



North Carolina Onsite Wastewater Contractor Inspector Certification Board  
Authorized Onsite Wastewater Evaluator Permit Option for Non-Engineered Systems  
Notice of Intent (NOI) to Construct

☒ New ☐ Expansion ☐ Repair ☐ Relocation ☐ Relocation of Repair Area

Owner or Legal Representative Information:

Name: MATTAMY HOMES LLC  
Mailing address: 11000 REGENCY PARKWAY City: CARY State: NC Zip: 27518  
Phone: 919-233-3886 Email: PAUL@PLANSREVIEW@MATTAMY.COM

Authorized Onsite Wastewater Evaluator Information:

Name: DAVID E. MEYER Certification #: 10037E  
Mailing address: 4114 LAUREL POLE DRIVE City: RALEIGH State: NC Zip: 27612  
Phone: 919-210-6547 Email: PROTOCOLSAMPLING@YAHOO.COM

Site Location Information:

Site address: 81 CAMABELLA DRIVE (LOT 3)  
Tax parcel identification number or subdivision lot, block number of property: 0635-97-9958  
County: HARNETT

System Information:

Wastewater System Type: ID  
Daily Design Flow: 400 GPD  
Saprolite System: ☐ Yes ☒ No Subsurface Operator Required: ☐ Yes ☒ No  
Water Supply Type: ☐ Private Well ☒ Public Water Supply ☐ Spring ☐ Other: \_\_\_\_\_

Facility Type:

☒ Residential 4 # Bedrooms 8 Maximum # of Occupants  
☐ Business Type of Business and Basis for Flow: \_\_\_\_\_  
☐ Public Assembly Type of Public Assembly and Basis for Flow: \_\_\_\_\_

Required Attachments:

☒ Plat or Site Plan  
☒ Evaluation of Soil and Site Features by Licensed Soil Scientist

Attest: On this the 19<sup>th</sup> day of SEPT., 2025 by signature below I hereby attest that the information required to be included with this NOI to Construct is accurate and complete to the best of my knowledge. Furthermore, I hereby attest that I have adhered to the laws and rules governing onsite wastewater systems in the state of North Carolina.  
This NOI shall expire on 19<sup>th</sup> day of SEPT., 2026.

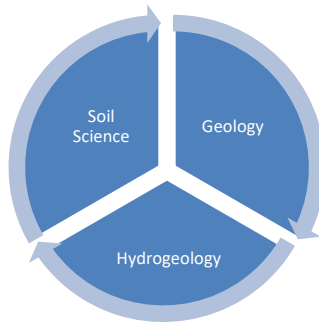
Signature of Authorized Onsite Wastewater Evaluator: [Signature]

Signature of Owner or Legal Representative: Drew Brody

Disclosure: The owner may apply for a building permit for the project upon submitting a complete NOI to Construct and the fee required (if any) to the local health department. An onsite wastewater system authorized by an authorized onsite wastewater evaluator shall be transferable to a new owner with the consent of the authorized onsite wastewater evaluator.

Local Health Department Receipt Acknowledgement:

Signature of Local Health Department Representative: \_\_\_\_\_ Date: \_\_\_\_\_



4114 Laurel Ridge Drive  
Raleigh, North Carolina 27612

Protocol Sampling Service, Inc.  
"Experts in Environmental Compliance"  
(919) 210-6547

Protocolsampling@yahoo.com  
Environmentalservicesnc.com

September 19, 2025

Mr. Drew Brody, Senior Operations Coordinator  
Mattamy Homes LLC  
11000 Regency Parkway  
Cary, NC 27518  
Phone: 919-233-3886  
Email: [raleighplanreview@mattamycorp.com](mailto:raleighplanreview@mattamycorp.com)

**RE: G.S. 130A-336.2 AOWE**  
**Lot 3, Clarabella Subdivision (0.58 Acres)**  
**81 Clarabella Drive**  
**PIN #: 0635-97-9958**  
**Fuquay Varina, Harnett County, North Carolina 27526**

Dear Mr. Brody:

Per your request, I evaluated the above referenced lot for its suitability to accommodate an on-site wastewater disposal system (i.e., septic tank system) to serve a 4-bedroom home. The soil evaluation was performed in accordance with the "Laws and Rules for Sewage Treatment, and Disposal Systems, Article 11, Chapter 130A of NCGS 15A NCAC 18A .1900 et seq." (i.e., 15A NCAC 18E).

Your major request is to obtain the Improvement Permit/Construction Authorization portions of the permitting process from the Harnett County Health Department. You wish to expedite the permitting process by requesting this Licensed Soil Scientist evaluation and report submitted pursuant to G.S. 130A-336.2 AOWE.

The soils consist of loamy sands and sandy clay loam over sandy clay deeper in the profiles. Redoximorphic activity was observed with soil wetness mottle indicators of gray colors of chroma 2 or less (Munsell Chart) at 30-40" in both the initial and repair system areas. It was determined that is a sufficient amount of Suitable Group III soils available in the study area for the installation of the initial and repair gravity-fed Accepted systems to serve a daily flow of 480-gpd at a Long-Term Acceptance Rate (L.T.A.R.) of 0.45 gpd/ft<sup>2</sup>. Refer to the soil evaluation profile data sheet attached for more detailed soils information.

The initial system will need (3) 90' x 3' chamber (12") technology with 25% reduction installed at 24" below grade (maximum), and the repair system will need (5) 55' x 3' chamber (12") technology with 25% reduction installed at 18" below grade. Soil cover must be maintained by seeding and straw thatching. Divert all downspouts and surface water run-off around the system. Refer to the attached Plans and Specification sheet for more detailed information. A septic tank diagram and chamber product information with the state approved summary is attached.

In closing, this report, site plan, and septic system design with attachments are being submitted to obtain the Notice of Intent to Construct (NOI) upon review by the Harnett County Health Department's Environmental Health Section. If further information is needed, please let me know as soon as possible.

This LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-336.2 AOWE.

Please call me at (919) 210-6547 if you have any questions or need further assistance.



David E. Meyer, N.C.L.S.S.  
Soil Scientist/President



PLANS AND SPECIFICATIONS FOR INSTALLATION AND MAINTENANCE FOR:

**Mattamy Homes PIN 0635-97-9958**

**Lot 3**

**81 Clarabella Drive**

**Fuquay Varina, Harnett County, NC 27526**

This Licensed Soil Scientist Evaluation is being submitted pursuant to and meeting the requirements of **G.S. 130A-336.2 AOWE**.

Soil/site evaluation and on-site wastewater system layout/design services were performed on the above referenced parcel to serve a **4-bedroom home** with a projected daily wastewater flow of 480 gallons. Evaluations were conducted in accordance with "N.C. Laws and Rules for Sewage Treatment, and Disposal Systems, Article 11, Chapter 130A of NCGS 15A NCAC 18A.1900 et seq." (i.e., 15A NCAC 18E).

A. Septic Tank Size

1000 gallons NC state approved (STB 103 or equiv.)

Must have effluent filter in septic tank

Septic contractor must inspect before installing.

B. Nitrification Trenches: Initial System

Use Innovative Wastewater Approval No: IWWS-1993-2-R17 12" Quick 4 Plus Standard Chamber System.

(3) x 90' x 3' trenches on 9' center contours

Install at 18" (max.).

Install in dry weather only.

No construction traffic shall be on the system area.

A 6" soil cover must be placed and maintained on the field by diverting surface water around area. Proper seeding and straw thatching are required.

C. Distribution

Use serial distribution using end cap side entrance ports with splash plates.

D. Take special care for underground utilities and water lines. Water lines must clear the initial and repair area 10' minimum. Run the water lines and any other utilities up the driveway.

E. Maintenance

Keep system area protected and mowed.

Septic tank should be pumped about every 3-5 years and the effluent filter cleaned at that time.

A garbage disposal may require more frequent pumping out of the septic tank. No used oils are to be disposed of in the septic tank. No chemical additives are to be discharged to the septic tank.

F. L.T.A.R.

0.45 gpd/ft<sup>2</sup> for initial and repair area.

G. Repair Area

Use Innovative Wastewater Approval No: IWWS-1993-2-R17 12" Quick 4 Plus Standard Chamber System.

(5) x 55' x 3' trenches on 9' center contours

Install at 18" (max.).

Install in dry weather only.

No construction traffic shall be on the system area.

A 6" soil cover must be placed and maintained on the field by diverting surface water around area. Proper seeding and straw thatching are required.

H. Other References

See site plan for system layout. See plat map for soil boring locations. See report and soil profile sheets. See Infiltrator Product sheet, system sizing sheet with trench detail, and state approval summary.

I. **Contact Protocol Sampling Service, Inc. to schedule pre-construction meeting and inspection of installation.**



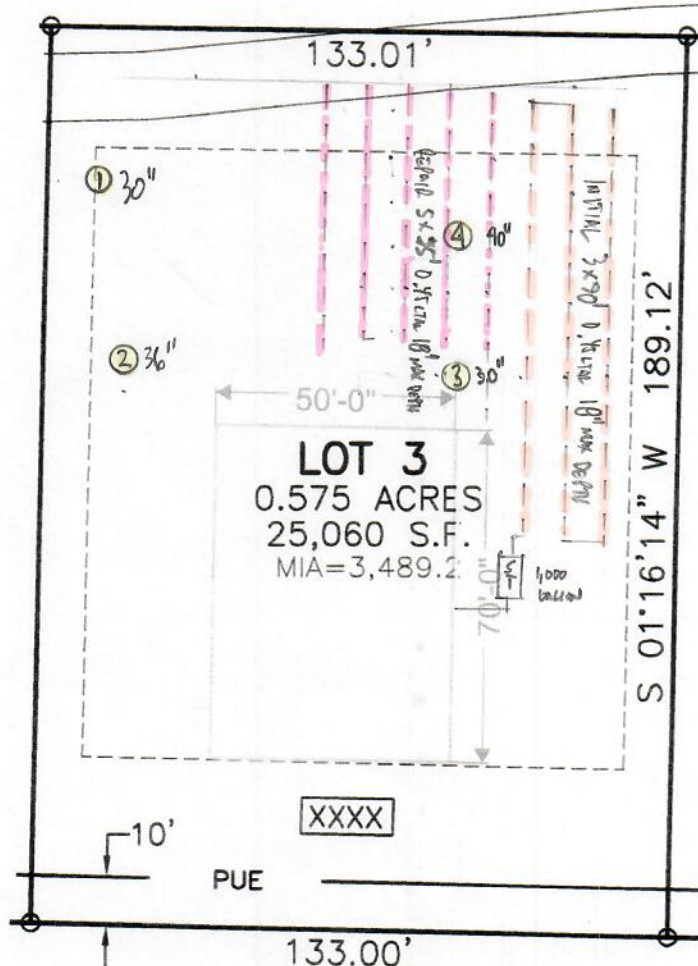
David E. Meyer, N.C.L.S.S.  
Soil Scientist/President





# Legend

- - SOIL BORING (4)
- 40" - SOIL DEPTH
- INITIAL SYSTEM LINES (3x36") @ 18" MAX. DEPTH
- REPAIR SYSTEM LINES (5x36") @ 18" MAX. DEPTH



Protocol Sampling Service, Inc.  
4114 Laurel Ridge Dr  
Raleigh, NC 27612

Sheet 1 of 1  
PROPERTY ID #: 0645-17-166  
COUNTY: HARRIS

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

OWNER: M. H. Hines  
ADDRESS: Lot 3 1742 Oak Ridge Drive P.O. Box 50000 Raleigh, NC 27612  
PROPOSED FACILITY: 4 beds PROPOSED DESIGN FLOW (.1949): 40 GPD  
LOCATION OF SITE: Lot 3 C224644A S.B.P.  
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other \_\_\_\_\_  
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed  
APPLICATION DATE: \_\_\_\_\_  
DATE EVALUATED: 2-19-20  
PROPERTY SIZE: 41.27  
PROPERTY RECORDED: 401

| P<br>R<br>O<br>F<br>I<br>L<br>E<br># | .1940<br>LANDSCAPE<br>POSITION/<br>SLOPE % | HORIZON<br>DEPTH<br>(IN.) | SOIL MORPHOLOGY<br>(.1941)     |                                     |       |                                    | OTHER<br>PROFILE FACTORS |                             |                         |   | PROFILE<br>CLASS<br>& LTAR |
|--------------------------------------|--------------------------------------------|---------------------------|--------------------------------|-------------------------------------|-------|------------------------------------|--------------------------|-----------------------------|-------------------------|---|----------------------------|
|                                      |                                            |                           | .1941<br>STRUCTURE/<br>TEXTURE | .1941<br>CONSISTENCE/<br>MINERALOGY |       | .1942<br>SOIL<br>WETNESS/<br>COLOR | .1943<br>SOIL<br>DEPTH   | .1956<br>SAPR<br>O<br>CLASS | .1944<br>RESTR<br>HORIZ |   |                            |
| 1                                    | 1<br>3h<br>NW corner                       | 0-24"                     | SM                             | LS/L                                | Fr    | NS NP                              | 30"                      | 41"                         | —                       | — | 0.3-0.6                    |
|                                      |                                            | 24-40"                    | SM                             | SL/L                                | Fr    | SS NP                              | 10m/6/2                  |                             |                         |   |                            |
|                                      |                                            | 40-41"                    | SM                             | S                                   | Fi    | S SP                               | 40"                      |                             |                         |   |                            |
|                                      |                                            |                           |                                |                                     |       | 10m/6/1 1/2"                       |                          |                             |                         |   |                            |
|                                      |                                            |                           |                                |                                     |       |                                    |                          |                             |                         |   |                            |
| 2                                    | 2<br>SW corner                             | 0-24"                     | SM                             | SL/S                                | Fr    | NS NP                              | 36"                      | 40"                         |                         |   | 0.3-0.6                    |
|                                      |                                            | 24-40"                    | SM                             | SL                                  | Fr    | SS NP                              | 10m/6/2                  |                             |                         |   |                            |
|                                      |                                            | 40-40"                    | SM                             | SL/S                                | Fi    | SS SP                              | 40"                      |                             |                         |   |                            |
|                                      |                                            |                           |                                |                                     |       | 10m/6/1 1/2"                       |                          |                             |                         |   |                            |
|                                      |                                            |                           |                                |                                     |       |                                    |                          |                             |                         |   |                            |
| 3                                    | 3<br>SE corner                             | 0-25"                     | SM                             | SL/S                                | h     | NS NP                              | 36"                      | 40"                         |                         |   | 0.3-0.6                    |
|                                      |                                            | 25-30"                    | SM                             | SL                                  | Fr-Fi | SS NP                              | 10m/6/2                  |                             |                         |   |                            |
|                                      |                                            | 30-40"                    | SM                             | SL/S                                | Fr-Fi | SS SP                              | 40"                      |                             |                         |   |                            |
|                                      |                                            |                           |                                |                                     |       | 10m/6/1 1/2"                       |                          |                             |                         |   |                            |
|                                      |                                            |                           |                                |                                     |       |                                    |                          |                             |                         |   |                            |
| 4                                    | 4<br>NE corner                             | 0-26"                     | SM                             | LS/L                                | Fr    | NS NP                              | 40"                      | 40"                         |                         |   | 0.3-0.6                    |
|                                      |                                            | 26-44"                    | SM                             | SL/L                                | Fr    | SS NP                              | 10m/6/1                  |                             |                         |   |                            |
|                                      |                                            | 44-48"                    | SM                             | SL/L                                | Fr-Fi | SS S                               | 40"                      |                             |                         |   |                            |
|                                      |                                            |                           |                                |                                     |       | 10m/6/1 1/2"                       |                          |                             |                         |   |                            |
|                                      |                                            |                           |                                |                                     |       |                                    |                          |                             |                         |   |                            |

| DESCRIPTION             | INITIAL SYSTEM      | REPAIR SYSTEM       | OTHER FACTORS (.1946):<br>SITE CLASSIFICATION (.1948): |
|-------------------------|---------------------|---------------------|--------------------------------------------------------|
| Available Space (.1945) | Yes                 | Yes                 |                                                        |
| System Type(s)          | Accession 25' x 60' | Accession 25' x 60' | EVALUATED BY: _____                                    |
| Site LTAR               | 1/4 3x90'           | 1/4 5x55'           | OTHER(S) PRESENT: _____                                |

COMMENTS:

## STATE APPROVAL SUMMARY

Excerpt from AWWWS 2005-01-R5. Accepted approval with 4.0 ft<sup>2</sup>/f for the Quiet4 Plus Standard chamber model and sizing only. Allows for substitution of any conventional permits.

### IX. Responsibilities and Permitting

- A. The local health department shall permit these accepted system in an equivalent manner as a conventional system, when the requirements of 15A NCAC 18A .1900 et. Seq., laws, and conditions of this accepted system approval are met.
- B. When use of one or more of these accepted systems is requested in the application for a Construction Authorization, the local health department shall include a design for the designated accepted system(s) in accordance with the approved siting, sizing, and design criteria on the Construction Authorization.
- C. When a permit or authorization is issued for a conventional system, the permit or authorization shall contain a statement that indicates that an accepted system may also be used. These accepted systems may be installed without permit/authorization modification, prior approval of the health department, or separate sign-off, if the accepted system can be placed in the permitted/authorized trench footprint and the installation is in accordance with the accepted system approval, without unauthorized product alteration.
- D. When substitution with one of these accepted systems for a conventional system or another accepted system is made, permit modification, prior approval of the health department or separate owner sign-off is not required as long as no changes are necessary in the location of each nitrification line (except reduction in line length and/or number as allowed for in this approval), trench depth, or effluent distribution method.
- E. Notwithstanding paragraphs C and D above, when a substitution in system type compared to a previously permitted or authorized system type or types shall result in a change in the location of any nitrification line (including any increase in line length), trench depth, or effluent distribution method, prior approval by the local health department is required before system installation. The local health department shall modify the permit/authorization upon a finding that all provisions of this approval and all other applicable rules shall be met.
- F. The type of system installed shall be indicated on the Operation Permit, including designation of the manufacturer and model or unique code.

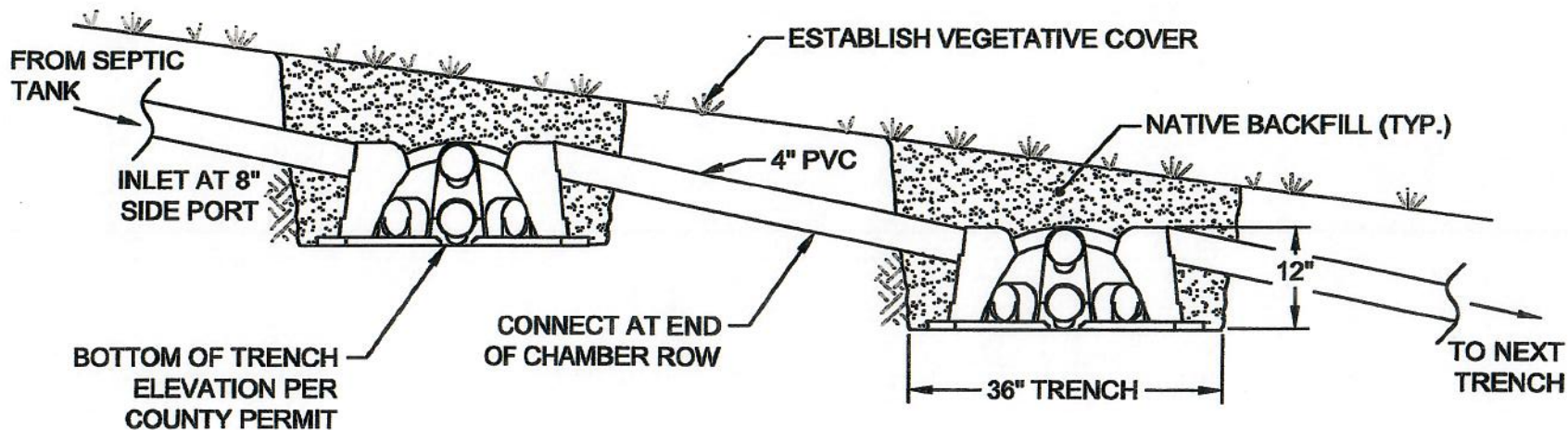
### CHAMBER APPROVAL SUMMARY

| Model                   | Accepted       | Innovative     |
|-------------------------|----------------|----------------|
| Quiet4 Plus Standard    | 0 <sup>1</sup> | 0 <sup>2</sup> |
| Quiet4 Plus Standard LP |                | 0 <sup>2</sup> |
| Quiet4 High Capacity    |                | 0 <sup>2</sup> |
| Quiet4 Equusizer 26     |                | 0 <sup>2</sup> |
| Quiet4 Equusizer 24     |                | 0 <sup>2</sup> |

#### NOTES:

1. AWWWS 2005-01-R5
2. AWWWS 1993-2-R17
3. AWWWS 2010-1-R3
4. Manufacturer's approval numbers subject to change.

**INFILTRATOR WATER TECHNOLOGIES  
QUICK4 STANDARD CHAMBER  
SERIAL DISTRIBUTION TYPICAL DETAIL  
SECTION VIEW  
(NOT TO SCALE)**

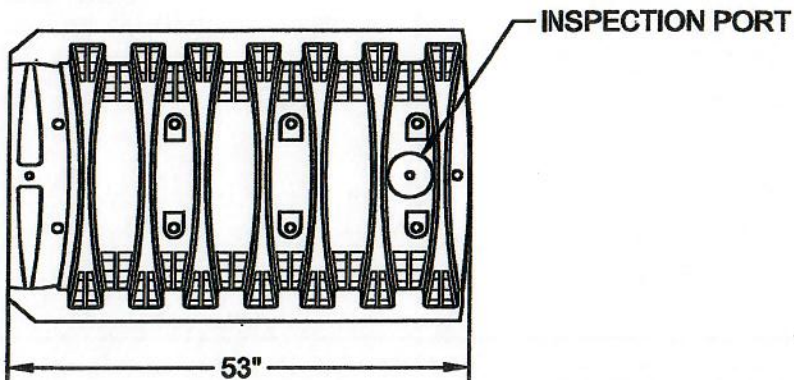


\*NUMBER OF ROWS DETERMINED BY DESIGN  
AND CENTER TO CENTER SPACING PER CODE.

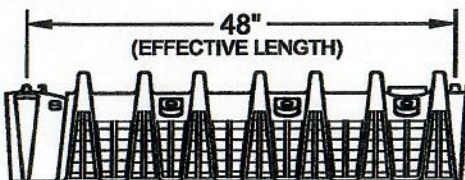
|                                                                                                             |                         |                     |
|-------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| <br><b>INFILTRATOR</b> |                         |                     |
| <b>INFILTRATOR WATER TECHNOLOGIES</b><br>4 Business Park Rd. Old Saybrook, CT 06475<br>(800) 221-4438       |                         |                     |
| <b>QUICK4 STANDARD CHAMBER<br/>SERIAL DISTRIBUTION TYPICAL DETAIL<br/>SECTION VIEW</b>                      |                         |                     |
| Drawn by: <b>EMB</b>                                                                                        | Date: <b>05/21/2015</b> |                     |
| Scale: <b>NOT TO SCALE</b>                                                                                  | Checked by: <b>DFH</b>  | Sheet <b>1 of 1</b> |

**INFILTRATOR WATER TECHNOLOGIES  
QUICK4 STANDARD CHAMBER  
PRODUCT SPECIFICATIONS  
(NOT TO SCALE)**

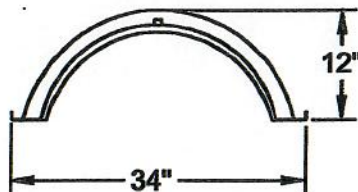
**TOP VIEW**



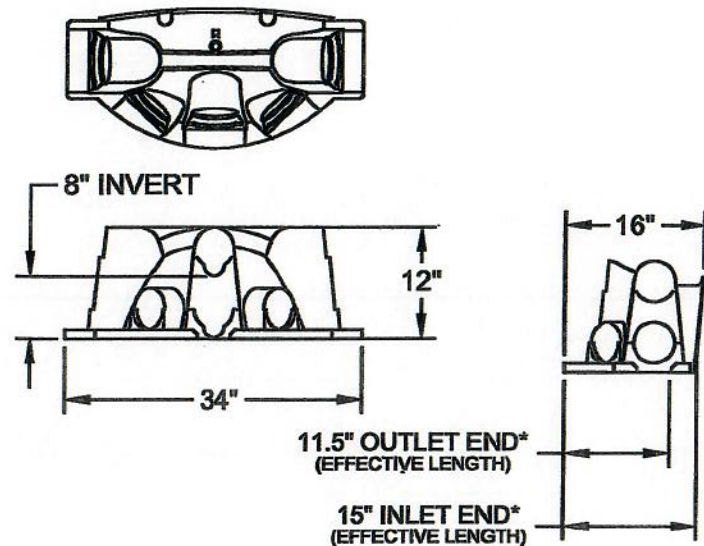
**SIDE VIEW**



**END VIEW**



**QUICK4 STANDARD MULTIPORT END CAP**



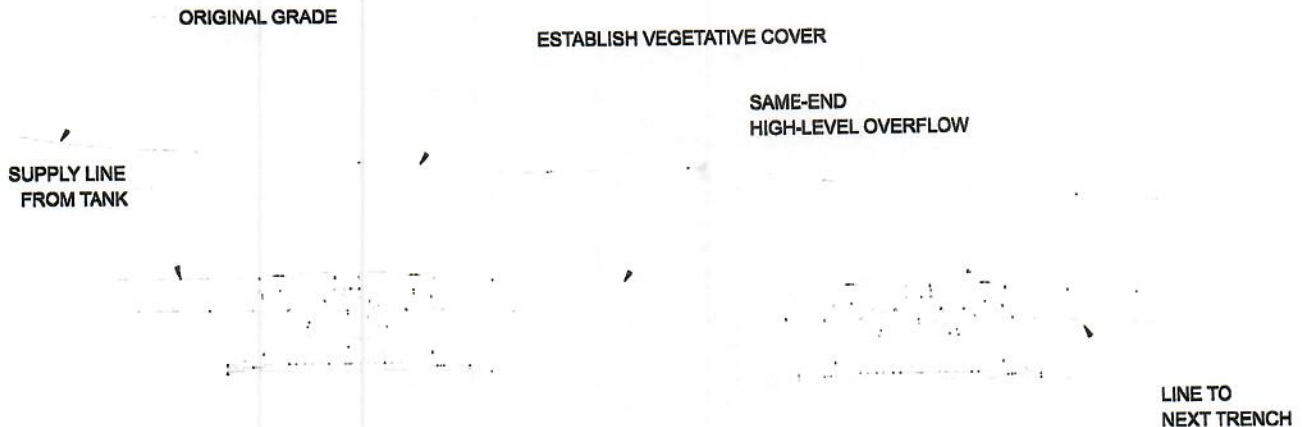
\* ALL VIEWS = INSTALLED LENGTH.

|                                                                                                             |                        |                         |
|-------------------------------------------------------------------------------------------------------------|------------------------|-------------------------|
| <br><b>INFILTRATOR</b> |                        |                         |
| <b>INFILTRATOR WATER TECHNOLOGIES</b><br>4 Business Park Rd. Old Saybrook, CT 06475<br>(800) 221-4436       |                        |                         |
| <b>QUICK4 STANDARD CHAMBER<br/>PRODUCT SPECIFICATIONS</b>                                                   |                        |                         |
| Drawn by: <b>EMB</b>                                                                                        | Checked by: <b>DFH</b> | Date: <b>05/21/2015</b> |
| Scale: <b>NOT TO SCALE</b>                                                                                  |                        | Sheet: <b>1 of 1</b>    |

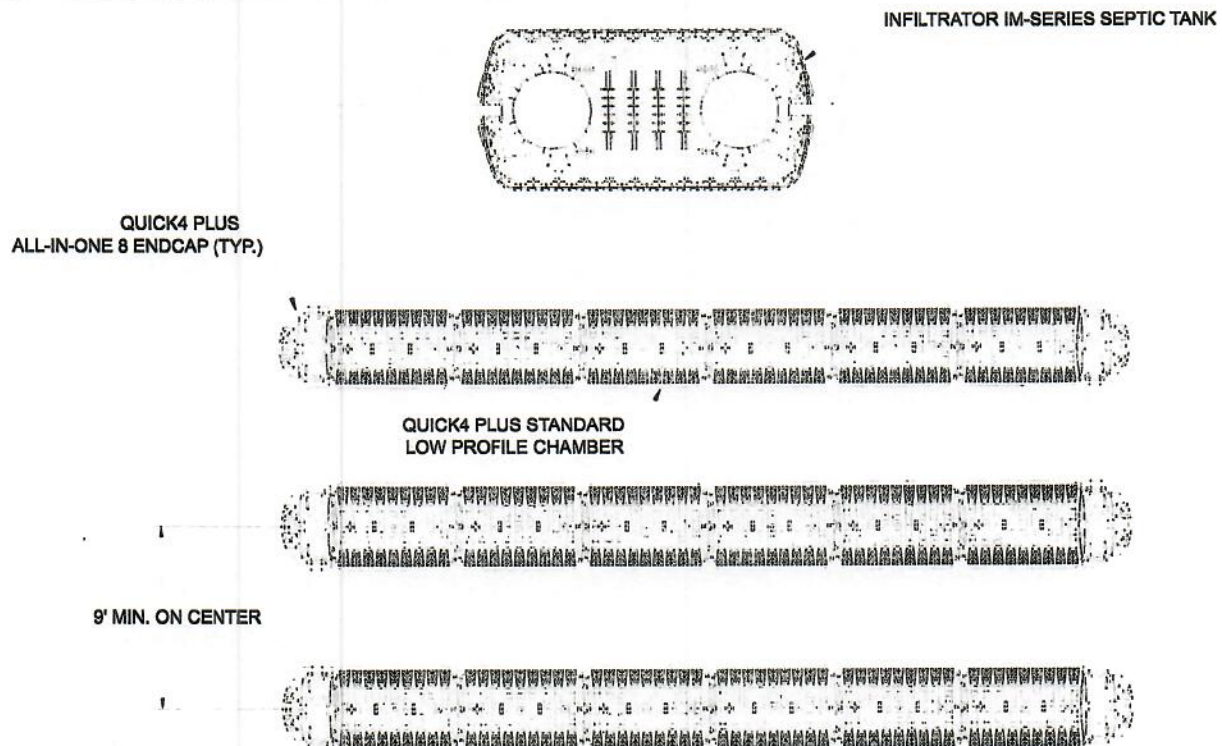
## CHAMBER CONFIGURATIONS

### Serial Distribution – Quick4 Plus Standard Chambers Using Quick4 Plus All-in-One 12 Endcaps as Drop Boxes

#### TYPICAL CROSS SECTION (not to scale)



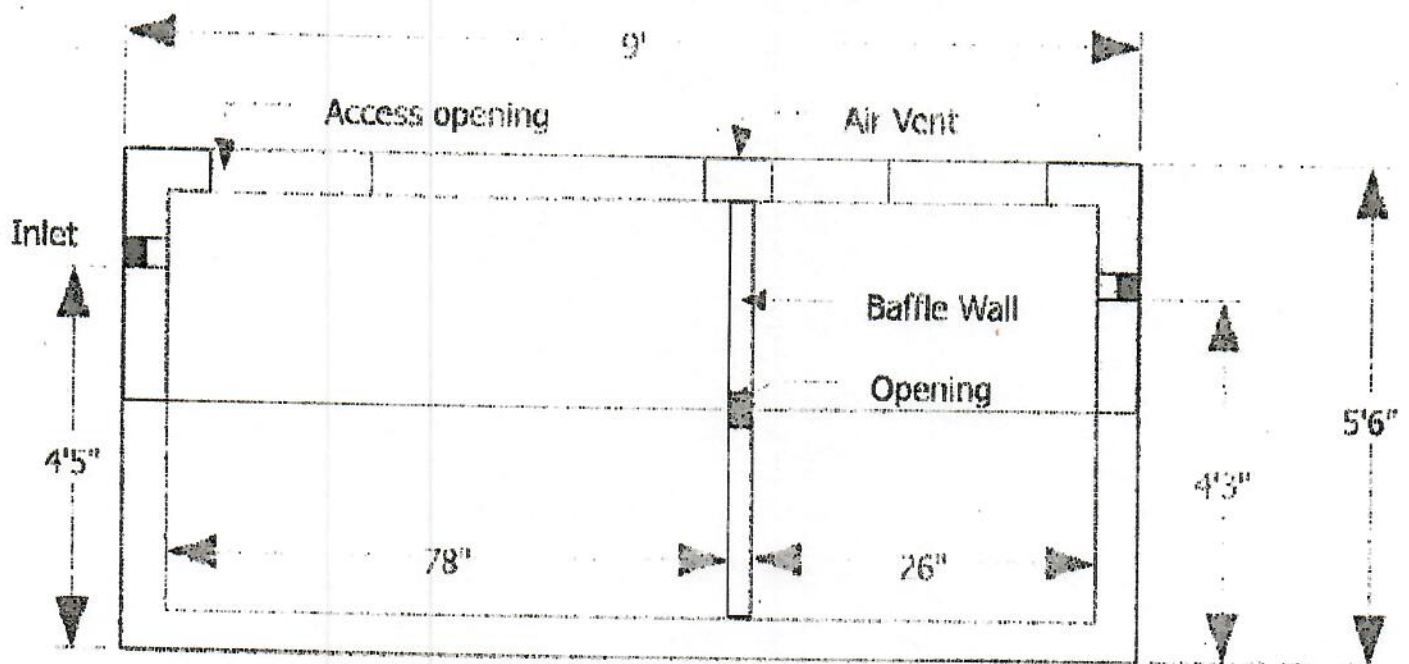
#### TYPICAL PLAN VIEW (not to scale)



#### NOTES:

1. See endcap sizing chart to determine endcap linear foot credit.
2. These are schematic drawings only; pipe size, type and layout per design.
3. The Quick4 Plus Standard chamber is compatible with the Quick4 Plus All-in-One 12 Endcap. The Quick4 Plus Standard LP chamber is compatible with the Quick4 Plus All-in-One 8 Endcap and the Quick4 Plus 8 Endcap.

## 1000 Gallon, 2 Piece Septic Tank



**STB 103**

Manufactured by :

**GARNERS**  
Septic Tanks, Inc.

Eddie Garner, President

919-718-5181

121 Stanton Hill Road

Carthage, NC 28327

Fax 919-775-2229

Eddie@garnersseptic tanks.com