


16746 BELLE ISLE DR

00131225

12/31/2007

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
*Barcode Font = IDAutomationHC39M*

Permit Number: 2493-B

# CONDITIONS OF IMPROVEMENT PERMIT

Tax Number: 001-012-25 D

The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling or disturbance of the soil in the area of the septic tank system or repair area.

CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.

Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

| | | | | |
|---|---|---|---|---|
| Basement | ___ Yes | ✓ No | ___ Partial Basement | |
| Type Primary Wastewater System<br>Type (circle one):<br>I II (III) IV V VI | ___ Conventional<br>___ Prefabricated, permeable block panel system<br>___ Shallow Placed Conventional | ___ Low Pressure Pipe<br>___ Large Diameter Pipe<br>___ Fill<br>___ Other | ✓ Innovative or Experimental:<br>___ IWWS-93-1<br>___ IWWS-93-2<br>___ IWWS-94-1 | |
| .3 Long-term acceptance rate | 480 Max gallons/day wastewater flow | 1200 Absorption Area (sq ft) | 9 Trench spacing (min. on centers) | |
| NO Serviced by private well | 1500 Gallon septic tank | 400 Total trench length (ft) | 30" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions) | |
| 4 Bedrooms in residence | ___ Gallon pump tank | ___ Depth of stone | | |
| Any surface waters present: yes Type: Lake Norman Minimum separation distance: 50' | | | | |
| Site modifications required: | | | | |
| Additional Conditions: Use innovative system | | | | |
| Repair Area System Type<br>Type (circle one):<br>I II (III) IV V VI | ___ Conventional<br>___ Prefabricated, permeable block panel system<br>___ Shallow Placed Conventional | ___ Low Pressure Pipe<br>___ Large Diameter Pipe<br>___ Fill<br>___ Other | ✓ Innovative or Experimental:<br>___ IWWS-93-1<br>___ IWWS-93-2<br>___ IWWS-94-1 | |
| 1200 Absorption Area (Sq ft)<br>400 Total Trench Length (Ft) | ~~24"~~ NA Depth of Stone Trench | 9 Trench spacing (min. on centers) | 30" Maximum Trench Depth | |
| For existing system, enter the year originally installed: | | | | |

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

- No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department
- This Improvement permit is transferable.

5-19-98
DEHNR Authorized Agent Date

5-20-98
Owner/Agent Signature Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH,
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FEE: 190.00 CHK# 6490
DATE: 04-28-98 SC

**APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM**

[ ] CRT

TYPE APPLICATION: X NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM __ REPAIR OF EXISTING SYSTEM

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT,
HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FILE #: 2493B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 001-312-25B001

STREET ADDRESS: 16746 Belle Isle Drive

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: 29

TYPE OF BUILDING (CHECK ONE):

__ SINGLE MOBILE HOME(S)
__ DOUBLE WIDE (D)
✓ HOUSE (H)
__ MODULAR HOME (M)
__ MULTIPLE FAMILY (U)
__ OTHER (O)

HEATED SQUARE FOOTAGE: 3000

NUMBER OF BEDROOMS: 4 NUMBER OF OCCUPANTS: 4

FOUNDATION FOR RESIDENCE:

__ WITHOUT BASEMENT
__ ON SLAB
✓ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

TOWNSHIP (CHECK ONE):

✓ 0 MECKLENBURG
__ 1 CHARLOTTE
__ 2 DAVIDSON
__ 3 CORNELIUS
__ 4 PINEVILLE
__ 5 MATTHEWS
__ 6 HUNTERSVILLE
__ 7 MINT HILL

CLOSING DATE 5/20/98

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: __ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):

__ COMMUNITY (C)
__ MUNICIPAL (M)
✓ PRIVATE WELL (P)
__ SHARED WELL (S)
__ OTHER 'SPRINGS' (O)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

| | | | |
|---|---|---|---|
| BURIED CABLES, LANDFILLS, STUMPHOLES | __ YES ✓ NO | WELL, SPRINGS OR WATERLINES | __ YES __ NO |
| EXISTING WASTEWATER SYSTEMS | __ YES ✓ NO | DESIGNATED WETLANDS | __ YES ✓ NO |
| EASTMENTS OR RIGHT-OF-WAYS | __ YES ✓ NO | | |

| PROPERTY OWNER: | LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE: |
|---|---|
| NAME: Reynolds SANDRA and CARY (LAST) (FIRST) (MI) | NAME: (LAST) (FIRST) (MI) |
| ADDRESS: 16931 Belle Isle Drive | DAYTIME PHONE: ( ) - |
| CITY: Cornelius STATE: NC 28031 ZIP: | |
| DAYTIME PHONE: 704) 892-5087 | |

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

SIGNED: Sandra Reynolds Cary Reynolds DATE: April 23 '98

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

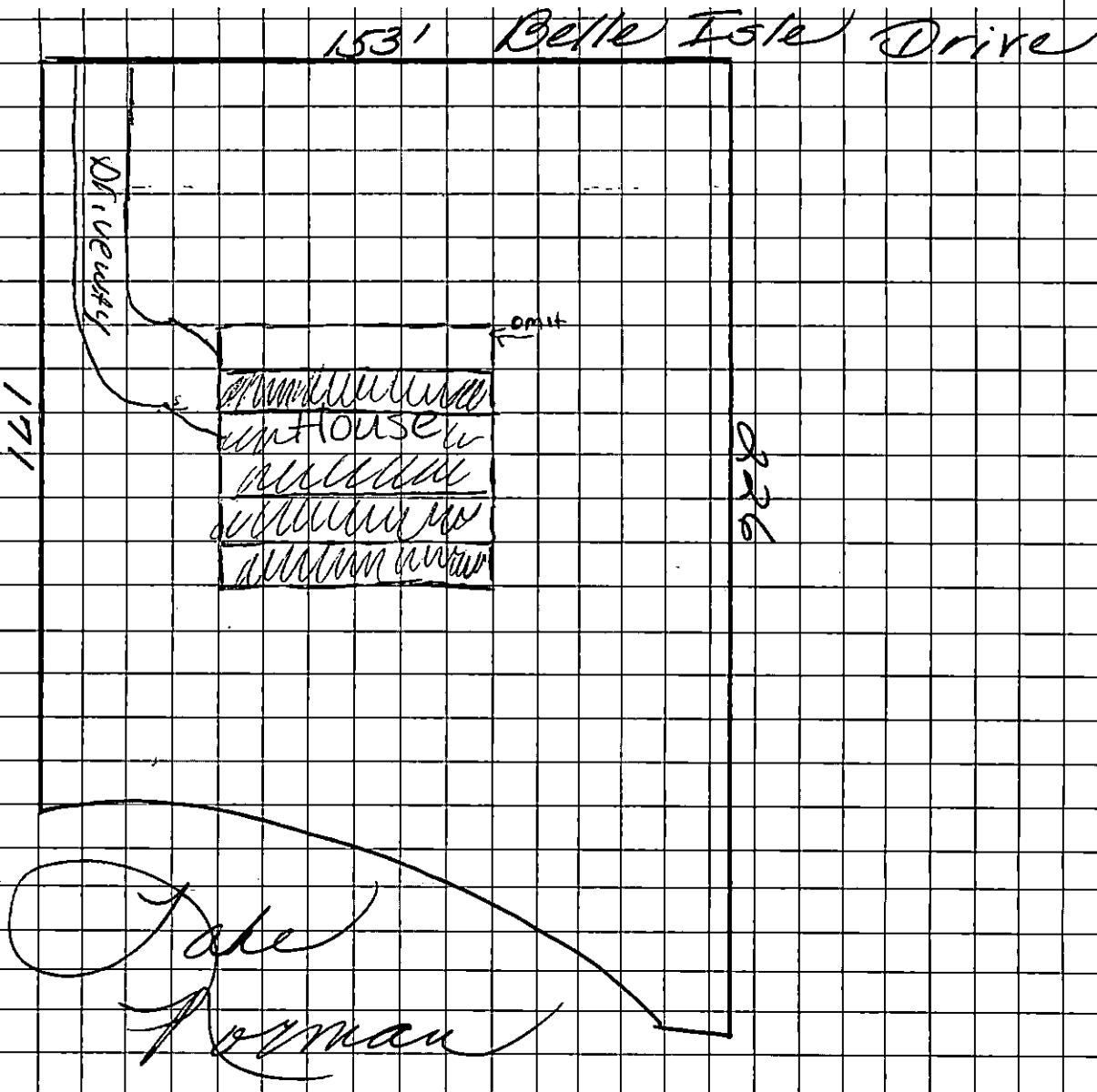
# PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 2493B

TC: 001-312-25B

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.




Sandra Jones Gary Lynch
OWNER/AGENT SIGNATURE

DATE April 23 1998

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

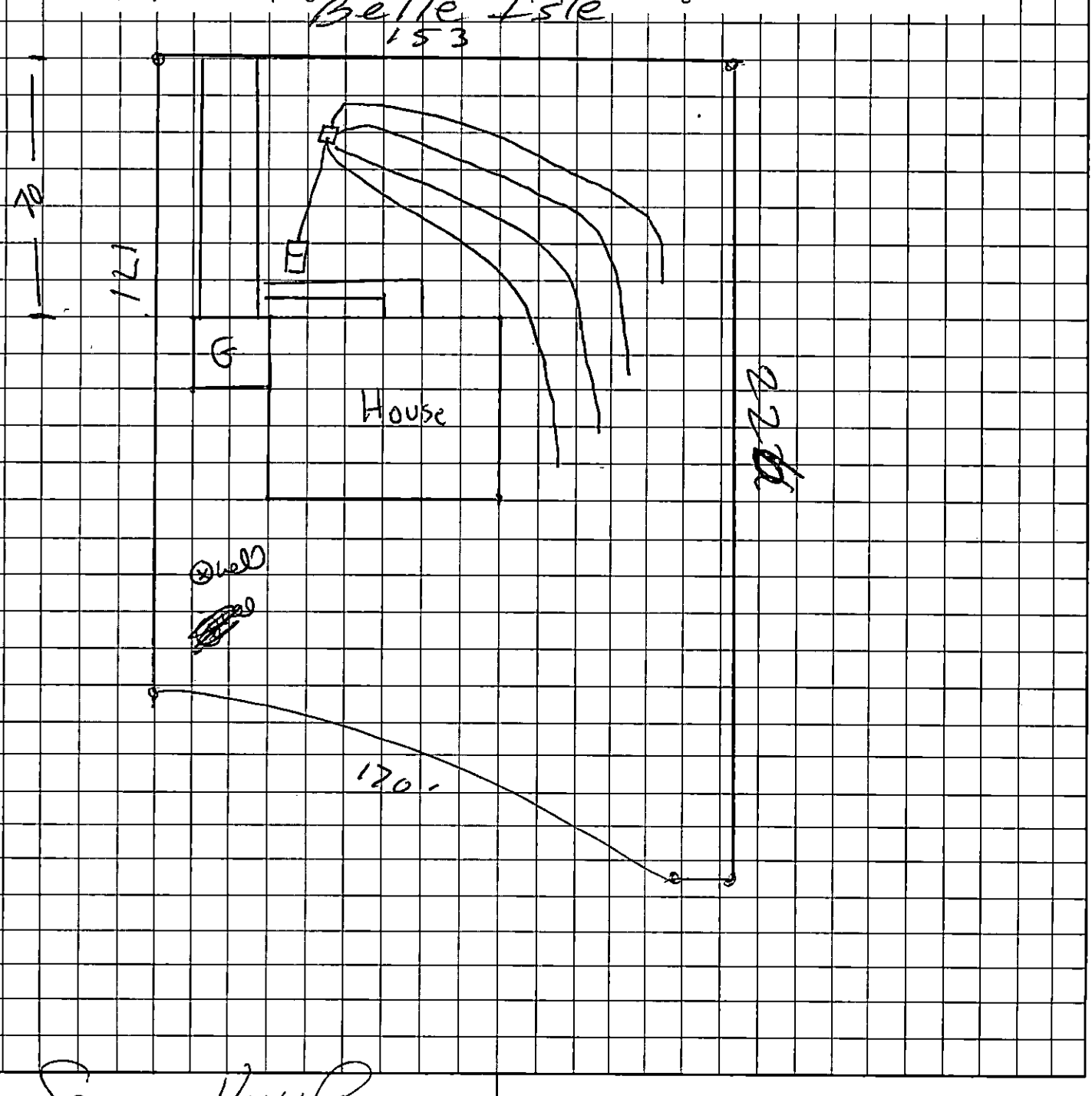
# PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 2493-B

TC: 001-312-27

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.




X Andrew Murphy Reynolds
OWNER/AGENT SIGNATURE

APPROVAL DATE

DATE

White - Health Department's Copy  Canary - E.H.S. Copy  Pink - Owner's Copy

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 1
PROPERTY ID #: 001-312-25
Lot # : 29
File # : 24938

# SOIL/SITE EVALUATION
## for ON-SITE WASTEWATER SYSTEM

OWNER: Sandra Gary Reynolds APPLICANT: _____ DATE EVALUATED: 5-8-96
ADDRESS: 16931 Bella Isle Dr. Cornelius PROPERTY SIZE: 1.67
PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949): 480gpd PROPERTY RECORDED: _____
LOCATION OF SITE: 1694 Bella Isle Dr.
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | Slopes 2-10% .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS | 0-5" | gr/scl | Fr/SEXP/SS/SD | 7.5YR 46" TO soil wetness | 46" | N/A | None | PS .39 FR2 IV |
| | | 5-40" | SBK/C | Fi/SEXP/SP | | | | | |
| | | 40-46" | SBK/CL | Fr/SEXP/SS/SN | | | | | |
| 2 | LS | 0-6" | gr/scl | Fr/SEXP/SS/SD | 7.5YR 46" TO soil wetness | 46" | N/A | None | PS .39 FR2 IV |
| | | 6-39" | SBK/C | Fi/SEXP/SP | | | | | |
| | | 39-48" | SBK/SCL | Fr/SEXP/SS/SD | | | | | |
| 3 | LS | 0-6" | gr/scl | Fr/SEXP/SS/SD | 7.5YR 46" TO soil wetness | 46" | N/A | None | PS .39 FR2 IV |
| | | 6-48" | SBK/C | Fi/SEXP/SP | | | | | |
| 4 | LS | 0-5" | gr/scl | Fr/SEXP/SS/SD | 7.5YR 46" TO soil wetness | 46" | N/A | None | PS .39 FR2 IV |
| | | 5-46" | SBK/C | Fi/SEXP/SP | | | | | |
| 5 | LS | 0-3" | gr/scl | Fr/SEXP/SS/SD | 7.5YR 29" TO soil wetness | 29" | N/A | None | LS IV |
| | | 3-29" | SBK/C | Fi/SEXP/SP | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | PS | |
| System Type(s) | | |

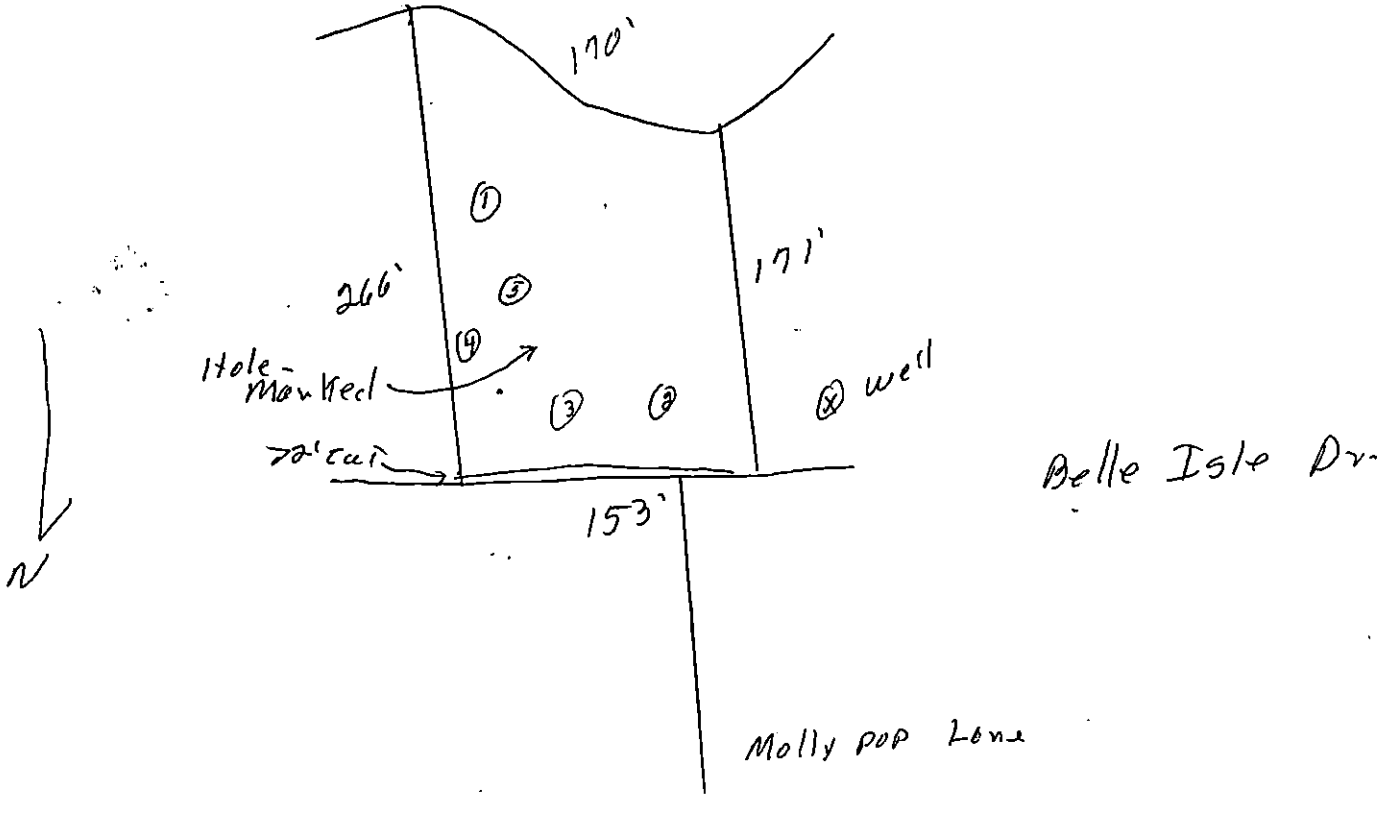
OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): Provisionally Suitable
EVALUATED BY: W. R. Wells 5-11-96.
OTHER(S) PRESENT: LS

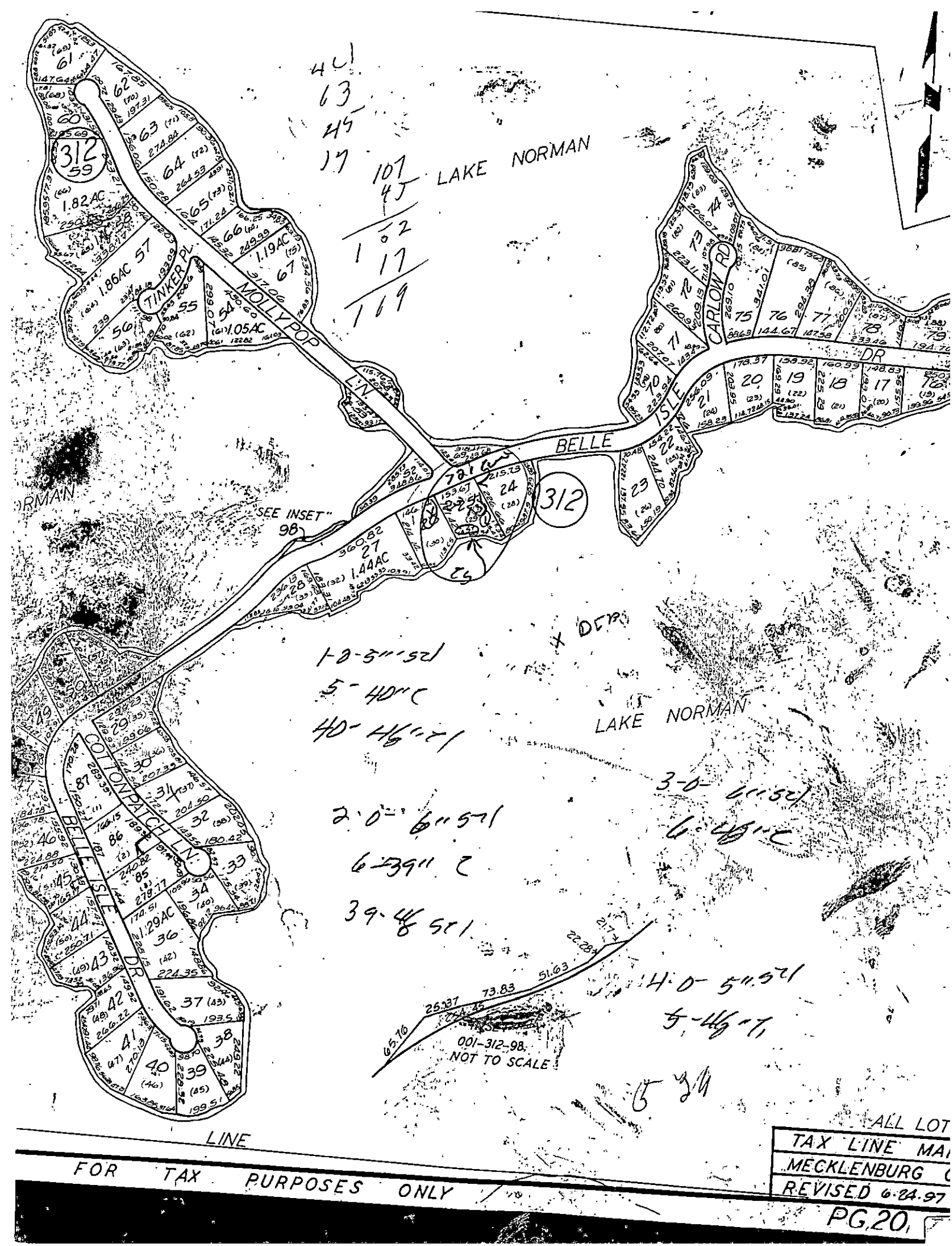
FILE # 24936

**COMMENTS** Does not appear to be WW Repair
May be old tank or pit privy hole or lot

| LANDSCAPE POSITION | GROUP | TEXTURE | .1955 LTAR | CONSISTENCE MOIST | CONSISTENCE WET |
|---|---|---|---|---|---|
| R-RIDGE | I | S-SAND | 1.2-0.8 | | |
| S-SHOULDER SLOPE | | LS-LOAMY SAND | | VFR-VERY FRIABLE | NS-NON-STICKY |
| L-LINEAR SLOPE | | | | FR-FRIABLE | SS-SLIGHTLYSTICKY |
| FS-FOOT SLOPE | II | SL-SANDY LOAM | 0.8-0.6 | FI-FIRM | S-STICKY |
| N-NOSE SLOPE | | L-LOAM | | VFI-VERY FIRM | VS-VERY STICKY |
| H-HEAD SLOPE | | | | EFI-EXTREMELY FIRM | NP-NON-PLASTIC |
| CC-CONCLAVE SLOPE | III | SI-SILT | 0.6-0.3 | | SP-SLIGHTLYSTICKY |
| CV-CONVEX SLOPE | | SICL-SILTY CLAY LOAM | | | P-PLASTIC |
| T-TERRACE | | CL-CLAY LOAM | | | VP-VERY PLASTIC |
| FP-FLOOD PLAIN | | SCL-SANDY CLAY LOAM | | | |
| | IV | SC-SANDY CLAY | 0.4-0.1 | | |
| | | SIC-SILTY CLAY | | | |
| | | O-ORGANIC | | | |

| STRUCTURE | MINERALOGY |
|---|---|
| SG-SINGLE GRAIN | SLIGHTLY EXPANSIVE |
| M-MASSIVE | |
| CR-CRUMB | EXPANSIVE |
| GR-GRANULAR | |
| SBK-SUBANGULAR BLOCKY | |
| ABK-ANGULAR BLOCKY | |
| PL-PLATY | |
| PR-PRISMATIC | |




LAKE NORMAN
MOLLY POP LN.
TINKER PL.
CARLOW RD
DR
ISLE
BELLE
312
59
1.82AC
1.86AC
1.19AC
1.05AC
"SEE INSET"
98
27
1.44AC
COTTONPATCH LN.
BELLE ISLE DR
LAKE NORMAN
0.01-312-98
NOT TO SCALE
FOR TAX PURPOSES ONLY
TAX LINE MA
MECKLENBURG
REVISED 6-24-97
PG.20

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

(4051)

Sheet 1
PROPERTY ID #: 001-312-25
Lot # : 29
File # : 24938

#1

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OWNER: Sandra Gary Reynolds APPLICANT: _____
ADDRESS: 16931 Bella Isle Dr Cornelius DATE EVALUATED: 5-8-96
PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949): 480gpd PROPERTY SIZE: .67
LOCATION OF SITE: 16941 Bella Isle Dr PROPERTY RECORDED: _____
WATER SUPPLY: ☑ Private ☐ Public ☑ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LAND-SCAPE POSITION/ SLOPE % | HORI-ZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | Slopes 2-10% | | | | | | | | |
| 1 | LS | 0-5" | gr/scl | Fr/SEXP/SS/SP | 7.46" TO soil wetness | 46" | N/A | None | PS .39/P2 IV |
| | | 5-40" | SBK/ C | Fi/SEXP/SIP | | | | | |
| | | 40-46" | SBK/ Cl | Fr/SEXP/SS/SP | | | | | |
| 2 | LS | 0-6" | gr/scl | Fr/SEXP/SS/SP | 7.46" TO soil wetness | 46" | N/A | None | PS .39/P2 IV |
| | | 6-39" | SBK/ C | Fi/SEXP/SIP | | | | | |
| | | 39-48" | SBK/ scl | Fr/SEXP/SS/SP | | | | | |
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| | | 6-40" | SBK/C | Fi/SEXP/SIP | | | | | |
| 4 | LS | 0-5" | gr/scl | Fr/SEXP/SS/SP | 7.46" TO soil wetness | 46" | N/A | None | PS .39/P2 IV |
| | | 5-46" | SBK/C | Fi/SEXP/SIP | | | | | |
| 5 | LS | 0-3" | gr/scl | Fr/SEXP/SS/SP | 7.29" TO soil wetness | 29" | N/A | None | LS IV |
| | | 3-29" | SBK/C | Fi/SEXP/SIP | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | PS | |
| System Type(s) | | |
| Site LTAR | .39/P2 | |

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): Provisionally Suitable
EVALUATED BY: W. A. Weeks 5-11-96
OTHER(S) PRESENT: LS ?

FILE # 24938

**COMMENTS** Does not appear to be WW Repair
May be old trash or pit privy hole or lot

| LANDSCAPE POSITION | GROUP | TEXTURE | .1955 LTAR |
|---|---|---|---|
| R-RIDGE | I | S-SAND | 1.2-0.8 |
| S-SHOULDER SLOPE | | LS-LOAMY SAND | |
| L-LINEAR SLOPE | | | |
| FS-FOOT SLOPE | II | SL-SANDY LOAM | 0.8-0.6 |
| N-NOSE SLOPE | | L-LOAM | |
| H-HEAD SLOPE | | | |
| CC-CONCLAVE SLOPE | III | SI-SILT | 0.6-0.3 |
| CV-CONVEX SLOPE | | SICL-SILTY CLAY LOAM | |
| T-TERRACE | | CL-CLAY LOAM | |
| FP-FLOOD PLAIN | | SCL-SANDY CLAY LOAM | |
| | IV | SC-SANDY CLAY | 0.4-0.1 |
| | | SIC-SILTY CLAY | |
| | | O-ORGANIC | |

| CONSISTENCE | |
|---|---|
| MOIST | WET |
| VFR-VERY FRIABLE | NS-NON-STICKY |
| FR-FRIABLE | SS-SLIGHTLYSTICKY |
| FI-FIRM | S-STICKY |
| VFI-VERY FIRM | VS-VERY STICKY |
| EFI-EXTREMELY FIRM | NP-NON-PLASTIC |
| | SP-SLIGHTLYSTICKY |
| | P-PLASTIC |
| | VP-VERY PLASTIC |

| STRUCTURE | MINERALOGY |
|---|---|
| SG-SINGLE GRAIN | SLIGHTLY EXPANSIVE |
| M-MASSIVE | |
| CR-CRUMB | EXPANSIVE |
| GR-GRANULAR | |
| SBK-SUBANGULAR BLOCKY | |
| ABK-ANGULAR BLOCKY | |
| PL-PLATY | |
| PR-PRISMATIC | |

LAKE

