

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC for
a 0.92 acre site located Mann's Crossing Lot 1

in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II () III IV () V () VI ()
Description pump to 25% accepted reduction
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 600 EPGD Application Rate 0.25 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 600' x 3' x 18" max
25% accepted reduction

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III IV () V () VI ()
Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.
Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank.
Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [x] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.
The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by

Jenni C. Rutter R.S.
Environmental Health Specialist

N.C. Registration Number

1991

Date

1-22-08

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 0.92 acre site located Mann's Crossing Lot 2
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()

Description _____

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 600 EGPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 22" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [x] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Terril C. Ketter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

911 Address

Name Mann's Crossing Lot 2

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 0.92 acre site located Mann's Crossing lot 3

in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()

Description _____
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 600 EGPD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal, PT 1250 Gal if needed
Nitrification Line (Length/Width/Max Depth) 665' x 3' x 22" MAX

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()
Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-29-08

Name Mann's Crossing Lot 3 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC for
a 0.92 acre site located Mann's Crossing Lot 4
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()

Description _____

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 6000 GPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal, PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 18" MAX

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

Name Mann's Crossing Lot 4 Address 911

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.61 acre site located Mann's Crossing Lot 5
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()

Description _____

Type System: Shallow Conventional LPP ()

Other _____

Design Flow 600 EGPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665 x 3 x 14" max
Additional soil cover may be needed to maintain 6" cover over drain-
field

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()

Description SAME

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [x] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni Rutter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

911 Address

Name Mann's Crossing Lot 5

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC for
a 2.25 acre site located Mannis Crossing Lot 6
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()

Description _____

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 600 EGPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 1065' x 3' x 18" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by

Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number

1991

Date

1-30-08

911 Address

Name Mannis Crossing Lot 6

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Manns Chapel Properties LLC. for
a 1.19 acre site located Manns Crossing Lot 7
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description _____

Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 600 EPGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed
Nitrification Line (Length/Width/Max Depth) 106'5" x 3' x 18" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()
Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

Name Manns Crossing Lot 7 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Permit No. _____

Date _____

EHS _____

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Manns Chapel Properties LLC. for
a 1.15 acre site located Manns Crossing Lot 8

in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()

Description _____

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 6000 EGPD Application Rate _____ GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1050 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 18"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [x] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Toni C. Putter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

911 Address

Name Manns Crossing Lot 8

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Manns Chapel Properties LLC. for
a 1.15 acre site located Manns Crossing Lot 9

in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description _____

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 600 EGPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 20" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by

Jenni C. Kutter P.S.
Environmental Health Specialist

N.C. Registration Number

1991

Date

1-30-08

911 Address

Name Manns Crossing Lot 9

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.15 acre site located Mann's Crossing Lot 10
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()
Description _____

Type System: Shallow Conventional LPP ()
Other _____

Design Flow 600 EGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed
Nitrification Line (Length/Width/Max Depth) 665' x 3' x 20' max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()
Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [x] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenn C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-27-08

Name Mann's Crossing Lot 10 Address 911

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 1.04 acre site located Mannis Crossing Lot II

in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()

Description _____

Type System: Shallow Conventional LPP ()

Other _____

Design Flow 600 EGD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1350 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 18 max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by [Signature] R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

Name Mannis Crossing Lot II 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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EHS _____

System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC for
a 1.15 acre site located Mann's Crossing Lot 12

in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()

No. Bedrooms 5 No. Residents/Employees Max 10

Type Wastewater: Residential Commercial ()

Initial System Type: I () II III () IV () V () VI ()

Description 2' chamber

Type System: Shallow Conventional LPP ()

Other _____

Design Flow 600 EGD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 2' x 15" on high side of ditch

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [x] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-31-08

911 Address

Name Mann's Crossing Lot 12

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
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Permit No. _____

Date _____

EHS _____

System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 2.45 acre site located Mannis Crossing Lot 13

in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees MAX 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()

Description _____

Type System: Shallow Conventional LPP ()
Other _____

Design Flow 1000 EPGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed
Nitrification Line (Length/Width/Max Depth) 665 x 3' x 18" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()
Description same as 14" max

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

911 Address

Name Mannis Crossing Lot 13

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

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Phone (919) 542-8208 ▪ Fax (919) 542-8288

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Permit No. _____

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EHS _____

System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC for
a 1.35 acre site located Mann's Crossing Lot 14

in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()

Description _____

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 600 EGPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 20 mdx

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description SAME

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jeric C. Rutter P.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

911 Address

Mann's Crossing Lot 14

Name

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 0.94 acre site located Mann's Crossing Lot 15

in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()
Description _____

Type System: Shallow Conventional LPP ()
Other _____

Design Flow 600 EPGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal, PT 1250 Gal if needed
Nitrification Line (Length/Width/Max Depth) 665' x 3' x 20" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()
Description same

Special Conditions DO not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jeni C. Rette R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

Name Mann's Crossing Lot 15 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 0.94 acre site located Mannis Crossing Lot 16

in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description _____

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 6000 GPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 20" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description same

Special Conditions DO not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by [Signature] R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

911 Address

Name Mannis Crossing Lot 16

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 0.94 acre site located Mann's Crossing Lot 17

in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()

Description _____

Type System: Shallow Conventional LPP ()

Other _____

Design Flow 600 EGPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal, PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 165' x 3' x 20" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()

Description SAME

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [-] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jerri C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

911 Address

Name Mann's Crossing Lot 17

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____

Permit No. _____

Date _____

EHS _____

System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Manns Chapel Properties LLC. for
a 0.94 acre site located Manns Crossing Lot 18

in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()

No. Bedrooms 5 No. Residents/Employees max 10

Type Wastewater: Residential Commercial ()

Initial System Type: I () II III () IV () V () VI ()

Description _____

Type System: Shallow Conventional LPP ()

Other _____

Design Flow 600 EGD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal *if needed*

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 20"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank.

Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

Name Manns Crossing Lot 18 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 1.18 acre site located Mannis Crossing Lot 19

in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()

Description _____

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 1000 EPGD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 1665' x 3' x 20"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by: Jenni C. Rette R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

911 Address

Name Mannis Crossing Lot 19

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____

Permit No. _____

Date _____

EHS _____

System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 0.95 acre site located Mannis Crossing Lot 20

in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()

Description _____

Type System: Shallow Conventional LPP ()

Other _____

Design Flow 600 EGPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 20" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()

Description same at 18" max

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued-by Jenni C. Ritter R.S.

Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

911 Address

Name Mannis Crossing Lot 20

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____

Permit No. _____

Date _____

EHS _____

System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC for
a 0.97 acre site located Mann's Crossing Lot 01
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()
Description _____

Type System: Shallow Conventional LPP ()
Other _____

Design Flow 6000 EGPD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal *if needed*
Nitrification Line (Length/Width/Max Depth) 60'5" x 3' x 18" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()
Description SAME

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [X] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Verni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

Name Mann's Crossing Lot 01 Address 911

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Wann's Chapel Properties LLC. for
a 1.20 acre site located Wann's Crossing Lot 22
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description pump to 25% accepted reduction
Type System: Shallow Conventional () LPP ()

Other _____
Design Flow 600 EGPD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 500' x 3' x 20" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()
Description SAME
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

Name Wann's Crossing Lot 22 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.90 acre site located Mann's Crossing Lot 23
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description pump to 25% accepted reduction
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 600 EGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 500' x 3' x 20" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()
Description same
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [x] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Terril C. Rutter P.E.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-22-08

Name Mann's Crossing Lot 23 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.92 acre site located Mann's Crossing Lot 24 & 24a
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II () III IV () V () VI ()
Description pump to 35% accepted reduction
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 600 EPGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 500' x 3' x 20"-22"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III IV () V () VI ()
Description SAME
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

911 Address

Name Mann's Crossing Lot 24

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 1.03 acre site located Mannis Crossing Lot 25-25A
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II () III IV () V () VI ()
Description pump to 25% accepted reduction
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 600 EGPD Application Rate _____ GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal, PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 500' x 3' x 20"-22"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III IV () V () VI ()
Description SAME
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed. The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

Name Mannis Crossing Lot 25 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____

Permit No. _____

Date _____

EHS _____

System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.62 acre site located Mann's Crossing Lot 26 & 26A
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description pump to 25% accepted reduction
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 1000 EGPD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 500' x 3' x 20-22"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()
Description same
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by *Terri C. Kutter* R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

Name Mann's Crossing Lot 26 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 2.75 acre site located Mannis Crossing Lot 27 & 27A
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description pump to 25% accepted reduction
Type System: Shallow Conventional () LPP ()

Other _____
Design Flow 6000 EPGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 500' x 3' x 20-22"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()
Description SCMP
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by [Signature]
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

911 Address

Name Mannis Crossing Lot 27

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____

Permit No. _____

Date _____

EHS _____

System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Manns Chapel Properties LLC for
a 1.12 acre site located Manns Crossing Lot 28
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()

Description _____

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 6000 EGD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 20" max

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Kitter R.S.
Environmental Health Specialist

N.C. Registration Number 19911

Date 1-30-08

911 Address

Name Manns Crossing Lot 28

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.06 acre site located Mann's Crossing Lot 29
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()

Description _____

Type System: Shallow Conventional LPP ()

Other _____

Design Flow 1000 EGPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 106'5" x 3' x 18"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [X] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

911 Address

Name Mann's Crossing Lot 29

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 1.14 acre site located Mannis Crossing Lot 30
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II III () IV () V () VI ()

Description _____

Type System: Shallow Conventional LPP ()

Other _____

Design Flow 6000 EGPD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed

Nitrification Line (Length/Width/Max Depth) 665' x 3' x 18"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II III () IV () V () VI ()

Description same

Special Conditions DO not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Terru C. Ritter P.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

Name Mannis Crossing Lot 30 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 1.82 acre site located Mannis 'Crossing' Lot 31
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description _____

Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 6000 EGPD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed
Nitrification Line (Length/Width/Max Depth) 100 5 x 3 x 18"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()
Description SAME

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jerru C. Ritter P.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-30-08

Name Mannis Crossing Lot 31 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis, Chapel Properties LLC. for
a 1.18 acre site located Mannis' Crossing Lot 32
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description ~~shallow~~ shallow conventional
Type System: Shallow Conventional () LPP ()
Other _____
Design Flow 6000 EPGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal if needed
Nitrification Line (Length/Width/Max Depth) 605' x 3' x 18" maintain 6" cover over drainfield
(On contour in approved septic area; sch. 40 PVC required over step-downs)
Repair System Type: I () II () III () IV () V () VI ()
Description same
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jeni C. Rutter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-31-08

911 Address

Name Mannis Crossing Lot 32

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.10 acre site located Mann's Crossing Lot 33
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II () III IV () V () VI ()
Description pump to shallow conventional
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 600 EGPD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 665' x 3' x 18" maintain 6"
cover over drainfield

(On contour in approved septic area; sch. 40 PVC required over step-downs)
Repair System Type: I () II () III IV () V () VI ()
Description same
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.
Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank.
Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.
The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-31-08

Name Mann's Crossing Lot 33 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 1.91 acre site located Mannis Crossing Lot 34

in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II () III IV () V () VI ()
Description pump to shallow conventional
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 6000 EGPD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 665' x 3' x 18"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III IV () V () VI ()
Description same
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.
Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank.
Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.
The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Tami C. Rether P.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-31-08

911 Address

Name Mannis Crossing Lot 34

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 1.47 acre site located Mannis Crossing Lot 35
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II () III IV () V () VI ()
Description pump to shallow conventional
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 6000 EGPD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 665' x 3' x 20"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III IV () V () VI ()
Description same
Special Conditions DO not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Ritter P.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-31-08

Name Mannis Crossing Lot 35 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mannis Chapel Properties LLC. for
a 1.13 acre site located Mannis Crossing Lot 36
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial ()
Initial System Type: I () II () III IV () V () VI ()
Description pump to shallow conventional
Type System: Shallow Conventional () LPP ()

Other _____
Design Flow 600 EGPD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 1065' x 3' x 16" maintain 6" cover over drainfield

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III IV () V () VI ()
Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [-] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by [Signature]
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-31-08

Name Mannis Crossing Lot 36 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.06 acre site located Mann's Crossing Lot 37
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description pump to shallow conventional
Type System: Shallow Conventional () LPP ()
Other _____

Design Flow 6000 EPGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 60'5" x 3' x 16" maintain 6" cover over drainfield

(On contour in approved septic area; sch. 40 PVC required over step-downs)
Repair System Type: I () II () III () IV () V () VI ()
Description same
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.
Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.
The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jeni C. Ritter R.S.
Environmental Health Specialist

N.C. Registration Number 1991
Date 1-31-08

Name Mann's Crossing Lot 37 911 Address _____

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.43 acre site located Mann's Crossing Lot 38438A
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential
No. Bedrooms 3 No. Residents/Employees Max 10
Type Wastewater: Residential Commercial
Initial System Type: I II III IV V VI
Description pump to accepted 25% reduction
Type System: Shallow Conventional LPP

Other _____
Design Flow 3600 EPGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1000 Gal PT 1000 Gal
Nitrification Line (Length/Width/Max Depth) 300' x 3' x 18"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I II III IV V VI
Description same
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.

The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jew C. Pate P.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-31-08

911 Address

Name Mann's Crossing Lot 38

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems
ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION

An Improvement Permit is issued to Manns Chapel Properties LLC. for
a 1.73 acre site located Manns Crossing Lot 39 = 39A
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()

No. Bedrooms 4 No. Residents/Employees Max 8

Type Wastewater: Residential () Commercial ()

Initial System Type: I () II () III () IV () V () VI ()

Description pump to accepted 25% reduction

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 480 EPGD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1000 Gal PT 1000 Gal

Nitrification Line (Length/Width/Max Depth) 400 x 3' x 18"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.
The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by *Hemi C. Ritter R.S.*
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-31-08

Name Manns Crossing Lot 39 911 Address

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Mann's Chapel Properties LLC. for
a 1.79 acre site located Mann's Crossing Lot 40 = 40A
in Chatham County. It is specifically issued for the following facility:

Facility: Residential Non-Residential ()

No. Bedrooms 4 No. Residents/Employees Max 8

Type Wastewater: Residential () Commercial ()

Initial System Type: I () II () III IV () V () VI ()

Description pump to accepted 25% reduction

Type System: Shallow Conventional () LPP ()

Other _____

Design Flow 480 EPGD Application Rate 0.30 GPD/ft²

Size Tank(s) w/Risers and Effluent Filter ST 1000 Gal PT 1000 Gal

Nitrification Line (Length/Width/Max Depth) 400' x 3' x 12" *Contractor to meet onsite prior to installation

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III IV () V () VI ()

Description same

Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.

Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank. Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed. The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Rittler P.S.
Environmental Health Specialist

N.C. Registration Number 1991

Date 1-31-08

911 Address

Mann's Crossing Lot 40

Name

CHATHAM COUNTY HEALTH DEPARTMENT ENVIRONMENTAL HEALTH DIVISION

80 East Street ▪ P. O. Box 130 ▪ Pittsboro, NC 27312-0130
Phone (919) 542-8208 ▪ Fax (919) 542-8288

OFFICE USE ONLY

TPN _____
Permit No. _____
Date _____
EHS _____
System Type _____

Improvement Permit for Wastewater Systems ARTICLE II-CHAPTER 130A OF THE NC GENERAL STATUTES

NEW REPAIR EXPANSION REVISED

An Improvement Permit is issued to Manns Chapel Properties LLC. for
a 1.91 acre site located Manns Crossing Lot 41
in Chatham County. It is specifically issued for the following facility:

Facility: Residential () Non-Residential ()
No. Bedrooms 5 No. Residents/Employees Max 10
Type Wastewater: Residential () Commercial ()
Initial System Type: I () II () III () IV () V () VI ()
Description pump to accepted 25% reduction
Type System: Shallow Conventional () LPP ()

Other _____
Design Flow 6000 EPGD Application Rate 0.30 GPD/ft²
Size Tank(s) w/Risers and Effluent Filter ST 1250 Gal PT 1250 Gal
Nitrification Line (Length/Width/Max Depth) 500' x 3' x 18"

(On contour in approved septic area; sch. 40 PVC required over step-downs)

Repair System Type: I () II () III () IV () V () VI ()
Description same
Special Conditions Do not disturb soil

A plat with site plan showing specific location of the facility, the site for the proposed wastewater system, existing buildings, property lines, water supplies, surface waters, the conditions for any site modifications; and any other information required by the department must be attached to be valid.
Septic tank riser 6" above grade required over outlet access port as a visible marker for the septic tank.
Solid PVC with elbows must be used to construct conveyance over dams or stepdowns.

This permit is valid [] without expiration [] for five years but is subject to revocation if the site is altered, soil disturbed, set-backs violated, or the plans of intended use are changed.
The Improvement Permit shall not be affected by change in ownership.

THIS IS NOT AUTHORIZATION TO INSTALL. An authorization for Wastewater Construction must be obtained from this department before installation.

Issued by Jenni C. Rutter R.S.
Environmental Health Specialist

N.C. Registration Number 1991
Date 1-31-08

Name Manns Crossing Lot 41 911 Address