# IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5300

PIN # 4784034759.

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

APPLICANT/OWNER: Raymond Turner — APPLICANT ADDRESS: 115 Hamby Lane Statesville NC 28625

SITE ADDRESS: 519 Elmwood RD Statesville, NC 28625 — PHONE: 704-902-2216 — ALT. PHONE: ~

SITE DIRECTIONS: RT 70 E from SVC Left on Triplett RD → Right on Salisbury Left on Elmwood 2.5 miles on L — SAP CONTROLLED: ☒ YES ☐ NO

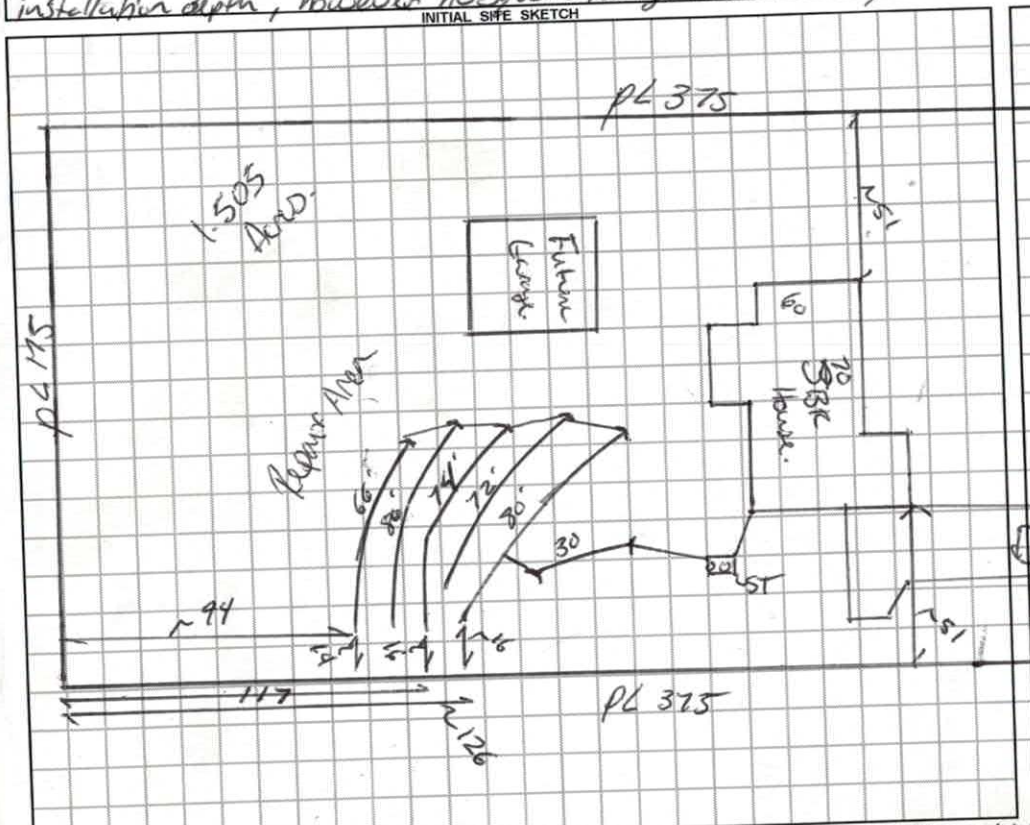
SUBDIVISION: — SECTION: — LOT #: — LOT AREA: 1.505 Acres — DESIGN FLOW: 360 — L.T.A.R.: .30

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 (gal) | STB | 760 | Date | 8/17 | ☒ New System ☐ Repair ☐ Expansion | System Type: I II III IV V VI |
| Pump Tank | (gal) | PT | | Date | | System Description: | Conventional - Serial distribution |
| Pump Make | | Model | | Serial # | | Repair System Description: | Conventional |
| # Nitrification Fields | 1 | # Lines | 6 | Linear Ft | 400 | Maintenance Agreement Required: | ☐ YES ☒ NO |
| Trench Width | 36 | Trench Bottom Depth (~~Low side~~) | 50' | Gravel Depth | ~ | ☒ GRAVITY | ☐ PRESSURE |

| | | | |
|---|---|---|---|
| ☒ Residence | No. Bedrooms | 3 | Water Supply |
| ☐ Business | No. Persons | 6 | ☐ Private |
| ☐ Other | No. Employees | | ☒ Public |
| ☐ Slab | ☒ Crawl Space | | ☐ Community |
| ☐ Basement w/ plumbing | ☐ Basement w/o plumbing | | |

Comments / Conditions: System design & specs per Thomas Shuck from 8/22/16 Permit. Follow all N.C. Septic Rules. 25% reduction Method 4 Repair Septic Area." Permit Replaces & Revokes Existing permit from 8/22/2016 due to house being moved. System may be used for drainfield construction that are approved for the installation depth, however no square footage reduction may be taken

INITIAL SITE SKETCH




AS BUILT SKETCH

10/30 Trench bottom 50 high side
48 Low side.
Fill Dirt Removed.

*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.* ☒ **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: Raymond Turner — Date: — Installed by: Sammy Davis

IMPROVEMENT PERMIT by: Tom Shuck — Date: 8/22/2016 — OPERATION PERMIT by: Benjamin Bolton — Date: 10/30/2017

AUTHORIZATION TO CONSTRUCT by: Benjamin Bolton — Date: 10/13/2017 — Existing System Inspected by: — Date:

+ 10/30 Remove 3 inches of Topsoil.

| | Date | Initials |
|---|---|---|
| Drain Lines Checked | ✓ | 10/30 |
| Tanks Checked | ✓ | ✓ |
| Pressure Manifold or Valve Box Checked | | |
| Pressure Head Set | | |
| Electrical Checked | | |
| Floats Set | | |
| Alarm Checked | | |
| Maintenance Contract Y / N | | ✓ |

10/23 - Rainy during installation. Final 3 inches to be done
L-3 out of Contour + up Hill needs to be Re-Dug
Told to Cover Lines 1+2, 4+5 + W for any Product used

# SOIL/SITE EVALUATION

*(Continuation Sheet)*



+65
25

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

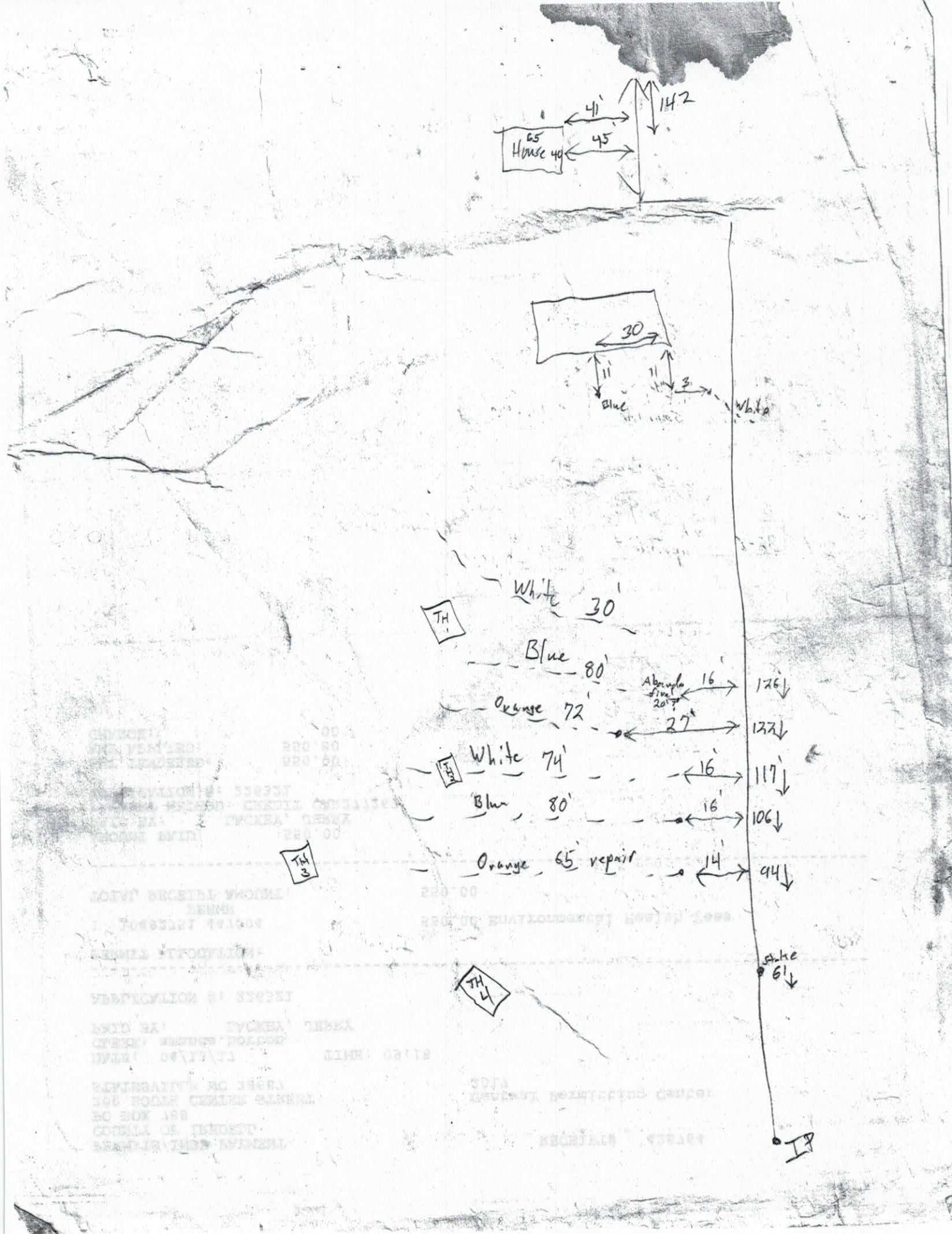
PROPERTY ID #:
DATE OF EVALUATION: 8-9-16
COUNTY: Iredell

519 Elmwood

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LS 2% Pr.m | 0-7 | Br. Clay Loam w. SBK | Sl. Firm, SS, Sp, Sexp | Install @ 40" | 40 | — | — | 0.30 PS |
| | | 7-34 | Br/Yellow clay v. weak SBK/ABK | Firm, Sticky, Plastic, Expansive | | | | | |
| | | 34-40 | clay Loam w/ Saprolite + clay films (brown) w/ SBK | Sl. Friable, SS, Sp, Sexp | | | | | |
| | | 40-77 | MA Loamy Saprolite | Friable + moderately Drained. | | | | | |
| 2 | LS 2% Repair | 0-8 | Br. Clay Loam w. SBK | Sl. Firm, SS, Sp, Sexp | ← w mixed Saprolite 28"-38" | 38 | — | — | 0.30 PS |
| | | 8-38 | Br/Yellow clay v. weak ABK/SBK | Firm, Sticky, Sp, Sexp | | | | | |
| | | 38-87 | MA Loamy Saprolite | Very very Friable + well drained v. bright color | Install @ 40" | | | | 0.40 50+" |
| 3 | LS 2% Pr.m | 0-8 | Clay Loam w/ SBK | Sl. Firm SS, Sp, Sexp | | 52 | — | — | 0.30 PS |
| | | 8-43 | Clay (Br/Yellow) v. weak SBK/ABK | Firm, Sticky, Sp, Sap | | | | | |
| | | 43-52 | Clay/ Clay Loam w. SBK w/ Saprolite | Sl. Friable, SS, Sp, Sap | | | | | |
| | | 52-92 | MA Loamy Saprolite | Friable, SS, Sp, Sexp | Install @ 50" | | | | |
| 4 | 2% Rep | 0-6 | Br. clay Loam v. weak SBK | Sl. Firm, SS, Sp, Sexp | — | 38 | — | — | 0.30 |
| | | 6-22 | Clay w. ABK/SBK | Firm, Sticky, Plastic, Expansive | | | | | |
| | | 22-38 | Heavy Clay Loam + Saprolite v. weak SBK | | | | | | |
| | | 38-93 | MA Loamy Saprolite | | Install @ 40" | | | | 0.40 50+" |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | 401 | | | | | |

30 80 72 75 80 65 75

COMMENTS:


41'
142
65
House 40
45
30
11
11
3
Blue
White
White 30'
TH 1
Blue 80'
Abrupt Rise 20'
16'
126
Orange 72'
27'
132
TH 2
White 74'
16'
117
Blue 80'
16'
106
TH 3
Orange 65' repair
14'
94
Shale 61'
TH 4

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

Sheet 1 of 3
PROPERTY ID #:
COUNTY: Iredell

# SOIL/SITE EVALUATION
## *for* ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Raymond Turner
APPLICATION DATE 6-28-16
ADDRESS: 121 E Memorial Highway Harmony, NC
DATE EVALUATED: 8-5-16
PROPOSED FACILITY: 3 BR. House PROPOSED DESIGN FLOW (.1949): 360 GPD
PROPERTY SIZE: 1.505 acres
LOCATION OF SITE: 519 Elmwood Rd. Statesville, NC
PROPERTY RECORDED: Yes

WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
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 | 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 |
|---|---|---|---|---|---|---|---|---|---|
| 1 | LSS 6% Bg House | 0-8 | Br. Clay Loam w. SBK | Sl. Friable, SS, Sp, Sap | — | 35 | — | — | 0.275? N/A, Need Pit |
| | | 8-35 | Br/Yellow clay v. weak SBK | Firm, Sticky, Plastic, Expansive | | | | | |
| | | 35-48 | Loamy Saprolite (massive) | Friable + moderately Dranamt | | | | | |
| 2 | LSS 5% 45' from House Bg | 0-6 | Br. Clay Loam w. SBK | Sl. Friable, SS, Sp, Sap | — | 34 | — | — | 0.250? N/A, Need Pit |
| | | 6-34" | Br/Yellow Clay V. weak SBK | Firm, Sticky, Sp, S. Exp | | | | | |
| | | 34-48 | Loamy Saprolite (massive) | Sl. Friable, moderately Dranamt | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 400 L.F | 400 L.F |
| System Type(s) | Conv. | Conv. |
| Site LTAR | 0.30 | 0.30 |

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): RS
EVALUATED BY: Tom Shook
OTHER(S) PRESENT:

COMMENTS:

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

# INNOVATIVE WASTEWATER SYSTEM APPROVAL

INNOVATIVE WASTEWATER SYSTEM NO: IWWS-1993-2-R16

Issued To: Infiltrator Water Technologies, LLC
PO Box 768
Old Saybrook, CT 06475
800-221-4436; Fax: 860-577-7001
www.infiltratorwater.com

Contact: Dave Lentz, P.E.

For: "Infiltrator" Standard, Standard SideWinder, Standard SC, Equalizer 36, High Capacity, Contour Wedge, Standard Contour Swivel, Quick4 Standard, Quick4 Standard-W, Quick4 Equalizer 36, Quick4 High Capacity and Quick4 Equalizer 24, Quick4 Standard MultiPort Endcap, Quick4 EQ 24 MultiPort Endcap, Quick4 EQ 36 MultiPort Endcap, Quick4 High Capacity MultiPort Endcap, and Quick4 Plus Standard All-in-One 12 Endcap, as well as "BioDiffuser" Standard Model 11" High Unit, Angle Chamber Section, Bio 3, Arc 36, Arc 36HC, and Arc 24 Models, Arc 36 Side Port Coupler (SPC) Unit, Arc 24 Side Port Coupler (SPC) Unit, Arc 36HC Side Port Coupler (SPC) Unit, Arc 36 SPC Endcap, and Arc 36HC SPC Endcap chambered sewage effluent subsurface disposal systems

Approval Dates:

| | |
|---|---|
| August 25, 1994 | "Infiltrator" Standard Chamber Approval |
| March 21, 1997 | BioDiffuser 12-Inch Cover H-10 Load Design* |
| April 26, 1999 | "Infiltrator" SC (Shallow or 6-inch cover) Load Design and High Capacity Chamber |
| August 10, 2000 | BioDiffuser 6-Inch Cover (Shallow Placement) Design |
| January 17, 2001 | Standard SideWinder and Contour Wedge |
| July 25, 2001 | BioDiffuser Class IV Cover |
| October 4, 2001 | Equalizer 36 and Standard SideWinder SC (Shallow or 6 inch cover) Load Design |
| October 5, 2001 | BioDiffuser Angle Chamber Section |
| April 18, 2002 | "Infiltrator" High Capacity SideWinder and Revised Equivalency Factors |
| November 4, 2002 | BioDiffuser Warranty System with Revised Equivalency Factors |
| March 20, 2003 | Equalizer 36 Swivel and Standard Contour Swivel |
| April 8, 2003 | Revised (Warranty) Equivalency Factors |
| April 9, 2003 | Bio 3 |
| December 19, 2003 | Quick4 Standard Chamber |
| April 7, 2004 | Minor Revisions/Edits |
| September 29, 2004 | Quick4 Standard-W Chamber |

| | |
|---|---|
| November 1, 2005 | Quick4 Equalizer 36 Chamber |
| March 10 2006 | Arc 36 |
| December 21, 2006 | Quick4 High Capacity Chamber and Quick4 Equalizer 24 Chamber and Deep Installation Approval |
| April 28, 2008 | Arc 24 and Arc 36 Side Port Coupler (SPC) |
| July 18, 2008 | Addition of Hancor, Inc. |
| February 25, 2010 | Arc 36HC, Arc 24 Side Port Coupler (SPC), Arc 36HC Side Port Coupler (SPC), and Deep Installation Approval |
| March 1, 2011 | Addition of Quick4 Plus Standard |
| November 30, 2012 | Elimination of Warranty Equivalency Factors and Reductions Exceeding 25% |
| November 30, 2012 | Change of BioDiffuser and Arc Ownership to Infiltrator Systems Inc.* |
| September 5, 2014 | Addition of Area Sizing Credit for End Cap Parts |
| May 1, 2015 | Merge IWWS-1997-2-R11 BioDiffuser model specifications into IWWS-1993-2-R15; retire IWWS-1997-2-R11 |
| August 7, 2015 | Update trench levelness requirements and change company name to Infiltrator Water Technologies, LLC** |

*The March 21, 1997 innovative approval was issued to Advanced Drainage Systems, Inc. and transferred to Infiltrator Systems, Inc. on November 30, 2012.
**Prior approvals were issued to Infiltrator Systems, Inc. or predecessor companies.

In accordance with General Statute 130A-343 and 15A NCAC 18A.1969, an application by Infiltrator Water Technologies, LLC or its predecessor of Old Saybrook, CT for a revised approval of their chamber (gravel-less) nitrification trench system has been reviewed, and found to meet the requirements of an innovative system when all of the following conditions are met:

I. General

A. Scope of this Innovative Approval
   1. Use, design, and installation requirements for the Infiltrator chamber nitrification trench system, inclusive of Quick4, Arc, and BioDiffuser models as well as respective predecessor designs.

B. The following chamber system models have been found to meet the standards of an innovative system:
   - Infiltrator Standard and Standard SideWinder (polyethylene) with 12 inch cover
   - Infiltrator High Capacity (polyethylene) with 12 inch cover
   - Quick4 Plus Standard, Quick4 Standard, Quick4 Standard-W, Standard SC and Standard SideWinder SC (polypropylene) Models with 6 inch cover
   - Equalizer 36 with 6 inch cover
   - Quick4 Equalizer 36 with 6 inch cover
   - Quick4 High Capacity with 6 inch cover
   - Quick4 Equalizer 24 with 6 inch cover
   - High Capacity SideWinder (polypropylene) with 12 inch cover
   - Contour Wedge

- EQ36 Swivel
- Contour Swivel – Standard
- Quick4 Standard MultiPort Endcap with 6 inch cover
- Quick4 EQ 24 MultiPort Endcap with 6 inch cover
- Quick4 EQ 36 MultiPort Endcap with 6 inch cover
- Quick4 High Capacity MultiPort Endcap with 6 inch cover
- Quick4 Plus Standard All-in-One12 Endcap with 6 inch cover
- BioDiffuser Standard Model with 6 inch cover
- Angle Chamber section with 6 inch cover
- Bio 3 with 6 inch cover
- Arc 36 with 6 inch cover
- Arc 24 with 6 inch cover
- Arc 36HC with 6 inch cover
- Arc 24 Side Port Coupler (SPC) with 6 inch cover
- Arc 36 Side Port Coupler (SPC) with 6 inch cover
- Arc 36HC Side Port Coupler (SPC) with 6 inch cover
- Arc 36 SPC Endcap with 6 inch cover
- Arc 36HC SPC End Cap with 6 inch cover

II. System Description

A. Minimum pretreatment by septic tank as required in 15A NCAC 18A .1952.

B. The chambers must meet the following requirements as specified. Table I identifies chamber dimensions.
   1. Infiltrator Standard and Standard SideWinder chamber units (including High Capacity Model) consist of a high density polyethylene arch-shaped injection molded chambers.
   2. The Quick4 Plus Standard, Quick4 Standard, Standard SC and Standard SideWinder SC units consist of polypropylene arch-shaped injection molded chambers.
   3. Sixteen Infiltrator Standard or High Capacity chambers are approximately equal to 100 linear feet.
   4. Twenty-five Quick4 Plus Standard, Quick4 Standard, Quick4 Standard-W, Quick4 Equalizer 36, Quick4 High Capacity chambers, and Quick4 Equalizer 24 are approximately equal to 100 feet.
   5. Twelve Equalizer 36 chambers are approximately equal to 100 linear feet.
   6. BioDiffuser units consist of high-density polyethylene arch-shaped injection molded chambers.
   7. Arc units consist of polypropylene or high-density polyethylene arch-shaped injection molded chambers.
   8. Sixteen BioDiffuser Standard chamber units are approximately equal to 100 linear feet.
   9. Fourteen BioDiffuser Bio 3 chamber units are approximately equal to 100 linear feet.
   10. Twenty Arc 36, Arc 36HC, and Arc 24 units are each equal to 100 linear feet.
   11. The chamber sidewall slope is approximately 20 degrees toward the chamber center or away from the trench sidewall.

C. Each chamber unit shall be properly and permanently marked in compliance with the appropriate standard, and conditions of this approval as follows:
   - Standard or Standard SideWinder

- Quick4 Plus Standard, Quick4 Standard, Quick4 Standard-W, Standard SC or Standard SideWinder SC
- High Capacity, High Capacity SideWinder or Quick4 High Capacity
- Equalizer 36 or Quick4 Equalizer 36
- Contour Wedge
- Quick4 Equalizer 24
- EQ36 Swivel
- Contour Swivel – Standard
- Bio 3
- Arc 36
- Arc 24
- Arc 36HC

D. Each chamber unit is designed to mechanically interlock with the downstream chamber forming a complete nitrification trench that consists of an inlet plate with a splash plate located below the inlet on the trench bottom and a solid end plate to be located at the distal end of any chamber nitrification line.

E. The contour wedge, EQ 36 swivel, or standard swivel can be utilized as accessories to achieve turns as necessary in all applications including but not limited to shallow cover with 6 inches of soil, or the standard and high capacity units with 12 inches of soil.

F. The Angle Chamber Section may be utilized as an accessory for the BioDiffuser Standard and the Bio 3 models to achieve turns as necessary in all applications including but not limited to shallow cover with 6 inches of soil.

G. The Side Port Coupler (SPC) may be utilized as an accessory for the Arc 24, Arc 36, and Arc 36HC model chambers in series of no more than three (3) consecutive units to decrease the turning radius of a chamber line, as a drop-box in serial distribution, and for mid-line distribution pipe entry and exit in all applications where the Arc 24, Arc 36, and Arc 36HC model chambers may be utilized.

III. Siting Criteria

Chamber nitrification trench assemblies may be utilized on any site that one can use rock aggregate and pipe which meet the following criteria:

A. Sites which are classified as Suitable or Provisionally Suitable for a conventional nitrification field system in accordance with 15A NCAC 18A .1948(a) or (b).

B. Sites which have been reclassified as Provisionally Suitable in accordance with 15A NCAC 18A .1956(1), (2), (4), (5), (6), and (7).

C. Sites which meet the criteria for new or existing fill in accordance with 15A NCAC 18A .1957(b). The provisions of Rule .1957(b) are applicable whenever any portion of the chamber in a nitrification system extends into fill material. There shall be no reduction in trench length compared to a conventional gravel trench as computed per Rule .1955 (sizing for all models shall be based on minimum excavated trench width in Table III, Section IV.C of this Approval, without the application of an Equivalency Factor). This reference to "fill material" applies to the site fill

and not the backfill placed between the trench and the chamber sidewall.

Table I –Chamber Dimensions

| Model | Height (in) | Invert[1] Height (in) |
|---|---|---|
| Standard and Standard SideWinder | 12.3 | 6.9 |
| Standard SC and Standard SideWinder SC | 12.3 | 6.9 |
| Quick4 Standard | 12.5 | 8.0 |
| Quick4 Plus Standard | 12.0 | 5.3 or 8.0 |
| Quick4 Standard-W | 12.5 | 8.0 |
| High Capacity and High Capacity SideWinder | 15.9 | 10.2 |
| Quick4 High Capacity | 15.9 | 11.5 |
| Equalizer 36 | 13.6 | 6.0 or 9.0 |
| Quick4 Equalizer 36 | 12.5 | 1.25, 6.0, 9.0, or 10 |
| Quick4 Equalizer 24 | 11.0 | 1.25, 6.0, 9.0, or10.0 |
| Standard | 11 | 6 |
| Arc 36 | 13 | 6 |
| Bio 3 | 12.38 | 6 or 11.75 |
| Arc 24 | 12 | 6 or 12 |
| Arc 36HC | 16 | 10.5 |

[1]Invert Height is for a 4-inch diameter Schedule 40 PVC Pipe

D. The required vertical separation shall be measured from the bottom edge of the chamber.

E. Where required by soil or site conditions and approved by the local health department, chamber systems may be installed in lieu of conventional gravel trenches at depths deeper than 36 inches up to a maximum of 60-inches, as measured from the base of the trench. There shall be **no reduction in trench length** compared to a conventional gravel trench as computed per Rule .1955 for chamber systems installed greater than three feet deep (sizing for all models shall be based on minimum excavated trench width in Table III, Section IV.C of this Approval, without the application of an Equivalency Factor). **Furthermore, for trench depths between 48 and 60 inches, only "high capacity" models installed in a 36-inch wide trench shall be used, unless an advanced pretreatment system is used pursuant to Rule .1970.** Deep installation details shall be in accordance with Infiltrator's North Carolina Design and Installation Manual, including special provisions to assure compliance with federal and state safety procedures for underground excavations.

IV. System Sizing

A. The maximum long-term acceptance rate (LTAR) shall be as follows:

Table II – LTAR for Chambers

| Textural Group | | LTAR (gpd/sq ft) | |
|---|---|---|---|
| | | Natural Soil | Saprolite |
| Soil/Group I (Sands) | Sands | 0.8-1.0* | 0.6-0.8 |
| | Loamy Sand | | 0.5-0.7 |
| Soil Group II (Coarse Loams) | Sandy Loam | 0.6-0.8 | 0.4-0.6 |
| | Loam | | 0.2-0.4 |
| Soil Group III (Fine Loams) | Silt Loam | 0.3-0.6 | 0.1-0.3 |
| | Other Fine Loams | | NA |
| Soil Group IV | Clays | 0.1-0.4 | NA |

* For sites where the LTAR exceeds 1.0 gpd/sq ft, use 1.0 gpd/sq ft.

B. The LTAR shall be based on the most hydraulically limiting naturally occurring soil horizon within three feet of the ground surface or to a depth of one foot below trench bottom, whichever is deeper.

C. To determine the total trench bottom area ($ft^2$) required, the design daily sewage flow shall be divided by the applicable LTAR shown in Table II above. The minimum linear footage for chamber systems shall be determined by dividing the total trench bottom area by the following equivalency factors:

Table III –Trench Width and Equivalency Factors

| Product | Excavated Trench Width (inches) | Equivalency Factor*, ** (SF/LF) |
|---|---|---|
| Quick4 Standard | 36 | 3.8 |
| Quick4 Plus Standard | 36 | 4.0 |
| Quick4 Standard-W | 36 | 4.00 |
| Standard | 36 | 4.00 |
| Standard SC | 36 | 4.00 |
| Standard Sidewinder | 36 | 4.00 |
| Standard Sidewinder SC | 36 | 4.00 |
| High Capacity | 36 | 4.00 |
| High Capacity SideWinder | 36 | 4.00 |
| Quick4 High Capacity | 36 | 4.00 |
| Equalizer 36 | 24 | 3.00 |
| Quick4 Equalizer 36 | 24 | 3.00 |
| Quick4 Equalizer 24 | 18-24 | 2.00 |
| Standard | 36 | 4.00 |
| Arc 36 | 36 | 4.00 |
| Arc 36HC | 36 | 4.00 |
| Bio 3 | 24 | 3.00 |
| Arc 24 | 24 | 3.00 |

* Reduction in nitrification trench length allowed by use of these Equivalency Factors, as compared to sizing requirements delineated in Rule .1955 for conventional systems, apply only to drainfields receiving effluent of domestic strength or better quality. Any proposed use of the system for facilities producing higher strength wastewater shall be sized in adherence with conditions set forth in Rule .1969(m).

** When advanced pretreatment pursuant to Rule .1970 is used to gain a trench length reduction or LTAR increase, system sizing shall be initially based on the minimum excavated trench width in this Table without use of an Equivalency Factor.

Example:

Three bedroom residence with a design daily sewage flow of 360 gallons on a sandy clay loam (Group III) soil

Total computed trench bottom area is:

360 gpd/0.5 LTAR = 720 $ft^2$

The required linear footage for Standard Infiltrator chamber system is:

720 $ft^2$/4.0 ft = 180 linear ft

Where 4.0 ft. is the equivalency factor for the Infiltrator Standard chamber system

D. The sizing for the chamber end cap and mid-line connection systems shall be determined by the equivalency factors in Table IV.

Table IV – Equivalency Factors for Endcap Systems and Mid-Line Connections

| Product | Excavated Trench Width (inches) | Approved Chamber Equivalency Factor Linear Foot Basis[1] (sf/lf) | Linear Feet of Chamber Credit per Pair when Placed at Ends of Chamber Line (lf)[2] | Linear Feet of Chamber Credit per Unit when Placed as a Mid-Line Connection (lf) |
|---|---|---|---|---|
| Quick4 Standard MultiPort Endcap | 36 | 4.0 | 1 | NA |
| Quick4 Plus Standard All-in-One 12 Endcap | 36 | 4.0 | 2 | 1[3] |
| Quick4 HC MultiPort Endcap | 36 | 4.0 | 2 | NA |
| Quick4 EQ 36 MultiPort Endcap | 24 | 3.0 | 1 | NA |
| Quick4 EQ 24 MultiPort Endcap | 18-24 | 2.0 | 1 | NA |
| Arc 36 SPC and SPC Endcap | 36 | 4.0 | 2 | 1[4] |
| Arc 36HC SPC and SPC Endcap | 36 | 4.0 | 2 | 1[4] |

[1] Actual linear-foot equivalency rating of compatible chamber part.
[2] Must install two (2) end cap parts to get approved linear feet of chamber credit.
[3] Single end cap part installed within chamber line receives one (1) linear foot of chamber credit.
[4] Single Side Port Coupler installed within chamber line receives one (1) linear foot of chamber credit.

E. The minimum area (without reduction or equivalency factor) for a bed system shall be determined as required in 15A NCAC 18A .1955(d) except that the chambers shall be placed in rows next to each other.

F. The available space requirements of Rule .1945 shall be met, and this approved innovative system may be designated as the required replacement system.

V. Special Site Evaluation

A special site evaluation may be required based on the proposed ground absorption system. Refer to

Rule .1970(p).

VI. Design Criteria

Refer to Siting Criteria (Section III) and Installation (Section VII) for design details.

VII. Installation

A. The chamber system used in nitrification trenches shall be installed according to the minimum and maximum dimensions in Table V.

Table V –Installation Requirements

| Model | Maximum Trench Width (in) | Minimum Trench Depth (in) | Minimum Trench Spacing (ft on center) | Minimum Soil Cover (in) |
|---|---|---|---|---|
| Standard | 36 | 24 | 9 | 12 |
| Standard SideWinder | 36 | 24 | 9 | 12 |
| Quick4 Plus Standard, Quick4 Standard, Quick4 Standard-W, and Standard SC | 36 | 18 | 9 | 6 |
| Standard SideWinder SC | 36 | 18 | 9 | 6 |
| High Capacity and High Capacity SideWinder | 36 | 30 | 9 | 12 |
| Quick4 High Capacity | 36 | 22 | 9 | 6 |
| Equalizer 36 | 24 | 19.5 | 7 | 6 |
| Quick4 Equalizer 36 | 24 | 18.5 | 7 | 6 |
| Quick4 Equalizer 24 | 24 | 17 | 6 | 6 |
| Standard | 36 | 17 | 9 | 6 |
| Arc 36 | 36 | 19 | 9 | 6 |
| Arc 36HC | 36 | 22 | 9 | 6 |
| Bio 3 | 24 | 18.4 | 7 | 6 |
| Arc 24 | 24 | 18 | 7 | 6 |

B. The inlet to the chamber shall be in the uppermost portion of the specially molded inlet panel ("end cap"). For dosed systems receiving effluent from a pump or siphon, manufacturer's installation procedures shall be followed, including provisions to dissipate inflow rate so as to minimize soil scouring and modifications that enable the presence and effectiveness of these provisions to be field-verified.

C. Backfill shall be placed between the trench and chamber sidewall to a minimum compacted (carefully walked in) height that is equal to the top of the chamber louvers. Chamber systems can be installed utilizing native soil backfill (Group I, II, III, or IV). Backfill shall be free of trash or debris. The area adjacent to louvers shall be free of large (8"or greater) clods that do not break apart during the walk in procedure. The latest version of the manufacturer's installation procedure shall be followed. The Standard, Standard SideWinder, High Capacity, High Capacity SideWinder and Quick4 Equalizer 24 chamber models require additional soil backfill (Group I, II, III, or IV) to a minimum compacted cover of 12 inches is required above the chamber. The Quick4

Standard, Quick4 Plus Standard, Quick4 Standard-W, Standard SC, Standard SideWinder SC, Equalizer 36, Quick4 Equalizer 36, Quick4 High Capacity,Quick4 Equalizer 24, BioDiffuser Standard, Arc 36, Arc 36HC, Bio 3, and Arc 24 chamber models may be installed with a minimum compacted cover of 6 inches (shallow placement) when the following conditions are met:

1. Quick4 Standard, Quick4 Plus Standard, Quick4 Standard-W, Standard SC, Standard SideWinder SC, Quick4 High Capacity, Quick4 Equalizer 24, Equalizer 36, Quick4 Equalizer 36, BioDiffuser Standard, Arc 36, Arc 36HC, Bio 3, or Arc 24 chamber units are used;
2. The person installing or constructing the system is certified (documented) by Infiltrator Water Technologies, LLC or its authorized representative as specially trained and qualified to install chamber units;
3. The person installing the chamber system shall produce certification documentation upon the request by the State or local health department.
4. When installing the chambers in shallow placement (6 inches of soil cover) in Group I (sand) soils (including specially constructed Infiltrator Contour Wedge and Swivel units), the installer shall carefully follow the manufacturer's installation guideline for shallow placement.

Vehicular traffic or construction equipment may traverse the chamber system only when the load is bridged over the trench so as not to disturb the chambers. The load may be bridged with a minimum of six inches of compacted soil cover over shallow chamber models (Quick4 Standard, Quick4 Standard-W, Standard SC, Standard SideWinder SC, Quick4 High Capacity, Equalizer 36, Quick4 Equalizer 36, Quick4 Equalizer 24, BioDiffuser Standard, Arc 36, Arc 36HC, Bio 3, and Arc 24) and a minimum of 12 inches of compacted soil cover over other chamber models.

D. Infiltrator Swivel units (EQ36 Swivel and Standard Contour Swivel) shall be installed on undisturbed soil which is level with the adjacent drainfield trench bottoms. The installer shall be responsible for compacting the trench bottom beneath the Swivel units according to the manufacturer's guidelines when the units are installed in Group I (sand) soil. Backfill for the Swivel units shall be hand-compacted (carefully walked in) up to the top of the adjacent chamber units. Backfill shall be native soil (Group I, II, III, or IV). Backfill for the Swivel units shall be free of trash or debris and clods larger than 3" which do not break apart during the hand-compaction procedure.

E. Chamber trenches shall be constructed level in all directions with a plus or minus one-half-inch tolerance from side-to-side and maximum fall in a single trench bottom not exceeding one-fourth inch in 10 feet end-to-end for any continuous contoured segment. Trenches shall follow the contour of the ground surface elevation (uniform depth). Trenches shall be constructed with continuous interlocking chambers, including appurtenances, without any dams, stepdowns or other water stops.

F. Chamber systems installed on a sloping site may use distribution devices or stepdowns as described in 15A NCAC 18A .1955(j) and (l) when it is necessary to change level nitrification line segments from upper to lower elevations. The Multi-Port end cap of the Quick4 model chambers may be used as a stepdown by making the cross-over out of one of its upper pre-marked ports (8-inches above the bottom of the end cap) and conveying effluent through a solid pipe segment installed on a positive downhill grade down to the next lower trench in series. The pre-marked ports on the top of chambers may be used to receive effluent from an upper trench by a cross-over pipe. Stepdown installation details shall be in accordance with Infiltrator's North Carolina Design and Installation Manual.

G. After installation of chambers in trench or bed configuration, a filter fabric barrier shall be installed to cover the chambers (except Quick4 Chamber models) if chambers are installed in uncompacted, fine or very fine uniform sand and at least one of the following conditions are present.
   1. Installations are left uncovered and subject to a major rain event.
   2. Systems are subject to not being sodded (or stabilized) in a timely manner after final cover-up has occurred.
   3. The drainfield is not protected from surface drainage.

   The filter fabric shall be non-woven, weight 0.35 oz./s.y. to 1 oz./s.y., have apparent opening size (AOS) 20-30 U.S. Sieve (ASTM D-4571), or alternate with equal or better performance characteristics. An alternate fabric shall be approved in writing by the manufacturer on a case-by-case basis.

H. Manufacturer's installation instructions for the applicable chamber system used in septic tank systems shall be followed except as required herein or 15A NCAC 18A .1900 et.seq.

I. All chamber systems shall be installed by a contractor or installer appropriately certified in writing by the manufacturer or its authorized representative.

J. All chamber systems shall be installed with compatible end caps at the inlet and distal ends of each chamber row.

VIII. Operation, Maintenance, and Monitoring

Chamber systems shall have a minimum classification as a Type IIIg system (other non-conventional trench systems) in accordance with Table V(a) of 15A NCAC 18A .1961(b).

IX. Responsibilities and Permitting

Prior to the installation of the approved chamber nitrification trench system at a site, the owner or owner's agent shall fill out an application at the local health department for the proposed used of this system. The local health department shall issue an improvement permit or Construction Authorization or amend a previously issued Construction Authorization allowing the use of a chamber nitrification trench system. Use of the proposed innovative system and any conditions shall be described in the construction authorization or amended construction authorization, as applicable. Such information shall also be described on the operation permit to be issued upon the acceptable completion of the system installation.

X. Repair of Systems

The provisions of 15A NCAC 18A .1961(l) shall apply to the use of chamber systems for repairs to existing malfunctioning septic tank systems.

Approved by:_____ Date:_____

21444 1

# 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)*

1. APPLICATION FOR: ___Improvement Permit ___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* ___Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

| Applicant Name | Mailing Address | Home Phone # | Alternate Phone # |
|---|---|---|---|
| Raymond Turner | 121 E Memorial Hwy Harmony, NC 28634 | (704) 902-7216 | (704) 657-0411 |
| Owner Name | Mailing Address | Home Phone # | Alternate Phone # |
| | | | |

4. Property Information:

| Street Address | Subdivision Name | Section/Phase and Lot Number |
|---|---|---|
| 519 Elmwood Rd | | |

Driving Directions: 8th House on the right heading North on past Longview Rd

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

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

Maximum Number of Bedrooms 3
Maximum Number of Occupants 2
If Expansion, Current Number of Bedrooms ___

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

IF Non-Residential Site Development: Type of Business _____
Square Footage of Building _____
Maximum Number of Employees _____
Maximum Number of Seats _____

6. Proposed Water Supply:

( ) New Well ( ) 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 (✓) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other_____

8. Please Answer The Following To The Best of Your Ability: ( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes ( ) 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: Raymond Turner
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

6-28-16
DATE

**IREDELL COUNTY HEALTH DEPARTMENT**
JANE MURRAY, RN BSN MS
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

**Voluntary Relinquishment of Administrative Appeal Rights**
**(Completion of Form by Property Owner)**

10/13/2017 (Date)

Owner: Raymond Turner
Address: 115 Hamby Lane Statesville NC 28625

Subject: Voluntary Relinquishment of Administrative Appeal Rights

(specify Permit ID/owner's name/property location/site legal description):
Type III - Conventional / Raymond Turner / 519 Elmwood RD Statesville NC

I, Raymond Turner, voluntarily relinquish my rights to pursue a formal appeal through the Office of
(print full name)

Administrative Hearings pursuant to NC General Statute 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B for the above referenced permit in order for the authorized agent/local health department to issue the applicable permit (new IP and/or CA) for the site. I understand by completing this form the previous permit issued on 8/22/2016. for a system
(date)
Type III Conventional
(system name)

for the site will be "revoked" immediately by the authorized agent/local health department.

Raymond Turner
Signature of Property Owner

**Central Office**
318 Turnersburg Hwy
Statesville, NC 28625
704 878-5300

**Mooresville Office**
610 E. Center Avenue
Mooresville, NC 28115
704 664-5281

**Environmental Health**
349 N. Center Street
Statesville, NC 28677
704 878-5358

http://www.co.iredell.nc.us/Departments/Health/

# IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 219497

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

PIN # 4784-03-4759

APPLICANT: Raymond Turner APPLICANT ADDRESS: 115 Hamby Lane Statesville, NC 28625

SITE ADDRESS: 519 Elmwood Rd. Statesville, NC 28625 PHONE: 704-902-2216 ALT. PHONE:

SITE DIRECTIONS: Rt. 70 E from Statesville → L on Triplett Rd → R on Salisbury Highway → L on Elmwood Rd → 2.5 miles on Right

SUBDIVISION: — SECTION: — LOT # — LOT AREA: 1.505 acres DESIGN FLOW: 360 GPD L.T.A.R.: 0.30

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 | (gal) | STB | | Date | | | | |
| Pump Tank | — | (gal) | PT | — | Date | — | | | |
| Pump Make | — | | Model | — | Serial # | — | | | |
| # Nitrification Fields | 1 | | # Lines | 6 | Linear Ft: | 400 | | | |
| Trench Width | 36 | | Max. Trench Bottom Depth | 50" | Gravel Depth | — | | | |

☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI

System Description: Conventional - serial distribution

Repair System Description: Conventional

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

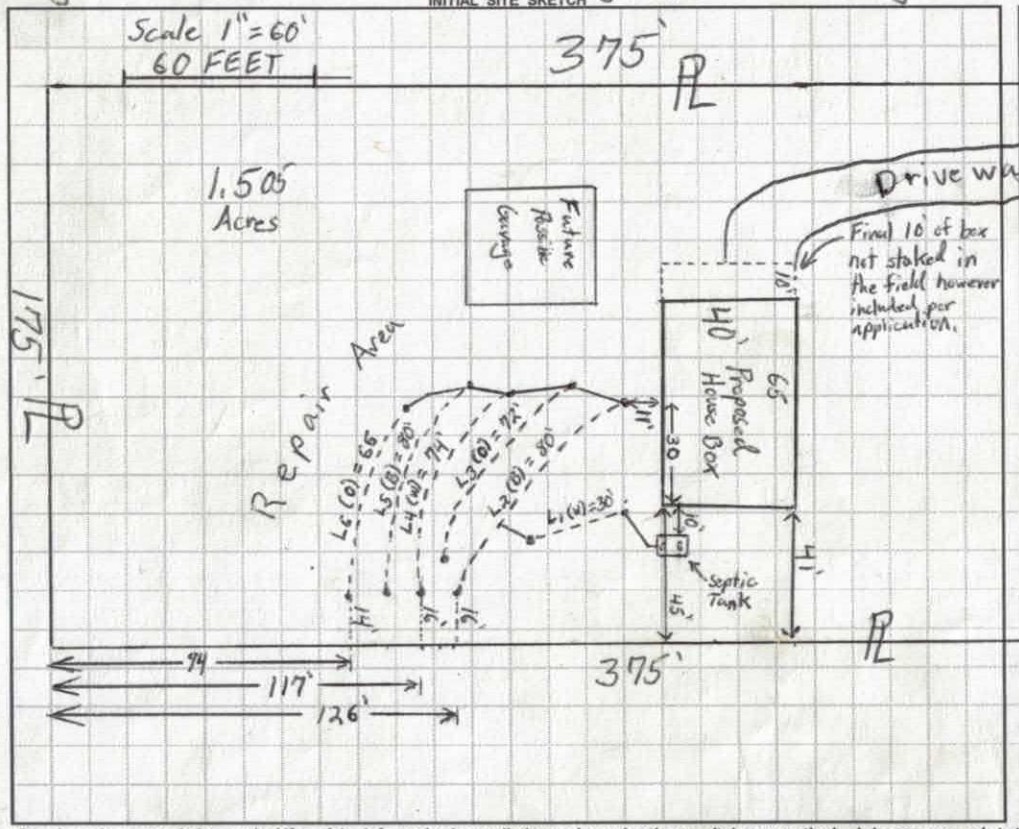
☒ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/plumbing

No. Bedrooms 3 No. Persons 6 No. Employees — ☒ Crawl Space ☐ Basement w/o plumbing

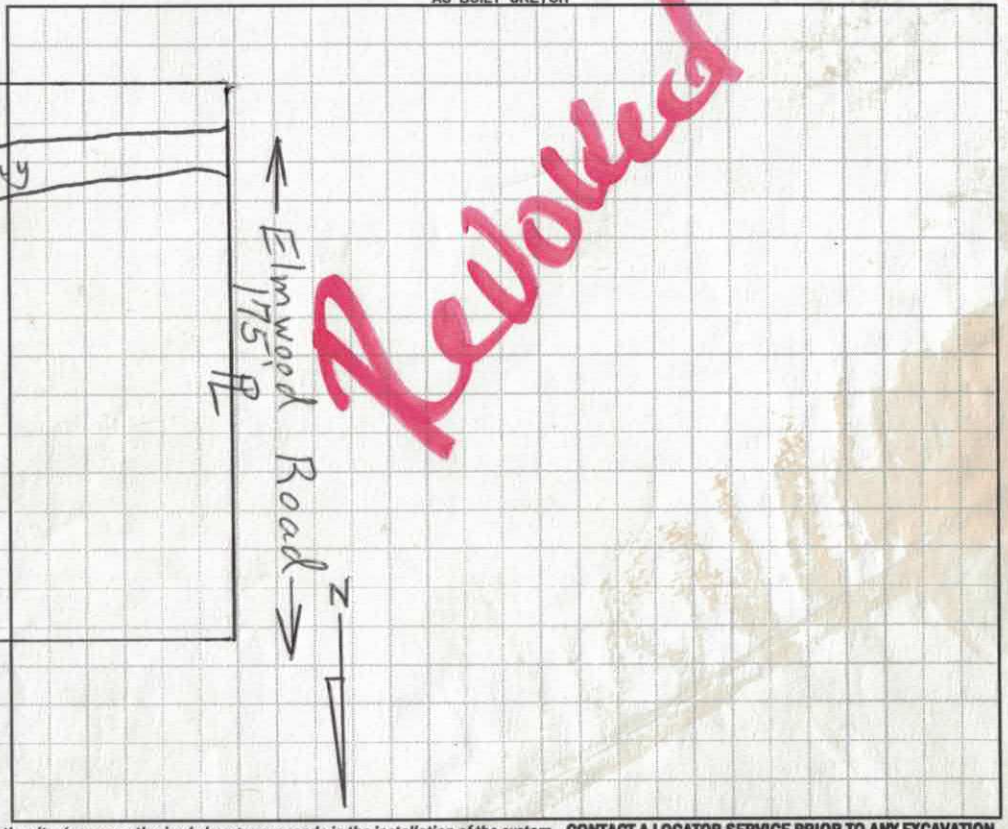
Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Follow all N.C. septic rules. 25% reduction materials may be used for drainfield construction that are approved for the installation depth, however no square footage reduction may be taken. Recommend pumping septic tank every 3-5 years. Saprolite controlled primary + repair septic areas.

INITIAL SITE SKETCH




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.* ☒ **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: Raymond Turner (by Bryan) Date: 1-17-17 Installed by:

IMPROVEMENT PERMIT by: Tom Shuck Date: 8-22-16 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: 1/17/17 Existing System Inspected by: Date:

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

a14441

# IREDELL COUNTY HEALTH DEPARTMENT

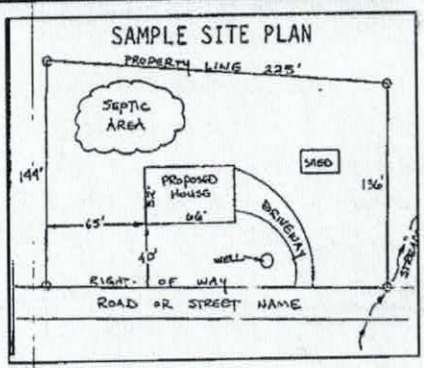
*ENVIRONMENTAL HEALTH DIVISION*

PAGE 2: *SITE PLAN WORKSHEET*

**SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!***

Place an (X) beside each item as you complete the site plan:

( ) Property Line measurements are clearly identified
( ) All proposed structures are indicated
( ) Front and side setbacks from property line
( ) Preferred driveway location and well location
( ) Area you prefer your septic system to be placed
( ) North arrow, or other sufficient indicator of direction




Circle N/A on the following if appropriate:

| | |
|---|---|
| Location of septic systems and wells within 100' of your property | N/A |
| Location of easements and rights of ways on your property | N/A |
| Location of any designated wetlands on the property | N/A |

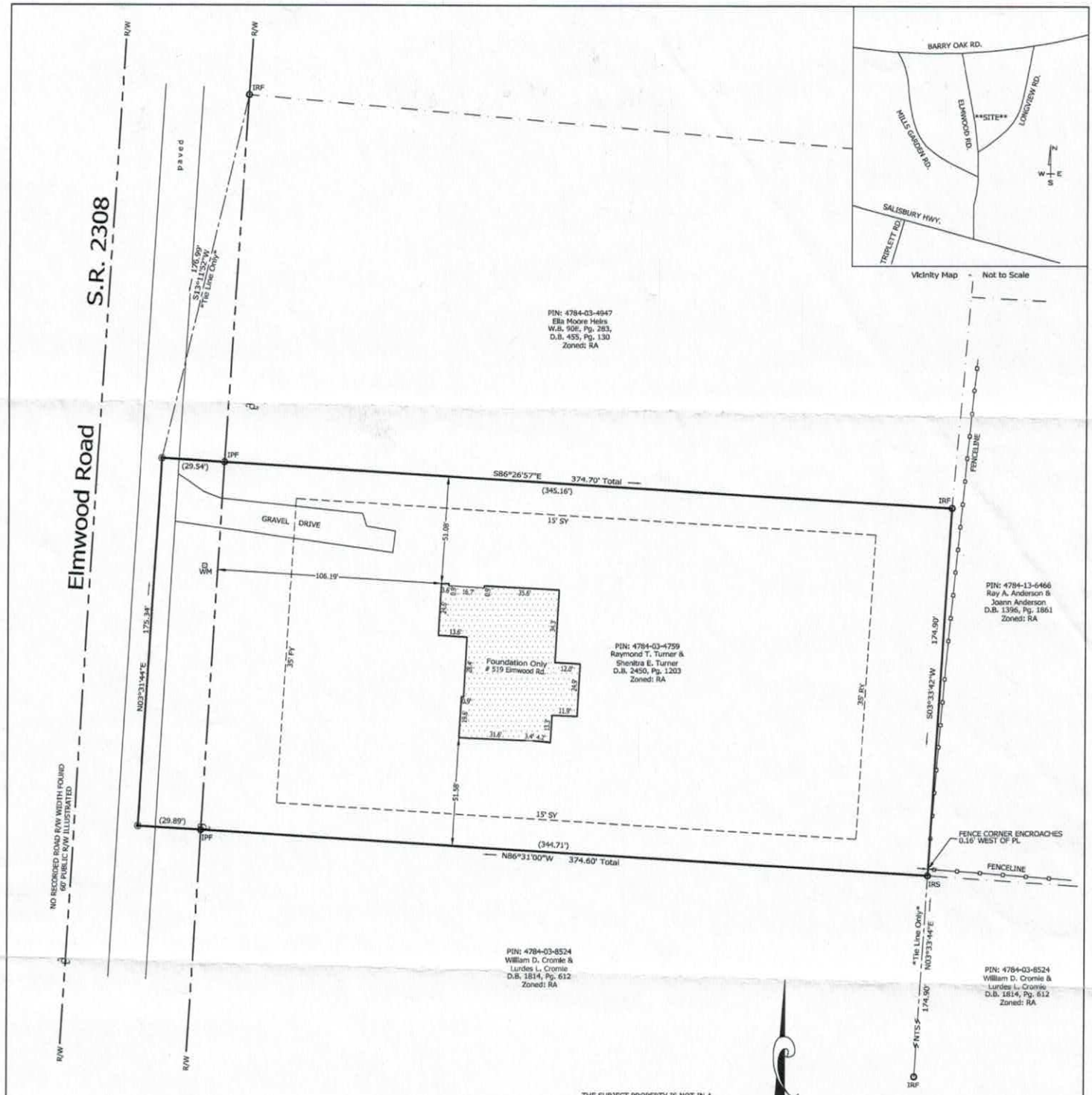
## USE THIS SPACE TO DRAW YOUR SITE PLAN

*Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site*




**Signature:** Ronald Sunna
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

6-28-16
DATE




THE SUBJECT PROPERTY IS NOT IN A "SPECIAL HAZARD AREA" AS SHOWN ON HUD/FIA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 3710478400K EFFECTIVE DATE 6/16/2009.

Total Area: 65,607.29 sq. ft. 1.506 acres

## SURVEYOR CERTIFICATION

Notice:

This survey was prepared without the benefit of a title abstract and is made subject to any discrepancies which may be disclosed by a thorough and accurate title search.

All Areas shown are by Coordinate Computation Method.

I, MATTHEW I. GRANT, PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY PERFORMED UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK 2450, PAGE 1203, ETC.) (OTHER); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK _____, PAGE _____; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000; THAT THIS PLAT WAS PREPARED IN ACCORDANE WITH G.S. 47-30 AS AMENDED.

Witness my seal and signature this day, 23, March 2017.

NORTH CAROLINA PROFESSIONAL SEAL L-5208 LAND SURVEYOR MATTHEW I. GRANT

Matthew I. Grant, P.L.S. License #5208

LEGEND:

IRS - IRON REBAR SET
IRF - IRON REBAR FOUND
IPF - IRON PIPE FOUND
NTS - NOT TO SCALE
PL - PROPERTY LINE
WM - WATER METER
R/W - RIGHT OF WAY
- POWER POLE
- COMPUTED POINT

Zoning:

Property is zoned: RA - Iredell County Zoning Jurisdiction.

Property is subject to a 35' Front Yard (FY), 15' Side Yard (SY) & 35' Rear Yard (RY) - minimum building setback line per Iredell County Registry.

NOTES:

PROPERTY SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.

PROPERTY SUBJECT TO EASEMENTS AND RIGHTS OF WAY OF RECORD AND THOSE NOT OF RECORD, IF ANY EXIST.

AREA BY COORDINATE COMPUTATION.

PROPERTY MAY BE SUBJECT TO GOVERNMENTAL ORDINANCES, ZONING AND OTHER REGULATIONS CONCERNING THE DIVISION AND DEVELOPMENT OF REAL ESTATE.

NO SUBTERRANEAN SURVEY PERFORMED AT THIS SITE.

GRAPHIC SCALE

30 0 15 30 60

( IN FEET )

1 inch = 30 ft.

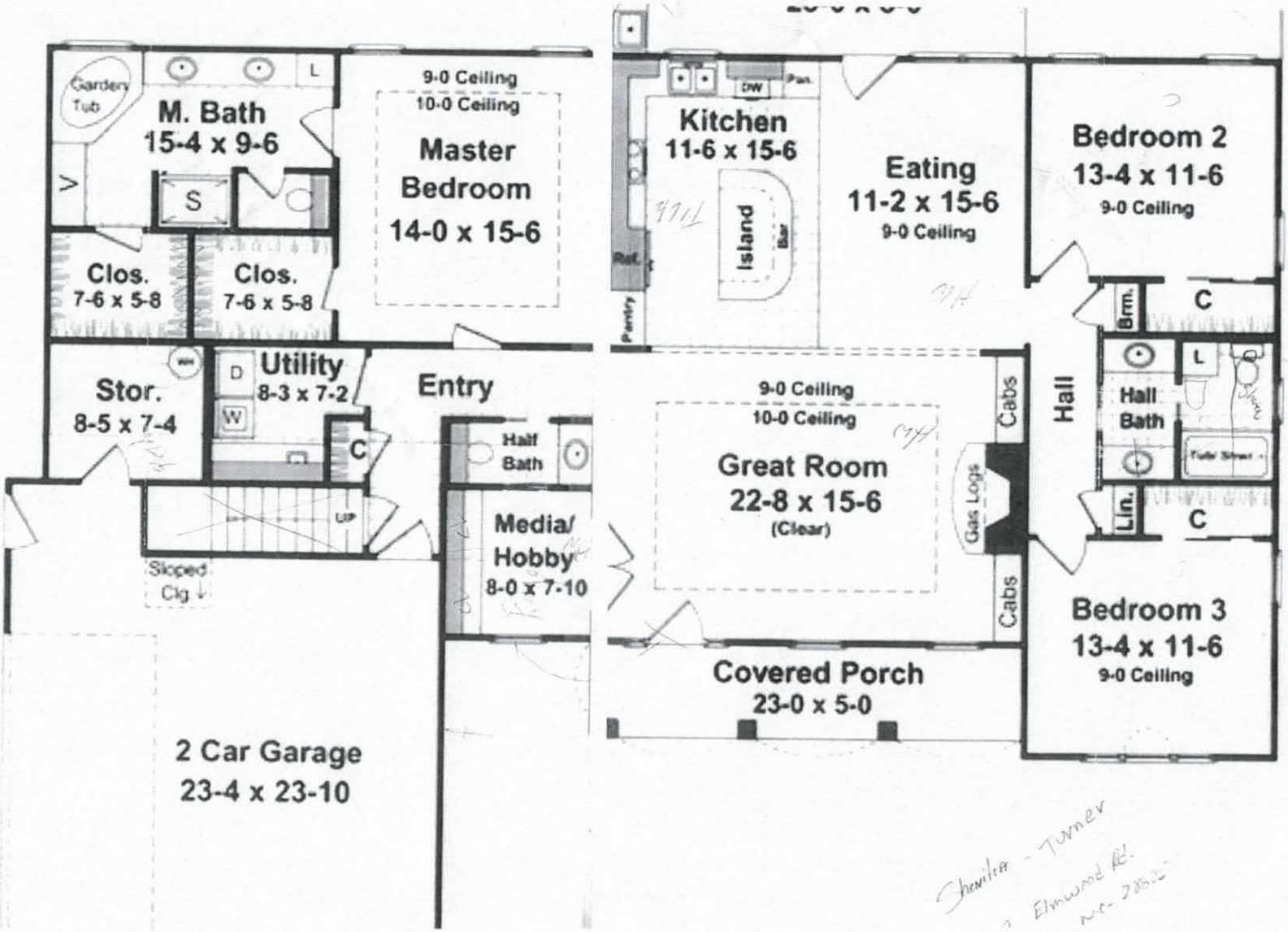
JORDAN GRANT

ENGINEERING • SURVEYING • PLANNING

JORDAN GRANT & ASSOCIATES, PLLC
P.O. BOX 151 * STATESVILLE, NC 28687
mattg@jordan-grant.com (704) 928-7919
FIRM # P-1227

| | |
|---|---|
| JOB NAME: | *Raymond T. Turner & Shenitra E. Turner* |
| DRAWN BY: SMS | CHECKED BY: MIG |
| SCALE: 1"=30' | |
| DEED REF: 2450-1203 | PIN NO: 4784-03-4759 |
| DATE OF MAP: 03-16-17 | SURVEY DATE: 03-14-17 |
| REVISION: | DRAWING FILE: 20160801 |

519 ELMWOOD ROAD - STATESVILLE, N.C. 28625
CHAMBERSBURG TOWNSHIP — IREDELL COUNTY — NORTH CAROLINA




Shanita - Turner
Elmwood Rd.
N.C. 28025

# IREDELL COUNTY

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

| APPLICATION NUMBER |
|---|
| 219497 |
| Issue Date: 06/10/2016 |

**ZONING PERMIT**
Open Space

| Parcel Number | Street Address | Jurisdiction |
|---|---|---|
| 4784034759.000 | 519 ELMWOOD ROAD, STATESVILLE, NC 28625 | IREDELL COUNTY |

| Owner Information | Applicant Information |
|---|---|
| Owner: RAYFORD BAILEY T+JIMMY H JR | Applicant: TURNER, RAYMOND |
| Address: 911 BRIGHT BEAM CT<br>STATESVILLE, IN 46074 | Address: 115 HAMBY LANE<br>STATESVILLE, NC 28625 |
| Phone: | Phone: 704-902-2216 |

| Use Requested | Zone Code |
|---|---|
| SFD | RA |

| Lot Acreage | F Setback | B Setback | L Setback | R Setback | Watershed | Flood Zone |
|---|---|---|---|---|---|---|
| 1.505 | 35.00 | 35.00 | 15.00 | 15.00 | NOT | X |

**Remarks:**

$ PAID

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.

*See Attached*

Applicant: _____ Date: _____

| Permit Number | 71297 | TOTAL FEES: | $ 77.25 |
|---|---|---|---|