

**ALTERATION AND MITIGATION CALCULATIONS:**

**PW BUFFER ZONE ALTERATION CALCULATIONS:**  
 0'-50' (PERVIOUS) = 380± SF (NO TREE REMOVAL)  
 50'-100' (PERVIOUS) = 2,570± SF (5 TREE REMOVAL)

**HINGHAM BUFFER ZONE MITIGATION NOTES:**  
 FOR WORK WITHIN 50'-100' BUFFER ZONE:  
 1. 1:1 MITIGATION REQUIRED FOR PROPOSED IMPERVIOUS SURFACES  
 2. NO MITIGATION REQUIRED FOR PROPOSED PERVIOUS SURFACES

FOR WORK WITHIN 0'-50' BUFFER ZONE:  
 1. 2:1 MITIGATION REQUIRED FOR PROPOSED IMPERVIOUS SURFACES  
 2. 1:1 MITIGATION REQUIRED FOR PROPOSED PERVIOUS SURFACES

**PROPOSED MITIGATION:**  
 TOTAL AREA = 400 SF (W/ 5 PROPOSED TREES)

NOTE: ALTERATIONS WITHIN THE 0'-50' BUFFER ZONE ARE MINIMIZED TO THE EXTENT POSSIBLE. NECESSARY EXPANSION OF THE GRAVEL DRIVEWAY WITH STONE DAPHRAGM ARE REQUIRED PER PLANNING BOARD COMMENTS AND STORMWATER MANAGEMENT STANDARDS.

**WETLANDS MITIGATION PLANT SCHEDULE\***

SHRUBS:			
BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
Clethra Alnifolia (CA)	Sweet Pepperbush	3 GAL	2
Rhododendron (RH)	Azalea	3 GAL	2
Vaccinium Angustifolium (VA)	Lowbush Blueberry	1 GAL	2
TREES:			
BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
Acer Rubrum (AR)	Red Maple Saplings	2" CAL. MIN.	2
Pinus Strobus (PS)	Eastern White Pine	2" CAL. MIN.	3

\* MITIGATION PLANTING SCHEDULE DONE BY INDEPENDENT ENVIRONMENTAL CONSULTANTS, INC.

**MITIGATION PLANTING NOTES:**

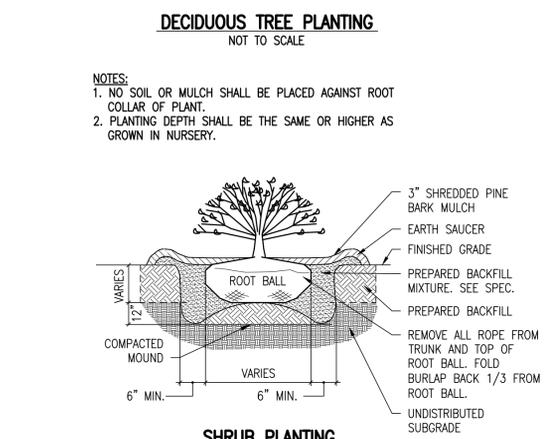
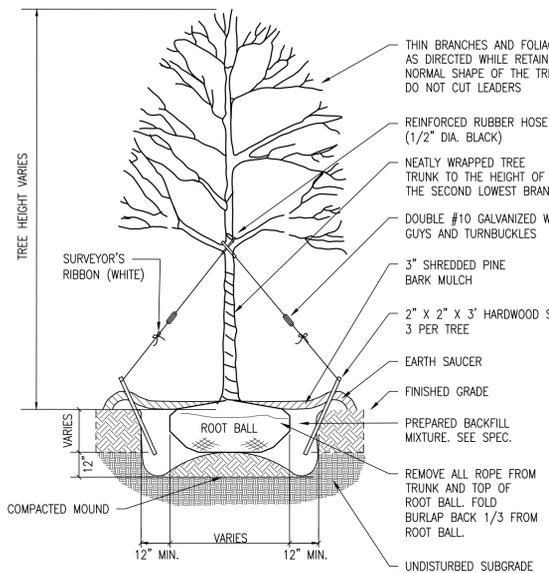
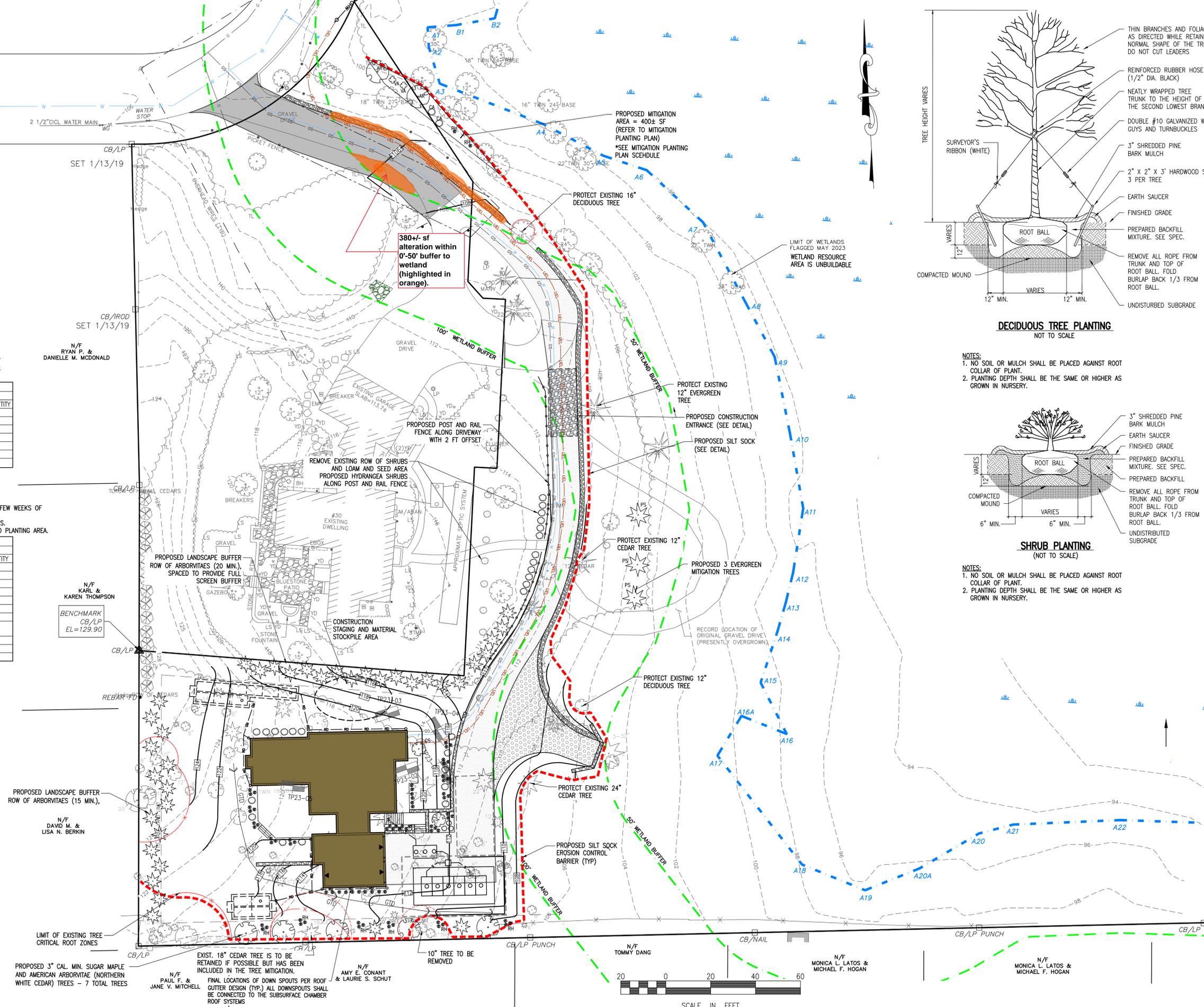
- PLANTING SHALL OCCUR DURING THE FALL GROWING SEASON.
- PROPER WATERING OF NEW SHRUBS IS REQUIRED FOR THE FIRST FEW WEEKS OF AFTER PLANTING IN LATE SEPTEMBER.
- NATIVE PLANTS WILL BE MONITORED FOR 3 FULL GROWING SEASONS.
- CONSERVATION GRASS MIXTURE WILL BE SPREAD IN THE PROPOSED PLANTING AREA.

**LANDSCAPE PLANT SCHEDULE**

SHRUBS:			
BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
Rhododendron (RH)	Azalea	3 GAL	18
Hydrangea Macrophylla (HM)	Bigleaf Hydrangea	3 GAL	3
Cornus Sanguinea (CS)	Blood Twig Dogwood	2 GAL	10
Buxus Sempervirens (BS)	American Boxwood	2 GAL	7
Ilex Crenata Compacta (IC)	Japanese Holly	3 GAL	10
Rosa Daydream (RD)	Daydream Rose	2 GAL	10
Rosa European (RE)	Floribunda Rose	3 GAL	5
TREES:			
BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
Acer Saccharum	Sugar Maple	3" CAL. MIN.	5
Thuja Occidentalis	American Arborvitae	6-8 ft	37

**LEGEND**

- DMH ○ DRAIN MANHOLE
- AC □ HVAC UNIT
- LAMP ○ LAMP POST (PRIVATE)
- MH ○ MANHOLE (UNKNOWN)
- RHT ○ ROOF HEIGHT
- ROCK ○ LARGE ROCK (BOULDER)
- SIGN ○ SIGN
- SLAB × SLAB ELEVATION
- SMH ○ SEWER MANHOLE
- TH + THRESHOLD
- TF + TOP OF FOUNDATION
- DECIDUOUS TREE
- CONIFEROUS TREE
- UP ○ UTILITY POLE
- WELL ○ WATER WELL
- POST AND RAIL FENCE
- CHAIN LINK FENCE
- 100- CONTOUR LINE
- LS LANDSCAPE AREA
- BUILDING OVERHANG
- EDGE OF POND
- GUARD RAIL
- OVERHEAD WIRES
- GTD ○ GRADE TO DRAIN
- TW ○ TOP OF WALL
- BW ○ BOTTOM OF WALL



**NOTES:**

- NO SOIL OR MULCH SHALL BE PLACED AGAINST ROOT COLLAR OF PLANT.
- PLANTING DEPTH SHALL BE THE SAME OR HIGHER AS GROWN IN NURSERY.

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**REVISIONS:**

COMMON DRIVEWAY REVISION	6/26/24
COMMON DRIVEWAY UPDATE	6/17/24
BLDG FOOTPRINT UPDATE	5/14/24
MITIGATION UPDATE	5/8/24
MITIGATION	3/15/24
BLDG. LAYOUT	3/15/24
REVIEW COMMENTS	2/16/23
SP & SITE PLAN REVIEW	12/8/23
BOH REVIEW COMMENTS	8/31/23
SAS CHAMBER LAYOUT	8/3/23

**DRAWN BY:**  
PAL

**DESIGNED BY:**  
DK/PAL/DA

**CHECKED BY:**  
DK/DA

**SCALE:**  
AS NOTED

**STAMP:**

**Merrill**  
Engineers and Land Surveyors

427 Columbia Road  
Hanover, MA 02339  
781-826-9200

40 Court Street, Ste 2A  
Plymouth, MA 02360  
508-746-6060

Marine Division:  
26 Union Street  
Plymouth, MA 02360  
508-746-6060

448 N. Falmouth Hwy, Unit A  
North Falmouth, MA 02556  
508-563-2183

**PROJECT #:**  
22-083.1

**PROJECT:**  
**SITE PLAN**  
0 ARNOLD ROAD  
ASSESSOR'S  
MAP 100 BLOCK 0 LOT 65  
HINGHAM MASSACHUSETTS

**CLIENT:**  
GERRY RANKIN  
30 ARNOLD ROAD, LLC  
41 BREWSTER ROAD  
HINGHAM, MA 02043  
(617)-799-0588

**DRAWING PATH:**  
H:\22-083.1\DESIGN\22-083.1 SP  
6/22/24.DWG

**DATE:**  
JULY 31, 2023

**MITIGATION PLANTING PLAN**