





Legend

-  Whittenton Alternative
-  Existing Stations
-  Proposed Stations
-  Existing Stations to be Reconstructed



0 4 8 Miles

Figure 4.16-1

Major Water Bodies

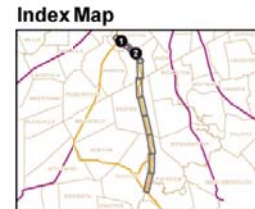
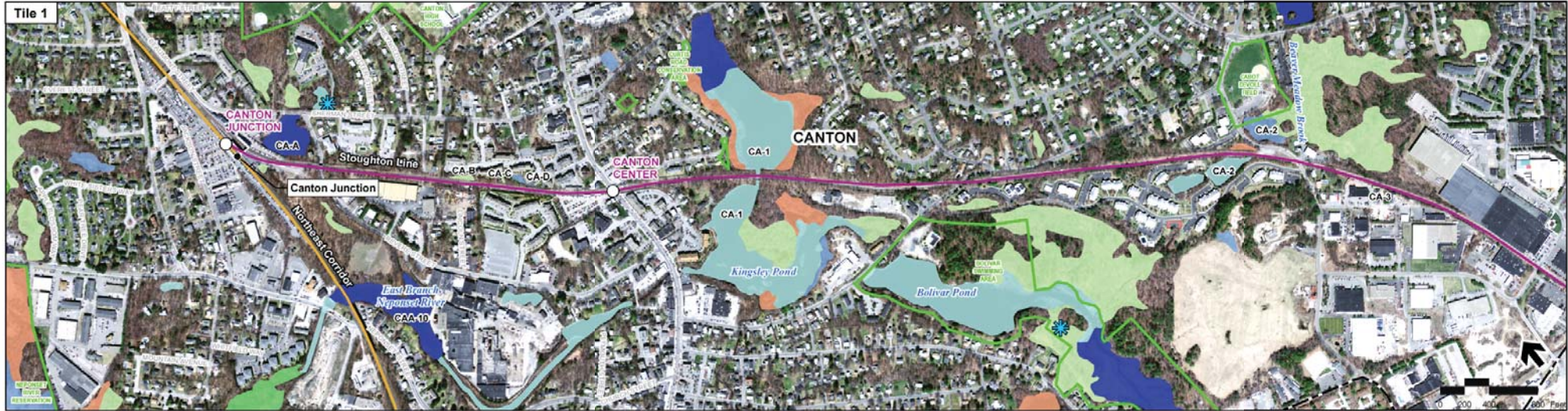


Figure 4.16-2a

Wetlands
Stoughton Line

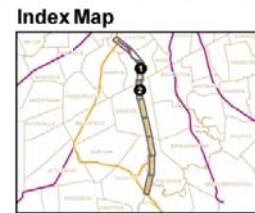
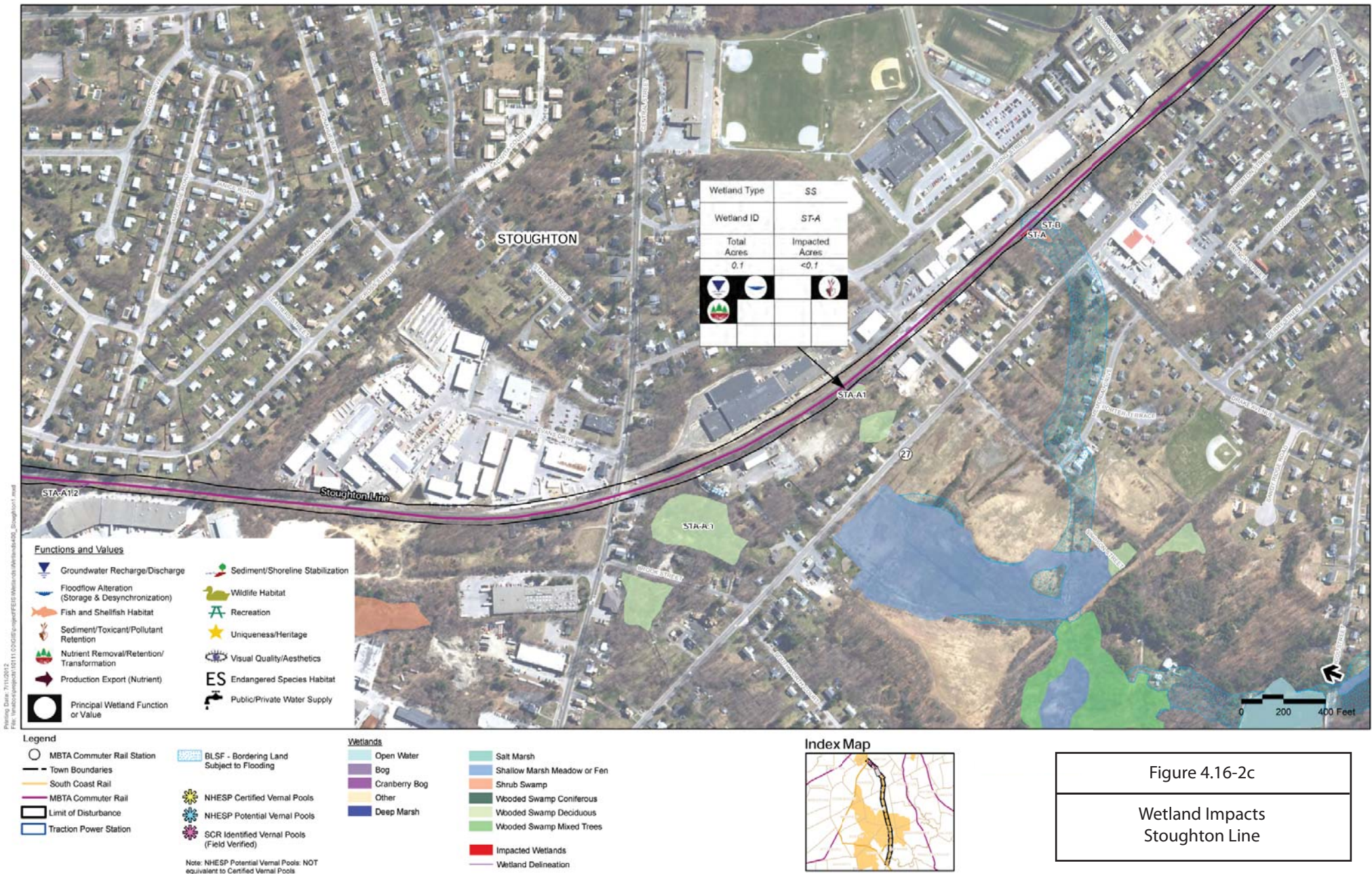


Figure 4.16-2b

Wetlands
Stoughton Line



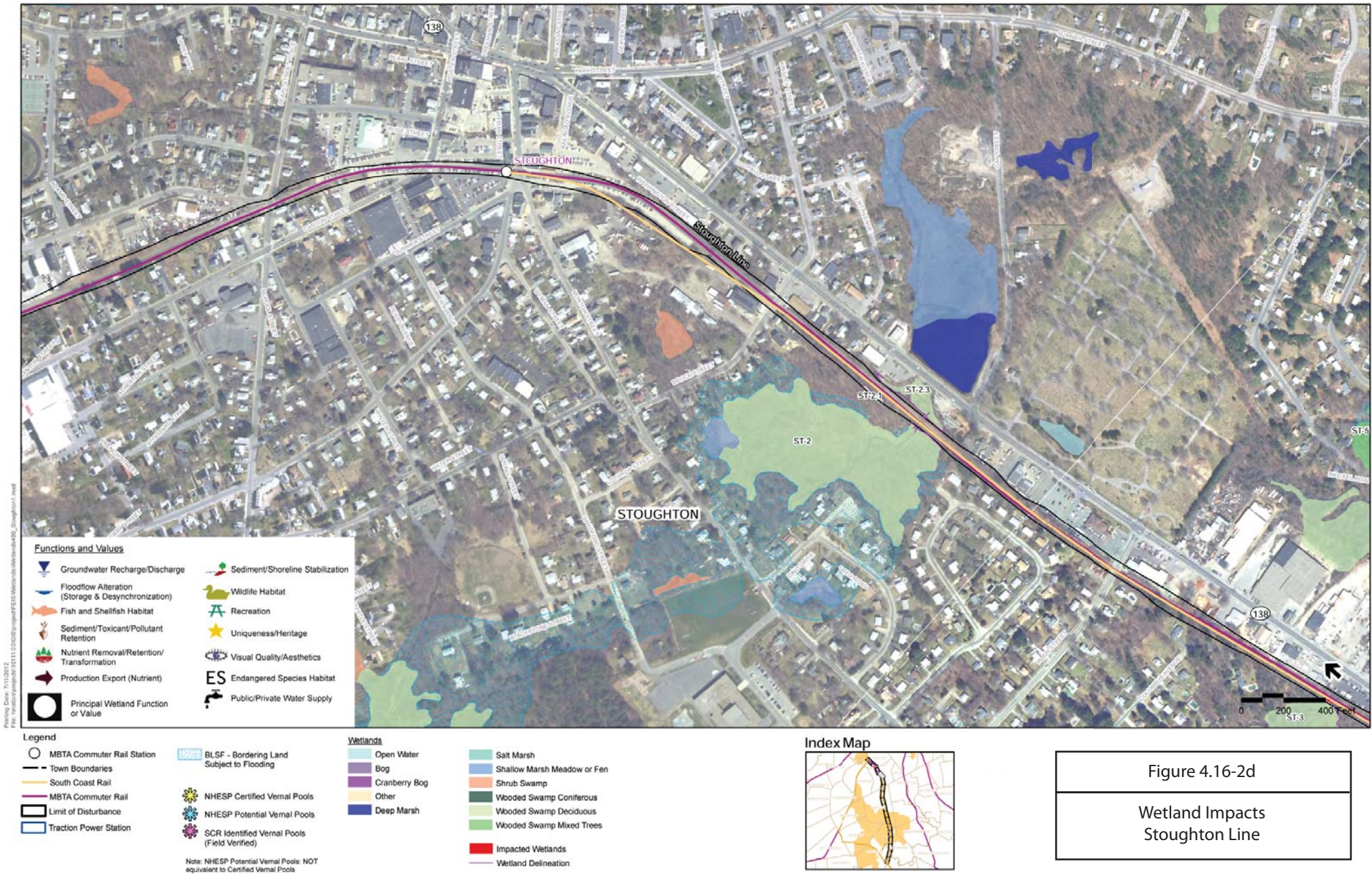
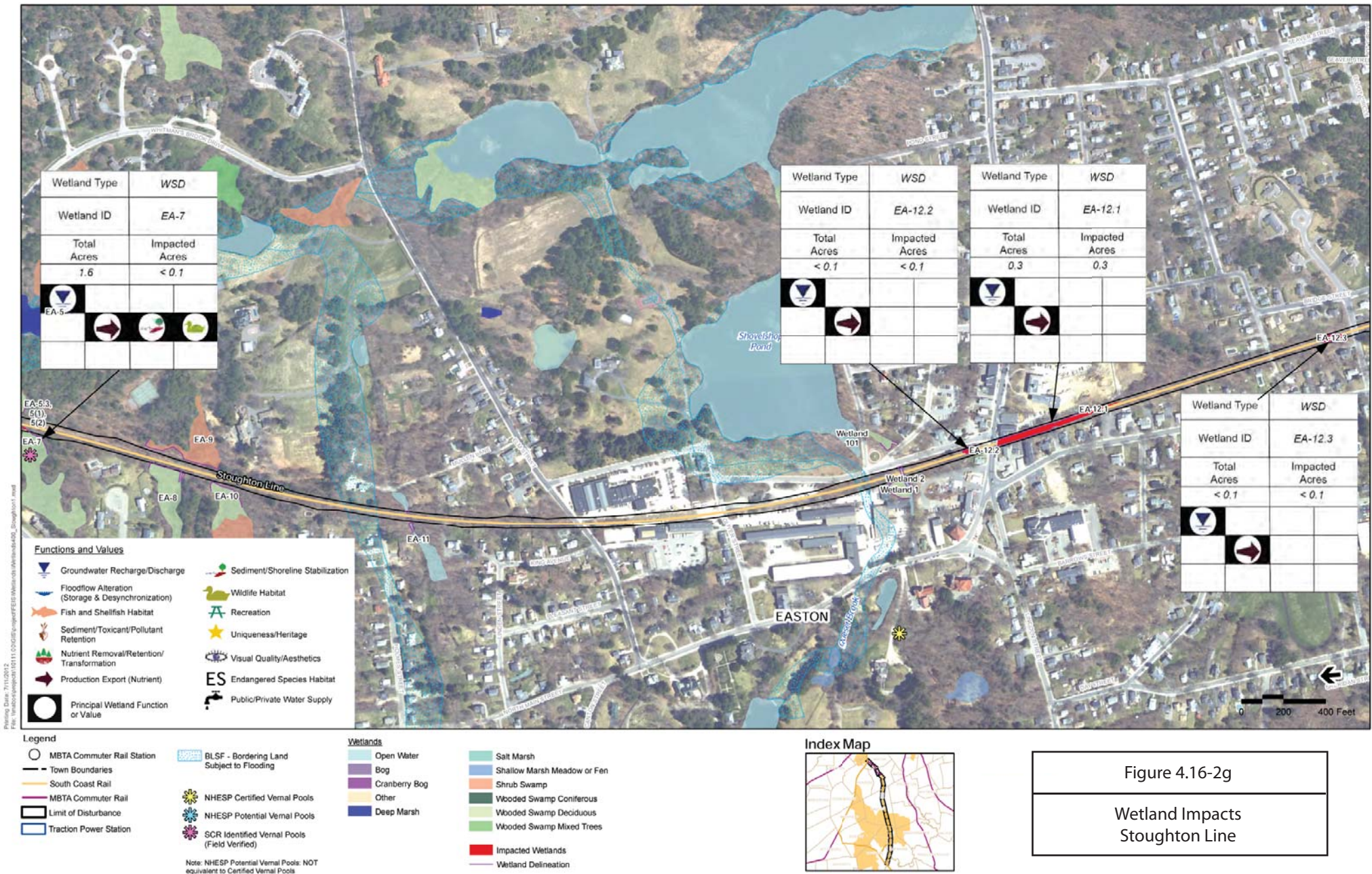


Figure 4.16-2d

Wetland Impacts
Stoughton Line



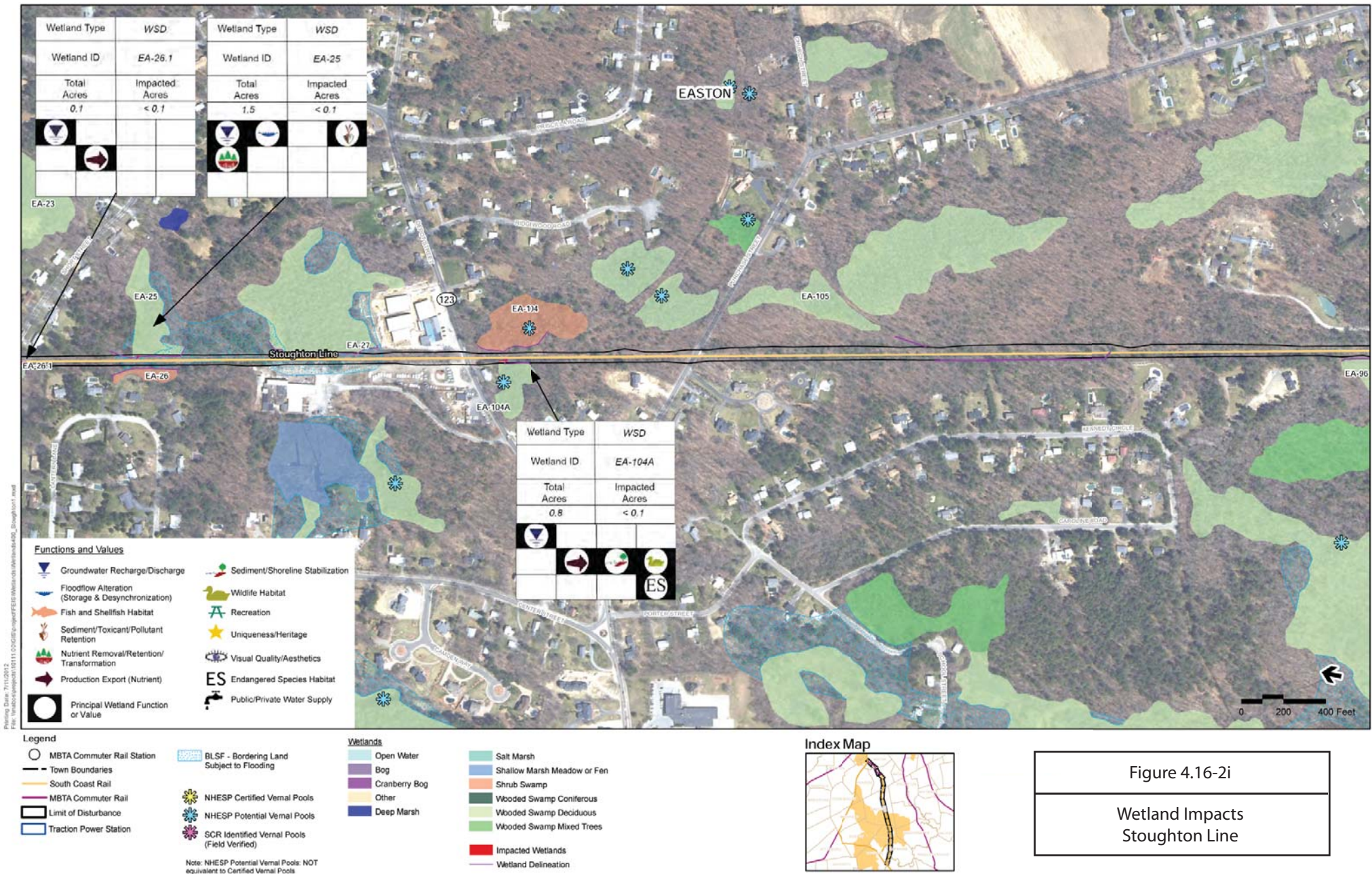
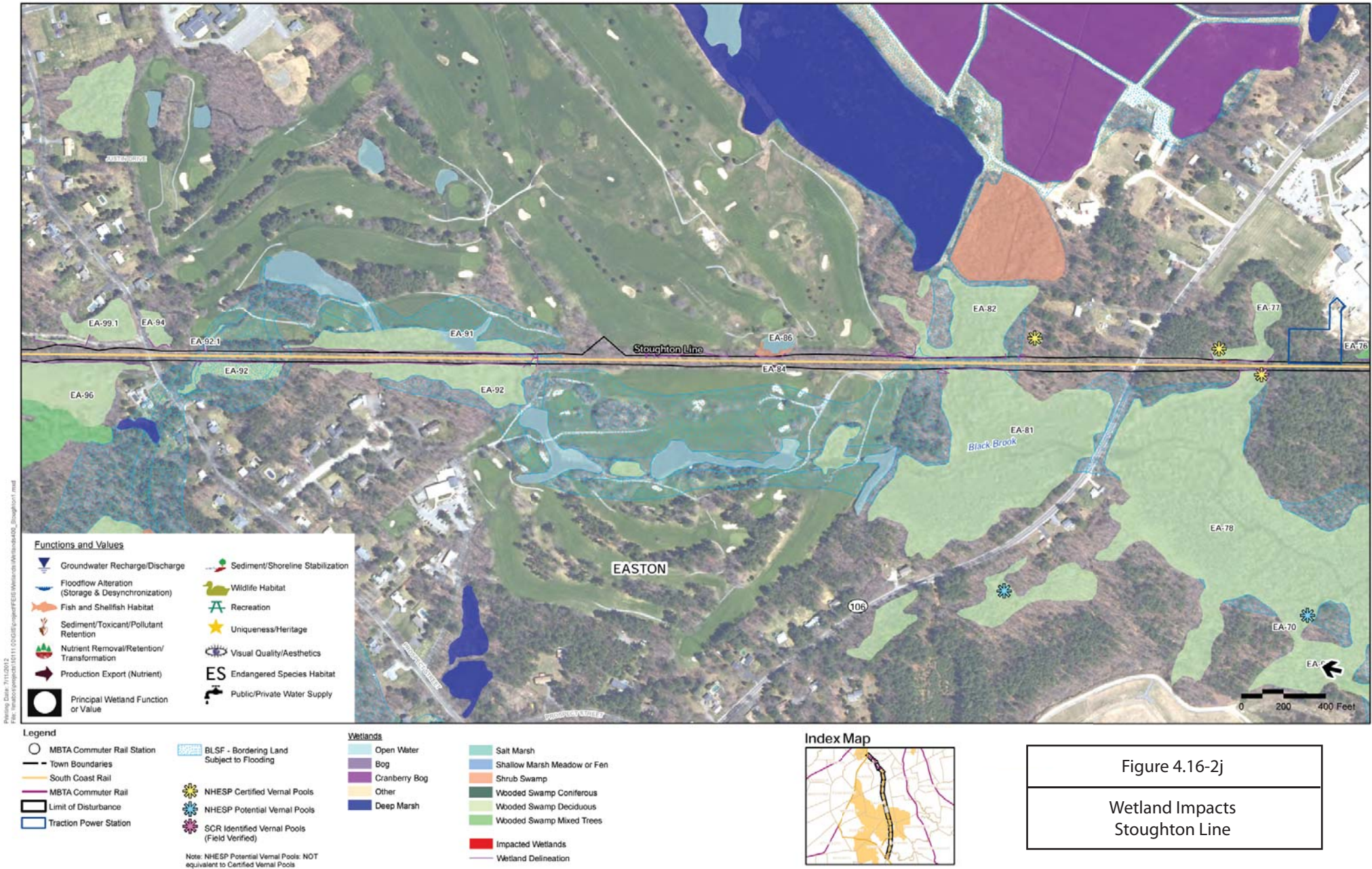
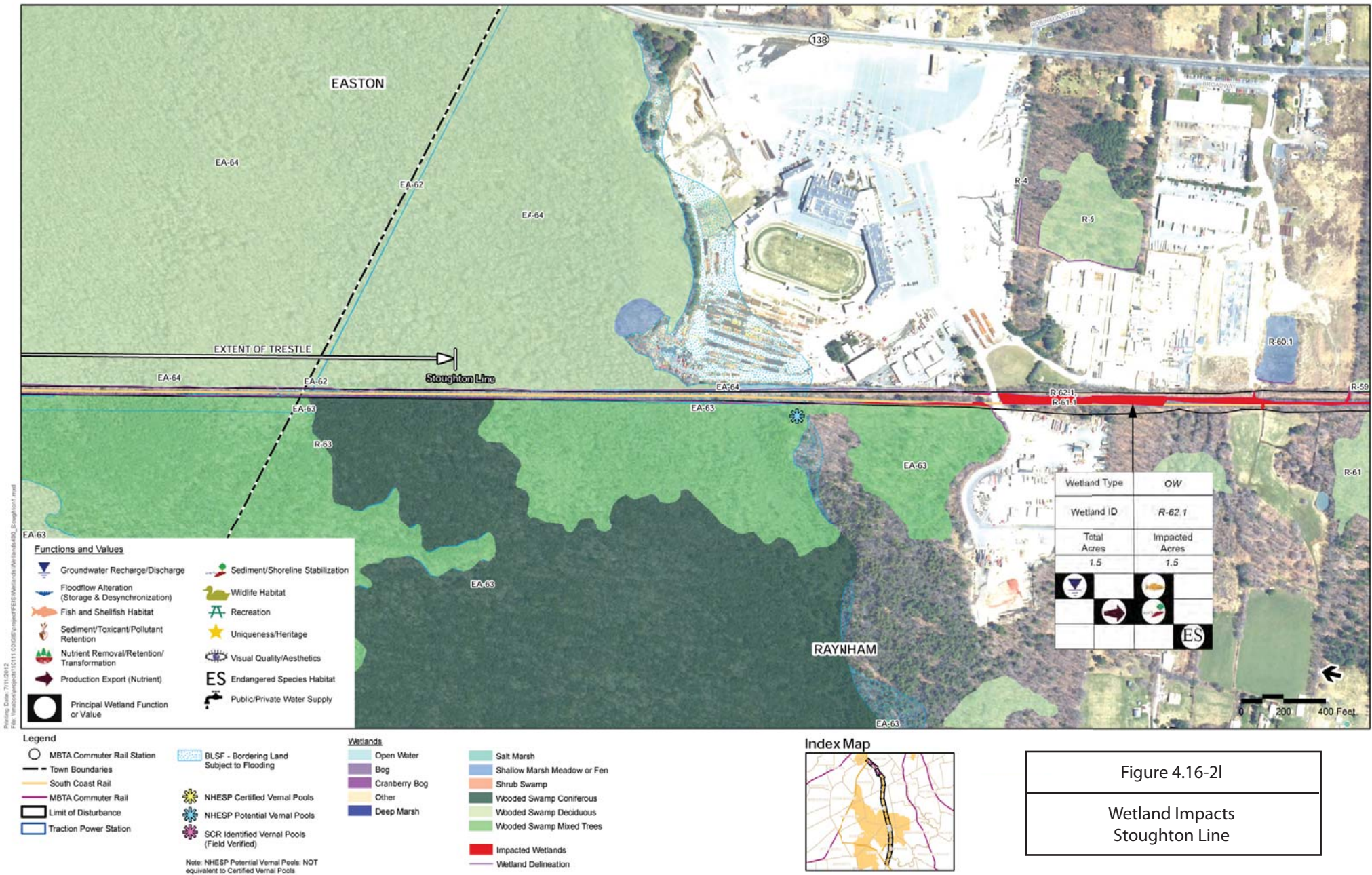
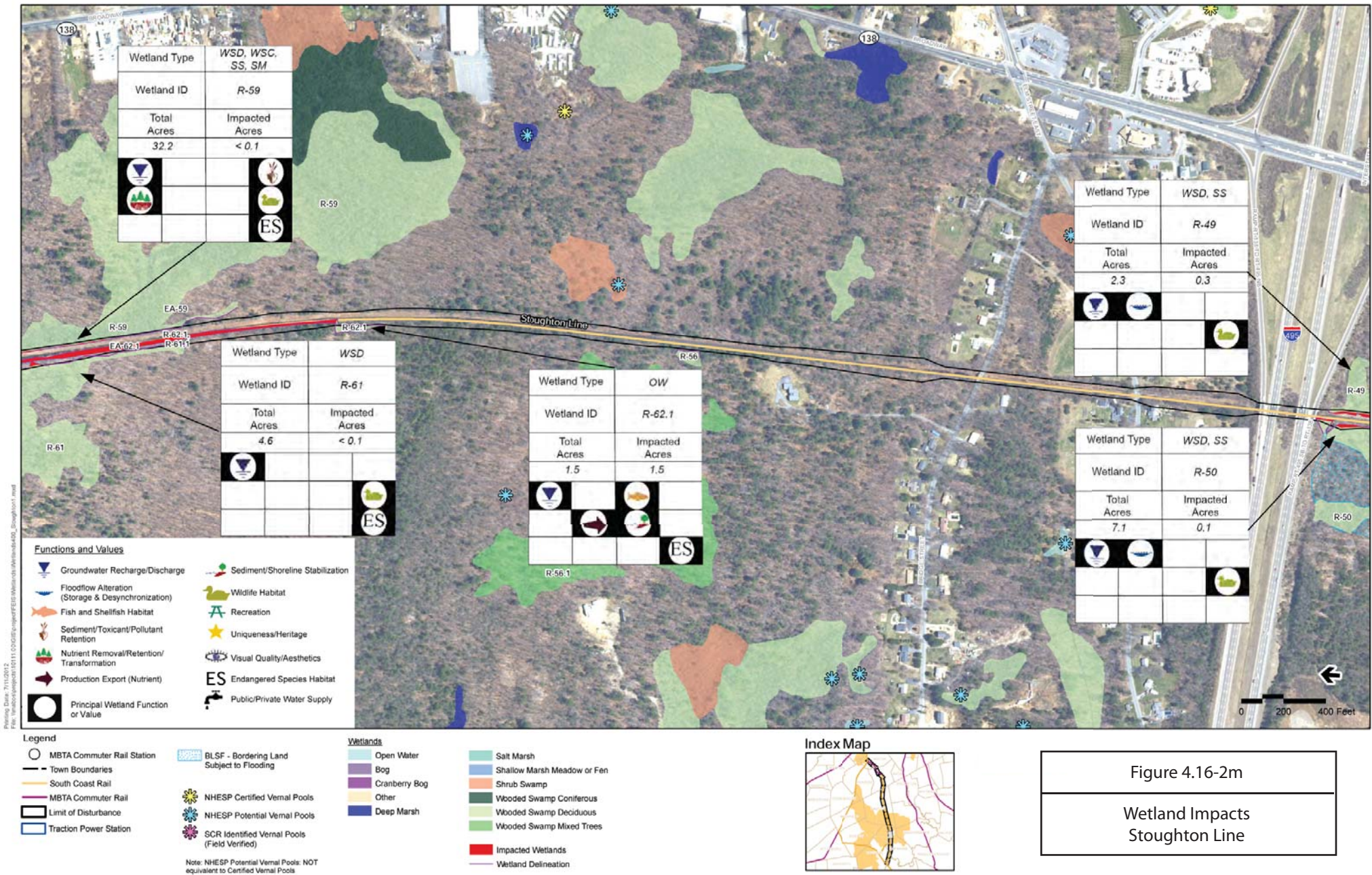


Figure 4.16-2i

Wetland Impacts
Stoughton Line







Planning Date: 7/11/2012
File: C:\GIS\Projects\FEIS\MapDocs\Wetlands\4.16-2n_StoughtonLine.mxd

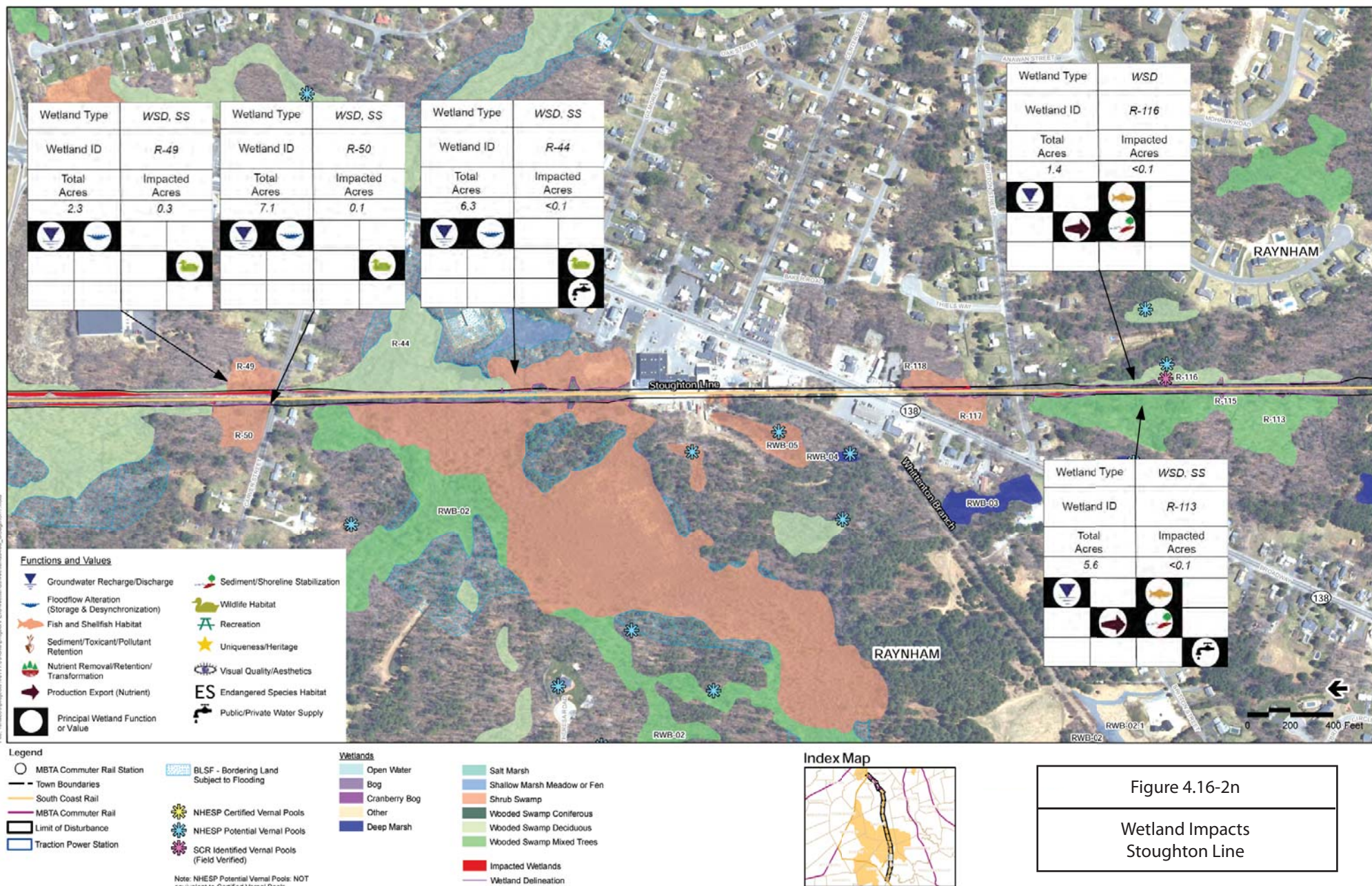


Figure 4.16-2n

Wetland Impacts
Stoughton Line

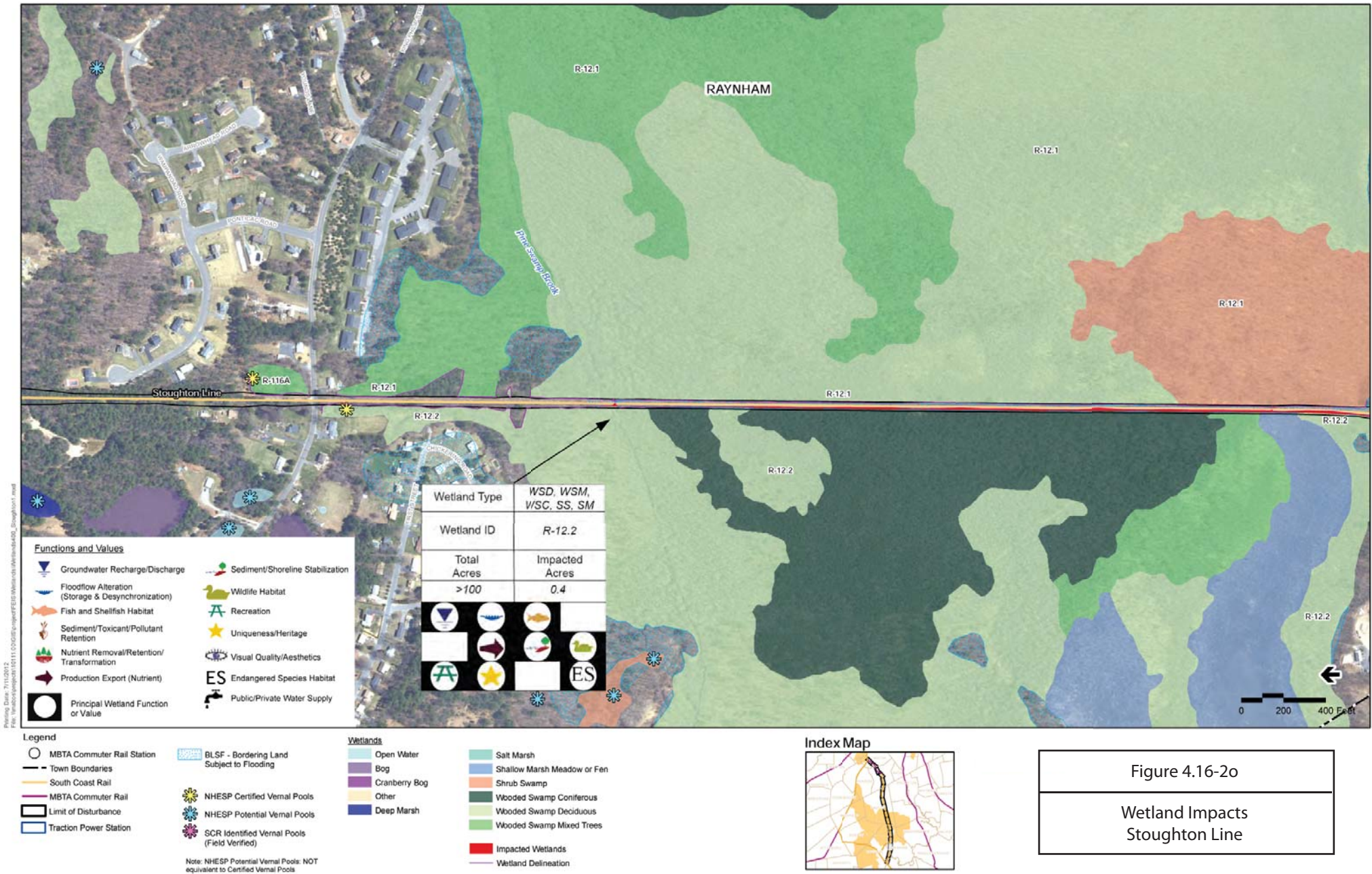
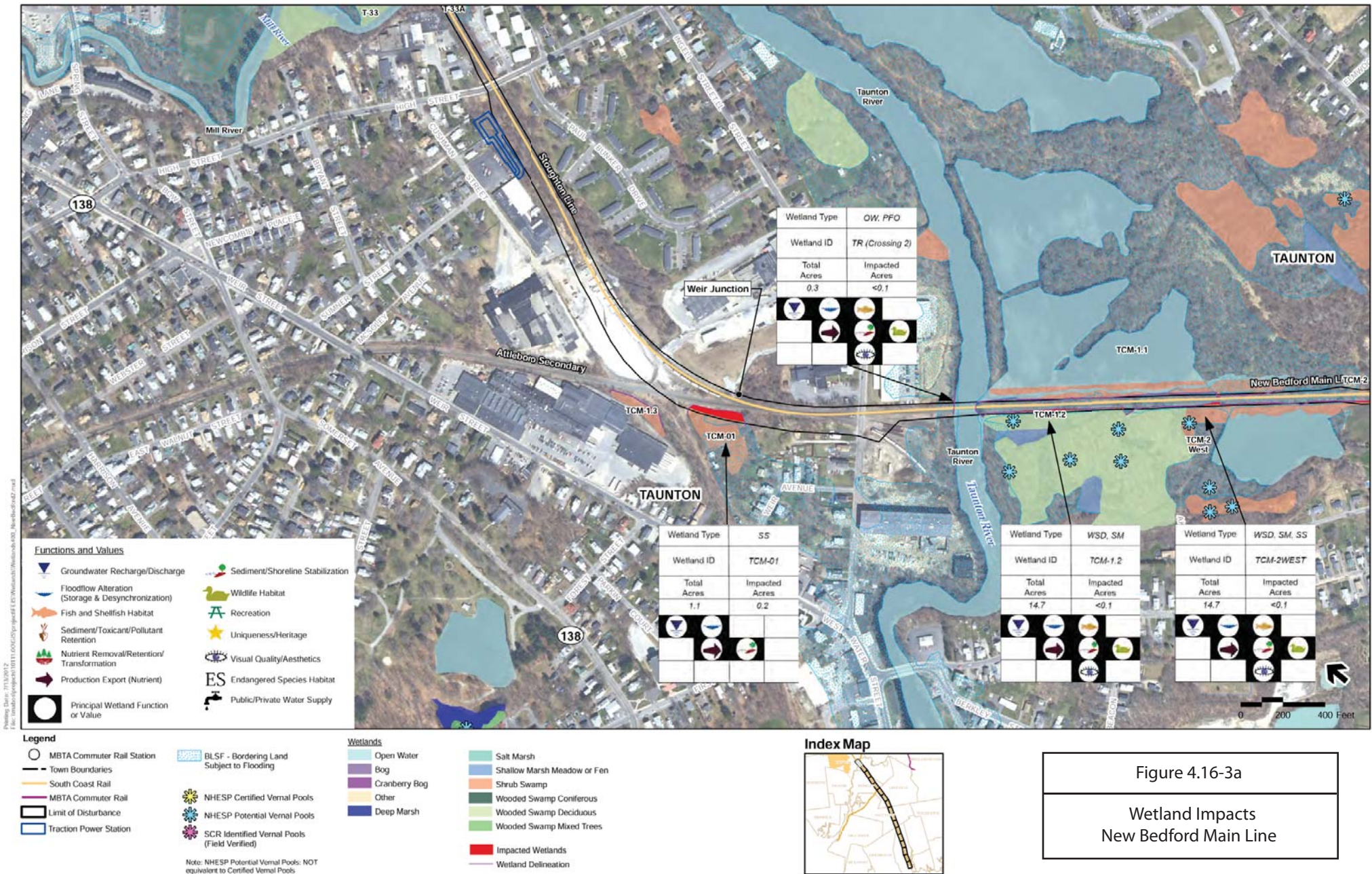
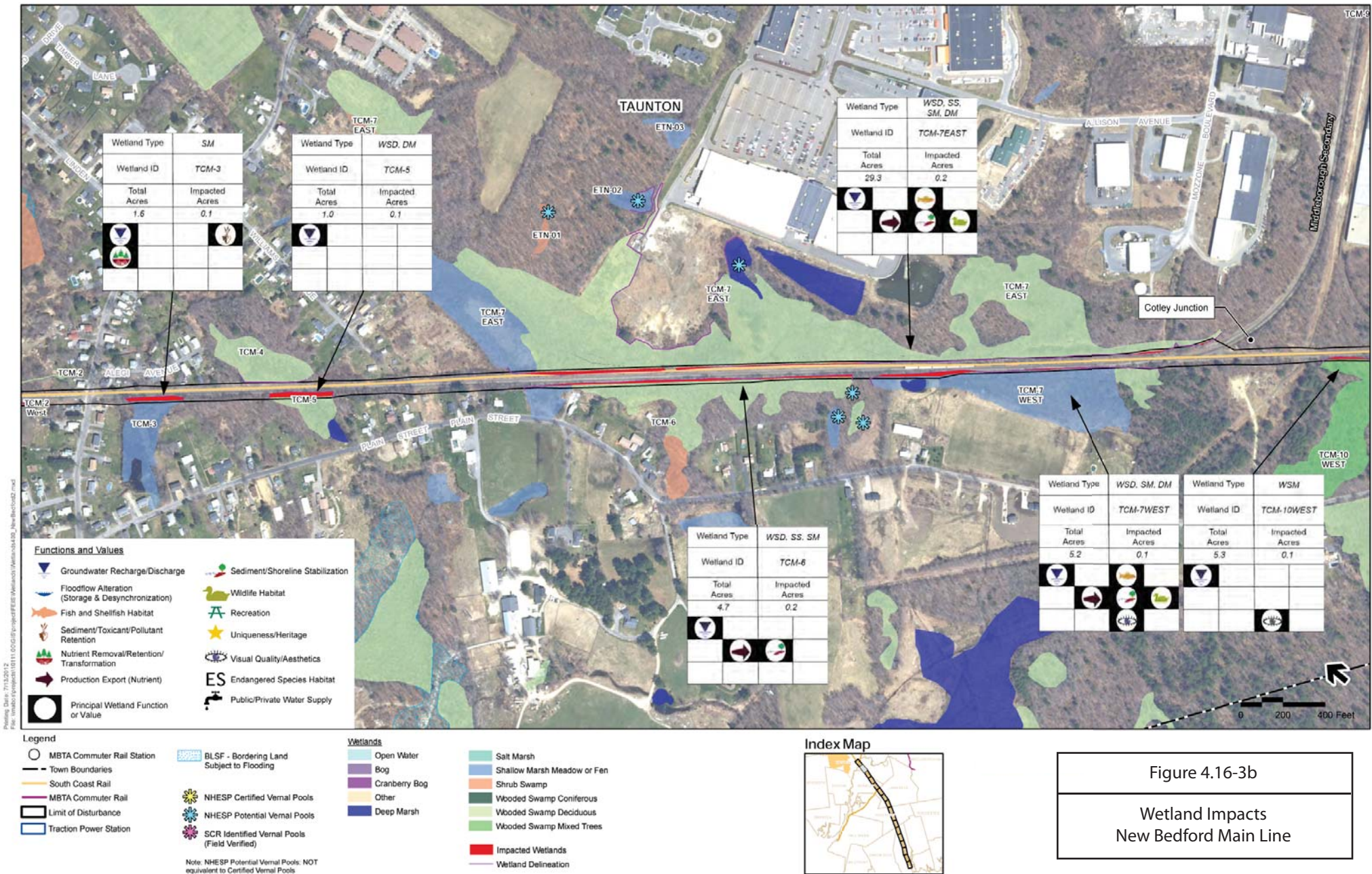


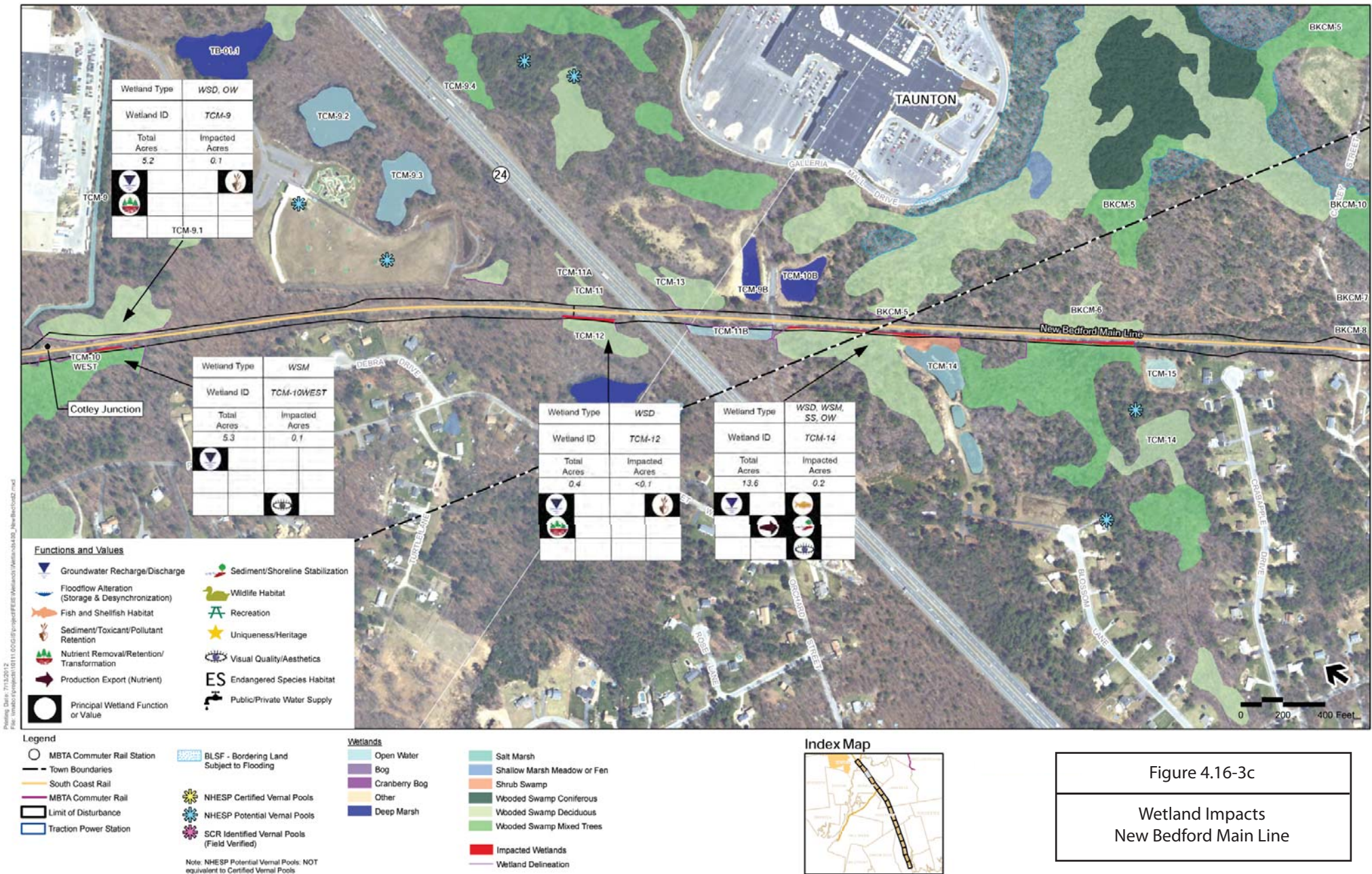


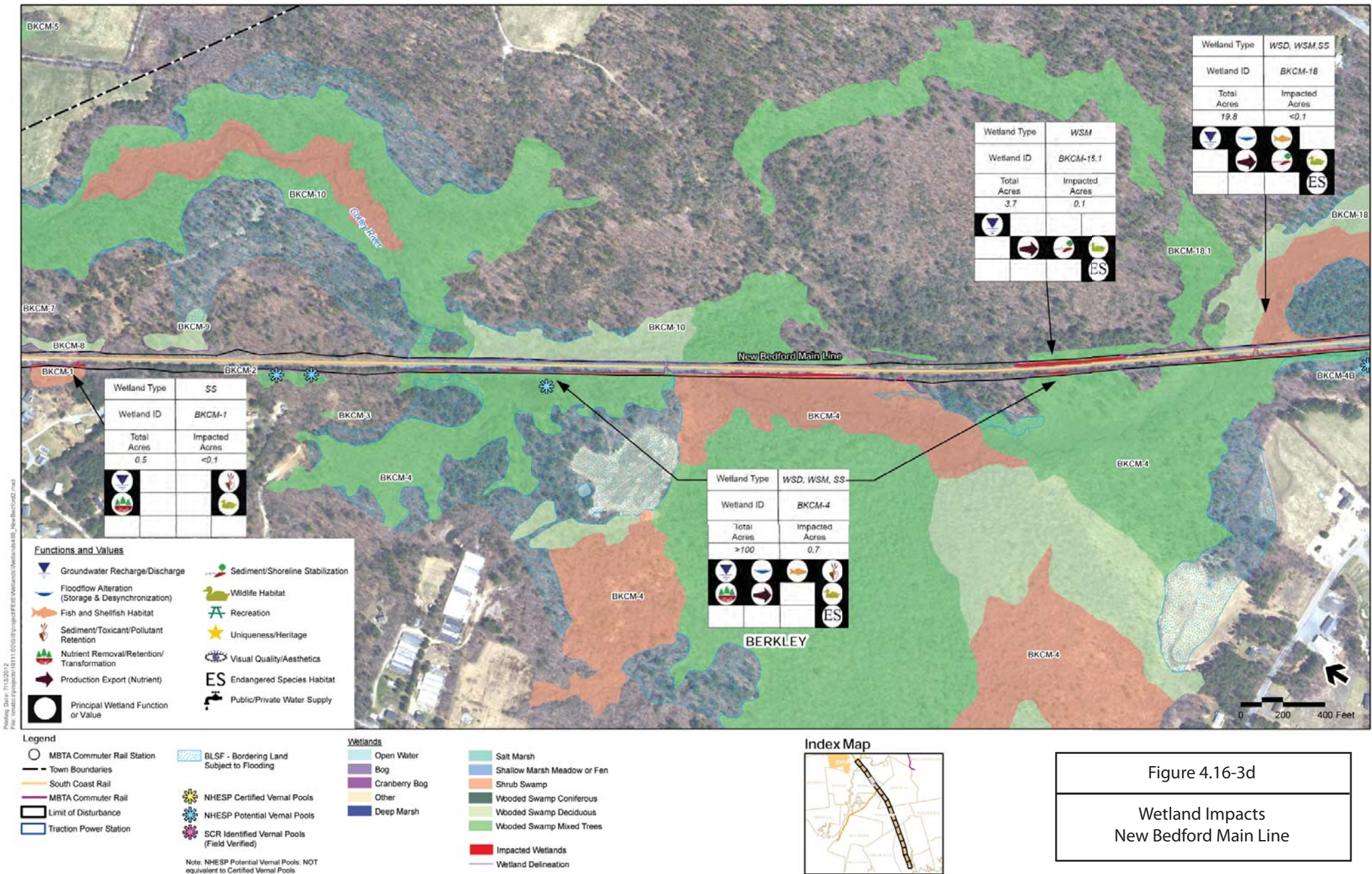
Figure 4.16-2p

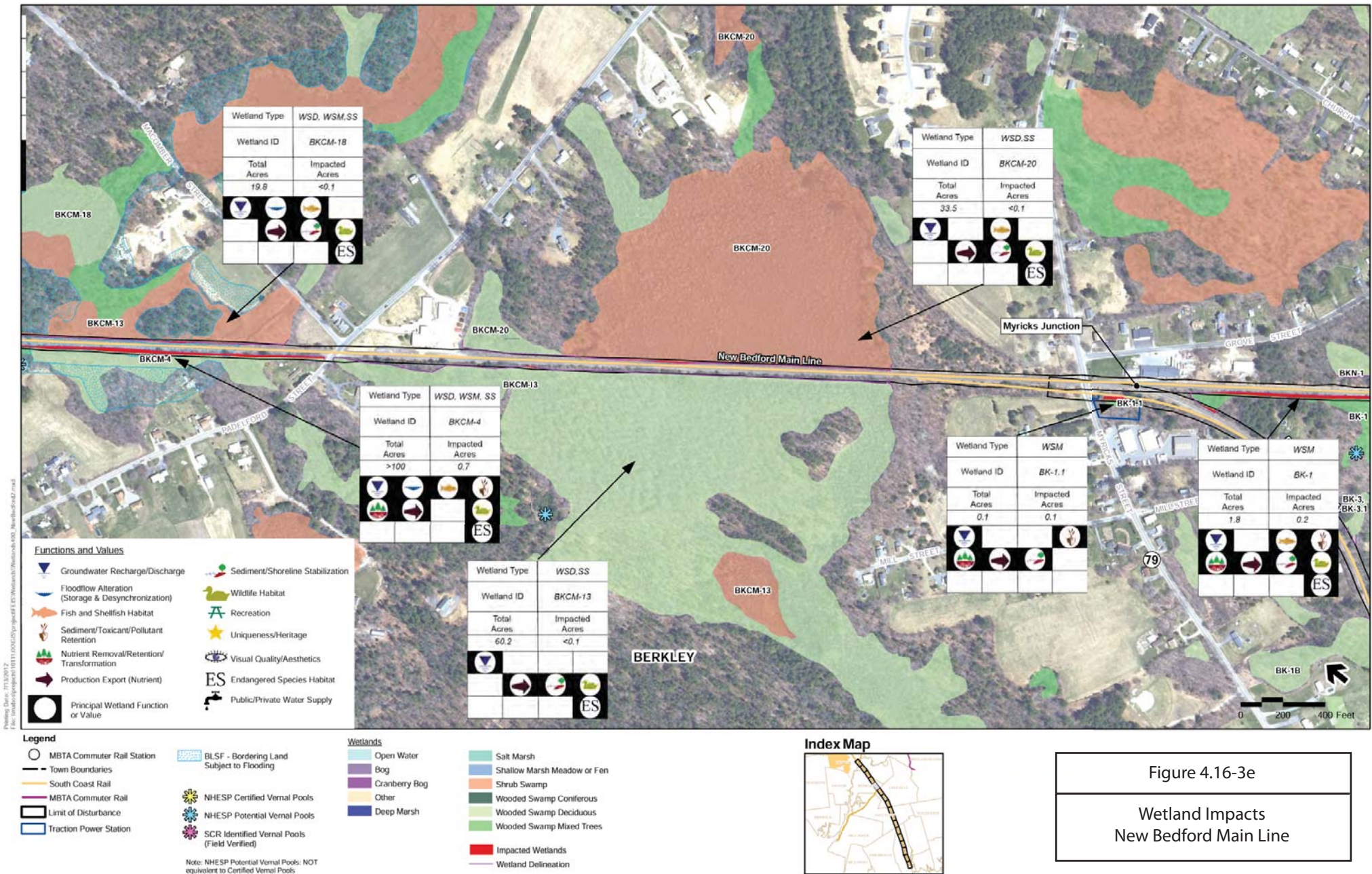
Wetland Impacts
 Stoughton Line











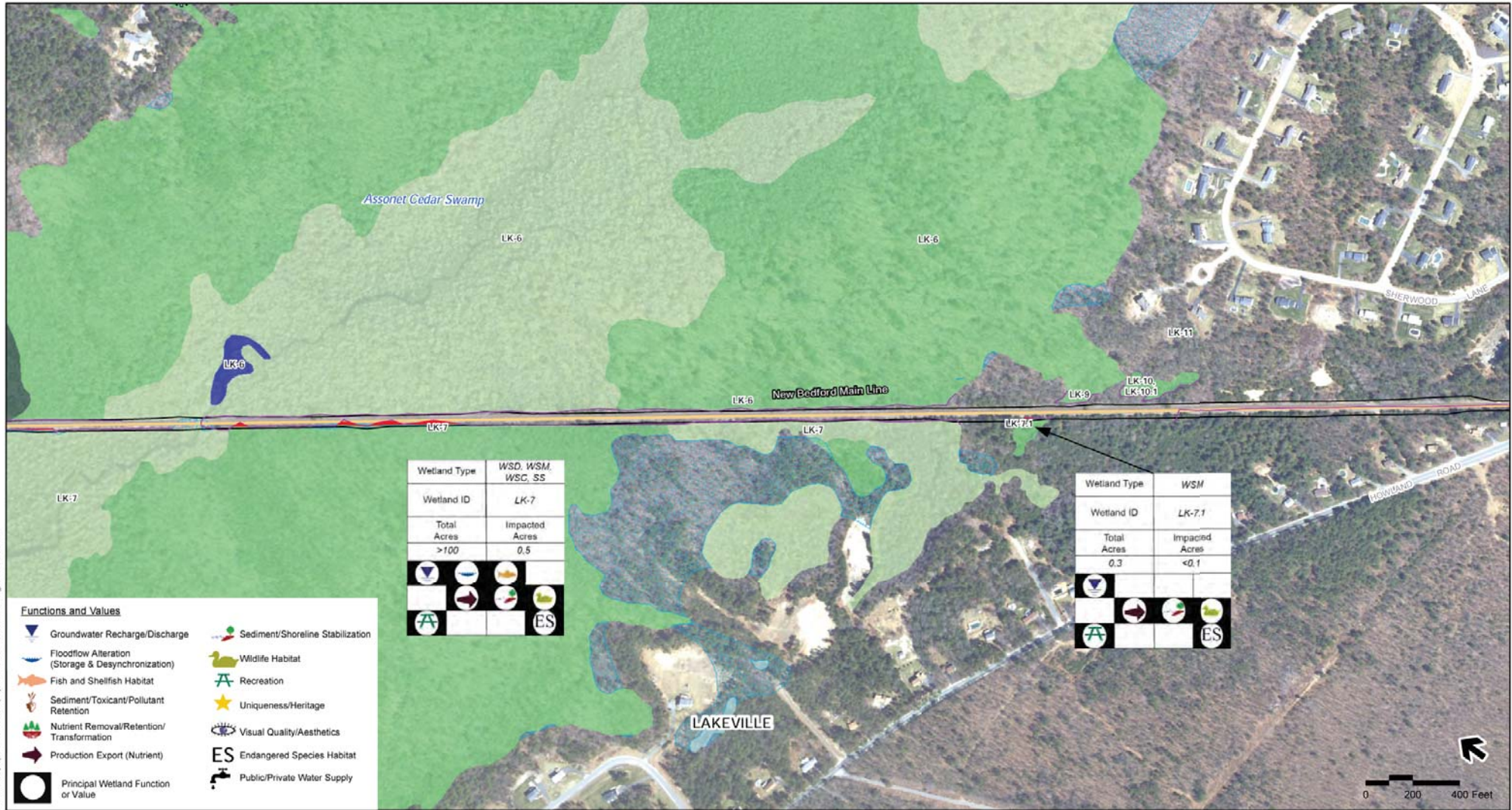


Figure 4.16-3g

Wetland Impacts
 New Bedford Main Line

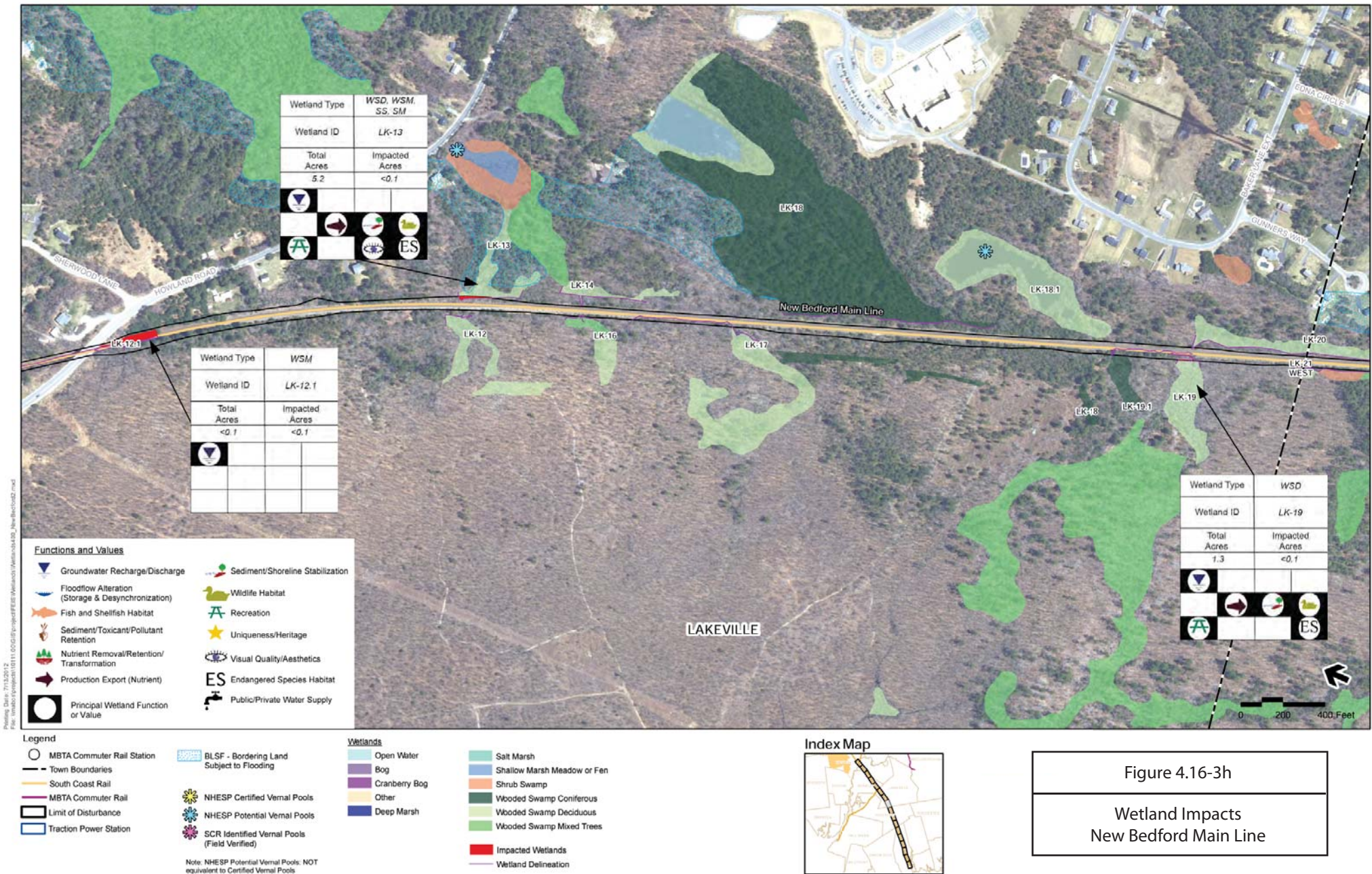
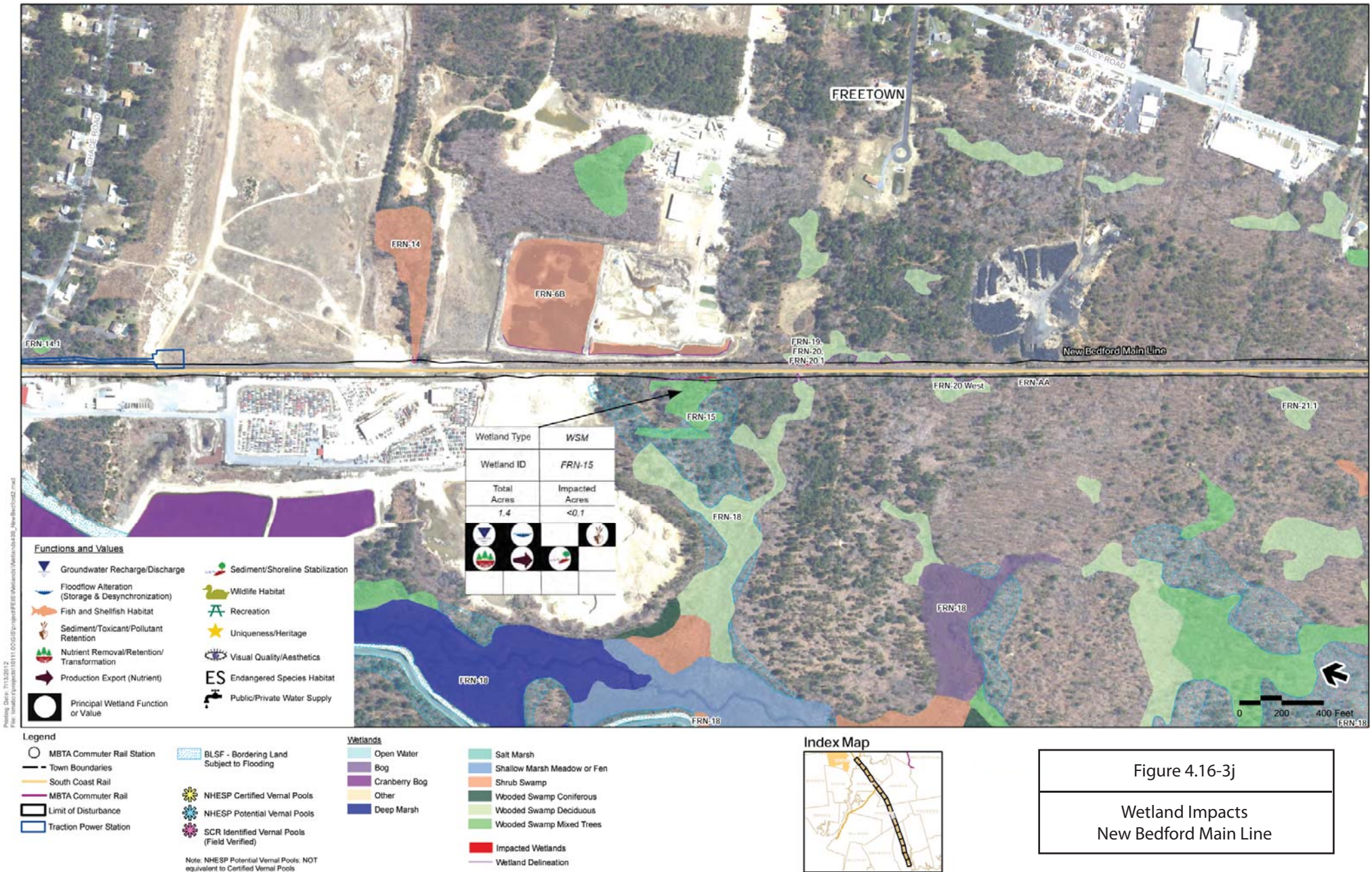
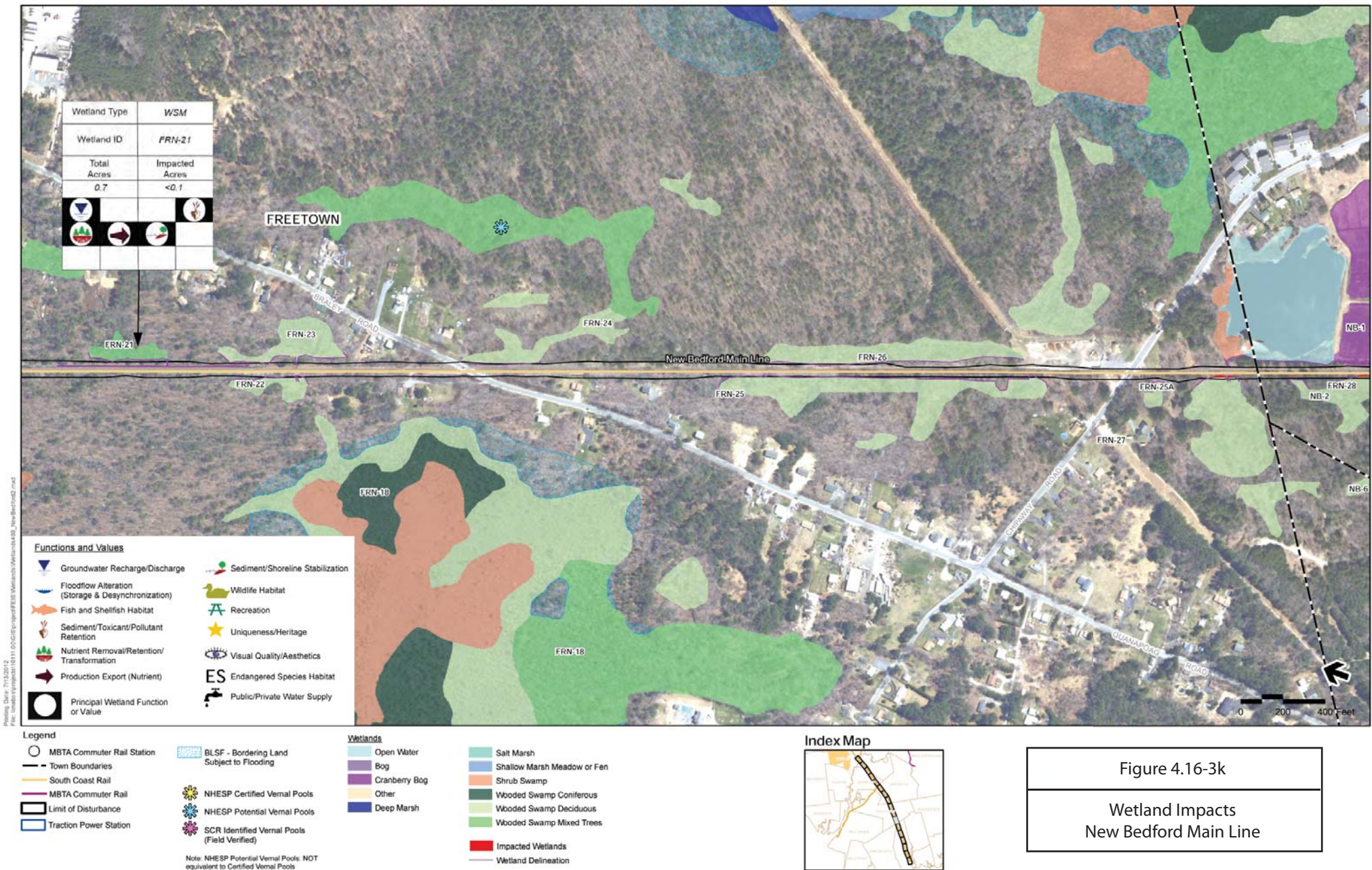


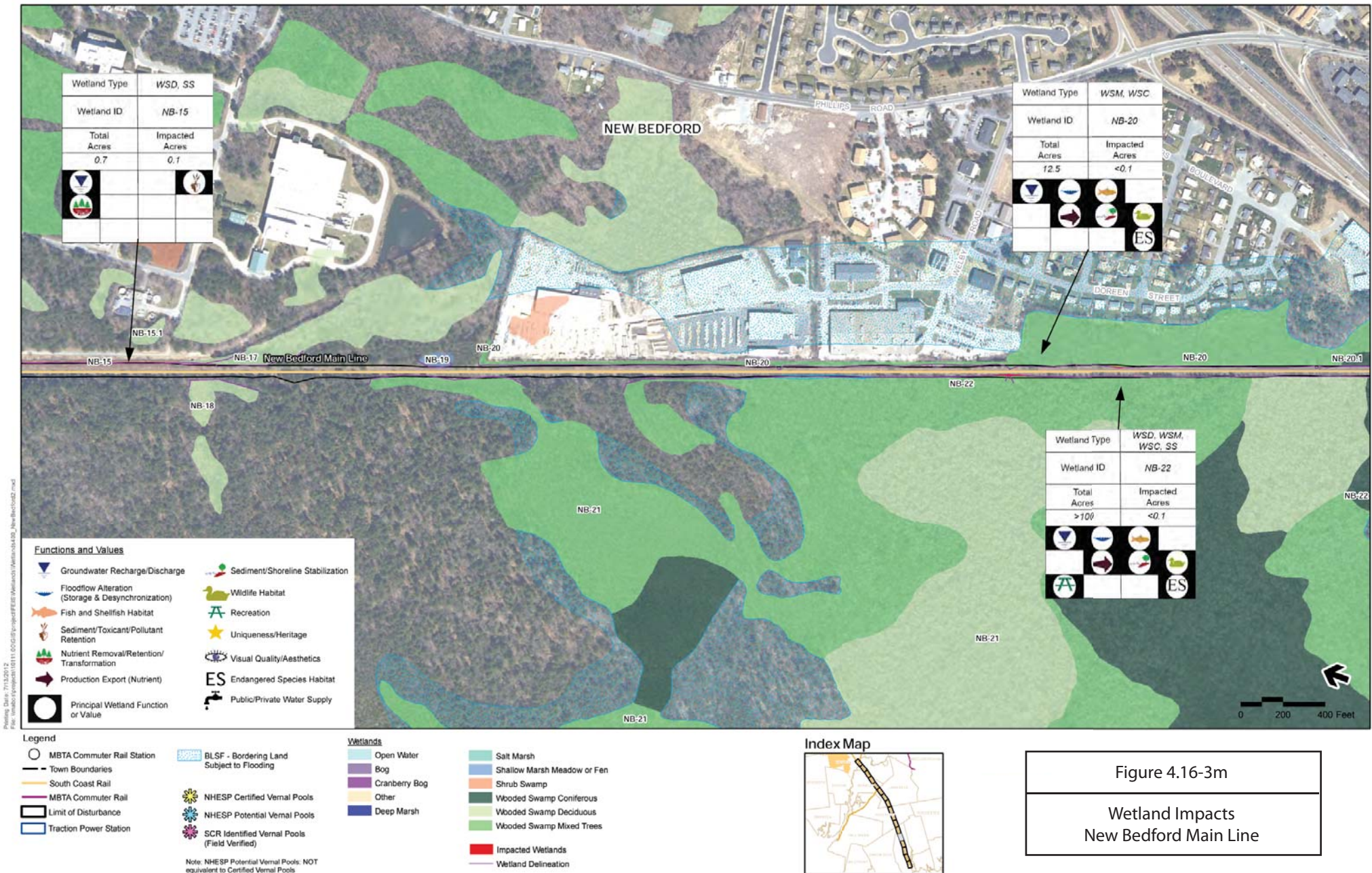
Figure 4.16-3h

Wetland Impacts
New Bedford Main Line









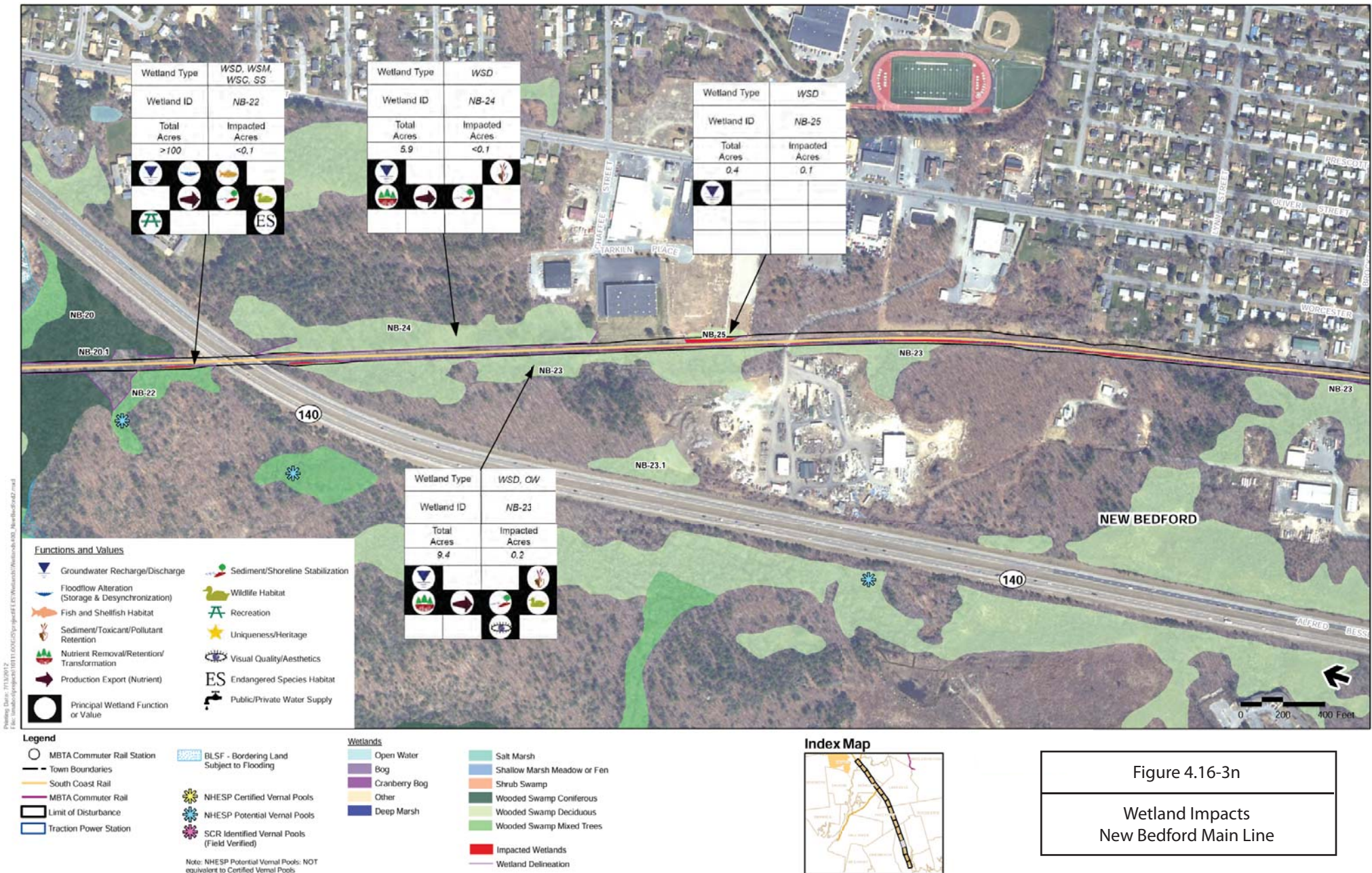




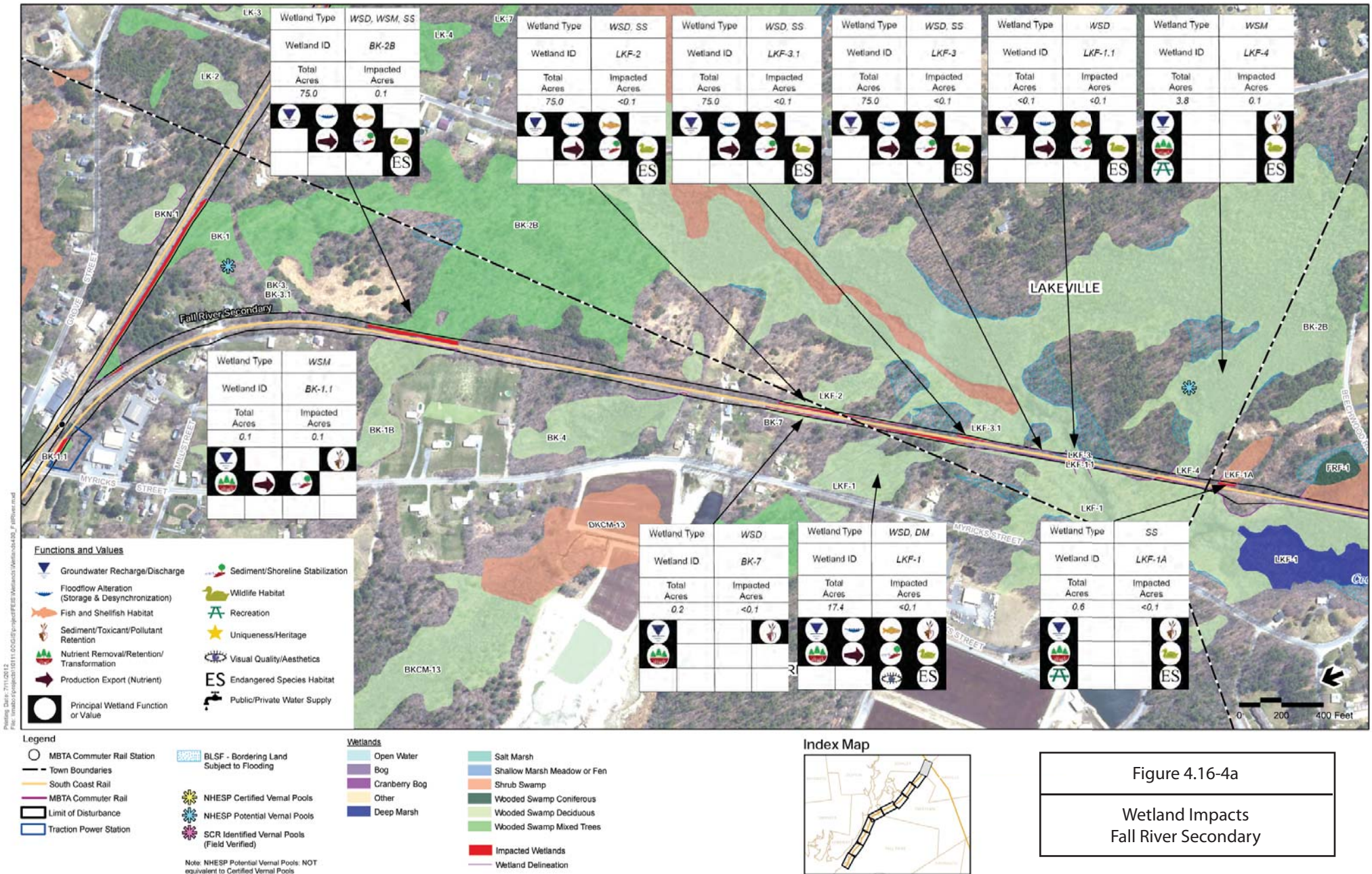
Figure 4.16-3p

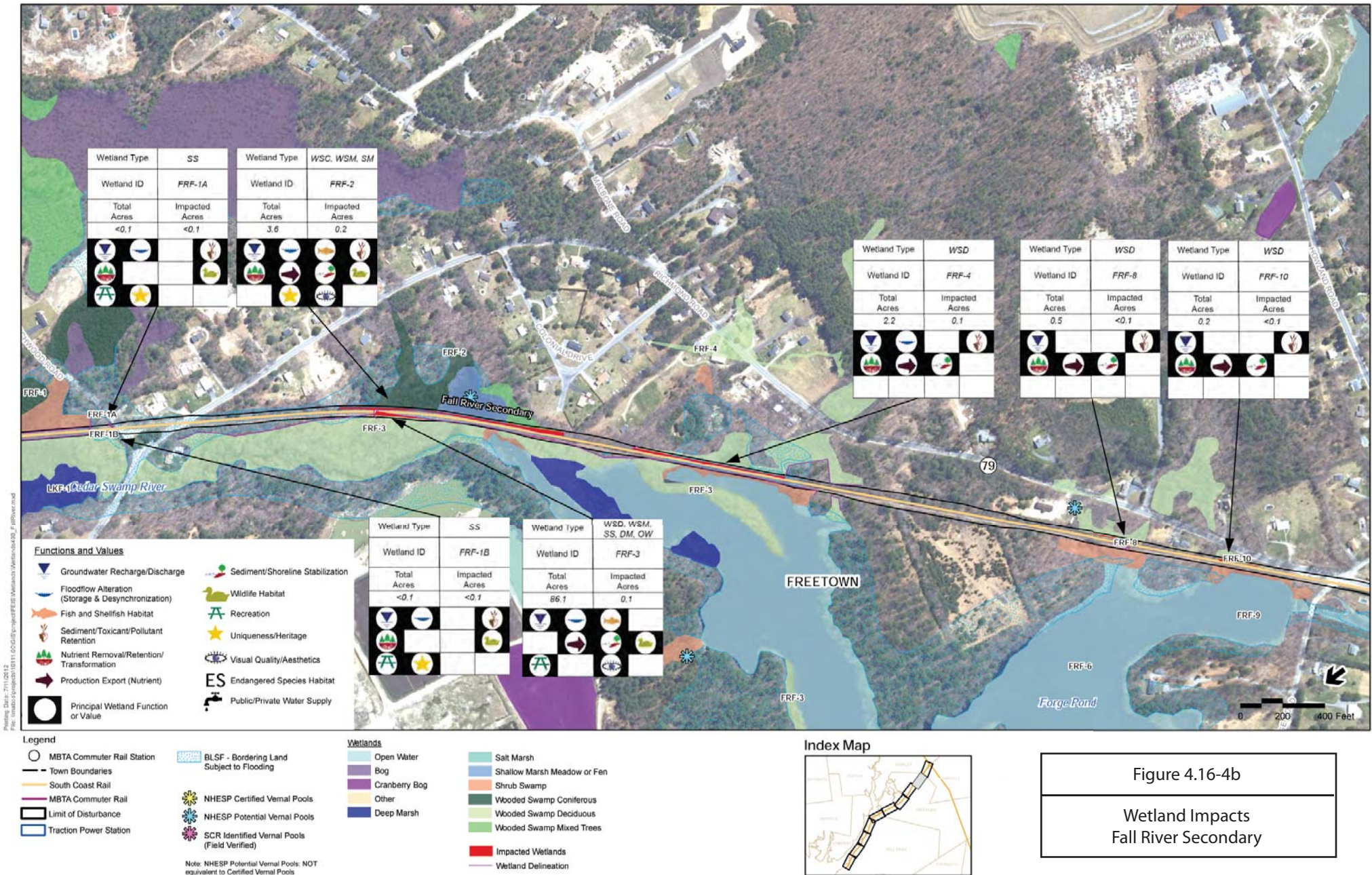
Wetland Impacts
New Bedford Main Line

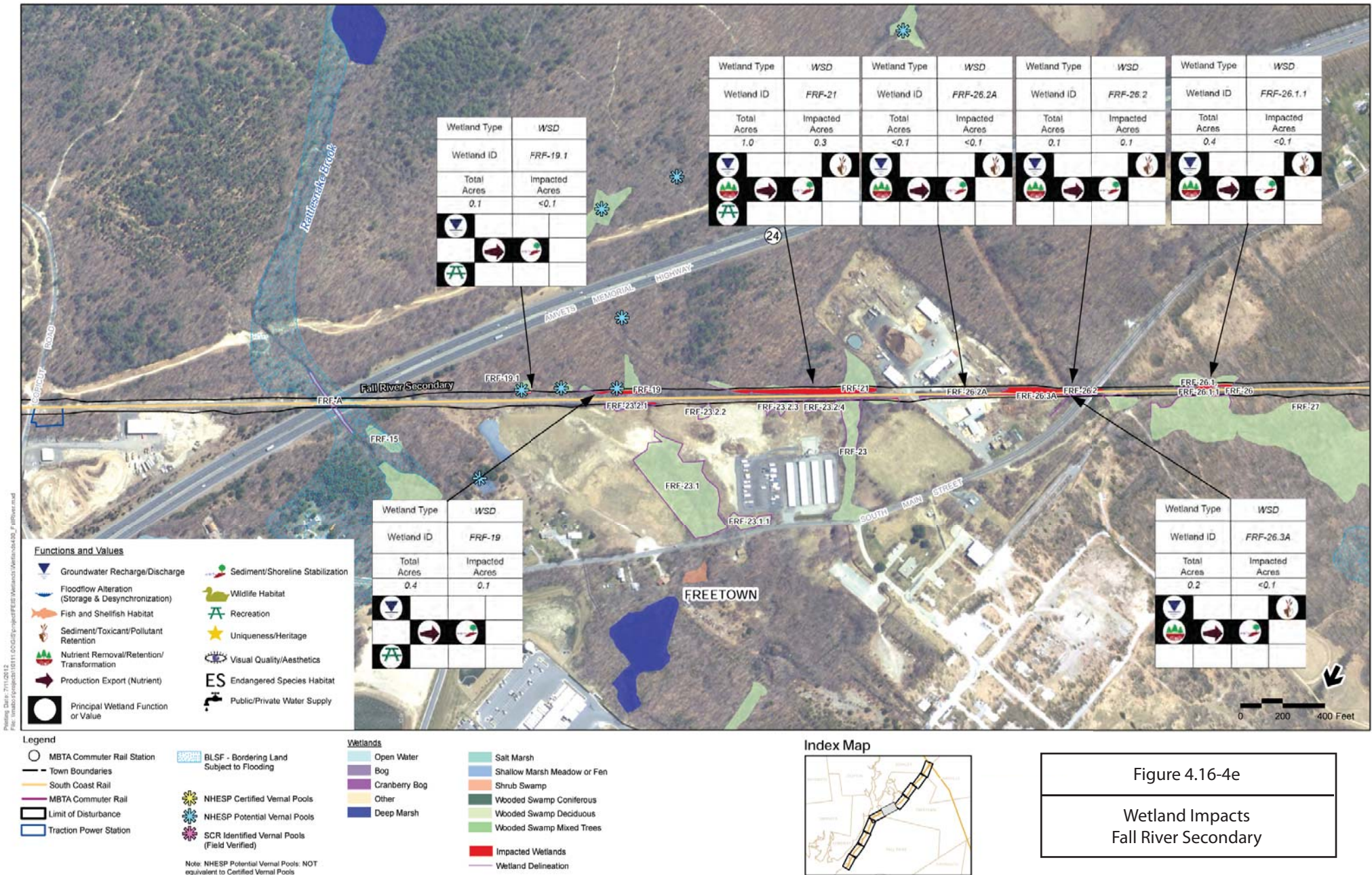


Figure 4.16-3q

Wetland Impacts
New Bedford Main Line







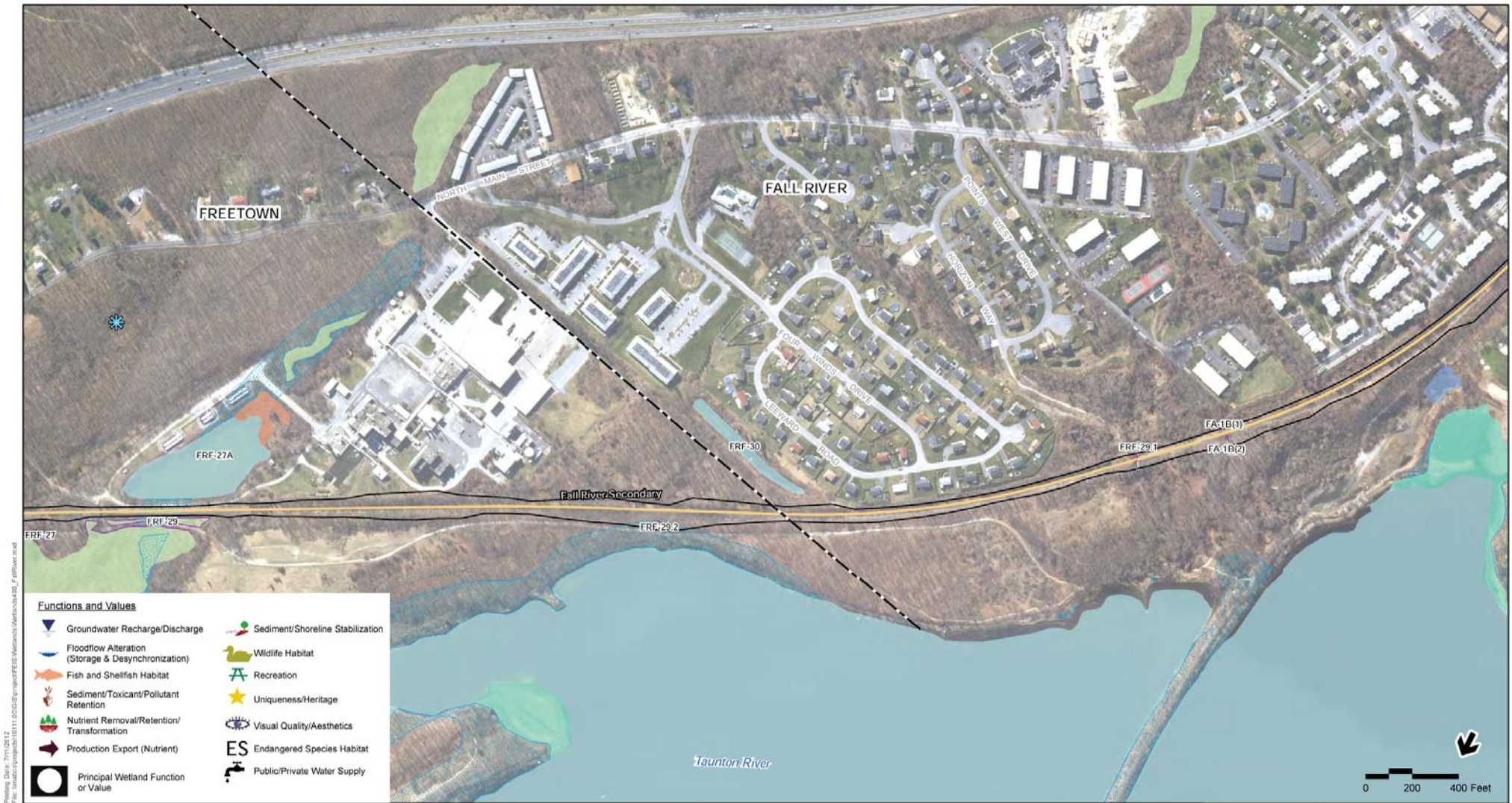


Figure 4.16-4f

Wetland Impacts
 Fall River Secondary



Figure 4.16-4g

Wetland Impacts
Fall River Secondary

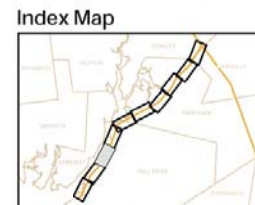


Figure 4.16-4h

Wetland Impacts
 Fall River Secondary

Project: Date: 7/11/2012
File: 4.16-4i-Fall River Secondary Wetlands.dwg, P. gifford.mxd



Figure 4.16-4i

Wetland Impacts
Fall River Secondary

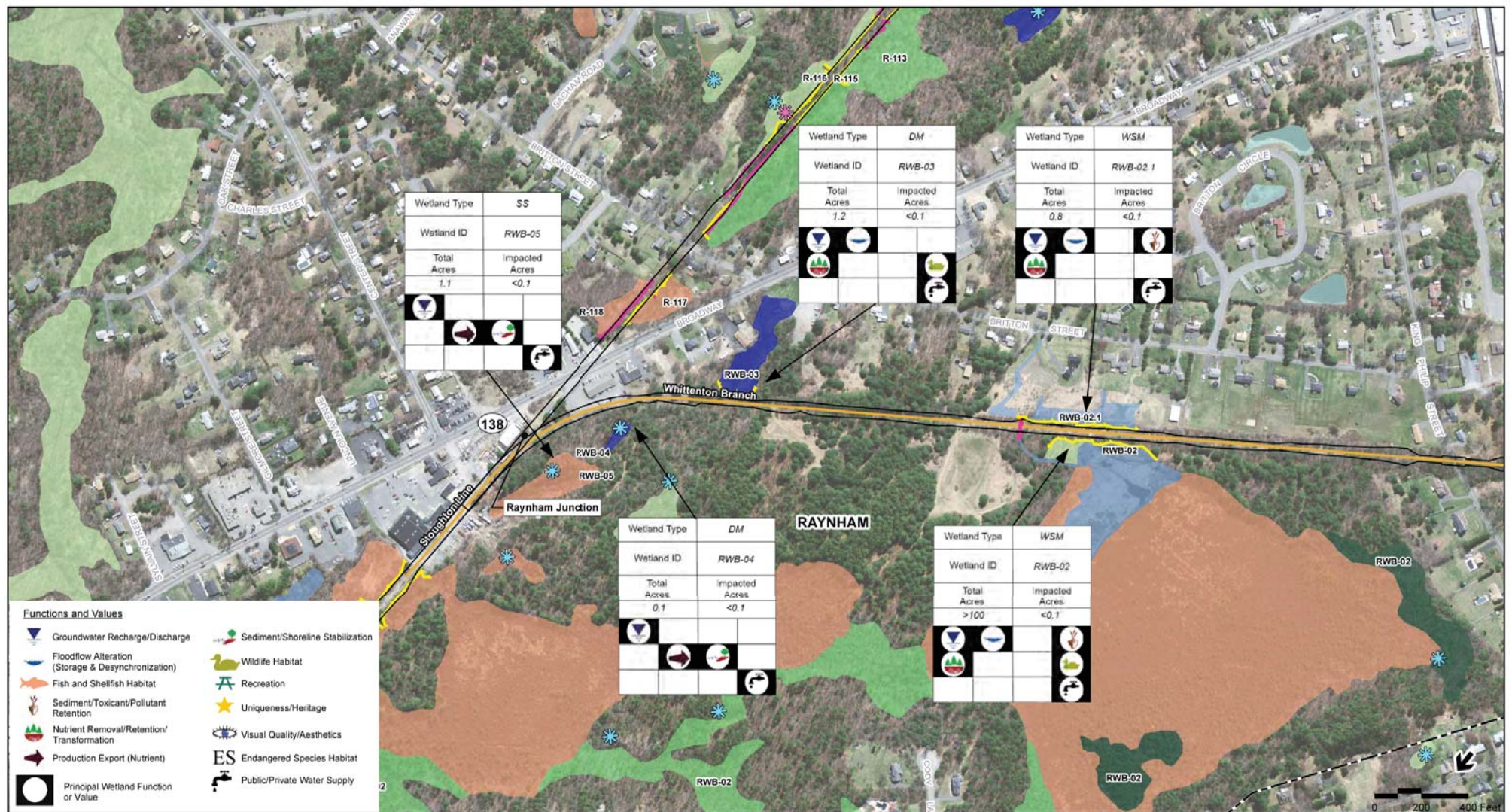
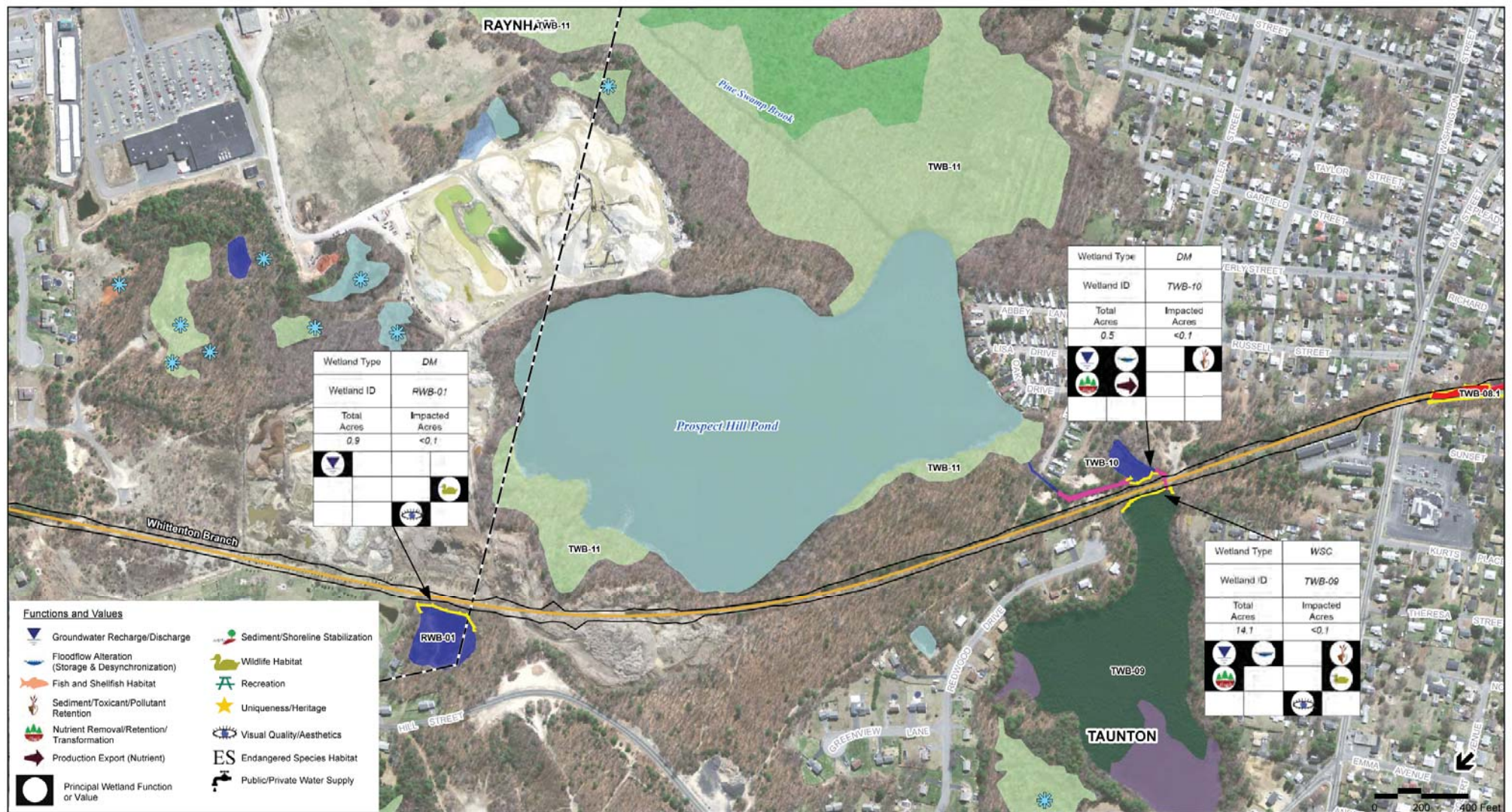


Figure 4.16-5a

Whittenton Alternative
Raynham Junction to Weir Junction

Wetlands and Wetland Impacts



Legend

- Proposed Alternative Alignment
- Proposed Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Limit of Work for Proposed Rail
- Delineated Wetland
- Delineated Waterway
- Impacted Wetlands

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- Field-Identified Potential Vernal Pools

Wetlands

- Open Water
- Bog
- Cranberry Bog
- Other
- Deep Marsh

- Salt Marsh
- Shallow Marsh Meadow or Fen
- Shrub Swamp
- Wooded Swamp Coniferous
- Wooded Swamp Deciduous
- Wooded Swamp Mixed Trees

Index Map

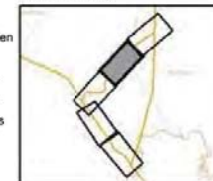
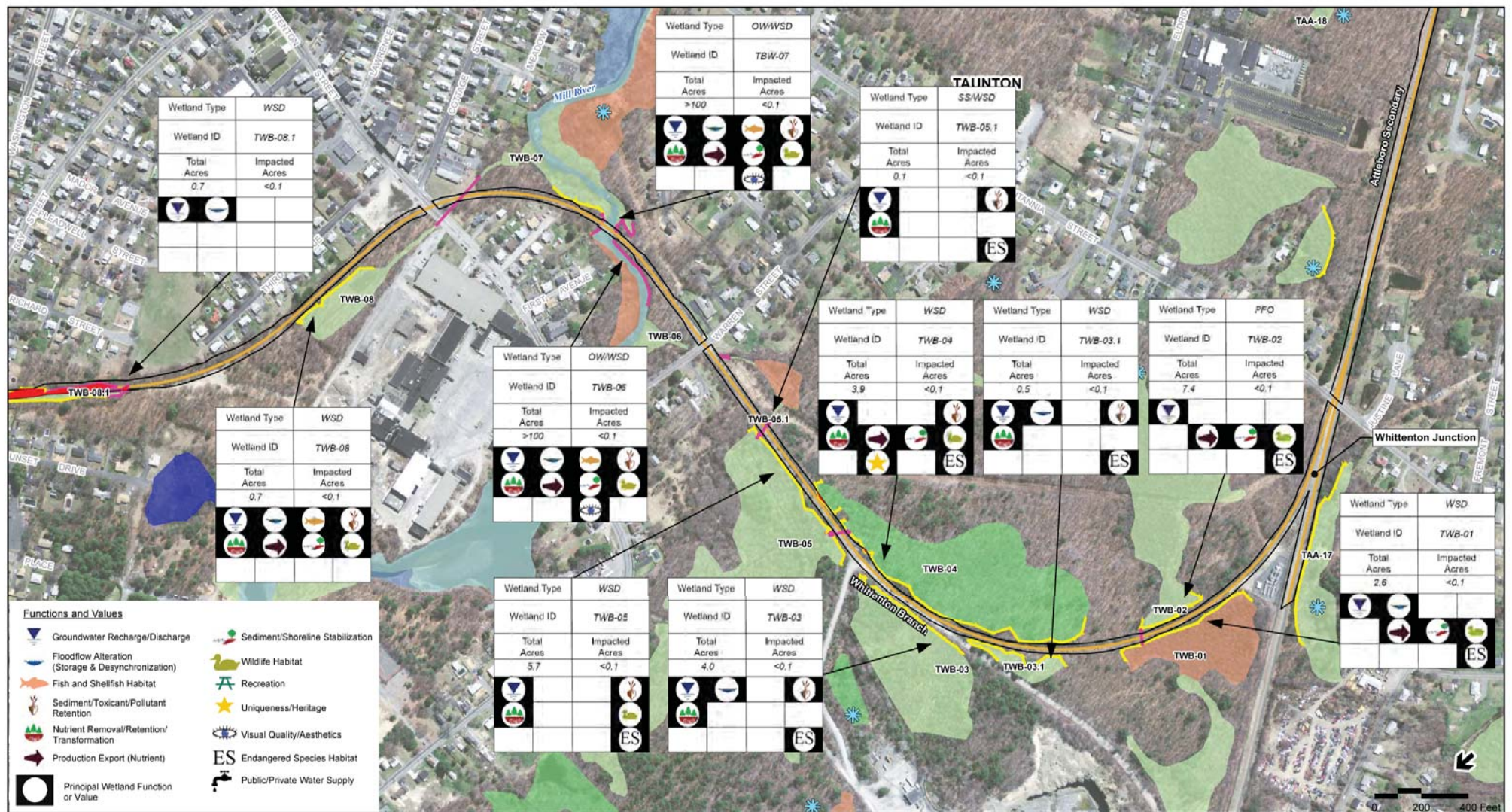


Figure 4.16-5b

Whittenton Alternative
Raynham Junction to Weir Junction

Wetlands and Wetland Impacts



Legend

- Proposed Alternative Alignment
- Proposed Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Limit of Work for Proposed Rail
- Delineated Wetland
- Delineated Waterway
- Impacted Wetlands

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- Field-Identified Potential Vernal Pools

Wetlands

- Open Water
- Bog
- Cranberry Bog
- Other
- Deep Marsh

- Salt Marsh
- Shallow Marsh Meadow or Fen
- Shrub Swamp
- Wooded Swamp Coniferous
- Wooded Swamp Deciduous
- Wooded Swamp Mixed Trees

Index Map

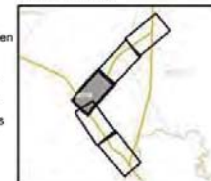


Figure 4.16-5c

Whittenton Alternative
Raynham Junction to Weir Junction

Wetlands and Wetland Impacts



Legend

- Proposed Alternative Alignment
- Proposed Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Limit of Work for Proposed Rail
- Delineated Wetland
- Delineated Waterway
- Impacted Wetlands

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- Field-Identified Potential Vernal Pools

Wetlands

- Open Water
- Bog
- Cranberry Bog
- Other
- Deep Marsh

- Salt Marsh
- Shallow Marsh Meadow or Fen
- Shrub Swamp
- Wooded Swamp Coniferous
- Wooded Swamp Deciduous
- Wooded Swamp Mixed Trees

Index Map

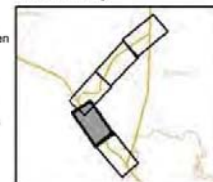


Figure 4.16-5d

Whittenton Alternative
Raynham Junction to Weir Junction

Wetlands and Wetland Impacts



Legend

- Proposed Alternative Alignment
- Proposed Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Limit of Work for Proposed Rail
- Delineated Wetland
- Delineated Waterway
- Impacted Wetlands

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- Field-Identified Potential Vernal Pools

Wetlands

- Open Water
- Bog
- Cranberry Bog
- Other
- Deep Marsh

- Salt Marsh
- Shallow Marsh Meadow or Fen
- Shrub Swamp
- Wooded Swamp Coniferous
- Wooded Swamp Deciduous
- Wooded Swamp Mixed Trees

Index Map

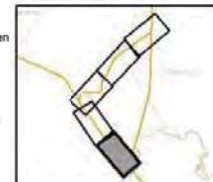
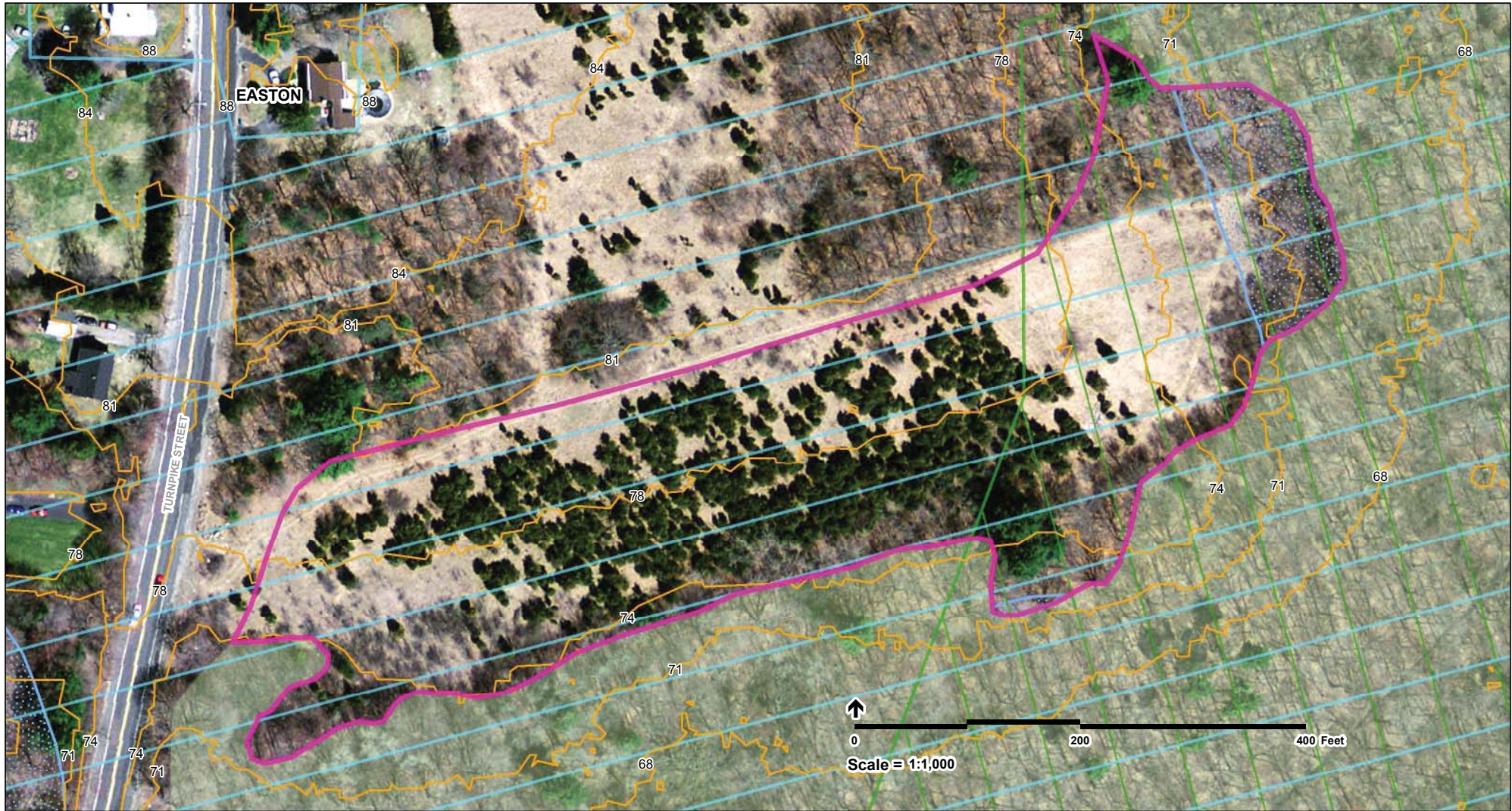


Figure 4.16-5e

Whittenton Alternative
Raynham Junction to Weir Junction

Wetlands and Wetland Impacts



- | | | | | |
|---|--|---|---|--|
| Legend <ul style="list-style-type: none"> ○ MBTA Commuter Rail Station — Town Boundaries — Stoughton Alternative — MBTA Commuter Rail ● Site Locus | <ul style="list-style-type: none"> — Existing Elevation Contours ■ Protected Open Space ■ Priority Habitat of Rare Species ■ Existing BLSF (Bordering Land Subject to Flooding) ■ Proposed Wetland Creation Area 71 Existing Elevation | Wetlands <ul style="list-style-type: none"> ■ Open Water ■ Bog ■ Cranberry Bog ■ Other ■ Deep Marsh | <ul style="list-style-type: none"> ■ Salt Marsh ■ Shallow Marsh Meadow or Fen ■ Shrub Swamp ■ Wooded Swamp Coniferous ■ Wooded Swamp Deciduous ■ Wooded Swamp Mixed Trees | Vernal Pools <ul style="list-style-type: none"> ★ NHESP Certified Vernal Pool ★ NHESP Potential Vernal Pool ★ Field-verified Vernal Pool |
|---|--|---|---|--|

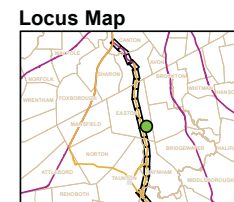


Figure 4.16-6
 Proposed Mitigation Area
 Site A
 Existing Conditions

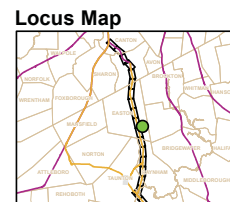
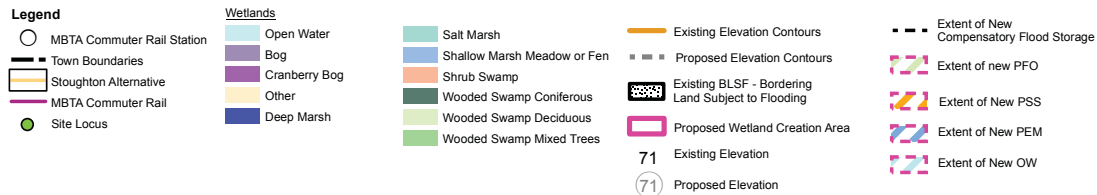
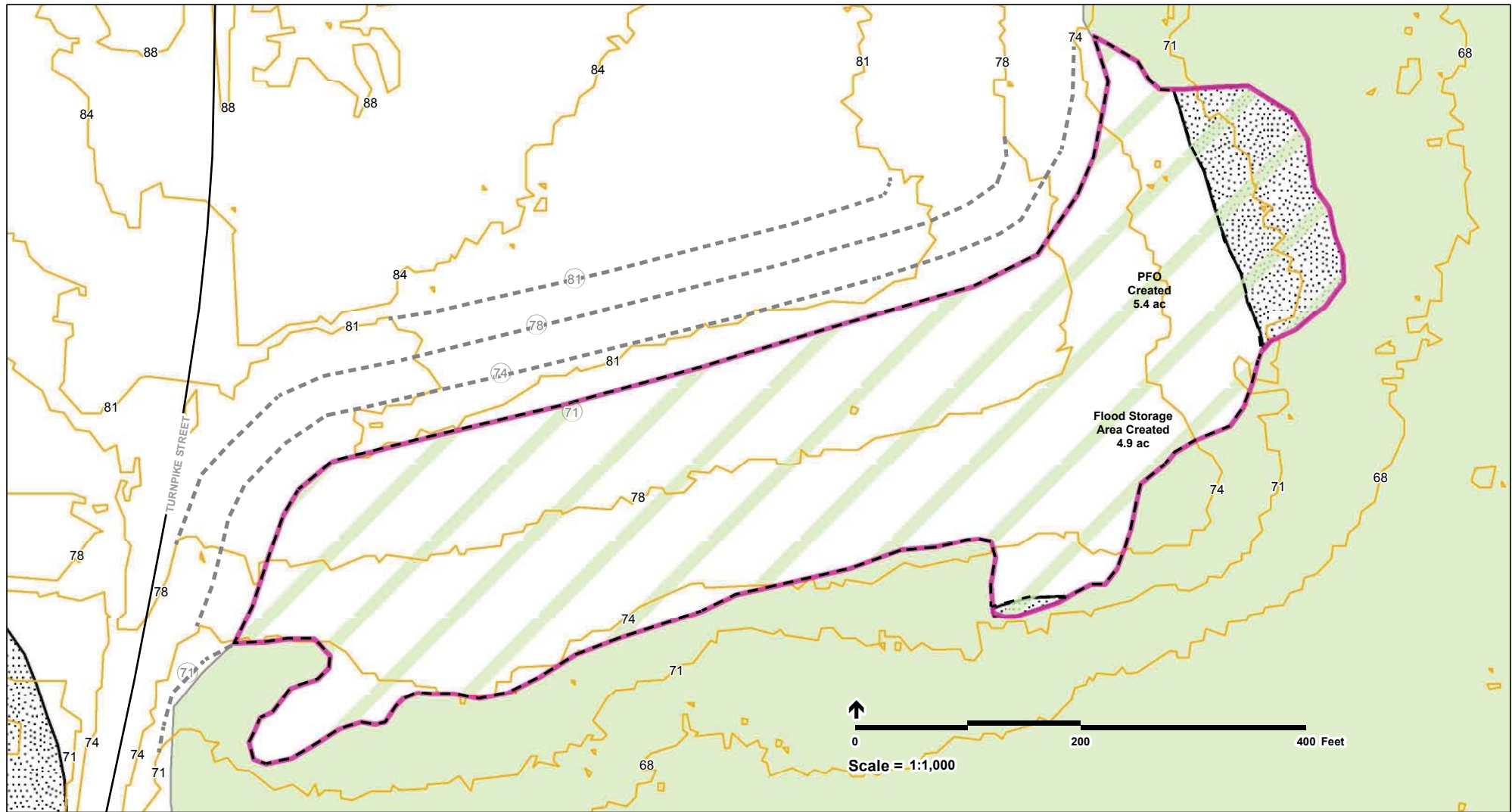
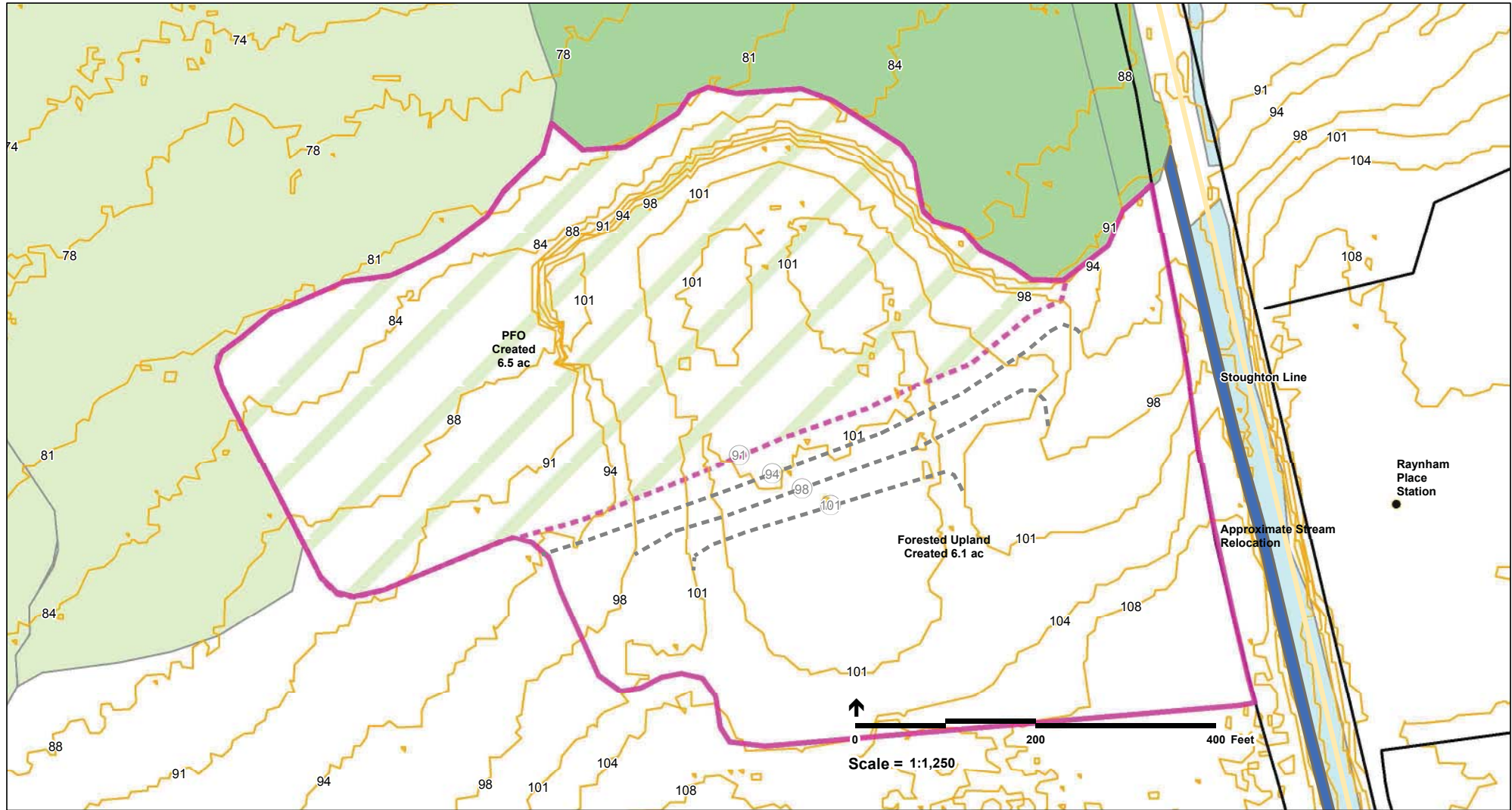


Figure 4.16-7
 Proposed Mitigation Area
 Site A
 Mitigation Design Concept



- | | | | |
|---|---|---|---|
| Legend <ul style="list-style-type: none"> ○ MBTA Commuter Rail Station — Town Boundaries — Stoughton Alternative — MBTA Commuter Rail ● Site Locus | Wetlands <ul style="list-style-type: none"> Open Water Bog Cranberry Bog Other Deep Marsh Salt Marsh Shallow Marsh Meadow or Fen Shrub Swamp Wooded Swamp Coniferous Wooded Swamp Deciduous Wooded Swamp Mixed Trees | <ul style="list-style-type: none"> Existing Elevation Contours Proposed Elevation Contours Existing BLSF - Bordering Land Subject to Flooding Proposed Wetland Creation / Upland Restoration Area Existing Elevation Proposed Elevation | <ul style="list-style-type: none"> Extent of New Compensatory Flood Storage Extent of new PFO Extent of New PSS Extent of New PEM Extent of New OW |
|---|---|---|---|

Locus Map

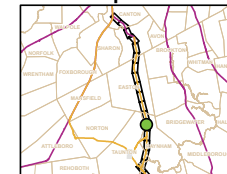
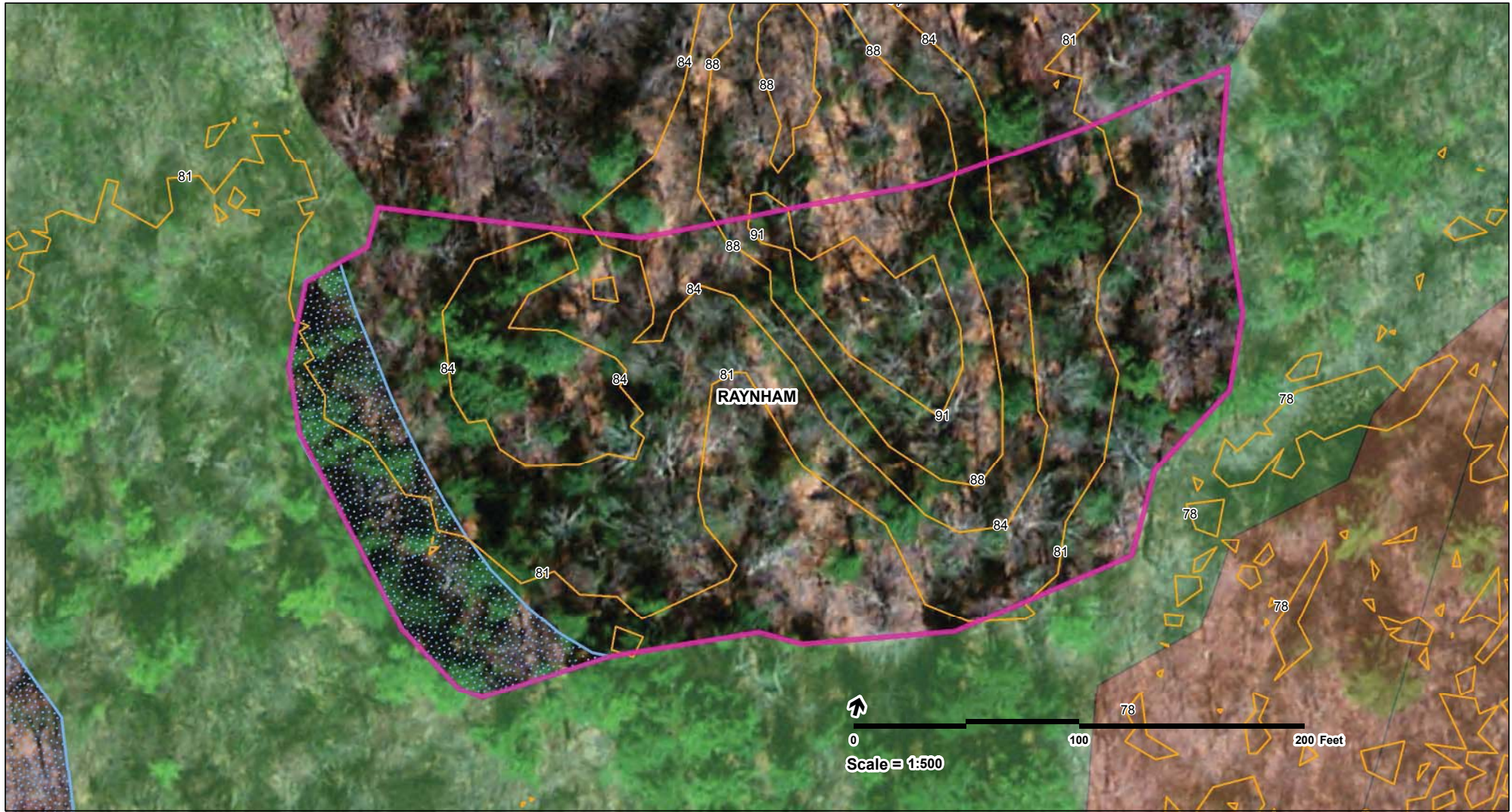


Figure 4.16-9
 Proposed Mitigation Area
 Site B
 Mitigation Design Concept



| Legend | | | | |
|----------------------------|--|-----------------|--------------------------|-----------------------------|
| MBTA Commuter Rail Station | Existing Elevation Contours | Wetlands | | |
| Town Boundaries | Protected Open Space | Open Water | Salt Marsh | Vernal Pools |
| Stoughton Alternative | Priority Habitat of Rare Species | Bog | Shrub Swamp | |
| MBTA Commuter Rail | Existing BLSF (Bordering Land Subject to Flooding) | Cranberry Bog | Wooded Swamp Coniferous | |
| Site Locus | Proposed Wetland Creation Area | Other | Wooded Swamp Deciduous | |
| | Existing Elevation | Deep Marsh | Wooded Swamp Mixed Trees | |
| | | | | NHESP Certified Vernal Pool |
| | | | | NHESP Potential Vernal Pool |
| | | | | Field-verified Vernal Pool |

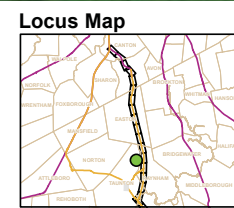


Figure 4.16-10
 Proposed Mitigation Area
 Site C
 Existing Conditions

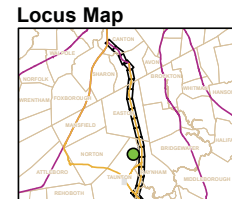
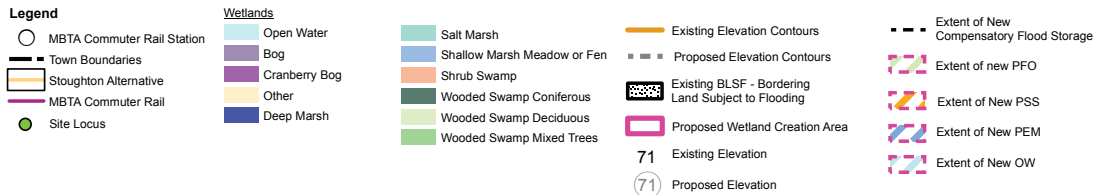
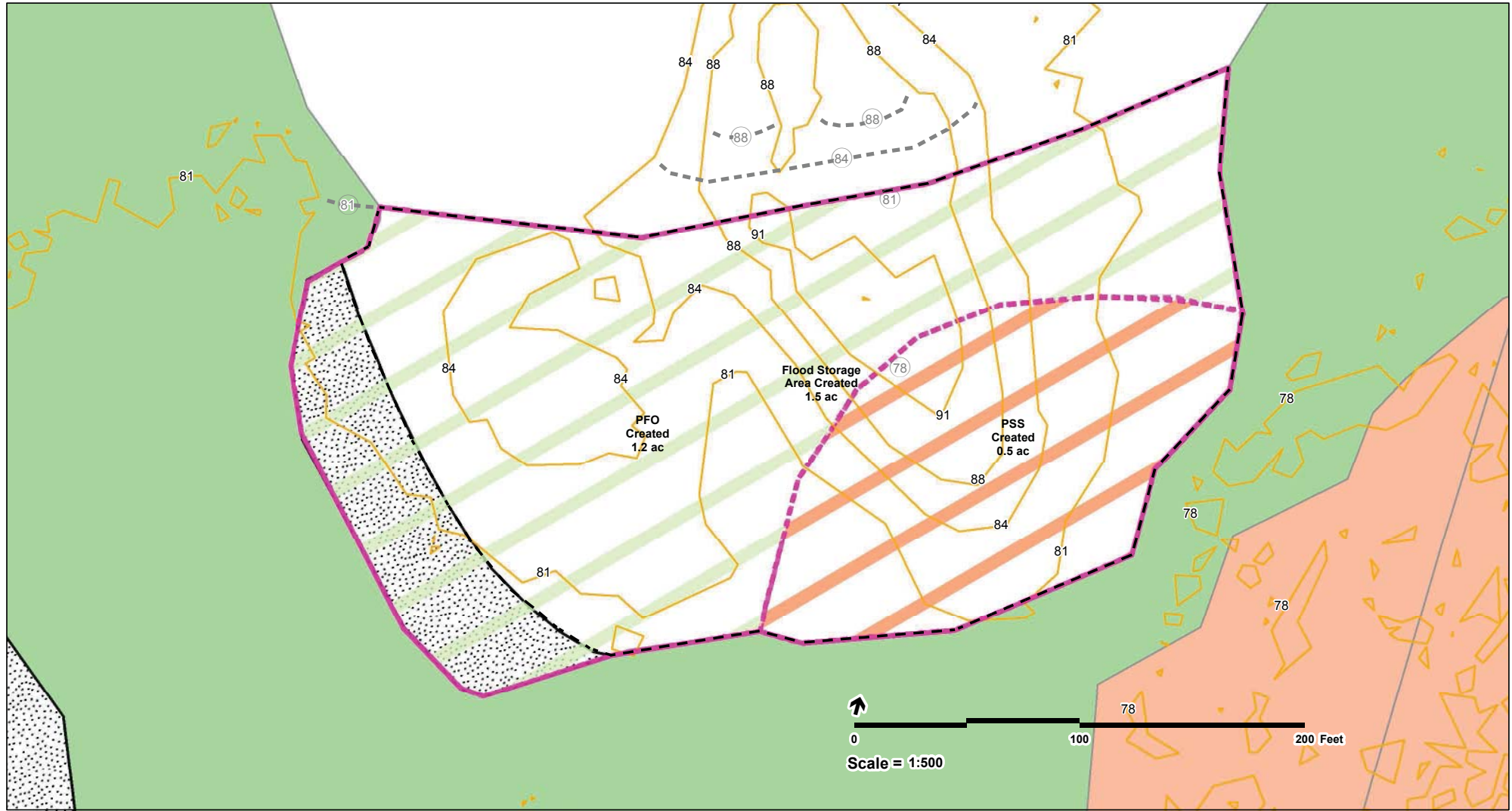
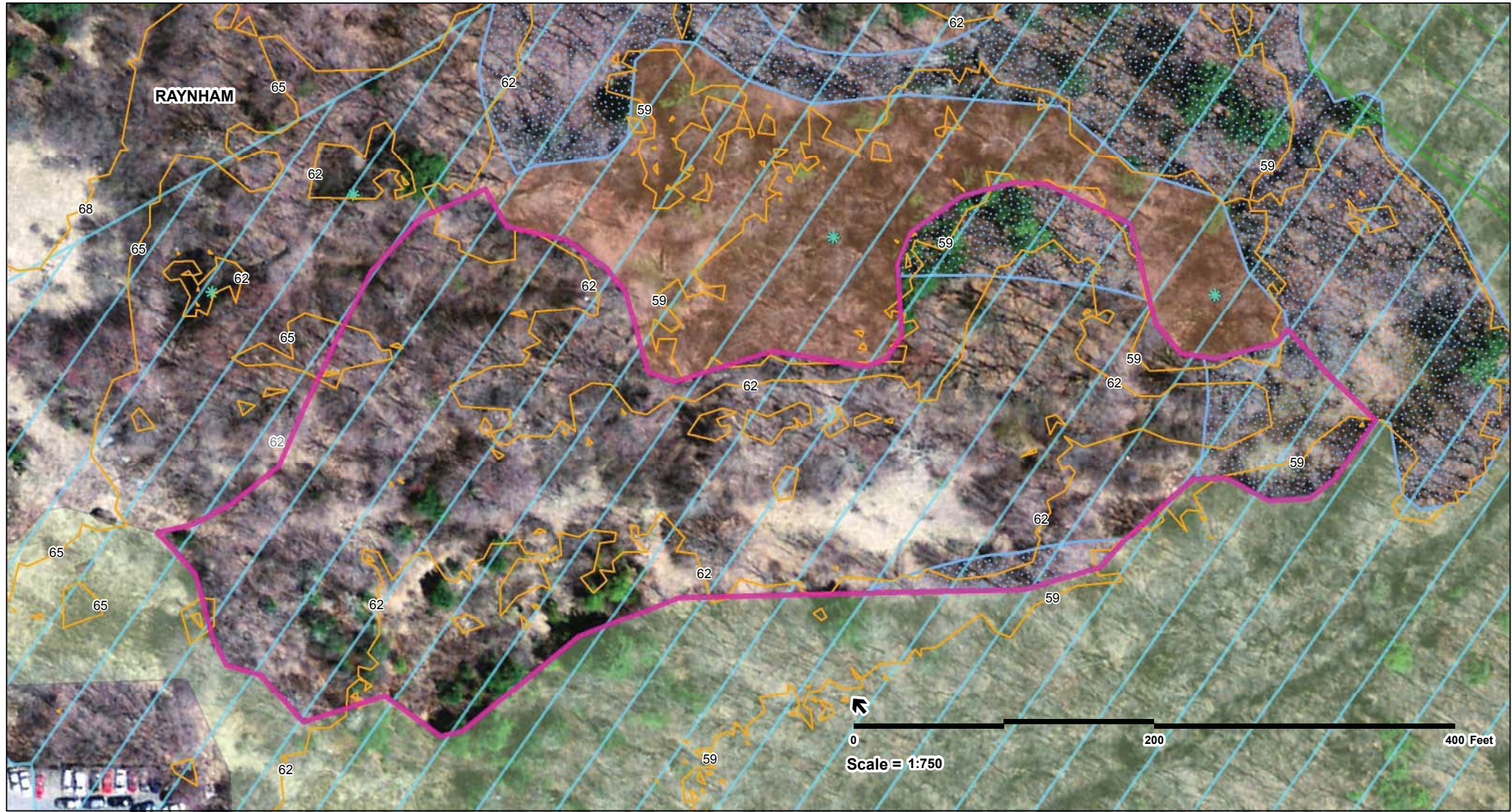


Figure 4.16-11
 Proposed Mitigation Area
 Site C
 Mitigation Design Concept



- | | | | |
|--|--|--|--|
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|--|--|--|--|

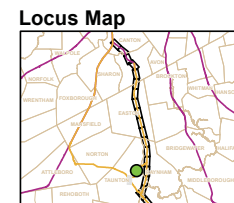
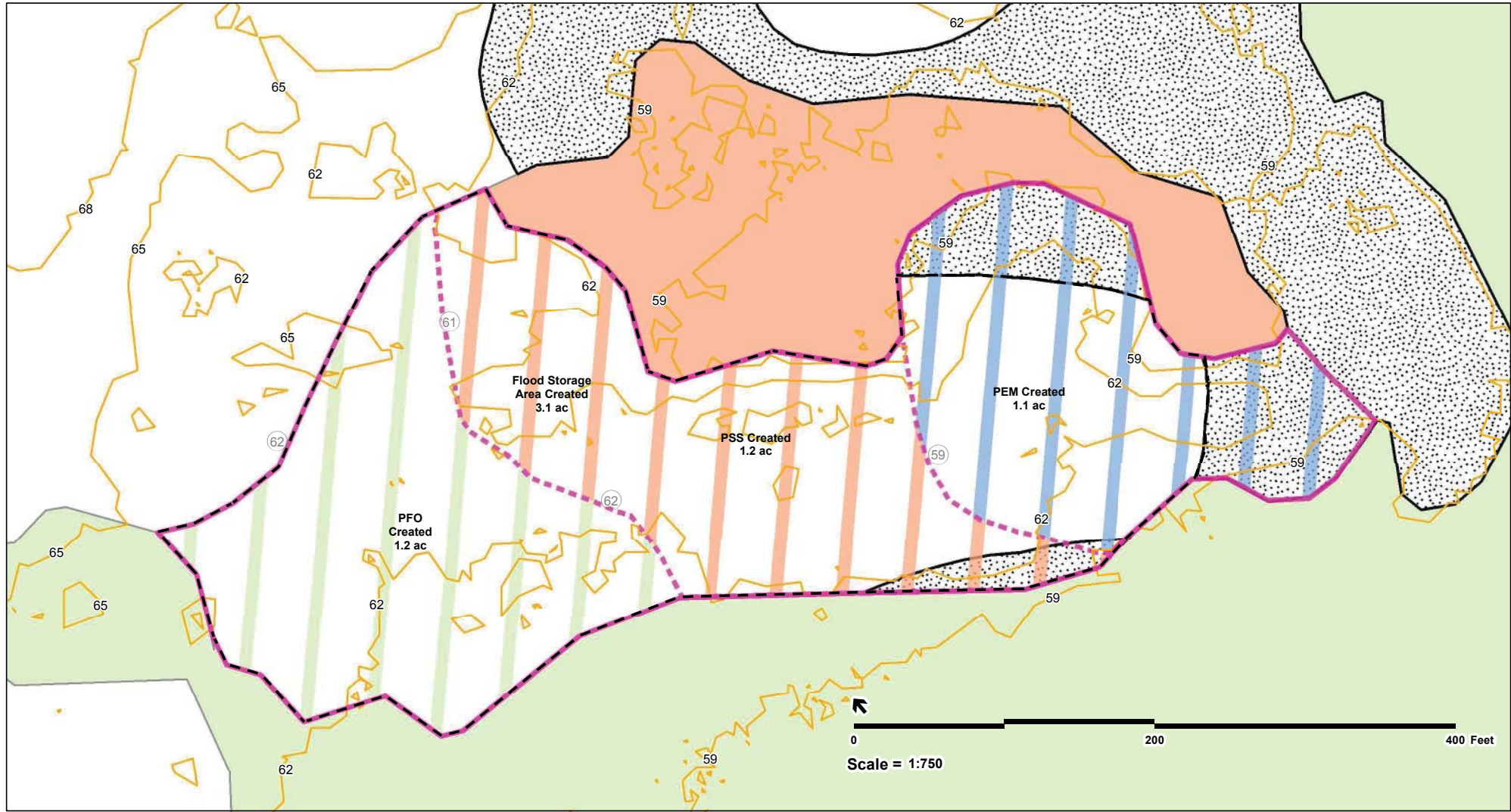


Figure 4.16-12
 Proposed Mitigation Area
 Site D
 Existing Conditions



- Legend**
- MBTA Commuter Rail Station
 - Town Boundaries
 - Stoughton Alternative
 - MBTA Commuter Rail
 - Site Locus
- Wetlands**
- Open Water
 - Bog
 - Cranberry Bog
 - Other
 - Deep Marsh
 - Salt Marsh
 - Shallow Marsh Meadow or Fen
 - Shrub Swamp
 - Wooded Swamp Coniferous
 - Wooded Swamp Deciduous
 - Wooded Swamp Mixed Trees
- Existing Elevation Contours
 - Proposed Elevation Contours
 - Existing BLSF - Bordering Land Subject to Flooding
 - Proposed Wetland Creation Area
 - 71 Existing Elevation
 - 71 Proposed Elevation
 - Extent of New Compensatory Flood Storage
 - Extent of new PFO
 - Extent of New PSS
 - Extent of New PEM
 - Extent of New OW

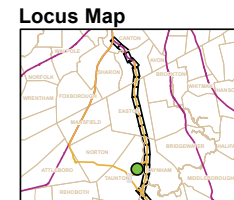
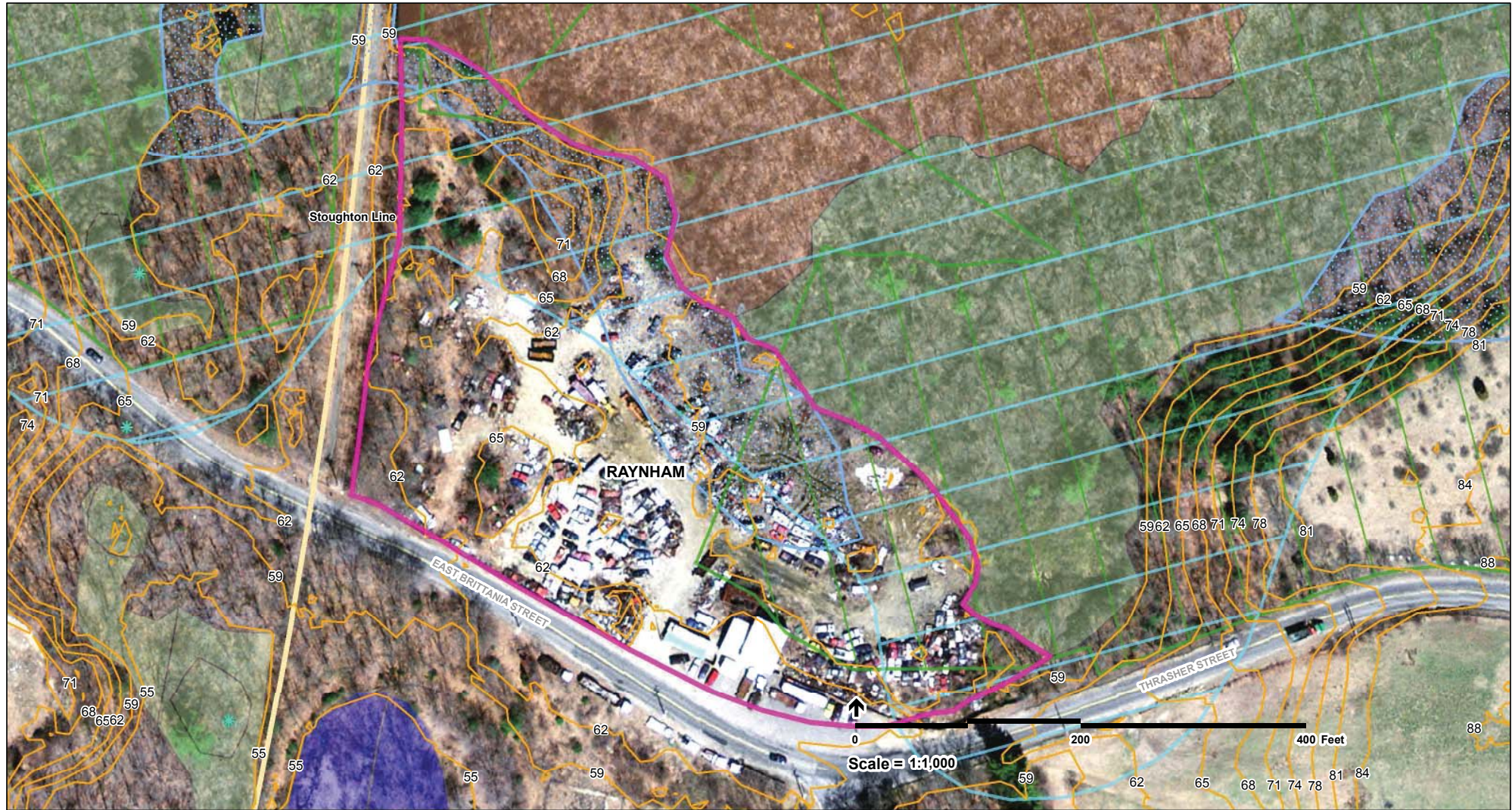


Figure 4.16-13
 Proposed Mitigation Area
 Site D
 Proposed Mitigation Concept



- Legend**
- MBTA Commuter Rail Station
 - Town Boundaries
 - Stoughton Alternative
 - MBTA Commuter Rail
 - Site Locus
 - Existing Elevation Contours
 - Protected Open Space
 - Priority Habitat of Rare Species
 - Existing BLSF (Bordering Land Subject to Flooding)
 - Proposed Wetland Creation Area
 - 71 Existing Elevation
- Wetlands**
- Open Water
 - Bog
 - Cranberry Bog
 - Other
 - Deep Marsh
 - Salt Marsh
 - Shallow Marsh Meadow or Fen
 - Shrub Swamp
 - Wooded Swamp Coniferous
 - Wooded Swamp Deciduous
 - Wooded Swamp Mixed Trees
- Vernal Pools**
- NHESP Certified Vernal Pool
 - NHESP Potential Vernal Pool
 - Field-verified Vernal Pool

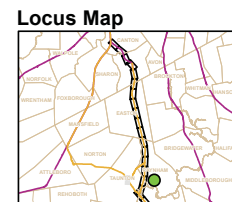


Figure 4.16-14
 Proposed Mitigation Area
 Site E
 Existing Conditions

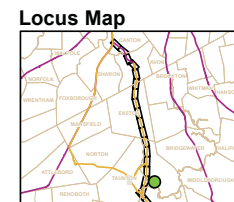
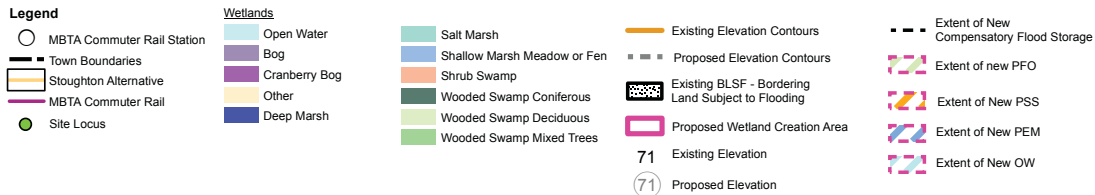
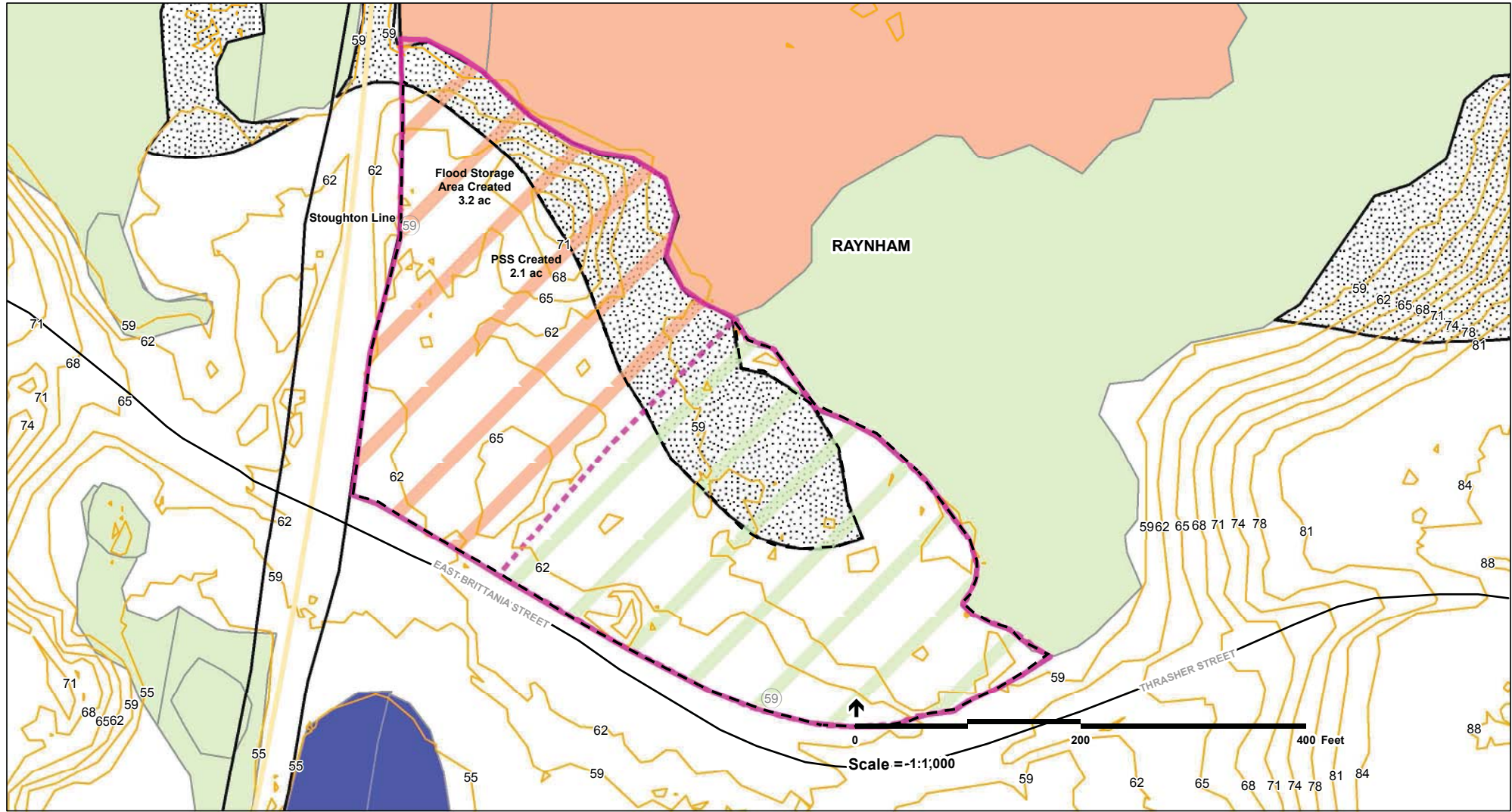


Figure 4.16-15
 Proposed Mitigation Area
 Site E
 Mitigation Design Concept

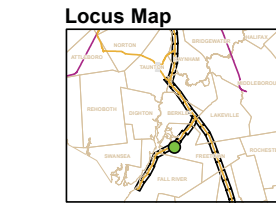
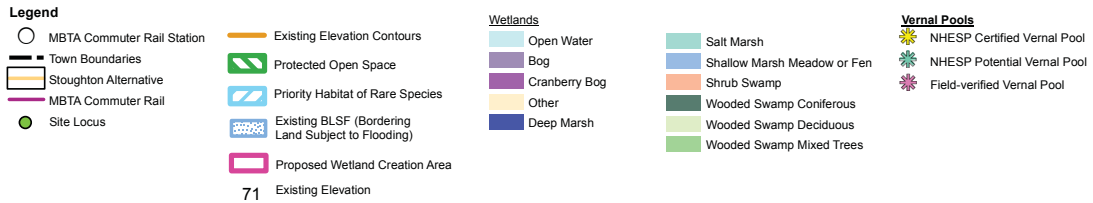
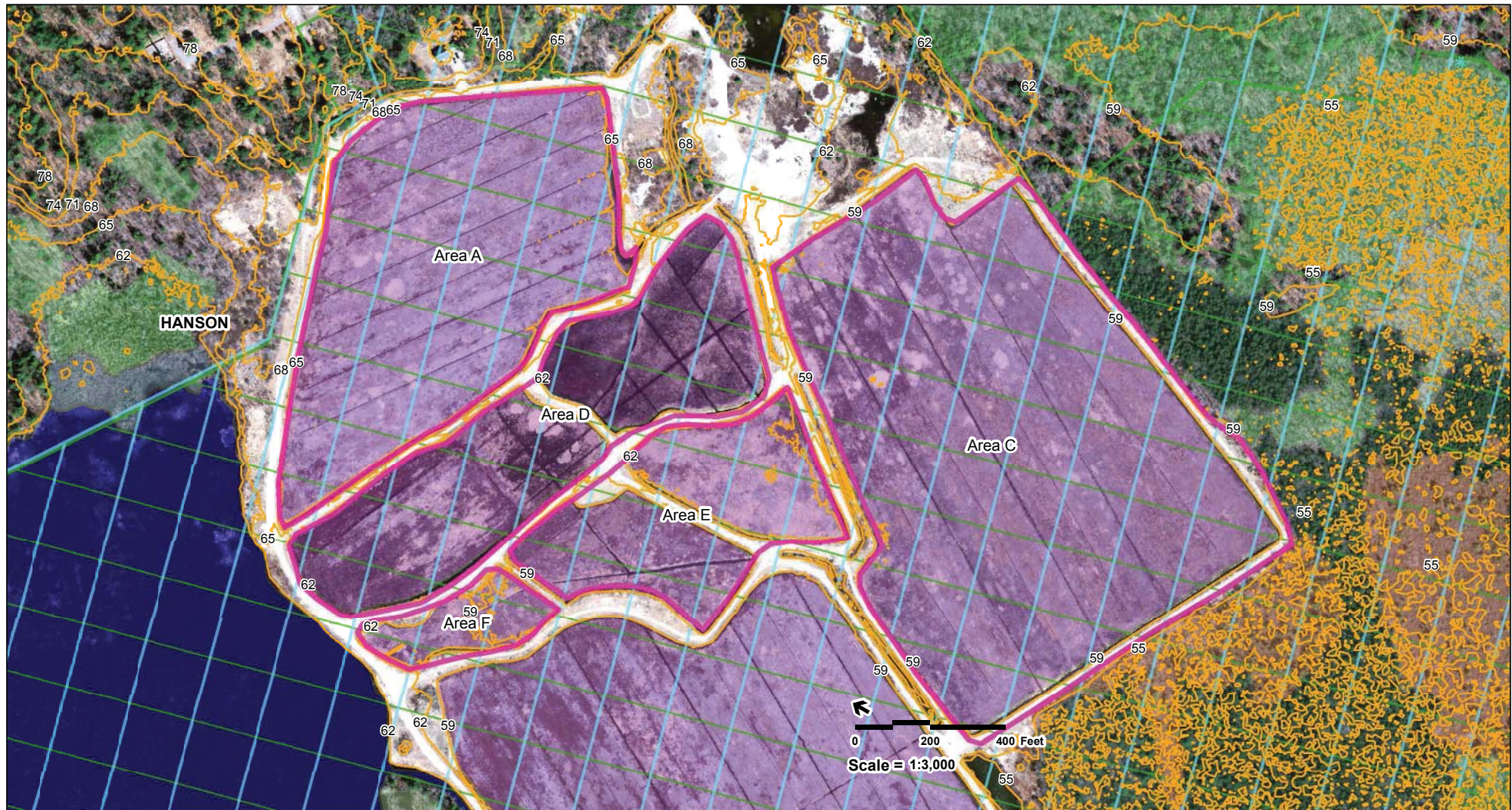


Figure 4.16-16
 Proposed Mitigation Area
 Site F - Terry Brook Pond
 Existing Conditions

Project Date: 11/8/2023
File: \MADS\Projects\111110\GIS\Project\FELSWetlandMitigation\Sites_Selection\Sites_G_Aerial.mxd



- Legend**
- | | | | | |
|----------------------------|--|-----------------|-----------------------------|-----------------------------|
| MBTA Commuter Rail Station | Existing Elevation Contours | Wetlands | Salt Marsh | Vernal Pools |
| Town Boundaries | Protected Open Space | Open Water | Shallow Marsh Meadow or Fen | NHESP Certified Vernal Pool |
| Stoughton Alternative | Priority Habitat of Rare Species | Bog | Shrub Swamp | NHESP Potential Vernal Pool |
| MBTA Commuter Rail | Existing BLSF (Bordering Land Subject to Flooding) | Cranberry Bog | Wooded Swamp Coniferous | Field-verified Vernal Pool |
| Site Locus | Proposed Wetland Creation Area | Other | Wooded Swamp Deciduous | |
| | Existing Elevation | Deep Marsh | Wooded Swamp Mixed Trees | |
- 71 Existing Elevation

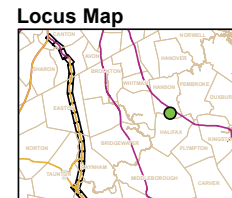


Figure 4.16-18
Proposed Mitigation Area
Site G - Burrage Pond WMA
Existing Conditions

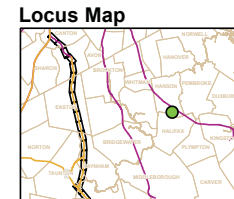
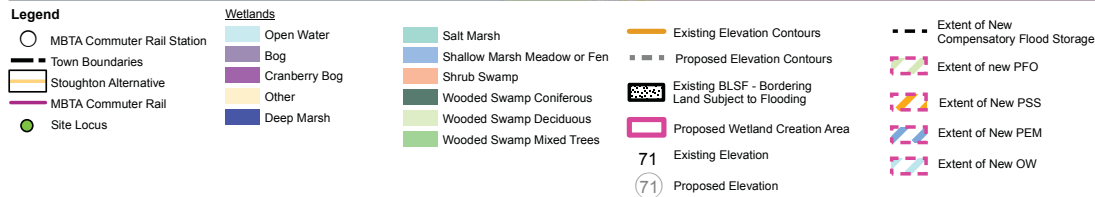
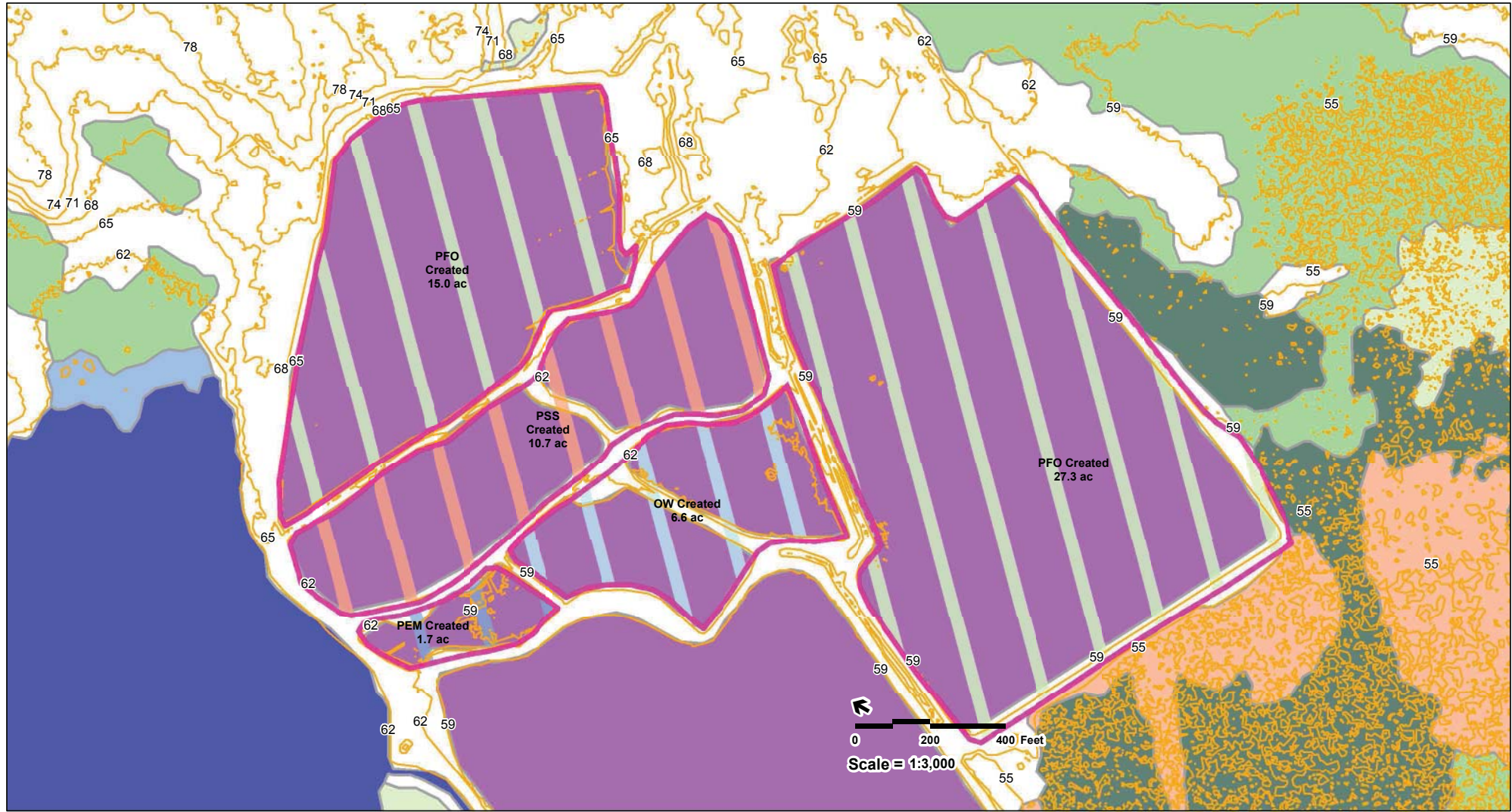


Figure 4.16-19
 Proposed Mitigation Area
 Site G - Burrage Pond WMA
 Proposed Mitigation Concept