

Site Analysis

South Weymouth Naval Base

Client: City of Weymouth

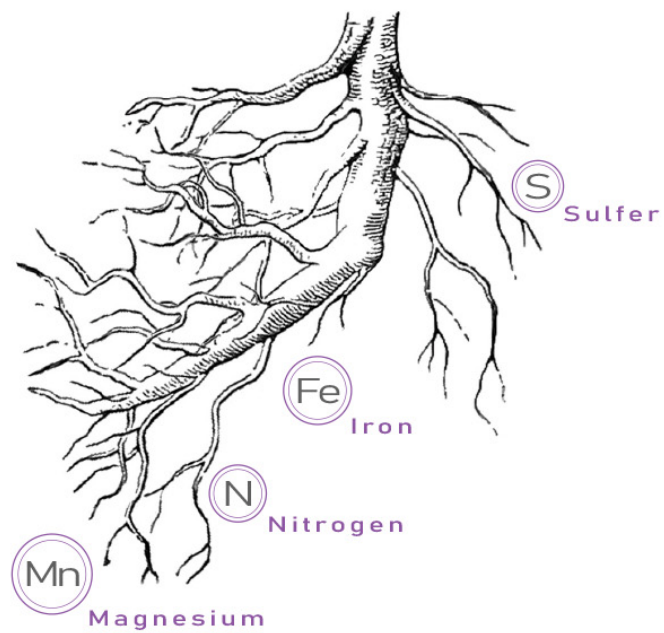
Project: Summer Camp

Location: 10 Patriot Pkwy, Weymouth, MA

10 PATRIOT
PKWY

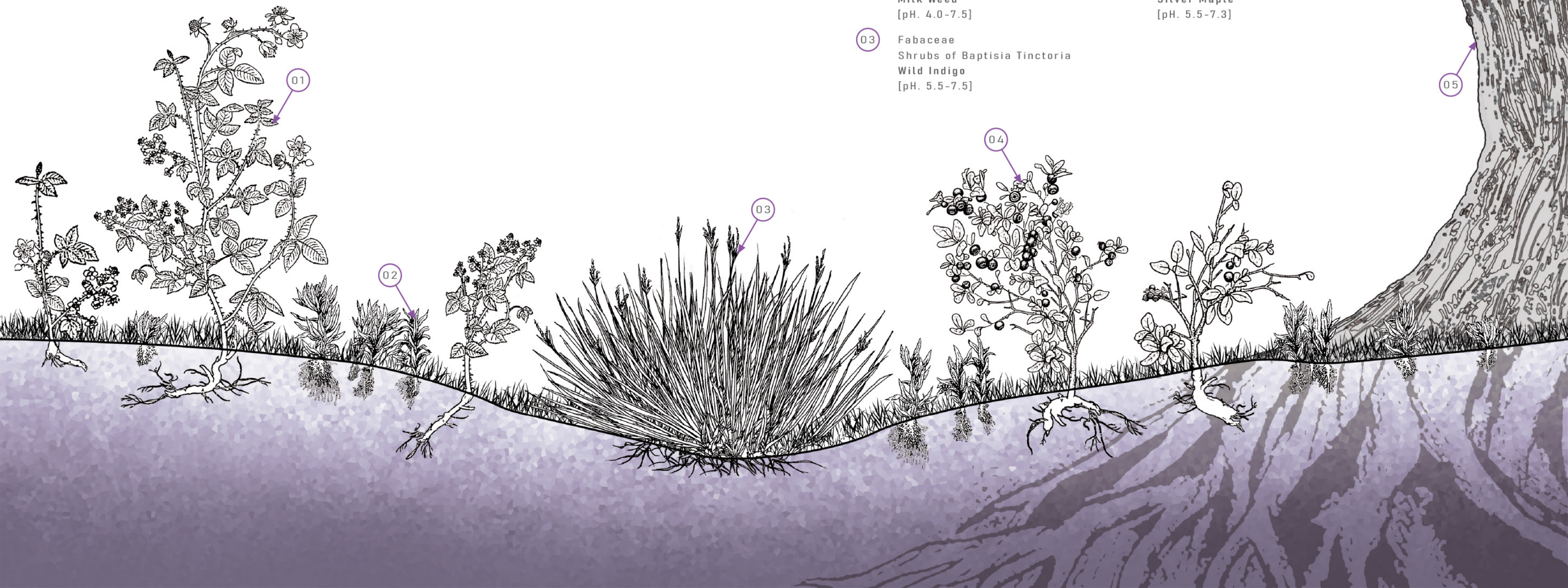
Date: 05-17-24

Designer: Jacob Barbarossa, M.Arch



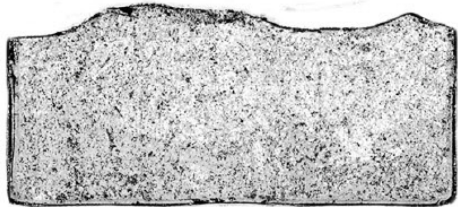
NATIVE ACIDOPHILE SPECIES

- | | | | |
|----|---|----|---|
| 01 | Rosaceae
Shrubs of Genus Rubus
Blackberry Bush
[pH. 5.5-6.8] | 04 | Ericaceae
Shrubs of Genus Vaccinium
Blueberry Bush
[pH. 4.5-5.0] |
| 02 | Asclepiadaceae
Plant of Asclepias Tuberosa
Milk Weed
[pH. 4.0-7.5] | 05 | Acer Saccharinum
Tree of Acer Sect. Rubra
Silver Maple
[pH. 5.5-7.3] |
| 03 | Fabaceae
Shrubs of Baptisia Tinctoria
Wild Indigo
[pH. 5.5-7.5] | | |



Soil Analysis

Sandy Soil Mix



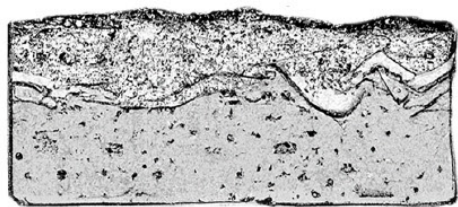
0-15% Clay
0-15% Silt
30-90% Sand

Loamy Soil Mix



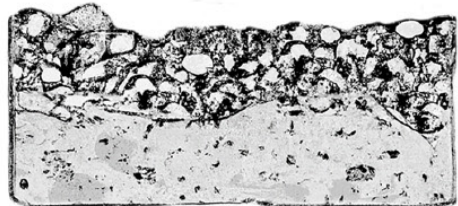
10-30% Clay
30-50% Silt
25-50% Sand

Mixed Soil Mix

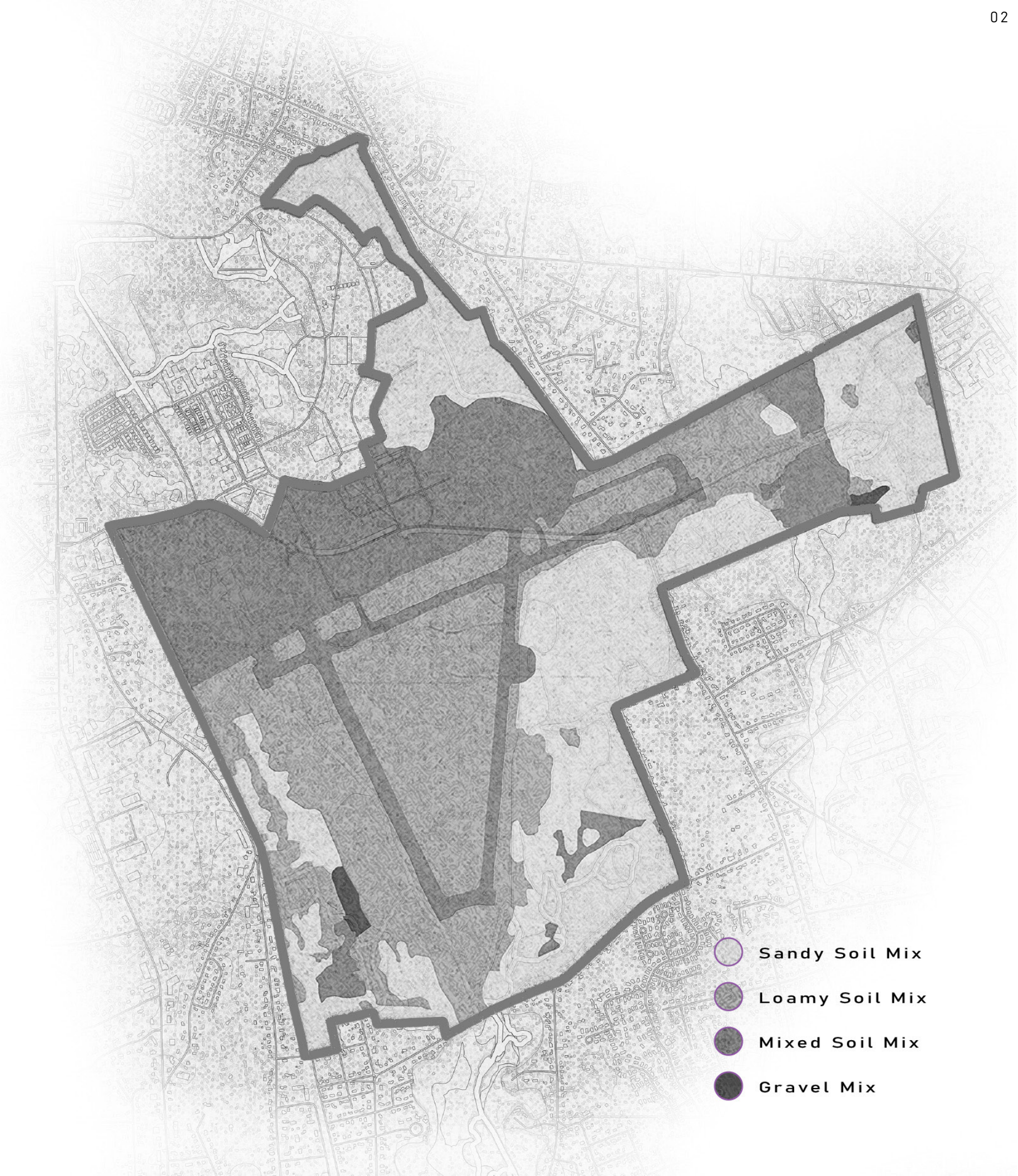


30-55% Loam
15-45% Gravel
0-30% Clay

Gravel Mix



10-50% Sand
10-50% Gravel
0-10% Silt



- Sandy Soil Mix
- Loamy Soil Mix
- Mixed Soil Mix
- Gravel Mix

Hot Zones

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- 01 **Contamination Zone**
A-3 RAO Dump Site
VOCS, #2 - Oil/Fuel
- 02 **Contamination Zone**
A-3 RAO Dump Site
Petroleum, Indenopyrene,
Benzofluoranthene, MTBE
- 03 **Contamination Zone**
A-2 RAO Dump Site
Std. Oil/Fuel, #6 - Oil/Fuel
- 04 **Core Habitat Zone**
Wetland Species
Sufficiently Buffered
- 05 **Buffer Zone**
Stretch of Brush
Status: Healthy
- 06 **Prairielands**
Stretch of Grasslands
Maintained by Native Species
- 07 **Proposed Regrowth Zone**
Potential for New Habitats
Loam / Sandy Soil
pH Range: 4.5-6.5
- 08 **Hiking Zone**
Existing Trails for Community
Active
- 09 **Buffer Zone**
Stretch of Brush
Status: Diminishing
- 10 **Core Habitat Zone**
Aquatic Species
Insufficiently Buffered
- 11 **High Activity Zone**
Hwy w/ Vehicular Traffic
Barrier for Contamination
- 12 **Future Development Zone**
Isolating Contamination Zones
Maintaining Existing Hardscapes
Preserving Local Ecosystems
- 13 **Proposed Regrowth Zone**
Buffer for Core Habitat Zones
Loam / Mixed Soil
pH Range: 3.8-6.4
- 14 **Core Habitat Zone**
Aquatic / Wetland Species
Sufficiently Buffered
- 15 **Buffer Zone**
Stretch of Brush
Status: Healthy
- 16 **Hiking Zone**
Existing Trails for Community
Active