


1601 SAM NEWELL RD

19322103

1/7/2008

duponbj

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

Grid 15-2/6/02

# CERTIFICATE OF COMPLETION/OPERATION PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 47033 DATE: 11-09-01

TC: 193-2411-07 ☒ L ☒ CRT

SERIAL Nº 18802

Name of Owner Martin Marietta Aggregates Paris.:

Address of Property 1601 Sam Newell Rd.

**Inspection Data:**

Tank Material PCC

Total Length of Drainfield 200'

Number of Lines _____ @ _____

Cover Depth 12"-24"

Water Supply Source Mun.

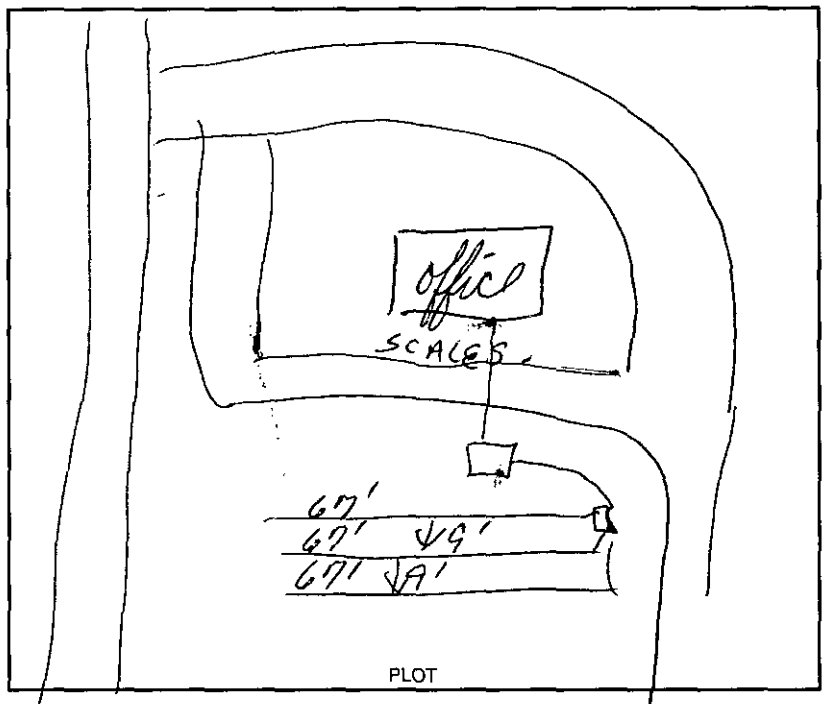
Distance to Water Source >100'

Excavation Inspected 11-09-01

Tank(s) Inspected 11-09-01

Wash Line Inspected N/A.

High Water Alarm Inspected N/A.




Design 2001 600SFT CON 126 LS. CTR# RCS.

The undersigned has inspected the Septic Tank System described above, and certifies it has been

☑ installed or constructed ☐ altered or repaired

☐ in accordance with the permit issued ☑ as detailed in the plot above

and meets the provisions of I5A NCAC 18A. 1900, "Laws And Rules For Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. This issuance of this

☐ Certificate of Completion ☑ Operation Permit

does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of I5A NCAC 18A. 1990 in addition to those listed below under "COMMENTS." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

**Notice:** Disturbance of the designated repair area may result in the suspension/revocation of this permit.

COMMENTS: Type II system
Type II Repair area.

Joshua R. Sellers R.S.
Environmental Health Specialist

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

# INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

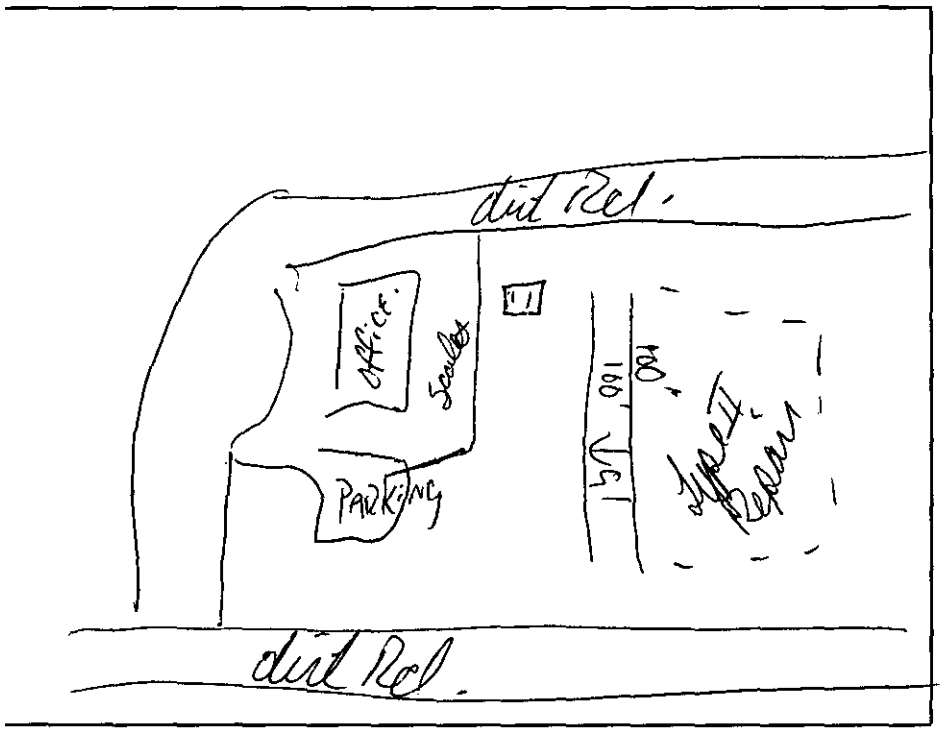
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 47033 DATE: 10-31-01

TC: 193-241-07 ☐ L

SERIAL Nº 18930

*Permission is hereby given to* ✓ (Install) or Construct, _____ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in the application dated 07-23-01. All work shall be completed on or before 11-30-01, after which date this permit shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now or hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.




PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank N/A gallons

Tank Construction PCC

Trench Depth ≤ 36"

Absorption and/or Nitrification Lines:

Trench Width 3' feet

Trench Walls Scored and Porous yes

Total Line Length 200' feet

Number of Lines 2@100'

Depth of Stone 12" inches

Distance from House > 5' feet

Distance from Property Line > 10' feet

Distance from Well N/A Mun. feet

NOTICE: This system shall not be installed while soils are in a wet condition.

NAME OF OWNER Martin Marietta Aggregates

LOCATION OF PROPERTY 1601 Sam Newell Rd.

Comments: Type II ~~Repair~~ designed for a (3) employee office Type II repair area.

Joshua R. Sellers R.S.
Environmental Health Specialist

WHITE - HEALTH DEPARTMENT's COPY • CANARY - E.H.S. COPY • PINK - OWNER OR AGENT's COPY

*MECKLENBURG COUNTY*
*LAND USE AND ENVIRONMENTAL SERVICES*
***Payment Receipt***

**Receipt Information**

**Date:** 02/06/02
**Receipt #:** 5578
**Check / Auth #:** CHARGE
**Received By:** FOSTERV

**Amount:** 150.00
**Tendered:** 150.00
**Returned:** 0.00

**Account Information**

**Account #:** B87170
**Contractor:** LEGER CORP
**Attn:**
**Address:** 9940 MONROE RD.
**Address:** SUITE 202
**City/State/Zip:** MATTHEWS, NC 28105

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0703 | Installation/Final Approval<br>1601 SAM NEWELL RD | | 1 | 150.00 | 150.00 |

**Outstanding Balances**

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|
| 150.00 | 794.92 | 19.71 | 44.79 | | |

# INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

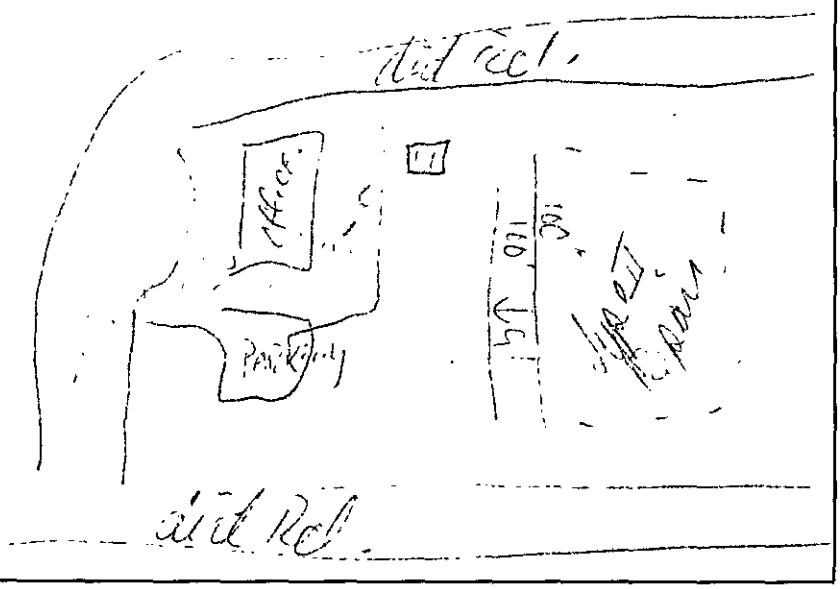
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 4703B DATE: 10-31-01

TC: 193-241-07 ☐ L

SERIAL Nº 18930

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Absorption and/or Nitrification Lines:

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Trench Walls Scored and Porous yes

Total Line Length 200' feet

Number of Lines 2 @ 100'

Depth of Stone 12" inches

Distance from House > 5' feet

Distance from Property Line > 10' feet

Distance from Well N/A P.W.S. feet

NOTICE: This system shall not be installed while soils are in a wet condition.

NAME OF OWNER C. A. Tim Mauldin Associates

LOCATION OF PROPERTY 1601 Lawn Rumple Rd.

Comments: Type II ~~Repair~~ designed for a (3) bedroom house Type II repair (new)

[signature]

Environmental Health Specialist

WHITE - HEALTH DEPARTMENT's COPY • CANARY - E.H.S. COPY • PINK - OWNER OR AGENT's COPY

[redacted] 304-96753 Projected

FEE: 150 **AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION**
DATE: 9/29/01 **VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE**

DATE: 08-28-01 PERMIT NO: 47033
PARCEL NO: 193-241-07

JOB LOCATION ADDRESS: 1601 Sam Newell Rd.
PROPERTY OWNER: Martin Marietta Aggregates
BUILDING CONTRACTOR: Andrew H. Barnhardt
SUBDIVISION NAME: N/A
AUTHORIZATION ISSUED BY: Joshua R. Sellers R.S. DATE: 08-28-01
DEHNR AUTHORIZED AGENT

## AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. _____, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL MUST BE SECURED **PRIOR** TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS: Water Supply line shall be encased in Ductile Iron.

## OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITS AND AUTHORIZATION TO CONSTRUCT.

X [signature] 27 SEPT 01
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

# CONDITIONS OF IMPROVEMENT PERMIT

Permit Number: 47036 Tax Number: 193-241-07

- 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 | 180 Max gallons/day wastewater flow | 600 Absorption Area (sq ft) | 9' Trench spacing (min. on centers) | |
| N Serviced by private well | 1500 Gallon septic tank | 200 Total trench length (ft) | 36" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions) | |
| N/A Bedrooms in residence | N/A Gallon pump tank | 12" Depth of stone | | |
| Any surface waters present: | Type: | Minimum separation distance: | | |
| Site modifications required: | | | | |
| Additional Conditions: Ductile Iron shall be used to encase supply line. | | | | |

| | | | |
|---|---|---|---|
| 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 |
| 600 Absorption Area (Sq ft)<br>200 Total Trench Length (Ft) | 36" Depth of Stone Trench | 9' Trench spacing (min. on centers) | 36" 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.

Joshua R. Sellers R.S. 08-28-01
DEHNR Authorized Agent Date

X [signature] 27 SEPT 01
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

# PROPOSED PLOT PLAN

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

FILE: 47033

TC: 193-241-07

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.

(1) Not to Scale

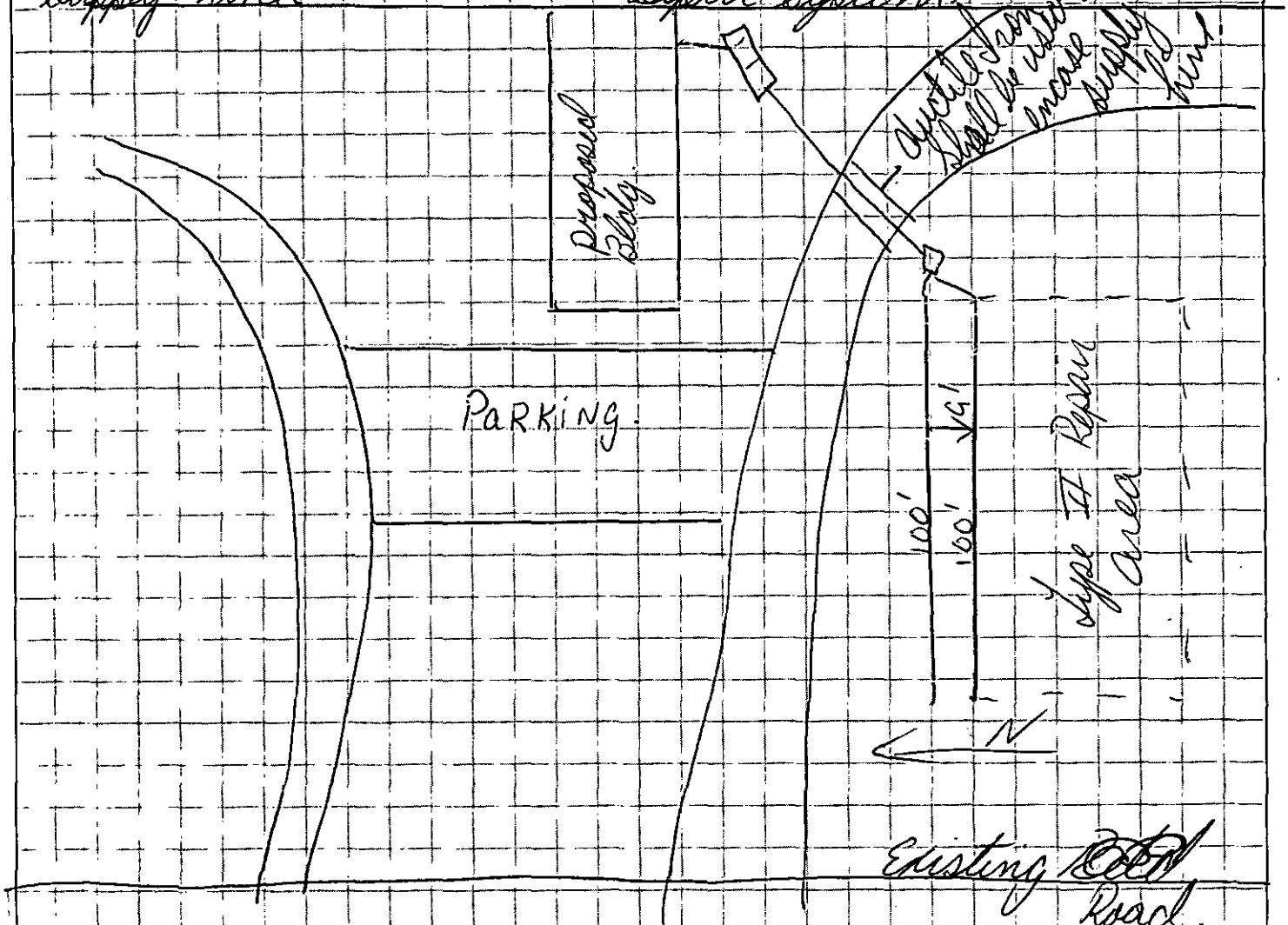
(2) 1500 SF 200 linear Ft Trenches

(3) Ductile Iron shall encase supply line

(4) Install lines level & on contour

(5) Riser 3' filter rules apply

(6) Well is to be used must be 100' or greater from Septic System




APPROVAL DATE 08-28-01

White - Health Department's Copy  Canary - Environmentalist's Copy  Pink - Owner's Copy

DATE: 7/30/01 23512

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

COPY

FILE #: 4703B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION: Sam Newell Rd., Matthews, NC

TAX/PARCEL NUMBER: 19324107

STREET ADDRESS: 1601 Sam Newell Rd.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER:

TOWNSHIP (CHECK ONE):

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

CLOSING DATE N/A

TYPE OF BUILDING (CHECK ONE):

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

HEATED SQUARE FOOTAGE: 900-1000 sq. ft.

NUMBER OF BEDROOMS: 0 | NUMBER OF OCCUPANTS: 3

FOUNDATION FOR RESIDENCE:

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

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)
__ SHARED WELL (S)
X MUNICIPAL (M)
__ OTHER 'SPRINGS' (O)
__ PRIVATE WELL (P)

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

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

PROPERTY OWNER: Martin Marietta Aggregates

NAME: (LAST) Martin Marietta Aggregates (FIRST) (MI)

ADDRESS: 2710 Wycliff Road

CITY: Raleigh STATE: NC ZIP: 27607

DAYTIME PHONE: 704 841 -4335

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) Andrew H. Barksdale, (FIRST) (MI) District Engineer

DAYTIME PHONE: 704 576 - 3580

841-4335
Tom Neely

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? N/A

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: AH Barksdale DATE: 23 Jul 01

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

# Martin Marietta Aggregates

COPY 47038

Charlotte District Office
PO Box 240635
Charlotte, NC 28224-0635
(704) 525-7740
(704) 527-9283 Fax

23 July 01

Mecklenburg County Health Department
Environmental Health Division
Hal Marshall Center, Suite 211
700 N. Tryon Street
Charlotte, NC 28202
(704) 336-5102

*To Whom It May Concern:*

Enclosed with this letter is an application and site plan for a new septic system at the Martin Marietta Aggregates Matthews Quarry located at 1601 Sam Newell Rd, Matthews, NC 28106. Should this application be approved for a site visit, we would request that the visitors stop at our office and contact Tom Neely, Plant Manager. Due to the nature of our business and the governing laws, he will have to escort you to the proposed site.

Thank you in advance for reviewing our application for the installation of a new septic system at Matthews Quarry. Should you have any questions or concerns, please do not hesitate to contact me at (704) 576-3580.

Sincerely,
MARTIN MARIETTA AGGREGATES

AH Barksdale

Andrew H. Barksdale
Charlotte District Engineer

# PROPOSED PLOT PLAN

COPY

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

FILE: 4703B

TO: 193-24-1-07

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.

PLEASE REFER TO
DRAWINGS

APPROVAL DATE _____

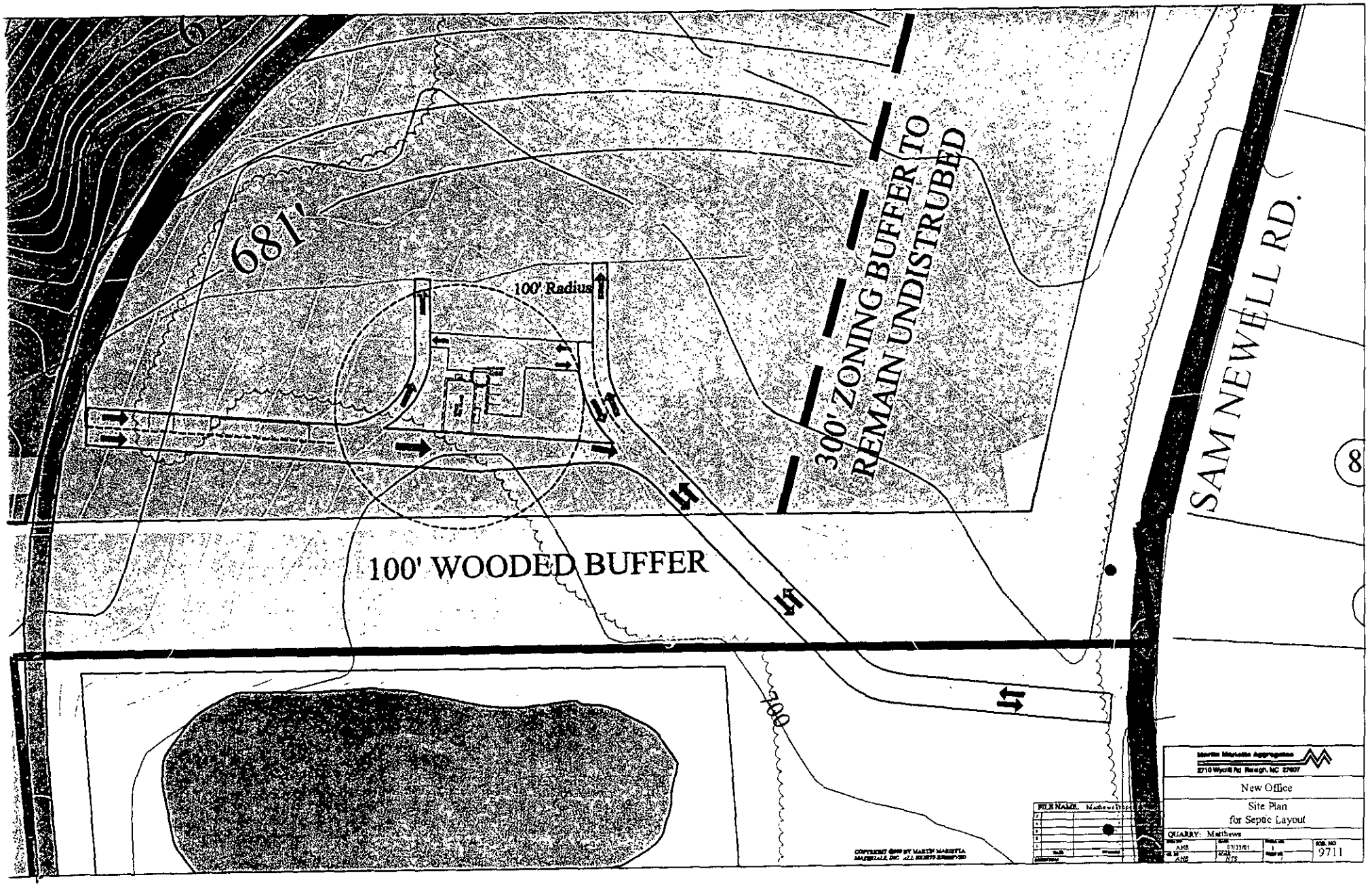
OWNER/AGENT SIGNATURE AH Barnhill

DATE 23 JUL 01

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

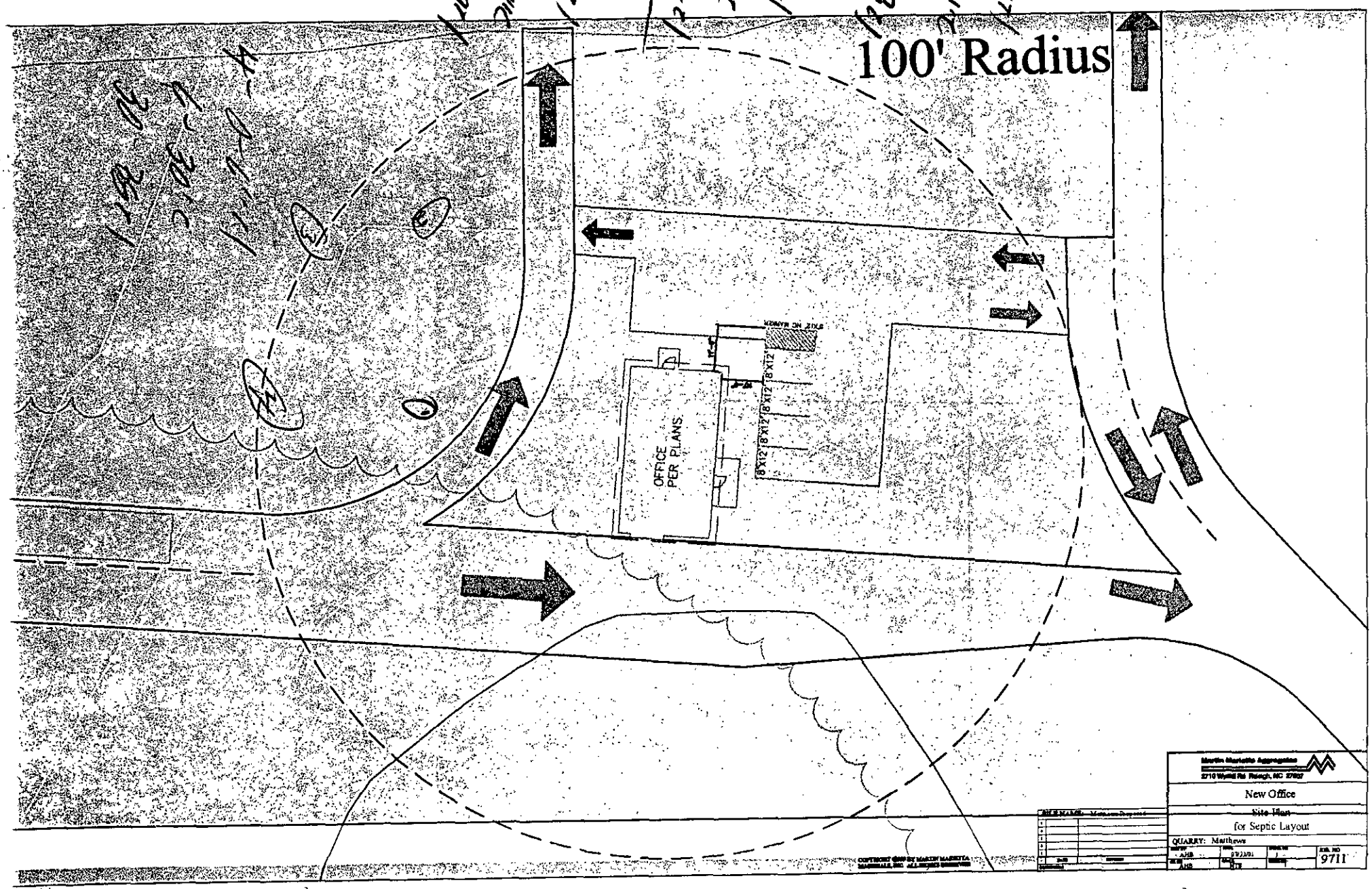
COPY

4703B


681'
100' Radius
30' ZONING BUFFER TO REMAIN UNDISTURBED
SAM NEWELL RD.
100' WOODED BUFFER
New Office
Site Plan
for Septic Layout
QUARRY: Matthews
9711

COPY

4703B


100' Radius
OFFICE PER PLANS
8'X12'
8'X12'
8'X12'
8'X12'
New Office
Site Plan
for Septic Layout
QUARRY: Mathews
9711

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet:
Property ID: PO 19324107
Lot #:
File #: 4703B
Code: 1

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

Owner: Martin Marietta Aggregates
Applicant: Andrew Barksdale
Address: 2710 Wycliff road, Raleigh, N. C., 27607
Date Evaluated: 8/21/01
Proposed Facility: office
Design Flow (.1949): 75gpd
Property Size: .1a
Location of Site: 1601 Sam Newell Road
Property Recorded:
Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Augur Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 Structure/ Texture | SOIL MORPHOLOGY .1941 Consistence Mineralogy | OTHER PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr. Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | 2-8 | | | | | | | | |
| 1 | LS | 0-4 | GR/SCL | FR/SEXP/SS/SP | >43" TO SOIL WETNESS | 43 | N/A | NONE | PS, IV .3G/FT$^2$/DAY |
| | | 4-32 | SBK/B | FI/SEXP/S/P | | | | | |
| | | 32-43 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 2 | LS | 0-3 | GR/SCL | FR/SEXP/SS/SP | " | " | " | " | " |
| | | 3-24 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 24-43 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 3 | LS | 0-4 | GR/SCL | FR/SEXP/SS/SP | >30" TO SOIL WETNESS | 30 | " | " | US, IV .3G/FT$^2$/DAY |
| | | 4-24 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 24-30 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 4 | LS | 0-6 | GR/SCL | FR/SEXP/SS/SP | >48" TO SOIL WETNESS | 48 | " | " | PS, IV .3G/FT$^2$/DAY |
| | | 6-30 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 30-48 | SBK/CL | FR/SEXP/SS/SP | | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | |
| System Type(s) | | |
| Site LTAR | .3G/FT$^2$/DAY | |

Other Factors (.1946): _____
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 8/21/01, W. R. Marlin
Others Present: T. Neely

FILE # 4703B

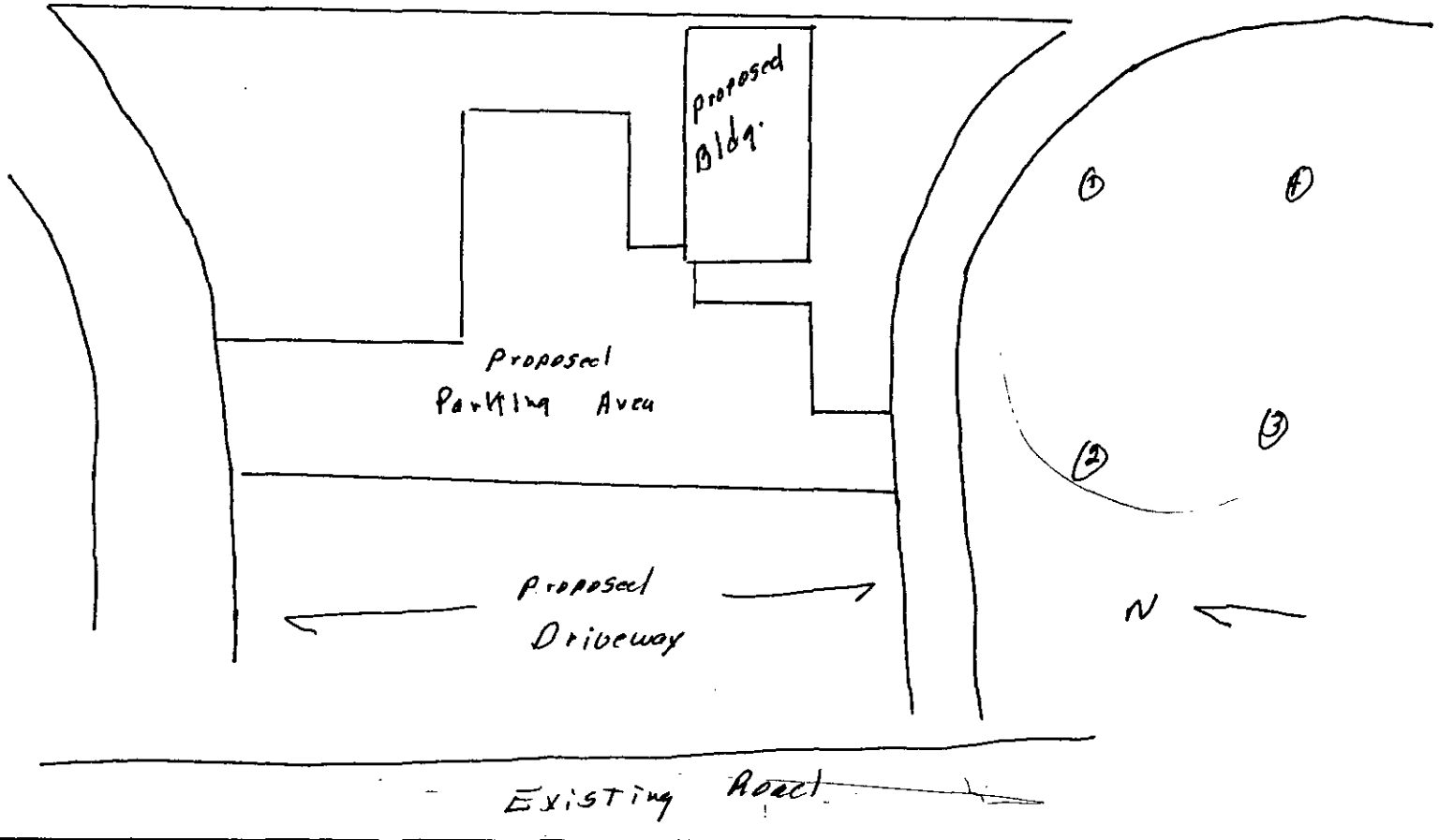
COMMENTS 100% Repair may not be required

| 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 | CONSISTENCE 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 | |

Sam Newell Road



FEE: 400.00 CK# 235112

DATE: 7/30/01 JC

# 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 #: 4703B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION: Sam Newell Rd., Matthews, NC

TAX/PARCEL NUMBER: 19324107

STREET ADDRESS: 1601 Sam Newell Rd.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER:

TOWNSHIP (CHECK ONE):

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

CLOSING DATE N/A

TYPE OF BUILDING (CHECK ONE):

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

HEATED SQUARE FOOTAGE: 900-1000 sq. ft.

NUMBER OF BEDROOMS: 0 | NUMBER OF OCCUPANTS: 3

FOUNDATION FOR RESIDENCE:

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

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)
__ SHARED WELL (S)
X MUNICIPAL (M)
__ OTHER 'SPRINGS' (O)
__ PRIVATE WELL (P)

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

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

PROPERTY OWNER: Martin Marietta Aggregates

NAME: (LAST) Martin Marietta Aggregates (FIRST) (MI)

ADDRESS: 2710 Wycliff Road

CITY: Raleigh STATE: NC ZIP: 27607

DAYTIME PHONE: 704 841 -4335

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) Andrew H. Barksdale, (FIRST) District Engineer (MI)

DAYTIME PHONE: 704 576 - 3580

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? N/A

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: A H Barksdale DATE: 23 JUL 01

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

REMITTANCE: If correct NO ACKNOWLEDGMENT is NECESSARY.

PLEASE DETACH BEFORE DEPOSITING THIS CHECK

VENDOR NUMBER: 20096

LOCATION NUMBER: 648 - MATTHEWS QUARRY

| PURPOSE/OTHER | INVOICE DATE | INVOICE NUMBER | INVOICE AMOUNT | LOC. | DEPT. | COST ACCT. | EQUIP. NO. | AMOUNT |
|---|---|---|---|---|---|---|---|---|
| PERMIT NEW SEPTIC TANK SYSTEM | 07/24/01 | 072401 | 400.00 | 648 | 70 | 5710 | OFFICE | 400.00 |
| | | | | | | | TOTAL | 400.00 |

AUTHORIZED BY Richard K. [illegible]

MMA Chk # 40-235112

***MARTIN MARIETTA AGGREGATES*** • P.O. BOX 30013, RALEIGH, NORTH CAROLINA 27622-0013

40-235112

# Martin Marietta Aggregates

4703B

Charlotte District Office
PO Box 240635
Charlotte, NC 28224-0635
(704) 525-7740
(704) 527-9283 Fax

23 July 01

Mecklenburg County Health Department
Environmental Health Division
Hal Marshall Center, Suite 211
700 N. Tryon Street
Charlotte, NC 28202
(704) 336-5102

To Whom It May Concern:

Enclosed with this letter is an application and site plan for a new septic system at the Martin Marietta Aggregates Matthews Quarry located at 1601 Sam Newell Rd, Matthews, NC 28106. Should this application be approved for a site visit, we would request that the visitors stop at our office and contact Tom Neely, Plant Manager. Due to the nature of our business and the governing laws, he will have to escort you to the proposed site.

Thank you in advance for reviewing our application for the installation of a new septic system at Matthews Quarry. Should you have any questions or concerns, please do not hesitate to contact me at (704) 576-3580.

Sincerely,
MARTIN MARIETTA AGGREGATES

AH Barksdale

Andrew H. Barksdale
Charlotte District Engineer

# PROPOSED PLOT PLAN

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

FILE: 4703B

TC: 193-241-07 ~~[illegible]~~

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.

PLEASE REFER TO
DRAWINGS

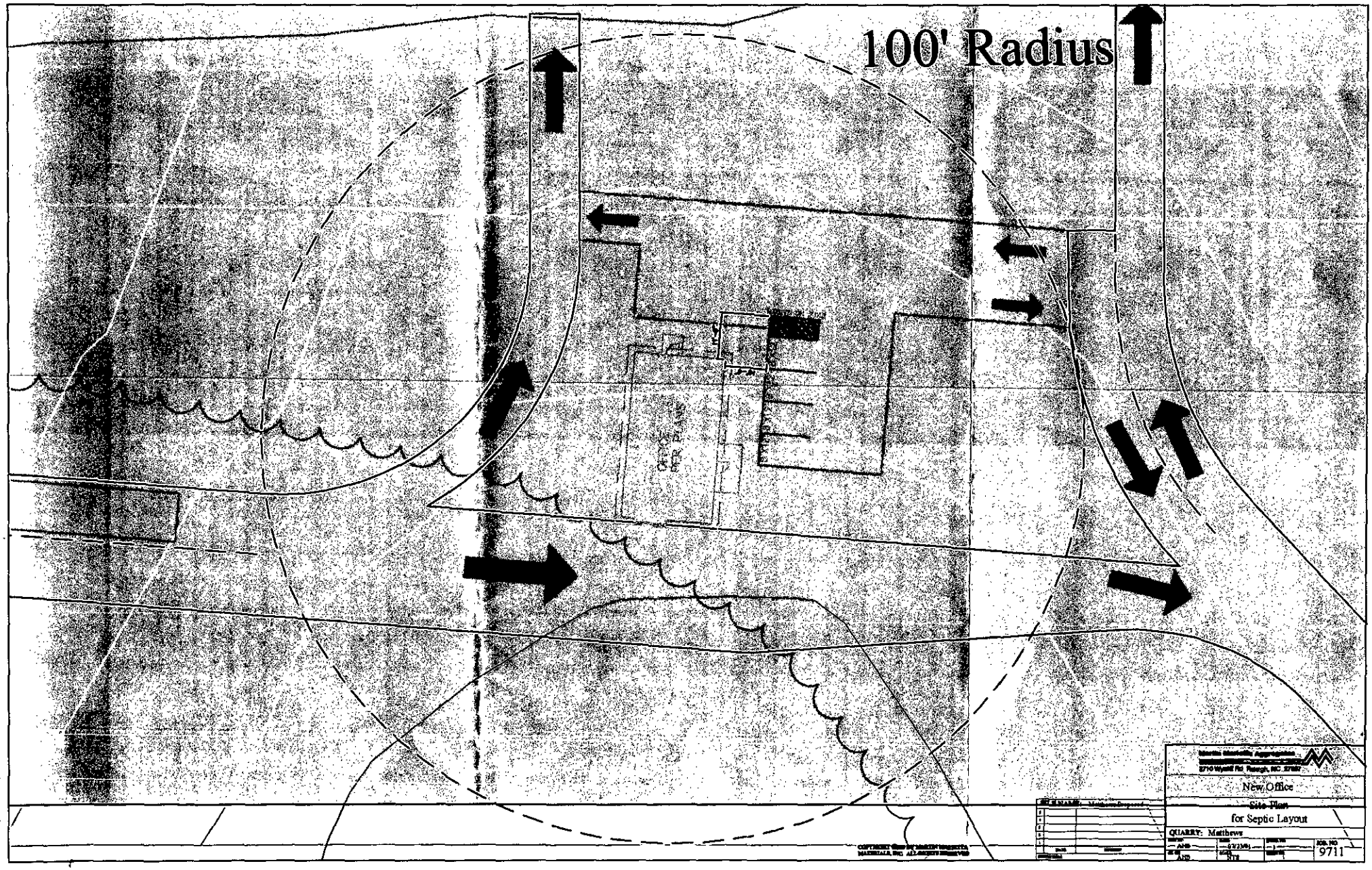
APPROVAL DATE _____

OWNER/AGENT SIGNATURE A H Barksdale

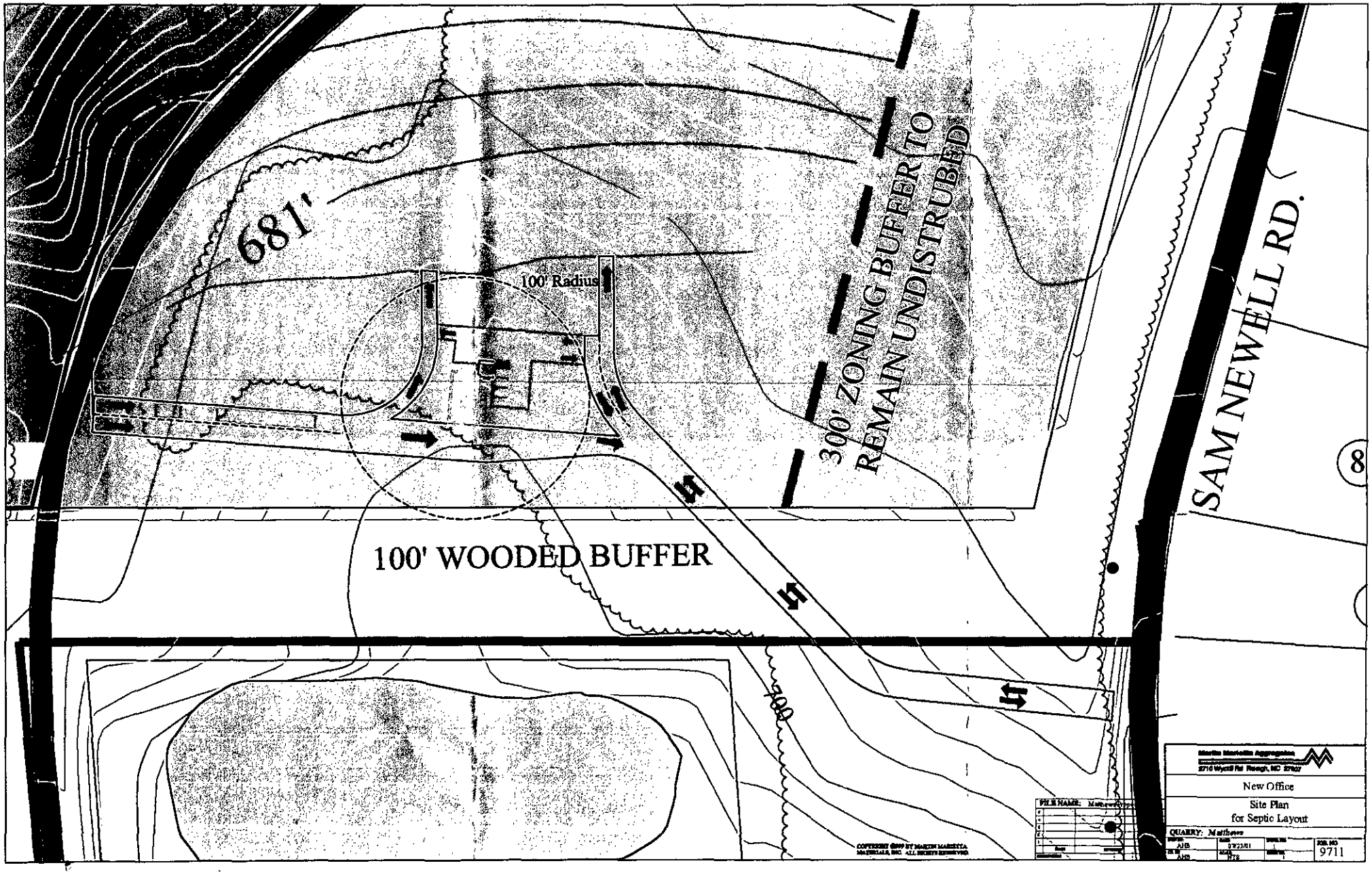
DATE 23 JUL 01

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

4703B


100' Radius
New Office
Site Plan
for Septic Layout
QUARRY: Matthews
JOB NO
9711

4703B


681'
100' Radius
300' ZONING BUFFER TO REMAIN UNDISTRUBED
SAM NEWELL RD.
100' WOODED BUFFER
8
New Office
Site Plan
for Septic Layout
QUARRY: Matthews
9711

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet:
Property ID: PO 19324107
Lot #:
File #: 4703B
Code: 1

PCS

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Martin Marietta Aggregates
Applicant: Andrew Barksdale
Address: 2710 Wycliff road, Raleigh, N. C., 27607
Date Evaluated: 8/21/01
Proposed Facility: office
Design Flow (.1949): 75gpd
Property Size: .1a
Location of Site: 1601 Sam Newell Road
Property Recorded:
Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Augur Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

| PROFILE # | .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 (IN.) | .1956 Sapro Class | .1944 Restr Horiz | Profile Class & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| | 2-8 | | | | | | | | |
| 1 | LS | 0-4 | GR/SCL | FR/SEXP/SS/SP | >43" TO SOIL WETNESS | 43 | N/A | NONE | PS, IV |
| | | 4-32 | SBK/B | FI/SEXP/S/P | | | | | .3G/FT$^2$/DAY |
| | | 32-43 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 2 | LS | 0-3 | GR/SCL | FR/SEXP/SS/SP | " | " | " | " | " |
| | | 3-24 | SBK/C | FI/SEXP/S/P | | | | | |
| | | 24-43 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 3 | LS | 0-4 | GR/SCL | FR/SEXP/SS/SP | >30" TO SOIL WETNESS | 30 | " | " | US, IV |
| | | 4-24 | SBK/C | FI/SEXP/S/P | | | | | .3G/FT$^2$/DAY |
| | | 24-30 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 4 | LS | 0-6 | GR/SCL | FR/SEXP/SS/SP | >48" TO SOIL WETNESS | 48 | " | " | PS, IV |
| | | 6-30 | SBK/C | FI/SEXP/S/P | | | | | .3G/FT$^2$/DAY |
| | | 30-48 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| | | | | | | | | | |
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| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | |
| System Type(s) | | |
| Site LTAR | .3G/FT$^2$/DAY | |

Other Factors (.1946): _____
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 8/21/01. W. R. Marlin
Others Present: T. Neely

FILE # 4703B

COMMENTS 100% Repair may not be required

| 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 | CONSISTENCE 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 | |

Sam Newell Road

