

PROPOSED MITIGATION PLAN

43 New Bridge Street, Hingham

Date: May 12, 2025

Prepared By: Environmental Consulting & Restoration, LLC

Mitigation notes:

- 1.) The proposed mitigation plan has been designed to restore a portion of existing lawn/landscaped area to a natively vegetated buffer.
- 2.) Prior to mitigation work, erosion controls will be established along the edge of the mitigation area to protect the nearby resource areas.
- 3.) Prior to planting, the existing turf/landscape bed within the mitigation area will be removed to expose the native topsoil. If necessary, the mitigation area may be supplemented with a light layer (1 to 2 inches) of clean loam.
- 4.) The mitigation area will then be hand planted with a mix of native woody shrubs, and saplings suitable for the buffer zone. Spacing of the plants will comply with DEP guidance of 8 feet on center for shrubs and 12 feet on center for saplings. A total of 5 shrubs and 2 saplings are required to vegetate the 268 square foot mitigation area.
- 5.) Once planted, the root zone of each plant will be mulched with natural, unprocessed mulch/wood chips.
- 6.) Exposed soil within the mitigation area will be hand seeded with a native seed mix (see the seed mix profile included on the plan).
- 7.) A temporary irrigation schedule will be established by the applicant/contractor through the first growing season.
- 8.) Plantings will be completed during the early spring planting season (April 15th to May 31st) or the fall planting season (September 15th to November 15th).
- 9.) At the completion of work, a completion report with photographs will be submitted to the Hingham Conservation Commission to document the completed mitigation.

| Plant Legend | | | | |
|---|-----|-------------------|-----------------------------|---------|
| Symbol | Qty | Common | Botanical | Size |
|  | 2 | Black Chokeberry | <i>Aronia melanocarpa</i> | 2-3 ft. |
|  | 3 | Witch Hazel | <i>Hamamelis virginiana</i> | 2-3 ft. |
|  | 2 | Flowering Dogwood | <i>Cornus florida</i> | 5-6 ft. |

Proposed Seed Mix:

Native Upland Wildlife Forage & Cover Meadow Mix

Mix Composition

- 34.9% *Andropogon gerardii*, 'Niagara' (Big Bluestem, 'Niagara')
- 27.0% *Panicum virgatum*, 'Cave-In-Rock' (Switchgrass, 'Cave-In-Rock')
- 21.0% *Elymus virginicus*, PA Ecotype (Virginia Wildrye, PA Ecotype)
- 9.0% *Sorghastrum nutans*, NY4 Ecotype (Indiangrass, NY4 Ecotype)
- 3.0% *Rudbeckia hirta*, Coastal Plain NC Ecotype (Blackeyed Susan, Coastal Plain NC Ecotype)
- 2.0% *Chamaecrista fasciculata*, PA Ecotype (Partridge Pea, PA Ecotype)
- 1.5% *Heliopsis helianthoides*, PA Ecotype (Oxeye Sunflower, PA Ecotype)
- 1.0% *Coreopsis tinctoria* (Plains Coreopsis)
- 0.4% *Desmodium canadense*, PA Ecotype (Showy Ticktrefoil, PA Ecotype)
- 0.1% *Monarda fistulosa*, Fort Indiantown Gap-PA Ecotype (Wild Bergamot, Fort Indiantown Gap-PA Ecotype)

Note: Proposed mitigation details overlaid by ECR, LLC onto the Certified Location Plan prepared by Stenbeck & Taylor, Inc.

