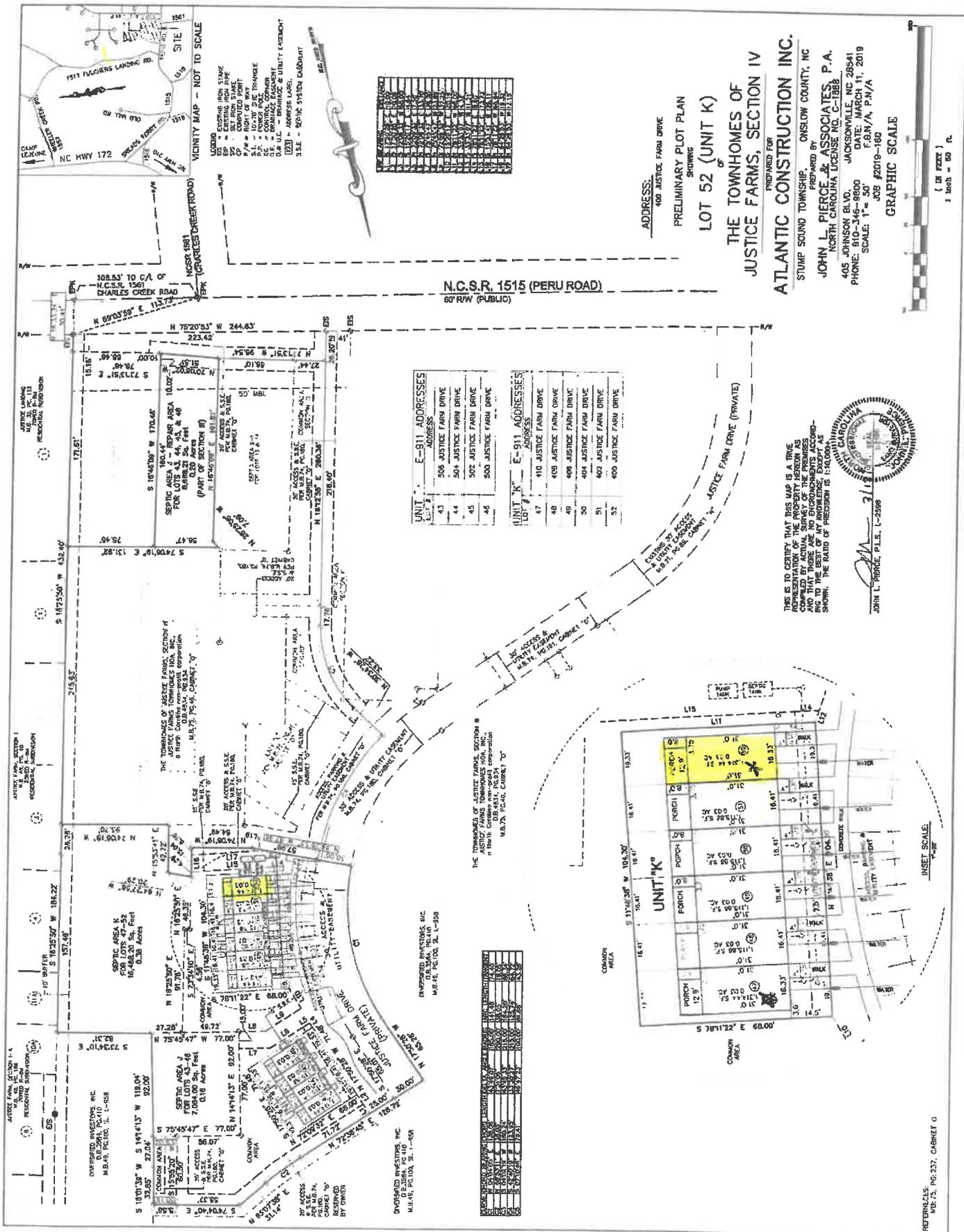


400



ADDRESS:
400 JUSTICE FARM DRIVE

PRELIMINARY PLOT PLAN
Showing
LOT 52 (UNIT K)

THE TOWNHOMES OF
JUSTICE FARMS, SECTION IV

PREPARED FOR
ATLANTIC CONSTRUCTION INC.

STUMP SOUND TOWNSHIP, ONSLOW COUNTY, NC

PREPARED BY
JOHN L. PIERCE & ASSOCIATES, P.A.
NORTH CAROLINA LICENSE NO. C-1888

405 JOHNSON BLVD. JACKSONVILLE, NC 28541
PHONE: 810-346-8800 DATE: MARCH 11, 2019
SCALE: 1" = 30' F.B.N./A, P.N/A
JOB #2019-160

GRAPHIC SCALE

UNIT #	E-911 ADDRESS
43	506 JUSTICE FARM DRIVE
44	504 JUSTICE FARM DRIVE
45	502 JUSTICE FARM DRIVE
46	500 JUSTICE FARM DRIVE

UNIT #	E-911 ADDRESS
47	410 JUSTICE FARM DRIVE
48	408 JUSTICE FARM DRIVE
49	406 JUSTICE FARM DRIVE
50	404 JUSTICE FARM DRIVE
51	402 JUSTICE FARM DRIVE
52	400 JUSTICE FARM DRIVE

THIS IS TO CERTIFY THAT THIS MAP IS A TRUE REPRESENTATION OF THE PROPOSED DEVELOPMENT AS COMPILED BY ACTUAL SURVEY OF THE PREMISES ACCORDING TO THE BEST OF THE SURVEYOR'S KNOWLEDGE AND BELIEF. THE RANGE OF PRECISION IS 1:10,000.



JOHN L. PIERCE, P.L.L.C. L-2598

REFERENCES:
M.B. 25, PG. 237, CABINET 0

INSET SCALE:
1" = 30'





Onslow County Health Department
 234 Northwest Corridor Blvd
 Jacksonville, North Carolina 28540
 Phone: (910) 938-5851 Fax: (910) 989-5819

CONSTRUCTION AUTHORIZATION
 (GS 130A-336)

Permit No: EHCA-2019-00227
 Workclass: EH CA New

(Required for Building Permit)

THIS AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION SHALL
 BE VALID FOR A PERIOD EQUAL TO THE PERIOD OF VALIDITY OF THE
 IMPROVEMENT PERMIT.

Owner: DIVERSIFIED INVESTORS INC, DIVERSIFIED INVESTORS INC

Address: 400,402,404,406,408,410 JUSTICE FARM DR, SNEADS FERRY, 28460

Subdivision: TOWNHOMES OF JUSTICE FARM Lot Number: K Section: Phase:

Block: LOTS 47, 48, 49, 50, 51, 52 Part: Tract:

Proposed Use: MULTIPLE DWELINGS (6-2 BEDROOMS)

Location: OFF PERU ROAD

System Type: III b System Classification: b. Septic system w/ single effluent pump or siphon

System Description: 25% Reduction Accepted System

Facility/Daily design flow: 6-2 Bedrooms - 1440 gpd - 24 Persons max

System Information: Install 10-80' 25% reduction drainlines.

Repair: 4800 Sq. Ft. Anaerobic Drip.

LTAR: .45 gpd/sq. ft. Water Supply: Public

Septic Tank Size: 2185 gallons Grease Trap Size: N/A gallons

Pump Tank Size: 1463 gallons

Nitrification Area: 2400 sq. ft. Nitrification Linear Feet: 800 lin. ft.

No of Lines: 10 Line Length: 80' Line Width: 3'

Trench Bottom Depth: 12-18" Below Ground Surface

(SEE ATTACHED PAGES 1-4 of 4 FOR ADDITIONAL PERMIT CONDITIONS)

Signed By: Robert McCabe *Robert McCabe* Date: 03/26/2019

This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958 and .1959 are incorporated by reference into this permit and shall be met.

THE ISSUANCE OF THIS C.A. DOES NOT CONSTITUTE AN ONSLOW COUNTY WARRANTY OR GUARANTEE OF THE FUNCTIONALITY OF THE WASTEWATER SYSTEM



Onslow County Health Department
 234 Northwest Corridor Blvd
 Jacksonville, North Carolina 28540
 Phone: (910) 938-5851 Fax: (910) 989-2341

IMPROVEMENT PERMIT
 (GS 130A-336)

Permit No: **EIP2014-00440**
 Category: **Multiple Dwelling**

A building permit cannot be issued with only an Improvement Permit.

Expiration: Valid for 5 years from date of issuance

Owner: DIVERSIFIED INVESTORS INC

Address: PERU RD SNEADS FERRY 28460

SR #:

Subdivision: TOWNHOMES OF JUSTICE FAR **Lot:** K **Section:** **Phase:**

Block: **Part:** **System:** **Unit:** **Division:** **Tract:**

Location:

System Type/Description: III 25% Reduction Accepted System

System Classification: b. Septic system with single effluent pump or siphon

System Info: Install 10-80' 25% reduction drainlines.
 Repair: 4800 Sq. Ft. Anaerobic Drip.

Facility/Daily design flow: 6-2 Bedrooms - 1440 gpd

LTAR: .45 gpd/sq. ft. **Water Supply:** Public

(SEE ATTACHED PAGES 1 - 4 of 4 FOR ADDITIONAL PERMIT CONDITIONS)

Signed By: Robert McCabe *Robert McCabe REHS* Date: 01/07/2015

The issuance of this permit by the Onslow County Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This permit is subject to revocation if the site plan, plat, or the intended use changes. This Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.

OWNER: THE TOWNHOMES OF JUSTICE FARMS
 ADDRESS: LOT
 LOCATION: OFF PERM ROAD

Addendum to Permit # EIP2014-00940
 Page 1 of 4

ADDITIONAL PERMIT CONDITIONS:

1. Do not park or drive on any part of the septic system or repair area.
2. Nitrification trench aggregate shall be covered with straw, untreated paper or other approved materials prior to final cover / backfilling.
3. Do not install system under wet conditions.
4. Rock used in soil absorption systems shall be clean, washed gravel or crushed stone and graded or size in accordance with size numbers 3, 4, 5, 57, or 6 of ASTM D-448 (standard sizes of coarse aggregate) which is hereby adopted by reference in accordance with G.S. 150 B-14 (c). Documentation of aggregate size shall be available upon request.
5. Adhere to minimum setback requirements as stated in Rule .1950 and .1951 of NC Laws and Rules for Sewage Treatment and Disposal Systems (Article 11, G.S. Chapter 130A), unless otherwise indicated in this permit.
6. All pump tanks shall be tested for water tightness. In addition, septic tanks may be subject to a water tightness test.
7. The septic tank is designed to receive sewage or wastewater under gravity flow. However, if a system subject to the N.C. Plumbing Code is used to pump raw sewage to the septic tank, the sewage shall be reduced to gravity/non-turbulent flow by approved means at the inlet of the septic tank.
8. An accepted wastewater system may also be installed in accordance with the Accepted Wastewater System Approval (AWWS-05-01 or AWWS-05-02). Maximum LTAR of 1.0 gpd / ft².
9. Run lines parallel to contour. System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to insure that proper grade is maintained.
10. A dedeed and recorded map shall be submitted to the Environmental Health Section of the Onslow County Health Department **PRIOR TO** the issuance of the Construction Authorization.
11. An APPROVED stormwater plan shall be submitted to the Environmental Health Section of the Onslow County Health Department **PRIOR TO** issuance of a Construction Authorization.
12. FOR DWELLING UNIT WASTEWATER SYSTEMS ONLY - This wastewater system is designed only for the number of bedrooms shown as bedrooms or sleeping rooms on the building/floor plan approved by Onslow County Code Enforcement. No other room or space may be relabeled as a bedroom, used as a bedroom, or converted into a bedroom without prior approval from Onslow County Environmental Health.

PLOT PLAN

SCALE: 1 inch = 50 feet

SEE ATTACHED PROPOSED
 PLOT PLAN ON PAGE
2 OF 4

* SYSTEM IS BEING PUMPED OFF-SITE.*
 SEE ADDITIONAL OFF-SITE SPECIFICATIONS
 ON PAGE(S) 3-4 OF 4.

* SYSTEM AREA AND DRAINLINES MUST BE
 FLAGGED IN THE FIELD BY LICENSED SOIL
 SCIENTIST, PRIOR TO ISSUANCE OF
 CONSTRUCTION AUTHORIZATION.

* SYSTEM REQUIRES ENGINEERED PLANS.*
 SUPPLY LINE DESIGN, COLLECTION SYSTEM
 SPECIFICATIONS, PUMP CALCULATIONS, AND
 SEPTIC TANK/PUMP TANK SIZING REQUIREMENTS,
 MUST BE RECEIVED AND APPROVED BY OCHD
PRIOR TO ISSUANCE OF CONSTRUCTION
 AUTHORIZATION.

SYSTEM DESIGN

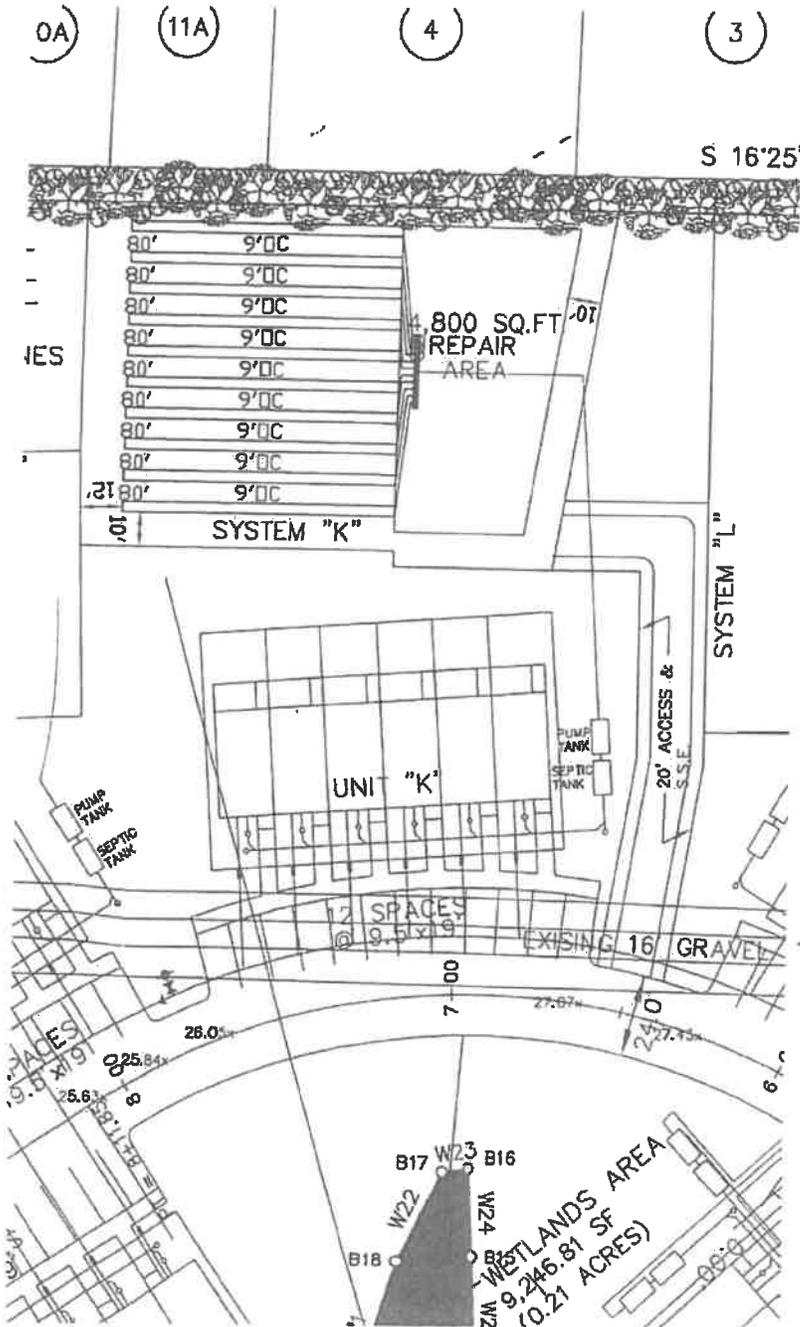
BEDROOMS/ GPD: 6-2 B.R. - 1440 gpd
 SYSTEM TYPE: III b
 % REDUCTION: 25%
 LTAR: .95
 SQ. FT. 2400 LINEAR FEET 800'
 # OF LINES: 10
 LENGTH EACH LINE: 80'
 TRENCH BOTTOM: 12-18" Below Ground Surface
 TRENCH WIDTH: 3 FEET W/ LINES
9' FEET ON CENTER
 REPAIR AREA: 4800 Sq. Ft. Approx = Drip
LTAR .3
6" T.B.

PITTMAN SOIL CONSULTING

Owner: THE TOWNHOMES OF JUSTICE FARMS.

Address: LOT K

Location: OFF PERU ROAD



INITIAL
6-2 BEDROOM
LTAR .45
10-80' 25% REDUCTION LINES
12-18" TB
>6" SOIL COVER REQUIRED OVER
SYSTEM AND 5' BEYOND SYSTEM

REPAIR AREA
6-2 BEDROOMS
LTAR .3
4800 SQFT ANAEROBIC DRIP
6" TB
>6" SOIL COVER REQUIRED OVER
SYSTEM AND 5' BEYOND SYSTEM

APPROX SCALE 1"=50'

Additional Off-Site Specifications:

1. All easements, for supply lines, off-site drainfields, access, etc..., shall be recorded and appropriate maps submitted to the Onslow County Health Department **PRIOR** to issuance of a Construction Authorization.
2. Supply lines shall have a dedicated easement at least 15 feet in width (general or shared utility easements are not approved).
3. Wastewater system plans, calculations, and drawings shall be submitted to and approved by the Onslow County Health Department **PRIOR** to issuance of the Construction Authorization. If supply line length is significant, varies in elevation or presents other difficult design challenges (such as multiple supply lines), calculations and/or design shall be supplied by a Professional Engineer.
4. Where all or parts of a septic system are under common or joint control, a draft Tri-Party agreement among the Onslow County Health Department, developer, and a proposed non-profit, incorporated owner's association shall be submitted to the Onslow County Health Department for approval **PRIOR** to issuance of a Construction Authorization. The Tri-Party agreement shall address ownership, transfer of ownership, maintenance, repairs, operation, and the necessary funds for the continued satisfactory performance of the wastewater system, including collection, treatment, disposal, and other appurtenances.
5. Prior to the issuance of an Operation Permit for a system requiring a tri-party agreement, the agreement shall be executed among the local health department, developer, and a non-profit, incorporated owners association and filed with the local register of deeds.
6. An ORC contract, if required, shall be submitted to and approved by the Onslow County Health Department **PRIOR** to the issuance of the Operation Permit.
7. System and Repair Area shall be staked in the field by a Licensed surveyor or the design Licensed Soil Scientist **PRIOR** to the issuance of a Construction Authorization.
8. If a collection system is utilized, it shall be designed by a Professional Engineer and plans submitted to the Onslow County Health Department for review. The plans shall be approved **PRIOR** to issuance of a Construction Authorization.
9. A preconstruction meeting shall be held with the owner, certified wastewater system installer, system designer and the Onslow County Health Department **PRIOR** to any part of the installation.
10. Clearly survey all off-site easement areas and supply line easements before installation.
11. All improvements to the easement area shall be completed at the development stage i.e.: ditching, clearing, storm drainage, placement of fill, etc. **PRIOR** to issuance of a Construction Authorization
12. When supply lines run along road Rights-of-Ways, Metal Warning Tape shall be installed over supply lines---to keep utilities from destroying/digging supply lines (Warning Sewer Pipe Below)

13. All supply lines shall be installed at a minimum depth of 30" at the development stage of the project—which run to each easement area. The supply lines shall be inspected and approved by the Onslow County Health Department **PRIOR** to backfilling (a **Construction Authorization is REQUIRED prior to installation**). A Tri-Party is required for multiple supply lines installed within a common easement.
14. Pressure test all supply lines at installation (100 psi for 2 hours)
15. Clearly color code/identify each supply line in a common or individual trench.
16. All supply lines NOT schedule 40 PVC shall be approved and sealed by a Professional Engineer. A copy of the report shall be submitted to the Onslow County Health Department prior to approval.
17. Provide a suitable access road easement $\geq 20'$, large enough to handle trucks and equipment, to the off-site drainfields. The access shall be constructed at the installation of the wastewater system and remain accessible for the life of the system.
18. All supply lines shall be placed in steel encasement (per DOT standards) when crossing any area of vehicular traffic and $\geq 36"$ under the road.
19. Water under pressure shall be provided at the off-site drainfield and the final dosing tank for systems serving multiple dwelling units / lots, where routine maintenance is required.
20. Provide a permanent label / marker at each off-site drainfield which clearly identifies the lot the off-site area serves. For example, a sign posted with lot 24/24A.
21. If the off-site area is to serve as the repair area, the supply line shall be installed, including a service tap in a protective enclosure with gate and check valves.

