

BRUNSWICK COUNTY HEALTH DEPARTMENT
P.O. BOX 9 BOLIVIA, N.C. 28422 (910) 253-2250

IMPROVEMENT PERMIT

PERMIT IS SUBJECT TO REVOCATION IF SITE PLANS OR THE INTENDED USE CHANGE

An Authorization for Wastewater Construction must be attached to the Improvement Permit before any other permit can be issued and before a wastewater system can be installed.

Supporting documents such as the completed application form, site evaluation form, fill plan, etc. are considered a part of the Improvement Permit.

Applicants Name: Ted Bordelon Tax Parcel: 0971A023

Lot: 39 Block: B Sec: 1 Subdivision: Deerfield Estates

Residential: XX Water Supply: Private (well) XX Public _____

No. of units: 1 No. of bedrooms 4 No. of occupants 8 Max

Commercial: N/A Type of business: N/A No. of employees: N/A No. of Seats: N/A

Size of septic tank (gals): 1000 LTAR: 0.4 gpd/sq.ft. Drainfield sq. feet: 1200

No. of Lines: 5 Length ea.: 80' Bed width N/A Bed : N/A Design Flow gpd: 480
 (Center Distribution)

Trench/ Bed bottom depth no deeper than: 18" inches Pump tank volume: N/A
 (If applicable)

If applicable, the following conditions must be met prior to issuance of an **Authorization for Wastewater Construction** and prior to wastewater system installation.

- Keep 100 feet from all water supplies (minimum of 50 feet must be maintained).
- Keep 10 feet from all water lines .
- Keep 10 feet from any property lines (no less than 5 feet for lots recorded prior to 7/1/77)
- Do not drive over, park, pave, or build any structure over the area for the septic tank system and the repair area if applicable.
- Do not install the septic system during wet conditions.
- Maintain Gravity Flow for septic system.
- Drainage Maintenance Required.
- Suitable Fill material must be installed exactly per the Health Department approved fill plan.
Fill check must be completed by the Health Dept. prior to issue of Authorization for Wastewater Construction Permit.
- Approved for use of Alternative/Innovative Wastewater System (Specify) _____
- Submit Wastewater plans to the Health Department for review/approval
- If Septic System Uses Rock Aggregate/Approved Filter Fabric Covering Required
- Septic Tank System must be installed per the Construction Authorization Permit.
- Existing septic tank shall be properly abandoned prior to issuance of the Construction Authorization Permit.
- If repair area is ever needed old drainlines will need to be properly abandoned

IMPROVEMENT PERMIT ISSUANCE DATE: 2/26/07 EXPIRATION DATE: 2/26/12

This permit expires 60 months from the date of issuance unless otherwise specified

Permit Not Valid Unless Signed by Authorized Agent: Rebecca M. Bigford
 Signature

Actions of Brunswick County Health Department representatives engaged in the evaluation and determination of measures required to effect compliance with the applicable laws and rules shall in no way be taken as a warranty that sewage treatment and disposal systems approved and permitted will function in a satisfactory manner for any given period of time. Permit is subject to revocation if the site plan or plat whichever is applicable, or the intended use changes.

The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances which may be imposed by other government agencies (local, state, and federal) which have jurisdiction.

SEPTIC TANKS SHALL HAVE AN APPROVED EFFLUENT FILTER & ACCESS DEVICES

NOTE: Contact Health Department and request recheck of site once existing septic tank has been abandoned. See attached sheet showing location of septic to be abandoned plus sheet listing recommendations for wastewater system abandonment.

BRUNSWICK COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PO BOX 9, BOLIVIA, NC 28422

CONVENTIONAL FILL WASTEWATER SYSTEM

Fill

In some cases your property can be modified in order to install a conventional or modified conventional septic tank system. A commonly accepted Site Modification is the use of fill.

Fill is a specific amount of soil (sand to sandy loam) placed in an area designated for the septic system to overcome limitations of the soil and site due to shallow soils, shallow seasonal high water tables, restrictive soil horizons and other soil characteristics. Fill can be placed on a site to raise the area for the nitrification drain lines. The area and depth of the fill will vary due to the limiting soil condition.

The following fill plan is for your proposed site and may be subjected to revision if the information changes on your Improvement Permit.

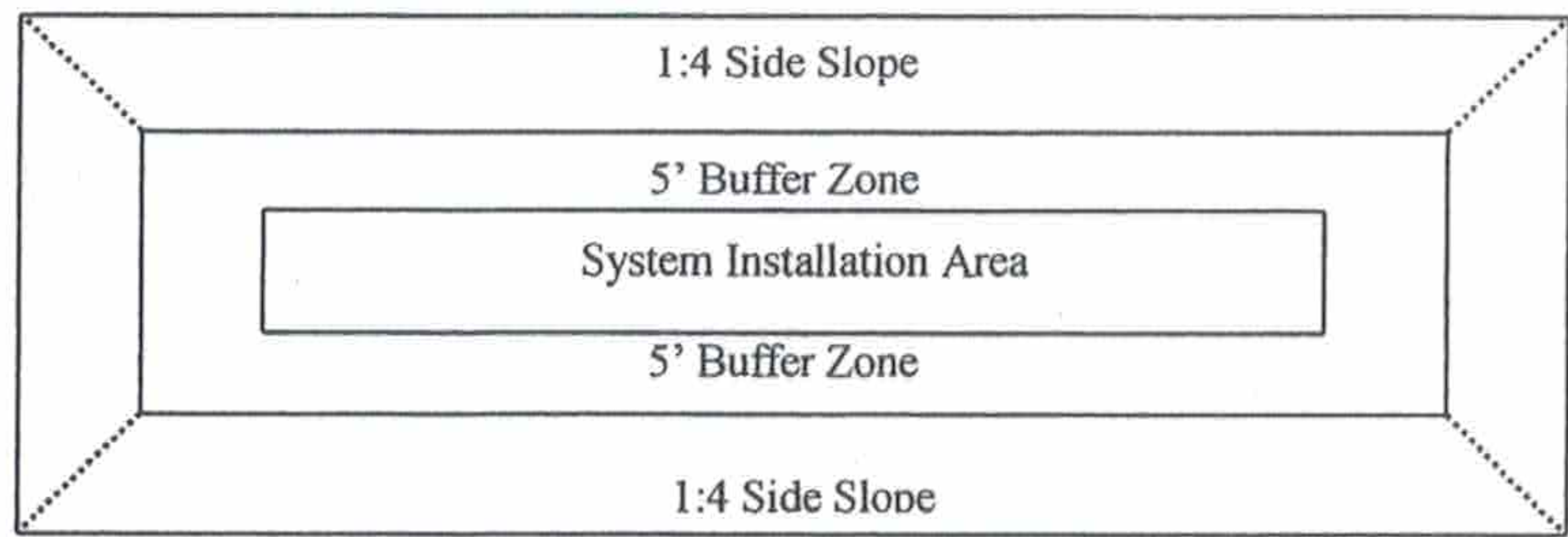
Fill Plan for: Ted Bordelon

Fill Proposal by: Rebecca Bigford

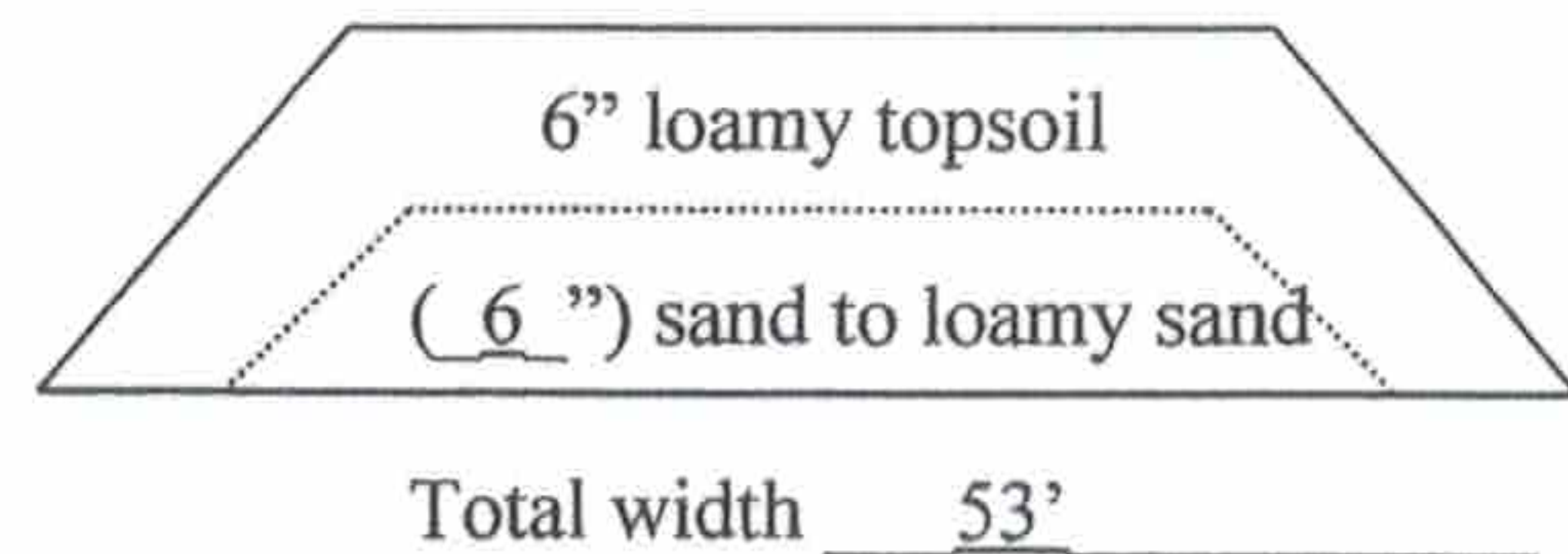
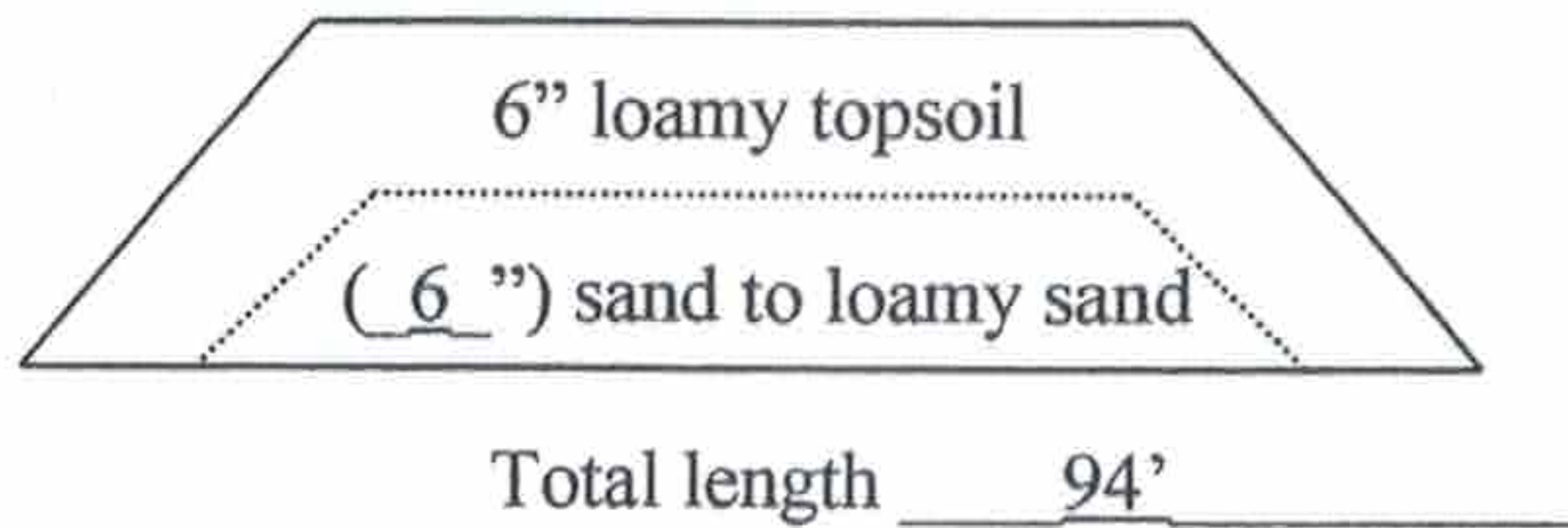
Date: 2-26-07

Design Flow/day: 480
Application rate: 0.4
Total depth of fill: 6"-12"
Total area of fill: 53' X 94'
1. System and Buffer zone: 49' X 90'
2. Length of Side slope: 4'

Top view (not to scale)



Cross sections (not to scale)



Fill Procedure:

1. Prior to installation of fill, remove vegetation and root mat and disk fill area
2. After the addition of 4" to 6" of sand or loamy sand fill, disk fill site again to provide a mix of fill and natural soil to a depth of 6" below the natural ground surface.
3. Add enough additional sand or loamy sand fill to achieve a depth of (") in system installation and buffer zone area. This area including side slopes shall be covered with an additional 6" of fine textured soil (group II or group III) to establish vegetative ground cover after system is installed at grade. Total depth of fill is (").
4. Construct a 1:4 side slope as shown from the top edge of the fill tapered down to the natural ground surface.
5. Achieve level grade along long axis of fill.
6. The fill system shall be shaped to shed surface water.
7. Call for re-inspection by Health Department.
8. After installation of the sewage system, the fill area shall be reshaped to shed surface water and seeded with grass and covered with hay, pine straw or an approved landscape fabric to establish vegetative ground cover.

Notes: Home site may need to be modified/raised to insure gravity flow to system. Any setbacks required are measured from the outer edge of the fill.

EHS Signature _____

Date _____

This signature affirms that the fill as described above has been checked and approved by the above Environmental Health Specialist.

***** SEE FILL PLAN SKETCH *****

FILL PAD MUST BE INSTALLED IN AREA DESIGNATED BY HEALTH DEPT

Brunswick County Health Department

Fill Plan Sketch (Not to Scale)

Fill pad must be located in specific area indicated. Variations may result in the revocation of the Improvement Permit.

Not to Scale!!!

SYSTEM REQUIREMENTS:

System Type: IIIC

Number of Bedrooms: 4

Type of Business: N/A

Number of Employees: N/A

Septic Tank Size: 1000

LTAR: .4 Sq. Ft.: 1200

No. Lines: 5 Length Ea. 80

Line Width: 3' Line Center: 9'

Line Depth: 18"

Fill Depth: 6"-12"

Fill Area: 53' X 94'

Please
See
Attached
Sketch

CONDITIONS!!!

- 1) Read fill plan very carefully!
- 2) Properly prepare approved septic location for required fill to be added.
- 3) Landscaping of site by addition of fill only!
- 4) Place fill on site in EXACT location shown. LEVEL surface of fill over system area and buffer zone. Slope as required. Call for a FILL CHECK when ready.
- 5) Raise plumbing of structure to allow sufficient gravity flow to septic system in fill.
- 6) No driving over any part of the septic system or repair area!!!
- 7) No decks, porches, sheds, patios, pools, etc. over any part of septic system or repair area.
- 8) Keep all setbacks as shown!!!
- 9) **Initial fill installation shall be 26.5" lower than Benchmark**
- 10) **Benchmark = top of second iron pin on right property line**
- 11) **Final cover shall be 20.5" lower than Benchmark**
- 12) *****PRE-CONSTRUCTION CONFERENCE REQUIRED!!**



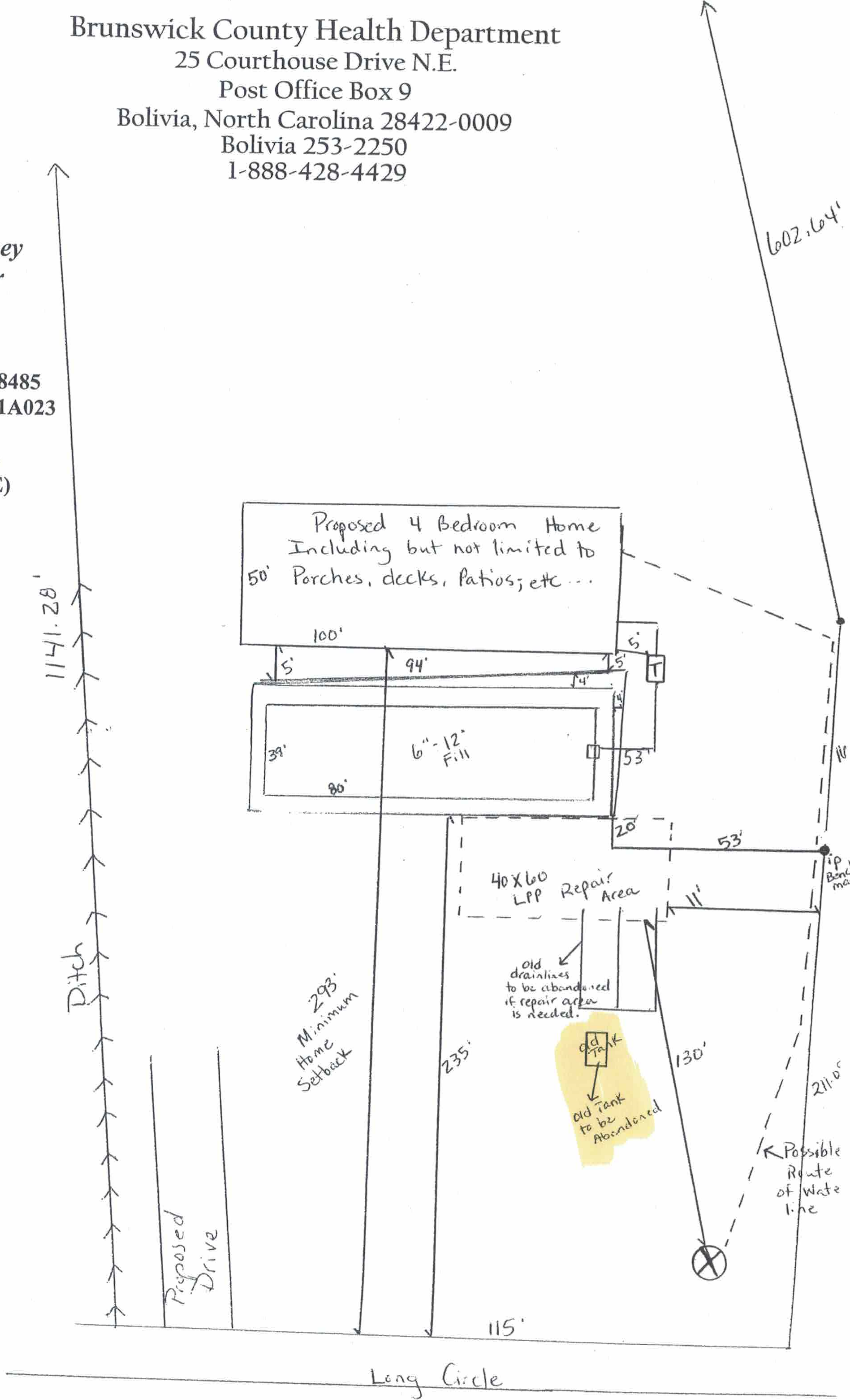
Brunswick County Health Department
25 Courthouse Drive N.E.
Post Office Box 9
Bolivia, North Carolina 28422-0009
Bolivia 253-2250
1-888-428-4429

Donald J. Yousey
Health Director

Date: 2-27-07

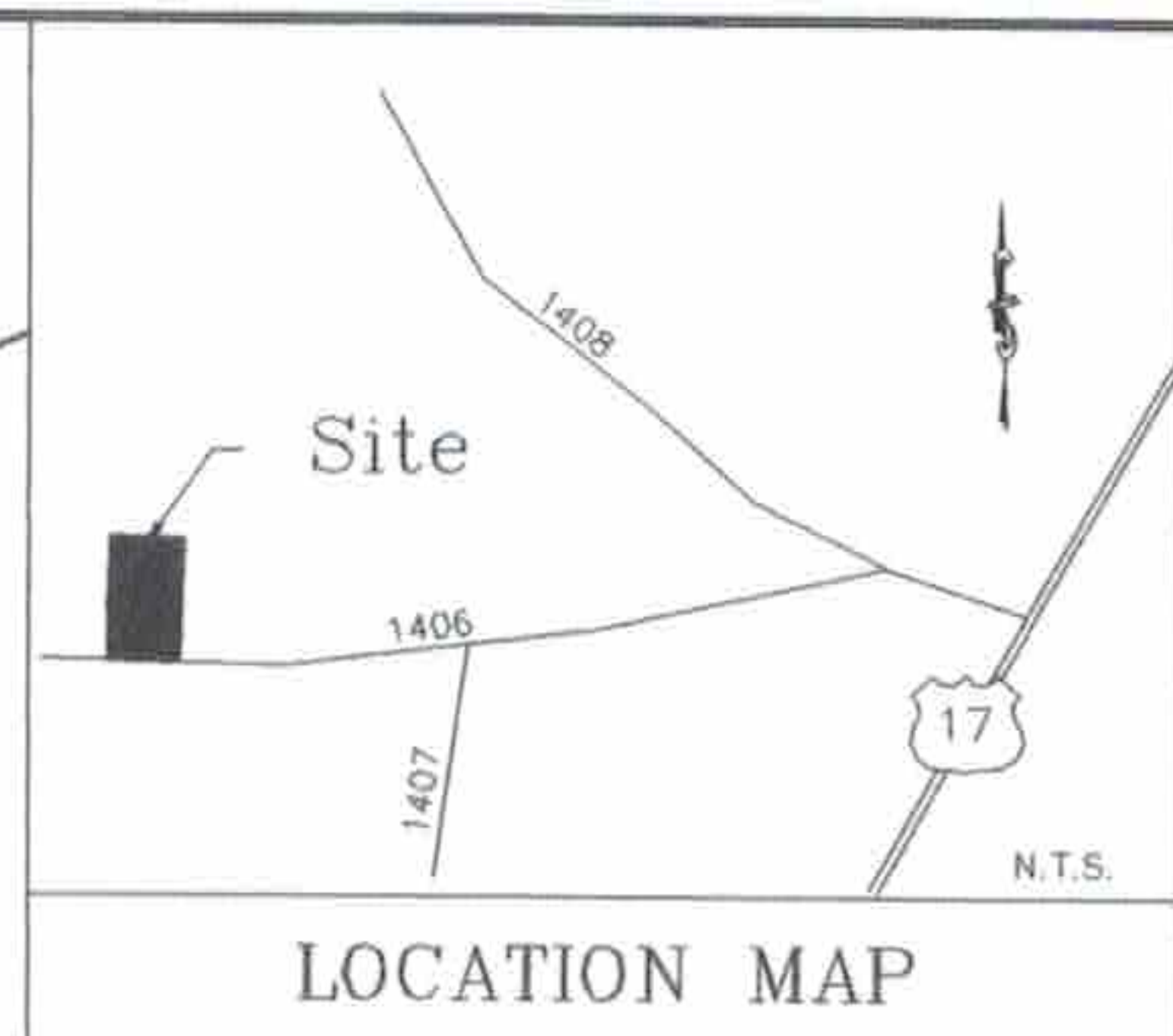
BCHD # 2007.068485
Tax Parcel # 0971A023

SITE DRAWING
(NOT TO SCALE)



MAGNETIC
MAP SHEET V PAGE 226

RUN OF CHERRY TREE BRANCH
N/F G. A. LOSSEN



A PORTION OF THIS LOT IS IN A FLOOD HAZARD AREA ACCORDING TO COMMUNITY-PANEL NO. 370295 0120 C ZONE: A (Base Flood Not Determined) DATE: MAY 15, 1986

THIS PLAT REPRESENTS AN ACTUAL SURVEY THAT MEETS OR EXCEEDS THE REQUIREMENTS OF A CLASS B SURVEY IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA.

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LEGEND:

- I.P.S. OR I.R.S. ○ IRON PIPE OR ROD SET
- E.I.P. OR E.I.R. ⊙ EXISTING IRON PIPE OR ROD
- C.M. ⊕ CONCRETE MONUMENT
- C/L ⊕ CENTER LINE
- R/W ⊖ RIGHT OF WAY
- P.K. △ P.K. SURVEY NAIL
- NON-MONUMENTED CORNER

SURVEY
EXCLUSIVELY FOR
TED J. BORDELON

&
NICOLA M. BORDELON

LOT 39 BLOCK B SECTION 1 DEEFIELD ESTATES
TOWNCREEK TOWNSHIP
BRUNSWICK COUNTY, NORTH CAROLINA
JUNE 5, 2006
MAP BOOK V PAGE 226
DEED BOOK 2188 PAGE 850

GRAPHIC SCALE



(IN FEET)
1 inch = 100 ft.

BORDELON.DWG

MARC F. GLENN PROFESSIONAL LAND SURVEYOR NO. L-4308

CAPE FEAR SURVEYING SERVICES
ONE NORTH 6th ST., WILMINGTON, NC