

Descriptions of Mitigation Measures from Site Map

1. Future Mitigation Features Planned for This Project:

A – This area will contain a series of absorption pits to filter and slow water running down this route. Each one will have overflow directed into the pit below. These will be dug and filled with stone to follow the already existing contour of the grade.

B – There will be an infiltration trench here. Currently there currently is very compacted soil here. On the lake side of the trench will be a small berm, and the trench will be filled with stone to filter and slow down water flowing into the lake. There may be some absorption pits depending on the location of tree roots or other underground findings. This trench was recommended by a professional who visited from the Lake Wise program several years ago.

C – Small infiltration trench with overflow directed into rain garden below.

D – A riparian buffer will be installed here to slow the water headed to the drainage ditch below. Originally we planned on installing a rain garden here, but the grade is steep and therefore it is more effective to install a riparian buffer.

F & G – All of these locations will have rain gardens installed. The run off from the roof of the upper house will be directed into one or two of these rain gardens either directly or via the use of a rain barrel.

E – A rain barrel will be added to the office, which will take run off from the roof and help direct it to the rain garden to the south of the office building.

2. Mitigation Features Already In Place or to be Installed by September 4th, 2026:

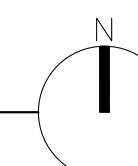
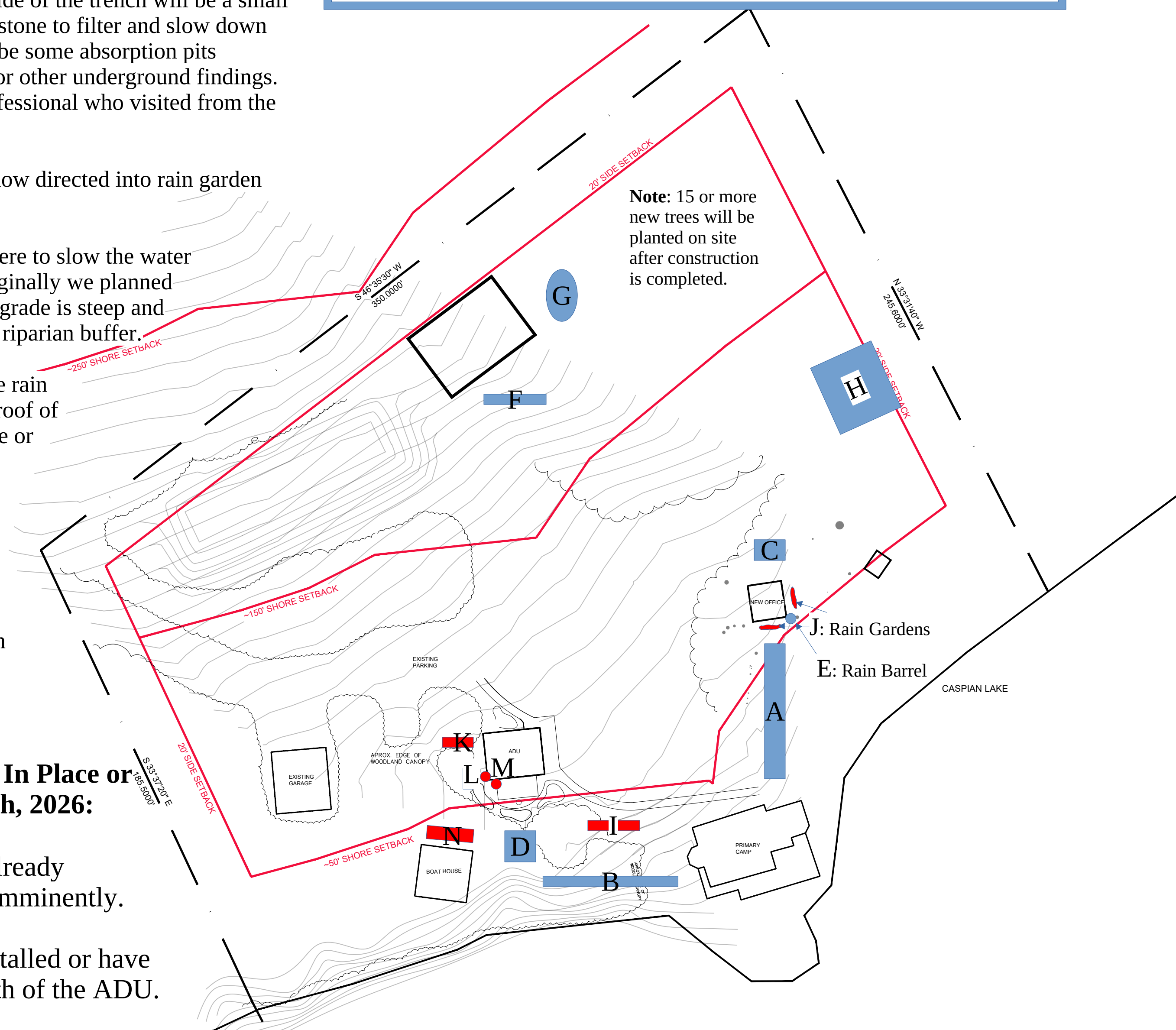
I, J, K, & L – Five rain gardens already on the property or to be installed imminently.

M – Two rain barrels are to be installed or have been installed to the west and south of the ADU.

J, & N – Shallow stone infiltration trenches are installed to help with run off from the boat house and office roofs.

H – This 32 ft x 41 ft lawn area, measuring approximately 1,312 square feet, will be replaced with native vegetation. This area plus the area in **D** (the riparian buffer) of 275 square feet will sum to at least 1,587 square feet of current lawn which will be converted to native vegetation.

NOTE: Red indicates mitigation features from previous projects, and blue indicates future mitigation features proposed.



Note: Each blue triangle represents a tree that was planted in the summer of 2026



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PROPOSED SITE PLAN

1/32"=1'-0"

