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 #: 8969B Permit #: 6892 Tax Parcel #: 031 022 08

Property Owner: Barry & Betty Killman

Job Location Address: 7406 Kenstead cr

City: Charlotte State: NC Zip Code: 28214

**Operation Permit Issuance Date:** 7/29/14 Contractor Name: Gary Bradley

Permitted Design Flow: 300 GPD

Liquid Capacity of Septic Tank: 1000 gallons

Liquid Capacity of Dosing Tank: NA gallons

Effluent Pump Model: NA

Drainfield Installation ☐ N/A

Trench Depth: 36 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 250 feet

# of Lines: 2 @ 125' feet

Depth of Media: 12 inches (Type) Chambers

Depth of Cover: 24 inches

Distribution Device: drop box

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

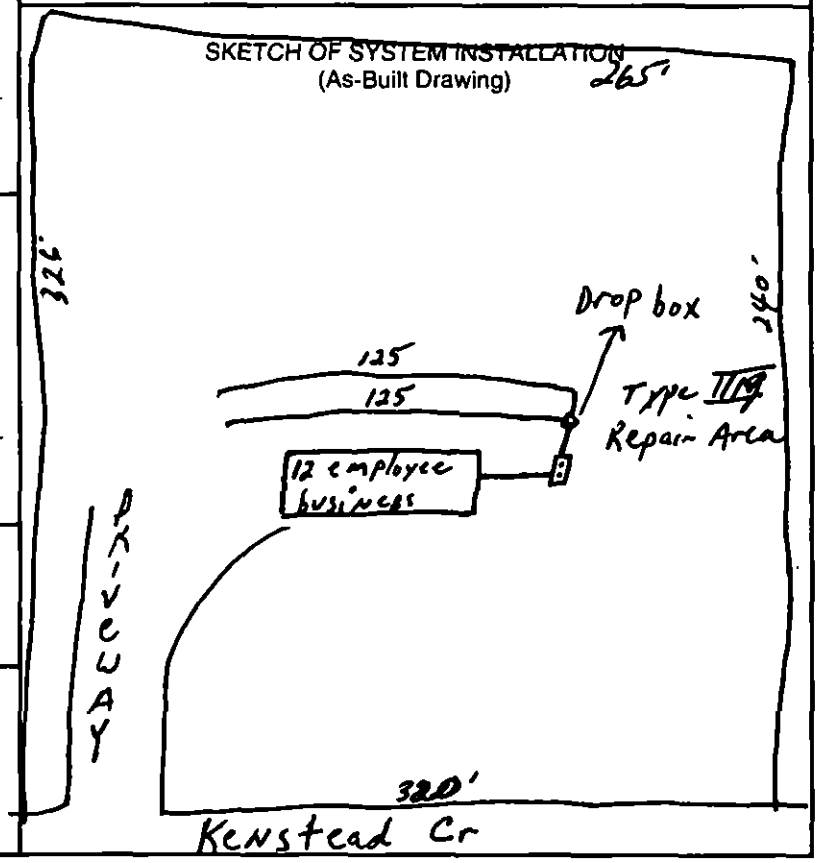
Inspection Dates

Tank(s) Inspected: 7/29/14

Excavation Inspected: 7/29/14

Pump & Controls Inspected: NA

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: Type IIIg, Gravity Chamber IQ4, G, NA, NA

DENR Authorized Agent: Philo Walker Signature: Philo Walker REHS

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 #: 8969B Permit #: 6892 Tax Parcel #: 031 022 08

Property Owner: Barry & Betty Killman

Job Location Address: _____

City: Charlotte State: NC Zip Code: 28214

**OPERATION PERMIT CONDITIONS:**

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: IIIg

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☒

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☒ System does not require inspection by GWS on a routine frequency.

☐ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other: Gravity chambers

DENR Authorized Agent: Philo Walker Date: 7/29/14

Signature: Philo Walker REHS

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 #: 8969B Permit #: 6892 Tax Parcel #: 031 022 08

Property Owner: Barry & Betty Killman

Job Location Address: 7406 Kenstead Dr

City: Charlotte State: NC Zip Code: 28214

**Installation Approval Issuance Date:** 7/25/14

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 8/25/14, 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: 300 GPD Site LTAR: 0.3 GPD/ft² (For new installations only.)

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

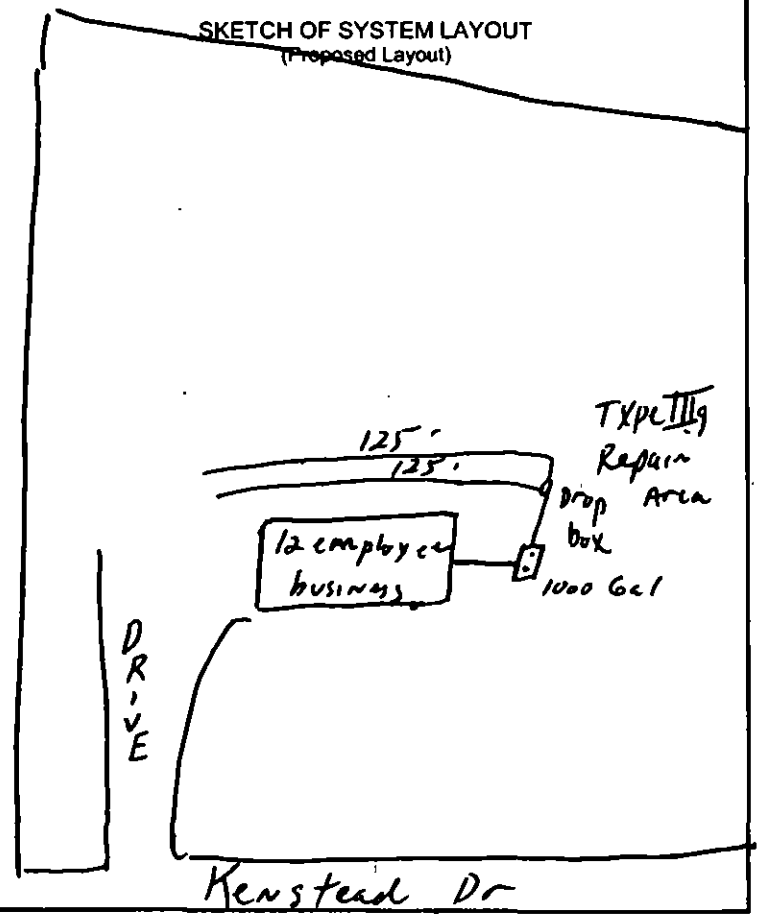
Drainfield Design ☐ N/A
Trench Depth: 36 inches
Trench Width: 3 feet
Line Spacing: 9 feet (O.C.)
Total line length: 250 feet
# of Lines: 2 @ 125 feet
Depth of Media: 12 inches (Type) 25% Reduction
Distribution Device: Drop box

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 IIIg, 1000 Gal septic tank, Install Drop box, 2 lines @ 125' long @ 3' Wd.

DENR Authorized Agent: Philo Walker Signature: Philo Walker REHS

TANKTOWN TRUCK AND TRAILER REPAIR, INC
P.O. BOX 66
PAW CREEK NC 28130
PHONE (704) 399-5086 FAX (704) 399-5088

FAX COVER SHEET

TO: Phelo Walker FROM: Barry Kellman Tank town Truck Repair

FAX: DATE: 7/9/2014

ATT: PAGES:

RE: CC:

Urgent For Review Please Comment Please Reply Please Recycle

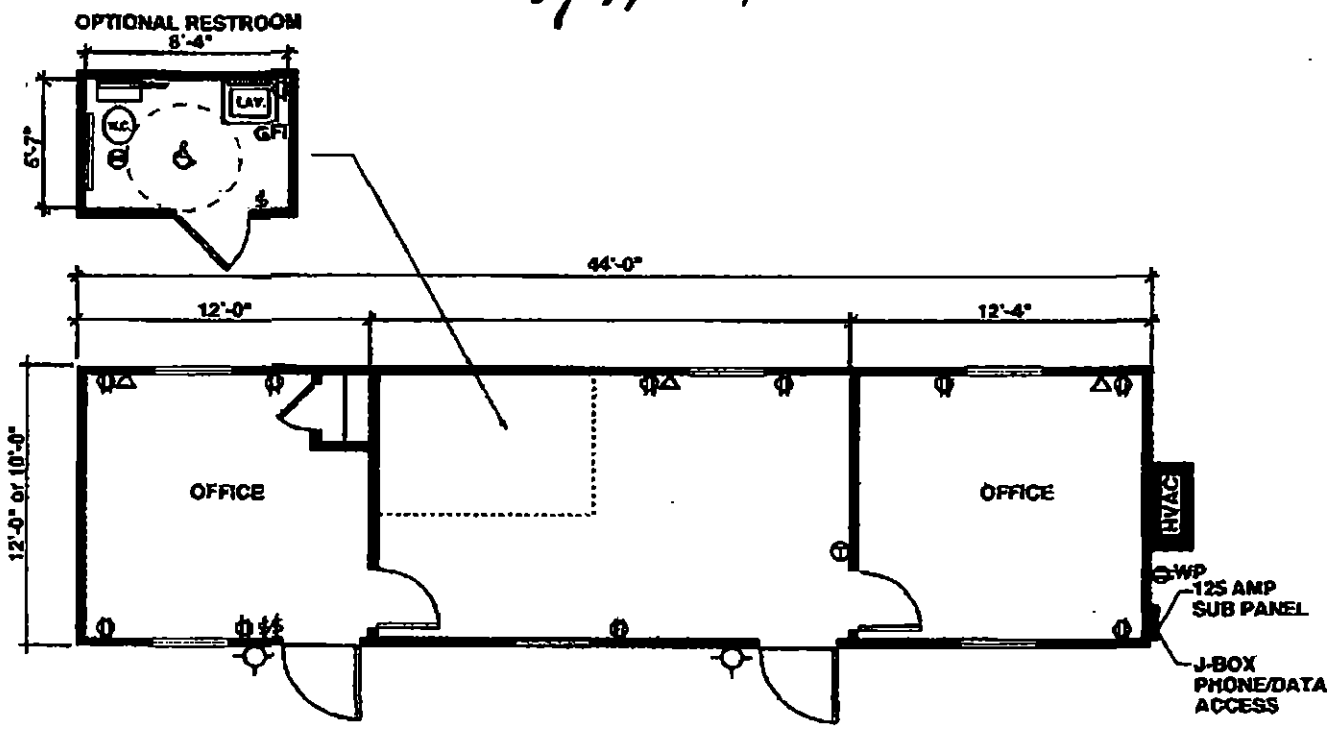
Comments: Floor plans for office trailer

07/09/2014 19:02 7043995088 TANK TOWN TRUCK REP PAGE 01

Tanktown Truck Repair

7/9/2014








07/09/2014 19:02 7043995088 TANK TOWN TRUCK REP PAGE 02

SPACE MASTER
MANUFACTURING
12'x40' EXPANDED STOCK
FLOOR, ELECTRICAL & HVAC PLAN
ELEVATION
ELEVATION
ELEVATION
ELEVATION
FLOOR, ELECTRICAL & HVAC PLAN
ELECTRICAL SCHEDULE
ELECTRICAL PANEL BDING
NRINC

8969B

**MECKLENBURG COUNTY**
**HEALTH DEPARTMENT**

App # 6892

**APPLICATION FOR A COMMERCIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL**

1. **SEPTIC / TYPE APPLICATION:** ○ N/A ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. **WELL / TYPE APPLICATION:** ◉ N/A ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. **JOB LOCATION INFORMATION:**
TAX PARCEL NUMBER: 03102208
STREET ADDRESS: 7406 Kenstead Cr
CITY: CHARLOTTE,
STATE: NC ZIP: 28214
TOWNSHIP:
○ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ◉ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. **BUILDING INFORMATION:**
DESCRIBE TYPE OF BUSINESS: Truck Repair
○ COMMERCIAL ○ INDUSTRIAL I2
SQUARE FOOTAGE OF FACILITY: _____
NUMBER OF EMPLOYEES PER SHIFT: _____
NUMBER OF SHIFTS: _____ NUMBER OF SEATS: _____
TYPE OF WASTEWATER GENERATED:
◉ DOMESTIC SEWAGE ○ INDUSTRIAL WASTEWATER
○ OTHER _____

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

6. **WATER SUPPLY:** ◉ MUNICIPAL ○ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER _____

7. **PROPOSED USE OF WELL:** ☒ N/A ○ IRRIGATION ○ POTABLE (DRINKING WATER) ○ OTHER _____

8. **PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE** *(1-MOST DESIRED 5-LEAST DESIRED)*:
☐ N/A ☒ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. **RANK:** ____ ____ ____ ____ ____

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 (SEPTIC) 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 |
| CHEMICAL/PETROLEUM STORAGE TANKS | ○ YES ◉ NO | KNOWN UNDERGROUND CONTAMINATION | ○ YES ◉ NO |
| WASTE STORAGE | ○ YES ◉ NO | GROUNDWATER USE RESTRICTIONS/VARIANCES | ○ YES ◉ NO |

10. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** _____ ☑ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** _____ ☐ N/A

12. **PROPERTY OWNER:**
NAME: Barry & Betty Killman
ADDRESS: 260 Lee Dr
CITY: Charlotte
STATE: NC ZIP: 28214
WORK PHONE: 704 399 5086
MOBILE PHONE: 704 408-5855
FAX: 704-399-5088
E-MAIL: tarheelwrecker@gmail.com

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**
NAME: _____
ADDRESS: _____
CITY: _____
STATE: ____ ZIP: _____
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____



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

Revised on: 12/15/10

06/18/2014 10:57 7043995088 TANK TOWN TRUCK REP PAGE 01

**14. SEPTIC SYSTEM PERMIT APPLICATION:**

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 sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months. complete plat = non-expiring.

BBK *(initial here for septic system applications)*

**15. WELL PERMIT APPLICATION:**

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 twelve (12) months from the date of issuance.

_____ (initial here for well applications)

**16. APPLICATION SIGNATURE SECTION:**

**ONLY COMPLETE APPLICATIONS WILL BE PROCESSED.** A proper signature is required in order to process your application. Please review the *application carefully and sign in the space provided below.* A PROPOSED PLOT PLAN *is required to be submitted with each application.*

Betty Kullman — Property Owner's or Owner's Legal Representative Signature

6-18-14 — Date

---

*OFFICE USE ONLY*

○ SURVEY PLAT TO SCALE SUBMITTED ○ SCALED SITE PLAN SUBMITTED ○ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ 450 DATE FEE RECEIVED: 6/18/14

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: Dwr

GWS FILE NUMBER ASSIGNED: 8969B

APPLICATION ID NUMBER ASSIGNED: 689a

COMMENTS:



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

Revised on: 12/15/10

06/18/2014 10:57 7043995088 TANK TOWN TRUCK REP PAGE 02

FEE: 200.00
DATE:7/18/2014

**MECKLENBURG COUNTY**
**GROUNDWATER & WASTEWATER SERVICES**

**FILE NUMBER:** 8969B

**PERMIT NUMBER:** 30006892

**PARCEL NUMBER:** 03102208

**JOB LOCATION INFORMATION**

**ADDRESS:** 7406 KENSTEAD CIR

**CITY:** CHARLOTTE **STATE: NC** **ZIP:** 28214

**ISSUED TO:** Barry & Betty Killman

**CONSTRUCTION AUTHORIZATION ISSUANCE DATE:** 7/11/2014

## CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30006892, 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 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 THE 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 CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 7/11/2019

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 #: 30006892 GWS File #: 8969B Tax Parcel #: 031-022-08

- 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):** 7/11/2019

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

Facility Size ($ft^2$): 0 # Employees/Shift: 12 # Shifts: 1

Wastewater Type: Sewage Water Supply: Municipal

**II. Initial System Type:** Accepted **System Classification:** IIIg

Initial System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 300 | LTAR (gpd/$ft^2$): | 0.3 | Septic Tank Size (gal): | 1000 | Pump Tank Size (gal): | N/A |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 750 | Total Trench Length (ft): | 250 |
| Maximum Trench Depth (in): | 30 | Depth of Media (in): | 12 | Distribution Device: | Drop Boxes | | |

**III. Repair System Type:** Approved **System Classification:** IIIg

Repair System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 300 | LTAR (gpd/$ft^2$): | 0.3 | Septic Tank Size (gal): | 1000 | Pump Tank Size (gal): | N/A |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 750 | Total Trench Length (ft): | 250 |
| Maximum Trench Depth (in): | 30 | Depth of Media (in): | 12 | Distribution Device: | Drop Boxes | | |

**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: Philo Walker Owner/Legal Agent: BARRY K. ILLMAN (Print Name)

Signature: Philo Walker REHS Signature: Barry Kellman

Date Issued: 7/11/2014





07/16/2014 12:26 7043995088 TANK TOWN TRUCK REP PAGE 01

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St. Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-8894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30006892 GWS File #: 89698

**IV. Permit Conditions/Comments:**

- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 10 feet from any foundation drain.

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: Philo Walker

Signature: Philo Walker REHS

Date Issued: 7/11/2014

Owner/Legal Agent: BARRY KILLMAN
Print Name

Signature: Barry Killman





07/16/2014 12:26 7043995088 TANK TOWN TRUCK REP PAGE 02

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 #: **30006892** GWS File #: **8969B** Tax Parcel #: **031-022-08**

- 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):** 7/11/2019

Installation Type: Commercail/Industrial - New System Business Type: Commercial

Facility Size ($ft^2$): 0 # Employees/Shift: 12 # Shifts: 1

Wastewater Type: Sewage Water Supply: Municipal

**II. Initial System Type:** Accepted **System Classification:** IIIg

Initial System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 300 | LTAR ($gpd/ft^2$): | 0.3 | Septic Tank Size (gal): | 1000 | Pump Tank Size (gal): | N/A |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 750 | Total Trench Length (ft): | 250 |
| Maximum Trench Depth (in): | 30 | Depth of Media (in): | 12 | Distribution Device: | Drop Boxes | | |

**III. Repair System Type:** Approved **System Classification:** IIIg

Repair System Specifications:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Design Flow (gpd): | 300 | LTAR ($gpd/ft^2$): | 0.3 | Septic Tank Size (gal): | 1000 | Pump Tank Size (gal): | N/A |
| Trench Width (ft): | 3 | Trench Spacing (ft): | 9 | Absorption Area ($ft^2$): | 750 | Total Trench Length (ft): | 250 |
| Maximum Trench Depth (in): | 30 | Depth of Media (in): | 12 | Distribution Device: | Drop Boxes | | |

**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: Philo Walker Owner/Legal Agent: _____
Print Name

Signature: Philo Walker 7/11/14 Signature: _____

Date Issued: 7/11/2014

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 #: **30006892** GWS File #: **8969B**

**IV. Permit Conditions/Comments:**

- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 10 feet from any foundation drain.

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: Philo Walker

Signature: Philo Walker REHS

Date Issued: 7/11/2014

Owner/Legal Agent: _____
Print Name

Signature: _____

COMMENTS Scale 1"=60'

Septic System Design for 12 employee Business LTAR 0.3 300GPD

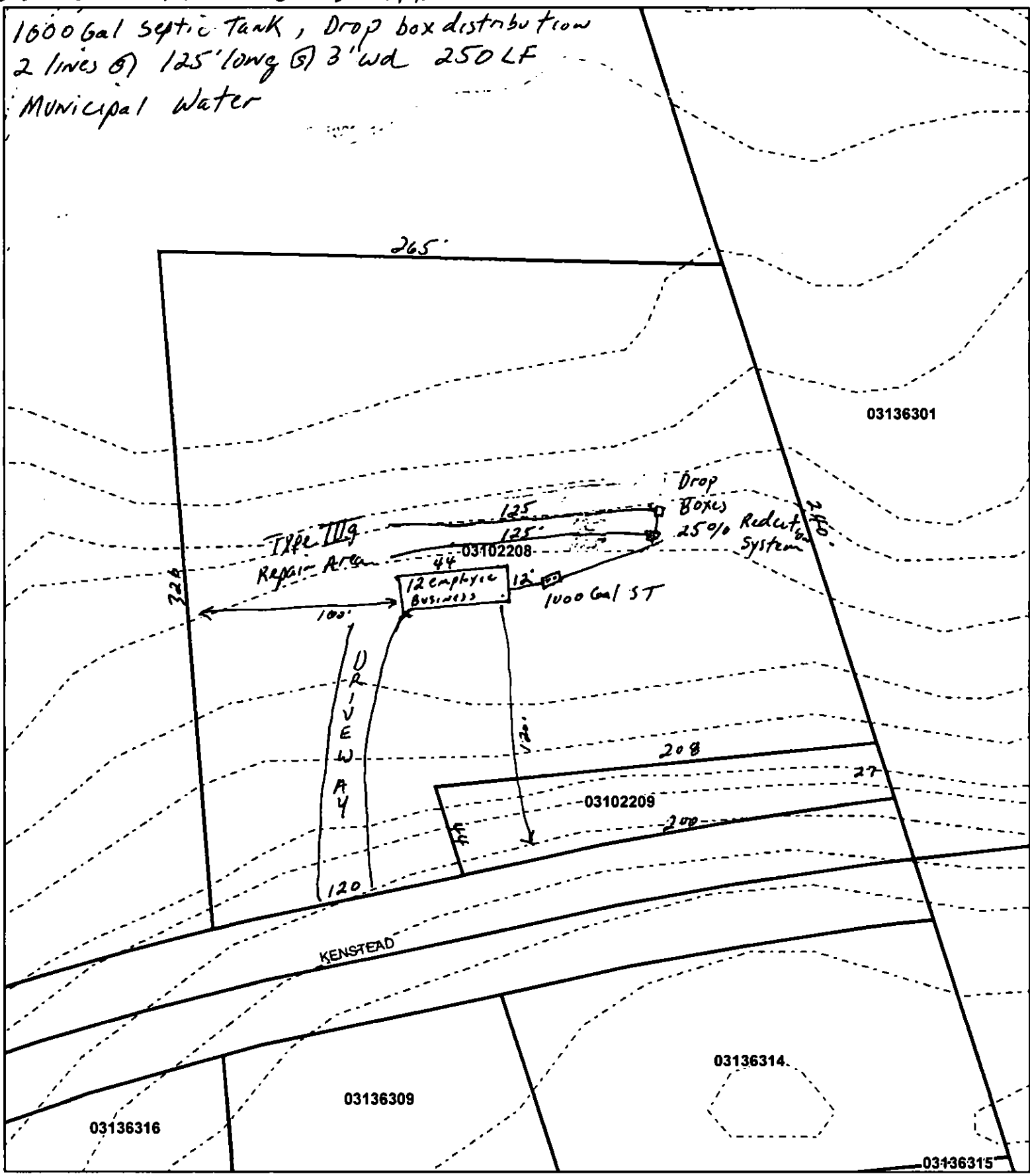
1000 Gal Septic Tank, Drop box distribution 2 lines @ 125' long @ 3' wd 250 LF

Municipal Water

**Parcel # 031-022-08**

**File # 8969B**

**AppID: 6892**




Map Created By:

Map Created On:

0 30 60 Feet

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

Sheet: 1 of 2
Property ID: 031-022-08
Lot #: NA
File #: 8969B
AppID: 6892

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Property Owner: Barry & Betty Killman
Address: 200 Lee Dr., Charlotte, NC 28214
Proposed Facility: Truck Repair Office
Design Flow (.1949): 100 GPD
Location of Site: Kinstead Cr, Charlotte, NC 28214
Water Supply: [X] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: owner
Date Evaluated: 7/3/2014
Property Size: 1.84 ac
Property Recorded: Unknown

| PROFILE # | .1940 Landscape Position/ Slope% | Horizon Depth (IN.) | SOIL MORPHOLOGY .1941 .1941 Structure/ Texture | .1941 Consistence Mineralogy | b PROFILE FACTORS .1942 Soil Wetness/ Color | .1943 Soil Depth (IN.) | .1956 Sapro Class | .1944 Restr Horiz | General Comments | Profile Class & LTAR | Maximum Trench Bottom Depth for 3' Wide Conventional Trench |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Boring #1 | LS 20% | 0 - 28 | mfsbk C | FR SEXP | >55" | 55 | NA | NA | | PS IV 0.3 | 36" |
| | | 28 - 55 | mfsbk CL | FR EXP | | | | | | | |
| Boring #2 | LS 20% | 0 - 30 | mfsbk C | FR SEXP | >55" | 55 | NA | NA | | PS IV 0.3 | 30" |
| | | 30 - 55 | mfsbk CL | FR EXP | | | | | | | |
| Boring #3 | LS 2% | 0 - 49 | mfsbk CL | FR SEXP | >49" | 49 | NA | NA | saprolite inclusions 36 - 49" | PS IV 0.35 | 36" |
| Boring #4 | LS 2% | 0 - 38 | mfsbk CL | FR SEXP | >18" | 18 | NA | NA | saprolite inclusions 38 - 49" | PS IV 0.35 | 36" |
| | | 38 - 49 | wfsbk L | FR EXP | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | IIIb | IIIb |
| Site LTAR (gpd/sq ft) | 0.3 | 0.3 |

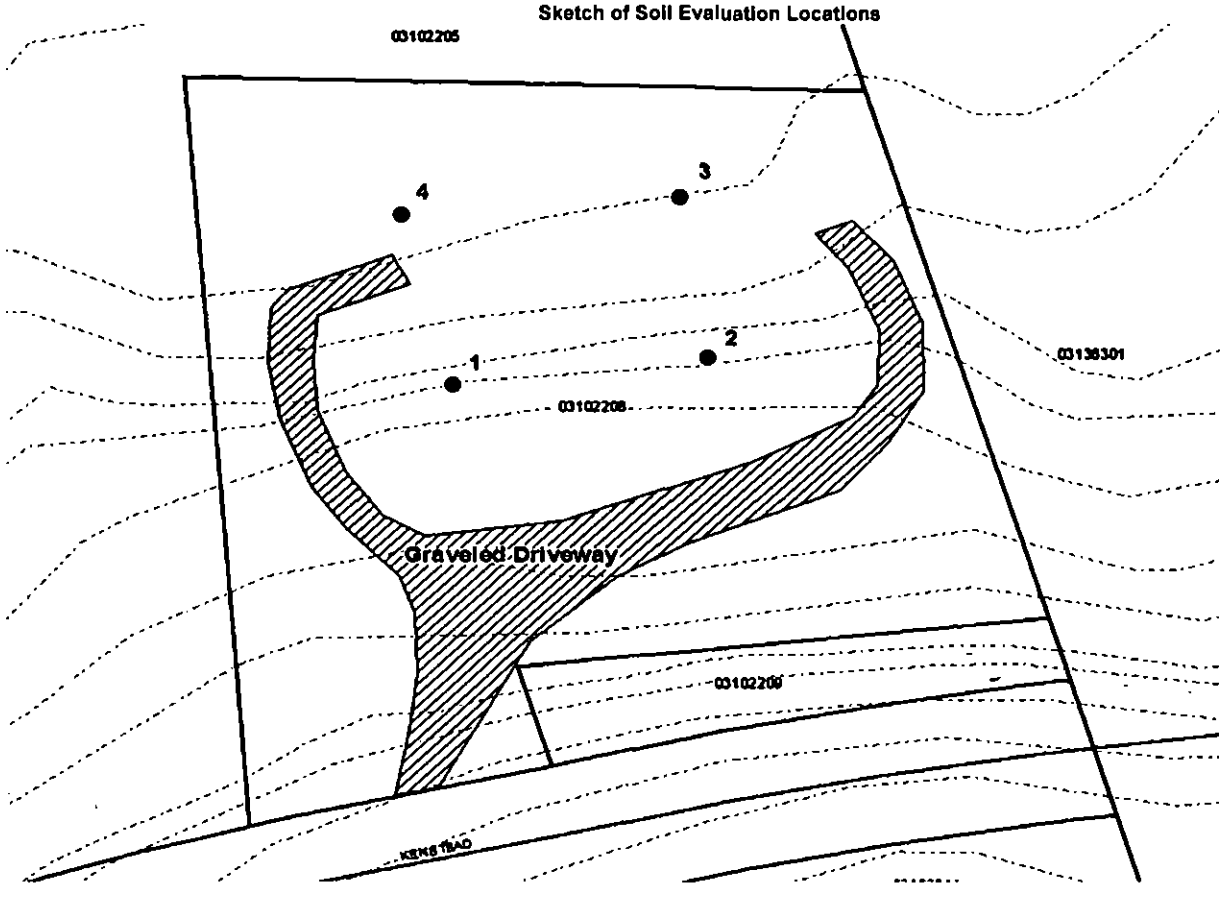
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, REHSI, LSS
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Phil Walker
Others Present: Barry & Betty Killman

**COMMENTS:**

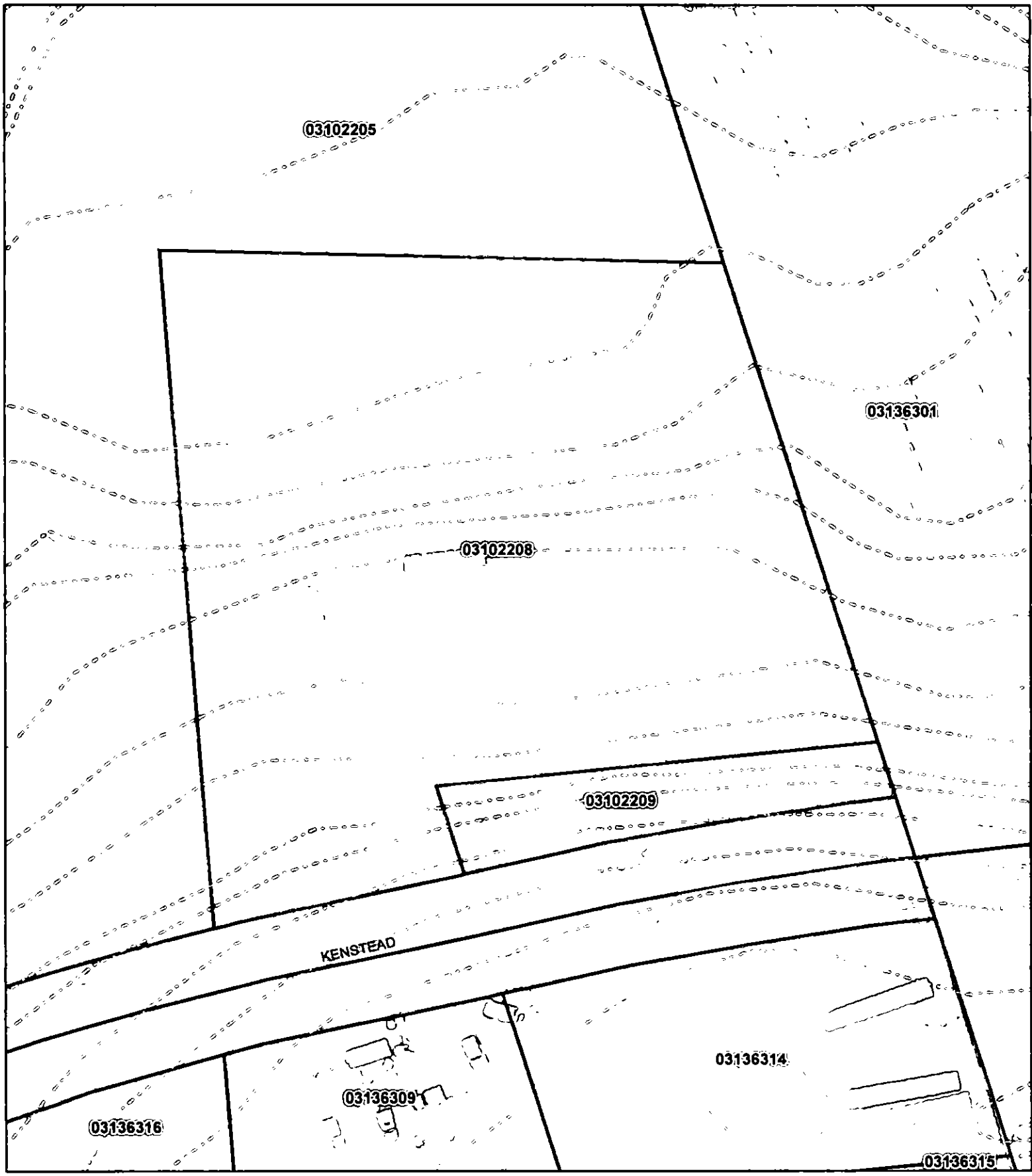
| Landscape Position | Group | Texture | .1955 LTAR | Structure |
|---|---|---|---|---|
| R-Ridge | I | S-Sand | 1.2 - 0.8 | sg-Single Grain |
| SS-Shoulder Slope | | LS-Loamy Sand | | mass-Massive |
| LS-Linear Slope | | | | cr-Crumb |
| FS-Foot Slope | II | SL-Sandy Loam | 0.8 - 0.6 | gr-Granular |
| NS-Nose Slope | | L-Loam | | sbk-Subangular Blocky |
| HS-Head Slope | | | | abk-Angular Blocky |
| CC-Concave Slope | III | Si-Silt | 0.6 - 0.3 | pl-Platy |
| CV-Convex Slope | | SiCL-Silty Clay Loam | | pr-Prismatic |
| T-Terrace | | | | Sap-Saprolite |
| FP-Flood Plain | | CL-Clay Loam | | **Structure Prefixes** |
| D-Drainage Way | | SCL-Sandy Clay Loam | | w-weak |
| | | | | m-moderate |
| | | SiL-Silt Loam | | s-strong |
| | | | | f-fine |
| | IV | SC-Sandy Clay | 0.4 - 0.1 | m-medium |
| | | SiC-Silty Clay | | c-coarse |
| | | C-Clay | | |

| Consistence Moist | Consistence Wet | Mineralogy |
|---|---|---|
| VFR-Very Friable | SS-Slightly Sticky | SEXP-Slightly Expansive |
| FR-Friable | S-Sticky | EXP-Expansive |
| FI-Firm | VS-Very Sticky | |
| VFI-Very Firm | NP-Non-Plastic | **Classification** |
| EFI-Extremely Firm | SP-Slightly Plastic | US-Unsuitable |
| | P-Plastic | PS-Provisionally Suitable |
| | VP-Very Plastic | S-Suitable |
| | | NA-Not Applicable |

**Sketch of Soil Evaluation Locations**



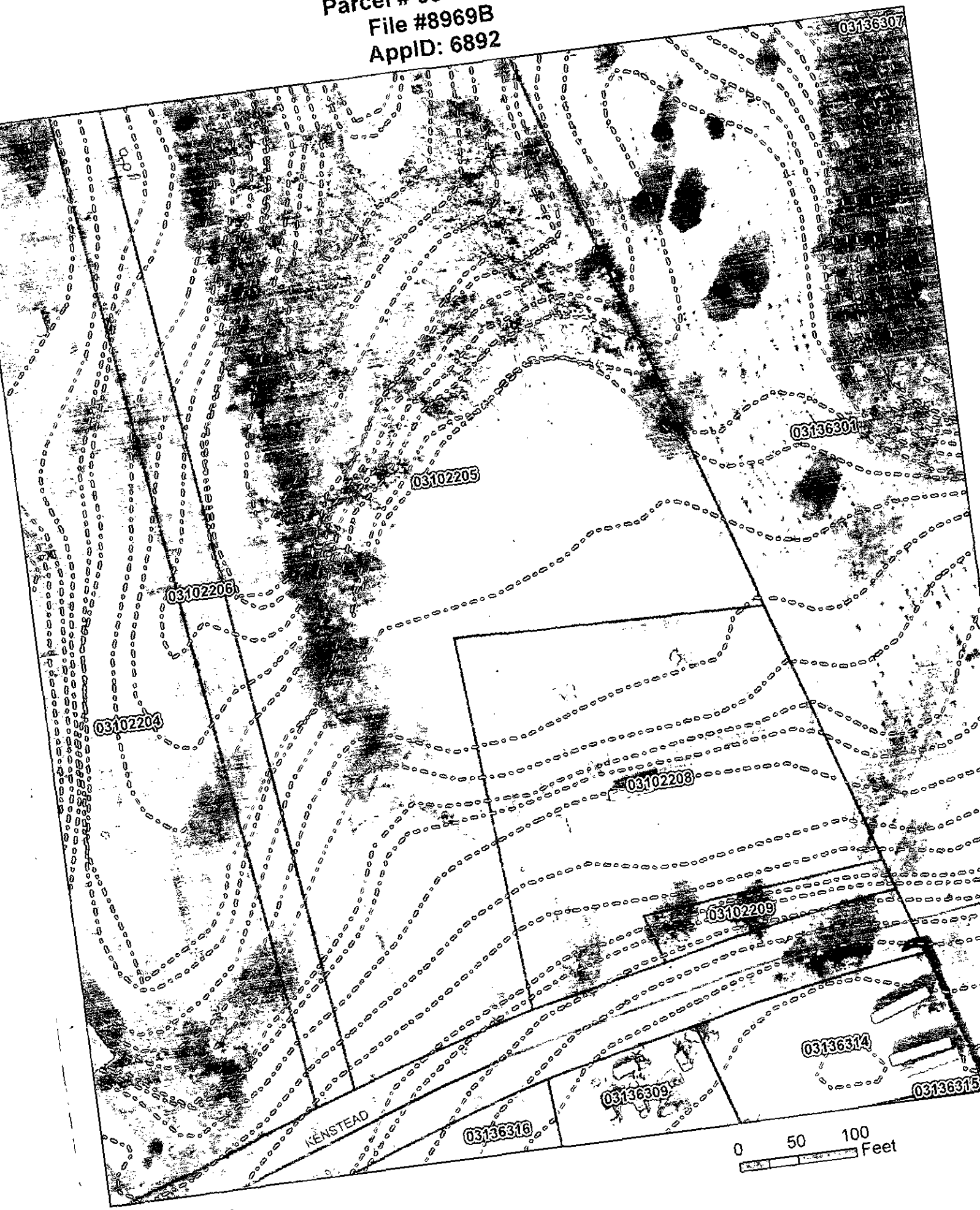
**Parcel # 031-022-08**
**File # 8969B**
**AppID: 6892**




Map Created By:
Map Created On:

0 30 60
Feet

Parcel # 031-022-08
File #8969B
AppID: 6892



Real Estate Lookup

Print Close

**Parcel Information**

| Parcel ID | Account | Parent | Previous |
|---|---|---|---|
| 03102208 | INDIVIDUAL | | |

**Owner(s)**

| Owner Name | Mailing Address | City/State |
|---|---|---|
| KILLMAN BARRY S | PO BOX 66 | PAW CREEK NC 28130 |
| KILLMAN BETTY C WIFE | PO BOX 66 | PAW CREEK NC 28130 |

**Legal Information**

| Legal | Municipality | Date Annexed | Special District | Fire District | Acreage |
|---|---|---|---|---|---|
| PT TRACT B U/M | CHARLOTTE | | | CITY OF CHARLOTTE | 1.84 |

**Total Parcel Assessment**

| Building | Land | Features | Total | Under Reval Review |
|---|---|---|---|---|

**Exemptions**

| Exemption | Year Approved | Review Date | Amount |
|---|---|---|---|

**Sales Information**

| Sale | Price | Stamps | Qualify | VI | Type | Legal Ref. | Grantor |
|---|---|---|---|---|---|---|---|
| Sep 13 2013 | | 425 | MULTIPARCEL | IMP | MULT LISTING | 28696-802 | CLAY WALLACE RENTALS |
| Jul 3 2012 | | | MULTIPARCEL | IMP | MULT LISTING | 27468-412 | WALLACE,EDDIE D |
| Nov 9 2005 | | | MULTIPARCEL | IMP | MULT LISTING | 19607-25 | WALLACE,EDDIE D |

**Land Use**

| Use | Units | Type | Neighborhood | Assessment |
|---|---|---|---|---|
| I600 | 80150.4 | SF | IN05 | |

**Building Information**

| Bldg | Description | Type | Year | Property Location |
|---|---|---|---|---|
| 1 | | | | KENSTEAD CR CHARLOTTE |

| Bldg | Story | Units | Total SqFt | Heated SqFt | Foundation | Ext. Wall | Grade | Value |
|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | |

| Bldg | Heat | Fuel | Fire Place | AC | Fixtures | Bedrooms | Full Baths | 3/4 Baths | 1/2 Baths |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | |

**Sub Area**

| Bldg | Description | Size |
|---|---|---|

**Depreciation**

| Bldg | Physical | Functional | Economic | Special | Override |
|---|---|---|---|---|---|
| 1 | | | | | |

**Special Features & Yard Items**

| Bldg | Built | Type | Quantity | Units | Value |
|---|---|---|---|---|---|

**Notes**

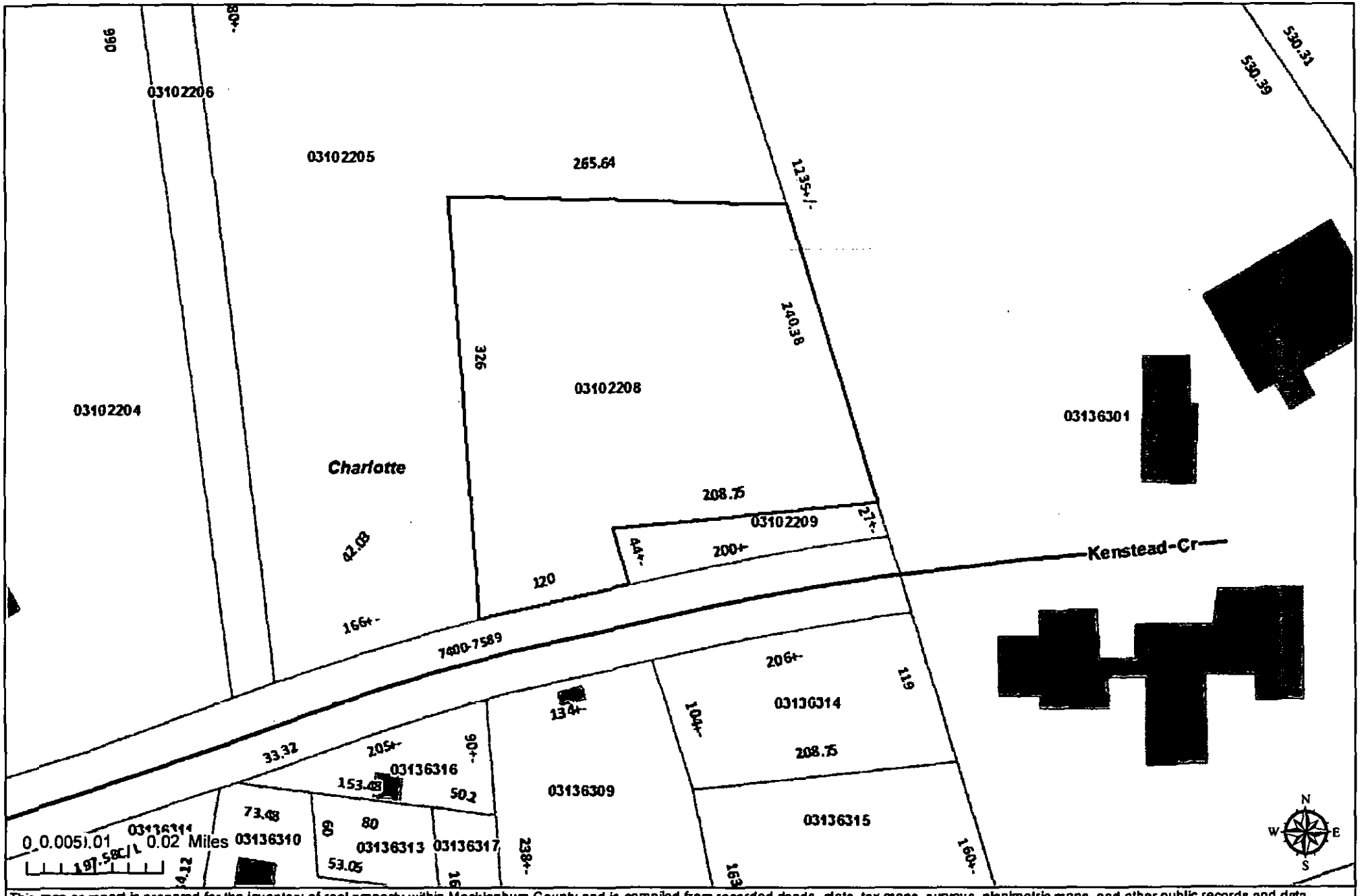
| Tax Year | Notes | Note Date |
|---|---|---|

**Value Changes**

| Notice Date | Tax Year | Reason | Changed To | Deferred |
|---|---|---|---|---|
| Mar 21 2011 | 2011 | Countywide Revaluation | 80200 | 0 |
| Apr 11 2006 | 2006 | Division of Land and/or New Parcel | 80200 | 0 |
| Apr 11 2006 | 2006 | Division of Real Estate and/or New Parce | 80200 | 0 |

# Polaris 3G Map – Mecklenburg County, North Carolina

Date Printed: 6/18/2014 11:32:21 AM




This map or report 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 or report 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.

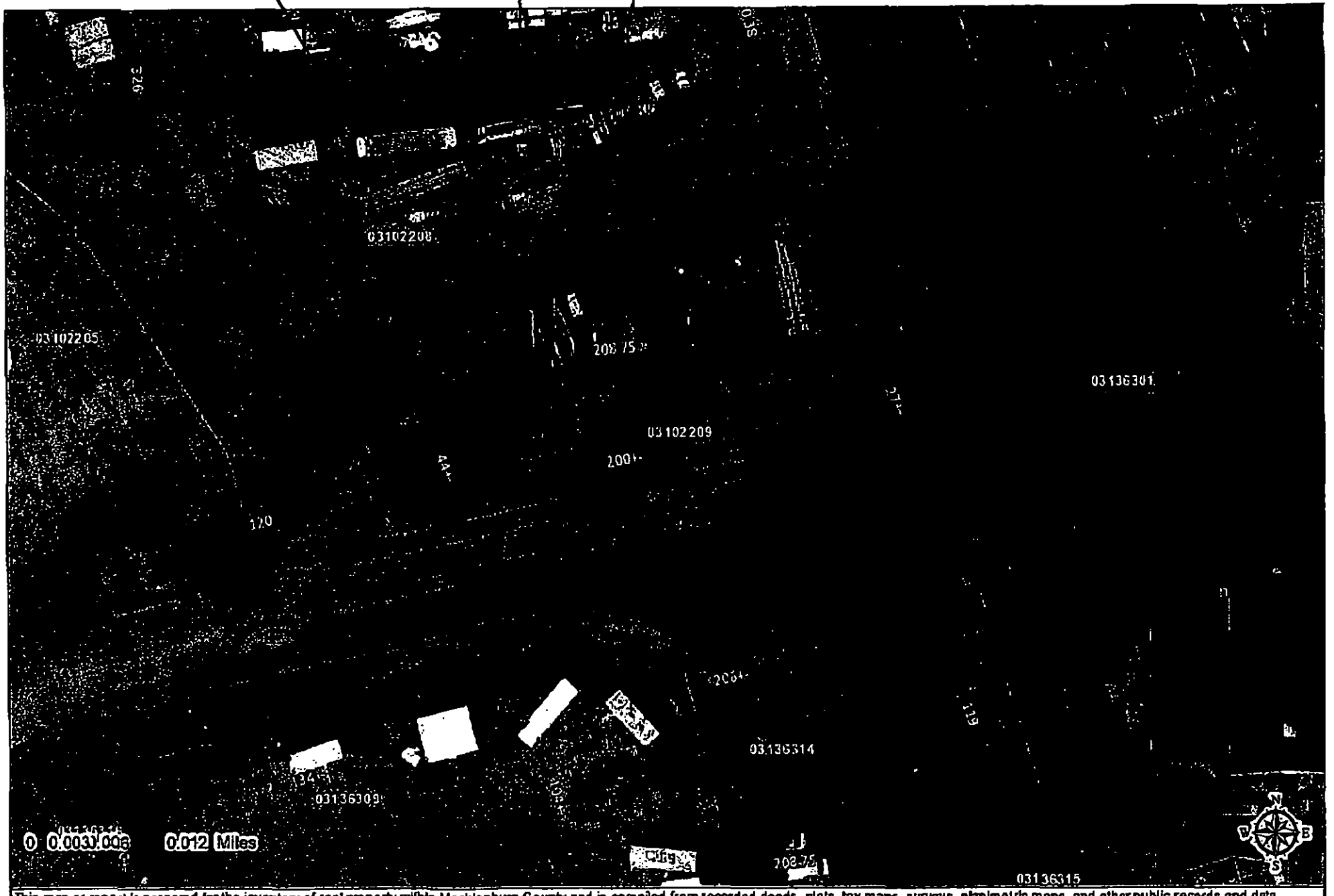
# Polaris 3G Map – Mecklenburg County, North Carolina

Storage only Thing on property

Office Trailer

Septic

Date Printed: 7/1/2013 11:29:33 AM




This map or report 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 or report 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.