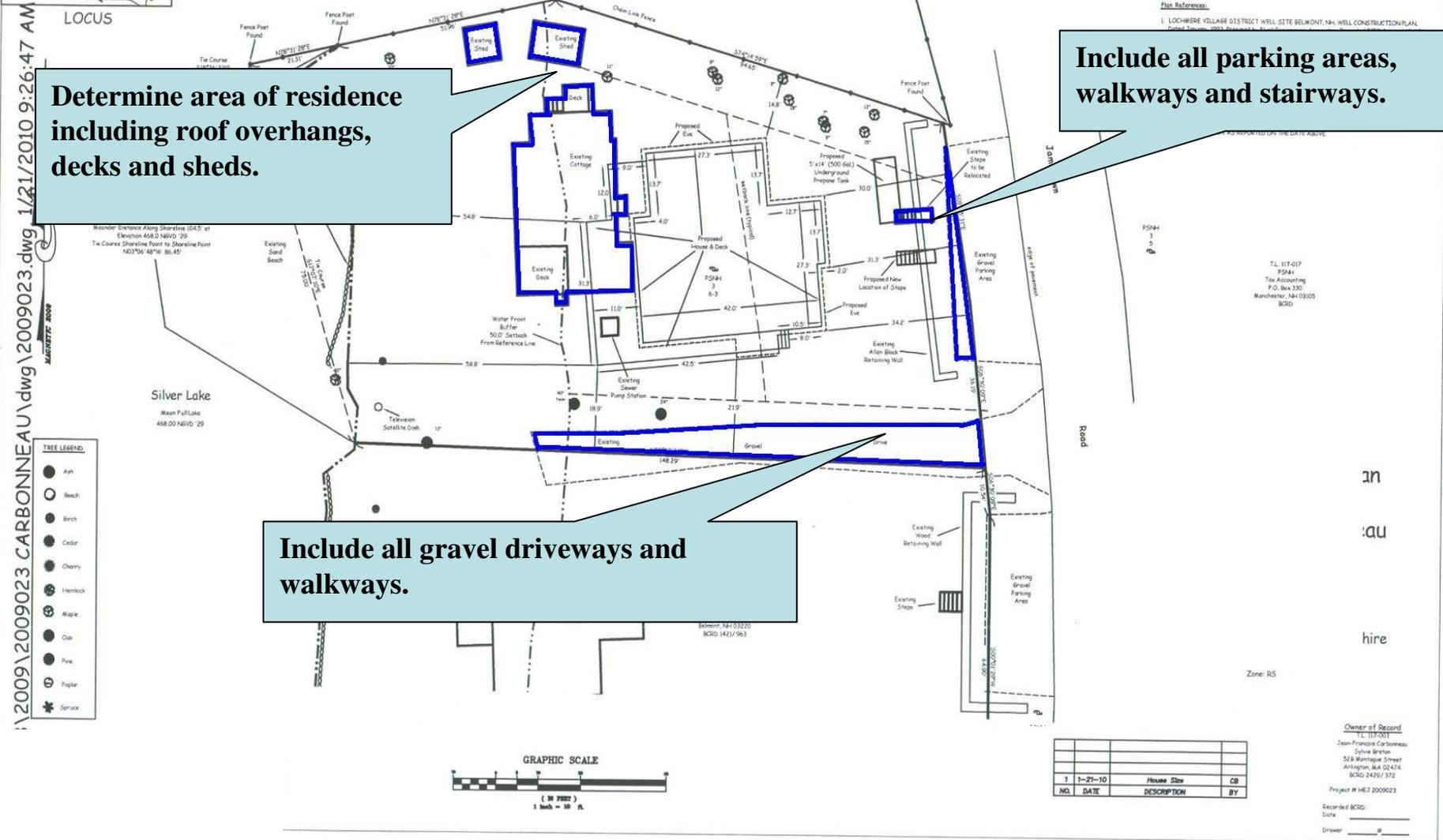
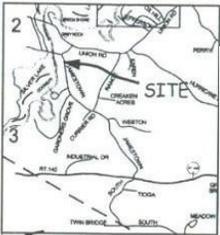


Instructions for Completing the Shoreland Application Worksheet



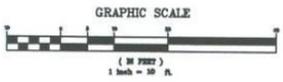
Determine Pre-Construction Impervious Area



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TREE LEGEND

- Ash
- Beech
- Birch
- Cedar
- Cherry
- Hemlock
- Maple
- Oak
- Pine
- Poplar
- Spruce



NO.	DATE	DESCRIPTION	BY
1	7-27-10	House Size	CB

Owner of Record
 117-017
 Jean-Francois Carbonneau
 528 Montague Street
 Arlington, MA 02474
 BCID 2425/372
 Project # HEJ 2009023
 Recorded BCID:
 Date: _____
 Drawer: _____



Shoreland Application Worksheet



This form must be submitted to the Department of Environmental Services Wetlands Bureau accompanied with a Shoreland Permit Application

For the purposes of this worksheet, "Pre-Construction" impervious areas means all human made impervious surfaces currently in existence on the property, whether to be removed or to remain after the project is completed. "Post-Construction" impervious area means all impervious surfaces that will exist on the property upon completion of the project, including both new and any remaining pre-existing impervious surfaces. All answers shall be given in square feet.

Calculating the Impervious Area Within 250 feet of the Reference Line

	<u>Structure Description</u>	<u>Pre-Construction Impervious Area</u>	<u>Post-Construction Impervious Area</u>
Primary structure: (Including all attached decks and porches)	<u>House and deck</u>	<u>2,200 sq ft</u>	
Accessory structures: (All other impervious surfaces excluding lawn furniture, well heads, fences and septic systems)	<u>Parking areas</u>	<u>1,000 sq ft</u>	
	<u>Stairs</u>	<u>100 sq ft</u>	
	<u>Shed 1</u>	<u>250 sq ft</u>	
	<u>Shed 2</u>	<u>100 sq ft</u>	
	Total:	<u>3,650 sq ft (A)</u>	
Area of the lot located within reference line:			
Percentage of lot within 250 ft of reference line that is impervious area within 250 ft of reference line: [Divide (A) by (C) x 100]			
Percentage of lot within 250 ft of reference line that is pre-construction impervious area within 250 ft of reference line: [Divide (A) by (C) x 100]			
Percentage of lot within 250 ft of reference line that is post-construction impervious area within 250 ft of reference line: [Divide (B) by (C) x 100]			

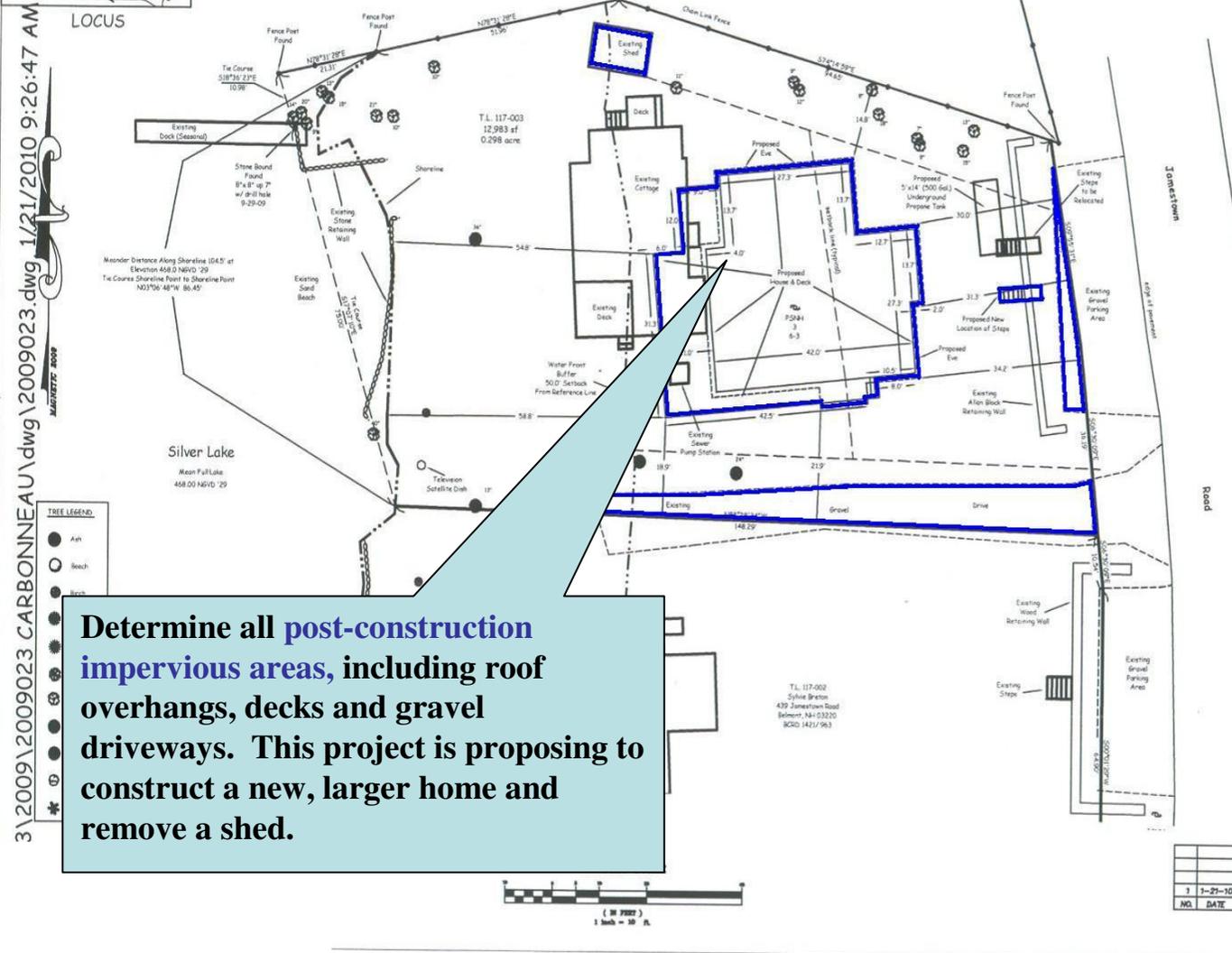
Separate each structure as best as possible.

Note: If the percentage of post-construction impervious area is greater than 20% of the lot within the protected shoreland, a stormwater management plan is required pursuant to RSA 483-B:9, V (g)(2)



Determine Post-Construction Impervious Area

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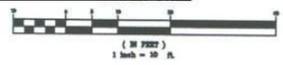
Determine all post-construction impervious areas, including roof overhangs, decks and gravel driveways. This project is proposing to construct a new, larger home and remove a shed.

Legend

- Plan Reference:**
1. LOCKHRENE VILLAGE DISTRICT WELL SITE BELMONT, NH, WELL CONSTRUCTION PLAN, Dated January, 1993, Prepared by Flatt Engineering Associates, Drawn L3 495A.
 2. RE-DRAFT OF A SURVEY FOR ETHOL, NH/ES, Dated June 21, 1995, Prepared by David R. Hayes, Recorded BCRD Drawer L23 #44.
- Notes:**
1. FIELD SURVEY PERFORMED IN SEPTEMBER 2009, USING A TOPCON GPT 3003W. TOTAL STATION ERROR OF CLOSURE IS BETTER THAN 1 PART IN 10,000.
 2. SHORELINE OF SILVER LAKE WAS MAPPED ON SEPTEMBER 15, 2009 AT ELEVATION 468.00 NAVD 29. SA TULIA WIANZDESALKEE DATA, PHONE (527-0071) ELEVATION 464.83 AS REPORTED ON THE DATE ABOVE.

TREE LEGEND:

●	Ash
○	Beech
○	Maple
○	Oak
○	Pine
○	Red Pine
○	White Pine
○	Yew



NO.	DATE	DESCRIPTION	BY
1	3-21-10	House Site	CB

Owner of Record:
 T.L. 117-003
 Jean-Francois Carbonneau
 Sylvie Breton
 528 Montague Street
 Arlington, MA 02474
 BCRD 2426/372
 Project # H-E3 2009023
 Recorded BCRD:
 Date: _____
 Drawer: # _____



Shoreland Application Worksheet



This form must be submitted to the Department of Environmental Services Wetlands Bureau accompanied with a Shoreland Permit Application

For the purposes of this worksheet, "Pre-Construction" impervious areas means all human made impervious surfaces currently in existence on the property, whether to be removed or to remain after the project is completed. "Post-Construction" impervious area means all impervious surfaces that will exist on the property upon completion of the project, including both new and any remaining pre-existing impervious surfaces. All answers shall be given in square feet.

Calculating the Impervious Area Within 250 feet of the Reference Line

<u>Structure Description</u>	<u>Pre-Construction Impervious Area</u>	<u>Post-Construction Impervious Area</u>
Primary structure: (Including all attached decks and porches)	<u>House and deck</u> <u>2,200 sq ft</u>	<u>3,000 sq ft</u>
		<u>1,000 sq ft</u>
		<u>100 sq ft</u>
		<u>0</u>
		<u>100 sq ft</u>
		<u>4,400 sq ft</u>
		<u>20,000 sq ft</u>
		<u>18.25 %</u>
		<u>22.0 %</u>

If the post-construction impervious area will exceed 20% or increases on a lot that had a pre-construction impervious area greater than 20%, a stormwater management system must be implemented.

If the post-construction impervious area exceeds 30%, the applicant must assure that each waterfront buffer grid segment meets at least the minimum required tree, sapling, shrub and groundcover score and/ or must provide a planting plan to demonstrate how each deficient grid segment will meet at least the minimum required point score *and* a stormwater management plan must be designed and certified by a professional engineer that will not concentrate stormwater runoff or contribute to erosion.

greater than 20% of the lot within the
rsuant to RSA 483-B:9, V (g)(2)

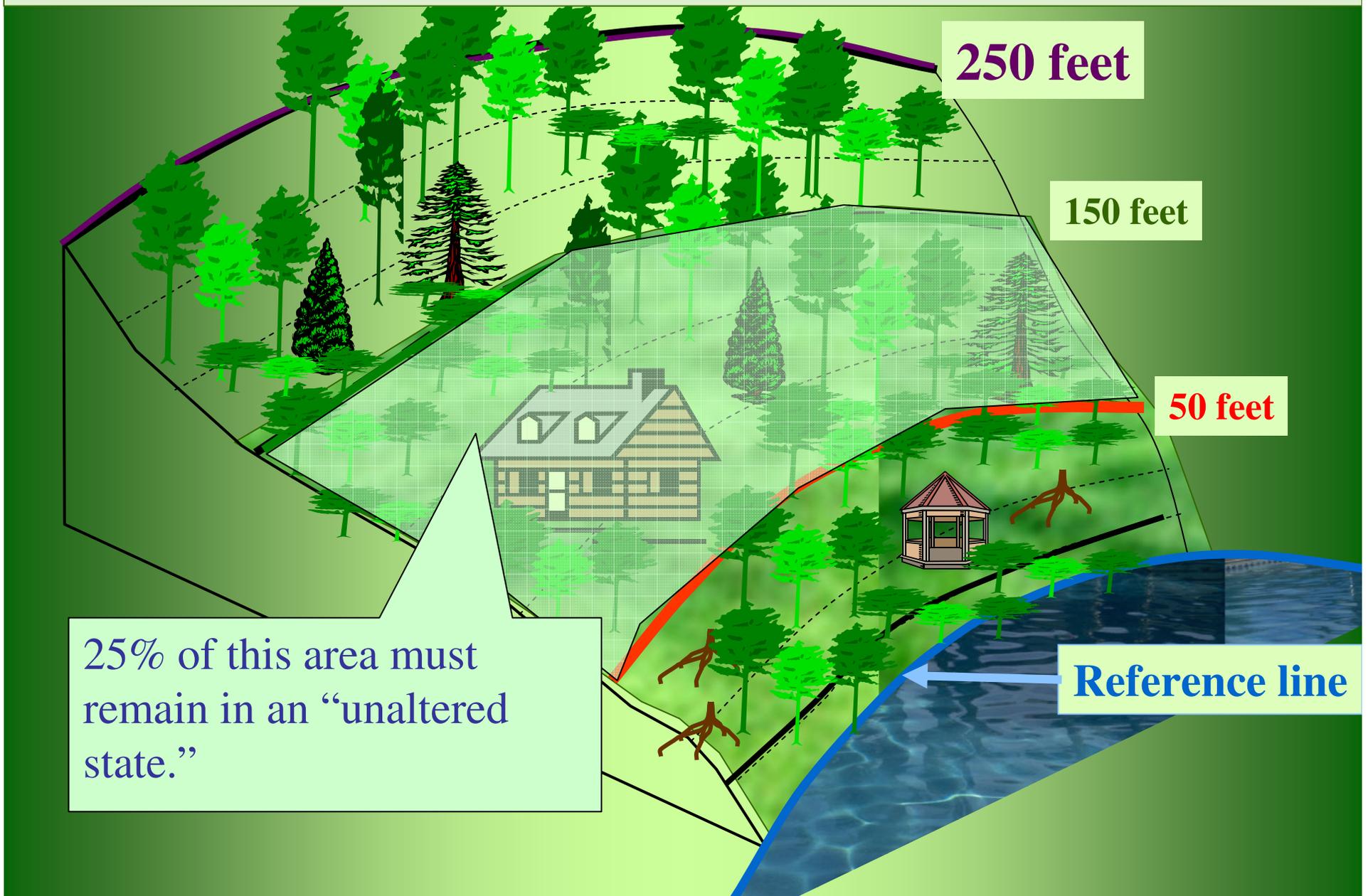
THIS FORM IS REQUIRED WITH ALL APPLICATIONS

Calculating the Area to Remain in an “Unaltered State”



“Unaltered State” means vegetation, including ground cover, allowed to grow without cutting, limbing, trimming, pruning and mowing or other activities except as needed for plant health and maintenance.

The “Unaltered State” requirement pertains to the vegetation between 50 feet and 150 feet from the reference line.



Lawn is an altered area

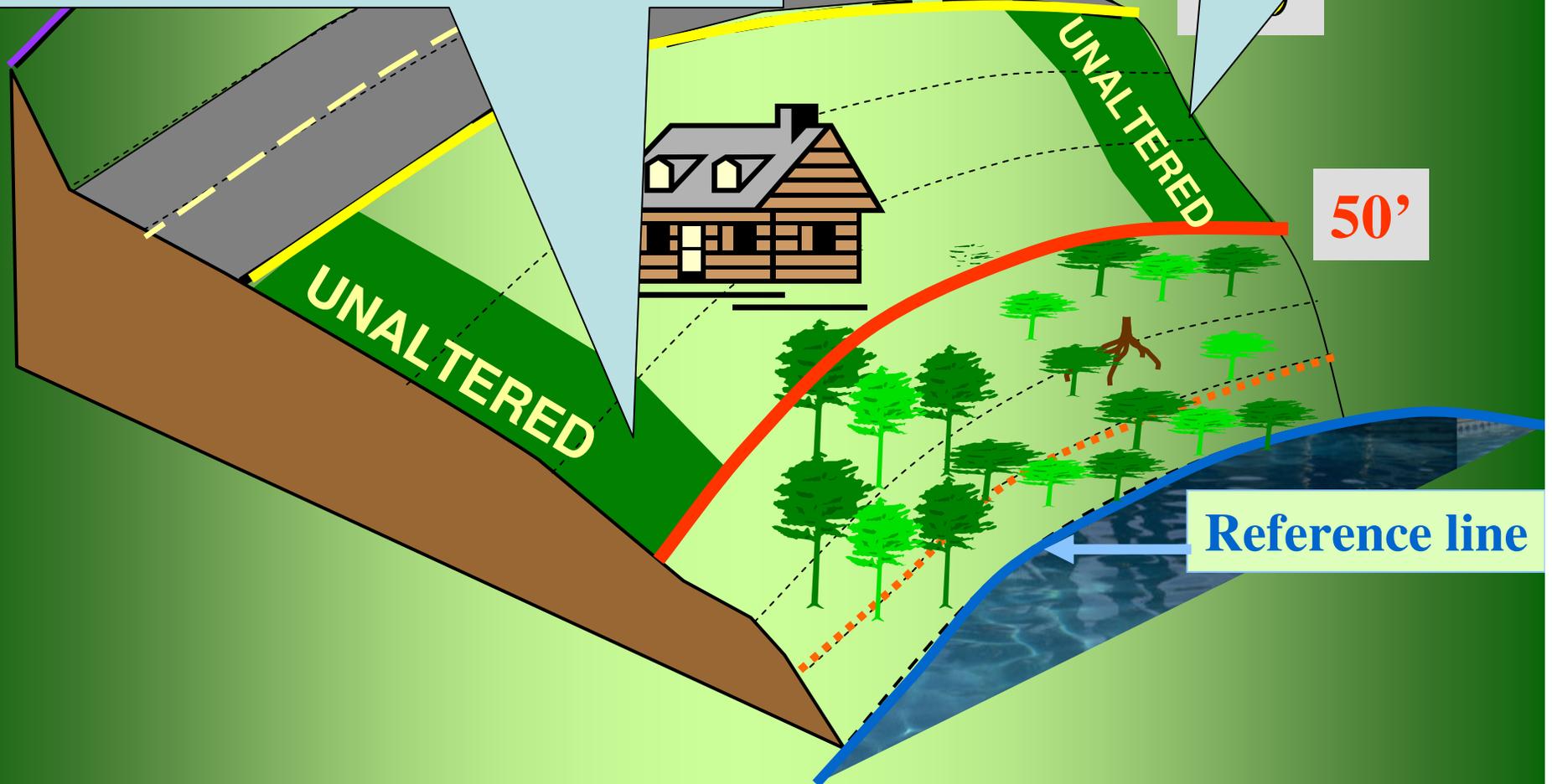
Lawn is not considered an “unaltered surface.”



The area above the red line is “unaltered area”

Owners of undeveloped lots often elect to allow two regions to remain in an unaltered state. This method allows for better views of the waterbody and provides a greater level of privacy.

It is permissible to allow multiple areas to remain in an unaltered state.



Calculating “F,” and ”G” of the Shoreland Application Worksheet:

Calculating the Area to Remain in an Unaltered State

Total area of the lot between 50 ft and 150 ft of the reference line currently existing in an unaltered state ³ (See definition below). If this area is completely altered, place a zero on line (F) and (I) and proceed to (J).	<input type="text"/>	(F)
Total area of the lot between 50 ft and 150 ft from the reference line	<input type="text"/>	(G)
At least 25 percent of the vegetation within area (G) must remain in an unaltered state.		
Minimum area required to remain in an unaltered state: [.25 x (G)]	<input type="text"/>	(H)
Place the smaller of line (F) and calculation (H) on this line: In order to remain compliant with RSA 483-B:9, V(b), this is the minimum area that must remain in an unaltered state between 50 ft and 150 ft from the reference line. This area must be represented on all plans.	<input type="text"/>	(I)
Name of person who prepared this worksheet:	<input type="text"/>	(J)
Name and date of the plan this worksheet is based	<input type="text"/>	(K)

Calculating the total area of the lot between 50 ft and 150 ft of the reference line currently existing in an unaltered state. **Calculation: (F)**

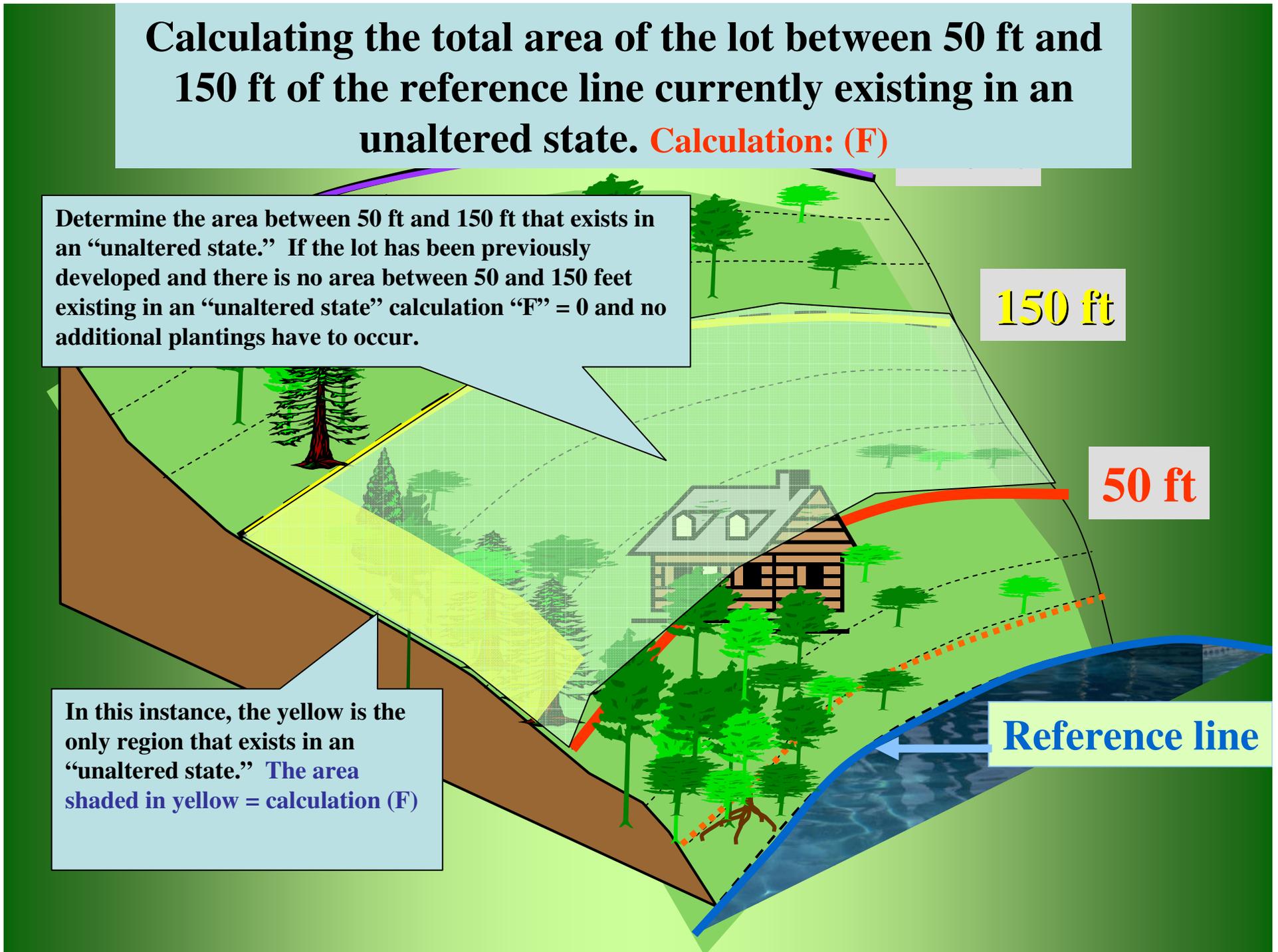
Determine the area between 50 ft and 150 ft that exists in an “unaltered state.” If the lot has been previously developed and there is no area between 50 and 150 feet existing in an “unaltered state” calculation “F” = 0 and no additional plantings have to occur.

150 ft

50 ft

Reference line

In this instance, the yellow is the only region that exists in an “unaltered state.” The area shaded in yellow = calculation (F)



Calculating the total area of the lot between 50' and 150' from the reference line. **Calculation: (G)**

