

HYDE COUNTY HEALTH DEPARTMENT

**P.O. Box 100 Swan Quarter, NC 27885
Phone # (252) 926-4380**

IMPROVEMENT PERMIT

INITIAL INSTALLATION: XXX

EXPANSION:

REPAIR:

Permit No: 81109-12

Date: August 11, 2009

Permittee: Paul Bresnahan

Address: 1215 Gwenne Ave., Churchenton, Md. 20733

Phone No.:

Property Location: The Preserve Phase II Lot #7

Facilities to be served: 3 bedroom house

Water Supply: private well

Wastewater Flow GPD: 360

Wastewater System Type: III-c, gravity fill

Wastewater System Repair: same

Long Term Acceptance Rate: .3 gpd/sq.ft.

Absorption Area: 1200 sq.ft. consisting of 5 lines @ 80' each

Septic Tank Capacity: 1000 gallons with filter

Pump Tank Capacity: NA

Total Bed/Trench Length:

Bed/Trench Spacing: 9' on center

Maximum Bed/Trench Bottom Depth: Excavate all trenches down to a minimum of 4' depth to encounter a sand soil. Backfill with clean sand fill to the naturally occurring soil surface, then install the mound as per the mound specifications.

**IMPROVEMENT PERMIT
PAUL BRESNAHAN
PAGE 2**

CONDITIONS:

- 1. Installation of the wastewater system shall be in strict accordance with all specifications which are a part of this permit and the attached recommendations by Ralph Hollowell, Jr. RS/LSS.**
- 2. A preconstruction conference shall be held and attended by the owner or his/her representative, Ralph Hollowell, Jr., installer, and the Hyde County Health Department representative. During this conference, the wastewater system location will be flagged out and the drinking water well will be located.**
- 3. Prior to this conference, all designated wetland areas, both CAMA and Army Corps, shall have been flagged by the appropriate agency and the flagged areas shall be plainly marked at the time of the conference.**
- 4. A minimum of 100' setback shall be maintained from Warner Creek to all parts of the wastewater system. A minimum of 50' setback from all CAMA wetlands shall be maintained. No part of the wastewater shall be placed on any Army Corps designated wetland.**
- 5. Place geotextile fabric over rock trenches prior to backfilling.**
- 6. Place a 6" cap of topsoil over the drainfield area to extend 5' past the trenches prior to tapering. Shape to shed surface water and establish a grass cover. Maintain grass height not to exceed 3"-4".**
- 7. Use water conserving fixtures i.e. 1.6 gallon flush toilets, 2 gpm shower heads, 1 gpm all lavatories. Try to spread laundry loads out during the week. Do not pour grease or harsh cleaning chemicals into the house plumbing.**
- 8. An application for an Authorization to Construct a Drinking Water Well shall be submitted to the Hyde County Health Department prior to the installation of the well. The well must be installed by a N.C. Certified Well Driller who is also registered with the Hyde County Health Department.**
- 9. There shall be a minimum of 100' from the well point to all parts of the wastewater system and 25' from any building foundation. The well shall not be located in any wetland area.**

CONDITIONS (CONTD.)

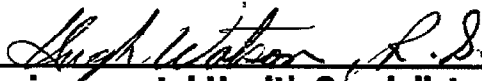
- 10. An Authorization to Construct will be issued upon final approval of the initial site modifications i.e. site clearing, trench backfill, and mound installation.**

This Improvement Permit shall be valid:

For a period of five years

upon a showing satisfactory to the Hyde County Health Department that the site and soil conditions are unaltered, that the facility, design wastewater flow, and wastewater characteristics are not increased, and that a wastewater system can be installed that meets the permitting requirements in effect on the date this permit was issued. This permit is subject to revocation if site plans or the intended use changes.

Authorized Agent:



**Environmental Health Specialist
Hyde County Health Department**

HYDE COUNTY HEALTH DEPARTMENT

**P.O. Box 100 Swan Quarter, NC 27885
Phone # (252) 926-4380**

IMPROVEMENT PERMIT

INITIAL INSTALLATION: XXX

EXPANSION:

REPAIR:

Permit No: 81109-13

Date: August 11, 2009

Permittee: Paul Bresnahan

Address: 1215 Gwenne Ave., Churchenton, Md. 20733

Phone No.:

Property Location: The Preserve Phase II Lot #25

Facilities to be served: 3 bedroom house

Water Supply: private well

Wastewater Flow GPD: 360

Wastewater System Type: III-c, gravity fill

Wastewater System Repair: same

Long Term Acceptance Rate: .3 gpd/sq.ft.

Absorption Area: 1200 sq.ft. consisting of 5 lines @ 80' each

Septic Tank Capacity: 1000 gallons with filter

Pump Tank Capacity: NA

Total Bed/Trench Length:

Bed/Trench Spacing: 9' on center

Maximum Bed/Trench Bottom Depth: Excavate all trenches down to a minimum of 4' depth to encounter a sand soil. Backfill with clean sand fill to the naturally occurring soil surface, then install the mound as per the mound specifications.

**IMPROVEMENT PERMIT
PAUL BRESNAHAN
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- 3. Prior to this conference, all designated wetland areas, both CAMA and Army Corps, shall have been flagged by the appropriate agency and the flagged areas shall be plainly marked at the time of the conference.**
- 4. A minimum of 100' setback shall be maintained from Warner Creek to all parts of the wastewater system. A minimum of 50' setback from all CAMA wetlands shall be maintained. No part of the wastewater shall be placed on any Army Corps designated wetland.**
- 5. Place geotextile fabric over rock trenches prior to backfilling.**
- 6. Place a 6" cap of topsoil over the drainfield area to extend 5' past the trenches prior to tapering. Shape to shed surface water and establish a grass cover. Maintain grass height not to exceed 3"-4".**
- 7. Use water conserving fixtures i.e. 1.6 gallon flush toilets, 2 gpm shower heads, 1 gpm all lavatories. Try to spread laundry loads out during the week. Do not pour grease or harsh cleaning chemicals into the house plumbing.**
- 8. An application for an Authorization to Construct a Drinking Water Well shall be submitted to the Hyde County Health Department prior to the installation of the well. The well must be installed by a N.C. Certified Well Driller who is also registered with the Hyde County Health Department.**
- 9. There shall be a minimum of 100' from the well point to all parts of the wastewater system and 25' from any building foundation. The well shall not be located in any wetland area.**

CONDITIONS (CONTD.)

- 10. An Authorization to Construct will be issued upon final approval of the initial site modifications i.e. site clearing, trench backfill, and mound installation.**

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Authorized Agent: *Hugh Watson, L.S.*
**Environmental Health Specialist
Hyde County Health Department**

HYDE COUNTY HEALTH DEPARTMENT

**P.O. Box 100 Swan Quarter, NC 27885
Phone # (252) 926-4380**

IMPROVEMENT PERMIT

INITIAL INSTALLATION: XXX EXPANSION: REPAIR:

Permit No: 81109-14

Date: August 11, 2009

Permittee: Paul Bresnahan

Address: 1215 Gwenne Ave., Churchenton, Md. 20733

Phone No.:

Property Location: The Preserve Phase II Lot #26

Facilities to be served: 3 bedroom house

Water Supply: private well

Wastewater Flow GPD: 360

Wastewater System Type: III-c, gravity fill

Wastewater System Repair: same

Long Term Acceptance Rate: .3 gpd/sq.ft.

Absorption Area: 1200 sq.ft. consisting of 5 lines @ 80' each

Septic Tank Capacity: 1000 gallons with filter

Pump Tank Capacity: NA

Total Bed/Trench Length:

Bed/Trench Spacing: 9' on center

Maximum Bed/Trench Bottom Depth: Excavate all trenches down to a minimum of 4' depth to encounter a sand soil. Backfill with clean sand fill to the naturally occurring soil surface, then install the mound as per the mound specifications.

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PAUL BRESNAHAN
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- 3. Prior to this conference, all designated wetland areas, both CAMA and Army Corps, shall have been flagged by the appropriate agency and the flagged areas shall be *plainly marked* at the time of the conference.**
- 4. A minimum of 100' setback shall be maintained from Warner Creek to all parts of the wastewater system. A minimum of 50' setback from all CAMA wetlands shall be maintained. No part of the wastewater shall be placed on any Army Corps designated wetland.**
- 5. Place geotextile fabric over rock trenches prior to backfilling.**
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Authorized Agent:



**Environmental Health Specialist
Hyde County Health Department**

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IMPROVEMENT PERMIT

INITIAL INSTALLATION: XXX

EXPANSION:

REPAIR:

Permit No: 81109-15

Date: August 11, 2009

Permittee: Paul Bresnahan

Address: 1215 Gwenne Ave., Churchenton, Md. 20733

Phone No.:

Property Location: The Preserve Phase II Lot #27

Facilities to be served: 3 bedroom house

Water Supply: private well

Wastewater Flow GPD: 360

Wastewater System Type: III-c, gravity fill

Wastewater System Repair: same

Long Term Acceptance Rate: .3 gpd/sq.ft.

Absorption Area: 1200 sq.ft. consisting of 5 lines @ 80' each

Septic Tank Capacity: 1000 gallons with filter

Pump Tank Capacity: NA

Total Bed/Trench Length:

Bed/Trench Spacing: 9' on center

Maximum Bed/Trench Bottom Depth: Excavate all trenches down to a minimum of 4' depth to encounter a sand soil. Backfill with clean sand fill to the naturally occurring soil surface, then install the mound as per the mound specifications.

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Authorized Agent: *Paul Bresnahan, R.I.*
**Environmental Health Specialist
Hyde County Health Department**