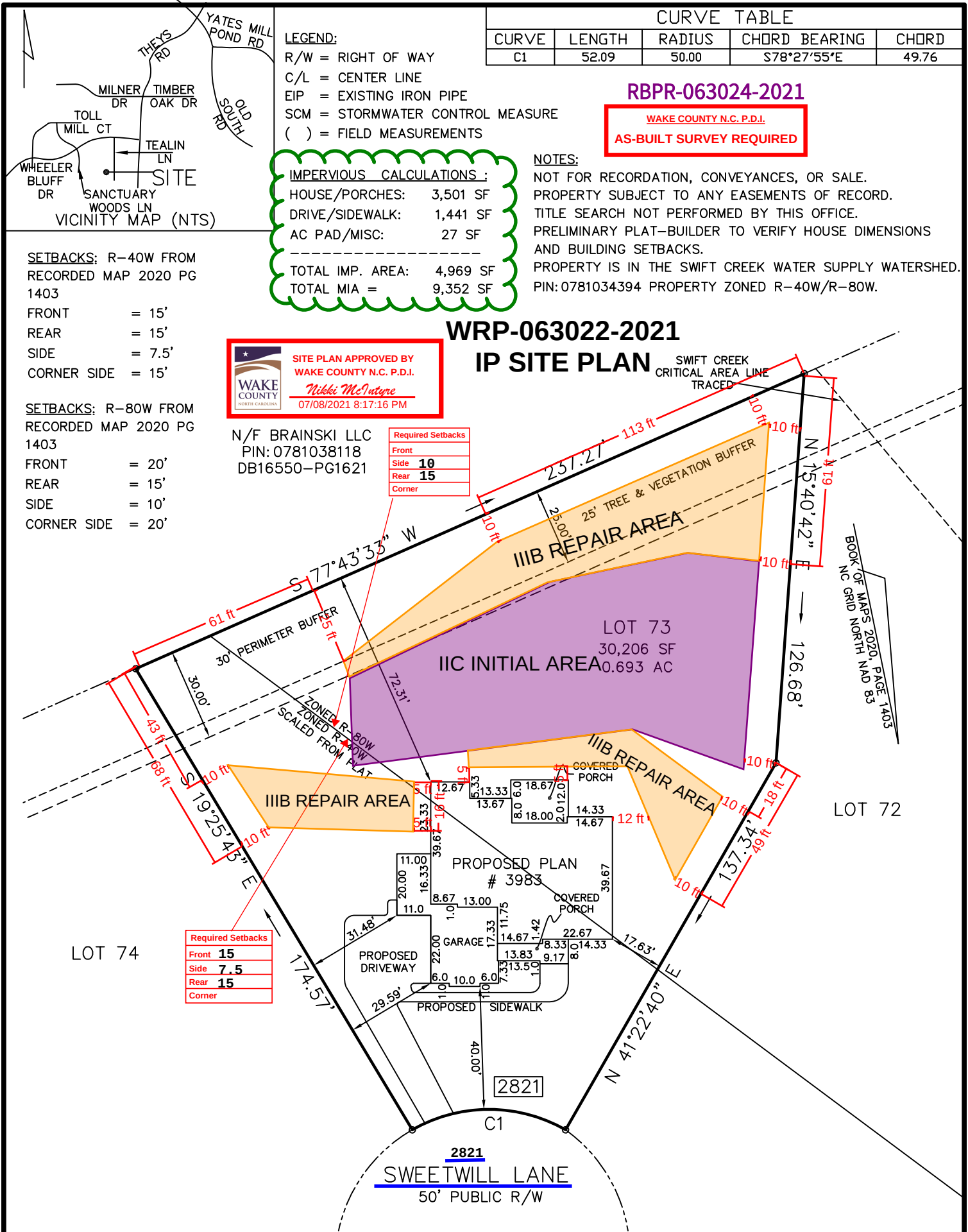
-Repair- IIIB, 18" max TD, 0.3 LTAR

-Community well water supply

ISSUED BY:

Caroline Suggs, RTHS

DATE: 08/30/2021



THIS PROPERTY IS/IS NOT LOCATED IN AN AREA DESIGNATED AS HAVING SPECIAL FLOOD HAZARDS ACCORDING TO FLOOD INSURANCE RATE MAP #3720073300 J . EFFECTIVE DATE: MAY 2, 2006.

LOT 73 BLOCK SECTION

SUBDIVISION SANCTUARY @ YATES MILL - PH. 2

RECORDED IN BOOK OF MAPS 2020 PAGE 1401-04 WAKE COUNTY REGISTRY

PLOT PLAN

SAW/MW
2021093

I, SONYA A. WARD, HEREBY CERTIFY THAT THIS MAP IS CORRECT, THAT THE BUILDINGS LIE WHOLLY ON THE LOT, AND THAT THERE ARE NO ENCROACHMENTS OF OTHER BUILDINGS ON THE SAID LOT, EXCEPT AS SHOWN ON SURVEY.

SURVEY FOR:

RAINBROOK BUILDERS LLC

SWIFT CREEK TOWNSHIP

WAKE COUNTY

NC

SCALE: 1"=40'

DATE: 05/28/2021

BOOK #:

WARD SURVEYING SERVICES, PLLC
LAND SURVEYING & PLANNING
APEX, N.C. (919) 367-7858