

4217 KEETER DR

05536943

1/10/2008

duponbj

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

Groundwater & Wastewater Services
Well Project File & Data Review Worksheet

GWS File #: 6392B WASPS App #: 2526

Primary ES assigned to project: Chris Sherrill

Secondary ES assigned to project: Debra Howell

Project Type: New Well ☐ Well Abandonment ☐ Major Repair ☐

Septic System Status: Permit in progress ☐ System installation completed ☐ N/A-Sewer ☐

I. File Review:

Completed application	Yes ☑	No ☐				
ARGU review report	Yes ☑	No ☐	N/A ☐			
Signed permit	Yes ☐	No ☐				
Notification of disinfection	Yes ☐	No ☐	N/A ☐			
Sample Results	TC ☐	Nitrate/Nitrite ☐	Other ☐	N/A ☐		
GW-1 Form / GW-30 Form	Yes ☐	No ☐				
Other related documentation	Yes ☐	No ☐	N/A ☐			

Items requiring correction/modification: _____

Comments: 8/9/07 - Please fax permit to applicant for signature

II. WASPS Review:

Completed application w/ valid address	Yes ☑	No ☐	
ARGU review completed	Yes ☑	No ☐	N/A ☐
Permit issued	Yes ☑	No ☐	
Activity checklist completed	Yes ☐	No ☐	
Appropriate comments included	Yes ☐	No ☐	
Site information record completed	Yes ☐	No ☐	
Well detail record completed	Yes ☐	No ☐	

Items requiring correction/modification: _____

Comments: 8/8/07 - Reassigned to Debra Howell

Application received date: 7/23/07 ES assigned date: _____ Permit issued date: 8/8/07

Well approval date: _____ Number of days to complete project: _____

Review performed by: _____ Date performed: _____

********** -COMM. JOURNAL- ********** DATE AUG-13-2007 ***** TIME 10:55 *******

MODE = MEMORY TRANSMISSION START=AUG-13 10:54 END=AUG-13 10:55

FILE NO.=673

STN NO.	COMM.	ONE-TOUCH/ ABBR NO.	STATION NAME/TEL NO.	PAGES	DURATION
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-MECKLENBURG CO GMS -

********** - ***** - 704 336 6894- **********



MECKLENBURG COUNTY

Land Use & Environmental Services Agency
Groundwater & Wastewater Services

Fax Coversheet

****NOTICE****

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To: MACLEAOD CONSTRUCTION Fax #: 704-483-3570
Phone #: 704-483-3580

From: J. Aidoo Date: 08/13/07

Number of pages transmitted: 3 (including coversheet)

Comments:
Please sign permit and fax signed copy back to our office

If you do not receive all pages of this fax please call (704) 336-5103.

☒ Original will not follow

☐ Original will follow via: ☐ U.S. Mail ☐ Hand Delivery ☐

700 North Tryon Street • Suite 211 • Charlotte, North Carolina 28202-2236
Office #: (704) 336-5103 • Fax #: (704) 336-6894

MECKLENBURG COUNTY

Land Use & Environmental Services Agency
Groundwater & Wastewater Services

Fax Coversheet

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To: MACLEAOD CONSTRUCTION

Fax #: 704-483-3570
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☒ Original will not follow

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700 North Tryon Street • Suite 211 • Charlotte, North Carolina 28202-2236
Office #: (704) 336-5103 • Fax #: (704) 336-6894

Mecklenburg County Health Department
Groundwater & Wastewater Services
700 N. Tryon St, Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

PERMIT TO CONSTRUCT A WATER SUPPLY WELL

Permit #: 10002526 **File #:** 6392B **Tax Parcel #:** 055-369-43
Property Owner: R & L MACLEOD INV
Job Location Address: 4217 KEETER DR
City/ETJ: CHARLOTTE **State:** NC **Zip Code:** 28214
Permit Issuance Date: 8/3/2007
Use of Well:
Type of Facility Served by Well:
Sewage System Type: None

Area of Regulated Groundwater Usage Restrictions Apply: YES

Replacement for Existing Well: If Yes, see requirements in Other Conditions of This Permit.

General Conditions of This Permit:

- Water Supply Well construction must meet all requirements set forth in the *Mecklenburg County Groundwater Well Regulations* and any other applicable rules and laws.
- A North Carolina Certified Well Contractor must perform the well construction activities.
- The permitted Water Supply Well shall be located in accordance with the attached SITE PLAN.
- Any alteration of the site (including location of structures and appurtenances) or modification in use of the well, may subject this Permit to revocation.
- The Department will collect an initial sample of water from the Water Supply Well and analyze the sample for total coliform bacteria, nitrate, and nitrite. A review of the analysis by the Department must find the sample to meet the groundwater quality standards specified in Chapter 5 of the Mecklenburg County Groundwater Well Regulations before the Water Supply Well can be placed in service.
- This Permit shall be VALID for a period not to exceed 12 months from the date of issuance.

Specific Conditions of This Permit (Check all that apply):

[X] Grout must be placed the full extent of the casing. [X] Casing to bedrock

[X] Initial water sample to be taken and analyzed for (check all that apply):

[X] Volatile Organic Compounds (VOC's) [X] Semi-volatile Compounds [ ] Metals (Specify in Other Conditions)
[ ] Pesticides [ ] Herbicides [ ] Other (See Below)

The analysis must be submitted to the Department for review and approval prior to the Water Supply well being placed in service.

Other Conditions of This Permit:

Well can only be located in the area that is more than 1,000' from all MPL sites in the area as indicated on the map included with the ARGU review file.

Chris Sherrill, RS, CSS
Authorized Agent: Print Name

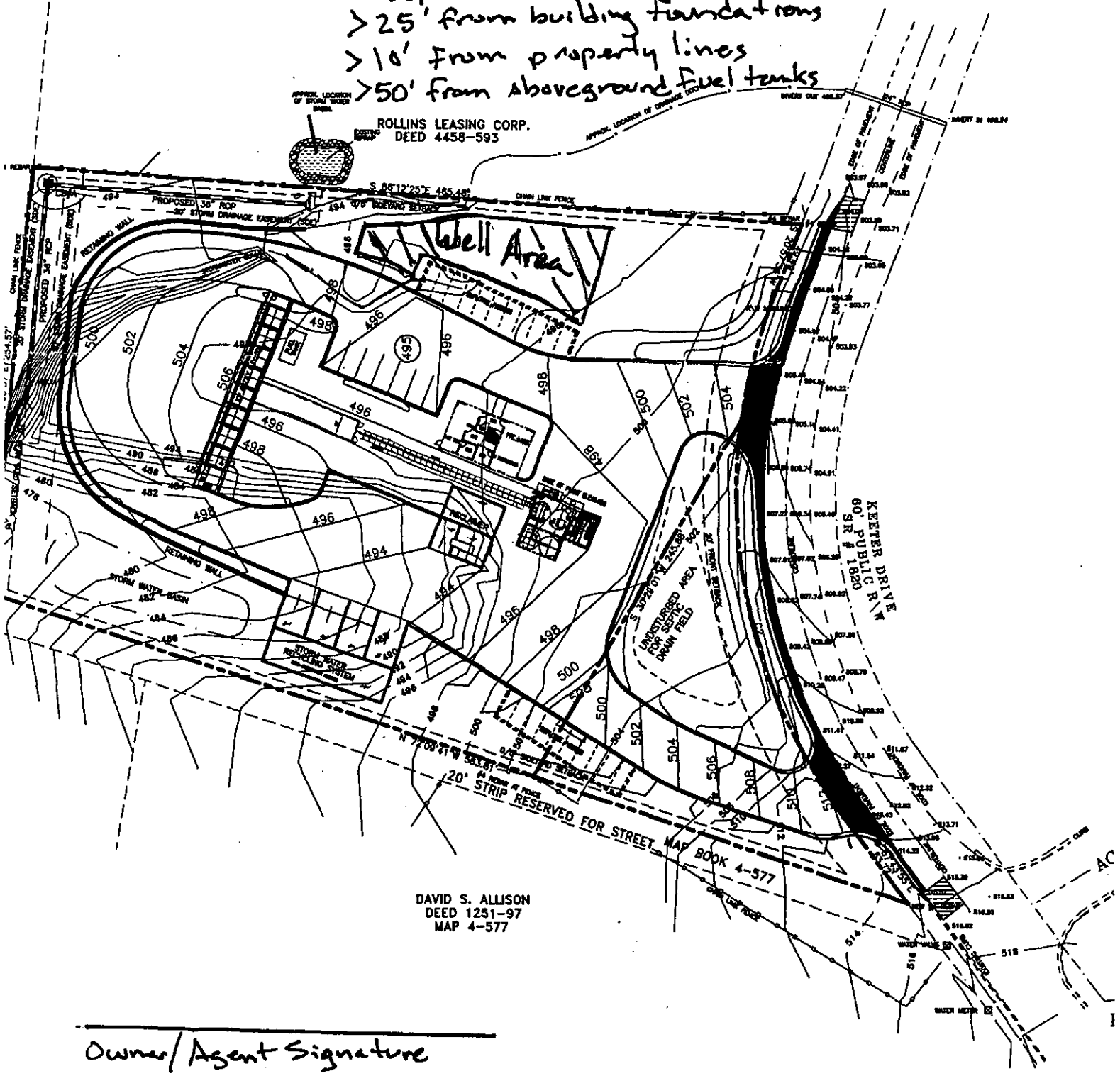
Signature:

Owner/Legal Agent: Print Name

Signature:

Well Setbacks:

- > 100' from any part of septic system
- > 25' from building foundations
- > 10' from property lines
- > 50' from aboveground fuel tanks



Owner/Agent Signature

Date

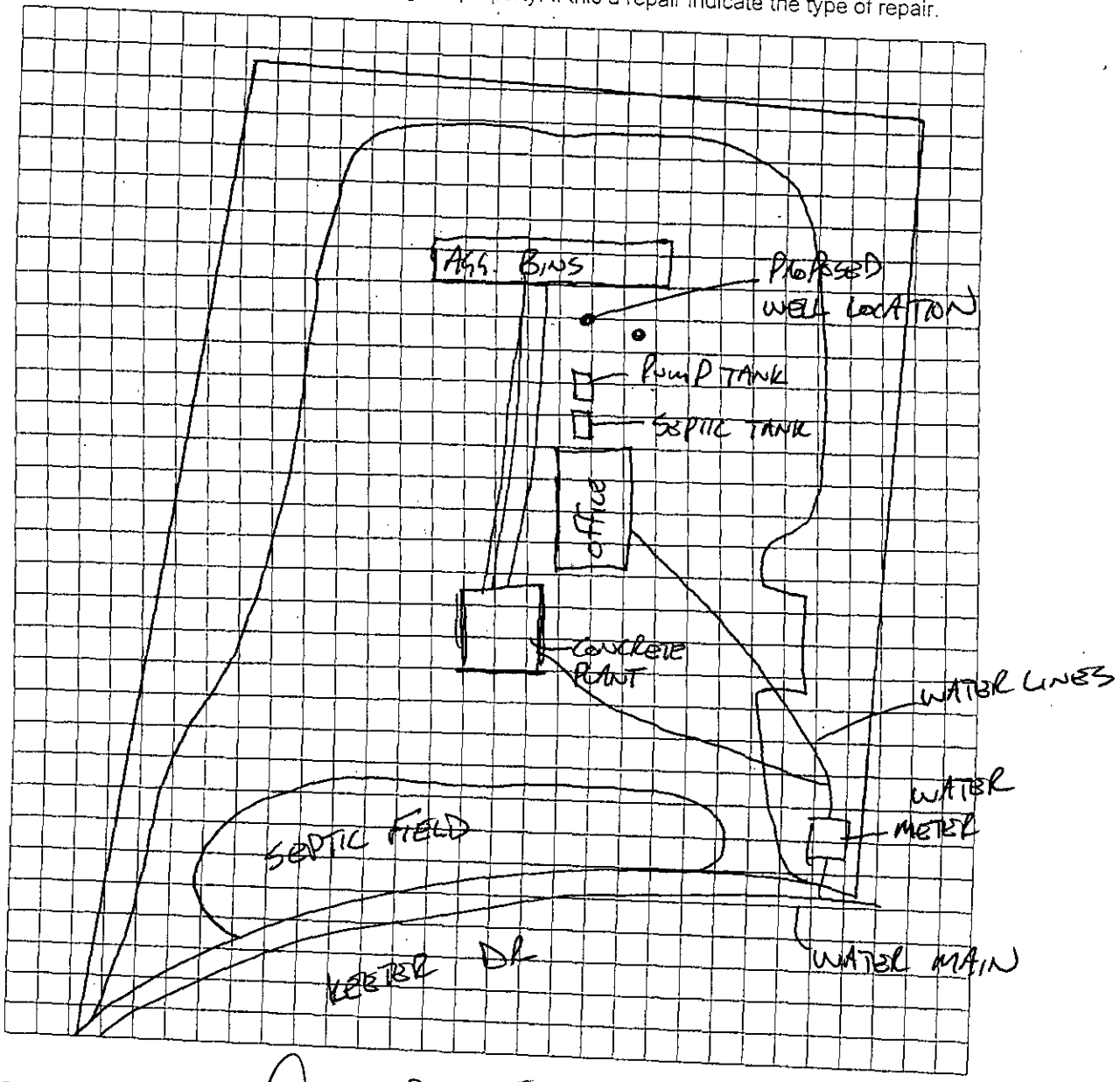
GRAPHIC SCALE 1

Mecklenburg County
Land Use & Environmental Service Agency
Groundwater & Wastewater Services
700 N. Tryon St., Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

File # 6392B
Date _____

PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence, or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.



Owner/Agent Signature Donna P. Turnbull

Date 7/23/07

LBC 12/15/04

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	07/23/07	**Amount:**	400.00
Receipt #:	51860	**Tendered:**	0.00
Check / Auth #:	MC 302003	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #: 200000
Contractor: TURNBULL DAVID
Attn: MACLEOD CONSTRUCTION
Address: P O BOX 320
Address:
City/State/Zip: DENVER, NC 28037

Item	Description	Permit#	Quantity	Unit Price	Total Price
0753	Private Well, New 4217 KEETER DR		1	400.00	400.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

FILE NUMBER: 6392B

Revised On: January 3, 2007

APPLICATION NUMBER: 2526

SEPTIC FEE: _____
DATE: _____

MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES
APPLICATION FOR A COMMERCIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

WELL FEE: 460.00
DATE: 7/23/07

1. SEPTIC / TYPE APPLICATION: ☐ NONE ☐ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFIED PLOT PLAN MP

2. WELL / TYPE APPLICATION: ☐ NONE ☒ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT 302003

3. JOB LOCATION INFORMATION:
TAX PARCEL NUMBER: 055-369-43
STREET ADDRESS: 4217 KEETER DR
CITY: CHARLOTTE
STATE: NC ZIP: 2
LOT #: LOT SIZE (acres): 3
TOWNSHIP:
☐ 0-MECKLENBURG ☐ 3-CORNELIUS ☐ 6-HUNTERSVILLE
☒ 1-CHARLOTTE ☐ 4-PINEVILLE ☐ 7-MINT HILL
☐ 2-DAVIDSON ☐ 5-MATTHEWS

4. BUILDING INFORMATION:
DESCRIBE TYPE OF BUSINESS: CONCRETE PLANT
☐ COMMERCIAL ☒ INDUSTRIAL
SQUARE FOOTAGE OF FACILITY: 3000
NUMBER OF EMPLOYEES PER SHIFT: 3
NUMBER OF SHIFTS: 1 NUMBER OF SEATS: 3
TYPE OF WASTEWATER GENERATED:
☐ DOMESTIC SEWAGE ☐ INDUSTRIAL WASTEWATER
☐ OTHER _____

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SYSTEM, INFORMATION DOCUMENTING THE INCREASED WASTEWATER FLOW AND/OR A JUSTIFICATION FOR SYSTEM ALTERATION IS REQUIRED.

6. WATER SUPPLY: ☒ MUNICIPAL ☐ PUBLIC WELL ☐ PRIVATE WELL ☐ SHARED WELL ☐ SPRING

7. PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☒ OTHER TO MAKE CONCRETE WITH IT.

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED)*:

8A. RANK: ☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☒ NO	GRADING/SOIL REMOVAL PERFORMED	☒ YES	☐ NO
EXISTING WASTEWATER SYSTEMS	☒ YES	☐ NO	JURISDICTIONAL WETLANDS	☐ YES	☒ NO
WELLS, SPRINGS, OR WATER LINES	☒ YES	☐ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	☐ YES	☒ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☒ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	☐ YES	☒ NO

10. PROPERTY OWNER:
NAME: R & L MACLEOD INV.
ADDRESS: PO Box 320
CITY: DENVER
STATE: NC ZIP: 28037
HOME PHONE: WORK PHONE: 704-4833580
MOBILE PHONE: FAX: 704-4833570

11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME: MACLEOD CONSTRUCTION, NC
ADDRESS: PO Box 320
CITY: DENVER
STATE: NC ZIP: 28037
HOME PHONE: WORK PHONE: 704-483-3580
MOBILE PHONE: 704-300-6335 FAX: 704-483-3570

12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 2006, 1 March
13 WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____

14. SEPTIC SYSTEM PERMIT APPLICATION SIGNATURE SECTION:
If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either 60 months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

_____
Property Owner's or Owner's Legal Representative Signature Date

15. WELL PERMIT APPLICATION SIGNATURE SECTION:
If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of 12 months from the date of issuance.

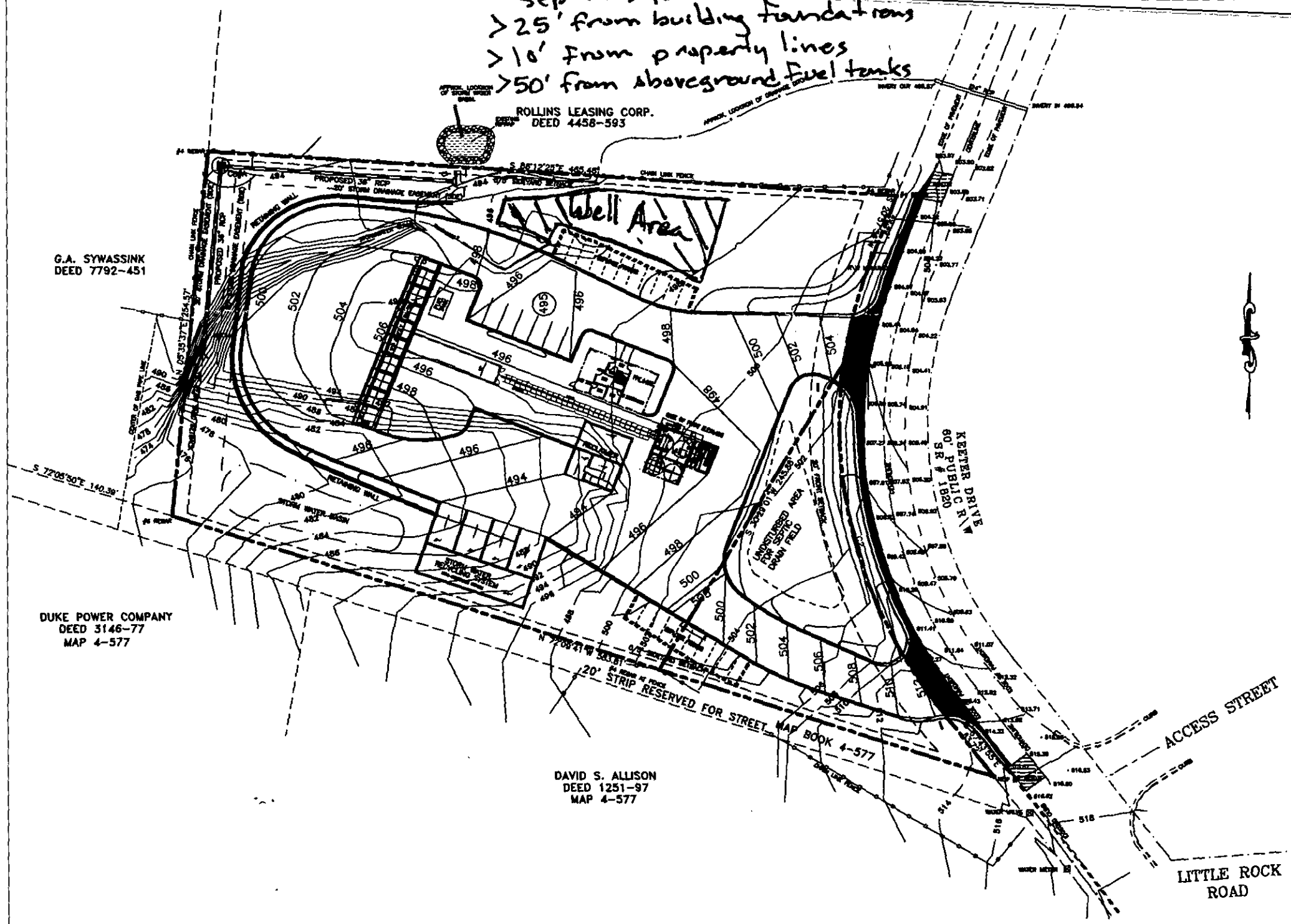
Dawn P. Turnbull 7/23/07
Property Owner's or Owner's Legal Representative Signature Date

☐ SURVEY PLAT TO SCALE SUBMITTED ☐ SCALED SITE PLAN SUBMITTED ☑ UN-SCALED SITE PLAN SUBMITTED

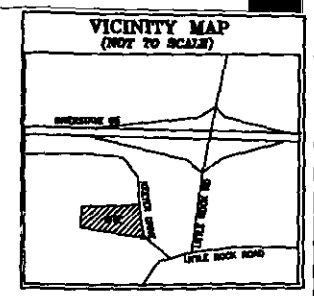
MECKLENBURG COUNTY-GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211, CHARLOTTE, NC 28202 PHONE: (704) 336-5103 FAX: (704) 336-6894

0753

Well Setbacks:
>100' from any part of septic system
>25' from building foundations
>10' from property lines
>50' from aboveground fuel tanks



VICINITY MAP
(NOT TO SCALE)



GENERAL NOTES:

1. BEFORE YOU DIG, CONTACT NC ONE CALL ONE 1-800-632-4949 FOR FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES.
2. ALL PROPOSED SPOT ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED ON PLANS.
3. IF DISCREPANCIES DEVELOP BETWEEN THE PROPOSED GRADES, AS SHOWN ON THE PLAN, AND THE EXISTING GROUND SURFACE, THE CONTRACTOR, WITH PRIOR APPROVAL OF THE OWNER, SHALL MAKE GRADING ADJUSTMENTS NECESSARY TO MAINTAIN THE GENERAL INTENT OF THE PLAN DESIGN.
4. WHERE UNSUITABLE MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIALS AND BACKFILL WITH STRUCTURAL FILL AS DIRECTED BY SOIL ENGINEER.
5. ALL SUBGRADES MUST BE PROOF ROLLED PRIOR TO PLACEMENT OF CURB AND GUTTER OR PAVEMENT.
6. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT OR FINISHED GRADE UNLESS OTHERWISE NOTED.
7. PROTECT IMPROVEMENTS ON ADJOINING PROPERTIES AND RESTORE ALL DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION.
8. BLASTING IS NOT PERMITTED WITHOUT PRIOR APPROVAL FROM THE CITY OF CHARLOTTE. BLASTING IS NOT PERMITTED.
9. FILL MATERIALS SHALL BE PLACED IN LAYERS NOT MORE THAN 8 INCHES AND
10. ALL AREAS SHALL BE GRADED WITHIN 0.1' OF PROPOSED GRADE SHOWN ON PLANS.
11. ALL "STD" NUMBERS REFER TO THE CHARLOTTE/MECKLENBURG LAND DEVELOPMENT STANDARDS.
12. ANY GRADING BEYOND THE DEFINED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY'S EROSION CONTROL ORDINANCE AND IS SUBJECT TO FINE.
13. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DISTURBED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE SHOWN ON THE PLAN. ALL GRADED AREAS AND SLOPES MUST BE SEEDED AND MULCHED WITHIN 21 DAYS.
14. NO SOIL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC OR BURIAL ARE ALLOWED IN THE TREE PROTECTION ZONE.
15. TREE BARRICADES MUST BE INSTALLED BEFORE ANY GRADING/CONSTRUCTION AND NOT REMOVED UNTIL AFTER FINAL INSPECTION BY URBAN FORESTER.
16. TREE PROTECTION BARRICADES MUST MEET OR EXCEED TREE ORDINANCE STANDARDS.
17. TOP SOIL & REGIONAL CUT MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
18. BEFORE GRADING/CONSTRUCTION BEGINS, CALL 336-4834 FOR INSPECTION OF TREE PROTECTION BARRICADES BY URBAN FORESTER.
19. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY'S EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
20. ON SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
21. FAILURE TO SCHEDULE AN ONSITE MEETING WITH THE CITY'S EROSION CONTROL COORDINATOR 48 HRS. PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION OF CHAPTER 18 OF THE CITY CODE AND IS SUBJECT TO FINE.
22. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1

CITY OF CHARLOTTE NOTES:

1. COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH INSPECTOR.
2. ALL ROAD IMPROVEMENTS OR ROUTER DRAIN SHALL BE COORDINATED WITH ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
3. DEVELOPER WILL PROVIDE STREET SIGNS PER CHARLOTTE 30.05 (3" SIGNS ONLY)
4. RIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.
5. IN ROLLING OR HILLY TERRAIN, PORTIONS OF THE BUTTON SIDE AND/OR APPLICATION OF A FINAL LIFT OF ASPHALT MAY BE REQUIRED. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR AND BASED ON FIELD CONDITIONS.
6. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHERE FIELD CONDITIONS REQUIRE OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNER(S).
7. IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.25% SLOPE ON THE CURB.
8. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
9. CURB AND GUTTER SHOWN ON PLANS ALONG KEETER DRIVE MAY BE ADJUSTED SLIGHTLY UPON FIELD REVIEW BY CITY ENGINEERING. ADJUSTMENTS TO STORM DRAINAGE MAY ALSO REQUIRE MODIFICATION BASED UPON FIELD CONDITIONS.
10. THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE AND ANY STRUCTURES AND/OR OBSTRUCTION TO STORM WATER FLOW IS PROHIBITED.
11. HIGH-DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPE INSTALLED WITHIN EXISTING OR PROPOSED PUBLIC STREET RIGHT-OF-WAY MUST BE APPROVED BY NC DOT PRIOR TO INSTALLATION AND SHALL BEAR THE "STREET RIGHT-OF-WAY" MARK. ANY HDPE MUST BE APPROVED BY THE CITY INSPECTOR PRIOR TO PLACEMENT OF THE MATERIAL WITHIN THE PUBLIC STREET RIGHT-OF-WAY.
12. ANY STRUCTURES WHICH INTERFERE WITH STREETS, CREEKS OR DRAINAGE CHANNELS, OR IN UNDEVELOPED AREAS, SHALL BE REMOVED FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TIMBER, JUNK AND OTHER ACCUMULATIONS.
13. PE SEALED SHOP DRAWINGS FOR RETAINING WALL MUST BE SUBMITTED TO CITY ENGINEER PRIOR TO CONSTRUCTION.
14. "AS-BUILT" DRAWINGS ARE REQUIRED FOR ALL STORM DRAINAGE SYSTEMS, INCLUDING DETENTION FACILITIES. AS-BUILT PLANS TO BE SUBMITTED FOR FINAL INSPECTION TO THE CITY/COUNTY ENGINEERING DEPARTMENT IN ACCORDANCE WITH THE CITY/COUNTY SUBDIVISION ORDINANCE.
15. PRIOR TO INSTALLATION OF STORM DRAIN STRUCTURES, AN INDEPENDENT LABORATORY CERTIFICATION OF PRECAST CONCRETE STRUCTURES MEETING ASTM DESIGNATION C478 SHALL BE FURNISHED TO CITY ENGINEERING INSPECTOR.
16. PRIOR TO CO, SURVEYOR SEALED AS-BUILT DRAWINGS OF UNDERGROUND DETENTION SYSTEMS MUST BE PROVIDED.
17. NON-STANDARD ITEMS (ID PAVERS, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE CHARLOTTE DEPARTMENT OF TRANSPORTATION/NORTH CAROLINA DEPARTMENT OF TRANSPORTATION) BEFORE INSTALLATION.

STORM DRAINAGE NOTES:

1. REINFORCED CONCRETE PIPE, CLASS III. CMP PIPE SHALL BE COATED PER NCDOT STDS.
2. DRAINAGE STRUCTURES SHALL BE PRE-CAST CONCRETE OR BRICK STRUCTURES PER NCDOT STANDARDS.
3. MINIMUM COVER FOR ALL PIPE IS (2) FEET
4. ALL GRATE AND FRAMES SHALL BE PER NCDOT STDS.
5. ALL TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 100% PERCENT PROCTOR UNDER PAVEMENT AND 95% PROCTOR OUTSIDE PAVEMENT.
6. GRATES FOR ALL CATCH BASINS & DROP INLETS SHALL BE CONCAVED WITH MINIMUM OPENING WIDTH OF 2'

TOP SOIL DISPOSAL NOTE:

ALL TOP SOIL AND UNSUITABLE MATERIALS SHALL BE REMOVED AND PLACED AT THE FOLLOWING LOCATIONS.
1. BERM AT THE REAR OF BUILDING
2. BACKFILL OF CURB AND LAWN AREAS
3. OTHER AREAS WITH PRIOR APPROVAL OF OWNER/ DEVELOPER

STORM DRAINAGE STRUCTURES DATA

STR. NO.	RIM ELEVATION	INV. IN	INV. OUT	REMARKS
CB#1	CB#1	CB#1	CB#1	
CB#2	CB#2	CB#2	CB#2	
DI#1	DI#1	DI#1	DI#1	
CB#3	CB#3	CB#3	CB#3	
FES#1	FES#1	FES#1	FES#1	

STORM DRAINAGE AREAS:

STORM WATER RECYCLING SYSTEM	39,000 SF
STORM WATER BASIN	31,000 SF

MANSOUR EDLIN CONSULTING
1515 MOCKINGBIRD LANE
SUITE 802 Charlotte, N. C. 28209
Phone 704/672-1560
Fax 704/672-1562

PROJECT NUMBER
DESIGN By
APPROVED By
DRAWN By
Date
REVISION FILE

ISSUE
6
5
4
3
2
1

REVISION

OWNER
MACLEOD CONSTRUCTION
P.O. BOX 964
DENVER, NC 28037
PHONE#: 704-483-3570

DEVELOPER
MACLEOD CONSTRUCTION
P.O. BOX 964
DENVER, NC 28037
PHONE#: 704-483-3570

PROJECT
MACLEOD CONCRETE PLANT
4217 KEETER DRIVE
CHARLOTTE, NC
TAX PARCEL #'s: 06539943 06539606

GRADING & DRAINAGE PLAN

E1

FILE NUMBER: 6392B

Revised On: January 3, 2007 CS

APPLICATION NUMBER: 2526

SEPTIC FEE: _____
DATE: _____

MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES
APPLICATION FOR A COMMERCIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

WELL FEE: 400
DATE: 7/23/07

1. SEPTIC / TYPE APPLICATION: ☐ NONE ☐ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFIED PLOT PLAN XP

2. WELL / TYPE APPLICATION: ☐ NONE ☒ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT 3020 02

COPY

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 055-369-43
STREET ADDRESS: 4217 KEETER DR
CITY: CHARLOTTE
STATE: NC ZIP: 2
LOT #: LOT SIZE (acres): 3
TOWNSHIP:

☐ 0-MECKLENBURG ☐ 3-CORNELIUS ☐ 6-HUNTERSVILLE
☒ 1-CHARLOTTE ☐ 4-PINEVILLE ☐ 7-MINT HILL
☐ 2-DAVIDSON ☐ 5-MATTHEWS

4. BUILDING INFORMATION:

DESCRIBE TYPE OF BUSINESS: CONCRETE PLANT

☐ COMMERCIAL ☒ INDUSTRIAL
SQUARE FOOTAGE OF FACILITY: 3000
NUMBER OF EMPLOYEES PER SHIFT: 3
NUMBER OF SHIFTS: 1 NUMBER OF SEATS: 3
TYPE OF WASTEWATER GENERATED:
☐ DOMESTIC SEWAGE ☐ INDUSTRIAL WASTEWATER
☐ OTHER _____

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SYSTEM, INFORMATION DOCUMENTING THE INCREASED WASTEWATER FLOW AND/OR A JUSTIFICATION FOR SYSTEM ALTERATION IS REQUIRED.

6. WATER SUPPLY: ☒ MUNICIPAL ☐ PUBLIC WELL ☐ PRIVATE WELL ☐ SHARED WELL ☐ SPRING

7. PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☒ OTHER TO MAKE CONCRETE WITH IT.

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE (1-MOST DESIRED 5-LEAST DESIRED):

8A. RANK: ☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES ☒ NO	GRADING/SOIL REMOVAL PERFORMED	☒ YES ☐ NO
EXISTING WASTEWATER SYSTEMS	☒ YES ☐ NO	JURISDICTIONAL WETLANDS	☐ YES ☒ NO
WELLS, SPRINGS, OR WATER LINES	☒ YES ☐ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	☐ YES ☒ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES ☒ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	☐ YES ☒ NO

10. PROPERTY OWNER:

NAME: R & L MACLEOD INV.
ADDRESS: PO Box 320
CITY: DENVER
STATE: NC ZIP: 28037
HOME PHONE: WORK PHONE: 704-4833580
MOBILE PHONE: FAX: 704-4833570

11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: MACLEOD CONSTRUCTION, NC
ADDRESS: PO Box 320
CITY: DENVER
STATE: NC ZIP: 28037
HOME PHONE: WORK PHONE: 704-483-3580
MOBILE PHONE: 704-309-6335 FAX: 704-483-357C

12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 2006, 1 7th
13 WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____

14. SEPTIC SYSTEM PERMIT APPLICATION SIGNATURE SECTION:
If the information in this application is falsified, changed, or the site is altered, *then the Improvement Permit and Authorization to Construct shall become* invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can *be performed. The permit is valid for either 60 months or is non-expiring* depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

_____
Property Owner's or Owner's Legal Representative Signature Date

15. WELL PERMIT APPLICATION SIGNATURE SECTION:
If the information in this application is falsified, changed, or the site is altered, *then the Well Permit shall become invalid. I have read this application and* certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period *of 12 months from the date of issuance.*

Dawn P. Turnbull 7/23/07
Property Owner's or Owner's Legal Representative Signature Date

☐ SURVEY PLAT TO SCALE SUBMITTED ☐ SCALED SITE PLAN SUBMITTED ☑ UN-SCALED SITE PLAN SUBMITTED

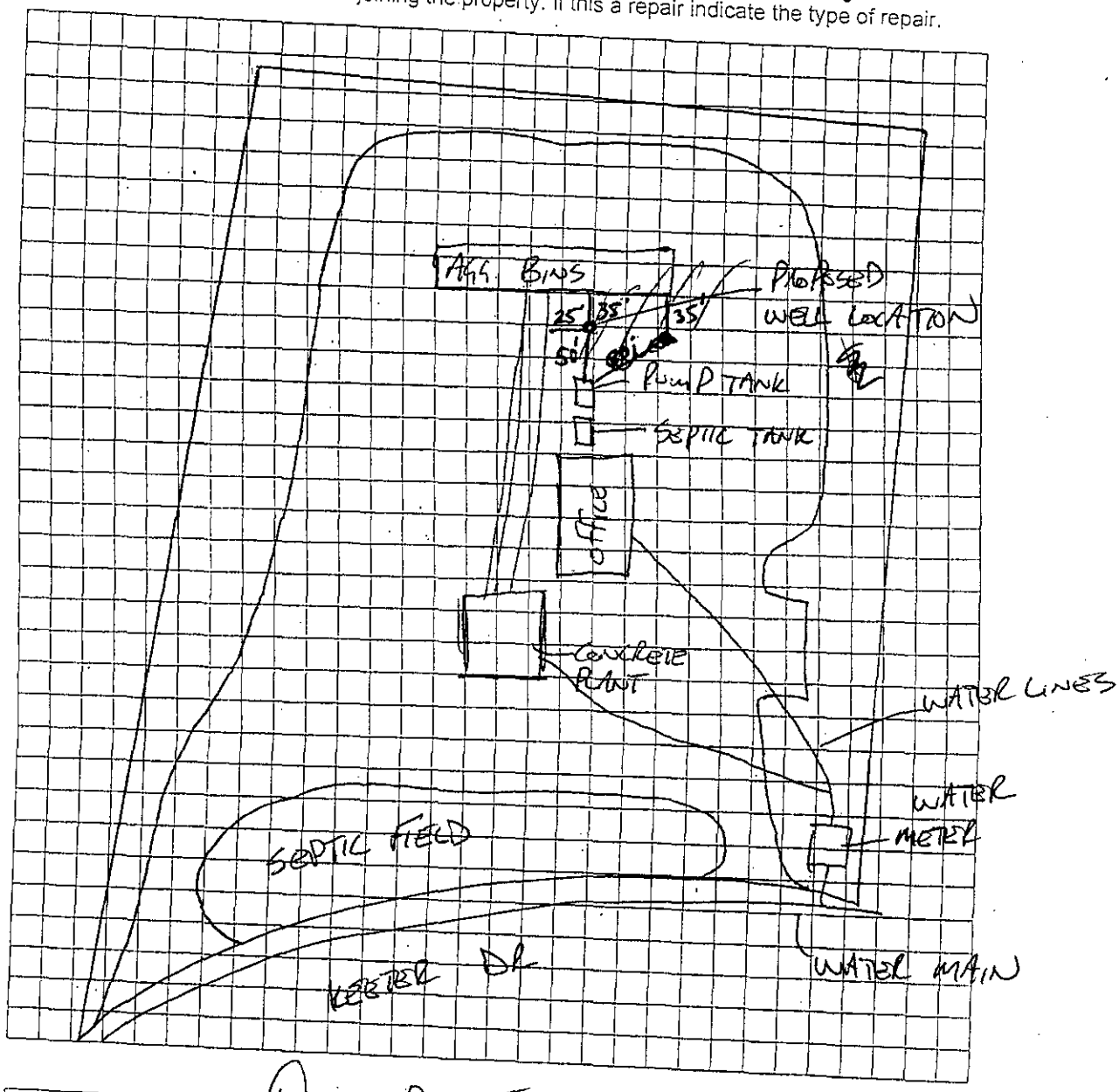
0753

Mecklenburg County
Land Use & Environmental Service Agency
Groundwater & Wastewater Services
700 N. Tryon St., Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

File # 6392B
Date _____

PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence, or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.



Owner/Agent Signature Donna P. Tumbull

Date 7/23/07

LBC 12/15/04

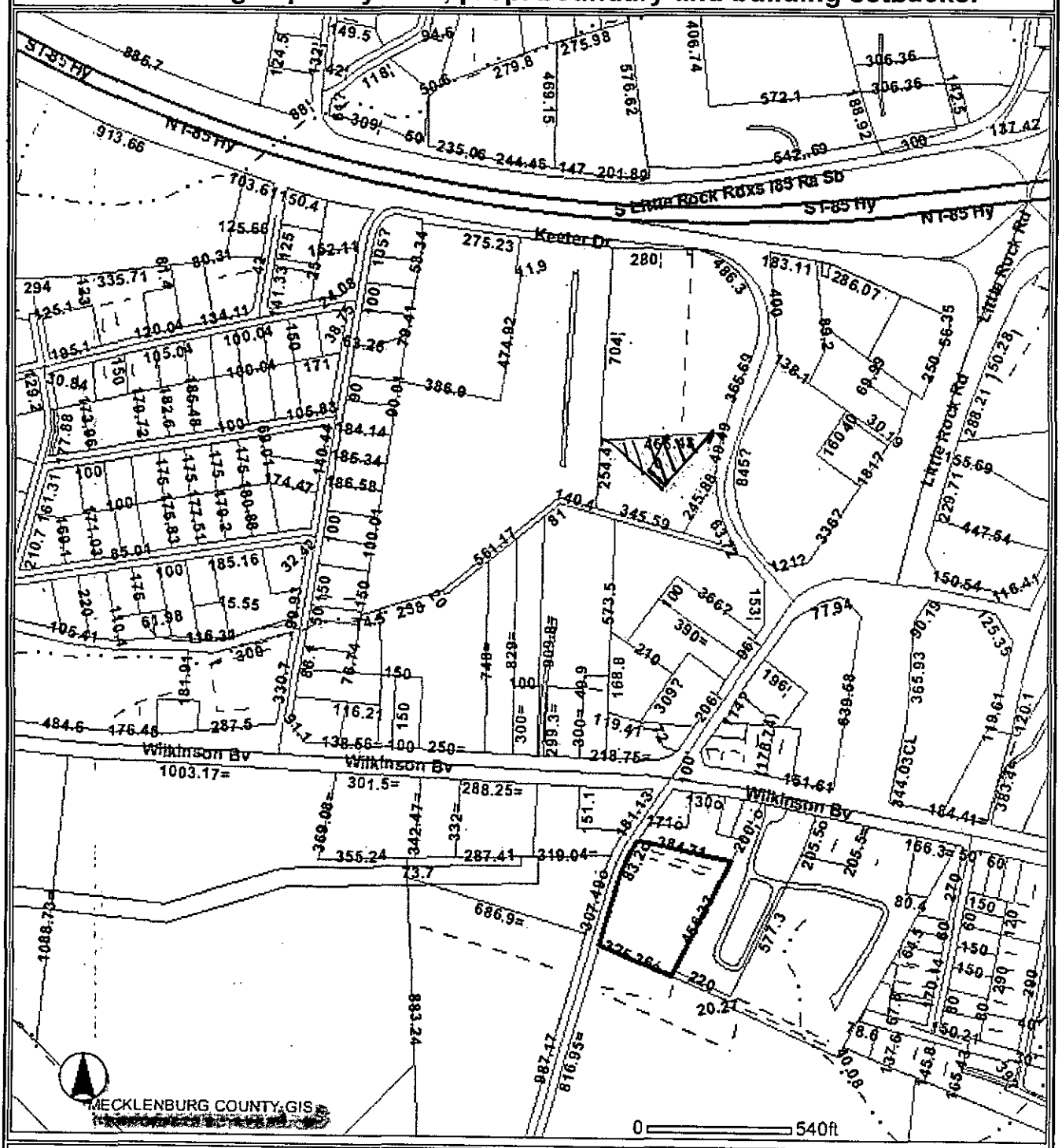
Mecklenburg County, North Carolina

POLARIS

Property Ownership Land Records Information System

Date Printed: Thu Jul 26 07:47:36 EDT 2007

Area suitable for well installation based on ARGU review, but not considering septic system, prop. boundary and building setbacks.



This map is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, planimetric maps, 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. Mecklenburg County and its mapping contractors assume no legal responsibility for the information contained herein.

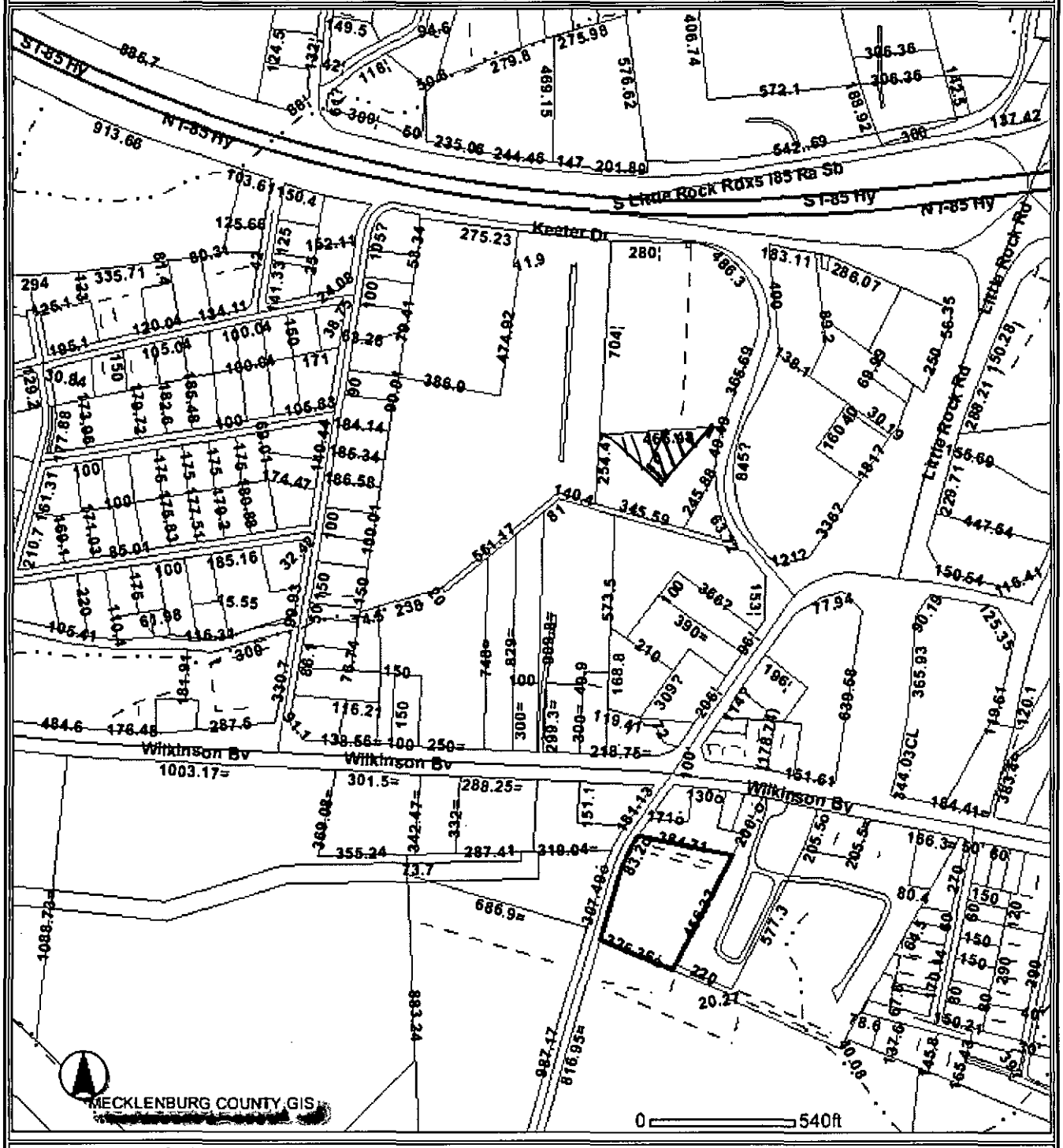
Mecklenburg County, North Carolina

POLARIS

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Area suitable for well installation based on ARGU review, but not considering septic system, prop. boundary and building setbacks.



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WORK ORDER

Work Order Number: 73983

In Service: _____ **Out of Service:** _____

WO Initiated Date: 7/26/07 11:27:54 AM **Supervisor:** STUTTS, JACK **Team Members:** **Shop:** CITY

Activity Performed: ARGU Well Review
Address: **Key Map:**

Crew Type: WR SR SS FH MR VS VR EV PM **Location of Worksite:** Front Rear Side Arrival: _____ Departure: _____

Size Main: $^3/_4$" 1" $1^1/_4$" $1^1/_2$" 2" 4" 6" 8" 10" 12" Other _____ **Size Service Connection:** $^3/_4$" 1" $1^1/_4$" $1^1/_2$" 2" 4" 6" 8" Other _____

Pipe Type: A.C. C.I. Clay Concrete PVC Steel Other _____ **Material (quick codes) used:** _____

Further Work Pending: Yes No Landscape Area: _____ Concrete Cut: _____ Asphalt Cut: _____ Fence: _____ wood chain link wrought iron brick other _____

Vehicle (quick code): _____ **Equipment (quick code):** _____ **Time Updated to C.O.S.:** _____ **Work Order Status:** IP
Update Map: N

Instructions:

1. Create one work order for each ARGU review performed.
2. Geocode the location using the location address from WASPS.
3. Attach the appropriate GIS well feature(s) from the ARGU_Wells_WASPS data layer under the ENTITIES tab.
4. Select the appropriate TOWN under the DETAILS tab.
5. All documentation associated w/ the review should be included as attachments.
6. Enter time for labor required to complete all work associated w/ review.
7. Use the COMMENTS field to document work activities.

ARGU Well features are automatically created in gis when the well permit application is entered into WASPS.

Comments: Create one work order per ARGU Review
By CALDWELL, SHAWNA: 7/26/07 11:30:43 AM
Based on this ARGU review this permit application is approved with the following conditions: Well can only be located in the area that is more than 1,000' from all MPL sites in the area as indicated on the map included with the ARGU review file. The well will also require installation under the Mecklenburg Co. Groundwater Regulations dated Oct. 5, 2004 Chapter VII Section IV Requirements for New Water Supply Wells Within an Area of Regulated Groundwater Usage to include grouting the full extent of the casing and GW sampling initially and biannually thereafter for volatiles and semi-volatiles.

Work Order Number: 73983

Associated Service Requests

RequestID	Date/Time Initialized	Priority	Description	Problem Address

Tasks

Order	Name	Start	Status	Proceed	Assigned To	Request Code	Comments

Employee #s _____ _____ _____ _____ _____ **Planner/Scheduler Sign Out:** _____

Hydrogeologist Permit Application Review

Application #: 2526
Permit File #: 6392B

Permit Type: New Well (Commercial)

ARGU Review Completed: (•) Yes ( ) No

Permit Denial?: ( ) Yes (•) No

Additional Conditions:

[x] Full Grouting [x] Casing to Bedrock [x] Sampling

[x] Volatile Organic Compounds (VOC's) [x] Semi-volatile Compounds [ ] Metals (Specify in Other Conditions)

[ ] Pesticides [ ] Herbicides [ ] Other

Comments/Other Sample Types:

Well can only be located in the area that is more than 1,000' from all MPL sites in the area as indicated on the map included with the ARGU review file.

EHS Review | Update

Time Spent (hours):
[x] Change: 6.00

The application has been forwarded to Chris Sherrill for review.

App. #: 2526

Septic Fee: 0.00

Date:

CRT[ ]

PERMIT APPLICATION FOR A COMMERCIAL / INDUSTRIAL SITE IMPROVEMENT PERMIT FOR ONSITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

FILE # 6392B

Well Fee: 400.00

Date: 7/23/2007

CRT[ ]

SEPTIC / TYPE APPLICATION: (•) NONE ( ) NEW SYSTEM ( ) ALTERATION ( ) REPAIR ( ) MODIFIED PLOT PLAN

WELL / TYPE APPLICATION: ( ) NONE (•) NEW WELL ( ) MAJOR REPAIR ( ) ABANDONMENT

JOB LOCATION INFORMATION:

TAX / PARCEL #: 055-369-43 ☐ PO

STREET ADDRESS: 4217 KEETER DR

CITY: Charlotte

STATE: NC ZIP: 28214

LOT #: 0

TOWNSHIP: 01

General Comments:

CONCRETE PLANT, WELL WILL BE USED TO MAKE CONCRETE

BUILDING INFORMATION:

DESCRIBE TYPE OF BUSINESS

☐ COMMERCIAL ☑ INDUSTRIAL

SQUARE FOOTAGE OF FACILITY: 3000

NUMBER OF EMPLOYEES PER SHIFT: 3

NUMBER OF SHIFTS: 1

TYPE OF WASTEWATER:

☐ SEWAGE ☐ INDUSTRIAL PROCESS WASTEWATER

HOW WILL WATER BE USED IN THE FACILITY?:

☐ TOILETS/URINALS ☐ HANDSINK/S

☐ SHOWERS ☐ FLOOR DRAINS

☐ OTHER

IF PLANNING TO EXPAND / ALTER THE EXISTING SYSTEM, INFORMATION DOCUMENTING THE INCREASED WASTEWAER FLOW AND/OR A JUSTIFICATION FOR A SYSTEM ALTERATION WILL BE REQUIRED.

WATER SUPPLY:

☑ MUNICIPAL (M) ☐ PUBLIC (C) ☐ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: (•) N/A ( ) IRRIGATION ( ) POTABLE ( ) GEOTHERMAL ( ) OTHER

PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST 5-LEAST DESIRED)*:

☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER

RANK: 0 0 0 0 0

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	( ) Yes (•) No	GRADING/SOIL REMOVAL PERFORMED	(•) Yes ( ) No
EXISTING WASTEWATER SYSTEMS	(•) Yes ( ) No	JURISDICTIONAL WETLANDS	( ) Yes (•) No
WELLS, SPRINGS, OR WATER LINES	(•) Yes ( ) No	APPROVAL REQ'RD BY OTHER AGENCY	( ) Yes (•) No
EASEMENTS OR RIGHT-OF-WAYS	( ) Yes (•) No	WASTEWATER OTHER THAN DOM. SEWAGE	( ) Yes (•) No

PROPERTY OWNER:

NAME: R & L MACLEOD INV

ADDRESS: P O BOX 320

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: MACLEOD CONSTRUCTION, INC.

ADDRESS: P O BOX 320

CITY:	DENVER		CITY:	DENVER	
STATE:	NORTH CAROLINA	ZIP: 28037	STATE:	NORTH CAROLINA	ZIP: 28037
HOME PHONE:		WORK: 704-483-3580	HOME PHONE:		WORK: 704-483-3580
MOBILE:		FAX: 704-483-3570	MOBILE:		FAX: 704-483-3570

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?

WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

PRINT | Update | Go to Front Counter | Duplicate

EDMS Report for ARGU Review
4217 Keeter Dr., Charlotte
Tax Parcel ID # 055-369-43
File # 6392B
App. #2526

Public water supplied by CMU is available at this site.

7/24/07 (Tues.) – Received request for ARGU review for new water supply well located at 4217 Keeter Dr., Charlotte.

7/26/07 (Thurs.) – Identified six MPL sites within 1,500 feet of the proposed and/or approved well location on the subject parcel. Based on this review, the status of 2 of these MPL sites will be changed to GWMPL. Four other MPL sites were identified within 2,000', but are more than 1,500' from the proposed and/or approved well location:

MPL# 175 Marriott Courtyard/Rea Construction
2700 Little Rock Rd., Charlotte, NC
NCDENR UST Inc. # 27908
Source: Home heating oil UST

File review indicates that TPH was detected in soils sampled under pump island, no additional investigation at this time.

MPL investigation completed in 2003. Seven wells were located and 6 were sampled with no detections.

The proposed WSW location is within 1,000' of the Marriott Courtyard/Rea Construction site.

MPL# 1192 L.E. Ham Painting Co.
6210 Wilkinson Blvd., Charlotte, NC
NCDENR UST Inc. # 8751
Source: petroleum UST

File review indicates that a release was detected in 1991 and the incident is currently ranked as a high risk GW site.

The proposed WSW location is within 1,000' of the L.E. Ham Painting Co. site.

MPL# 51 Airport Automotive
6100 Wilkinson Blvd., Charlotte, NC
NCDENR UST Inc. # 6951
Source: Petroleum UST

File review indicates that this is an active intermediate risk GW incident with free product.

MPL investigation completed in 2002. Seventeen wells were located and 9 were sampled with detections in 2 wells, located at 6101 Wilkinson Blvd. and 3604 Marshall Ave.

The proposed WSW location is within 1,000' of the Airport Automotive site, within 1,500', but more than 1,000' from the property at 6101 Wilkinson Blvd. and more than 1,500' from the property at 3604 Marshall Ave.

MPL# 671 Airport Property
3301 Barry Dr., Charlotte, NC
NCDENR UST Inc. # 15728
Source: heating oil UST

File review indicates that this is a soil only incident receiving clean closure in 1996, so the status will be changed to GWMPL.

The proposed WSW location is within 1,000' of the Airport Property site.

MPL# 1417 Mr. John Warlick
3312 Barry Dr., Charlotte, NC
NCDENR UST Inc. # ?
Source: home heating oil UST

File review indicates no NCDENR files for this location.

MPL investigation completed in 2007. Four wells were located and none were sampled. Status will be changed to GWMPL.

The proposed WSW location is within 1,500' of the John Warlick site.

MPL# 1176 Thrifty Car Rental
3145 Little Rock Rd., Charlotte, NC
NCDENR UST Inc. # 27908
Source: gasoline UST

File review indicates that this is an active low risk GW site, lowered from high risk in 2004 based on WSW abandonment in area.

The proposed WSW location is within 1,500' of the Thrifty Car Rental site.

Based on this ARGU review this permit application is approved with the following conditions: Well can only be located in the area that is more than 1,000' from all MPL sites in the area as indicated on the map included with the ARGU review file. The well will also require installation under the Mecklenburg Co. Groundwater Regulations dated Oct. 5, 2004 Chapter VII Section IV Requirements for New Water Supply Wells Within an Area of Regulated Groundwater Usage to include grouting the full extent of the casing and GW sampling initially and biannually thereafter for volatiles and semi-volatiles.

Date:7/26/07
Reviewed By:_SWC___

MECKLENBURG COUNTY

Land Use & Environmental Services Agency
Groundwater & Wastewater Services

ARGU Review Worksheet

Job Location Information

Tax Parcel ID #: 055-369-43 File # 6392B

Street Address: 4217 Keeter Dr., Charlotte

Contamination Site Information

(If more than one contamination site is within 2000 feet of the job location, fill out a separate review worksheet for each contamination site)

Tax Parcel ID #: 055-369-29 MPL # 1192

Street Address: 6210 Wilkinson Blvd., Charlotte

DENR Incident #: 8751

Current Status: Active NCDENR UST incident Why? High risk GW incident

Responsible Party: Times Oil

Responsible Party Contact Info: Lincolnton, NC

File Review

Attach the most recent extent of contamination map for each constituent above either 2L groundwater standard or Maximum Soil Contaminant Concentration (MSCC).

Attach copies of groundwater flow maps. (Watch of seasonal change)

Attach a copy of the most recent summary table for soil/groundwater laboratory analysis
Is the source area identified in either the report text or on a site map? Attach map or if text only, indicated the location on an extent of contamination map. Y
Based on this information, answer the following questions:

Has the extent of contamination been defined or partially defined for all constituents-of-concern? N

If Yes	ARGU is a 1500-foot buffer around the maximum extent of contamination

If No, is the source area defined? Y

If Yes	ARGU is a 1500-foot buffer around the source area
If No	ARGU is a 1500-foot buffer around the contamination site property boundary.

Is a public water supply (other than transient or non-transient supply wells) available to the proposed job location? Y

If No	Well allowed, but construction requirements apply. Sampling requirements may apply pending hydrogeologic review.
If Yes	Is the well within the first 1000 feet of the ARGU? N
If No	Well allowed, but construction requirements apply. Sampling requirements may apply pending hydrogeologic review.
If Yes	Permit denied.

Reviewer Comments: Based on review of the L.E. Ham Painting Co. MPL, the proposed well location is within the 1,000' of the MPL source area, so the permit is approved with a well located in the area more than 1,000' from the MPL source area, requiring grouting the full length of casing and sampling initially and biannually thereafter for volatiles and semi-volatiles.

Date:7/26/07
Reviewed By:_SWC___

MECKLENBURG COUNTY

Land Use & Environmental Services Agency
Groundwater & Wastewater Services

ARGU Review Worksheet

Job Location Information

Tax Parcel ID #: 055-369-43 File # 6392B

Street Address: 4217 Keeter Dr., Charlotte

Contamination Site Information

(If more than one contamination site is within 2000 feet of the job location, fill out a separate review worksheet for each contamination site)

Tax Parcel ID #: 115-172-18 MPL # 1176

Street Address: 3145 Little Rock Rd. , Charlotte

DENR Incident #: 27528

Current Status: Active NCDENR UST incident Why? Low risk GW incident

Responsible Party: Charlotte Douglas Airport

Responsible Party Contact Info: Charlotte, NC

File Review

Attach the most recent extent of contamination map for each constituent above either 2L groundwater standard or Maximum Soil Contaminant Concentration (MSCC).

Attach copies of groundwater flow maps. (Watch of seasonal change)

Attach a copy of the most recent summary table for soil/groundwater laboratory analysis
Is the source area identified in either the report text or on a site map? Attach map or if text only, indicated the location on an extent of contamination map. N
Based on this information, answer the following questions:

Has the extent of contamination been defined or partially defined for all constituents-of-concern? N

If Yes	ARGU is a 1500-foot buffer around the maximum extent of contamination

If No, is the source area defined? N

If Yes	ARGU is a 1500-foot buffer around the source area
If No	ARGU is a 1500-foot buffer around the contamination site property boundary.

Is a public water supply (other than transient or non-transient supply wells) available to the proposed job location? Y

If No	Well allowed, but construction requirements apply. Sampling requirements may apply pending hydrogeologic review.
If Yes	Is the well within the first 1000 feet of the ARGU? N
If No	Well allowed, but construction requirements apply. Sampling requirements may apply pending hydrogeologic review.
If Yes	Permit denied.

Reviewer Comments: Based on review of the Airport Automotive MPL, the proposed well location is within 1,500' of the MPL property boundary, so based on other MPLs in the area, the permit is approved with a well located in the area more than 1,000' from the MPL property boundary, requiring grouting the full length of casing and sampling initially and biannually thereafter for volatiles and semi-volatiles. _____

Date:7/26/07
Reviewed By:_SWC___

MECKLENBURG COUNTY

Land Use & Environmental Services Agency
Groundwater & Wastewater Services

ARGU Review Worksheet

Job Location Information

Tax Parcel ID #: 055-369-43 File # 6392B

Street Address: 4217 Keeter Dr., Charlotte

Contamination Site Information

(If more than one contamination site is within 2000 feet of the job location, fill out a separate review worksheet for each contamination site)

Tax Parcel ID #: 055-369-45 MPL # 51

Street Address: 6100 Wilkinson Blvd. , Charlotte

DENR Incident #: 6951

Current Status: Active NCDENR UST incident Why? Intermediate risk GW
Incident with FP

Responsible Party: deceased

Responsible Party Contact Info:

File Review

Attach the most recent extent of contamination map for each constituent above either 2L groundwater standard or Maximum Soil Contaminant Concentration (MSCC).

Attach copies of groundwater flow maps. (Watch of seasonal change)

Attach a copy of the most recent summary table for soil/groundwater laboratory analysis
Is the source area identified in either the report text or on a site map? Attach map or if text only, indicated the location on an extent of contamination map. N
Based on this information, answer the following questions:

Has the extent of contamination been defined or partially defined for all constituents-of-concern? N

If Yes	ARGU is a 1500-foot buffer around the maximum extent of contamination

If No, is the source area defined? N

If Yes	ARGU is a 1500-foot buffer around the source area
If No	ARGU is a 1500-foot buffer around the contamination site property boundary.

Is a public water supply (other than transient or non-transient supply wells) available to the proposed job location? Y

If No	Well allowed, but construction requirements apply. Sampling requirements may apply pending hydrogeologic review.
If Yes	Is the well within the first 1000 feet of the ARGU? N
If No	Well allowed, but construction requirements apply. Sampling requirements may apply pending hydrogeologic review.
If Yes	Permit denied.

Reviewer Comments: Based on review of the Airport Automotive MPL, the proposed well location is within 1,000' of the MPL property boundary, so the permit is approved with a well located in the area more than 1,000' from the MPL property boundary, requiring grouting the full length of casing and sampling initially and biannually thereafter for volatiles and semi-volatiles.

Date:7/26/07
Reviewed By: SWC

MECKLENBURG COUNTY

Land Use & Environmental Services Agency
Groundwater & Wastewater Services

ARGU Review Worksheet

Job Location Information

Tax Parcel ID #: 055-369-43 File # 6392B

Street Address: 4217 Keeter Dr., Charlotte

Contamination Site Information

(If more than one contamination site is within 2000 feet of the job location, fill out a separate review worksheet for each contamination site)

Tax Parcel ID #: 055-369-42 MPL # 175

Street Address: 2700 Little Rock Rd., Charlotte

DENR Incident #: 27908

Current Status: Active NCDENR UST incident Why? Impacted soil
Detected below pump island

Responsible Party: unknown

Responsible Party Contact Info:

File Review

Attach the most recent extent of contamination map for each constituent above either 2L groundwater standard or Maximum Soil Contaminant Concentration (MSCC).

Attach copies of groundwater flow maps. (Watch of seasonal change)

Attach a copy of the most recent summary table for soil/groundwater laboratory analysis
Is the source area identified in either the report text or on a site map? Attach map or if text only, indicated the location on an extent of contamination map. N
Based on this information, answer the following questions:

Has the extent of contamination been defined or partially defined for all constituents-of-concern? N

If Yes	ARGU is a 1500-foot buffer around the maximum extent of contamination

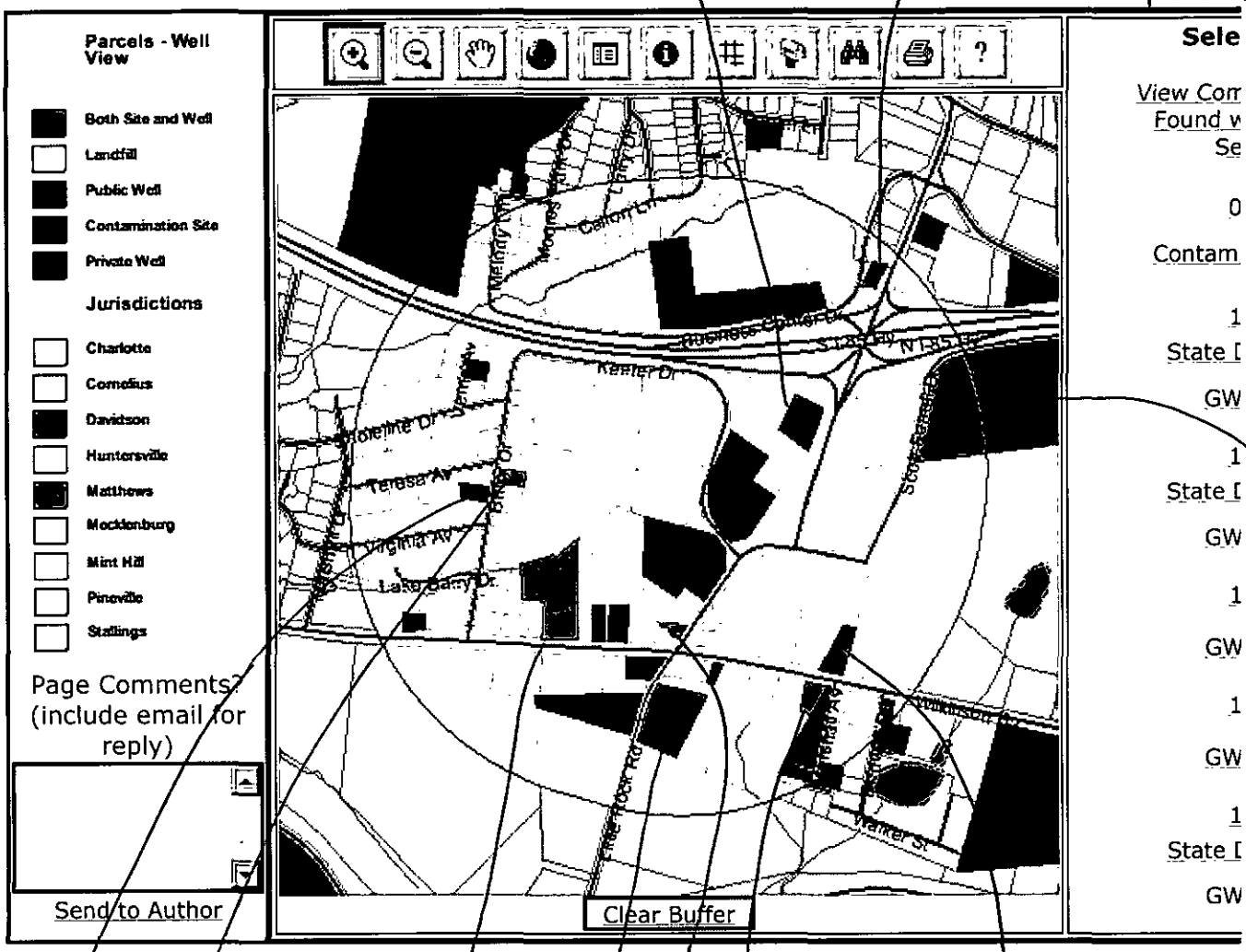
If No, is the source area defined? N

If Yes	ARGU is a 1500-foot buffer around the source area
If No	ARGU is a 1500-foot buffer around the contamination site property boundary.

Is a public water supply (other than transient or non-transient supply wells) available to the proposed job location? Y

If No	Well allowed, but construction requirements apply. Sampling requirements may apply pending hydrogeologic review.
If Yes	Is the well within the first 1000 feet of the ARGU? N
If No	Well allowed, but construction requirements apply. Sampling requirements may apply pending hydrogeologic review.
If Yes	Permit denied.

Reviewer Comments: Based on review of the Marriott Courtyard MPL, the proposed well location is within the 1,000' of the MPL property boundary, so the permit is approved with a well located in the area more than 1,000' from the MPL property boundary, requiring grouting the full length of casing and sampling initially and biannually thereafter for volatiles and semi-volatiles.



MARRIOT

Little Rock Sunoco Former

Hoovers Lifgo

Little Rock Auto Sales

Mr. John Warlick MPL447 Airport Prop.

L.E. Hum Painting

Airport Automotive

Thrifty Car Rental

Schneider National

Mecklenburg County, NC Groundwater & Wasterwater Services
Contamination Site Information

For questions or comments concerning the information on this page call 704-336-5500.

***Parcel ID:** 11517218
Name: THRIFTY CAR RENTAL, FORMER
House No: 3145
Street Dir:
Street Name: LITTLE ROCK
Street Type: RD
City: CHARLOTTE
State: NC
Zip: 28208
NC Incident Number: 27528 EXIT Well Information System

* Link to GIS Real Estate System

Active low risk UST incident

from mid-N line
prop boundary to
mid-N line
is 1500'
UST centrally located on site
from H to L risk in 2004 after USW w/i
250' abandoned. Active low risk site.

Mecklenburg County, NC Groundwater & Wasterwater Services
Contamination Site Information

For questions or comments concerning the information on this page call 704-336-5500.

***Parcel ID:** 05536914
Name: AIRPORT PROPERTY
House No: 3301
Street Dir:
Street Name: BARRY
Street Type: DR
City: CHARLOTTE
State: NC
Zip: 28219
NC Incident Number: 15728 EXIT Well Information System

* Link to GIS Real Estate System

from NW prop boundary
to mid-line N prop
boundary is 1,200'.

change to GUMP
closed SL only site
Inc 15728 MO-4681 C.O 5

Mecklenburg County, NC Groundwater & Wasterwater Services
Contamination Site Information

For questions or comments concerning the information on this page call 704-336-5500.

***Parcel ID:** 05536942
Name: MARRIOTT COURTYARD / Rea Construction
House No: 2700
Street Dir:
Street Name: LITTLE ROCK
Street Type: RD
City: CHARLOTTE
State: NC
Zip: 28214
NC Incident Number: 0 EXIT Well Information System →
27908

* Link to GIS Real Estate System

Documented soil cont. @ 3ft in pump island... not yet ranked

within 1,000' of 4217 Knight Dr

from NE prop boundary to mid-line N is 1,000'
from SW prop. boundary to mid-line N is 800'

TPH in pump island SL, active site

Mecklenburg County, NC Groundwater & Wasterwater Services
Contamination Site Information

For questions or comments concerning the information on this page call 704-336-5500.

***Parcel ID:** 05536929
Name: L. E. HAM PAINTING, FORMER
House No: 6210
Street Dir:
Street Name: WILKINSON
Street Type: BV
City: CHARLOTTE
State: NC
Zip: 28214
NC Incident Number: 8751 EXIT Well Information System →

* Link to GIS Real Estate System

Active high risk UST incident within 1000' of 4217 Kuter Dr.

All structures/ development on Southern half of prop. from this area to NW prop bound is 1,000' and to NE prop boundary is 1300'

from NE prop bound to mid-N is 800'
from SW prop bound to mid-N is 1450'
Active H risk GW incident

Mecklenburg County, NC Groundwater & Wasterwater Services
Contamination Site Information

For questions or comments concerning the information on this page call 704-336-5500.

***Parcel ID:** 05536945
Name: AIRPORT AUTOMOTIVE (FORMER)
House No: 6100
Street Dir:
Street Name: WILKINSON
Street Type: RD
City: CHARLOTTE
State: NC
Zip: 28214
NC Incident Number: 6951 EXIT Well Information System →

* Link to GIS Real Estate System

Active Intermediate risk UST incident

FP

most of prop.
Within 1,000' of 4217 Kuter Dr.

from SE prop. boundary, 1,100'± to upper (north) prop. boundary of 4217 Kuter Dr.

from mid N prop boundary to mid-line N prop. boundary is 1050'.

Active intermediate risk GW aff (FP)

Mecklenburg County, NC Groundwater & Wasterwater Services
Contamination Site Information

For questions or comments concerning the information on this page call 704-336-5500.

***Parcel ID:** 06128207
Name: HOOVER'S CITGO
House No: 5900
Street Dir:
Street Name: WILKINSON
Street Type: BV
City: CHARLOTTE
State: NC
Zip: 28208
NC Incident Number: 4032 EXIT Well Information System

* Link to GIS Real Estate System

From NW prop. boundary to NW prop. boundary is approximately 1800'

Mecklenburg County, NC Groundwater & Wasterwater Services
Contamination Site Information

For questions or comments concerning the information on this page call 704-336-5500.

***Parcel ID:** 11517210
Name: LITTLE ROCK AUTO SALES
House No: 5909
Street Dir:
Street Name: WILKINSON
Street Type: BV
City: CHARLOTTE
State: NC
Zip: 28208
NC Incident Number: 23089 EXIT Well Information System →

* Link to GIS Real Estate System

From NW prop boundary to mid-line N prop boundary for subject site is app. 1,800'

Mecklenburg County, NC Groundwater & Wasterwater Services
Contamination Site Information

For questions or comments concerning the information on this page call 704-336-5500.

***Parcel ID:** 06129201
Name: SCHNEIDER NATIONAL CARRIERS-4101 S I-85
House No: 4101
Street Dir: S
Street Name: I-85 SERVICE
Street Type: RD
City: CHARLOTTE
State: NC
Zip: 28208
NC Incident Number: 0 EXIT Well Information System

* Link to GIS Real Estate System

From N prop. boundary
to mid-line N prop.
boundary is >1,500'

Mecklenburg County, NC Groundwater & Wasterwater Services
Contamination Site Information

For questions or comments concerning the information on this page call 704-336-5500.

***Parcel ID:** 05535906
Name: LITTLE ROCK SUNOCO-FORMER
House No: 2640
Street Dir:
Street Name: LITTLE ROCK
Street Type: RD
City: CHARLOTTE
State: NC
Zip:
NC Incident Number: 27906 EXIT Well Information System

* Link to GIS Real Estate System

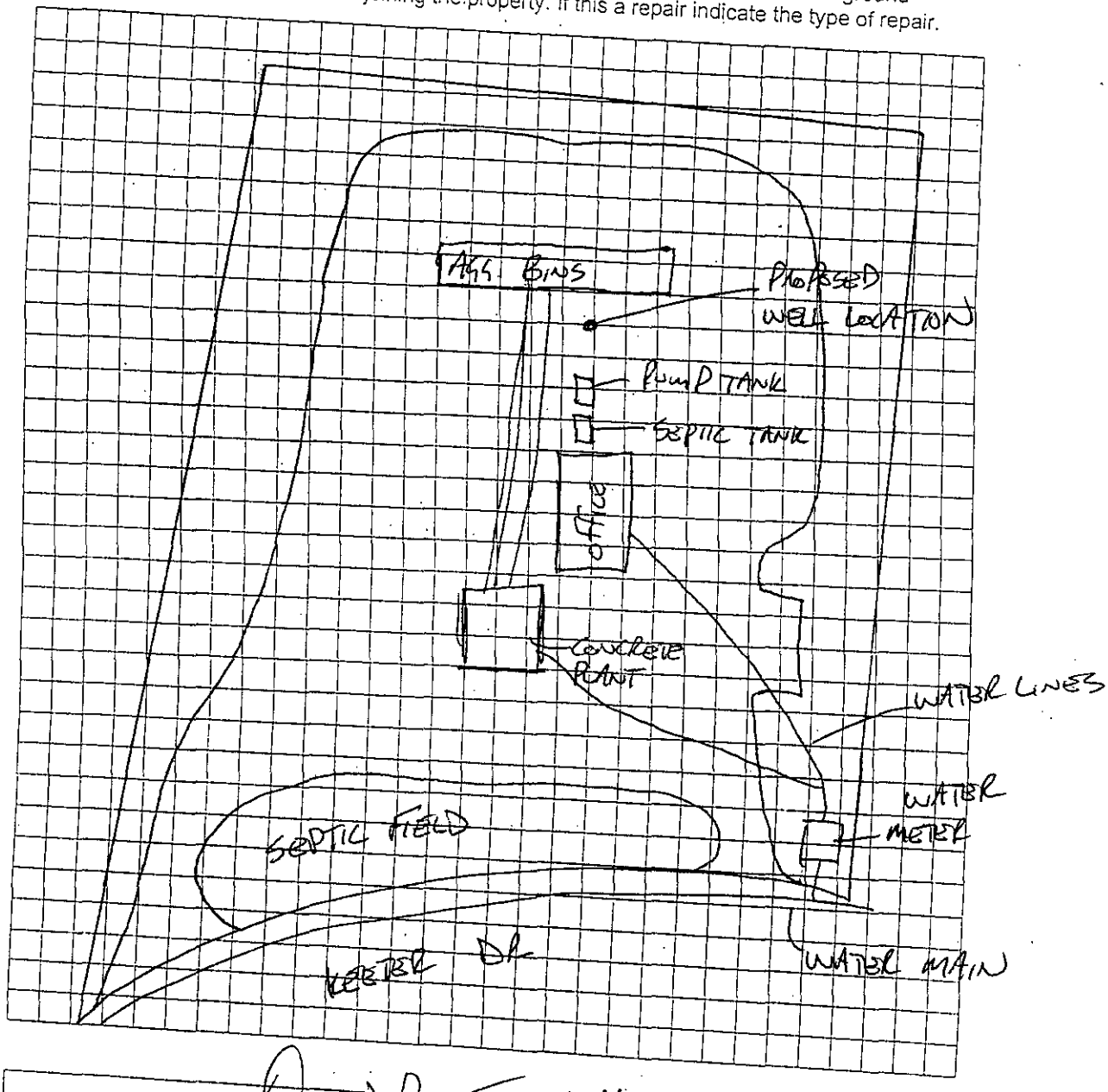
From SW prop. boundary to NE prop boundary is > 1500'

Mecklenburg County
Land Use & Environmental Service Agency
Groundwater & Wastewater Services
700 N. Tryon St., Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

File # 6392B
Date _____

PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence, or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.



Owner/Agent Signature Donna P. Turnbull

Date 7/23/07

LBC 12/15/04

Mecklenburg County, North Carolina

POLARIS

Property Ownership Land Records Information System

Date Printed: Thu Jul 26 07:47:36 EDT 2007

Area suitable for well installation based on MPLs, but not taking septic and prop. boundary setback into consideration.



This map is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, planimetric maps, and other public records and data. Users of this map are hereby notified that the aformentioned public primary information sources should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information contained herein.

Mecklenburg County, North Carolina

POLARIS

Property Ownership Land Records Information System

Date Printed: Thu Jul 26 07:47:36 EDT 2007

1,000' from Airport Automotive



Total Measure Line Length: 1004.39 Feet

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Mecklenburg County, North Carolina

POLARIS

Property Ownership Land Records Information System

Date Printed: Thu Jul 26 07:47:36 EDT 2007

1,000' from L.E. Ham



Total Measure Line Length: 1003.3 Feet

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Mecklenburg County, North Carolina

POLARIS

Property Ownership Land Records Information System

Date Printed: Thu Jul 26 07:47:36 EDT 2007

1,000' from Marriott



Total Measure Line Length: 1008.42 Feet

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FEE: 100.00
DATE: 12/11/07
CRT # 9C

CC# 633686

APPLICATION FOR APPROVAL TO USE AN EXISTING ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM
MECKLENBURG COUNTY - GROUNDWATER & WASTEWATER SERVICES
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

GWS – UES.APP 06/07

FILE #: 6392B

TYPE APPLCATION: ID 3087 CS

- ☐ ADDITION - INCREASE ROOMS/OCCUPANCY/MOBILE HOME SIZE (A / M)
- ☐ ADDITION - RENOVATION OR GARAGE WITH NO MAJOR CHANGES (X)
- ☐ EXCHANGE MOBILE HOME - SAME # BEDROOMS (Y)
- ☒ COMMERCIAL OR INDUSTRIAL (N)

PERSON FILING APPLICATION: (DAVID TURNBULL)
NAME: MACLEOD CONSTRUCTION, INC
ADDRESS: PO Box 320
CITY: DENVER, NC
STATE: NC ZIP: 28037
PHONE: 704-483-3580
ALTERNATE PHONE: 704-309-6335

PROPERTY OWNER:
NAME: R & L INVESTMENTS
ADDRESS: PO Box 320
CITY: DENVER
STATE: NC ZIP: 28037
PHONE: 704-483-3580
ALTERNATE PHONE:

JOB LOCATION INFORMATION
TAX/PARCEL #: 055-369-43
STREET ADDRESS: 4217 KEETER DR
CITY: CHARLOTTE
STATE: NC ZIP:
SUBDIVISION OR MOBILE HOME PARK NAME:
LOT #:

TOWNSHIP:
- ☒ 0-MECKLENBURG
- ☐ 1-CHARLOTTE
- ☐ 2-DAVIDSON
- ☐ 3-CORNELIUS
- ☐ 4-PINEVILLE
- ☐ 5-MATTHEWS
- ☐ 6-HUNTERSVILLE
- ☐ 7-MINT HILL

WATER SUPPLY:
☒ MUNICIPAL (M) ☐ COMMUNITY (C) ☐ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

RESIDENTIAL PROPERTY TYPE:
☐ HOUSE (H) ☐ MODULAR HOME (M) ☐ MULTIPLE FAMILY (U)
☐ SINGLE MOBILE HOME (S) ☐ DOUBLE WIDE (D)
☐ OTHER (O)

OCCUPANCY (both fields are required):
NUMBER OF BEDROOMS:
NUMBER OF OCCUPANTS:

COMMERCIAL / INDUSTRIAL PROPERTY TYPE:
TYPE OF BUSINESS: CONCRETE PLANT
EMPLOYEES PER SHIFT: 3
OF SHIFTS: 1

INDUSTRIAL WASTES? ☐ YES ☒ NO
UNDERGROUND STORAGE TANKS? ☐ YES ☒ NO

ADDITION TYPE ATTACHED TO EXISTING STRUCTURE:
☐ BEDROOM ☐ BATHROOM ☐ KITCHEN ☐ DINING ROOM ☐ LIVING ROOM ☐ DEN
☐ GARAGE ☐ SUNROOM ☐ PORCH ☐ DECK ☐ OTHER

ADDITION TYPE DETACHED FROM EXISTING STRUCTURE:
☐ DETACHED GARAGE ☐ DETACHED GARAGE WITH PLUMBING ☐ POOL HOUSE ☐ SHOP ☐ BARN
☐ STORAGE SHED ☐ DETACHED PORCH / DECK ☐ OTHER

*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 the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

David T. Turnbull — 12/11/07
Owner's/Agent's Signature — Date

*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 Sanitary Sewage Collection, Treatment and Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

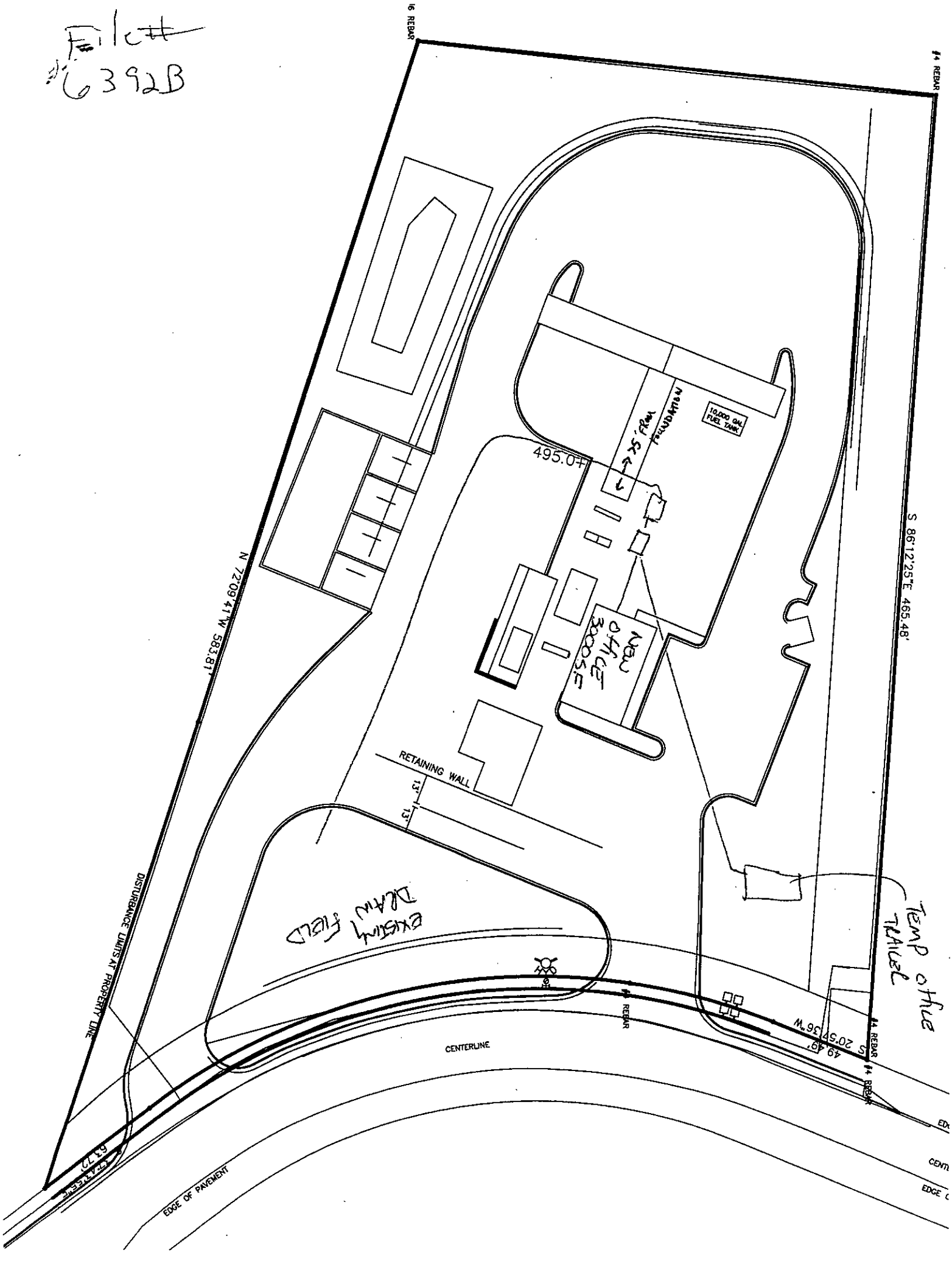
- No work shall be conducted on the septic tank system until an installation, construction, alteration and/or repair approval is granted y this Department.
- This permit is not transferable.

☐ ADDITION / RENOVATION APPROVAL - VALID 1 YEAR FROM ISSUANCE
☐ MOBILE HOME EXCHANGE APPROVAL - VALID 6 MONTHS FROM ISSUANCE

OK TO USE EXISTING SYSTEM

Christopher M. Shuff — 1/9/08
EHS Signature — Date

File #
6392B


#6 REBAR
#4 REBAR
S 86°12'25"E 465.48'
N 27°09'41"W 583.81'
495.0±
10,000 GAL FUEL TANK
>25' FROM FOUNDATION
NEW OFFICE 3000SF±
RETAINING WALL
13'
13'
EXISTING FIELD
DRAIN
TEMP OFFICE TRAILER
DISTURBANCE LIMITS AT PROPERTY LINE
#4 REBAR
#4 REBAR
#4 REBAR
S 20°57'36"W
49.49'
CENTERLINE
EDGE OF PAVEMENT
63.79'
EDGE
CENTE

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 6239B Permit #: _____ Tax Parcel #: 197-241-22

Property Owner: NVR, Inc.

Job Location Address: 11905 JUMPER DR. (LOT # 32)

City: MINT HILL State: NC Zip Code: 28227

Operation Permit Issuance Date: 4/18/07 Contractor Name: RCS

Permitted Design Flow: 360 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Effluent Pump Model: WE 0311L GOULDS ½ hp

Drainfield Installation ☐ N/A

Trench Depth: 27 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 360 feet

# of Lines: 6 @ 60 feet

Depth of Media: 12 inches (Type) INNOVATIVE

Depth of Cover: 12 inches

Distribution Device: PRESSURE MANIFOLD

Bed Installation *(For Repair Installations ONLY.)* ☑ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☑ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: 25 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: 10 feet

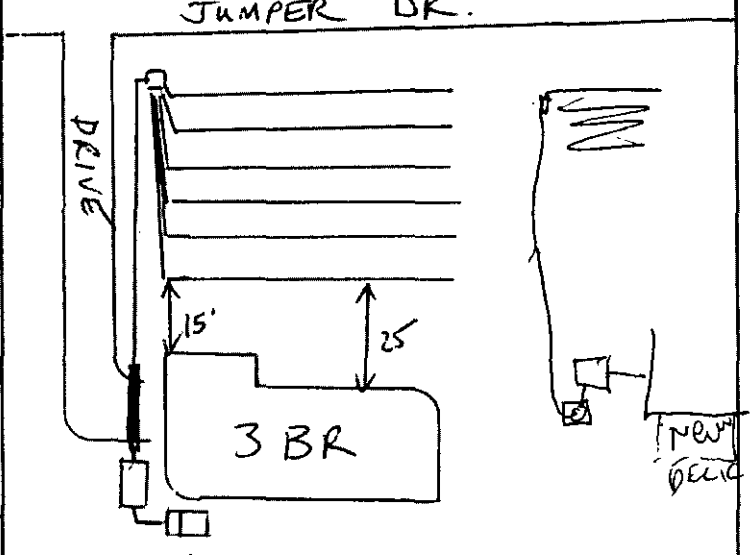
Inspection Dates

Tank(s) Inspected: 4/18/07

Excavation Inspected: 4/18/07

Pump & Controls Inspected: 4/18/07

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



wrong position for
acc. field visit mnlc 10-507 w/ YJ

The undersigned has inspected the Septic Tank System described above, and certifies it has been ☑ installed ☐ altered ☐ repaired ☑ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this 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 15A NCAC 18A. 1900 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 or Revocation of this permit.

Comments: System Classification & Type: III b PUMP 25% REDUCTION, EZ FLOW 1203H SUPPLY LINE SLEEVED W/ SCH 80 AT DRIVEWAY CROSSING; I will INSPECT EVERY 5 YRS.

DENR Authorized Agent: Chris Sherrill, RS, LSS Signature: Christopher M Sherrill

Randall, Kelly

From: Thomason, Trevor
Sent: Friday, August 10, 2007 10:25 AM
To: Corbitt, Lisa
Cc: Sherrill, Christopher; Randall, Kelly
Subject: RE: Service Request and work orders

Chris and I met this morning and went over the proper steps for completing sewage complaint service requests and work orders.

From: Corbitt, Lisa
Sent: Monday, August 06, 2007 5:12 PM
To: Thomason, Trevor
Cc: Sherrill, Christopher; Randall, Kelly
Subject: Service Request and work orders

Chris and I figured out today that he has been entering information Service Request incorrectly into Cityworks.

This is what he has been doing:
He receives an email for an service request.
He prints the email and contacts the person making the request.
He goes out to the site.
He comes back and creates a work order and documents his work.
He never opens the service request.

This is what he needs to be doing.
He receives an email that states he has a service request.
He should open the service request through Cityworks.
He contacts the person making the request. He goes out to the site.
He comes back and opens the Service request. He documents in comments what he found.
If there is work to do (for example an NOV) he creates a work order through the service request. From now on he will document all work activity in the work order.
To close out the service request he needs to:
Change the status from IP to Com
Put in the Completed date
Submit to Kelly
Enter in his Labor
Save the the Service request

I need you to work with him to see what work orders we need to attach to the service request. Walk him through the training one more time to make sure he has the process down.

Thank you

Lisa Corbitt, P.G., R.S.
Program Manager
Mecklenburg County LUESA
Groundwater & Wastewater Services

704-336-5789
Lisa.Corbitt@MecklenburgCountyNC.gov
http://Groundwater.charmeck.org

chk # 40486

GWS- COM. APP 07/05

SEPTIC FEE: 400
DATE: 3/09/06
CRT [ ]

PERMIT APPLICATION FOR A COMMERCIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL
MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

FILE # 6392B

WELL FEE:
DATE:
CRT [ ]

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

WELL / TYPE APPLICATION: ☑ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

JOB LOCATION INFORMATION

PROJECT TRACKING #:
TAX/PARCEL #: 05536943
STREET ADDRESS: 4217 Keeter Drive
CITY: Charlotte Keeter Dr.
STATE: NC **ZIP:** 28214
LOT #:
TOWNSHIP:

☑ 0-MECKLENBURG ☐ 4-PINEVILLE
☐ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☐ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☐ 7-MINT HILL

BUILDING INFORMATION:

DESCRIBE TYPE OF BUSINESS:

☐ COMMERCIAL ☑ INDUSTRIAL
SQUARE FOOTAGE OF FACILITY: 3000
NUMBER OF EMPLOYEES PER SHIFT: 3
NUMBER OF SHIFTS: 1
TYPE OF WASTEWATER:
☑ SEWAGE ☐ INDUSTRIAL PROCESS WASTEWATER
HOW WILL WATER BE USED IN THE FACILITY?:
☑ TOILETS/URINALS ☐ HANDSINKS ☐ SHOWERS
☐ FLOOR DRAINS ☐ OTHER

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM, INFORMATION DOCUMENTING THE INCREASED WASTEWATER FLOW AND/OR A JUSTIFICATION FOR SYSTEM ALTERATION WILL BE REQUIRED.

WATER SUPPLY:
☑ MUNICIPAL (M) ☐ PUBLIC (C) ☐ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☑ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☑ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES	☑ NO
EXISTING WASTEWATER SYSTEMS	☐ YES	☑ NO	DESIGNATED WETLANDS	☐ YES	☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☑ NO

PROPERTY OWNER:

NAME: David Foller
ADDRESS: 3834 Lankston Dr
CITY: Charlotte
STATE: NC ZIP: 28226
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: MacLeod Construction Inc
ADDRESS: PO 320
CITY: Denver
STATE: NC ZIP: 28037
HOME PHONE: WORK PHONE: 704 483-3580 Ext 12
MOBILE PHONE: 704-361-4631 FAX: 704-483-3570

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? Aug 1993 ?
WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? May 15, 2006

*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 the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

3/09/06
Owner's/Agent's Signature Date

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

*A Well 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 the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202
704-336-5103 / FAX:704-336-6894

Attn Kelly Rankin

0735

Change of Information

WELL CONST. APP 07/05

PERMIT APPLICATION FOR A COMMERCIAL SITE
IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION
FOR ON-SITE WASTEWATER SYSTEM
NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL
MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

FILE # 63926

SEPTIC FEE: _____
DATE: _____
CRT [ ]

WELL FEE: _____
DATE: _____
CRT [ ]

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

WELL / TYPE APPLICATION: ☒ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

JOB LOCATION INFORMATION

PROJECT TRACKING #:
TAX/PARCEL #: 05536943
STREET ADDRESS: 4217 Keeter Drive
CITY: Charlotte
STATE: NC ZIP: 28214
LOT #:
TOWNSHIP:

☑ 0-MECKLENBURG ☐ 4-PINEVILLE
☐ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☐ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☐ 7-MINT HILL

BUILDING INFORMATION:

DESCRIBE TYPE OF BUSINESS:

☐ COMMERCIAL ☑ INDUSTRIAL
SQUARE FOOTAGE OF FACILITY: 224
NUMBER OF EMPLOYEES PER SHIFT: 2
NUMBER OF SHIFTS: 1
TYPE OF WASTEWATER:
☑ SEWAGE ☐ INDUSTRIAL PROCESS WASTEWATER
HOW WILL WATER BE USED IN THE FACILITY?:
☑ TOILETS/URINALS ☐ HANDSINKS ☐ SHOWERS
☐ FLOOR DRAINS ☐ OTHER

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM, INFORMATION DOCUMENTING THE INCREASED WASTEWATER FLOW AND/OR A JUSTIFICATION FOR SYSTEM ALTERATION WILL BE REQUIRED.

WATER SUPPLY:

☐ MUNICIPAL (M) ☐ PUBLIC (C) ☐ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER SPRINGS/ (O)

PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☑ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES	☑ NO
EXISTING WASTEWATER SYSTEMS	☐ YES	☑ NO	DESIGNATED WETLANDS	☐ YES	☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☑ NO

PROPERTY OWNER:

NAME: R & L Macleod Investments
ADDRESS: P.O. 320
CITY: Denver
STATE: NC ZIP: 28037
HOME PHONE: WORK PHONE: 704-483-3580 Ext 12
MOBILE PHONE: 704-361-4631 FAX: 704-483-3570

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?

WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

"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 the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature — Date 9/5/06

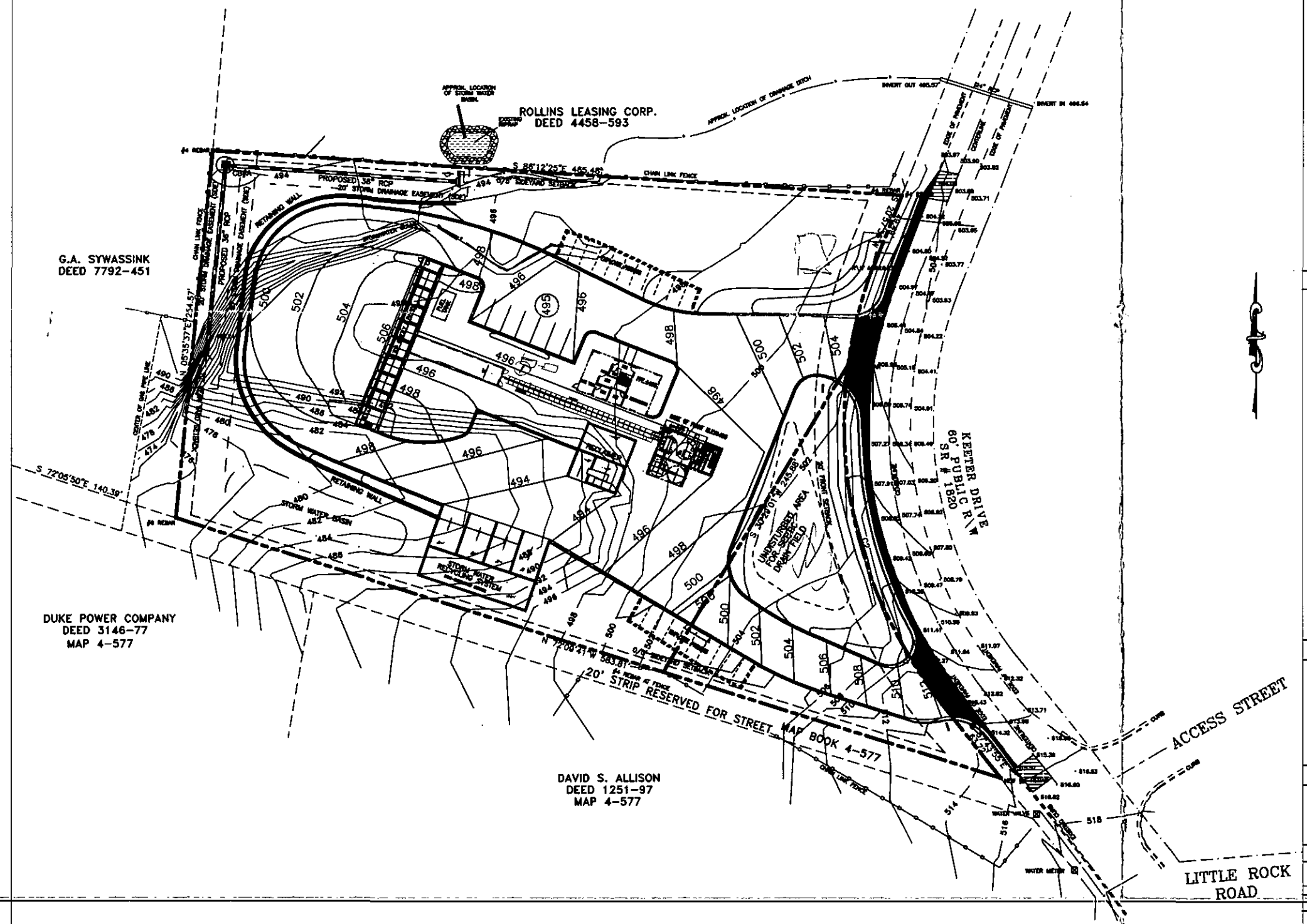
NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT & NATURAL RESOURCES DIVISION
OF ENVIRONMENTAL HEALTH ON-SITE
WASTEWATER SECTION

"A Well 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 the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

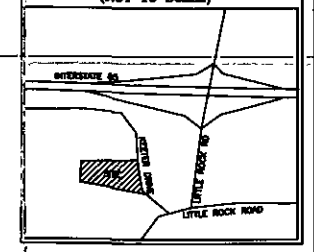
Owner's/Agent's Signature — Date

MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202
704-336-5100 / FAX:704-336-5994

Attn. Kelly Powell



VICINITY MAP
(NOT TO SCALE)



GENERAL NOTES:

1. BEFORE YOU DIG, CONTACT NC ONE CALL ONE 1-800-632-4949 FOR FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES.
2. ALL PROPOSED SPOT ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED ON PLAN.
3. IF DISCREPANCIES DEVELOP BETWEEN THE PROPOSED GRADES, AS SHOWN ON THE PLAN, AND THE EXISTING GROUND SURFACE, THE CONTRACTOR, WITH PRIOR APPROVAL OF THE OWNER, SHALL MAKE GRADING ADJUSTMENTS NECESSARY TO MAINTAIN THE GENERAL INTENT OF THE PLAN DESIGN.
4. WHERE UNSUITABLE MATERIAL IS ENCOUNTERED, THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIALS AND BACKFILL WITH STRUCTURAL FILL AS DIRECTED BY SOIL ENGINEER.
5. ALL SUBGRADES MUST BE PROOF ROLLED PRIOR TO PLACEMENT OF CURB AND GUTTER OR PAVEMENT.
6. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT OR FINISHED GRADE UNLESS OTHERWISE NOTED.
7. PROTECT IMPROVEMENTS ON ADJOINING PROPERTIES AND RESTORE ALL DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION.
8. BLASTING IS NOT PERMITTED WITHOUT PRIOR APPROVAL FROM THE CITY OF CHARLOTTE. BURNING IS NOT PERMITTED.
9. FILL MATERIALS SHALL BE PLACED IN LAYERS NOT MORE THAN 8 INCHES AND COMPACTED TO 100% STD. PROCTOR.
10. ALL AREAS SHALL BE GRADED WITHIN 0.1' OF PROPOSED GRADE SHOWN ON PLANS.
11. ALL "STD" NUMBERS REFER TO THE CHARLOTTE/MECKLENBURG LAND DEVELOPMENT STANDARDS.
12. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY'S EROSION CONTROL ORDINANCE AND IS SUBJECT TO FINE.
13. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE SHOWN ON THE PLAN. ALL GRADED AREAS AND SLOPES MUST BE SEEDED AND MULCHED WITHIN 21 DAYS.
14. NO SOIL DISTURBANCE OR COMPACTION, CONSTRUCTION MATERIALS, TRAFFIC OR BURIAL PITS ALLOWED IN THE TREE PROTECTION ZONE.
15. TREE BARRICADES MUST BE INSTALLED BEFORE ANY GRADING/CONSTRUCTION AND NOT REMOVED UNTIL AFTER FINAL INSPECTION BY URBAN FORESTER.
16. TREE PROTECTION BARRICADES MUST MEET OR EXCEED TREE ORDINANCE STANDARDS.
17. TOP SOIL & RESIDUAL CUT MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
18. BEFORE GRADING/CONSTRUCTION BEGINS, CALL 336-4824 FOR INSPECTION OF TREE PROTECTION BARRICADES BY URBAN FORESTER.
19. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY'S EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
20. ON SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
21. FAILURE TO SCHEDULE AN ONSITE MEETING WITH THE CITY'S EROSION CONTROL COORDINATOR 48 HRS. PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION OF CHAPTER 18 OF THE CITY CODE AND IS SUBJECT TO FINE.
22. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1

CITY OF CHARLOTTE NOTES:

1. COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH INSPECTOR.
2. ALL ROAD IMPROVEMENT ON KEETER DRIVE SHALL BE COORDINATED WITH ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
3. DEVELOPER WILL PROVIDE STREET SIGNS PER CHILDS/ 00.05 (9" SIGNS ONLY)
4. RIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.
5. ALL ROLLING AND / OR TOPPING / PRESTYPING OF THE STONE BASE, AND/OR APPLICATION OF A "SEAL COAT" MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR AND BASED ON FIELD CONDITIONS.
6. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
7. IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.5% SLOPE ON THE CURB.
8. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
9. CURB AND GUTTER SHOWN ON PLANS ALONG KEETER DRIVE MAY BE ADJUSTED BASED UPON FIELD STAKING BY CITY ENGINEERING. ASSOCIATED STORM DRAINAGE MAY ALSO REQUIRE MODIFICATION BASED UPON FIELD CONDITIONS.
10. THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE AND ANY STRUCTURES AND/OR OBSTRUCTION TO STORM WATER FLOW IS PROHIBITED.
11. HIGH-DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPE INSTALLED WITHIN EXISTING OR PROPOSED PUBLIC STREET RIGHT-OF-WAY MUST BE APPROVED BY THE CITY'S INSPECTOR PRIOR TO ANY BACKFILL BEING PLACED. BACKFILL MATERIAL MUST BE APPROVED BY THE CITY INSPECTOR PRIOR TO PLACEMENT OF THE MATERIAL WITHIN THE PUBLIC STREET RIGHT-OF-WAY.
12. THE DEVELOPER SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN AN UNOBSTRUCTED STATE AND SHALL REMOVE FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TIMBER, JUNK AND OTHER ACCUMULATIONS.
13. PE SEALED SHOP DRAWINGS FOR RETAINING WALL MUST BE SUBMITTED TO CITY ENGINEER PRIOR TO CONSTRUCTION.
14. "AS-BUILT" DRAWINGS AND PLANS OF THE STORM DRAINAGE SYSTEM, INCLUDING DESIGNED DETAILS, SHALL BE SUBMITTED PRIOR TO RELEASE FOR FINAL INSPECTION TO THE CITY/COUNTY ENGINEERING DEPARTMENT IN ACCORDANCE WITH THE CITY/COUNTY SUBDIVISION ORDINANCE.
15. PRIOR TO INSTALLATION, PE SEALED SHOP DRAWINGS FOR UNDERGROUND DETENTION SYSTEMS MUST BE FURNISHED TO CITY OF CHARLOTTE ENGINEERS FOR APPROVAL.
16. PRIOR TO CO, SURVEYOR SEALED AS-BUILT DRAWINGS OF UNDERGROUND DETENTION SYSTEMS MUST BE PROVIDED.
17. NON-STANDARD ITEMS (E.G. PAVERS, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE (CHARLOTTE DEPARTMENT OF TRANSPORTATION/NORTH CAROLINA DEPARTMENT OF TRANSPORTATION) BEFORE INSTALLATION.

STORM DRAINAGE NOTES:

1. REINFORCED CONCRETE PIPE, CLASS III. CMP PIPE SHALL BE COATED PER NCDOT STDS.
2. DRAINAGE STRUCTURES SHALL BE PRE-CAST CONCRETE OR BRICK STRUCTURES PER NCDOT STANDARDS.
3. MINIMUM COVER FOR ALL PIPE IS (2) FEET
4. ALL GRATE AND FRAMES SHALL BE PER NCDOT STDS.
5. ALL TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 100% PERCENT PROCTOR UNDER PAVEMENT AND 90% PROCTOR OUTSIDE PAVEMENT.
6. GRATES FOR ALL CATCH BASINS & DROP INLETS SHALL BE CONCAVED WITH MINIMUM OPENING WIDTH OF 2'

TOP SOIL DISPOSAL NOTE:

ALL TOP SOIL AND UNSUITABLE MATERIALS SHALL BE REMOVED AND PLACED AT THE FOLLOWING LOCATIONS.
1. BERM AT THE REAR OF BUILDING
2. BACKFILL OF CURB AND LAWN AREAS
3. OTHER AREAS WITH PRIOR APPROVAL OF OWNER/ DEVELOPER

STORM DRAINAGE STRUCTURES DATA

STR. NO.	RIM ELEVATION	INV. IN	INV. OUT	REMARKS
CB#1	CB#1	CB#1	CB#1	
CB#2	CB#2	CB#2	CB#2	
DI#1	DI#1	DI#1	DI#1	
CB#3	CB#3	CB#3	CB#3	
FES#1	FES#1	FES#1	FES#1	

STORM DRAINAGE AREAS:

STORM WATER RECYCLING SYSTEM	39,000 SF
STORM WATER BASIN	31,000 SF

MANSOUR EDLIN CONSULTING
1515 MOCKINGBIRD LANE
SUITE 802 Charlotte, N. C. 28209
Phone 704/672-1560
Fax 704/672-1562

PROJECT NUMBER
DESIGN By
APPROVED By
DRAWN By
Date
DIGITAL FILE

5	
4	
3	
2	
1	ISSUE
6	
5	
4	
3	
2	
	REVISION

OWNER
MACLEOD CONSTRUCTION
P.O. BOX 864
DENVER, NC 28037
PHONE#: 704-483-3670

DEVELOPER
MACLEOD CONSTRUCTION
P.O. BOX 864
DENVER, NC 28037
PHONE#: 704-483-3670

PROJECT
MACLEOD CONCRETE PLANT
4217 KEETER DRIVE
CHARLOTTE, NC
TAX PARCEL #'s: 05536943 05536956

GRADING & DRAINAGE PLAN

E1

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 6392 B Permit #: _____ Tax Parcel #: 055-369-43

Property Owner: MACLEOD CONSTRUCTION

Job Location Address: 4217 KEETER DR.

City: CHARLOTTE State: NC Zip Code: 28214

Operation Permit Issuance Date: 4/12/07 Contractor Name: MACLEOD

Permitted Design Flow: 100 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Effluent Pump Model: MYERS (½hp)

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 150 feet

# of Lines: 3 @ 50 feet

Depth of Media: 12 inches (Type) INNOVATIVE

Depth of Cover: 12 inches

Distribution Device: PRESSURE MANIFOLD

Bed Installation *(For Repair Installations ONLY.)* ☑ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ *inches (Type)* _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☑ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: 5 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: 10 feet

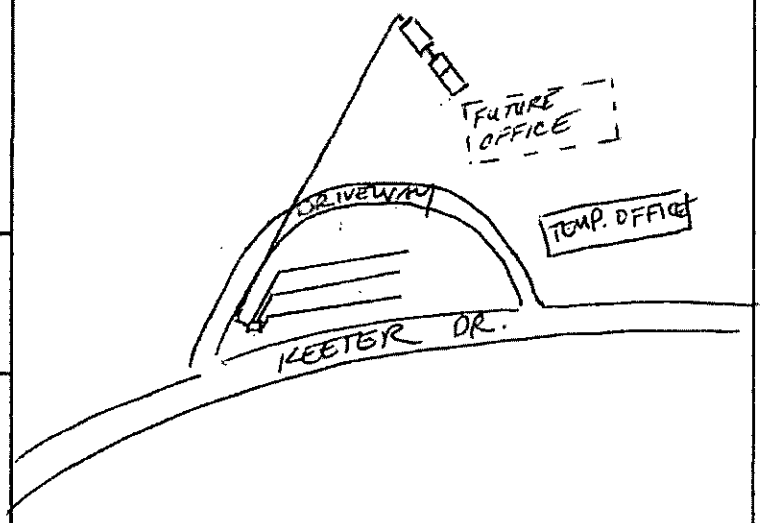
Inspection Dates

Tank(s) Inspected: 12/14/06

Excavation Inspected: 1/12/07

Pump & Controls Inspected: 4/12/07

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☑ installed ☐ altered ☐ repaired ☑ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this 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 15A NCAC 18A. 1900 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 or Revocation of this permit.

Comments: System Classification & Type: IIIb PUMP 25% REDUCTION / QUICK 4 CHAMBER / 1500 gal ST / 1000 gal PT / SYSTEM TO BE INSPECTED BY COUNTY EVERY 5 YRS.

DENR Authorized Agent: Chris Sherrill, RS, LSS Signature: _____

PROPOSED PLOT PLAN

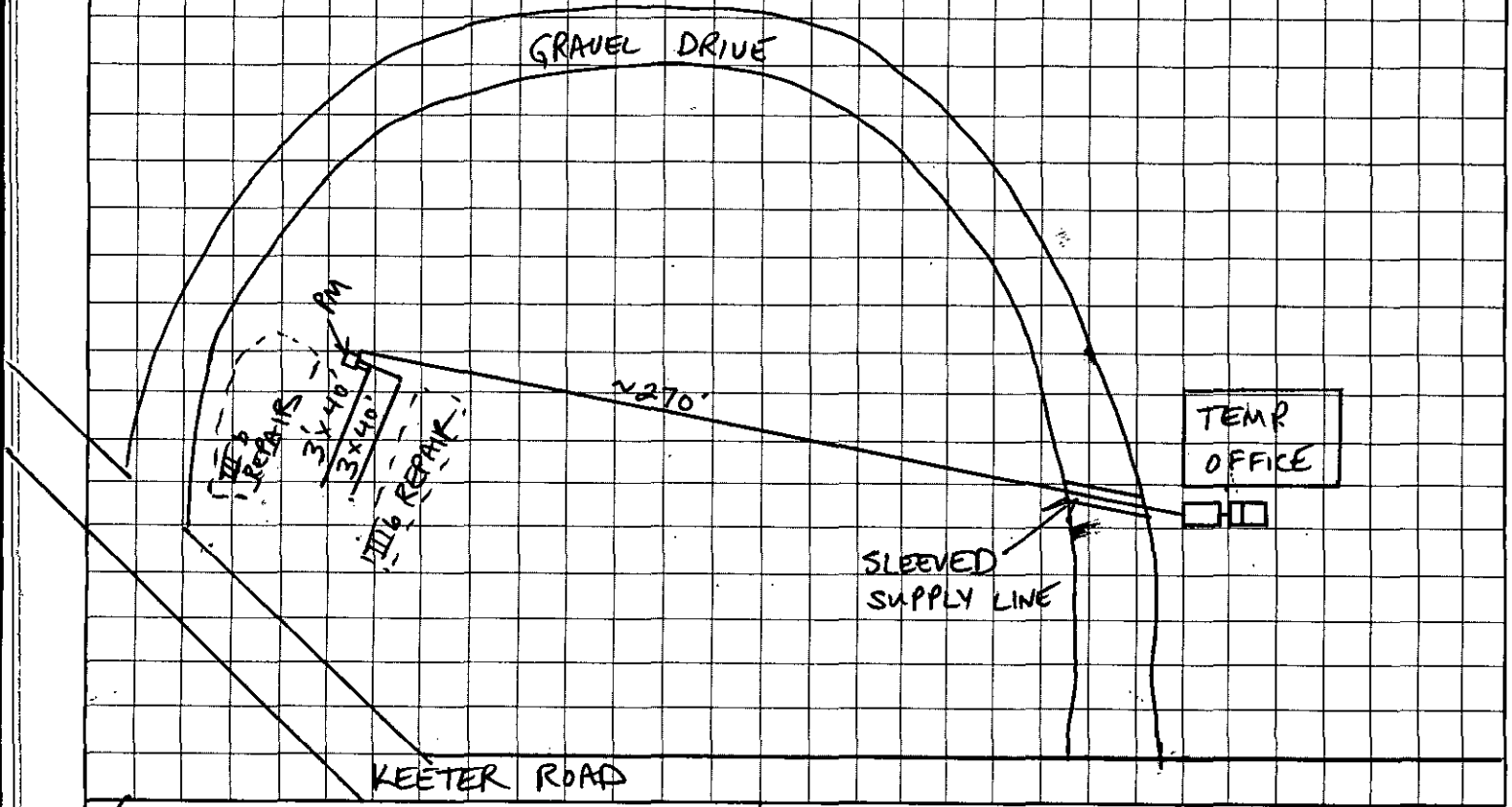
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5103

FILE: 6392 B

TC: 055-369-43

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"=60'
- 100 GPD
- 1500 GAL ST
- 1000 GAL PT
- 0.3 GPD/FT² LTAR
- TYPE III b 25% REDUCTION, PUMP
- SLEEVE SUPPLY LINE AT GRAVEL DRIVEWAY, OR INSTALL >30" DEEP.



Angela Warner
OWNER/AGENT SIGNATURE

DATE 9-19-06

APPROVAL DATE 9/19/06

Christopher M Brevik, RS, LSS

White - Health Department's Copy

Canary - E.H.S. Copy

Pink - Owner's Copy

Mecklenburg County
Land Use & Environmental Service Agency
Groundwater & Wastewater Services
700 N. Tryon St., Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

File # 6392B
Date_____

PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence, or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.

Owner/Agent Signature Donna P. Turnbull

Date 12/11/07

LBC 12/15/04

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

INSTALLATION APPROVAL for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 6392B Permit #: _____ Tax Parcel #: 055-369-43

Property Owner: R+L INVESTMENTS

Job Location Address: 4217 KEETER DR.

City: CHARLOTTE State: NC Zip Code: ~~28205~~ 28214

Installation Approval Issuance Date: 12/7/06

Permission is hereby given to ☑ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application information submitted to our office. All work shall be completed on or before 1/8/07, after which date this approval 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 granting this approval. 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 of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

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

Permitted Design Flow: 75 GPD Site LTAR: 0.3 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons Liquid Capacity of Dosing Tank: 1000 gallons

Drainfield Design ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 300 feet

# of Lines: 6 @ 50 feet

Depth of Media: 12 inches (Type) INNOVATIVE

Distribution Device: PRESSURE MANIFOLD

Bed Design *(For Repair Installations ONLY.)* ☑ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Distribution Device: _____

Water Supply Source

☑ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

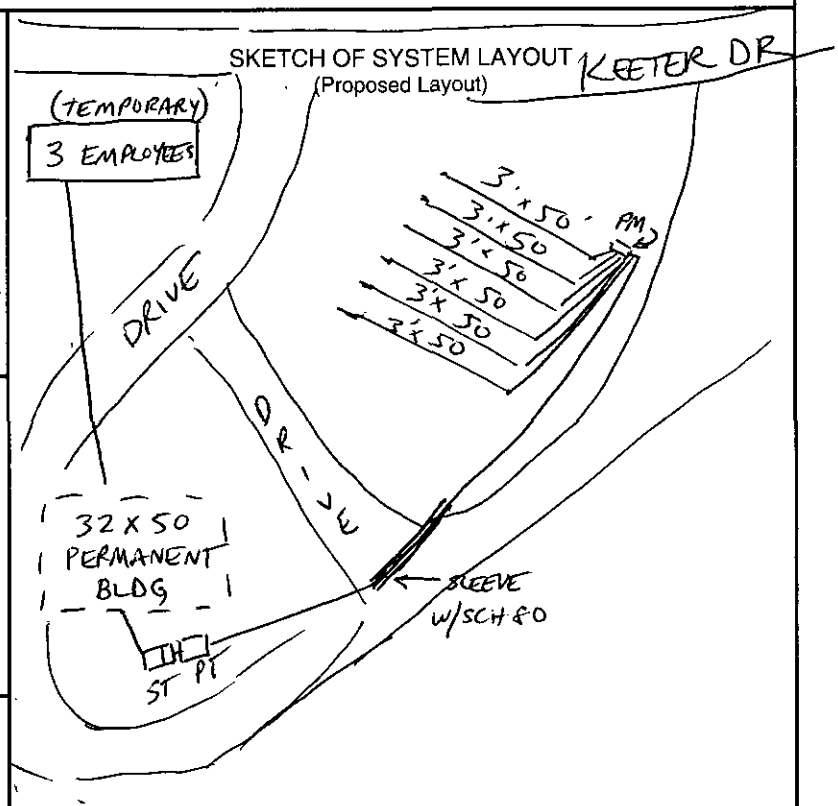
Minimum System Setbacks

Distance from Building Foundation: 5 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: 10 feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)



Comments: System Classification & Type: TYPE III b PUMP 25% REDUCTION

*NOTE: TEMP BLDG WILL BE REMOVED WHEN 32'x50 COMPLETED.

DENR Authorized Agent: Chris Sherrill, RS, LSS Signature: Chris M Sherrill

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	12/11/07	**Amount:**	100.00
Receipt #:	54058	**Tendered:**	0.00
Check / Auth #:	MC 633686	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #: 200000
Contractor: MACLEOD CONSTRUCTION INC.
Attn: DAVID TURNBULL
Address: PO BOX 320
Address:
City/State/Zip: DENVER, NC 28037

Item	Description	Permit#	Quantity	Unit Price	Total Price
0705	MH Exc/Add/Repl w/o System Mod 4217 KEETER DR/FILE 6392B		1	100.00	100.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a COMMERCIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30000536** GWS File #: **6392B** Tax Parcel #: **055-369-43**

- This 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.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 6/13/2011

Intallation Type: Commercail/Industrial - New System Business Type: Industrial

Facility Size (ft^2): 3000 # Employees/Shift: 3 # Shifts: 1

Wastewater Type: Sewage Water Supply: Municipal

II. Initial System Type: Pump to Innovative or Experimental **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd):	100	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	250	Total Trench Length (ft):	83
Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

III. Repair System Type: Pump to Innovative or Experimental **System Classification:** IIIb

Repair System Specifications:

Design Flow (gpd):	100	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	250	Total Trench Length (ft):	83
Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Chris Sherrill Owner/Legal Agent: Angela Warner
Print Name

Signature: Chris Sherrill Signature: Angela Warner

Date Issued: ~~6/13/2006~~ 9/15/06

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a COMMERCIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30000536** GWS File #: **6392B**

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- All drainage improvements (swales, interceptor drains, etc.) noted on the plot plan must be inspected and approved prior to issuance of an Operation Permit.
- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Chris Sherrill
Signature: Christopher M Sherrill
Date Issued: ~~6/13/2006~~ 9/15/06

Owner/Legal Agent: Angela Warner
Print Name
Signature: Angela R Warner