



Onslow County Health Department
 234 Northwest Corridor Blvd
 Jacksonville, North Carolina 28540
 Phone: (910) 938-5851 Fax: (910) 989-5819

OPERATIONS PERMIT

(GS 130A-337)

Permit No: **EOP2016-00103**

Category: Operations Permit New

Owner: RENCHEN BARBARA ANN
Address 201 CYPRESS BRANCH WAY JACKSONVILLE 28546
Parcel: 45C-21 **SR #:**
Subdivision: CYPRESS MANOR AT RIVER BLUFF
Lot: 21 **Section:** **Phase:** 1
Block: **Part:** **System:**
Unit: **Division:** **Tract:**
Location:

FINAL PLOT / REMARKS

System Type: III

System Classification: c. Conventional system with shallow placement

Manufacturer: Chamber

Model #: IQ4W

System Info: INSTALLED4(3'x50') CHAMBER Lines for Initial 6" cover required / 3(3'x50') 25% Reduction System for Repair. Lots 21 and 22 combined. System permitted for lot 21 to be installed; lot 22 permit to be revoked.

Note: Type V and VI systems expire in 5 years. (In accordance with Table Va of .1961). Owner must contact the Onslow County Health Department 6 months prior to expiration for permit renewal. Onslow County Health Department is required to inspect the following system types: IIIb, every 5 years; IV, every 3 years; V, once per year and VI, every six months.

Facility/Daily design flow: **4 BEDROOM RESIDENCE / 480 GPD**

Water Supply: Public

Installed By: DUNCAN FAIRES
 Business Name: FAIRES CONSTRUCTION

Signed By: Sam Frazelle _____  _____ Date: _____ 04/01/2016

This system has been installed in compliance with applicable NC General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the I.P. and C.A. This system shall perform in accordance with I5A NCAC 18A Rule .1961. Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank periodically removed from all compartments. The contents shall be pumped, by approved means, whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

THE ISSUANCE OF THIS O.P. DOES NOT CONSTITUTE AN ONSLOW COUNTY WARRANTY OR GUARANTEE OF THE FUNCTIONALITY OF THE WASTEWATER SYSTEM.

Owner: CYPRESS MANOR AT RIVER
 Address: LOT 21
 Location: 201 CYPRESS BRANCH WAY

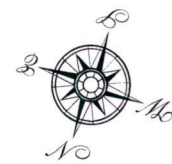
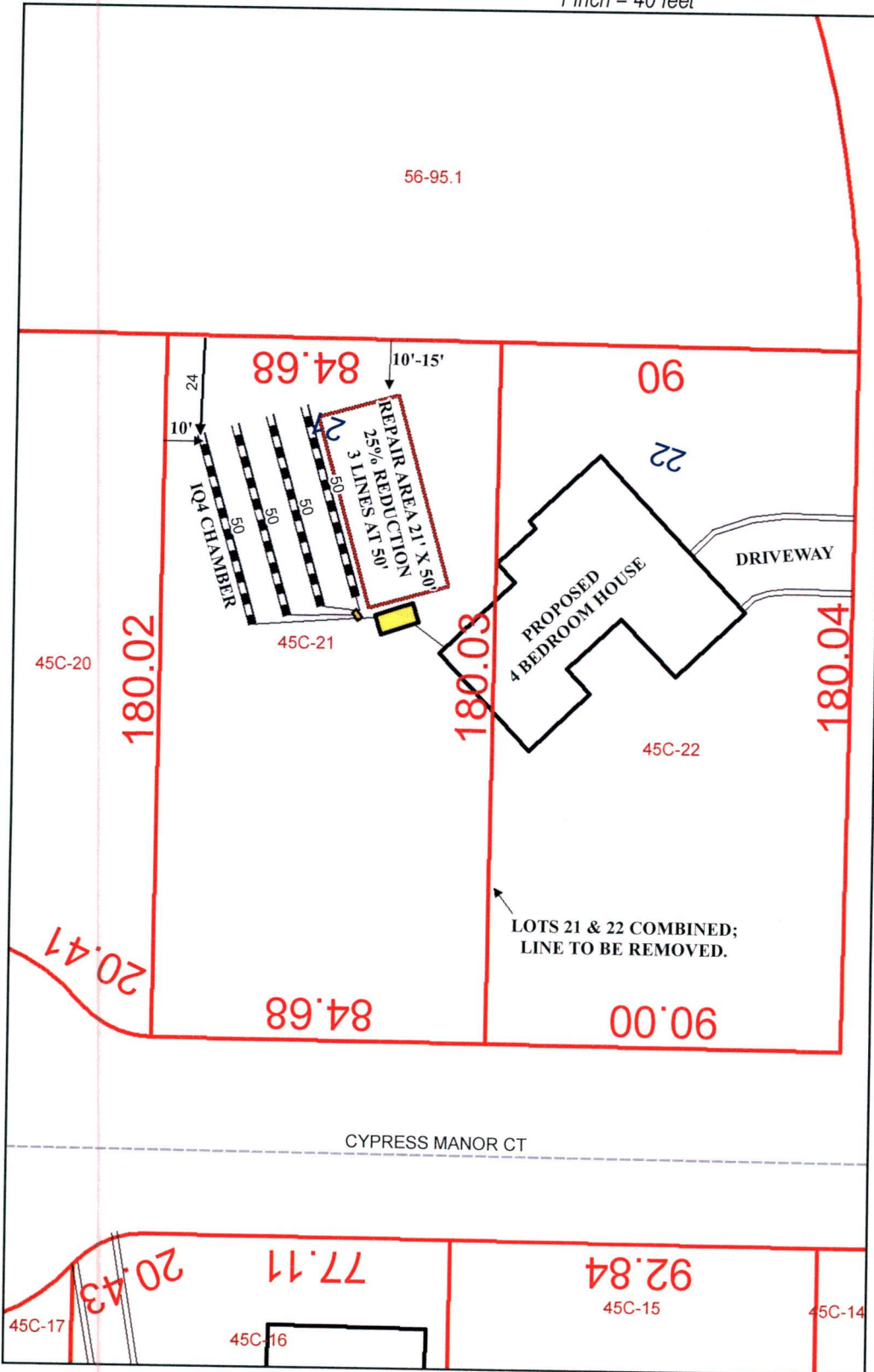
"AS BUILT"
4/1/16
PLOT PLAN

Addendum to permit # EOP2016-00103
 Page 1 of 1

1 inch = 40 feet

Additional Permit Conditions:

1. Do not park or drive on any part of system or repair area.
2. Nitrification trench aggregate shall be covered with straw, untreated paper or other approved materials prior to final cover/backfilling.
3. Do not install system under wet conditions.
4. Adhere to minimum set back requirements as stated in Rule .1950 and .1951 of NC Laws and Rules for Sewage Treatment and Disposal System (Article 11, G.S. Chapter 130A) unless otherwise indicated on this permit.
5. Rock used in soil absorption systems shall be clean, washed gravel or crushed stone and graded or sized in accordance with size numbers 3, 4, 5, 57, or 6 of ASTM D-448 (standard sizes of coarse aggregate) which is hereby adopted by reference in accordance with G.S. 150 B-14 (c). Documentation of aggregate size shall be available upon request.
6. All pump tanks shall be tested for water tightness. Septic tanks may be subject to a water tightness test.
7. The septic tank is designed to receive sewage or wastewater under gravity flow. However, if a system subject to the N.C. Plumbing Code is used to pump raw sewage to the septic tank, the sewage shall be reduced to gravity/non-turbulent flow by approved means at the inlet of the septic tank.
8. An accepted wastewater system may also be installed in accordance with the accepted wastewater system approval. (Maximum LTAR of 1.0 gpd/ft2)
9. Run lines parallel to contour. System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to insure that proper grade is maintained.
10. A recorded plat or deed and corresponding map shall be submitted to the Environmental Health Section of the Onslow County Health Department PRIOR TO the issuance of the Construction Authorization.
11. An APPROVED stormwater plan shall be submitted to the Environmental Health Section of the Onslow County Health Department PRIOR to issuance of a Construction Authorization.
12. FOR DWELLING UNIT WASTEWATER SYSTEMS ONLY – This wastewater system is designed only for the number of bedrooms shown as bedrooms or sleeping rooms on the building/floor plan approved by Onslow County Code Enforcement. No other room or space may be relabeled as a bedroom, used as a bedroom, or converted into a bedroom without prior approval from Onslow County Environmental Health.



SYSTEM DESIGN

# BEDROOMS/ GPD:	4 BEDROOMS/480 GPD
SYSTEM TYPE:	CHAMBER
% REDUCTION:	NA
LTAR:	.8
SQ. FT.	600'
LINEAR FEET	200'
# OF LINES:	4
LENGTH EACH LINE:	50'
TRENCH BOTTOM:	24"
TRENCH WIDTH:	3' FEET
FEET ON CENTER(LINES)	9' FEET
REPAIR AREA:	25% REDUCTION 3 Lines @ 50'

****WARNING: THIS IS NOT A SURVEY! ****

This map is prepared for the inventory of real property found within this jurisdiction, and is compiled from recorded deeds, plats, and other public records and data. Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information contained on this map. The County and mapping company assume no legal responsibility for the information contained on this map.



Onslow County Health Department
 234 Northwest Corridor Blvd
 Jacksonville, North Carolina 28540
 Phone: (910) 938-5851 Fax: (910) 989-5819

CONSTRUCTION AUTHORIZATION

(GS 130A-336)

Permit No: **ECA2015-00515**

Category: New

(Required for Building Permit)

THIS AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION SHALL BE VALID FOR A PERIOD EQUAL TO THE PERIOD OF VALIDITY OF THE IMPROVEMENT PERMIT. NOT TO EXCEED 5 YEARS.

Owner: RENCHEN BARBARA ANN

Address: 201 CYPRESS BRANCH WAY JACKSONVILLE 28546

SR #:

Subdivision: CYPRESS MANOR AT RIVER **Lot:** 21 **Section:** **Phase:** 1
 BLUFF
Block: **Part:** **System:** **Unit:** **Division:** **Tract:**

Location:

System Type/Description: II Conventional

System Classification: a. Conventional septic system (single family or 480 GPD or less)

Facility/Daily design flow: **4 BEDROOM RESIDENCE / 480 GPD**

System Info: 4(3'x50') Conventional Lines for Initial 6" cover required / 3(3'x50') 25% Reduction System for Repair. Lots 21 and 22 combined. System permitted for lot 21 to be installed; lot 22 permit to be revoked.

LTAR: .8 gpd/sq. ft.

Water Supply: Public

Septic Tank Size: MINIMUM 1000 gallons

Grease Trap Size NA gallons

Pump Tank Size: NA gallons

Nitrification Area: 600 sq. ft.

Nitrification Area: 200 lin. ft.

No of Lines: 4

Line Length: 50'

Line Width: 3'

Trench Bottom Depth: 24" AT DEEPEST POINT (START 12"-15")

(SEE ATTACHED PAGES 1 - 1 of 1 FOR ADDITIONAL PERMIT CONDITIONS)

Signed By: James Teachey

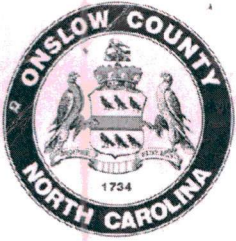
James Teachey, LEHS

Date:

09/29/2015

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. This Construction Authorization shall not be transferred when there is a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958 and .1959 are incorporated by reference into this permit and shall be met.

THE ISSUANCE OF THIS C.A. DOES NOT CONSTITUTE AN ONSLOW COUNTY WARRANTY OR GUARANTEE OF THE FUNCTIONALITY OF THE WASTEWATER SYSTEM



Onslow County Health Department
612 College Street
Jacksonville, North Carolina 28540
Phone: (910) 938-5851 Fax: (910) 989-2341

IMPROVEMENT PERMIT
(GS 130A-336)

Permit No: **EIP2010-01184**
Category: Individual Dwelling

Expiration: Valid for 5 years from date of issuance

Owner: MABR COMPANY INC

Address: THOMAS LOOP RD JACKSONVILLE, NC 28540

Subdivision: CYPRESS MANOR

Lot: 21

Section

Block:

Phase:

Location: HWY 24 TOWARD RICHLANDS RIGHT ONTO NORTHWEST BRIDGE RD RIGHT INTO RIVER BLUFF TAKE FIRST LEFT AND THEN 1ST RIGHT LOTS AT END

SR #:

System Type/Description: II Conventional

System Classification: a. Conventional septic system (single family or 480 GPD or less)

System Info: 4(3'x50') Conventional Lines for Initial 6" cover required / 3(3'x50') 25% Reduction System for Repair.

Facility/Daily design flow: 4 Bedroom Residence / 480 GPD

LTAR: 0.8 gpd/sq. ft.

Water Supply: Public

(SEE ATTACHED PAGES 1 - 1 of 1 FOR ADDITIONAL PERMIT CONDITIONS)

Signed By: Adam Locklear

Date:

02/09/2011

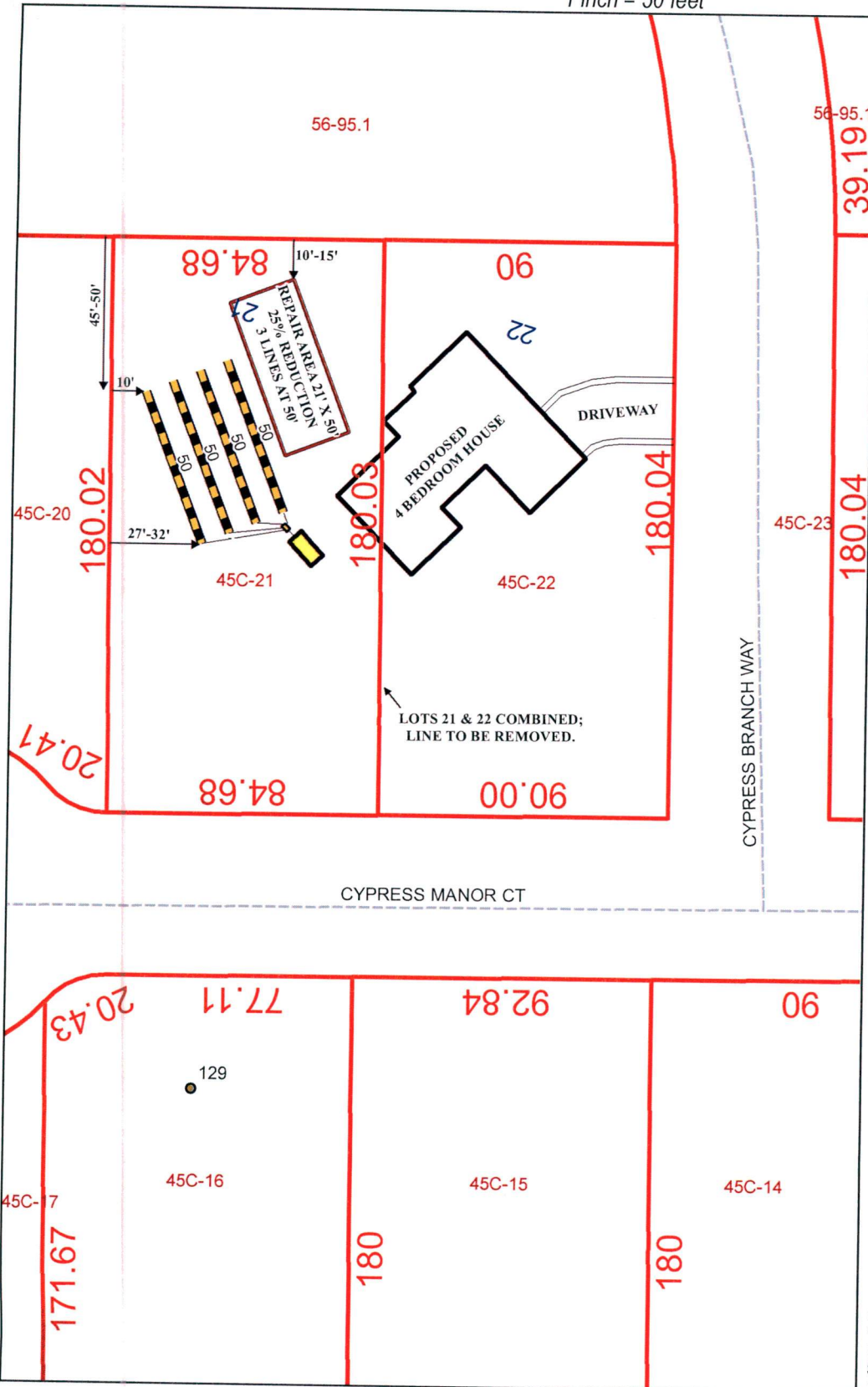
NOTE: Permit is subject to revocation if site plans or intended use change.

Owner: RENCHEN, BARBARA ANN
 Address: 201 CYPRESS BRANCH WAY
 Location: LOT 21 (&22) CYPRESS MANOR

Addendum to permit # ECA2015-00515
 Page 1 of 1

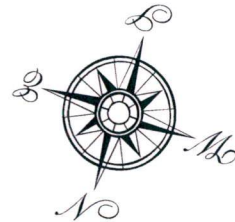
9/29/2015
PLOT PLAN

1 inch = 50 feet



Additional Permit Conditions:

1. Do not park or drive on any part of system or repair area.
2. Nitrification trench aggregate shall be covered with straw, untreated paper or other approved materials prior to final cover/backfilling.
3. Do not install system under wet conditions.
4. Adhere to minimum set back requirements as stated in Rule .1950 and .1951 of NC Laws and Rules for Sewage Treatment and Disposal System (Article 11, G.S. Chapter 130A) unless otherwise indicated on this permit.
5. Rock used in soil absorption systems shall be clean, washed gravel or crushed stone and graded or sized in accordance with size numbers 3, 4, 5, 57, or 6 of ASTM D-448 (standard sizes of coarse aggregate) which is hereby adopted by reference in accordance with G.S. 150 B-14 (c). Documentation of aggregate size shall be available upon request.
6. All pump tanks shall be tested for water tightness. Septic tanks may be subject to a water tightness test.
7. The septic tank is designed to receive sewage or wastewater under gravity flow. However, if a system subject to the N.C. Plumbing Code is used to pump raw sewage to the septic tank, the sewage shall be reduced to gravity/non-turbulent flow by approved means at the inlet of the septic tank.
8. An accepted wastewater system may also be installed in accordance with the accepted wastewater system approval. (Maximum LTAR of 1.0 gpd/ft2)
9. Run lines parallel to contour. System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to insure that proper grade is maintained.
10. A recorded plat or deed and corresponding map shall be submitted to the Environmental Health Section of the Onslow County Health Department PRIOR TO the issuance of the Construction Authorization.
11. An APPROVED stormwater plan shall be submitted to the Environmental Health Section of the Onslow County Health Department PRIOR TO issuance of a Construction Authorization.
12. FOR DWELLING UNIT WASTEWATER SYSTEMS ONLY – This wastewater system is designed only for the number of bedrooms shown as bedrooms or sleeping rooms on the building/floor plan approved by Onslow County Code Enforcement. No other room or space may be relabeled as a bedroom, used as a bedroom, or converted into a bedroom without prior approval from Onslow County Environmental Health.



SYSTEM DESIGN

BEDROOMS/ GPD: 4 BEDROOM / 480GPD
 SYSTEM TYPE: Ila CONVENTIONAL
 % REDUCTION: NA
 LTAR: .8
 SQ. FT.: 600
 LINEAR FEET: 200
 # OF LINES: 4
 LENGTH EACH LINE: 50
 TRENCH BOTTOM: 24" AT DEEPEST POINT
 TRENCH WIDTH: 3 FEET
 FEET ON CENTER(LINES): 9 FEET
 REPAIR AREA: .8 LTAR, 25% REDUCTION SYSTEM
3 LINES AT 50', 24" TB

****WARNING: THIS IS NOT A SURVEY! ****

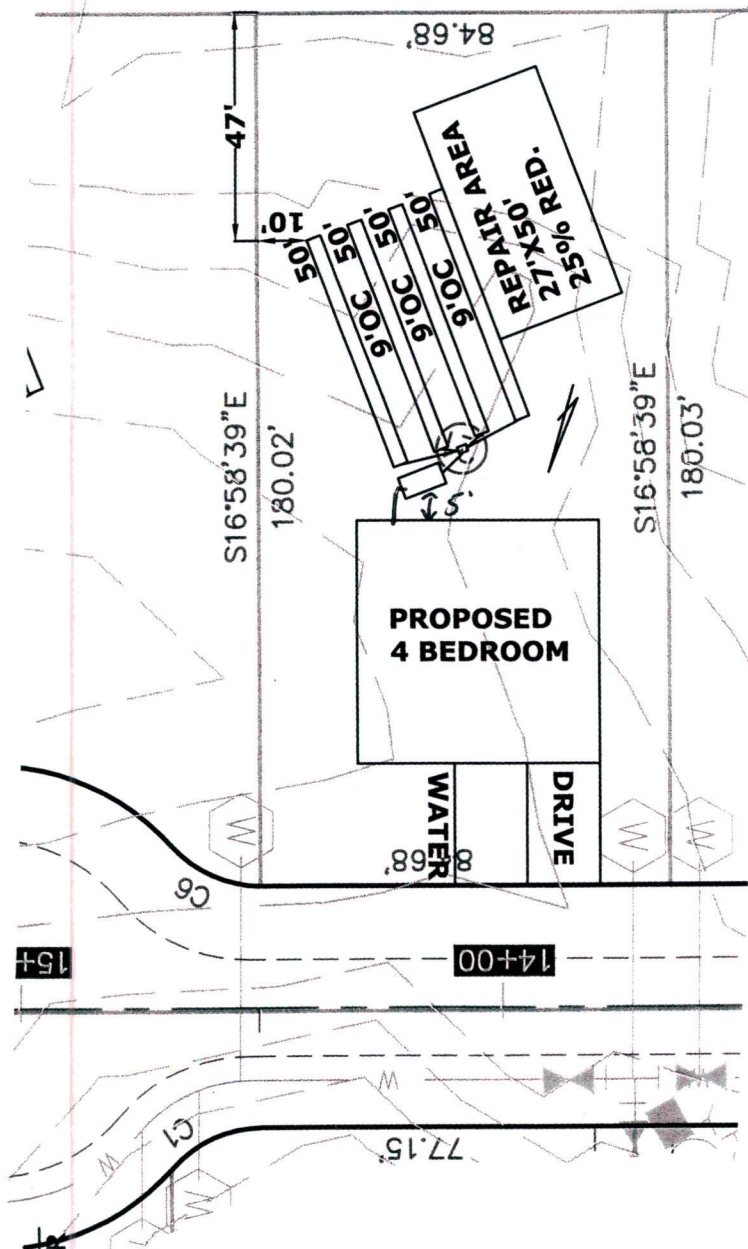
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Owner: CYPRESS MANOR
 Address: LOT 21
 Location: OFF NW BRIDGE ROAD

Addendum to Permit # EZP2010-01184
 Page 1a of 1

PLOT PLAN

APPROX SCALE 1"=40'



ADDITIONAL PERMIT CONDITIONS:

1. Do not park or drive on any part of the septic system or repair area.
2. Nitrification trench aggregate shall be covered with straw, untreated paper or other approved materials prior to final cover / backfilling.
3. Do not install system under wet conditions.
4. Rock used in soil absorption systems shall be clean, washed gravel or crushed stone and graded or size in accordance with size numbers 3, 4, 5, 57, or 6 of ASTM D-448 (standard sizes of coarse aggregate) which is hereby adopted by reference in accordance with G.S. 150 B-14 (c). Documentation of aggregate size shall be available upon request.
5. Adhere to minimum setback requirements as stated in Rule .1950 and .1951 of NC Laws and Rules for Sewage Treatment, and Disposal Systems (Article 11, G.S. Chapter 130A), unless otherwise indicated in this permit.
6. All pump tanks shall be tested for water tightness. In addition, septic tanks may be subject to a water tightness test.
7. The septic tank is designed to receive sewage or wastewater under gravity flow. However, if a system subject to the N.C. Plumbing Code is used to pump raw sewage to the septic tank, the sewage shall be reduced to gravity/non-turbulent flow by approved means at the inlet of the septic tank.
8. An accepted wastewater system may also be installed in accordance with the Accepted Wastewater System Approval (AWWS-05-01 or AWWS-05-02). Maximum LTAR of 1.0 gpd / ft².
9. Run lines parallel to contour. System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to insure that proper grade is maintained.
10. A recorded plat or deed and corresponding map shall be submitted to the Environmental Health Section of the Onslow County Health Department **PRIOR TO** the issuance of the Construction Authorization.
11. An **APPROVED** stormwater plan shall be submitted to the Environmental Health Section of the Onslow County Health Department **PRIOR** to issuance of a Construction Authorization.
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SYSTEM DESIGN

INITIAL
 4 BEDROOM
 LTAR .8
 4-50' CONVENTIONAL LINES
 24"TB
 >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM

REPAIR AREA
 4 BEDROOM
 LTAR .8
 3-50' 25% Reduction System
 24"TB
 >6" SOIL COVER REQUIRED OVER SYSTEM AND 5' BEYOND SYSTEM