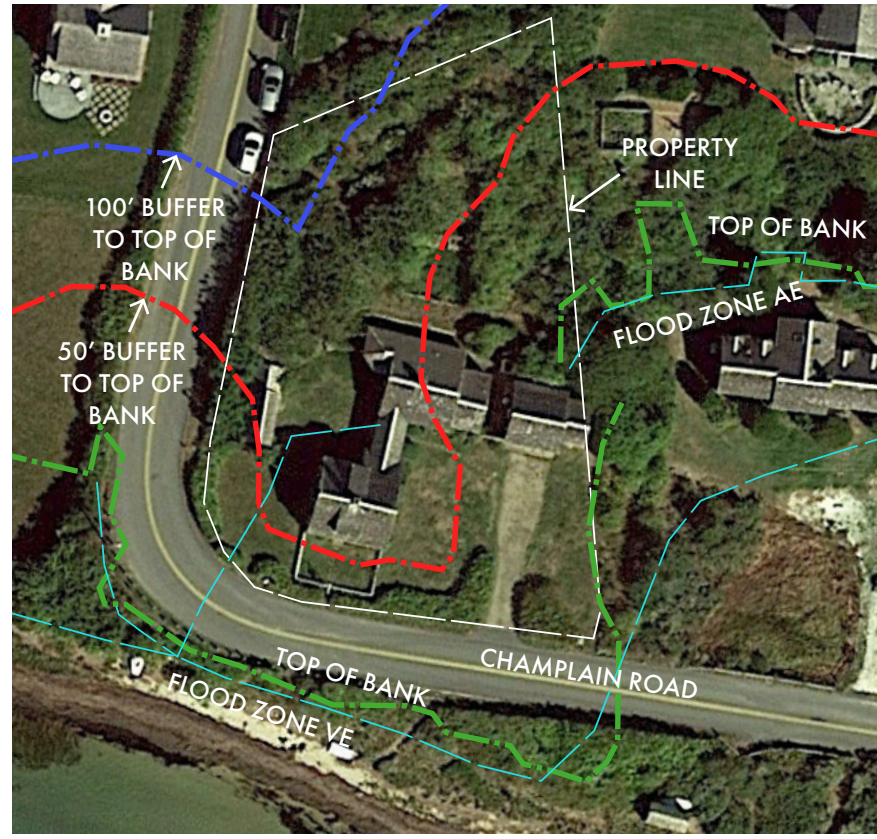


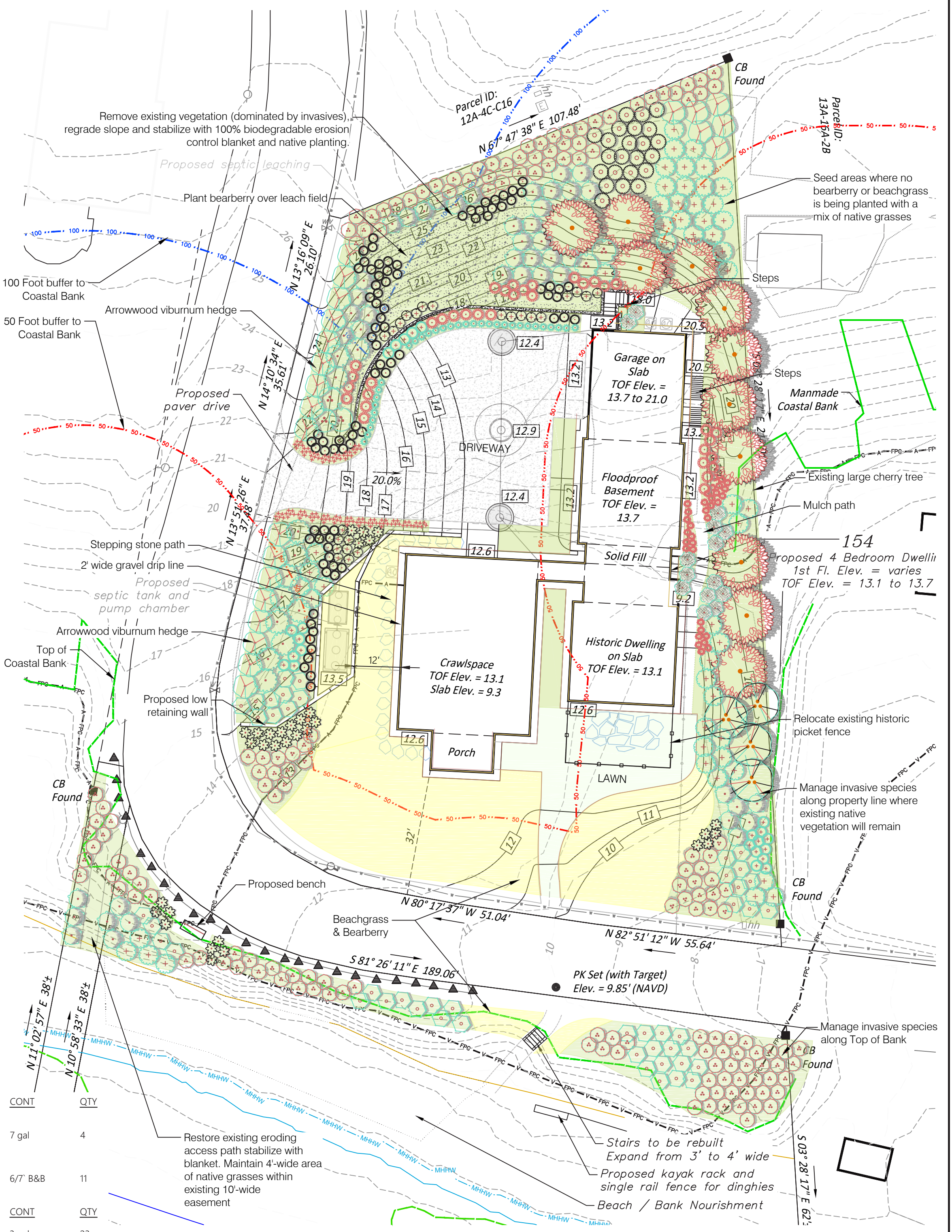
PROJECT AREA



Google Earth image of the project area at 154 Champlain Road in Chatham, MA.

PLAN NOTES

- Site plan provided by East South-East LLC.
- This plan proposes to raze and rebuild an existing single family dwelling, which will result in an increase of 1,330 square feet of building, hardscape and pervious hardscape in the 0-50' buffer to the Top of Bank, and a 3,180 square foot increase in the 50-100' buffer.
- A total of 15,700 square feet on the property will be restored to native, naturalized vegetation on the coastal bank and within the Adjacent Upland Resource Areas. Existing vegetation along the north and west sides of the property (much of which is dominated by invasive species) will be removed to allow for regrading and installation of the proposed septic system. Steep slopes will then be stabilized with 100% biodegradable coconut fiber erosion control blanket and planted with native grasses and shrubs (see species list below).
- Existing lawn area will be significantly reduced.
- Invasive species on site that will be managed/removed include Asiatic bittersweet (*Celastrus orbiculatus*), Japanese knotweed (*Fallopia japonica*), shrub honeysuckle (*Lonicera morrowii/bella*), border privet (*Ligustrum obtusifolium*), and autumn olive (*Elaeagnus umbellata*). Invasive plants will be selectively treated with an EPA-approved systemic herbicide and removed mechanically and by hand.
- All vegetation debris will be removed from the site and brought to an off-site disposal area.
- Follow up invasive species management will be ongoing over the next three growing seasons. Please see the accompanying Land Management Plan for a detailed protocols and time-line for invasive species management.
- Woody vegetation will be planted after invasive species removal has occurred. The property will be planted with a total of 470 native shrubs, 3,435 herbaceous grasses and perennials (includes bareroot beachgrass plugs), and 15 native trees (see Plant Schedule for details).
- Temporary irrigation will be required for the first two to three growing seasons while plants establish. Once plants are established irrigation will be removed.



PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT	QTY
	<i>Amelanchier canadensis</i> / Serviceberry	7 gal	4
	<i>Juniperus virginiana</i> 'Emerald Sentinel' / Eastern Red Cedar	6/7' B&B	11
SHRUBS	BOTANICAL / COMMON NAME	CONT	QTY
	<i>Aronia melanocarpa</i> / Chokeberry	3 gal	23
	<i>Clethra alnifolia</i> / Summersweet	3 gal	14
	<i>Comptonia peregrina</i> / Sweet Fern	1 gal	35
	<i>Hydrangea quercifolia</i> / Oakleaf Hydrangea	7 gal	12
	<i>Myrica pensylvanica</i> / Northern Bayberry	3 gal	51
	<i>Physocarpus opulifolius</i> / Ninebark	7 gal	5
	<i>Potentilla fruticosa</i> / Bush Cinquefoil	3 gal	32
	<i>Prunus maritima</i> / Beach Plum	3 gal	47
	<i>Rhus aromatica</i> / Fragrant Sumac	3 gal	157
	<i>Rosa carolina</i> / Pasture Rose	3 gal	47
	<i>Rosa x Drift</i> / Drift Rose	2 gal	24
	<i>Viburnum dentatum</i> 'Chicago Luster' / Chicago Luster Arrowwood	15 gal	23

GRASSES	BOTANICAL / COMMON NAME	CONT	QTY
	<i>Deschampsia cespitosa</i> / Tufted Hair Grass	1 gal	33
	<i>Panicum virgatum</i> / Switch Grass	2 gal	85
	<i>Panicum virgatum</i> / Switch Grass (large)	3 gal	23
	<i>Sporobolus heterolepis</i> / Prairie Dropseed	1 gal	32
PERENNIALS	BOTANICAL / COMMON NAME	CONT	QTY
	<i>Waldsteinia fragarioides</i> / Appalachian Barren Strawberry	1 gal	119
GROUND COVERS	BOTANICAL / COMMON NAME	CONT	QTY
	<i>Arctostaphylos uva-ursi</i> / Bearberry	1 gal	500
	American Beachgrass / <i>Ammophila brevipedunculata</i>	bareroot	2,400

AREA TO BE PLANTED WITH BEACHGRASS AND BEARBERRY

RESTORED TO NATURALIZED NATIVE VEGETATION INCLUDING WOODY SHRUBS AND PERENNIAL GRASSES

PROPOSED LAWN

NATIVE GRASS SEED MIX
Agrostis perennans / Autumn Bentgrass
Festuca ovina / Sheep Fescue
Festuca rubra / red fescue
Juncus tenuis / Path rush
Schizachyrium scoparium / Little Bluestem Grass

