



OK 2051 Flint Rock Rd.
(Flint Rock Farms 46)

Permit #: 471651

This Section for Local Health Department Use Only

Initial submittal received: 7/6/26 by WTB
Date Initials

G.S. 130A-335(a3) states the following:

When an applicant for an Improvement Permit submits to a local health department an Improvement Permit application, the permit fee charged by the local health department, the common form developed by the Department, and a soil evaluation pursuant to subsection (a2) of this section, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Improvement Permit includes all of the required components. If the local health department determines that the Improvement Permit is incomplete, the local health department shall notify the applicant of the components needed to complete the Improvement Permit. The applicant may submit additional information to the local health department to cure the deficiencies in the Improvement Permit. The local health department shall make a final determination as to whether the Improvement Permit is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The Department shall develop a common form for use as the Improvement Permit.

The review for completeness of this Improvement Permit was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the LSS and the Applicant on _____
Date

State Authorized Agent: _____ Date: _____

☒ Complete

State Authorized Agent: [Signature] REHS Date: 7/8/26

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit by the 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. The 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 the conditions of this permit.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: 7/6/31

See attached site sketch



NC DEPARTMENT OF
**HEALTH AND
HUMAN SERVICES**

Permit #: 471651

ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Submittal Includes: ☒ (a2) Improvement Permit ☐ (a2) Construction Authorization ☐ Fee \$ _____

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)

County: Granville

PIN/Lot Identifier: 2054 Flint Rock Road PIN: 1836-52-4486

Issued To: Newleaf Capital Solutions LLC

Property Location: 2054 Flint Rock Road in southern Granville County, NC

Subdivision (if applicable) Flint Rock Lot #: 46 Block: _____ Section: _____

LSS Report Provided: Yes ☒ No ☐

If yes, name and license number of LSS: John R. Davis, Jr. LSS#1028

New ☒ Expansion ☐ System Relocation ☐ Change of Use ☐

Proposed Structure: Single Family Dwelling

Number of bedrooms: 4 Number of Occupants: 8 Other: _____

Design Wastewater Strength: ☒ domestic ☐ high strength ☐ industrial process

Proposed Design Daily Flow: 480 GPD Proposed LTAR (Initial): 0.3 Proposed LTAR (Repair): 0.15 drip

Proposed Wastewater System Type*: Accepted II b gravelless (Initial) Pump Required: ☐ Yes ☒ No ☐ May be required

Proposed Wastewater System Type*: Alternative Va pretreat drip (Repair) Pump Required: ☒ Yes ☐ No ☐ May be required

**Please include system classification for proposed wastewater system types in accordance with 15A NCAC 18A .1961 Table V(a)*

Saprolite System (initial): ☐ Yes ☒ No Saprolite System (repair): ☐ Yes ☒ No

Fill System (Initial): ☐ Yes ☐ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Fill System (repair): ☐ Yes ☐ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area provide a fill plan)

Usable Soil Depth (Initial): 27 Usable Soil Depth (Repair): 18

Max. Trench Depth (Initial)*: 12 Max. Trench Depth (Repair)*: 6 ** Measured on the downhill side of the trench*

Artificial Drainage Required: ☐ Yes ☒ No If yes, please specify details: _____

Type of Water Supply: ☒ Private well ☐ Public well ☐ Shared well ☐ Municipal Supply ☐ Spring ☐ Other: _____

Drainfield location meets requirements of Rule .1945: Yes ☒ No ☐ Drainfield location meets requirements of Rule .1950: Yes ☒ No ☐

Permit valid for: ☒ Five years [site plan submitted pursuant to GS 130A-334(13a)] ☐ No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

See Attached Conditions on page 3. The Usable soil depth for the initial system may extend down to more than 30 inches from the surface in places. A gravity septic system may be installed from the proposed house site.

Construction Authorization may be issued once the property line is marked and the septic trenches located at least 10 feet away from the property line. An upslope swale may be prudent to divert stormwater away from the tank and drainfield.

Licensed Soil Scientist Print Name: John R. Davis, Jr.

Licensed Soil Scientist Signature: [Signature] Date: 06/30/2026

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH

LOCATION: 5605 Six Forks Road, Building 3, Raleigh, NC 27609

MAILING ADDRESS: 1632 Mail Service Center, Raleigh, NC 27699-1632

www.ncdhhs.gov • TEL: 919-707-5854 • FAX: 919-845-3972

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER



IMPROVEMENT PERMIT

Granville Vance Public Health
Environmental Health
PO Box 367
Oxford, NC 27565
Phone: (252) 492-5263 Fax: (252) 492-2361

For Office Use Only

*CDP File Number 471651 - 1
County ID Number: _____
Evaluated For: NEW

PERMIT VALID UNTIL: 07/08/2031

***NOTE TO INSPECTIONS DIVISION:** Building Permits cannot be issued with this Improvement Permit.

Applicant: NEWLEAF CAPITAL SOLUTIONS LLC
Address: 2212 ANCONA LANE
City: RALEIGH
State/Zip: NC 27613
Phone #: home: (919) 438-5588

Property Owner: ROBERT BROWN
Address: 2054 FLINT ROAD
City: FRANKLINTON
State/Zip: NC. 27525
Phone #: home: (910) 672-6372

Property Location & Site Information

Address: 2054 FLINT ROCK ROAD
FRANKLINTON, NC 27525
Subdivision: FLINT ROCK FARMS
Block/Phase: NEW Lot: 46
Road #: _____
Structure: SINGLE FAMILY
of Bedrooms: 4
of People: 8
*Water Supply: NEW WELL

Directions

GPS

Initial System

Usable Soil Depth: 27
Design Flow: 480
Soil Application Rate: 0.3000

System Specifications

Minimum Trench Depth: 12 Inches
Maximum Trench Depth: 12 Inches

*System Classification/Description:
Type IIb - Accepted Wastewater Gravity System

Septic Tank: 1000 Gallons

Pump Required: ☐ Yes ☒ No ☐ May Be Required

*Proposed System:
25% REDUCTION

Pump Tank: _____ Gallons

Repair System Required: ☒ Yes ☐ No ☐ No, but has Available Space

Repair System

Usable Soil Depth: 18
Soil Application Rate: 0.150

Minimum Trench Depth: _____ Inches
Maximum Trench: Depth: _____ Inches

*System Classification/Description:
Type Va - Advanced Pretreatment Meeting NSF/ANSI 4

Pump Required: ☒ Yes ☐ No ☐ May Be Required

*Proposed System: DRIP

Pump Tank: _____ Gallons

No grading or construction activity is allowed in areas designated for system and repair without approval of Health Department.

*Site Modifications

The issuance of this permit by the 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.

*Permit Conditions

System permitted under G.S. 130A-335(a2). System laid out in field by soil scientist. Stay within suitable soil area designated by soil scientist. Min. 50' off wells.

CDP File Number: 471651

County ID Number:

The Department and Local Health Department may impose conditions on the issuance and may revoke the permits for failure of the system to satisfy the conditions, the rules, or this article. This permit is subject to revocation if the site plan, plat, or intended use changes (NCGS 130A-335(f)). The person owning or controlling the system location, installing, operation, maintenance, monitoring, reporting, and repair (per rule .0301((a)).

Authorized State Agent:

Bullock, Will

Will Bullock

Date of Issue:

07/08/2026

Total Time: (HH:MM)

☐ Hand Drawing

☒ Import Drawing

****Site Plan/Drawing attached.****

____ : ____



Construction Authorization

Granville Vance Public Health
Environmental Health
PO Box 367
Oxford, NC 27565

Phone: (252) 492-5263 Fax: (252) 492-2361

For Office Use Only

*CDP File Number: 471651 - 1

County ID Number:

Evaluated For: NEW

PERMIT VALID UNTIL: 07/08/2031

☐ Open Pump System Sheet

Applicant: NEWLEAF CAPITAL SOLUTIONS LLC

Address: 2212 ANCONA LANE

City: RALEIGH

State/Zip: NC 27613

Phone #: home: (919) 438-5588

Property Owner: ROBERT BROWN

Address: 2054 FLINT ROAD

City: FRANKLINTON

State/Zip: NC. 27525

Phone #: home: (910) 672-6372

Property Location & Site Information

Address/Road #: 2054 FLINT ROCK ROAD
FRANKLINTON, NC 27525

Subdivision: FLINT ROCK
FARMS

Phase: NEW Lot: 46

Directions:

Structure: SINGLE FAMILY

GPS

of Bedrooms: 4

of People: 8

*Water Supply: NEW WELL

System Specifications

Usuable Soil Depth: 27

Minimum Trench Depth: 12 Inches

Design Flow: 480

Maximum Trench Depth: 12 Inches

Soil Application Rate: 0.3000

Minimum Soil Cover: 8 Inches

*System Classification/Description:

Type IIb - Accepted Wastewater Gravity System

Maximum Soil Cover: 10 Inches

*Proposed System:

25% REDUCTION

*Distribution Type: GRAVITY - PARALLEL (eq. d-box)

Nitrification Field: 1200 Sq. ft.

Septic Tank: 1,000 Gallons

No. Drain Lines: 5

Pump Required: ☐ Yes ☒ No ☐ May Be Required

Total Trench Length: 400 ft.

☐ Inches O.C.

Pump Tank: Gallons

☒ Feet O.C.

Trench Spacing: 9 -

☐ Inches

Grease Trap: Gallons

Trench Width: 3 -

☒ Feet

Aggregate Depth: inches

Septic Tank Installer

Grade Level Required: ☐ I ☐ II ☐ III ☐ IV

The issuance of this permit by the 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.

*Permit Conditions:

System permitted under G.S. 130A-335(a2). System laid out in field by soil scientist. Stay within suitable soil area designated by soil scientist. Min. 50' off wells. Haul in 8-10" of approved cover, extending 5' past system, sloped to drain.

The Authorization for Wastewater System Construction shall be valid for a period equal to the period of validity of the Improvement Permit and may be issued at the same time the Improvement Permit issued (NCGS 130A-336(b)). If the installation has not been completed during the period of validity of the Construction Permit, the information submitted in the application for a permit or Construction Authorization shall become invalid, and may be suspended or revoked (0204(k)(1)). The person owning or controlling the system shall be responsible for assuring compliance with the laws, rules, and permit conditions regarding system location, installation, operation, maintenance, monitoring, reporting and repair (per rule .0301(a)).

Authorized State Agent: Bullock, Will

Date of Issue: 07/08/2026

☐ Hand Drawing

☒ Import Drawing

Site Plan/Drawing attached.

Total Time : (HH:MM)

ADDENDUM TO G.S. 130A-335(a2) SUBMITTAL

County: Granville

PIN/Lot Identifier: 2054 Flint Rock Road

Issued To: Newleaf Capital Solutions LLC

Additional Improvement Permit Conditions:

This permit package is for a Session Law 2023-90 A2 Improvement Permit only.

A Construction Authorization permit will also be required for this project.

A well permit will also be require and issued by Granville County Health Department.

Soil evaluated for domestic strength wastewater only.

Septic system on these soils shall not exceed 480 gpd or 4 bedrooms.

Do not grade, compact or disturb the soil in the proposed septic system area.

Deep plumbing sewer pipe stub outs may require pump septic systems.

Storage of materials, grading, cuts and fills over the proposed septic field may require revocation of the improvement permit.

Submit the attached common form, report, and map with signature and an application(if required) to the Health Department for permit issuance.

Additional Construction Authorization Conditions:

This document is not for a Construction Authorization.

Soil Map Site Plan for A2 Septic System

Improvement Permit

June, 2026

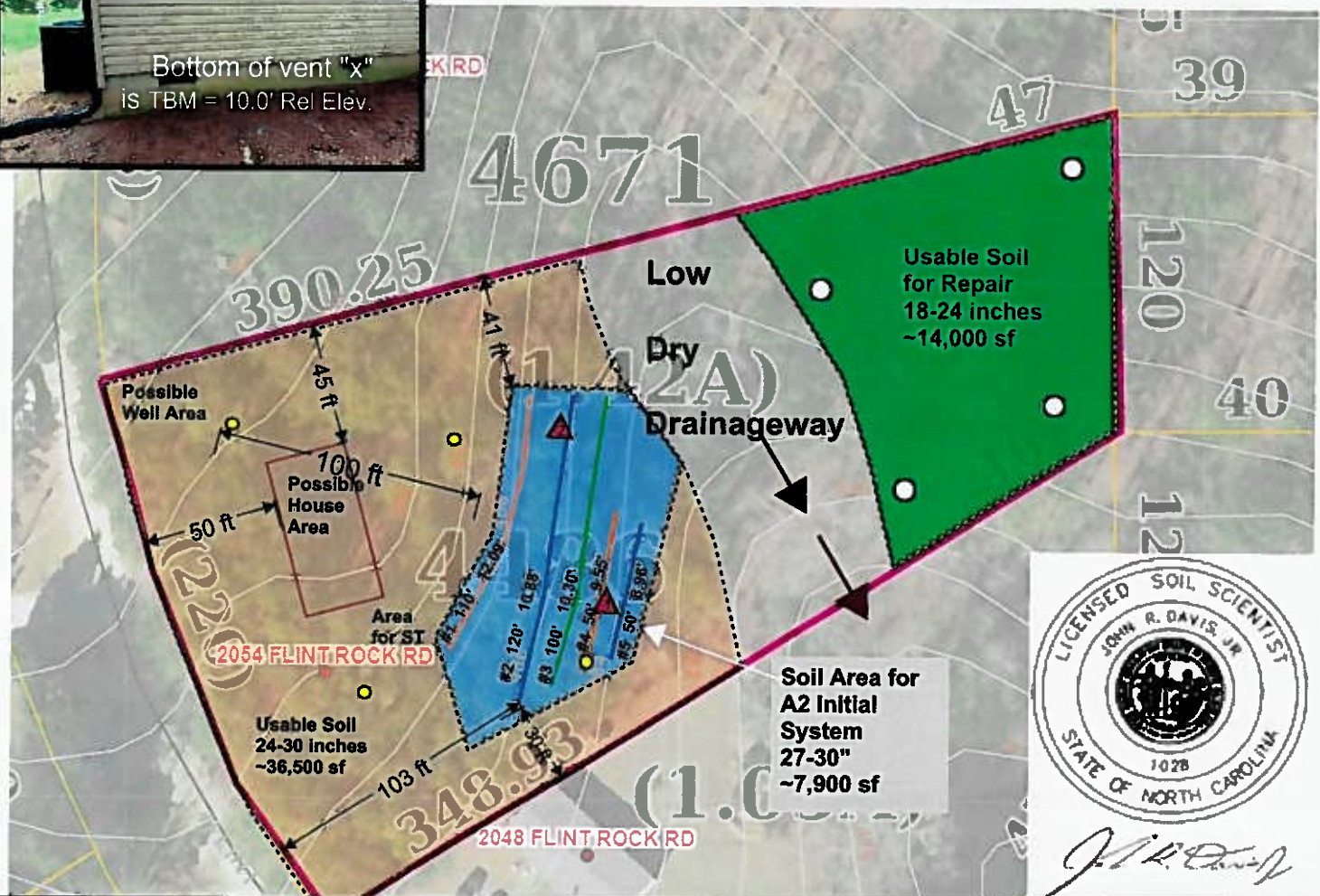
2054 Flint Rock Road

John R. Davis, Jr. LSS

Granville County, NC



60 ft



John R. Davis, Jr.

The Soil Area shown in "Blue" shading is Suitable and Usable for shallow Accepted gravelless septic trenches. The soil is sandy loam over clay with depths to redoximorphic features greater than 27 inches below the surface. A four bedroom house septic system generally requires 5,000 square feet of usable soil with a LTAR of 0.3 gpd/sqft. This area has about 7,900 square feet of usable soil so there is adequate soil for the proposed use. There is 430 feet of trench flagged in the field on contour with colored pin flags in this usable soil area to aid in the issuance of a Construction Authorization by the local health dept. With the proposed house location, a gravity septic system may be permitted in this area. The house and well may be relocated as needed but must meet the regulatory setbacks. The relative elevation of the proposed flagged trenches are shown on base on a temporary benchmark. The Soil Area shown in "Green" shading is Suitable and Usable for pump to alternative septic drip trenches with shallower soil depths. The soil is sandy loam over clay with depths to saprolite between 18 and 24 inches below the surface. The unshaded area is in a low drainageway landscape position and unsuitable for septic systems. This information is to be used with the A2 Improvement Permit method. See attached A2 IP documents and soil profile descriptions.

2054 Flint Rock Road Improvement Permit Calculations:

Bedrooms: 4 not to exceed 8 people

Design Daily Flow (15A NCAC .0401 (a)): 4-bedroom x 120 gpd/bedroom = 480 gpd, domestic strength wastewater, Three bedroom houses also acceptable as desired.

Initial and Repair Soil LTAR: 0.3 gpd/ft² and 0.15 gpd/ft² drip repair

Trench Bottom Square Footage Required: 480 gpd/0.3 gpd/ft² = 1,600 ft²

Drainfield Linear Trench Requirement: 1,600 ft²/ 4 ft trench = 400 ft. Accepted **25% Accepted Trench (Chamber or EZ Flow)**

Usable Soil Depth – Initial and Repair: 27-30" and 18-24" repair

Initial and Repair System Maximum Trench Depth: 12" downslope

Initial System Type: IIb

Repair System Type: Va

Initial Trench Required: 400' x 3' of 25% Accepted Trench.

System Distribution: Gravity flow to serial or parallel distribution.

Repair Trench Required: 1,600' linear feet drip tube in an area > 3200 sf

Site Conditions for Improvement Permit :

1. This permit package is for a Session Law 2023-90 a2 Improvement Permit only.
2. A Construction Authorization will be required for this project.
3. A Well permit will be required for this project from the Granville County Health Department.
4. This system is designed for domestic strength effluent only. No garbage disposal, garbage grinders, floor drains, water softener backwash, fats, oils, greases (FOG), medical waste, industrial process, or other high strength wastewater should be added to the waste stream served by the system. No lawn sprinkler irrigation systems allowed in the septic field. No flushable wipes should be placed into the septic system since those do not break down.
5. Design Daily Peak Flow: 480 gpd, this flow allows for 4 bedrooms (120 gpd/bedroom) or 8-person (60 gpd/person) occupancy. It is recommended to regularly operate the system at 50-60% of daily design peak flow to maintain the system at optimum performance.
6. No vertical cuts of 2' or more within 15' of designated approved soil septic area.
7. Final plumbing stub out elevation may require a pump system for gravity systems.
8. Make sure property lines are marked prior to installation.
9. Construct protective fencing around the soil area to protect from grading, compaction, and construction traffic.
10. Storage of materials, cuts and fill over septic area could result in revocation of the permit. Take care in clearing the septic area to minimize soil disturbance and compaction.
11. Submit the attached common form and map with signature and an application(if required) to the Health Department.

Septic System Setbacks - 15A NCAC 18E .0601 Location of Sanitary Sewage Systems:

.0601 LOCATION OF WASTEWATER SYSTEMS

(a) Every wastewater system shall be located with the minimum setbacks from the site features specified in Table IX. The setback shall be measured on the ground surface, unless otherwise specified in this Rule, from the nearest wastewater system component sidewall or as otherwise specified in a system specific rule or PIA Approval.

TABLE IX. Minimum setbacks from all wastewater systems to site features

Site Features	Setback in feet
Any transient or non-transient non-community water supply well, community well, shared water supply well, well that complies with 15A NCAC 18A .1700, or water supply spring	100
A private drinking water well or upslope spring serving a single-family dwelling unit, including wastewater systems permitted or installed in saprolite	50
Any other well or source not listed in this table, excluding monitoring wells	50
Surface waters classified WS-I, from ordinary high-water mark	100
Waters classified SA, from mean high-water mark	100
Any Class I or Class II reservoir, from normal water level	100
Lake or pond, from normal water level	50
Any other stream, non-water supply spring, or other surface waters, from the ordinary high-water mark	50
Tidal influenced waters, such as marshes and coastal waters, from mean high-water mark	50
Permanent stormwater retention basin, from normal water level	50
Any water line, unless the requirements of Paragraph (i) have been met	10
Closed loop geothermal wells	50
Building, or new construction on a foundation, where applicable	15
Deck supports, stairs/ steps, and drip-edge where applicable	5
Patio, porch, stoop, lighting fixtures, or signage, including supporting structures such as posts or pilings	1
Any basement, cellar, or in-ground swimming pool	15

Buried storage tank or basin, except stormwater	10
Above ground swimming pool and appurtenances that require a building permit	15
Top of slope of embankment or cuts of two feet or more vertical height with a slope greater than 50 percent	15
Top of slope of embankment or cuts of two feet or more vertical height with a slope greater than 33 percent and less than or equal to 50 percent	15
	If the site has suitable soil depth that extends for a minimum horizontal distance of 15 feet from the edge of the dispersal field, no minimum setback is required.
Top of slope of embankment or cuts of two feet or more vertical height with a slope less than or equal to 33 percent	0
Groundwater lowering system, as measured on the ground surface from the edge of the feature	25
Downslope interceptor drains	25
Surface water diversions with a vertical cut of more than two feet, as measured on the ground surface from the edge of the feature	15
Upslope interceptor drains	10
Sideslope interceptor drains	15
Surface water diversions with a vertical cut of more than two feet, as measured on the ground surface from the edge of the feature	15
~~A stormwater collection system as defined in 15A NCAG 02H .1002(48), excluding gutter drains that connect to a stormwater collection system, with a vertical cut of more than two feet as measured from the center of the collection system~~	~~40~~
Bio-retention area, injection well, infiltration system, or dry pond	25
Any other dispersal field, except designated dispersal field repair area for project site	20
Any property line	10
Burial plot or graveyard boundary	10
Above ground storage tank from dripline or foundation pad, whichever is more limiting	5
Utility transmission and distribution line poles and towers, including guy wires, unless a greater setback is required by the utility company	5
Utility transformer, ground-surface mounted	5
Underground utilities	5