Owner: Dennis Lauffenburger

# IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 222005

## IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4740 886 396

APPLICANT: Blue Ridge Engineering, PLLC APPLICANT ADDRESS: 924 Main St Suite 200 N Wilkesboro NC 28659

SITE ADDRESS: 150 Ostwalt Amity Rd Troutman NC 28166 PHONE: 336-838-2500 ALT. PHONE: 704-528-2000

SITE DIRECTIONS: 77, take exit 42 T/L 115 T/R Ostwalt Amity Rd site on right

SUBDIVISION: N/A SECTION: N/A LOT # N/A LOT AREA: 5.2 ac DESIGN FLOW: 600 L.T.A.R.: 0.3

Septic Tank 1250 (gal) STB Date

Pump Tank (gal) PT Date

Pump Make Model Serial #

# Nitrification Fields 1 # Lines 4 Linear Ft: 528

Trench Width 36" Max. Trench Bottom Depth 36" Gravel Depth N/A

[X] New System [ ] Repair [ ] Expansion System Type: I II [III] IV V VI

System Description: 25% Reduction

Repair System Description: 50% Reduction

Maintenance Agreement Required: [ ] YES [X] NO

[X] GRAVITY [ ] PRESSURE

[ ] Residence No. Bedrooms

[X] Business No. Persons

[ ] Other No. Employees 24

[ ] Slab [ ] Crawl Space

[ ] Basement w/plumbing [ ] Basement w/o plumbing

Water Supply: [X] Private [ ] Public [ ] Community

Comments / Conditions: Install 25% reduction on contour with serial distribution.

INITIAL SITE SKETCH

See plan by Blue Ridge Engineering

AS BUILT SKETCH

*Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system.* **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

[ ] **IMPROVEMENT PERMIT** *with plat valid without expiration.* [X] **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* [X] **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: D.R. Lauffenburger Date: 2-15-17 Installed by:

IMPROVEMENT PERMIT by: Date: 11/16/16 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: 11/16/16 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

~ 11:30.

Owner: Dennis Lauffenburger

# IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-6305 | Mooresville Office (704) 660-3625 | PERMIT # 222005

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM | PIN # 4740886396 ✓

APPLICANT: Blue Ridge Engineering, PLLC | APPLICANT ADDRESS: 924 Main St Suite 200 N Wilkesboro NC 28659

SITE ADDRESS: ✓ 150 Ostwalt Amity Rd Troutman NC 28166 | PHONE: 336-838-2500 | ALT. PHONE: 704-528-2000

SITE DIRECTIONS: 77, take exit 42 T/L 115 T/R Ostwalt Amity Rd site on right

SUBDIVISION: N/A | SECTION: N/A | LOT # N/A | LOT AREA: 5.2 ac | DESIGN FLOW: 600 | L.T.A.R.: 0.3

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Septic Tank [redacted] (gal) | STB | Date 4-13-17 | ☒ New System ☐ Repair ☐ Expansion | System Type: I II III IV V VI | ☐ Residence | No. Bedrooms | | Water Supply |
| Pump Tank (gal) | PT | Date | System Description: | 25% Reduction | ☒ Business | No. Persons | | ☒ Private |
| Pump Make | Model | Serial # | Repair System Description: | 50% Reduction | ☐ Other | No. Employees | 24 | ☐ Public |
| # Nitrification Fields 1 | # Lines 4 | Linear Ft: 528 | Maintenance Agreement Required: | ☐ YES ☒ NO | ☐ Slab | ☐ Crawl Space | | ☐ Community |
| Trench Width 36" | Max. Trench Bottom Depth 36" | Gravel Depth N/A | | ☐ GRAVITY ☐ PRESSURE | ☐ Basement w/plumbing | | ☐ Basement w/o plumbing | |

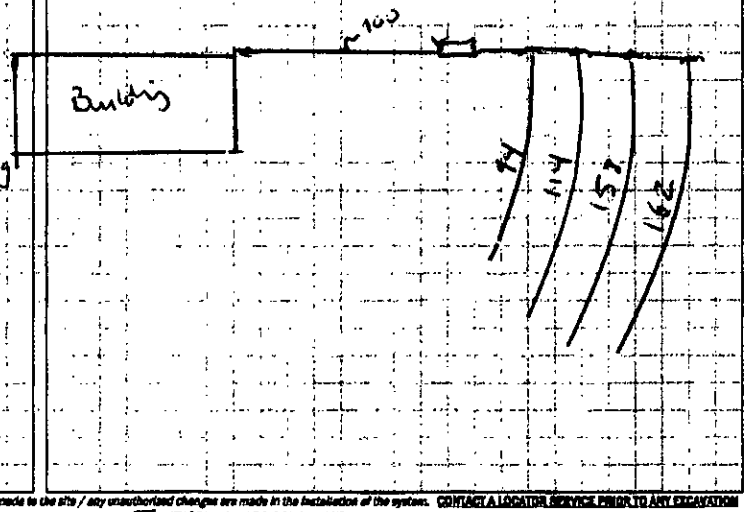
Comments / Conditions: Install 25% reduction on contour with serial distribution.

1500 gal trash Tank Installed. Quick 4 DAB Items used.

INITIAL SITE SKETCH

See plan by Blue Ridge Engineering

AS BUILT SKETCH




*Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system.* CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

☐ IMPROVEMENT PERMIT with plan valid without expiration. ☒ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☒ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: [signature] Date: 2-15-17 | Installed by: Corey Heavner

IMPROVEMENT PERMIT by: [signature] Date: 11/16/16 | OPERATION PERMIT by: [signature] Date: 4/15/17

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 11/16/16 | Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

RECEIVED SEP 2 2 2016

# IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

*(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)*

Paid $500.00 #222005

**1. APPLICATION FOR:** ✓ Improvement Permit / X Authorization To Construct ___ Existing System Inspection

**2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application**

**The following optional attachments may also be submitted:** ___Survey Plat, Scaled no more than 1 Inch = 60 Feet

*Place check ( ) beside whichever is submitted if applicable* X Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

**3. Applicant Information:**

| Applicant Name | Mailing Address | Home Phone # | Alternate Phone # |
|---|---|---|---|
| Blue Ridge Engineering, PLLC | 924 Main Street, Suite 200 N. Wilkesboro, NC 28659 | N/A | 336-838-2500 |
| **Owner Name** | **Mailing Address** | **Home Phone #** | **Alternate Phone #** |
| Dennis R. & Virginia L. Lauffenburger | 150 Ostwalt Amity Road, Troutman, NC 28166 | | 704-528-2000 |

**4. Property Information:**

| Street Address | Subdivision Name | Section/Phase and Lot Number |
|---|---|---|
| 150 Ostwalt Amity Road, Troutman, NC 28166 | | |

**Driving Directions:** From I-77, take exit 42 to NC-115/US-21 North, turn right onto Ostwalt Amity Road. Site is on the right through the gate.

**5. RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

( ) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System due to ___
( ) Other ___

Maximum Number of Bedrooms ___
Maximum Number of Occupants ___
If Expansion, Current Number of Bedrooms ___

( ) Crawl Space Foundation?
( ) Concrete Slab Foundation?
( ) Basement w/Plumbing?
( ) Basement w/out Plumbing?

**IF Non-Residential Site Development:**

| | |
|---|---|
| Type of Business | Warehouse (Factory) |
| Square Footage of Building | 20,000 |
| Maximum Number of Employees | 24 |
| Maximum Number of Seats | |

**6. Proposed Water Supply:**

( ) New Well (x) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

**7. Desired Septic System Type:** *(You may rank in order of preference, if any)* ( ) EXISTING SYSTEM installed ___ *Year*

( ) Alternative ( 1) Conventional ( ) Innovative (2) Modified Conventional ( ) Other ___
Chamber System (25% Reduction)

**8. Please Answer The Following** ( ) Yes (x) No Does the site contain any jurisdictional wetlands?
**To The Best of Your Ability:** ( ) Yes (x) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes ( ) No Is the site subject to approval by any other public agency?

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.

**9. Signature:** William Jesse Hatley — 9-7-16

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) — DATE

# IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

## DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

*Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship*

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, ☐ Dennis R Lauffenburger, am the legal owner(s) of the property located at 150 Ostwalt Amity Road, Troutman, NC 28166, identified as PIN (Parcel Identification Number) 4740886396, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Blue Ridge Engineering, PLLC, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

☐ Dennis R Lauffenburger 9-7-16 ☐ _____ 9-7-16

Signature of Owner(s) Date Signature of Witness Date

Please return this signed form to the appropriate office:


**Mooresville - Environmental Health**
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

**Statesville - Environmental Health**
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

# IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

| APPLICATION NUMBER |
|---|
| 222005 |
| Issue Date: 09/22/2016 |

## ZONING PERMIT

Commercial

| Parcel Number | Street Address | Jurisdiction |
|---|---|---|
| 4740886396.000 | 150 OSTWALT AMITY ROAD BUILD D, TROUTMAN, NC 28166 | IREDELL COUNTY |

| Owner Information | Applicant Information |
|---|---|
| Owner: LAUFFENBURGER DENNIS R+VIRGINI A L | Applicant: BLUE RIDGE ENGINEERING |
| Address: 410 NORMANDY RD<br>MOORESVILLE, NC 28117 | Address: 924 MAIN STREET SUITE 200<br>NORTH WILKESBORO, NC 28659 |
| Phone: | Phone: 336-838-2500 |

| Use Requested | Zone Code |
|---|---|
| MACHINE & REPAIR SHOPS | GB |

| Lot Acreage | F Setback | B Setback | L Setback | R Setback | Watershed | Flood Zone |
|---|---|---|---|---|---|---|
| 8.200 | | | | | NOT | X |

**Remarks:**

ALL PARKING AND LANDSCAPING MUST BE IN PLACE BEFORE A ZONING FINAL AND CO ARE APPROVED; ANY CHANGES TO THE SITE PLAN MUST BE SUBMITTED AND APPROVED BEFORE CONSTRUCTION BEGINS;

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

| Permit Number | 81286 | TOTAL FEES: | $ 177.25 |
|---|---|---|---|

ON-SITE WASTEWATER SECTION

Sheet 1 of 2
PROPERTY ID #: 4740886396
COUNTY: Iredell

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

1 of 2

OWNER: Blue Ridge Engineering Soil Eval #1
ADDRESS: 150 Oswalt Amity Road.
APPLICATION DATE 9/7/16
PROPOSED FACILITY: Business. PROPOSED DESIGN FLOW (.1949): 600 DATE EVALUATED: 10/31/2016.
LOCATION OF SITE: 213 The Oswalt Amity Lot on right PROPERTY SIZE: 8.2ac
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other PROPERTY RECORDED: Yes
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Shoulder 3% | 0-20 | Fill | | | | | | |
| | | 20-44 | ABK C | SS SP SExP Fr | 10YR 6/4 2.5YR 4/6 Mica. | | | | WS - Fill |
| | | 44-64 | C WSBK | SS SP SExP FR. | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 2 | Shoulder 3% | 0-14 | Fill | | | | | | |
| | | 14-35 | ABK C | SS SP SExP Fr | 2.5YR 4/6. | | | | WS - Fill Chroma 2 CBS |
| | | 35-44 | ABK C | SS SP SExP Fr | 10YR 6/2 CBS | | | | |
| | | 44-64 | ABK C | SS SP SExP FR | Floater Rock YR 4/4 | | | | |
| | | | | | | | | | |
| 3 | Ridge Top 3% | 0-20 | Fill | | | | | | |
| | | 20-44 | ABK C | SS SP SExP Fi | 2.5YR 5/6. | | | | WS Fill |
| | | 44-64 | WSBK C | SS SP SEx FM+Fi | 10YR 6/6. | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 4 | Ridge Top. 12% | 0-12 | SCL MOD SBK | NS NP SExP VFR | 7.5YR 6/6 | | | | |
| | | 12-32 | ABK C MD | SS SP SExP FM | FR. 2.5YR 4/6 | | | | |
| | | 32-44 | WSBK C MD | SS SP SExP FR | FM 2.5YR 4/6 10YR 7/6. | 44 | Loam. | PS | PS .3 |
| | | 44-80 | Sap. | NSNPM - VFR | — | | — | | |
| | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | III | III |
| Site LTAR | .3 | .25 |

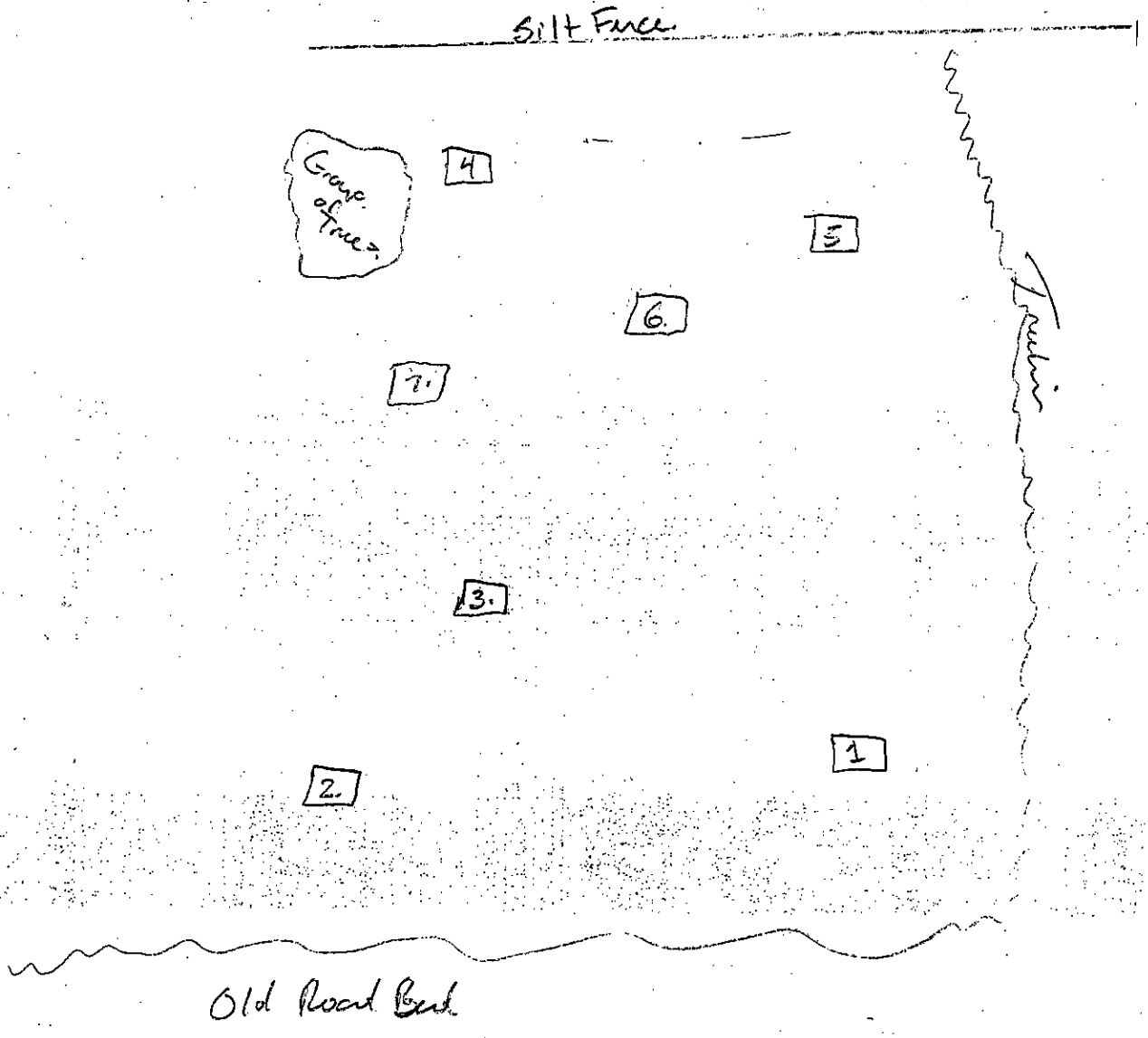
OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: H Snow
OTHER(S) PRESENT:

COMMENTS:

5). Ridge 2%
0-4 SCL III WSBk
4-36 CL IV ABk
36-80 Sap wwpm NR Loamy Sap.

6). Ridge 2%
0-5 SCL III WSBk SS NP SEXP FR
5-44 C IV ABk SS SP SEXP FIRM .25 CTAR.
44-95 C IV WSBk BC SS SP SEXP FM-FRI

7) Ridge 2%
0-19 F III
19-40 C IV ABk SS SP SEXP FIRM
40-64 BC-C IV WSBk SS NP SEXP FRI



# SOIL/SITE EVALUATION

*(Continuation Sheet Complete all field in full)*



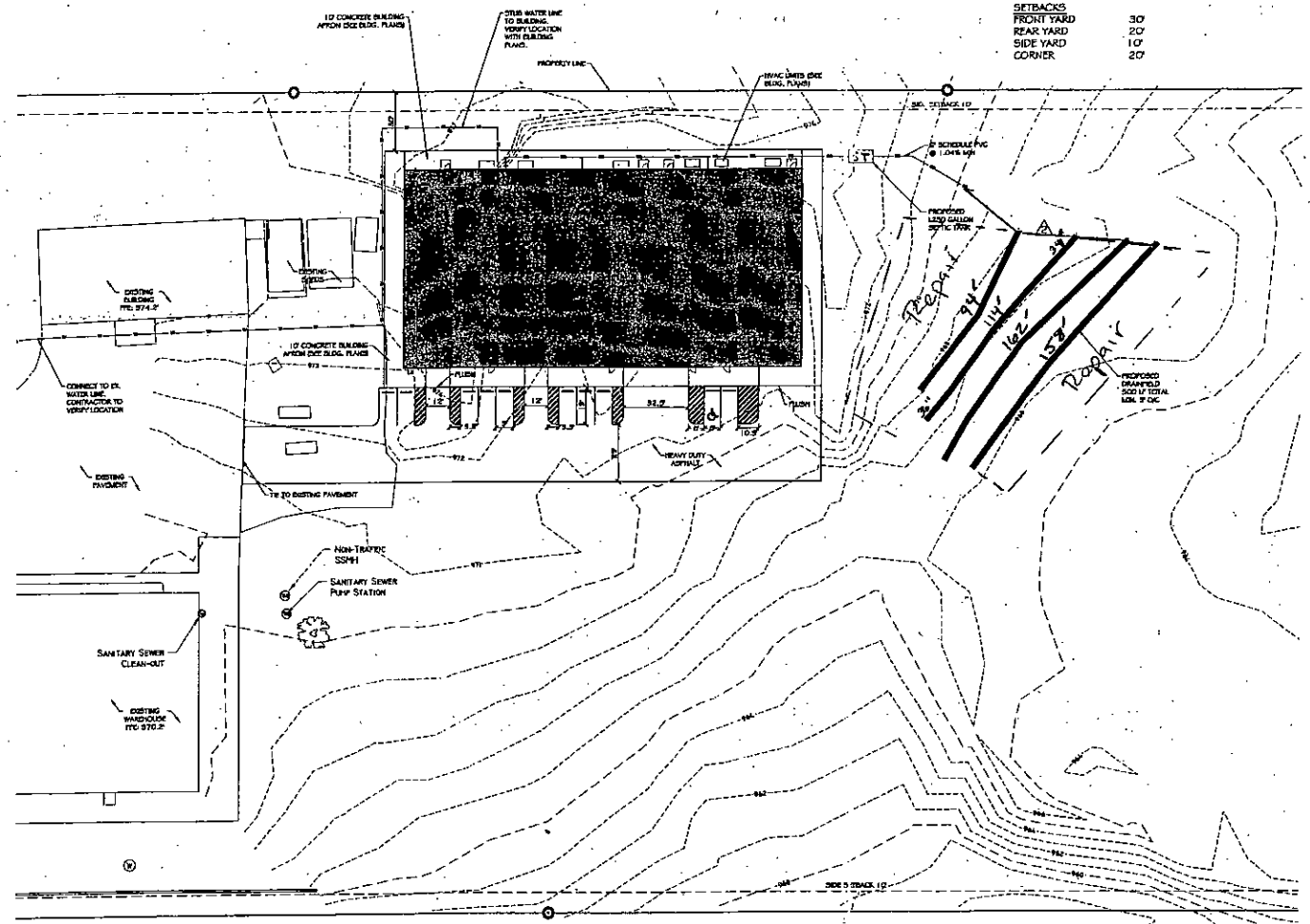
DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Soil Eval #1 cont...

PROPERTY ID #: 47@4088639G.
DATE OF EVALUATION: 10/31/2016
COUNTY: Iredell

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 5 | Ridge 1-2% | 0-4 | III SCL WSBK | NS/NP SEXP FR. | 7.5YR 7/6. | 36' | Loam Sap. | — | PS .13 |
| | | 4-36 | C IV ABK | SS SP SEXP FM. | 2.5Y 8/4/6. | | | | |
| | | 36-80 | L-Sap M | NS NP SEXP VFR. | 2.5YR 4/6. | | | | |
| 6 | Ridge 1-2% | 0-5 | III SCL WSBK | NS NP SEXP FR. | 7.5YR 6/6. | PS | P/PP | — | PS .125 |
| | | 5-44 | C IV ABK | SS SP SEXP FM | 2.5YR 5/6. mica | | | | |
| | | 44-75 | C IV B-C WSBK | SS SP SEXP FR | | | | | |
| 7 | Ridge 1-2% | 0-19 | FILL | | 10R 4/6 mica | PS | W/PP | — | PS .125 Deep TFJ |
| | | 19-40 | C IV ABK | SS SP SEXP FM | | | | | |
| | | 40-64 | C IV B-C WSBK | NS NP SEXP FRI | | | | | |

COMMENTS:




## ZONING COMPLIANCE DATA

| | |
|---|---|
| **GENERAL** | |
| LATITUDE | 35° 40' 56" N |
| LONGITUDE | 80° 51' 24" W |
| PROJECT AREA | 5.2 ACRES |
| ZONING | GENERAL BUSINESS (GB) |
| **PROPOSED USE** | |
| WAREHOUSE | 20,000 SF |
| **PARKING:** | |
| MANUFACTURING | 2 SPACES PER 3 EMPLOYEES |
| REQUIRED | 5 SPACES |
| PROVIDED | 10 SPACES |
| **SETBACKS** | |
| FRONT YARD | 30' |
| REAR YARD | 20' |
| SIDE YARD | 10' |
| CORNER | 20' |

## SITE LAYOUT NOTES

1. THIS IS NOT A PROPERTY SURVEY. SEE SURVEY FOR BOUNDARY INFORMATION.
2. ALL WORK SHALL COMPLY WITH LOCAL ORDINANCES, NCDOT STANDARDS AND OWNER SPECIFICATIONS. ALL SIGNS AND PAVEMENT MARKINGS SHALL COMPLY WITH MUTCD STANDARD.
3. BLUE RIDGE ENGINEERING SHALL PROVIDE ALL CONSTRUCTION LAYOUT AND STAKING REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR CONSTRUCTION LAYOUT AND STAKING SERVICES PROVIDED. CONTRACTOR SHALL IMMEDIATELY NOTIFY BLUE RIDGE ENGINEERING IF CONDITIONS ARE ENCOUNTERED THAT ARE NOT AS SHOWN.
4. CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY, METHODS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS IN COMPLIANCE WITH MUTCD AND NCDOT STANDARDS. CONTRACTOR SHALL NOTIFY NCDOT, OWNER, AND ENGINEER AT LEAST 72 HOURS IN ADVANCE OF ANY LANE CLOSURE OR TRAFFIC SHIFT.
5. ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED. CONTRACTOR SHALL PROTECT THE WORK UNTIL SUCH TIME THAT THE PROJECT IS APPROVED AND OPENED TO TRAFFIC.
6. SUBGRADE SHALL BE ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT OF STONE BASE. CONTRACTOR SHALL PROVIDE A LOADED TRUCK FOR ALL PROOF-ROLLS REQUIRED.
7. STONE BASE SHALL BE ACCEPTED BY THE ENGINEER PRIOR TO ASPHALT PLACEMENT. CONTRACTOR SHALL PROVIDE A LOADED TRUCK FOR ALL PROOF-ROLLS REQUIRED.
8. PAVING CONTRACTOR SHALL PROVIDE A CERTIFIED ROADWAY QUALITY CONTROL TECHNICIAN WITH A NUCLEAR GAGE AT ALL TIMES ASPHALT IS BEING PLACED. IF REQUESTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ASPHALT CORE SAMPLES FOR VERIFICATION OF COMPACTION AND THICKNESS.
9. SLOPES IN HANDICAP PARKING SPACES AND ACCESS AISLE AREAS SHALL NOT EXCEED 2% IN ANY DIRECTION INCLUDING THE DIAGONAL.
10. CONTRACTOR SHALL MAINTAIN AN APPROVED SET OF PLANS ON THE JOB SITE AT ALL TIMES.

## UTILITY NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY, METHODS, MEANS, PROCEDURES AND SEQUENCES OF ITS OPERATIONS. CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL FOR ITS OPERATIONS.
2. THE LOCATION OF UTILITIES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXISTENCE AND ACTUAL LOCATION OF ALL EXISTING UTILITY LINES WHETHER SHOWN ON THE PLANS OR NOT. CONTRACTOR SHALL CONTACT ULOCO.
3. BLUE RIDGE ENGINEERING SHALL PROVIDE ALL CONSTRUCTION LAYOUT AND STAKING REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR CONSTRUCTION LAYOUT AND STAKING SERVICES PROVIDED. CONTRACTOR SHALL PROVIDE BLUE RIDGE ENGINEERING 48 HOURS NOTICE FOR ANY STAKING REQUESTED.
4. DURING PIPE LAYING, PIPE ENDS SHALL BE PROTECTED OVERNIGHT WITH APPROPRIATE MEASURES TO PREVENT WATER, DIRT OR OTHER DEBRIS FROM ENTERING THE SYSTEM.
5. ALL BACKFILL IN UTILITY TRENCHES SHALL BE TESTED. ALL BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. DRYING OR WETTING OF FILL MATERIAL MAY BE REQUIRED TO COMPLY WITH MOISTURE LIMITS SPECIFIED. IF NO GEOTECHNICAL STUDY HAS BEEN PERFORMED, ALL EARTHWORK PLACED SHALL BE WITHIN 5% OF OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR.
6. ALL WORK IS SUBJECT TO INSPECTION OF THE OWNER, ENGINEER AND AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL PAY FOR ALL QUALITY ASSURANCE TESTING REQUIRED. CONTRACTOR SHALL PROVIDE BLUE RIDGE ENGINEERING 48 HOURS NOTICE FOR ANY TESTING NECESSARY.
7. MINIMUM SLOPE FOR ANY SEWER LINE SHALL BE 1.0% UNLESS OTHERWISE SHOWN. CONCRETE ANCHOR FOOTINGS SHALL BE INSTALLED ON ALL SEWER LINES EXCEEDING 20% SLOPE.
8. WATER/SEWER CROSSINGS: WHERE SEWER MAINS CROSS OVER WATER MAINS, OR WHERE LESS THAN 18" VERTICAL SEPARATION IS PROVIDED, BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS, SUCH AS THE USE OF DUCTILE IRON PIPE OR C-900, A MINIMUM OF 10 FEET IN EACH DIRECTION.
9. SEWER/STORM CROSSINGS: WHERE SEWER MAINS AND STORM DRAINS CROSS WITH LESS THAN 24" VERTICAL SEPARATION PROVIDED, SEWER MAINS SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS, SUCH AS THE USE OF DUCTILE IRON PIPE OR C-900, A MINIMUM OF 10 FEET IN EACH DIRECTION.
10. WATER/STORM CROSSINGS: WHERE WATER MAINS AND STORM DRAINS CROSS WITH LESS THAN 12" VERTICAL SEPARATION PROVIDED, WATER MAINS SHALL BE DUCTILE IRON PIPE, A MINIMUM OF 10 FEET IN EACH DIRECTION.
11. ALL SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH STATE AND LOCAL CODES. CLEANOUTS SHALL BE INSTALLED ON ALL SEWER SERVICE LINES 6" AND SMALLER, AT MINIMUM 75' SPACING.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL PROVIDE ALL APPARATUS NECESSARY FOR ALL PRESSURE TESTING, LEAKAGE TESTING, AND BIOLOGICAL TESTING. ALL TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE.
13. CONTRACTOR SHALL COORDINATE ALL WORK AS NECESSARY WITH: POWER COMPANY; TELEPHONE COMPANY; GAS COMPANY; ETC.
14. CONTRACTOR SHALL ABANDON ALL UNUSED WATER AND/OR SEWER SERVICES. COORDINATE WITH CITY.

© COPYRIGHT 2015 BY BLUE RIDGE ENGINEERING PLLC, NC LICENSE #P-0305. ALL RIGHTS RESERVED. THESE PLANS ARE NOT TO BE COPIED, EMAILED, SCANNED OR OTHERWISE REPRODUCED IN ANY FORM OR MEDIUM WHATSOEVER WITHOUT THE PRIOR WRITTEN CONSENT OF BLUE RIDGE ENGINEERING PLLC IS PROHIBITED

DRAWN BY: MJH

PROJECT #: 15021

ORIGINAL ISSUE DATE: 9.15.2015

REVISIONS:
1. 10-09-2015 ADDED REVIEW COMMENTS
2. 11-11-2015 REVISED DRAINFIELD

Blue Ridge Engineering PLLC
924 Main Street - Suite 200
North Wilkesboro, NC 28659
336.838.2590
www.BREpllc.com
Firm #P-0305

PREPARED FOR:
LGL PROPERTIES, LLC
ATTN: LANCE LAUTENBURGER
150 OSTWALT AMITY RD
TROUTMAN, NC 28166
(704) 528-2000

SHEET
# SITE & UTILITY PLAN
NEW 20,000 SF WAREHOUSE
150 OSTWALT AMITY ROAD, TROUTMAN, NC 28166
IREDELL COUNTY, NORTH CAROLINA

7