

Revised

Harnett County Department of Public Health

Improvement Permit

A building permit cannot be issued with only an Improvement Permit

PROPERTY LOCATION: 5545 Ray Rd (SR1121)

SUBDIVISION _____

LOT # _____

ISSUED TO: Rhetson Companies

NEW REPAIR EXPANSION

Type of Structure: 130' x 70' Dollar General

Proposed Wastewater System Type: pump to 50% reduction

Projected Daily Flow: 240 GPD

Number of bedrooms _____ Number of Occupants: 3 max

Basement Yes No

Pump Required: Yes No May be required based on final location and elevations of facilities

Type of Water Supply: Community Public Well Distance from well _____ feet

Permit valid for:

Five years

No expiration

Permit conditions: _____

Site Improvements required prior to Construction Authorization Issuance: _____

Authorized State Agent: Moh A. RETH

Date: 10-28-21

SEE ATTACHED SITE SKETCH

The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

Construction Authorization

(Required for Building Permit)

The construction and installation requirements of Rules 1950, 1952, 1954, 1955, 1956, 1957, 1958 and 1959 are incorporated by references into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

ISSUED TO: Rhetson Companies

PROPERTY LOCATION: 5545 Ray Rd (SR1121)

SUBDIVISION _____

LOT # _____

Facility Type: 130' x 70' Dollar General New Expansion Repair

Basement? Yes No Basement fixtures? Yes No

Type of Wastewater System** pump to 50% reduction (Initial) Wastewater Flow: 240 GPD

(See note below, if applicable)

Installation Requirements/Conditions

Septic Tank Size 1000 gallons

Pump Tank Size 1000 gallons

Number of trenches 2

Exact length of each trench 50 feet

Trenches shall be installed on contour at a

Maximum Trench Depth of: 14" inches

(Trench bottoms shall be level to +/- 1/4"

in all directions)

Trench Spacing: 9 Feet on Center

Soil Cover: 6 inches

(Maximum soil cover shall not exceed

36" above the trench bottom)

Pump Requirements: _____ ft. TDH vs _____ GPM

_____ inches below pipe

Aggregate Depth: _____ inches above pipe

Conditions: All Conditions of DHHS Division of Public Health Memo _____ inches total

Dated 2-3-14 shall be met prior to system being put into operation
WATER LINES (INCLUDING IRRIGATION) MUST BE 10FT. FROM ANY PART OF SEPTIC SYSTEM OR REPAIR AREA. (Copy Attached)

NO UTILITIES ALLOWED IN INITIAL OR REPAIR DRAIN FIELD AREA. NOTE CONDITION #5

**If applicable: I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Signature: _____

Date: _____

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. SEE ATTACHED SITE SKETCH

Authorized State Agent: Moh A. RETH

Date: _____

10-28-21

Construction Authorization Expiration Date: _____

10-28-26

Application # BCOM2103-0008 (Revised)

Harnett County Department of Public Health Site Sketch

Property Location: 5545 Ray Rd (SR1121)

Issued To: Rhelson Companies

Subdivision _____

Lot # _____

Authorized State Agent: *Mohd A. R. LEHS*

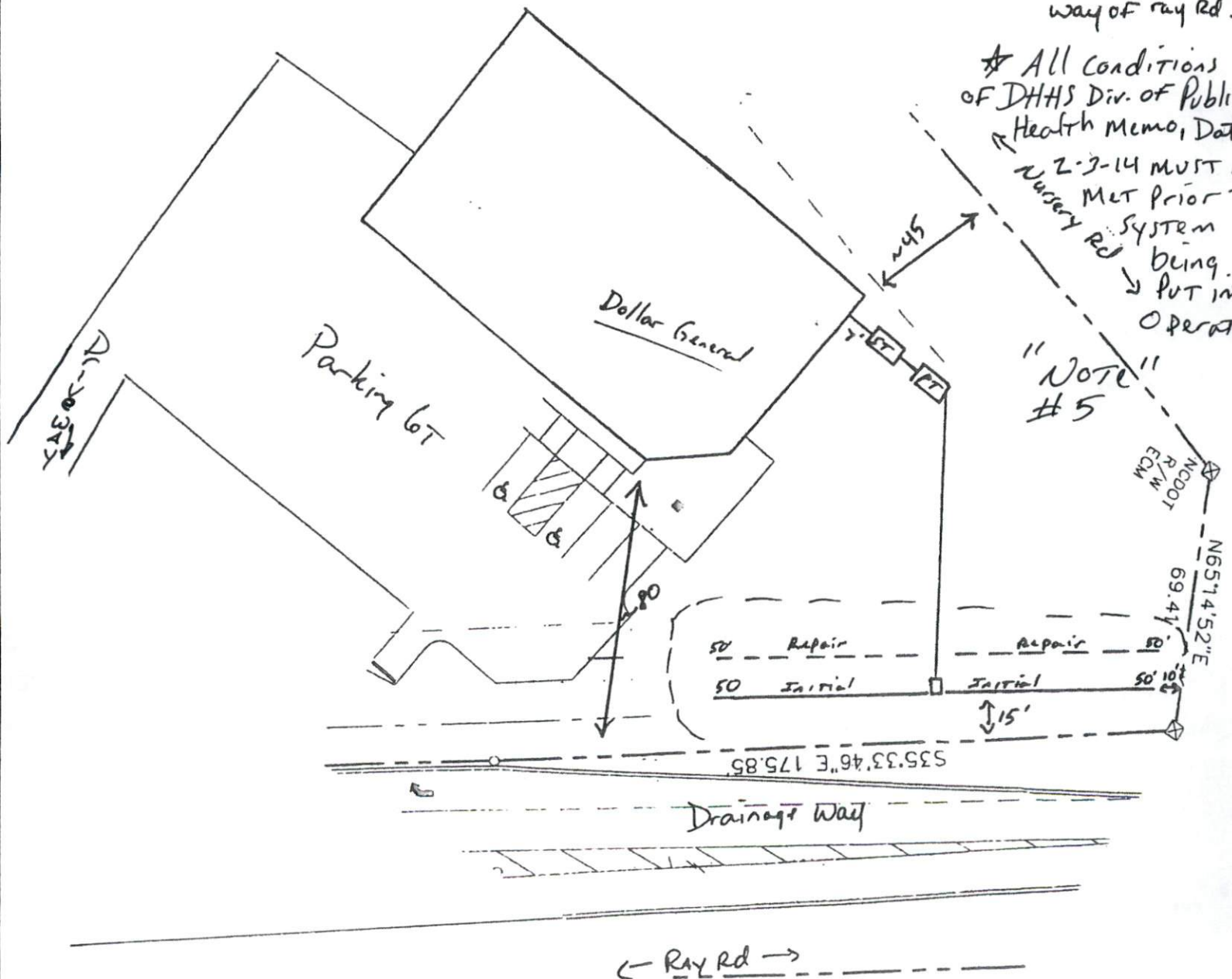
Date: _____

10-28-2

★ Keep Drainline 15'
OFF OF THE Drain
way of Ray Rd.

★ All conditions
OF DHHHS Div. of Public
Health Memo, Dated
2-3-14 MUST BE
MET PRIOR TO
SYSTEM
being
PUT INTO
OPERATION

"NOTE"
#5



This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**


ROY COOPER • Governor

MANDY COHEN, MD, MPH • Secretary

MARK T. BENTON • Assistant Secretary for Public Health

Division of Public Health

To: North Carolina Environmental Health Specialists

From: Jon Fowlkes, On-Site Water Protection Branch Head 

Subject: Updated Design Flow Reductions for Dollar General Stores

Date: May 24, 2021

Based on additional data sets provided for Dollar General Stores, the following adjusted design daily flows may be used:

- Up to 8,000 square feet of retail sales floor – 200 gpd
- Retail sales floor from 8,001 square feet to 10,000 square feet – 240 gpd
- Retail sales floor from 10,001 square feet to 12,000 square feet – 260 gpd

The adjusted design daily flows can only be used with the following conditions:

1. Tanks must be sized on the un-reduced design flow (120 gpd/1,000 square feet of retail space area).
2. Use of low-flow fixtures such as spring-loaded or automatically activated faucets with flow rates of one gallon per minute or less, low-flow urinals which use 0.5 gallons per flush or less, and low-flow toilets which use 1.28 gallons per flush or less. Cut sheets of the fixtures must be provided.
3. A floor plan of the building must be provided, identifying the retail sales floor square footage.
4. If a pump system is used, a Branch-approved flow equalization control panel must be used. The flow equalization control panel limits the amount of effluent discharged to the dispersal field to be no more than the maximum adjusted design daily flow. When the lag float is triggered, only one timed dose is delivered. Non-flow equalization control panels are programmed to discharge all effluent in the pump tank to the dispersal field when the lag float is triggered.
5. The tenants are prohibited from disposing into the wastewater system any chemical cleaners or any other compound which may be harmful to the bacteria in the wastewater system, including but not limited to quaternary ammonia compounds.
6. The tenants are prohibited from disposing of any food waste (solid or liquid) into the system.
7. The improvement permit, authorization to construct, and operation permit issued must specify a Dollar General store. In the case of multiple stores, the Dollar General store must be specifically identified. Any change to a facility designated as a Dollar General store would require a re-evaluation of the design flow and the system design, and revised permits would have to be issued.
8. We recommend the installation of a water meter for the Dollar General store.

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH

LOCATION: 5605 Six Forks Road, Raleigh, NC 27609
MAILING ADDRESS: 1642 Mail Service Center, Raleigh, NC 27699-1642
www.ncdhhs.gov • TEL: 919-707-5854 • FAX: 919-845-3972

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



North Carolina Department of Health and Human Services
Division of Public Health

Pat McCrory
Governor

Aldona Z. Wos, M.D.
Ambassador (Ret.)
Secretary DHHS

Daniel Staley
Acting Division Director

Memorandum

To: NC Environmental Health Specialists
From: Nancy Deal, On-Site Water Protection Branch Head
Subject: Design Daily Flow Reduction for Family Dollar Stores
Date: February 3, 2014

Onsite Water Protection Branch Staff have reviewed data sets supporting a general flow reduction for Family Dollar Stores (retail discount stores). Assuming compliance with all other pertinent provisions of the Rules (15A NCAC 18A .1900), applicants may propose a design daily flow of 200 gallons per day (gpd) for the referenced retail stores under the following conditions:

1. Tank capacity based upon the un-reduced daily design flow (120 gpd/1,000 square feet of retail sales area);
2. Use of low-flow plumbing fixtures such as spring-loaded or automatically activated faucets with flow rates of one gallon per minute or less, low-flow urinals using 0.5 gallons per flush or less, and low-flow toilets using 1.28 gallons per flush or less (manufacturers' cut sheets with specifications for all fixtures provided);
3. Submittal of a detailed floor plan of the entire building showing fixtures, area designations and other appurtenances;
4. Retail sales area not to exceed 8,000 square feet;
5. If a pump system is proposed:
 - a. Use of a Branch-approved flow equalization control panel;
 - b. Configuration of the flow equalization control panel to limit the volume of effluent discharged to the drainfield such that only one timed dose is delivered upon lag float activation;
 - c. Configuration of the control panel to limit the total daily dose volume to no more than the maximum daily design flow of 200 gpd;
6. Prohibition of disposal of any cleaning/disinfecting wipes, moist towelettes, personal hygiene wipes, baby wipes, chemical cleaners including, but not limited to, quaternary ammonia compounds or any other compound which may adversely affect biological activity into the system;
7. Prohibition of disposal of any food waste (solid, liquid, or semisolid) into the system;
8. Associated Improvement Permits, Authorizations to Construct, and Operation Permits shall specify the business tenant or owner as a Family Dollar store or, in the case of multiple stores served by the same system, designation of the specific location of the Family Dollar store, and;
9. Any change of designation as a Family Dollar store requires submittal of a new application and re-evaluation of the design daily flow, wastewater characteristics and system design to determine specific suitability for the proposed change of use.
10. If a private water supply will serve the facility, we strongly recommend installation of a water meter for the Family Dollar store to ensure that the design daily flow conditions of the Operation Permit are met.

www.ncdhhs.gov • www.publichealth.nc.gov • <http://ehs.ncpublichealth.com>

Tel 888-251-5543 • Fax 919-845-3972

Location: 5605 Six Forks Road • Raleigh, NC 27609

Mailing Address: 1632 Mail Service Center • Raleigh, NC 27699-1632

An Equal Opportunity / Affirmative Action Employer

