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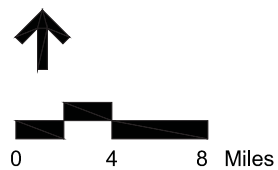
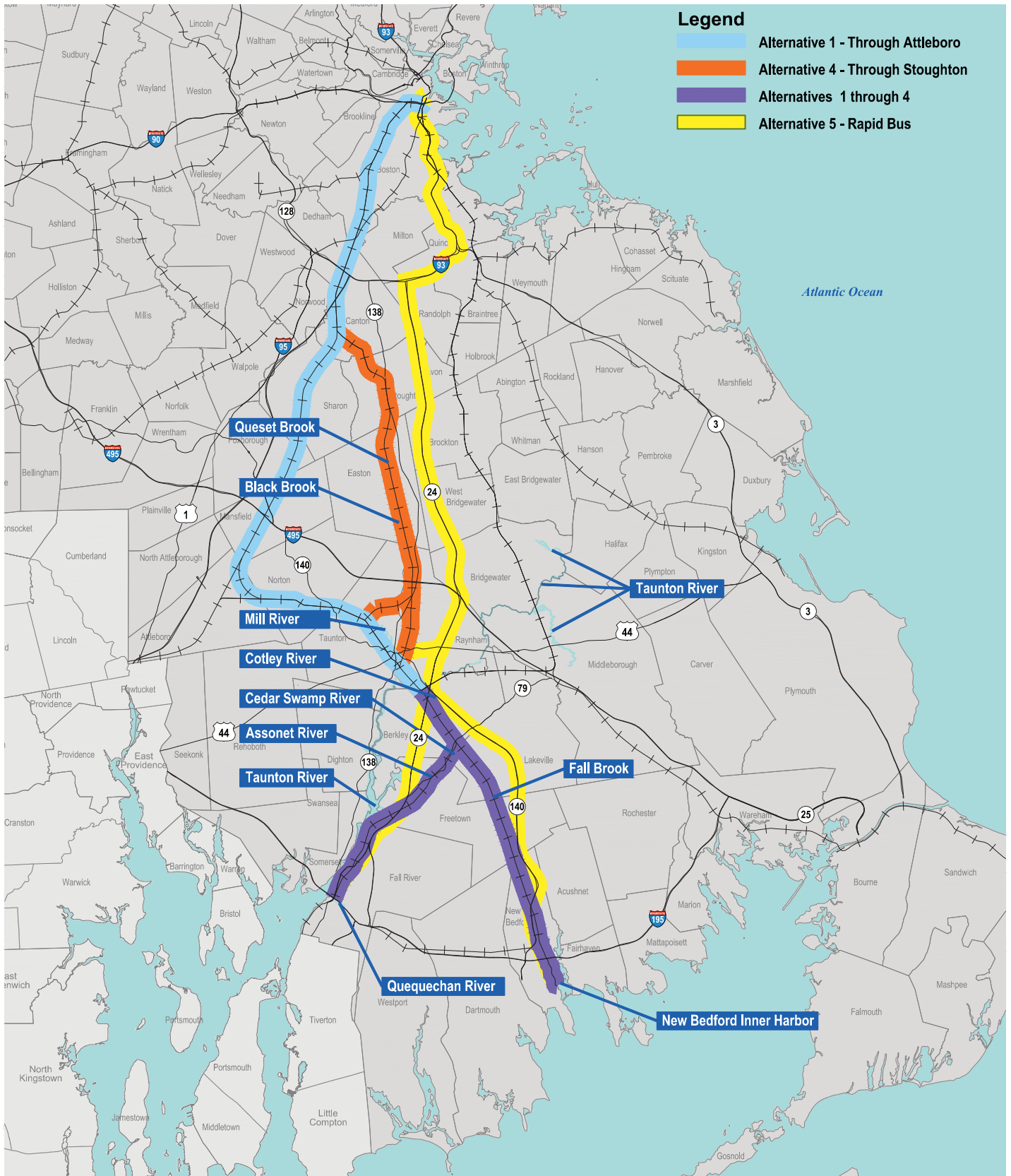


Figure 4.16-1
Major Water Bodies



- Functions and Values**
- Groundwater Recharge/Discharge
 - Floodflow Alteration (Storage & Desynchronization)
 - Fish and Shellfish Habitat
 - Sediment/Toxicant/Pollutant Retention
 - Nutrient Removal/Retention/Transformation
 - Production Export (Nutrient)
 - Principal Wetland Function or Value
 - Sediment/Shoreline Stabilization
 - Wildlife Habitat
 - Recreation
 - Uniqueness/Heritage
 - Visual Quality/Aesthetics
 - ES Endangered Species Habitat
 - Public/Private Water Supply

- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station/Layover Facility
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
 - BLSF - Bordering Land Subject to Flooding
 - 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

* Traction power stations are only required for electric rail alternative

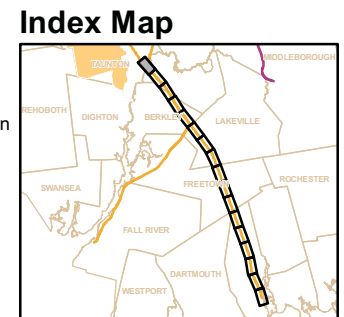


Figure 4.16-2a
All Rail Alternatives - New Bedford Main Line

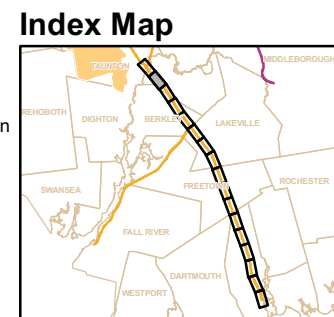
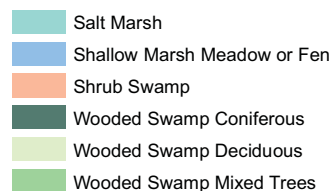
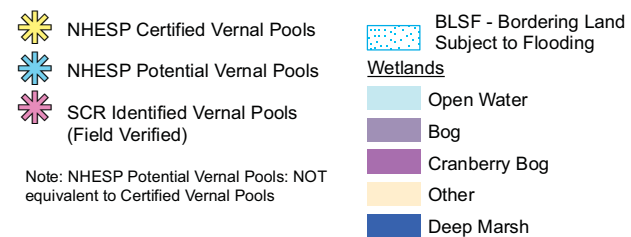
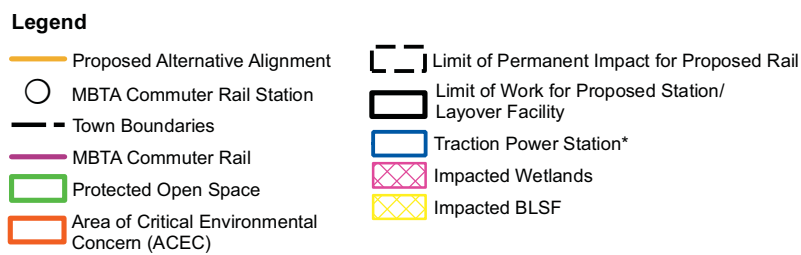
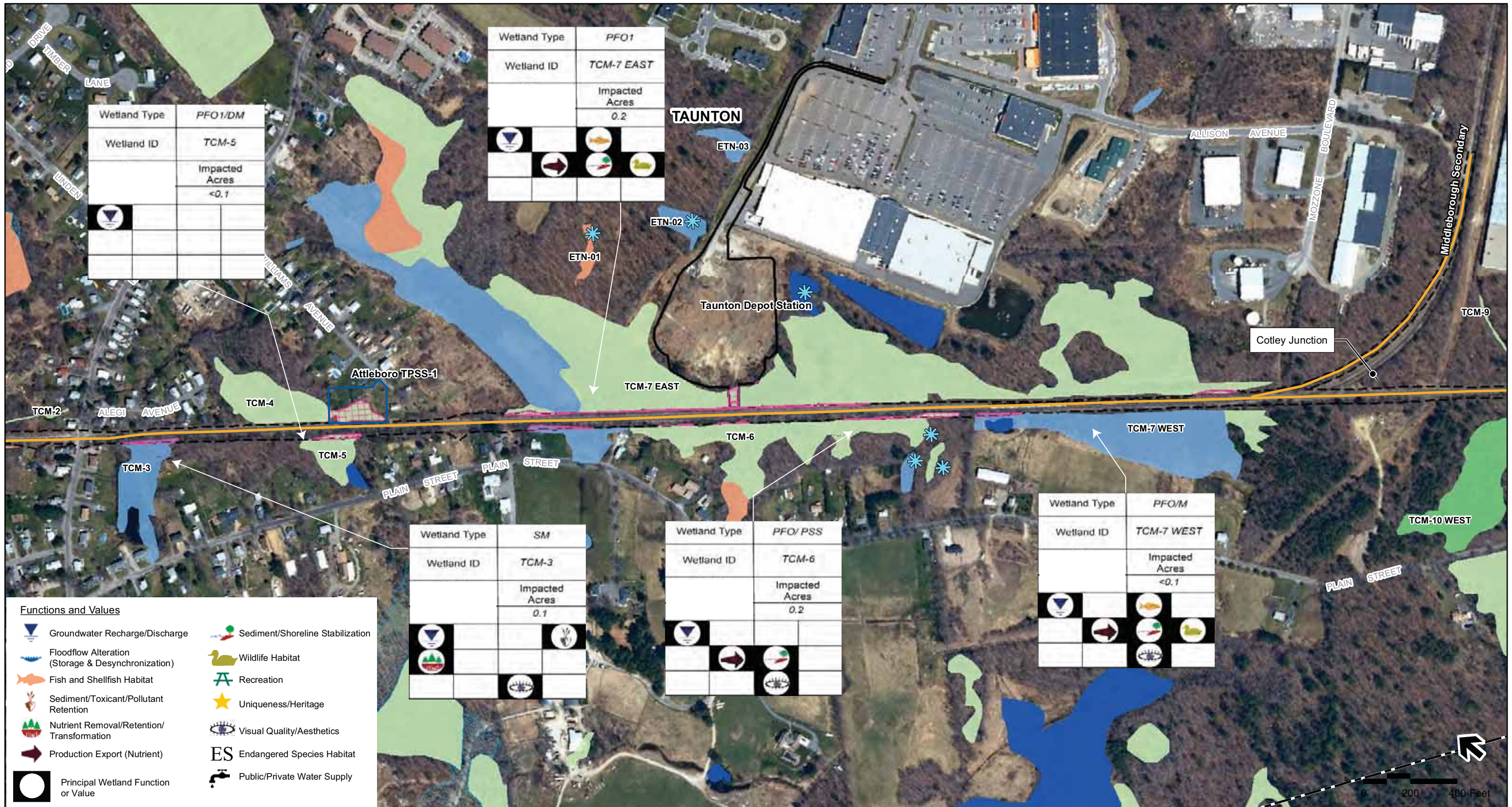


Figure 4.16-2b

All Rail Alternatives -
New Bedford Main Line

* Traction power stations are only required for electric rail alternative



- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
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 - Protected Open Space
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 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station/Layover Facility
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

- BLSF - Bordering Land Subject to Flooding**
- 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

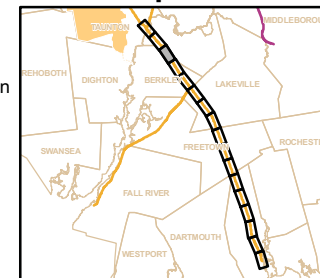


Figure 4.16-2c
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative

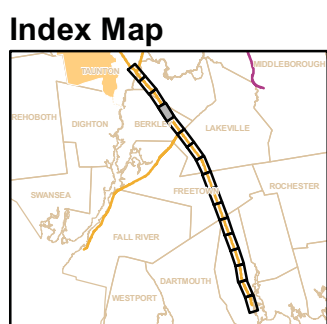
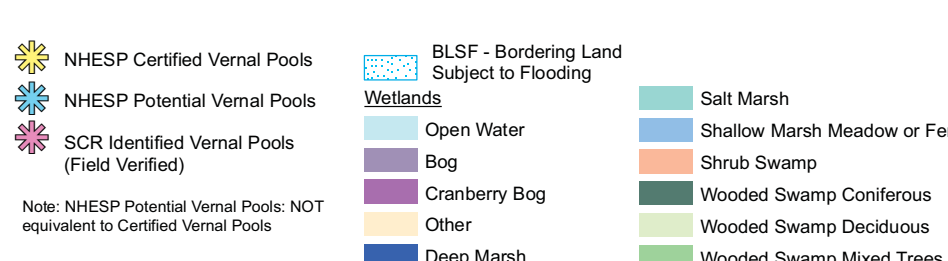
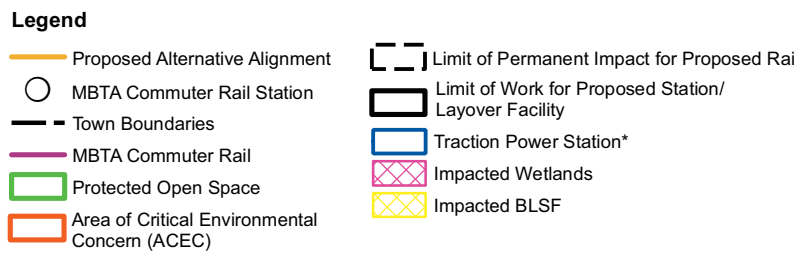
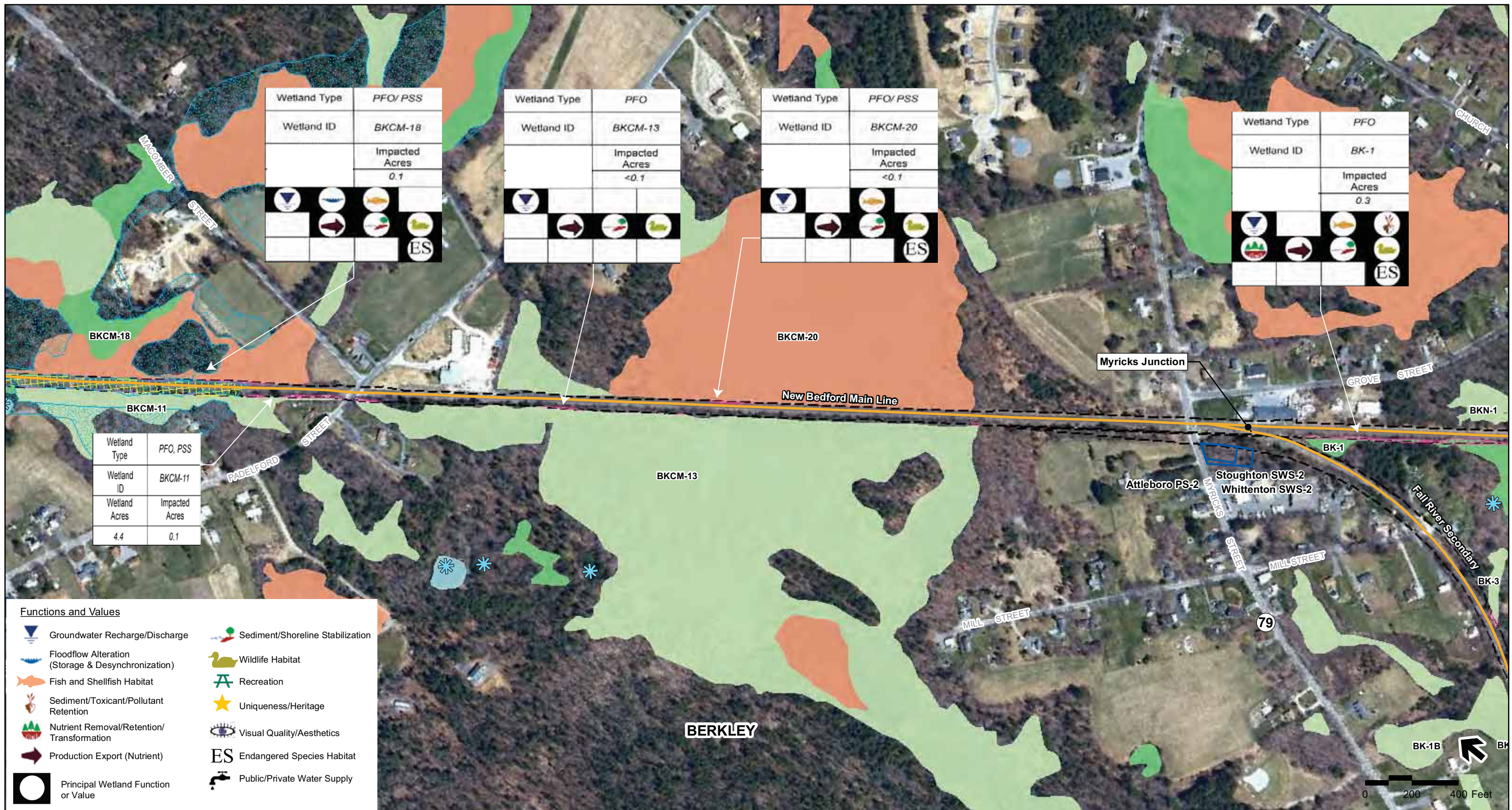


Figure 4.16-2d
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO/ PSS
Wetland ID	BKCM-18
Impacted Acres	0.1
ES	

Wetland Type	PFO
Wetland ID	BKCM-13
Impacted Acres	<0.1
ES	

Wetland Type	PFO/ PSS
Wetland ID	BKCM-20
Impacted Acres	<0.1
ES	

Wetland Type	PFO
Wetland ID	BK-1
Impacted Acres	0.3
ES	

Wetland Type	PFO, PSS
Wetland ID	BKCM-11
Wetland Acres	4.4
Impacted Acres	0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail		NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding		Salt Marsh
	MBTA Commuter Rail Station		Limit of Work for Proposed Station/Layover Facility		NHESP Potential Vernal Pools		Open Water		Shallow Marsh Meadow or Fen
	Town Boundaries		Traction Power Station*		SCR Identified Vernal Pools (Field Verified)		Bog		Shrub Swamp
	MBTA Commuter Rail		Impacted Wetlands	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools			Cranberry Bog		Wooded Swamp Coniferous
	Protected Open Space		Impacted BLSF		Deep Marsh		Other		Wooded Swamp Deciduous
	Area of Critical Environmental Concern (ACEC)				Wooded Swamp Mixed Trees				

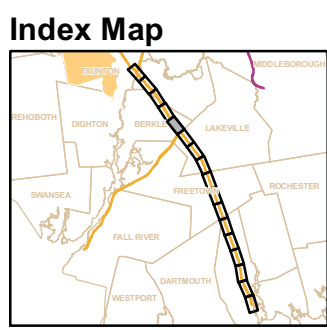
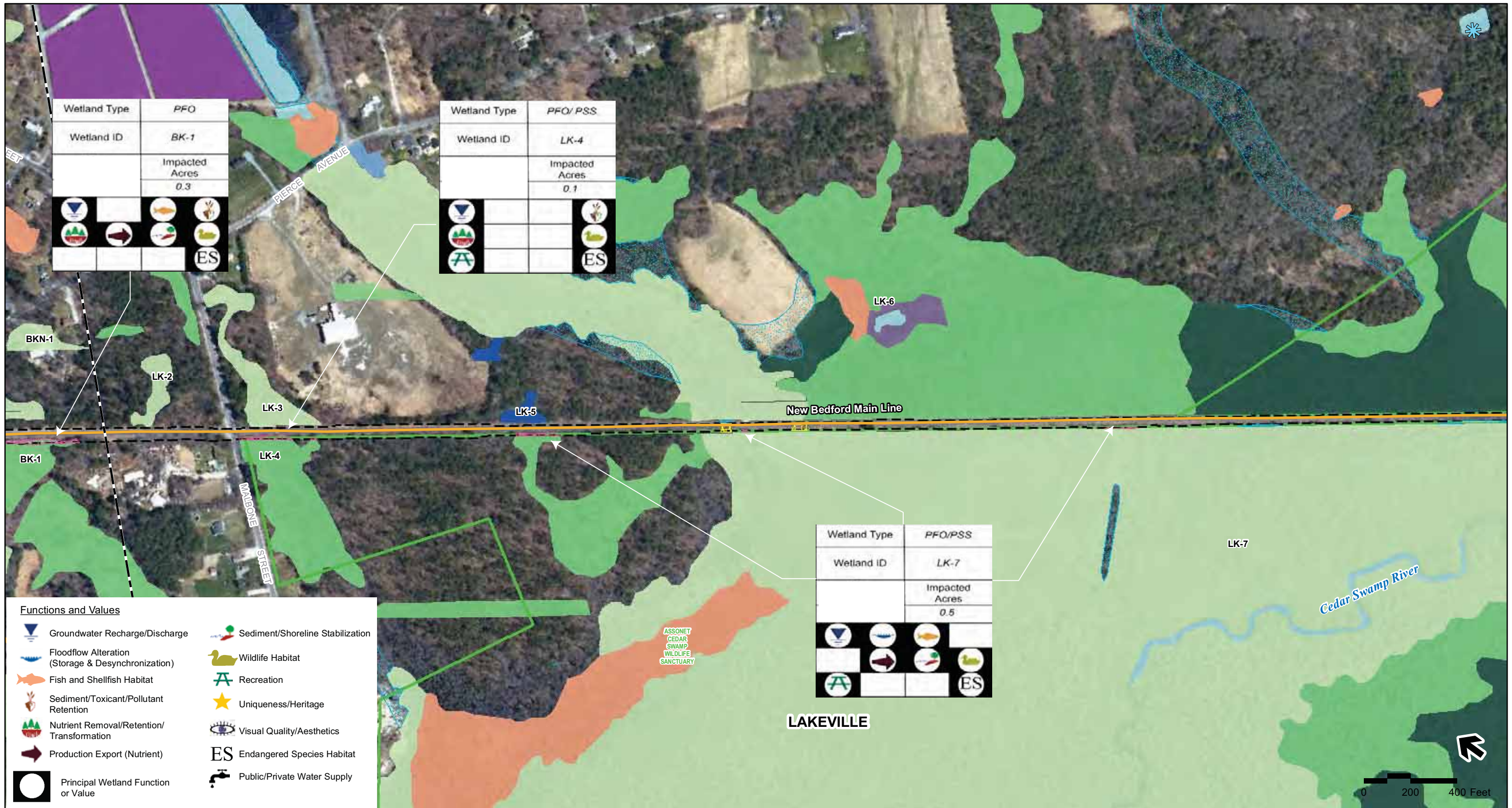


Figure 4.16-2e
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)

- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station/Layover Facility
- Traction Power Station*
- Impacted Wetlands
- Impacted BLSF

- NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

- BLSF - Bordering Land Subject to Flooding**
- 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

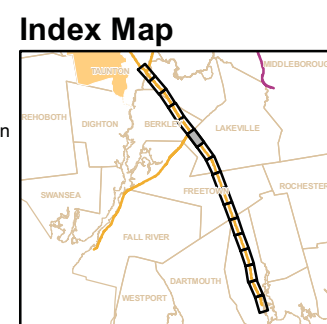
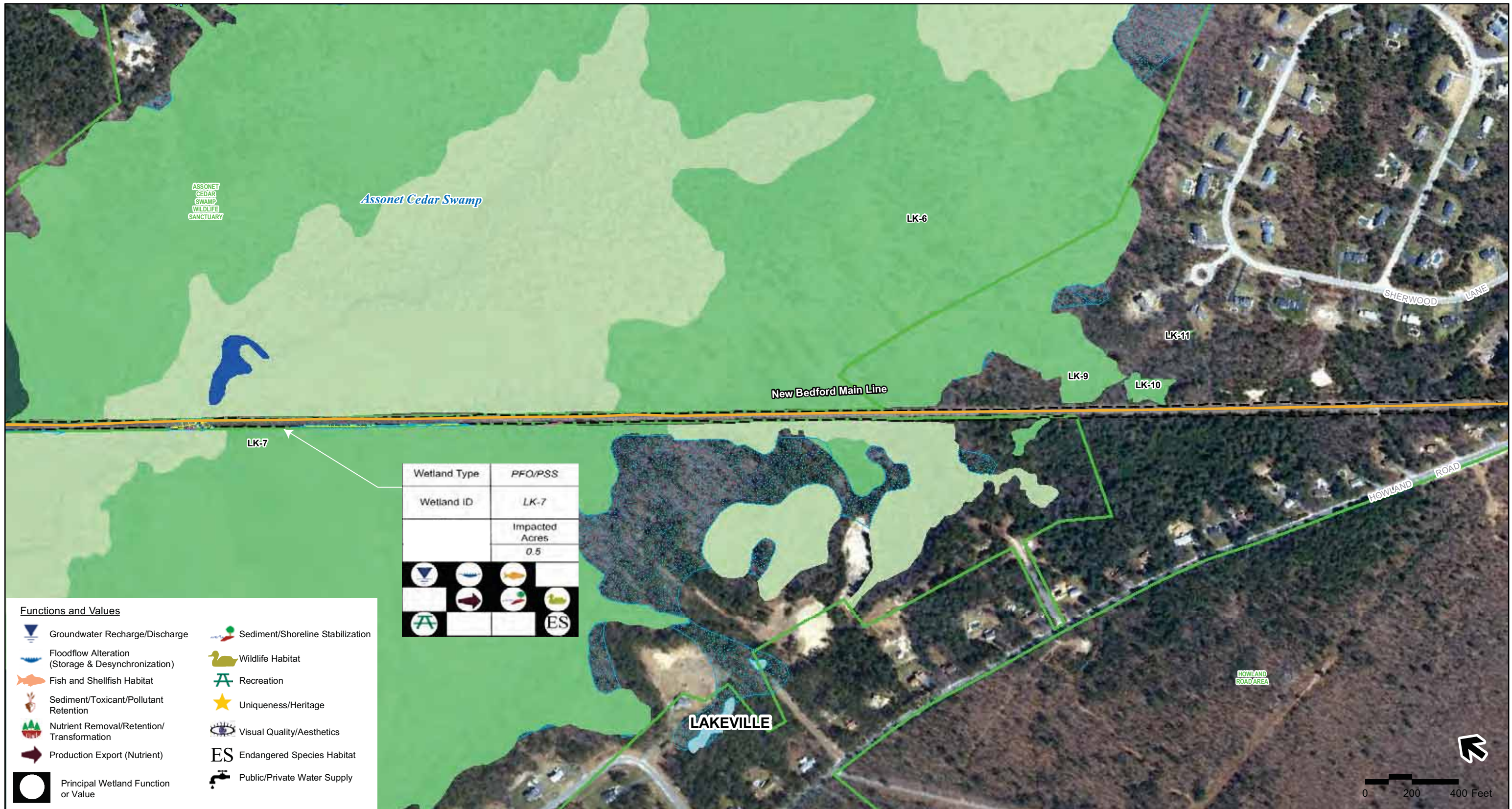


Figure 4.16-2f
 All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)

- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station/Layover Facility
- Traction Power Station*
- Impacted Wetlands
- Impacted BLSF

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

- BLSF - Bordering Land Subject to Flooding
- 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

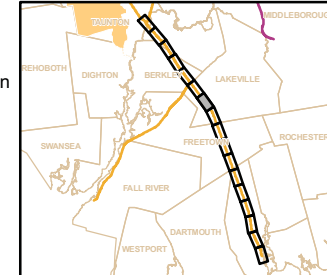
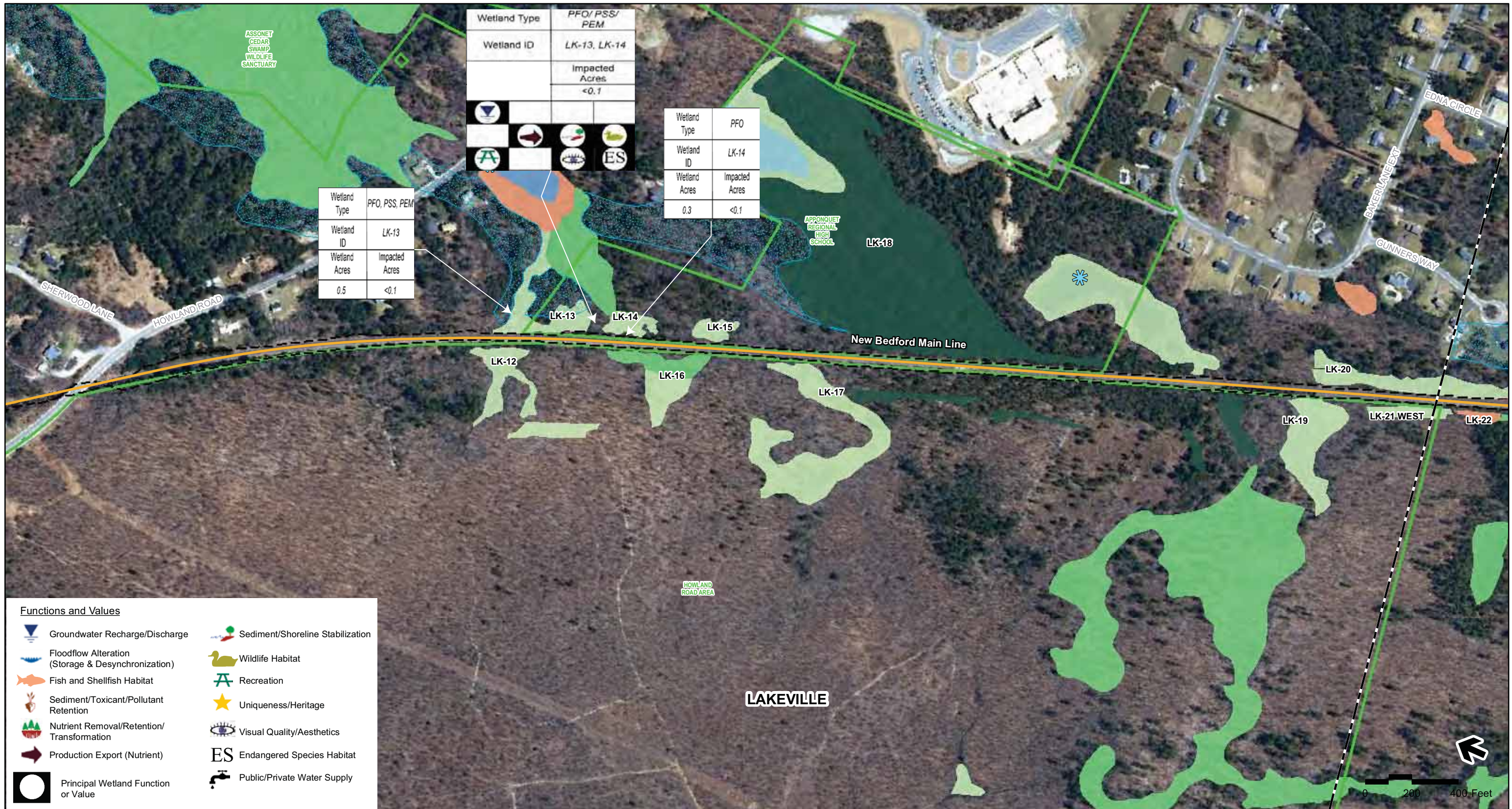


Figure 4.16-2g

All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



Functions and Values

- Groundwater Recharge/Discharge
- Floodflow Alteration (Storage & Desynchronization)
- Fish and Shellfish Habitat
- Sediment/Toxicant/Pollutant Retention
- Nutrient Removal/Retention/Transformation
- Production Export (Nutrient)
- Principal Wetland Function or Value
- Sediment/Shoreline Stabilization
- Wildlife Habitat
- Recreation
- Uniqueness/Heritage
- Visual Quality/Aesthetics
- ES Endangered Species Habitat
- Public/Private Water Supply

Legend

- Proposed Alternative Alignment
- MBTA Commuter Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Protected Open Space
- Area of Critical Environmental Concern (ACEC)
- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station/Layover Facility
- Traction Power Station*
- Impacted Wetlands
- Impacted BLSF
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- BLSF - Bordering Land Subject to Flooding
- 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

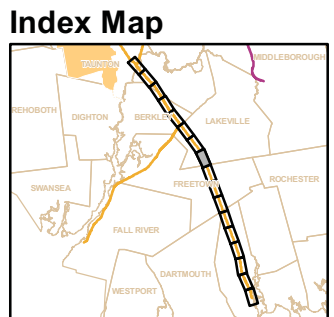
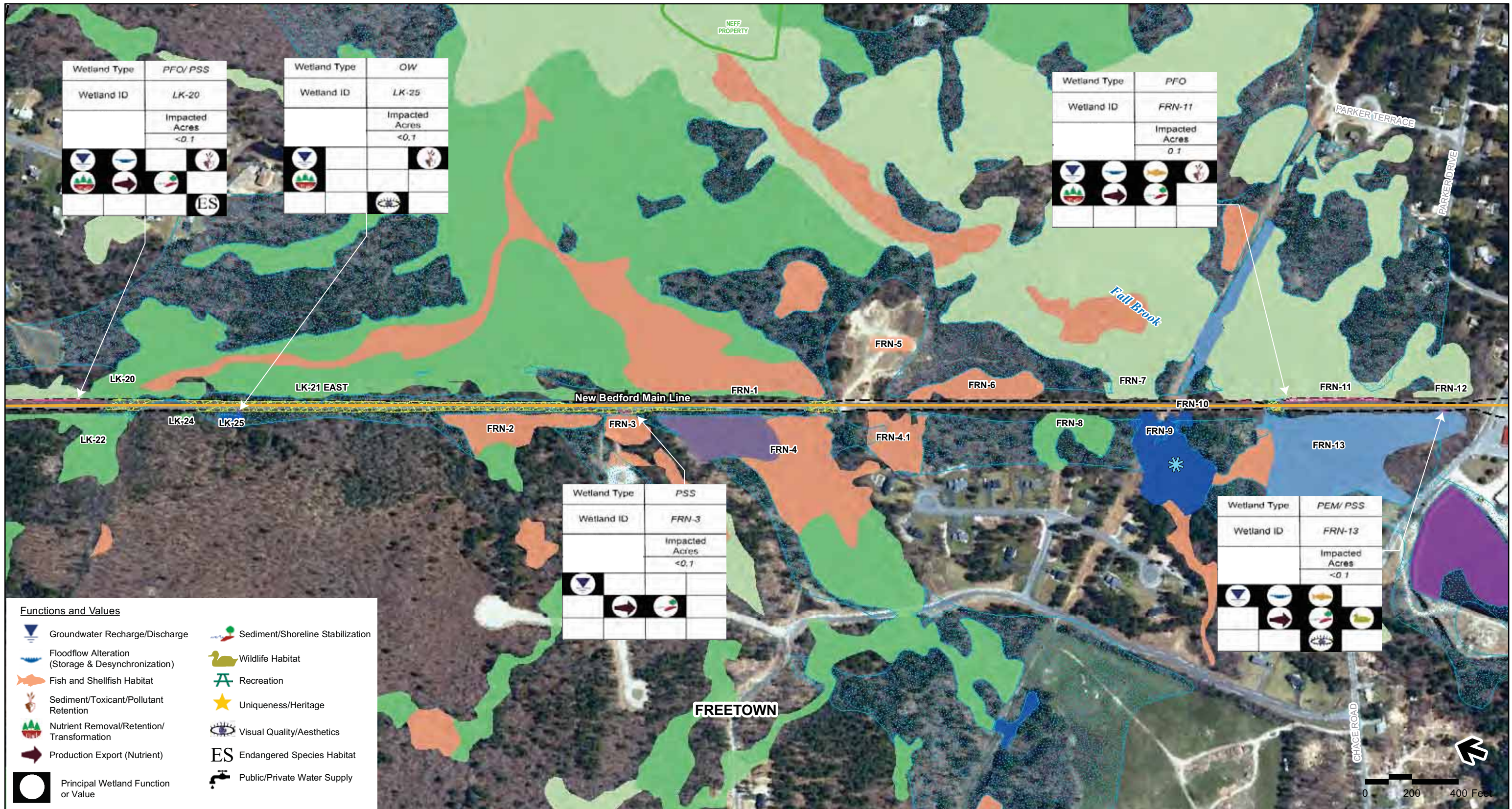


Figure 4.16-2h
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO/PSS
Wetland ID	LK-20
Impacted Acres	<0.1

Wetland Type	OW
Wetland ID	LK-25
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	FRN-11
Impacted Acres	0.1

Wetland Type	PSS
Wetland ID	FRN-3
Impacted Acres	<0.1

Wetland Type	PEM/PSS
Wetland ID	FRN-13
Impacted Acres	<0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station/Layover Facility
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools
	NHESP Potential Vernal Pools
	SCR Identified Vernal Pools (Field Verified)

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

	BLSF - Bordering Land Subject to Flooding		Salt Marsh
	Open Water		Shallow Marsh Meadow or Fen
	Bog		Shrub Swamp
	Cranberry Bog		Wooded Swamp Coniferous
	Other		Wooded Swamp Deciduous
	Deep Marsh		Wooded Swamp Mixed Trees

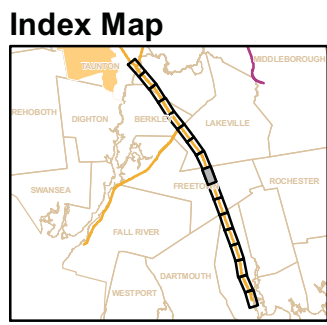
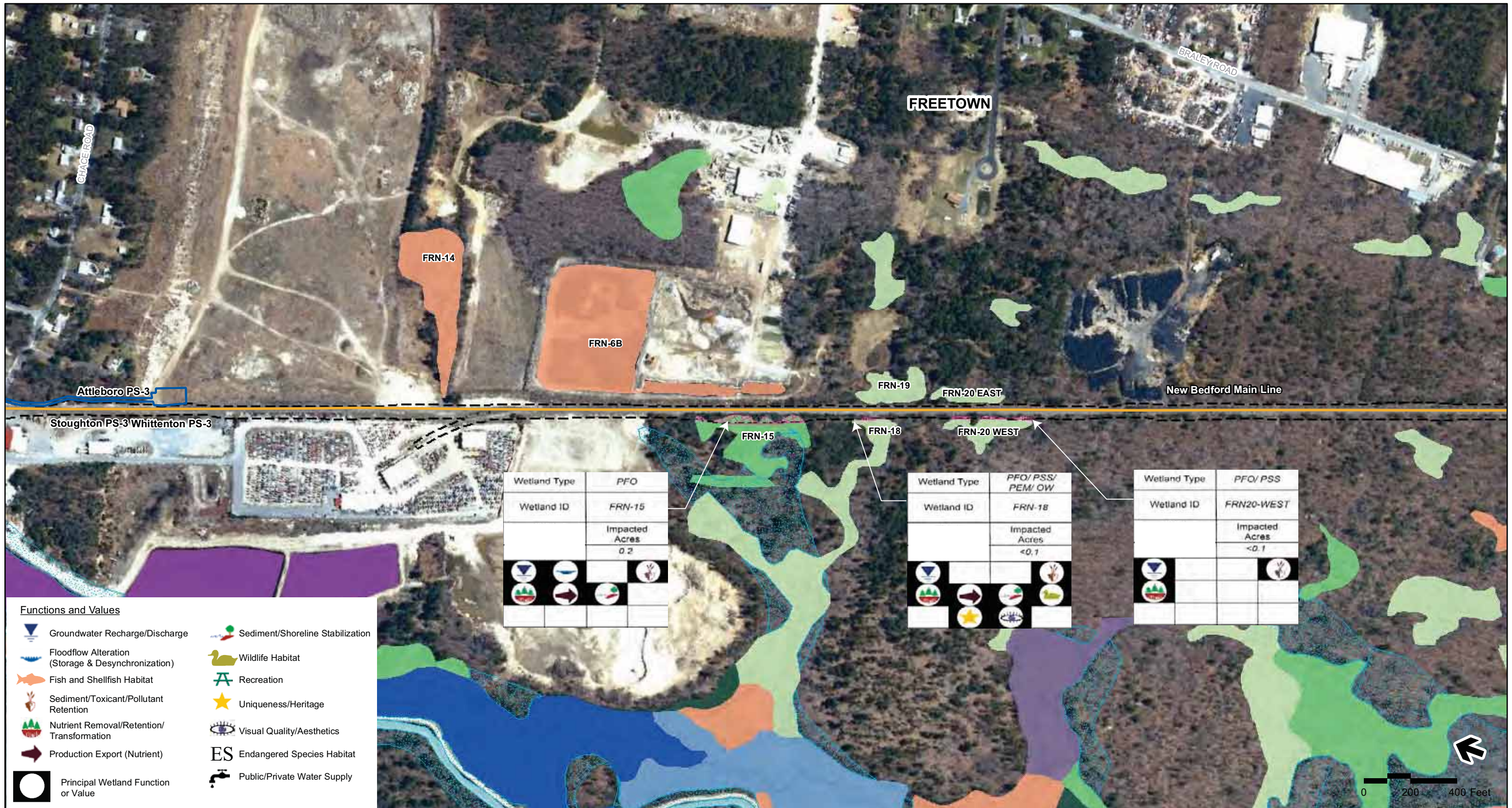


Figure 4.16-2i
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO
Wetland ID	FRN-15
Impacted Acres	0.2

Wetland Type	PFO/ PSS/ PEM/ OW
Wetland ID	FRN-18
Impacted Acres	<0.1

Wetland Type	PFO/ PSS
Wetland ID	FRN20-WEST
Impacted Acres	<0.1

- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station/ Laying Facility
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- BLSF - Bordering Land Subject to Flooding
- 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

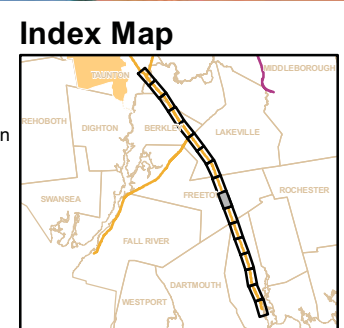


Figure 4.16-2j
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



- Functions and Values**
- Groundwater Recharge/Discharge
 - Floodflow Alteration (Storage & Desynchronization)
 - Fish and Shellfish Habitat
 - Sediment/Toxicant/Pollutant Retention
 - Nutrient Removal/Retention/Transformation
 - Production Export (Nutrient)
 - Principal Wetland Function or Value
 - Sediment/Shoreline Stabilization
 - Wildlife Habitat
 - Recreation
 - Uniqueness/Heritage
 - Visual Quality/Aesthetics
 - ES Endangered Species Habitat
 - Public/Private Water Supply

* Traction power stations are only required for electric rail alternative

- Legend**
- Proposed Alternative Alignment
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 - MBTA Commuter Rail
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 - Limit of Permanent Impact for Proposed Rail
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 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
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 - Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
 - BLSF - Bordering Land Subject to Flooding
 - 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

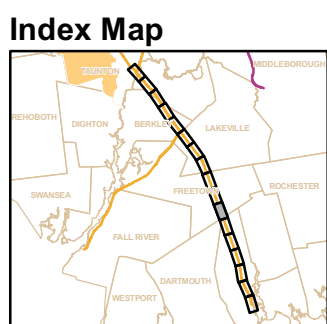


Figure 4.16-2k
All Rail Alternatives - New Bedford Main Line



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Public/Private Water Supply	
Principal Wetland Function or Value	

Wetland Type	PFO/PEM
Wetland ID	NB-6
	Impacted Acres
	0.1

Wetland Type	PFO
Wetland ID	NB-14
	Impacted Acres
	<0.1

- Legend**
- Proposed Alternative Alignment
 - Limit of Permanent Impact for Proposed Rail
 - NHESP Certified Vernal Pools
 - BLSF - Bordering Land Subject to Flooding
 - MBTA Commuter Rail Station
 - Limit of Work for Proposed Station/Layover Facility
 - NHESP Potential Vernal Pools
 - Open Water
 - Town Boundaries
 - Traction Power Station*
 - Bog
 - SCR Identified Vernal Pools (Field Verified)
 - Deep Marsh
 - Protected Open Space
 - Impacted Wetlands
 - Salt Marsh
 - Impacted BLSF
 - Area of Critical Environmental Concern (ACEC)
 - Shallow Marsh Meadow or Fen
 - Wooded Swamp Coniferous
 - Wooded Swamp Deciduous
 - Wooded Swamp Mixed Trees

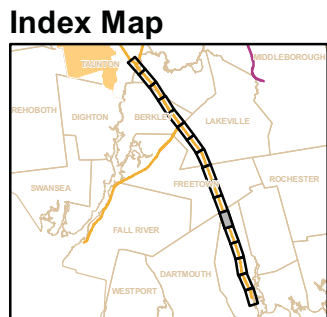


Figure 4.16-21
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



Wetland Type	PEM
Wetland ID	NB-19
Impacted Acres	<0.1
ES	

Wetland Type	PFO
Wetland ID	NB-20
Impacted Acres	<0.1
ES	

Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	ES Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail	NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding	Salt Marsh
MBTA Commuter Rail Station	Limit of Work for Proposed Station/Layover Facility	NHESP Potential Vernal Pools	Open Water	Shallow Marsh Meadow or Fen
Town Boundaries	Traction Power Station*	SCR Identified Vernal Pools (Field Verified)	Bog	Shrub Swamp
MBTA Commuter Rail	Impacted Wetlands	<small>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</small>	Cranberry Bog	Wooded Swamp Coniferous
Protected Open Space	Impacted BLSF		Other	Wooded Swamp Deciduous
Area of Critical Environmental Concern (ACEC)			Deep Marsh	Wooded Swamp Mixed Trees

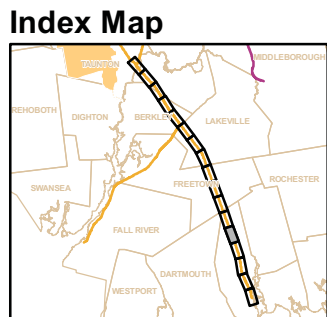
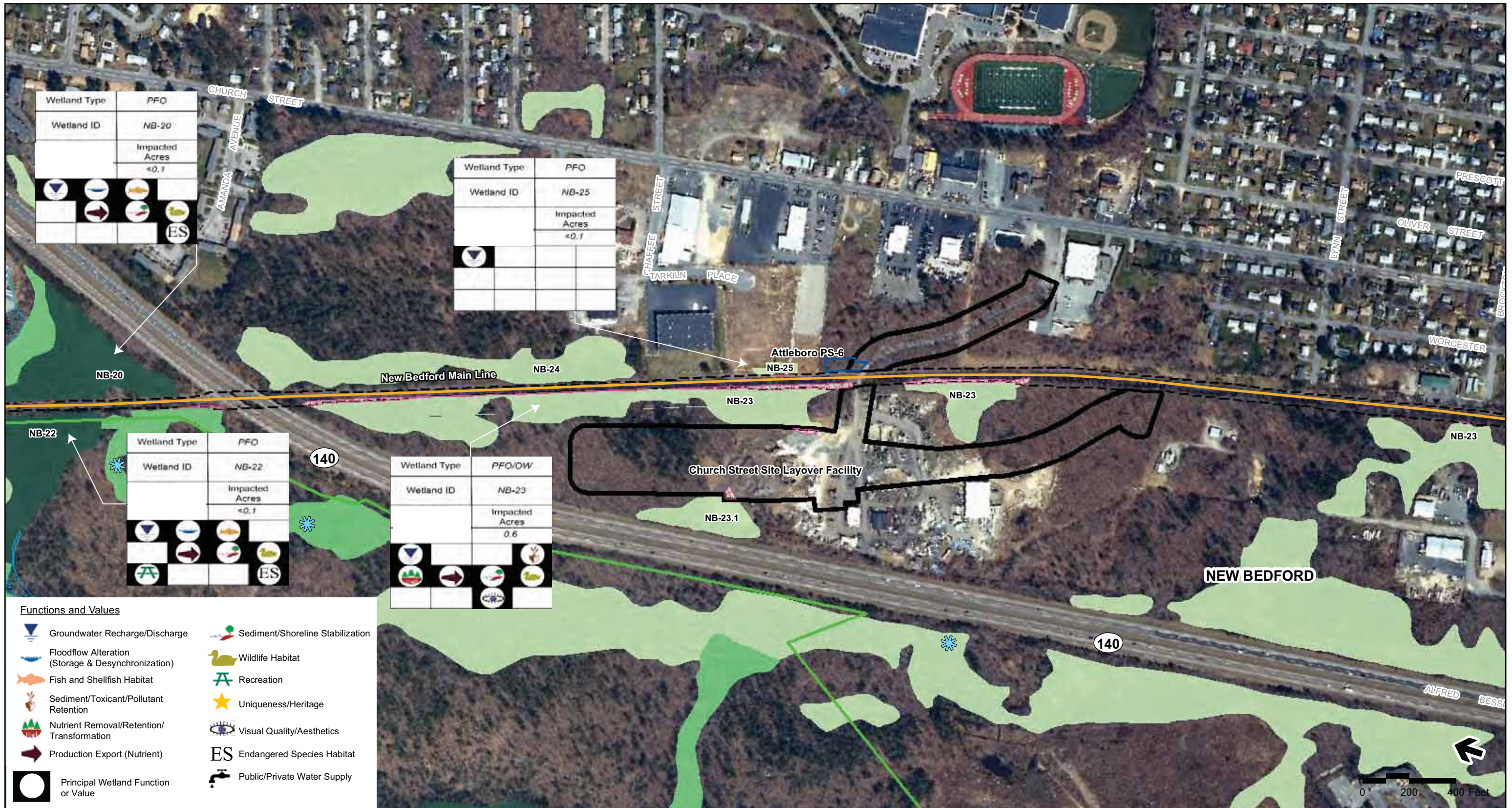


Figure 4.16-2m
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO
Wetland ID	NB-20
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	NB-25
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	NB-22
Impacted Acres	<0.1

Wetland Type	PFO/OW
Wetland ID	NB-23
Impacted Acres	0.6

- Functions and Values**
- Groundwater Recharge/Discharge
 - Floodflow Alteration (Storage & Desynchronization)
 - Fish and Shellfish Habitat
 - Sediment/Toxicant/Pollutant Retention
 - Nutrient Removal/Retention/Transformation
 - Production Export (Nutrient)
 - Principal Wetland Function or Value
 - Sediment/Shoreline Stabilization
 - Wildlife Habitat
 - Recreation
 - Uniqueness/Heritage
 - Visual Quality/Aesthetics
 - Endangered Species Habitat
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- Legend**
- Proposed Alternative Alignment
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 - Wooded Swamp Coniferous
 - Wooded Swamp Deciduous
 - Wooded Swamp Mixed Trees

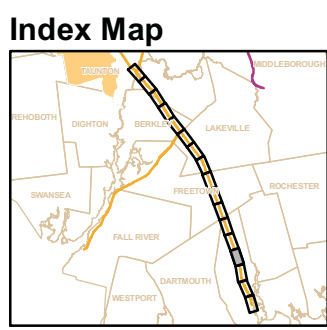


Figure 4.16-2n
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative

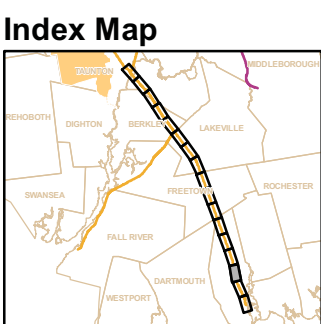
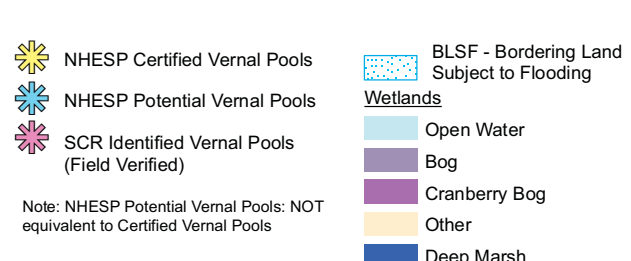
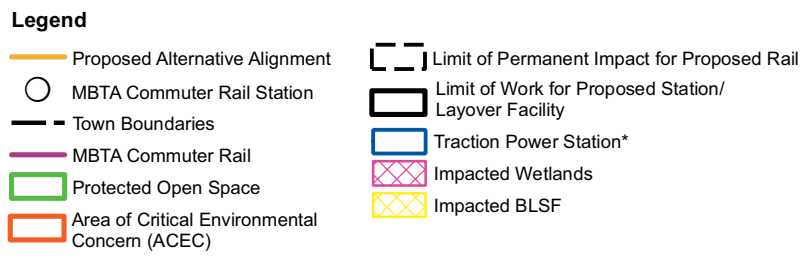


Figure 4.16-2o
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative



Index Map

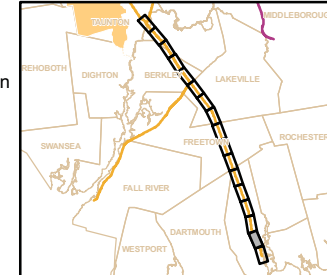


Figure 4.16-2p
All Rail Alternatives -
New Bedford Main Line

* Traction power stations are only required for electric rail alternative



Functions and Values	
	Groundwater Recharge/Discharge
	Floodflow Alteration (Storage & Desynchronization)
	Fish and Shellfish Habitat
	Sediment/Toxicant/Pollutant Retention
	Nutrient Removal/Retention/Transformation
	Production Export (Nutrient)
	Principal Wetland Function or Value
	Sediment/Shoreline Stabilization
	Wildlife Habitat
	Recreation
	Uniqueness/Heritage
	Visual Quality/Aesthetics
	ES Endangered Species Habitat
	Public/Private Water Supply

Legend	
	Proposed Alternative Alignment
	MBTA Commuter Rail Station
	Town Boundaries
	MBTA Commuter Rail
	Protected Open Space
	Area of Critical Environmental Concern (ACEC)
	Limit of Permanent Impact for Proposed Rail
	Limit of Work for Proposed Station/Layover Facility
	Traction Power Station*
	Impacted Wetlands
	Impacted BLSF

	NHESP Certified Vernal Pools
	NHESP Potential Vernal Pools
	SCR Identified Vernal Pools (Field Verified)
Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools	
	LSCSF - Land Subject to Coastal Storm Flowage
	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

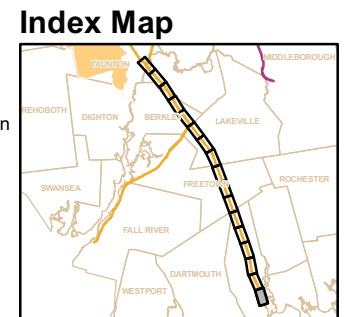
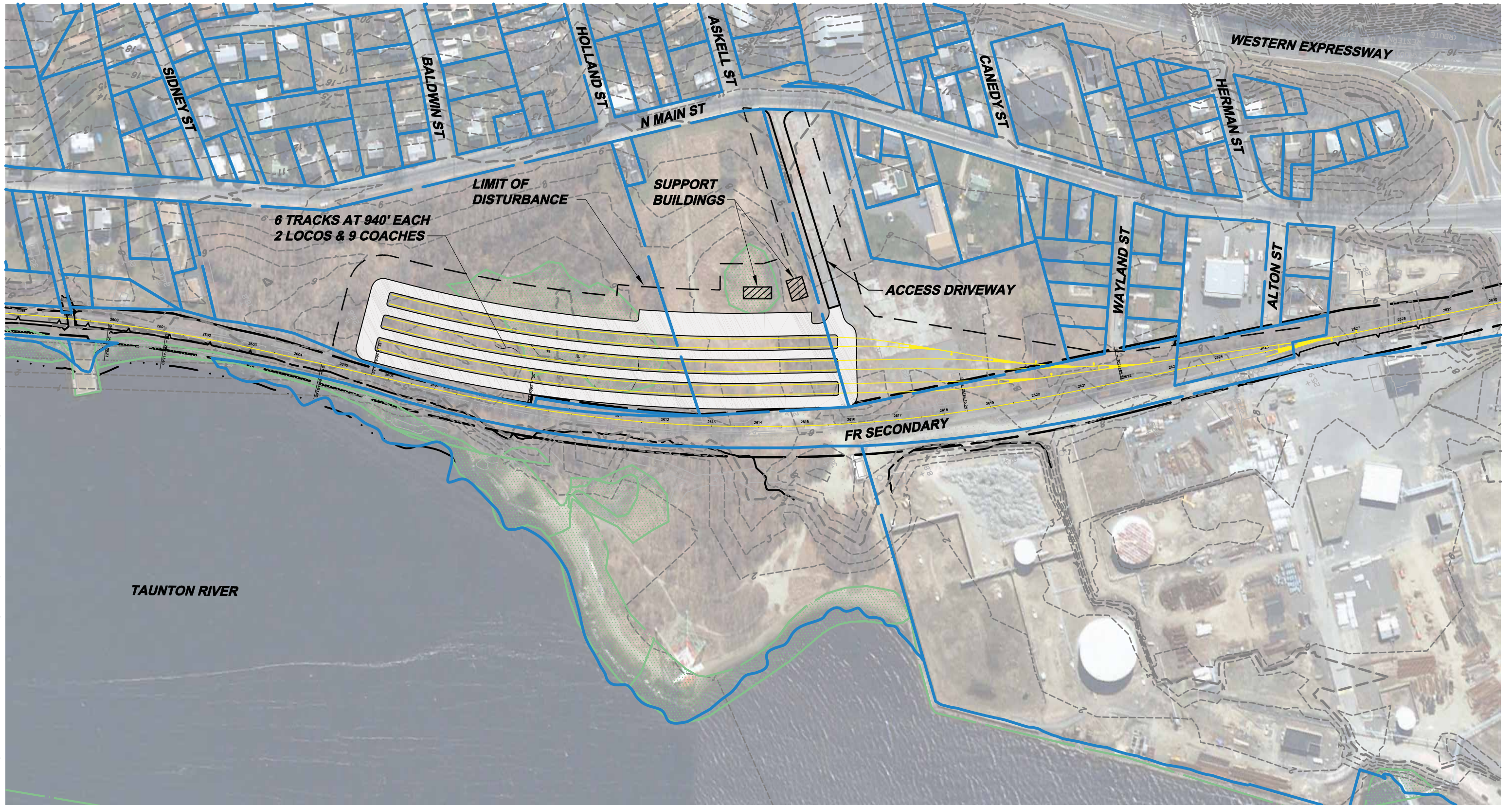














Figure 4.16-2q
All Rail Alternatives - New Bedford Main Line

* Traction power stations are only required for electric rail alternative

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- Legend**
- | | |
|---|--|
|  ACEC |  Public Water |
|  Open Space |  Vernal Pool |
|  Rare Species Estimated Habitat |  Zone 1 (Water Supply Protection Area) |
|  Rare Species Priority Habitat |  Property Line |
|  Wetland |  Pavement |
|  Zone A (400' Buffer of Public Water Supplies) | |
|  Track | |

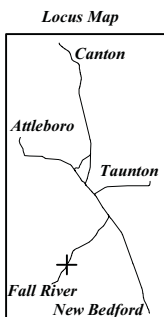
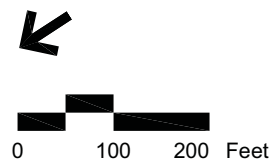
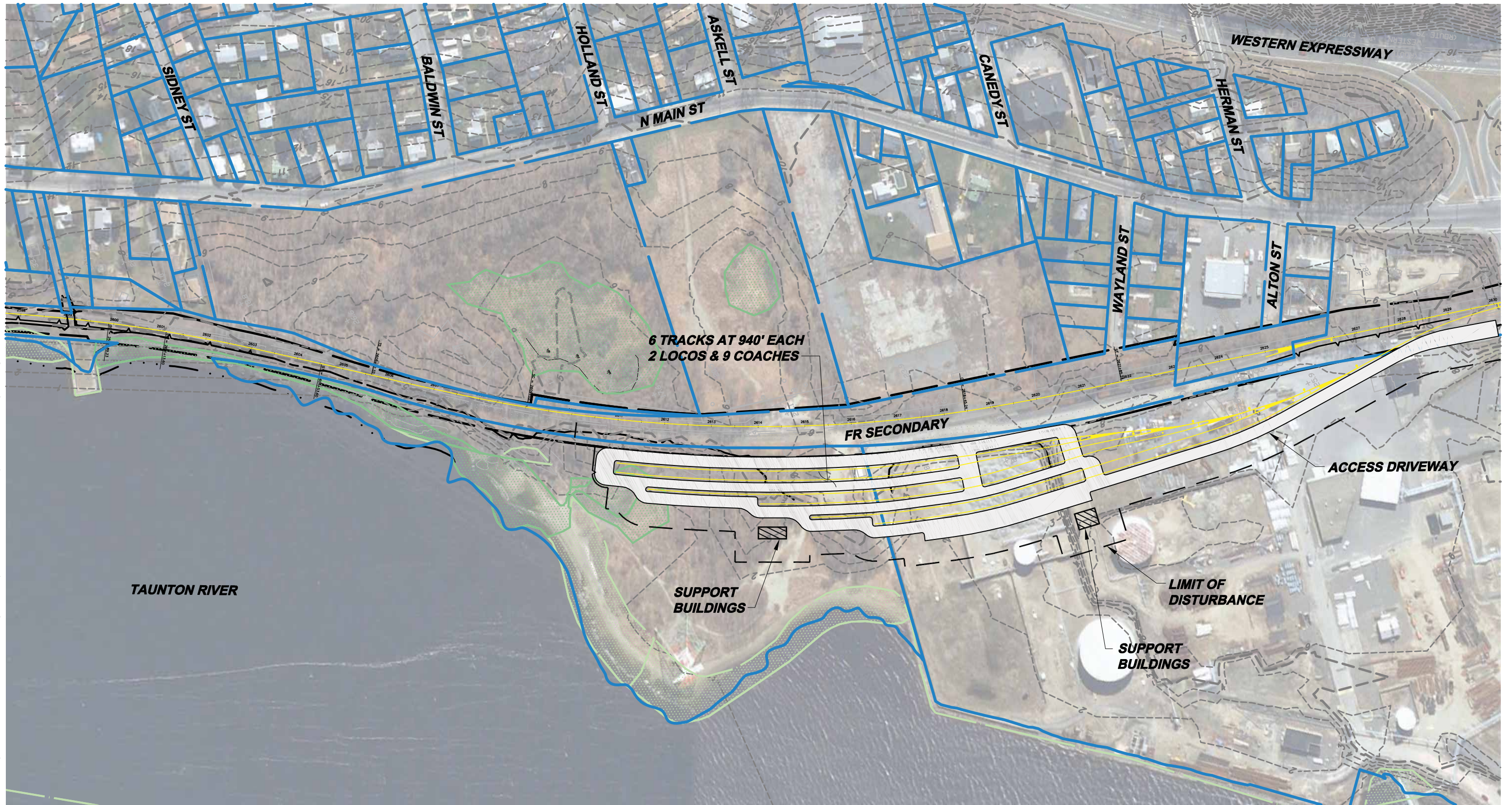


Figure 4.16-30
 Conceptual Layout of Weaver's Cove East Site Layover Facility

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- Legend**
- | | | | |
|--|---|--|---------------------------------------|
| | ACEC | | Public Water |
| | Open Space | | Vernal Pool |
| | Rare Species Estimated Habitat | | Zone 1 (Water Supply Protection Area) |
| | Rare Species Priority Habitat | | Property Line |
| | Wetland | | Pavement |
| | Zone A (400' Buffer of Public Water Supplies) | | Track |

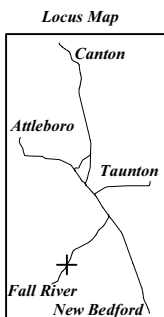
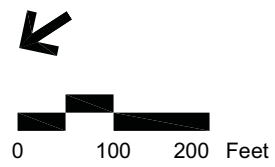
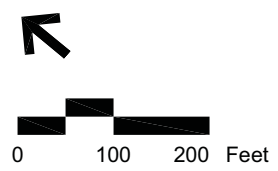
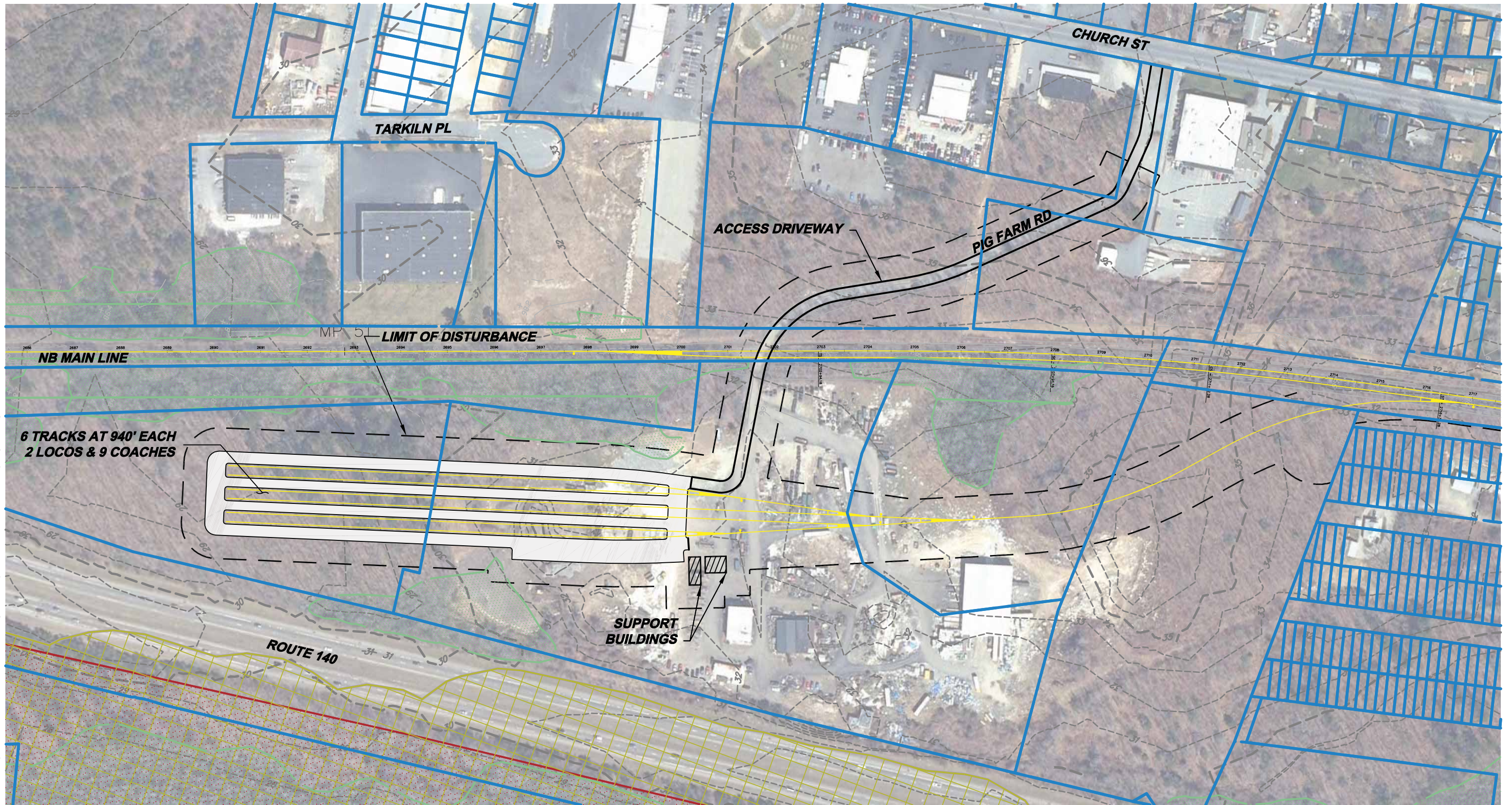


Figure 4.16-31
Conceptual Layout of Weaver's Cove West Site Layover Facility

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- Legend**
- ACEC
 - Open Space
 - Rare Species Estimated Habitat
 - Rare Species Priority Habitat
 - Wetland
 - Zone A (400' Buffer of Public Water Supplies)
 - Track
 - Public Water
 - Vernal Pool
 - Zone 1 (Water Supply Protection Area)
 - Property Line
 - Pavement

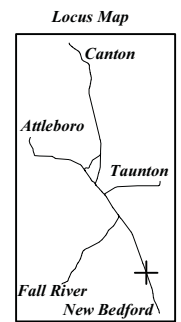
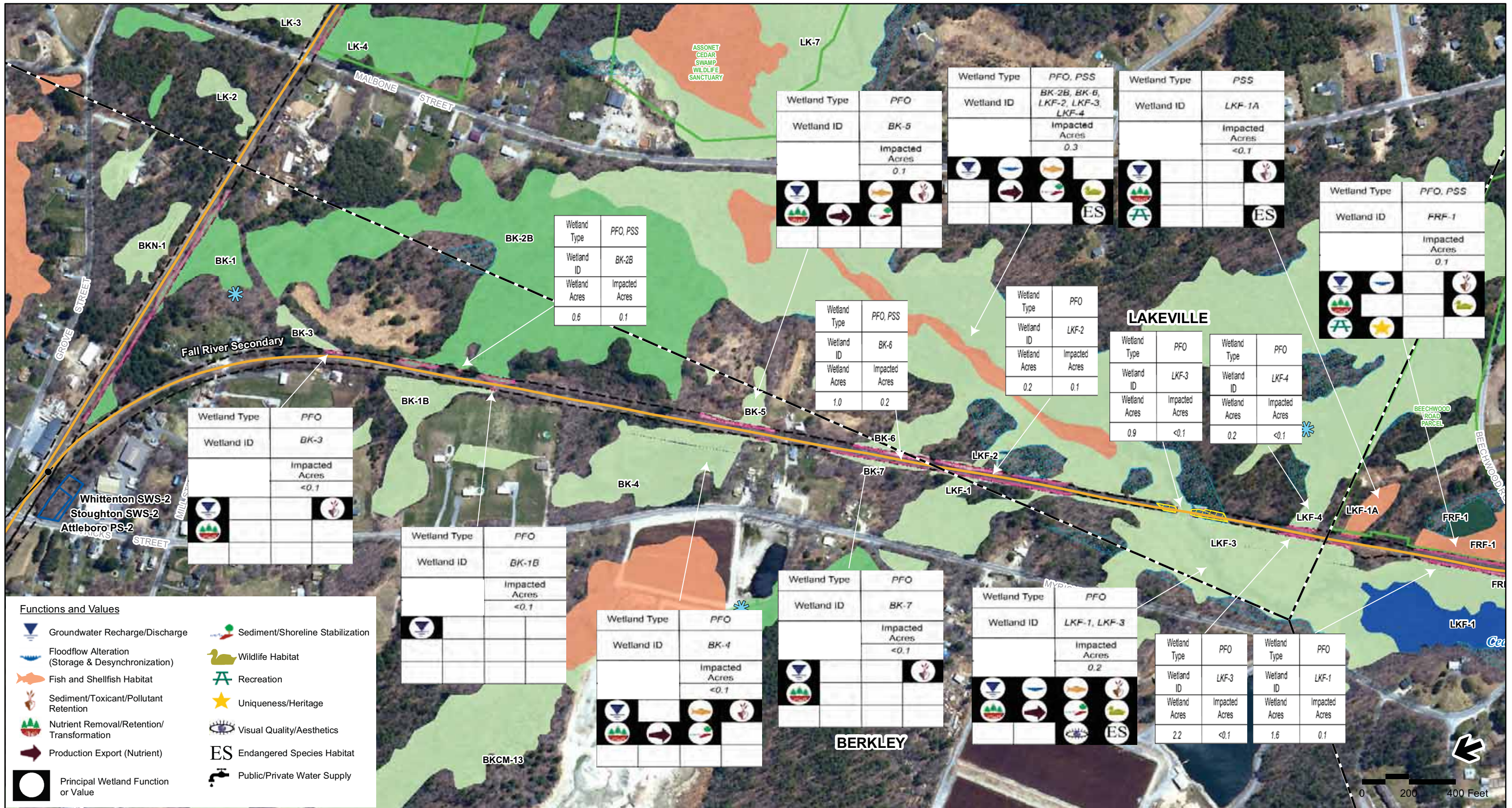


Figure 4.16-32
Conceptual Layout of Church Street Site Layover Facility



Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station/Layover Facility
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools	Wetlands	
	SCR Identified Vernal Pools (Field Verified)		Open Water
	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools		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

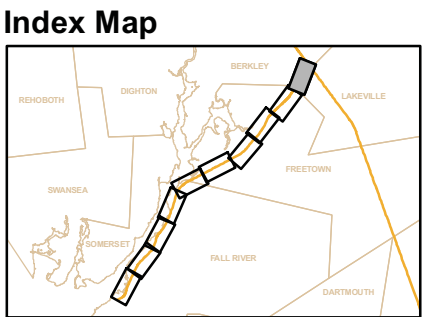
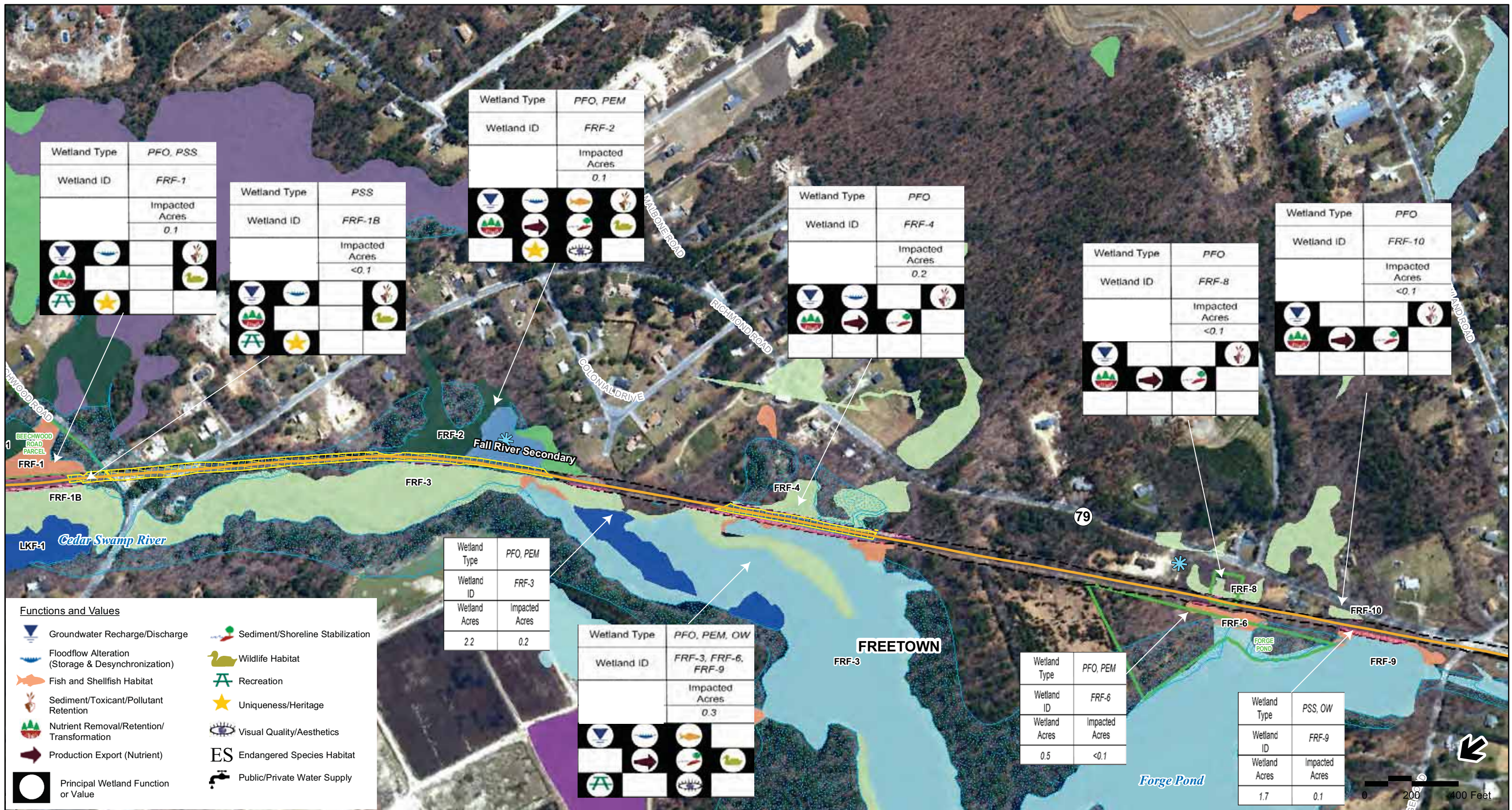


Figure 4.16-3a
All Rail Alternatives - Fall River Secondary

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO, PSS
Wetland ID	FRF-1
Impacted Acres	0.1

Wetland Type	PSS
Wetland ID	FRF-1B
Impacted Acres	<0.1

Wetland Type	PFO, PEM
Wetland ID	FRF-2
Impacted Acres	0.1

Wetland Type	PFO
Wetland ID	FRF-4
Impacted Acres	0.2

Wetland Type	PFO
Wetland ID	FRF-8
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	FRF-10
Impacted Acres	<0.1

Wetland Type	PFO, PEM
Wetland ID	FRF-3
Wetland Acres	2.2
Impacted Acres	0.2

Wetland Type	PFO, PEM, OW
Wetland ID	FRF-3, FRF-6, FRF-9
Impacted Acres	0.3

Wetland Type	PFO, PEM
Wetland ID	FRF-6
Wetland Acres	0.5
Impacted Acres	<0.1

Wetland Type	PSS, OW
Wetland ID	FRF-9
Wetland Acres	1.7
Impacted Acres	0.1

Functions and Values

- Groundwater Recharge/Discharge
- Floodflow Alteration (Storage & Desynchronization)
- Fish and Shellfish Habitat
- Sediment/Toxicant/Pollutant Retention
- Nutrient Removal/Retention/Transformation
- Production Export (Nutrient)
- Principal Wetland Function or Value
- Sediment/Shoreline Stabilization
- Wildlife Habitat
- Recreation
- Uniqueness/Heritage
- Visual Quality/Aesthetics
- ES Endangered Species Habitat
- Public/Private Water Supply

Legend

- Proposed Alternative Alignment
- MBTA Commuter Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Protected Open Space
- Area of Critical Environmental Concern (ACEC)
- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station/Layover Facility
- Traction Power Station*
- Impacted Wetlands
- Impacted BLSF

Wetlands

- Open Water
- Bog
- Cranberry Bog
- Other
- Deep Marsh
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- BLSF - Bordering Land Subject to Flooding

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

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

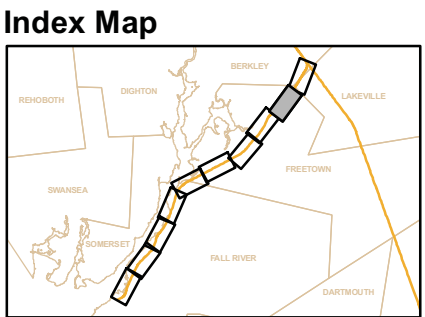


Figure 4.16-3b
All Rail Alternatives - Fall River Secondary

* Traction power stations are only required for electric rail alternative



Wetland Type	PEM
Wetland ID	FRF-10.3
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	FRF-10.2
Impacted Acres	<0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail		NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding		Salt Marsh
	MBTA Commuter Rail Station		Limit of Work for Proposed Station/Layover Facility		NHESP Potential Vernal Pools		Open Water		Shallow Marsh Meadow or Fen
	Town Boundaries		Traction Power Station*		SCR Identified Vernal Pools (Field Verified)		Bog		Shrub Swamp
	MBTA Commuter Rail		Impacted Wetlands	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools			Cranberry Bog		Wooded Swamp Coniferous
	Protected Open Space		Impacted BLSF		Other		Wooded Swamp Deciduous		Wooded Swamp Mixed Trees
	Area of Critical Environmental Concern (ACEC)				Deep Marsh				

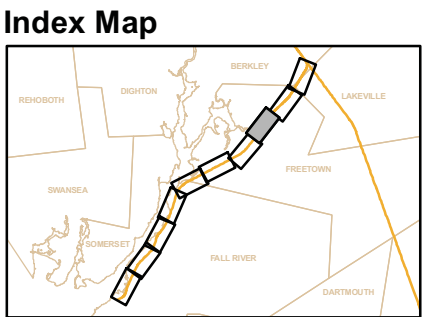


Figure 4.16-3c
All Rail Alternatives - Fall River Secondary

* Traction power stations are only required for electric rail alternative

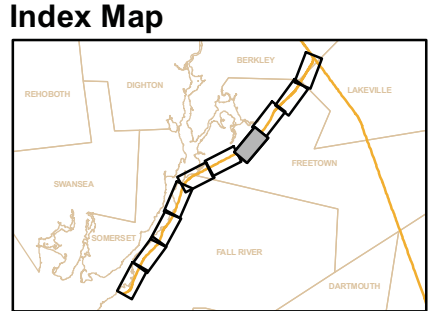
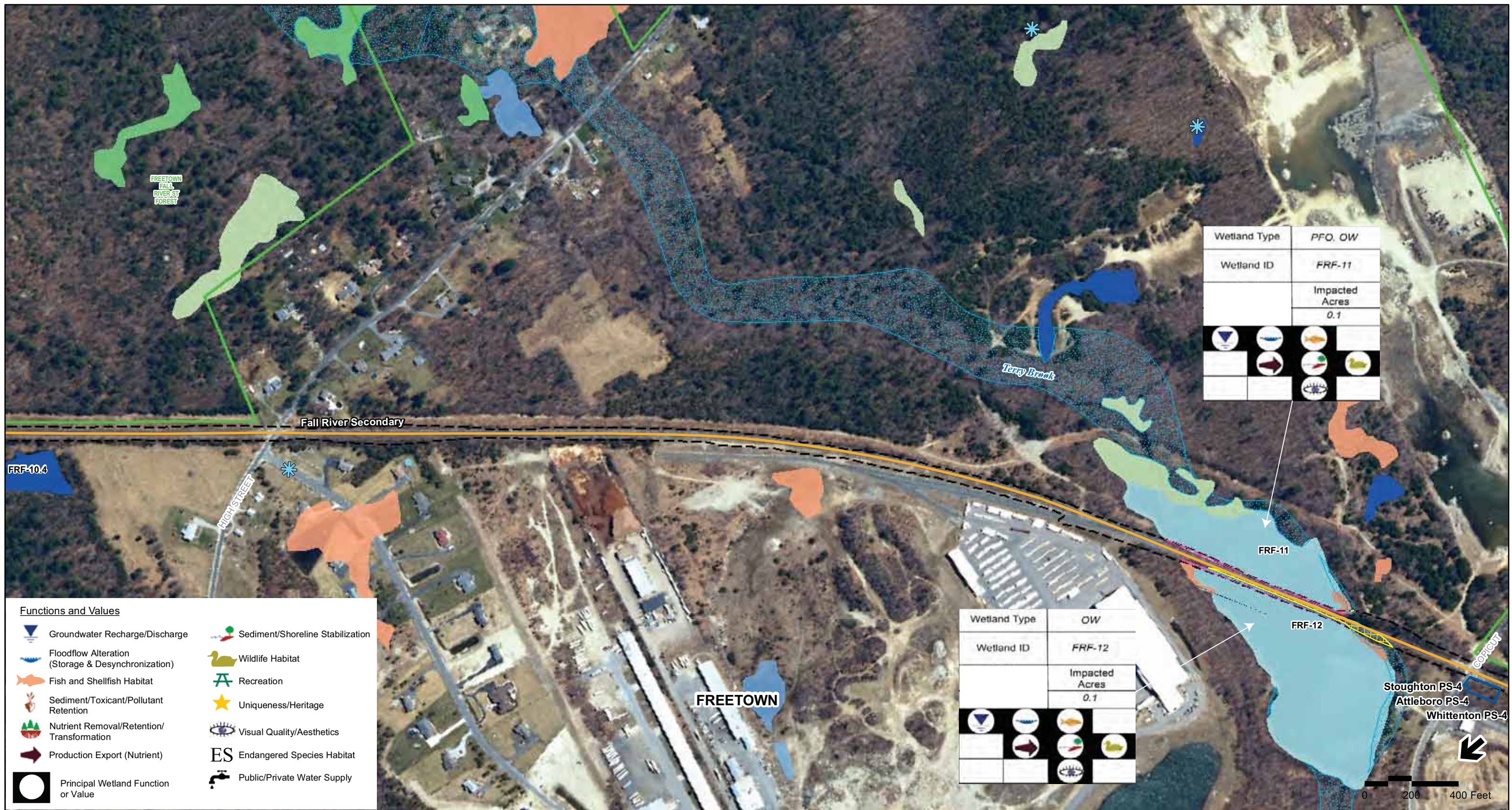
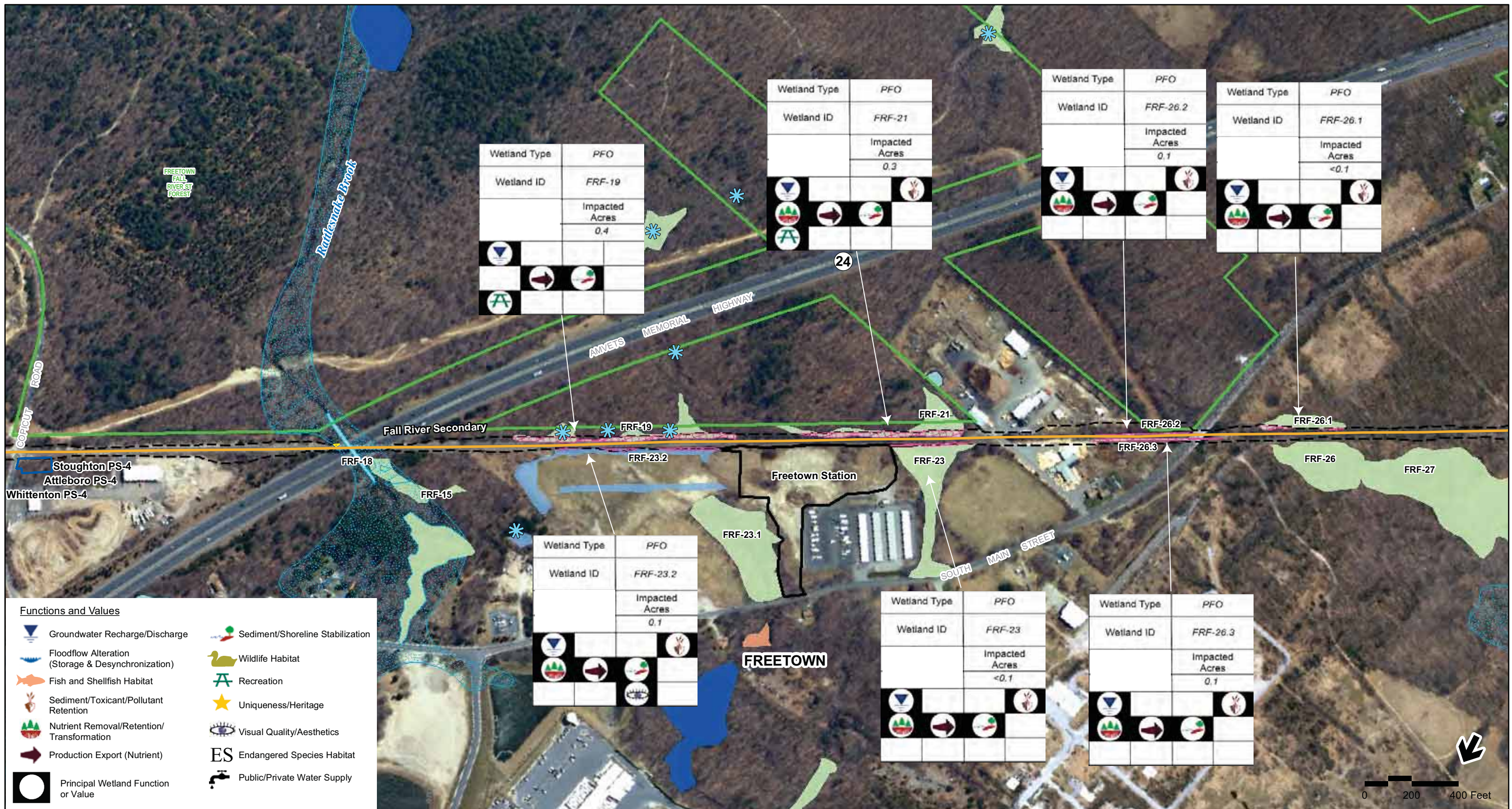


Figure 4.16-3d
All Rail Alternatives - Fall River Secondary

* Traction power stations are only required for electric rail alternative



- Functions and Values**
- Groundwater Recharge/Discharge
 - Floodflow Alteration (Storage & Desynchronization)
 - Fish and Shellfish Habitat
 - Sediment/Toxicant/Pollutant Retention
 - Nutrient Removal/Retention/Transformation
 - Production Export (Nutrient)
 - Principal Wetland Function or Value
 - Sediment/Shoreline Stabilization
 - Wildlife Habitat
 - Recreation
 - Uniqueness/Heritage
 - Visual Quality/Aesthetics
 - ES Endangered Species Habitat
 - Public/Private Water Supply

- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station/Layover Facility
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- BLSF - Bordering Land Subject to Flooding
- 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

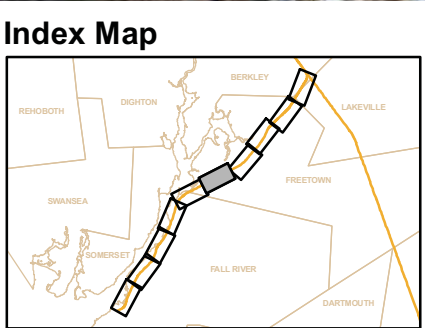


Figure 4.16-3e
All Rail Alternatives - Fall River Secondary

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO
Wetland ID	FRF-29
Impacted Acres	0.1

Functions and Values

- Groundwater Recharge/Discharge
- Floodflow Alteration (Storage & Desynchronization)
- Fish and Shellfish Habitat
- Sediment/Toxicant/Pollutant Retention
- Nutrient Removal/Retention/Transformation
- Production Export (Nutrient)
- Principal Wetland Function or Value
- Sediment/Shoreline Stabilization
- Wildlife Habitat
- Recreation
- Uniqueness/Heritage
- Visual Quality/Aesthetics
- ES Endangered Species Habitat
- Public/Private Water Supply

Legend

- Proposed Alternative Alignment
- MBTA Commuter Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Protected Open Space
- Area of Critical Environmental Concern (ACEC)
- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station/Layover Facility
- Traction Power Station*
- Impacted Wetlands
- Impacted BLSF
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- LSCSF - Land Subject to Coastal Storm Flowage
- Wetlands: Open Water, Bog, Cranberry Bog, Other, Deep Marsh
- Salt Marsh, Shrub Swamp, Wooded Swamp Coniferous, Wooded Swamp Deciduous, Wooded Swamp Mixed Trees

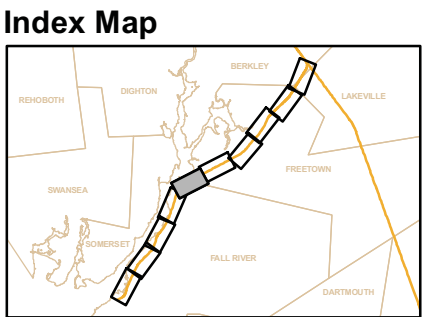


Figure 4.16-3f
All Rail Alternatives - Fall River Secondary

* Traction power stations are only required for electric rail alternative



- Functions and Values**
- Groundwater Recharge/Discharge
 - Floodflow Alteration (Storage & Desynchronization)
 - Fish and Shellfish Habitat
 - Sediment/Toxicant/Pollutant Retention
 - Nutrient Removal/Retention/Transformation
 - Production Export (Nutrient)
 - Principal Wetland Function or Value
 - Sediment/Shoreline Stabilization
 - Wildlife Habitat
 - Recreation
 - Uniqueness/Heritage
 - Visual Quality/Aesthetics
 - Endangered Species Habitat
 - Public/Private Water Supply

* Traction power stations are only required for electric rail alternative

- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station/Layover Facility
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
 - LSCSF - Land Subject to Coastal Storm Flowage
 - 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

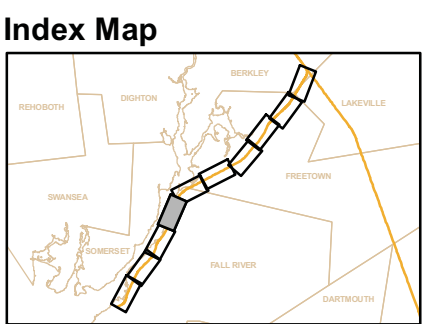


Figure 4.16-3g
All Rail Alternatives - Fall River Secondary



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail	NHESP Certified Vernal Pools	LSCSF - Land Subject to Coastal Storm Flowage
MBTA Commuter Rail Station	Limit of Work for Proposed Station/Layover Facility	NHESP Potential Vernal Pools	Wetlands
Town Boundaries	Traction Power Station*	SCR Identified Vernal Pools (Field Verified)	Open Water
MBTA Commuter Rail	Impacted Wetlands	<small>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</small>	Bog
Protected Open Space	Impacted BLSF		Cranberry Bog
Area of Critical Environmental Concern (ACEC)			Other
			Deep Marsh
			Salt Marsh
			Shallow Marsh Meadow or Fen
			Shrub Swamp
			Wooded Swamp Coniferous
			Wooded Swamp Deciduous
			Wooded Swamp Mixed Trees

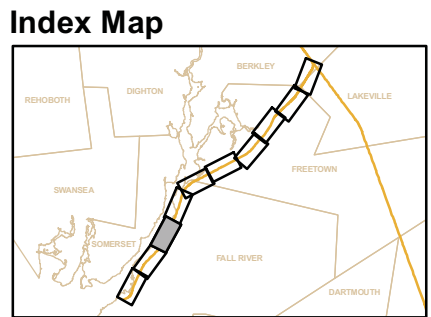


Figure 4.16-3h
All Rail Alternatives - Fall River Secondary

* Traction power stations are only required for electric rail alternative





Wetland Type	PSS
Wetland ID	FA-7.1B
Impacted Acres	0.3

Wetland Type	OW
Wetland ID	FA-7.2B
Impacted Acres	<0.1

Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail	NHESP Certified Vernal Pools	LSCSF - Land Subject to Coastal Storm Flowage
MBTA Commuter Rail Station	Limit of Work for Proposed Station/Layover Facility	NHESP Potential Vernal Pools	Wetlands
Town Boundaries	Traction Power Station*	SCR Identified Vernal Pools (Field Verified)	Open Water
MBTA Commuter Rail	Impacted Wetlands	<small>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</small>	Bog
Protected Open Space	Impacted BLSF		Cranberry Bog
Area of Critical Environmental Concern (ACEC)			Other
			Deep Marsh
			Salt Marsh
			Shrub Swamp
			Wooded Swamp Coniferous
			Wooded Swamp Deciduous
			Wooded Swamp Mixed Trees

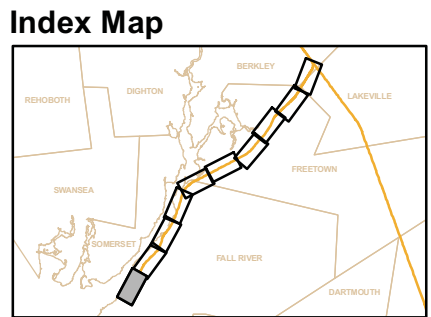


Figure 4.16-3j
All Rail Alternatives - Fall River Secondary

* Traction power stations are only required for electric rail alternative

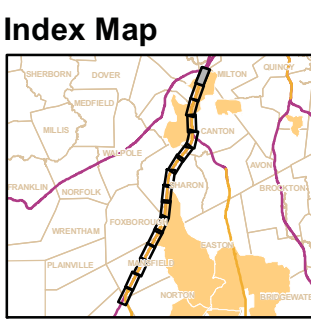
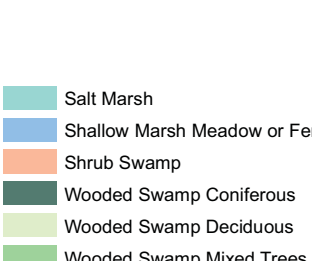
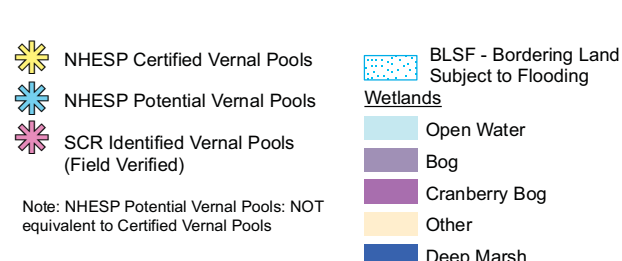
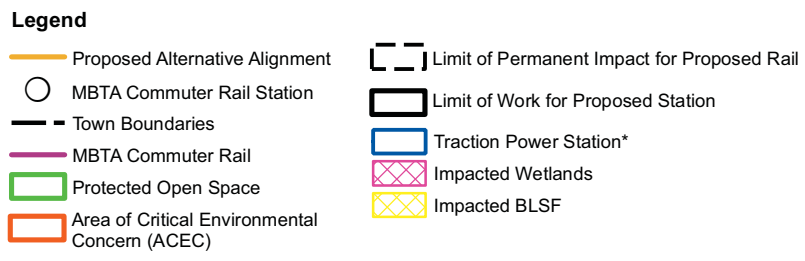
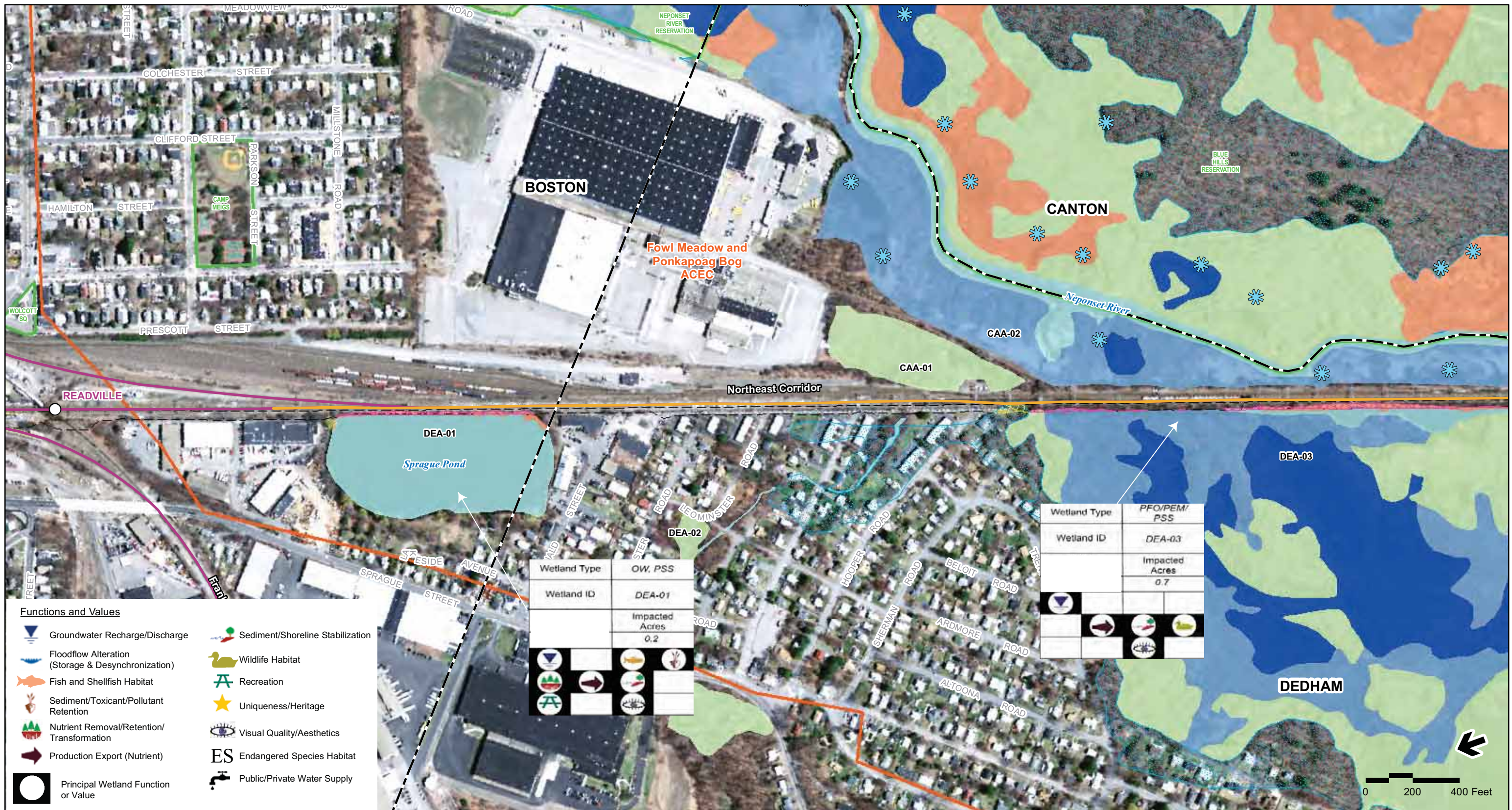
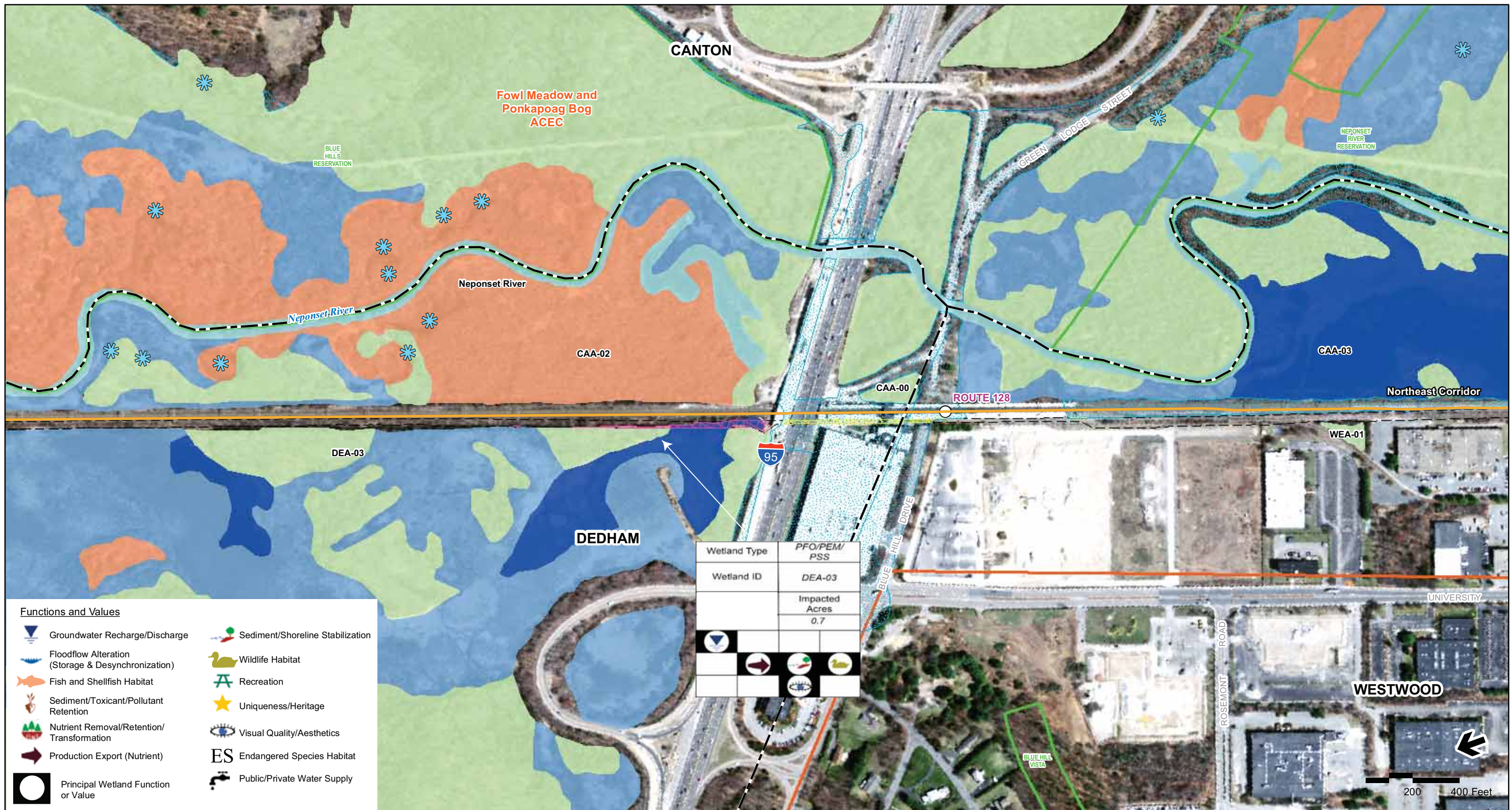


Figure 4.16-4a
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Wetland Type	PFO/PEM/PSS
Wetland ID	DEA-03
Impacted Acres	0.7

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Open Water
SCR Identified Vernal Pools (Field Verified)	Bog
Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools	Cranberry Bog
	Other
	Deep Marsh
	Salt Marsh
	Shallow Marsh Meadow or Fen
	Shrub Swamp
	Wooded Swamp Coniferous
	Wooded Swamp Deciduous
	Wooded Swamp Mixed Trees

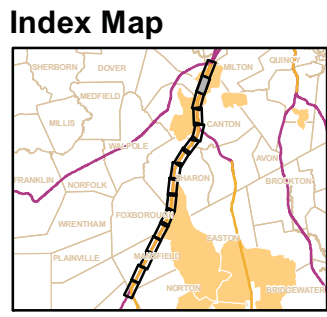
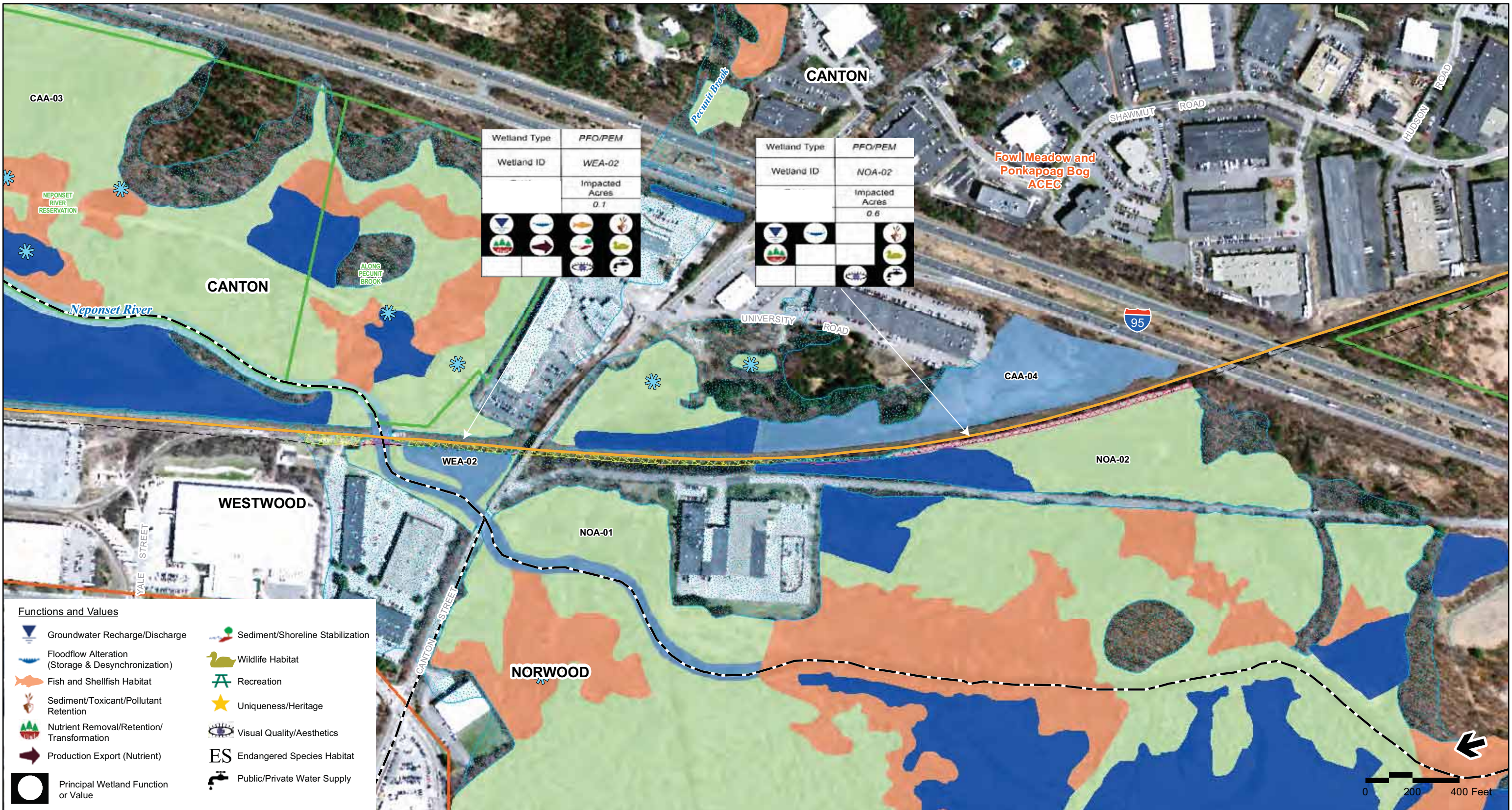


Figure 4.16-4b
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- BLSF - Bordering Land Subject to Flooding
- 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

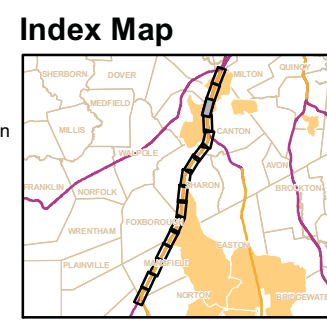


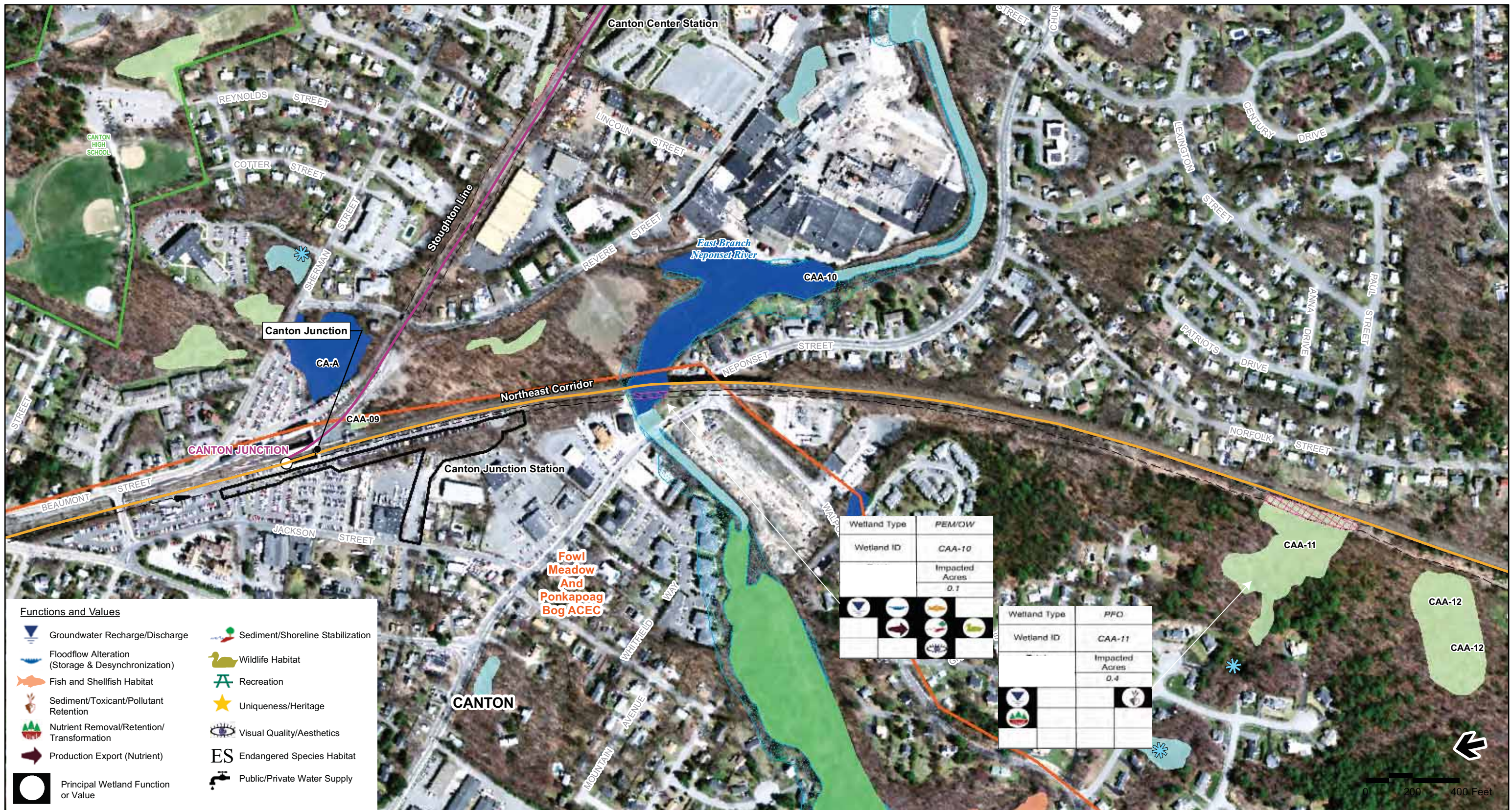
Figure 4.16-4c
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Figure 4.16-4d
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Wetland Type	PEM/OW
Wetland ID	CAA-10
	Impacted Acres
	0.1

Wetland Type	PFO
Wetland ID	CAA-11
	Impacted Acres
	0.4

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Open Water
SCR Identified Vernal Pools (Field Verified)	Bog
	Cranberry Bog
	Other
	Deep Marsh

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

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

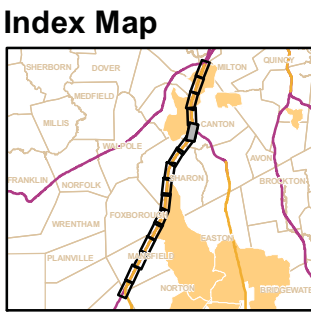
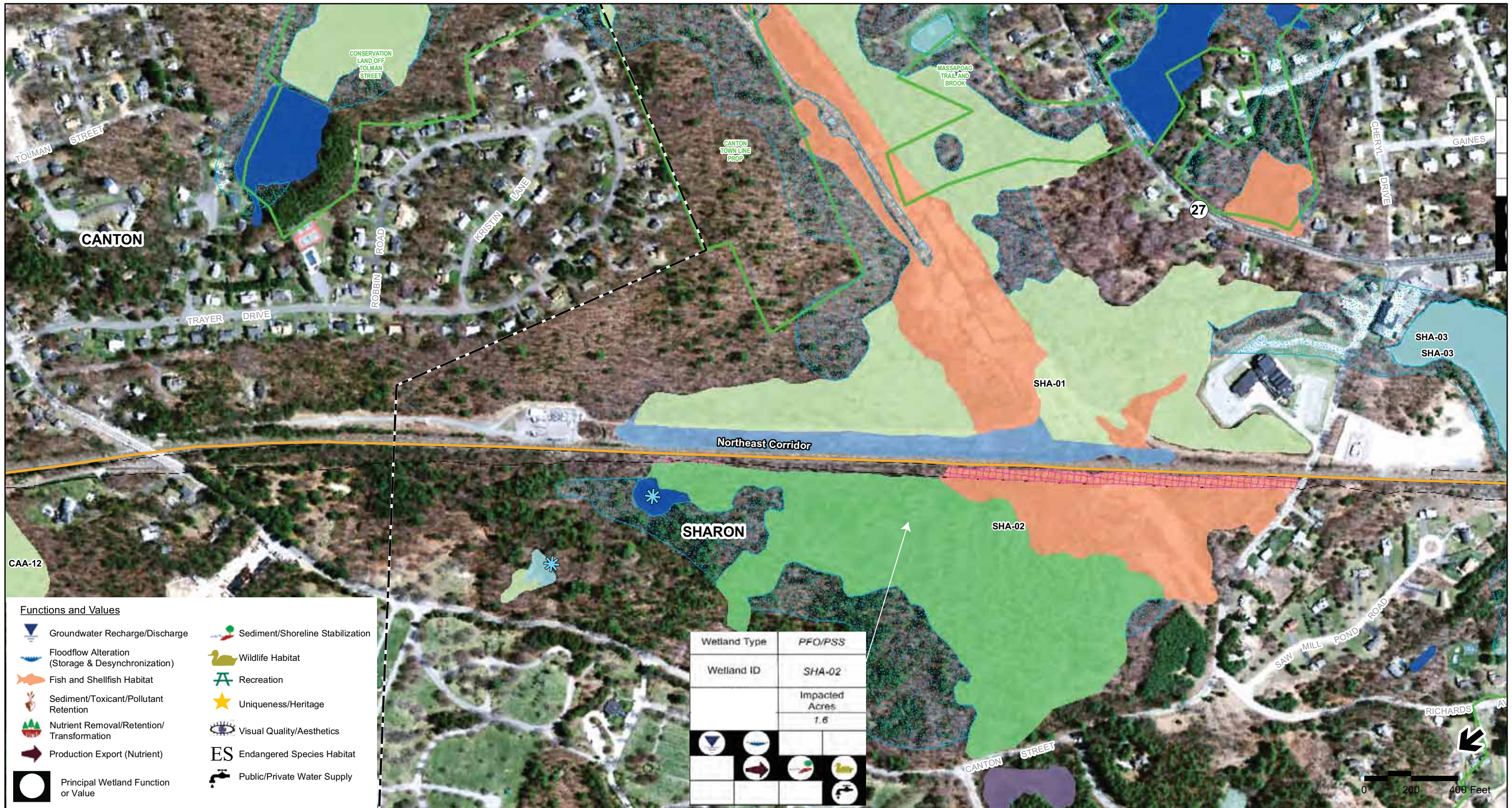


Figure 4.16-4e
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Wetland Type	PFO/PSS
Wetland ID	SHA-02
Impacted Acres	1.6

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Open Water
SCR Identified Vernal Pools (Field Verified)	Bog

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Wetlands

Open Water	Salt Marsh
Bog	Shallow Marsh Meadow or Fen
Cranberry Bog	Shrub Swamp
Other	Wooded Swamp Coniferous
Deep Marsh	Wooded Swamp Deciduous
	Wooded Swamp Mixed Trees

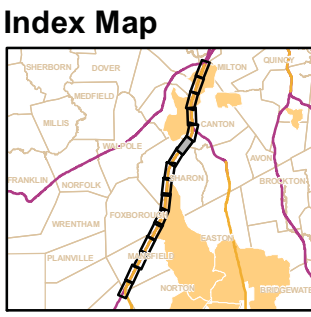
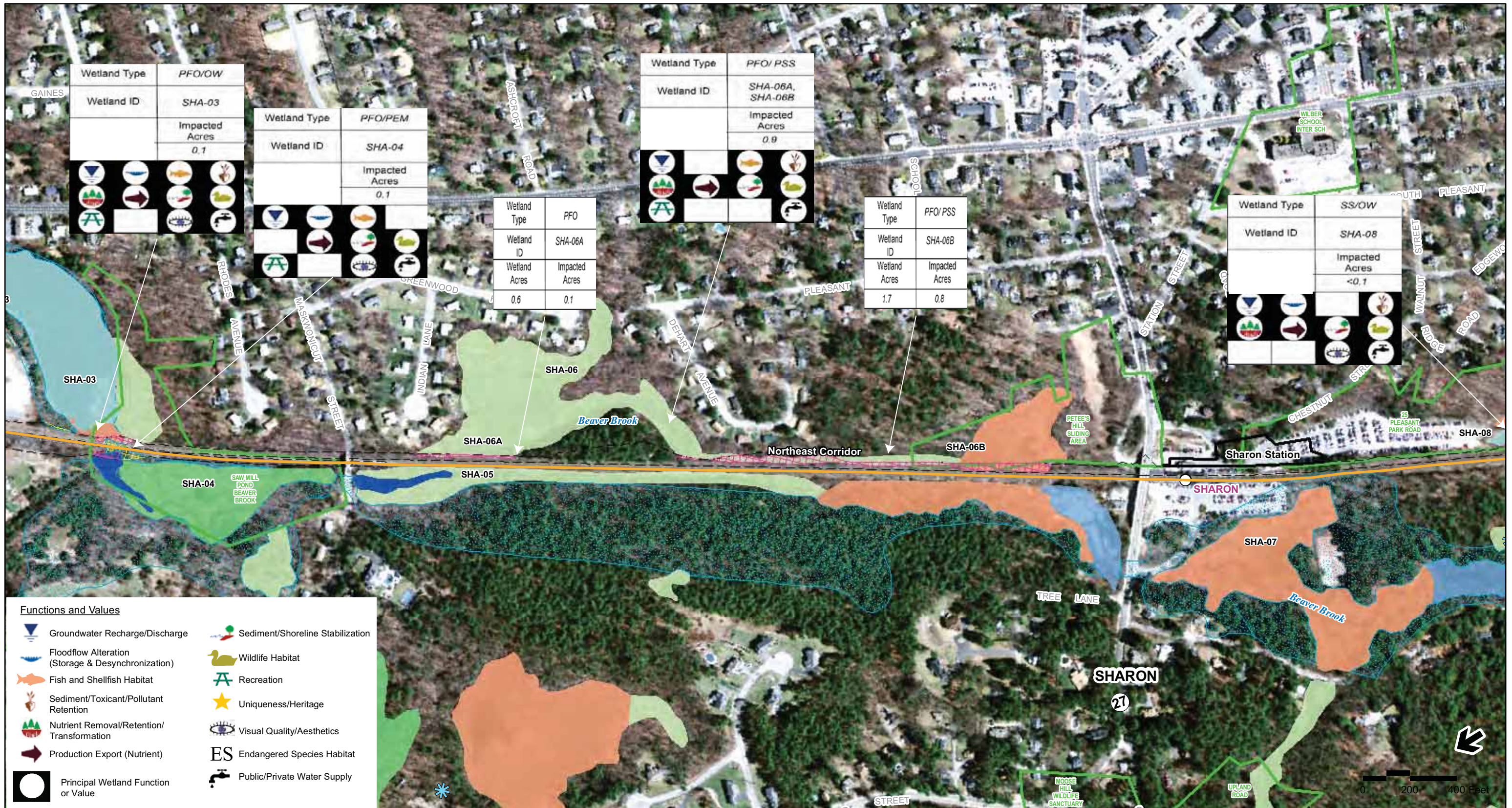


Figure 4.16-4f
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO/OW
Wetland ID	SHA-03
Impacted Acres	0.1

Wetland Type	PFO/PEM
Wetland ID	SHA-04
Impacted Acres	0.1

Wetland Type	PFO/PSS
Wetland ID	SHA-06A, SHA-06B
Impacted Acres	0.9

Wetland Type	PFO
Wetland ID	SHA-06A
Wetland Acres	0.6
Impacted Acres	0.1

Wetland Type	PFO/PSS
Wetland ID	SHA-06B
Wetland Acres	1.7
Impacted Acres	0.8

Wetland Type	SS/OW
Wetland ID	SHA-08
Impacted Acres	<0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

Wetlands

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools (Field Verified)		Open Water
	SCR Identified Vernal Pools (Field Verified)		Bog
	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools		Cranberry Bog
			Other
			Deep Marsh

Wetlands

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

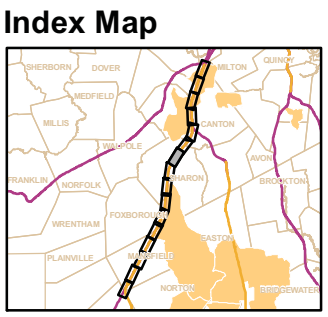


Figure 4.16-4g
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

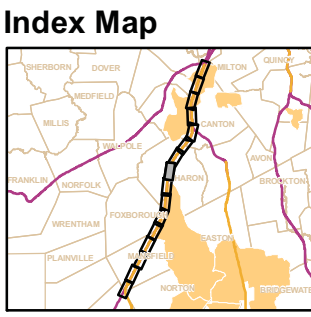
Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	

Wetlands

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Open Water
SCR Identified Vernal Pools (Field Verified)	Bog
	Cranberry Bog
	Other
	Deep Marsh

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

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



Wetland Type	PSS
Wetland ID	SHA-12
Impacted Acres	0.1

Wetland Type	PEM
Wetland ID	SHA-11
Impacted Acres	0.1

200 400 Feet

Figure 4.16-4h
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- BLSF - Bordering Land Subject to Flooding
- 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

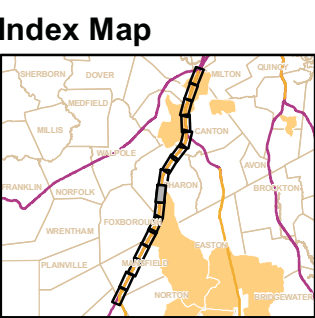
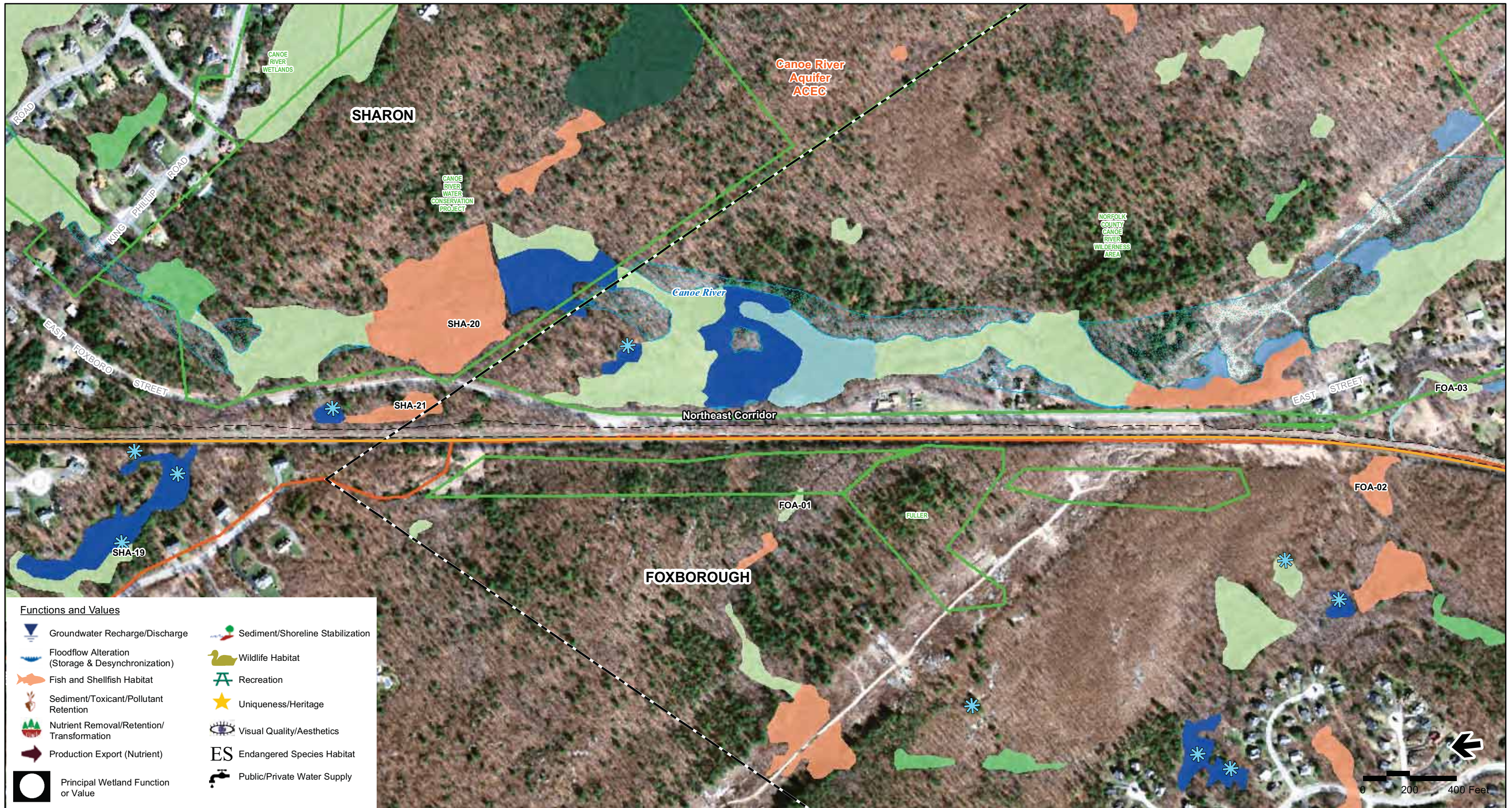


Figure 4.16-4i
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Open Water
SCR Identified Vernal Pools (Field Verified)	Bog
<p>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</p>	Cranberry Bog
	Other
	Deep Marsh

Wetlands

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

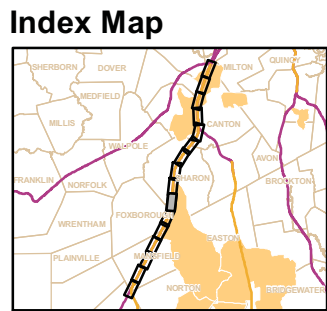


Figure 4.16-4j
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO/PEM/OW
Wetland ID	FOA-04
	Impacted Acres
	<0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools		Wetlands
	SCR Identified Vernal Pools (Field Verified)		Open Water
Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools			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

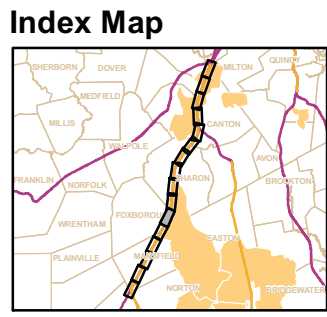


Figure 4.16-4k
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding	Salt Marsh
NHESP Potential Vernal Pools	Open Water	Shallow Marsh Meadow or Fen
SCR Identified Vernal Pools (Field Verified)	Bog	Shrub Swamp
<p>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</p>	Cranberry Bog	Wooded Swamp Coniferous
	Other	Wooded Swamp Deciduous
	Deep Marsh	Wooded Swamp Mixed Trees

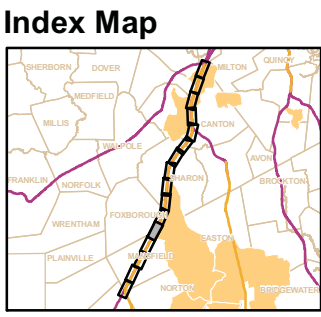


Figure 4.16-41
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



* Traction power stations are only required for electric rail alternative



- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- BLSF - Bordering Land Subject to Flooding
- 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

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

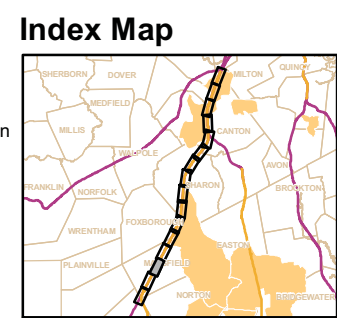
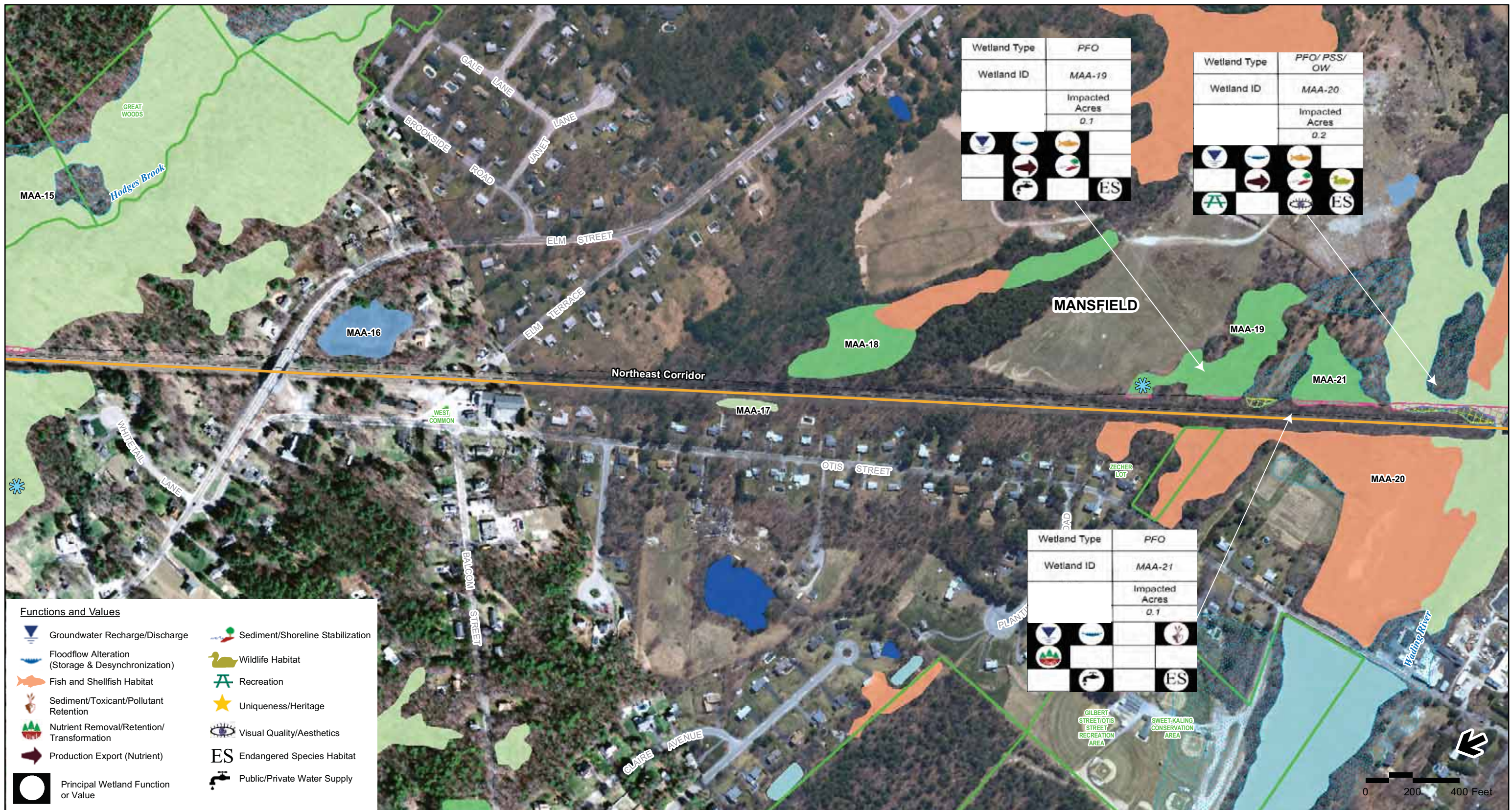


Figure 4.16-4n
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO
Wetland ID	MAA-19
	Impacted Acres
	0.1

Wetland Type	PFO/ PSS/ OW
Wetland ID	MAA-20
	Impacted Acres
	0.2

Wetland Type	PFO
Wetland ID	MAA-21
	Impacted Acres
	0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools		Wetlands
	SCR Identified Vernal Pools (Field Verified)		Open Water
	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools		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

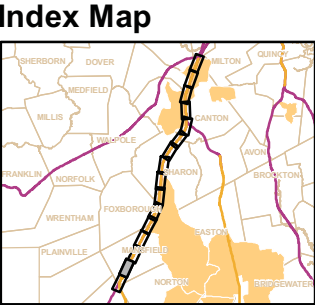
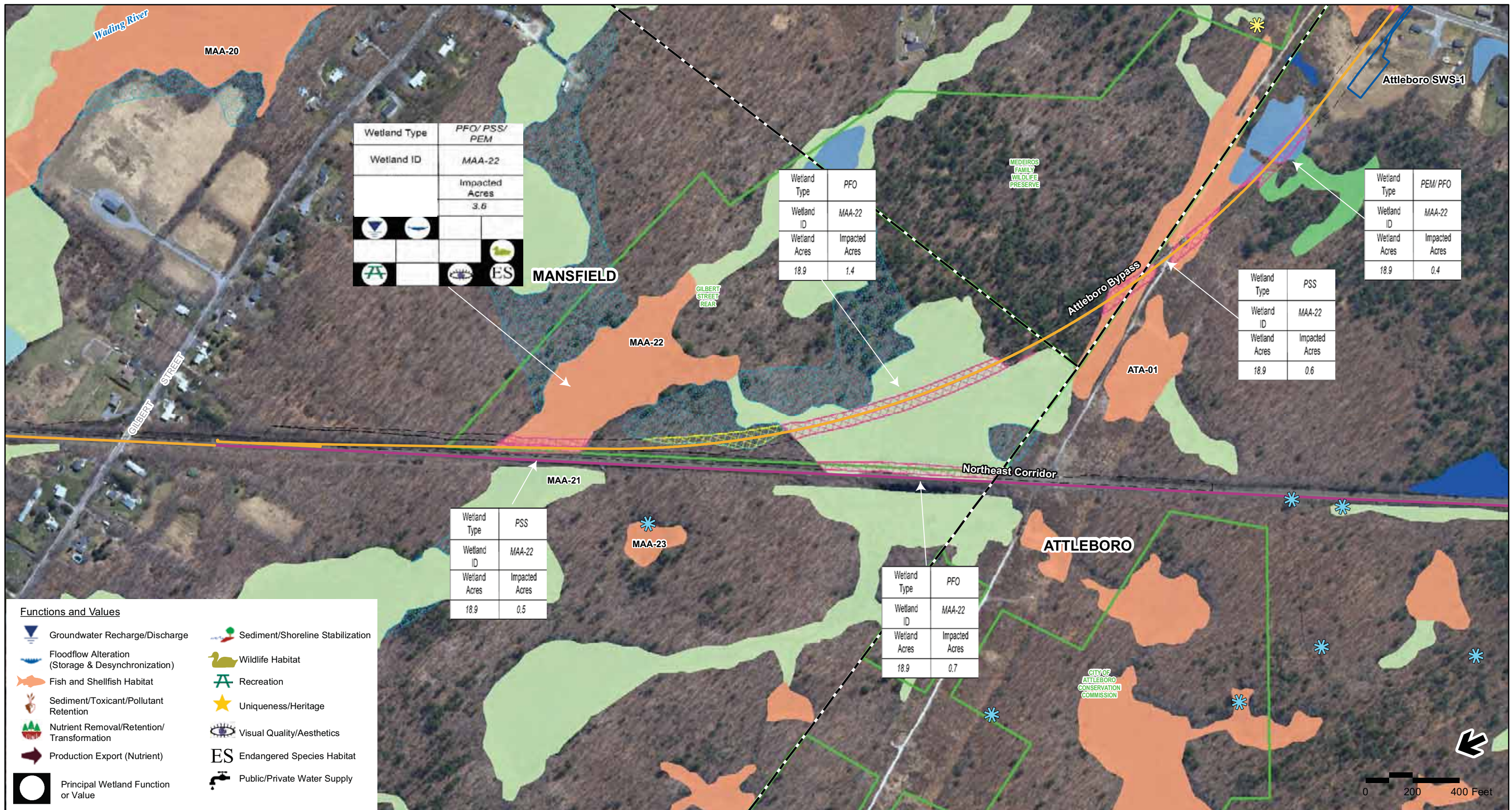


Figure 4.16-4o
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools		Wetlands
	SCR Identified Vernal Pools (Field Verified)		Open Water
Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools			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

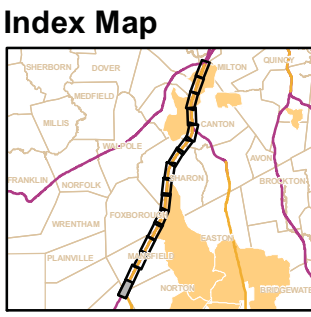
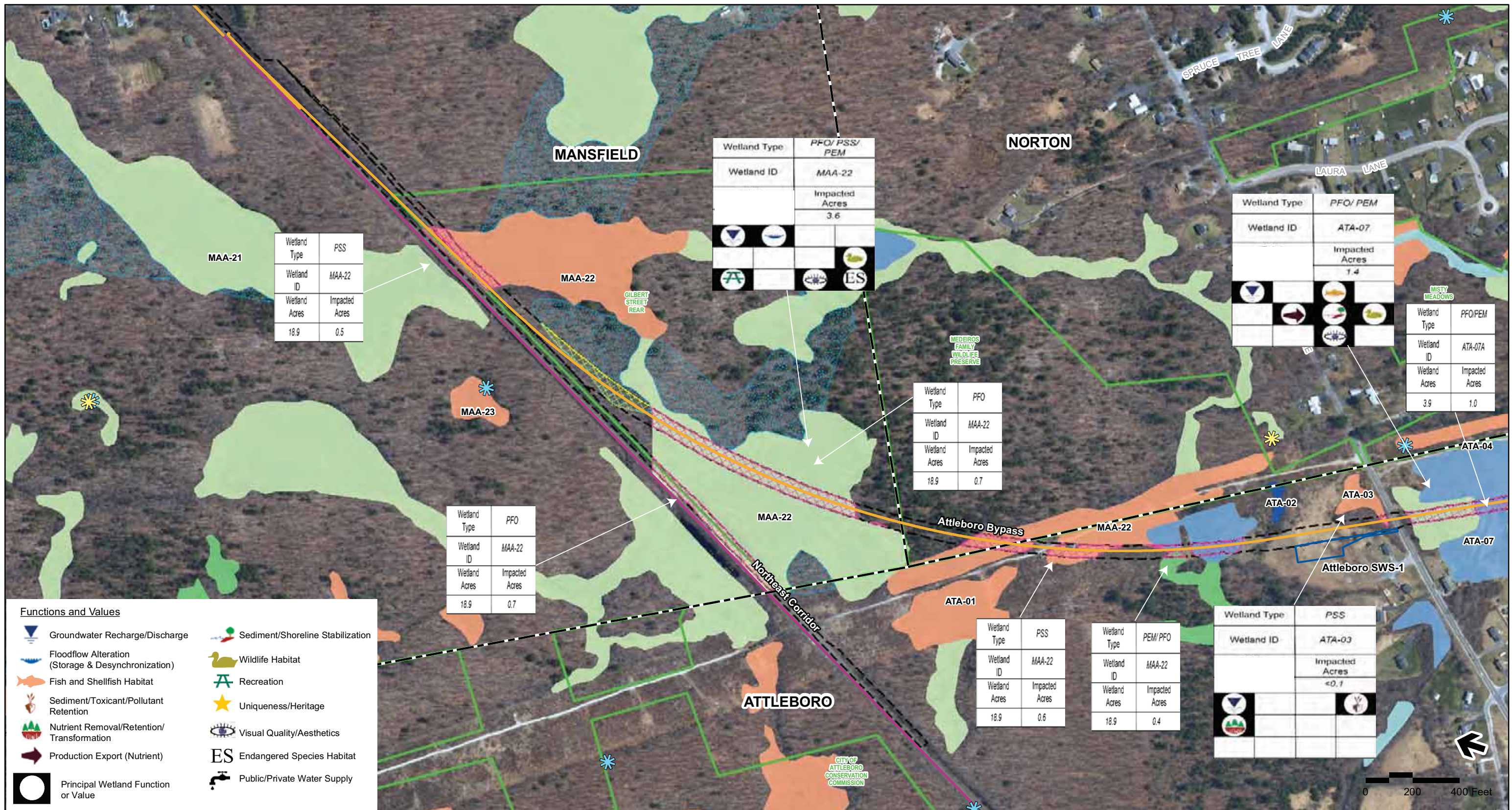


Figure 4.16-4p
Attleboro Alternatives - Northeast Corridor

* Traction power stations are only required for electric rail alternative



Wetland Type	PSS
Wetland ID	MAA-21
Wetland Acres	18.9
Impacted Acres	0.5

Wetland Type	PFO/ PSS/ PEM
Wetland ID	MAA-22
Impacted Acres	3.6
[Icons: Fish, Bird, Tree, etc.]	

Wetland Type	PFO/ PEM
Wetland ID	ATA-07
Impacted Acres	1.4
[Icons: Fish, Bird, Tree, etc.]	

Wetland Type	PFO/PEM
Wetland ID	ATA-07A
Wetland Acres	3.9
Impacted Acres	1.0

Wetland Type	PFO
Wetland ID	MAA-22
Wetland Acres	18.9
Impacted Acres	0.7

Wetland Type	PFO
Wetland ID	MAA-22
Wetland Acres	18.9
Impacted Acres	0.7

Wetland Type	PSS
Wetland ID	MAA-22
Wetland Acres	18.9
Impacted Acres	0.6

Wetland Type	PEM/ PFO
Wetland ID	MAA-22
Wetland Acres	18.9
Impacted Acres	0.4

Wetland Type	PSS
Wetland ID	ATA-03
Impacted Acres	<0.1
[Icons: Fish, Bird, Tree, etc.]	

Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	

Wetlands

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Open Water
SCR Identified Vernal Pools (Field Verified)	Bog
Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools	Cranberry Bog
	Other
	Deep Marsh

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

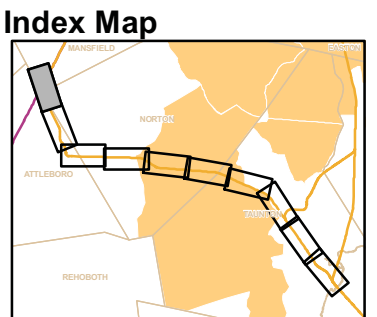
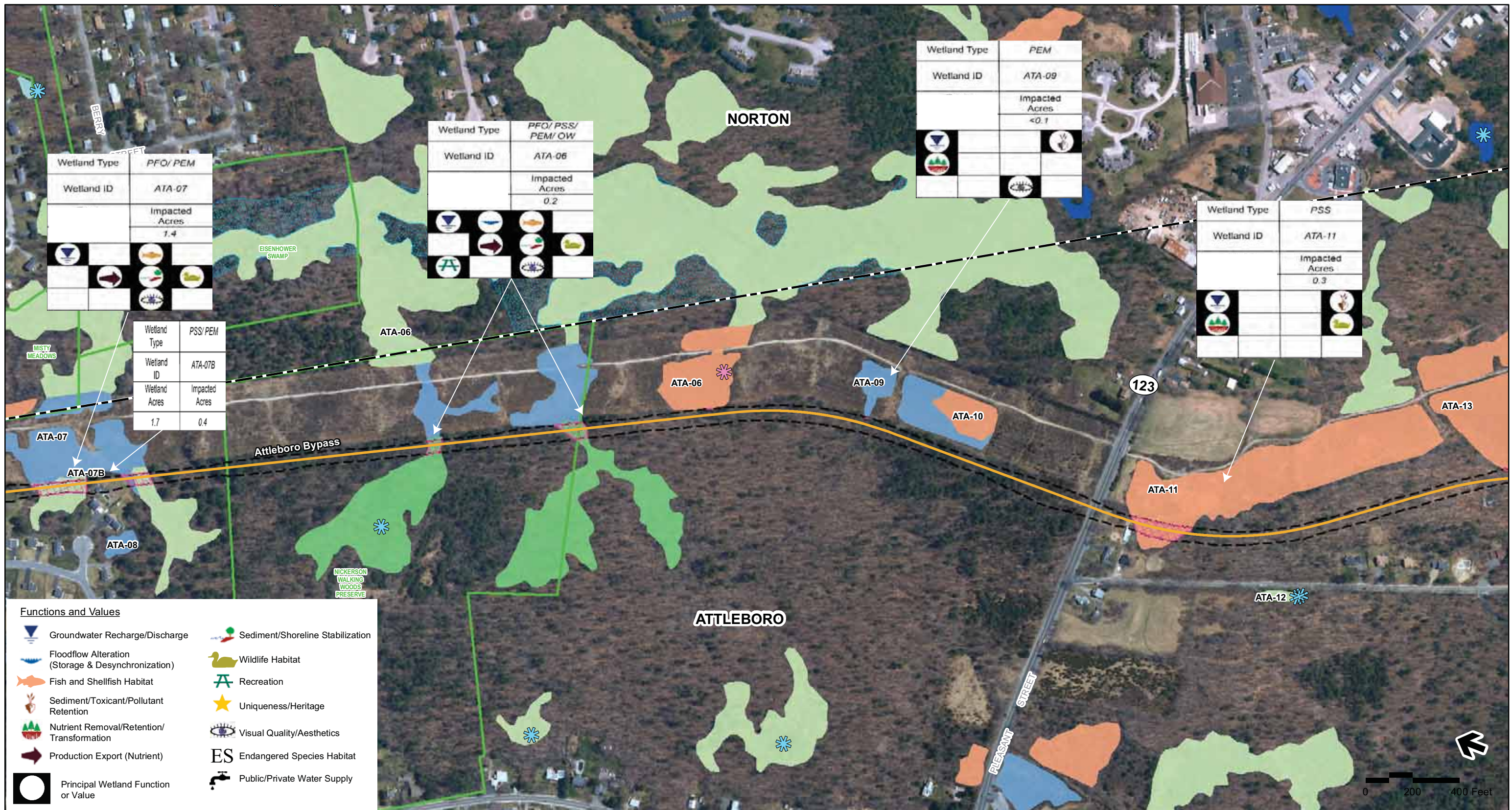


Figure 4.16-5a
Attleboro Alternatives -
Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail	NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding	Salt Marsh
MBTA Commuter Rail Station	Limit of Work for Proposed Station	NHESP Potential Vernal Pools	Open Water	Shallow Marsh Meadow or Fen
Town Boundaries	Traction Power Station*	SCR Identified Vernal Pools (Field Verified)	Bog	Shrub Swamp
MBTA Commuter Rail	Impacted Wetlands	<small>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</small>	Cranberry Bog	Wooded Swamp Coniferous
Protected Open Space	Impacted BLSF		Other	Wooded Swamp Deciduous
Area of Critical Environmental Concern (ACEC)			Deep Marsh	Wooded Swamp Mixed Trees

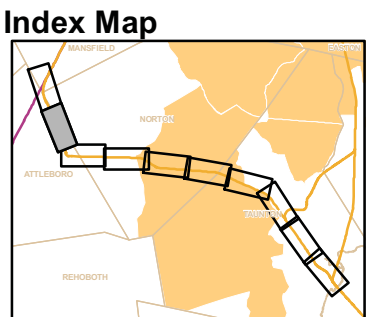


Figure 4.16-5b
Attleboro Alternatives -
Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative

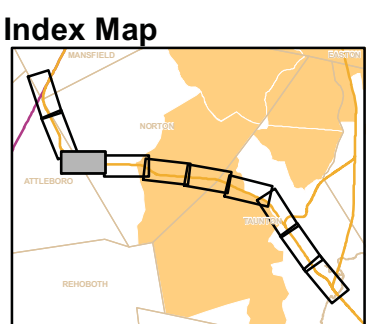
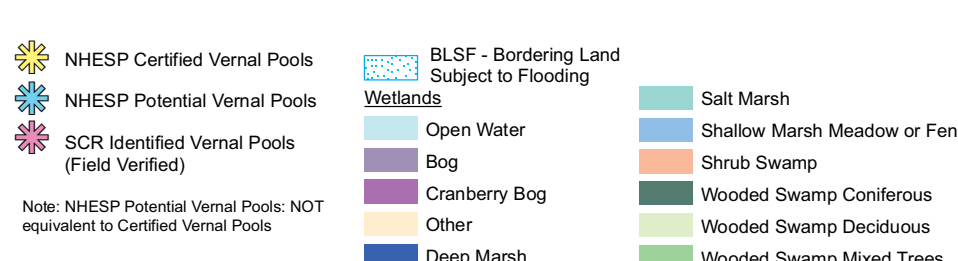
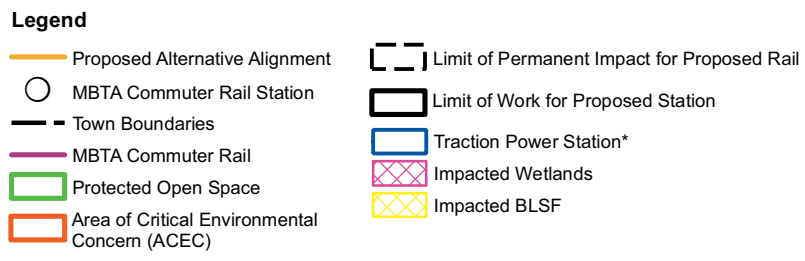
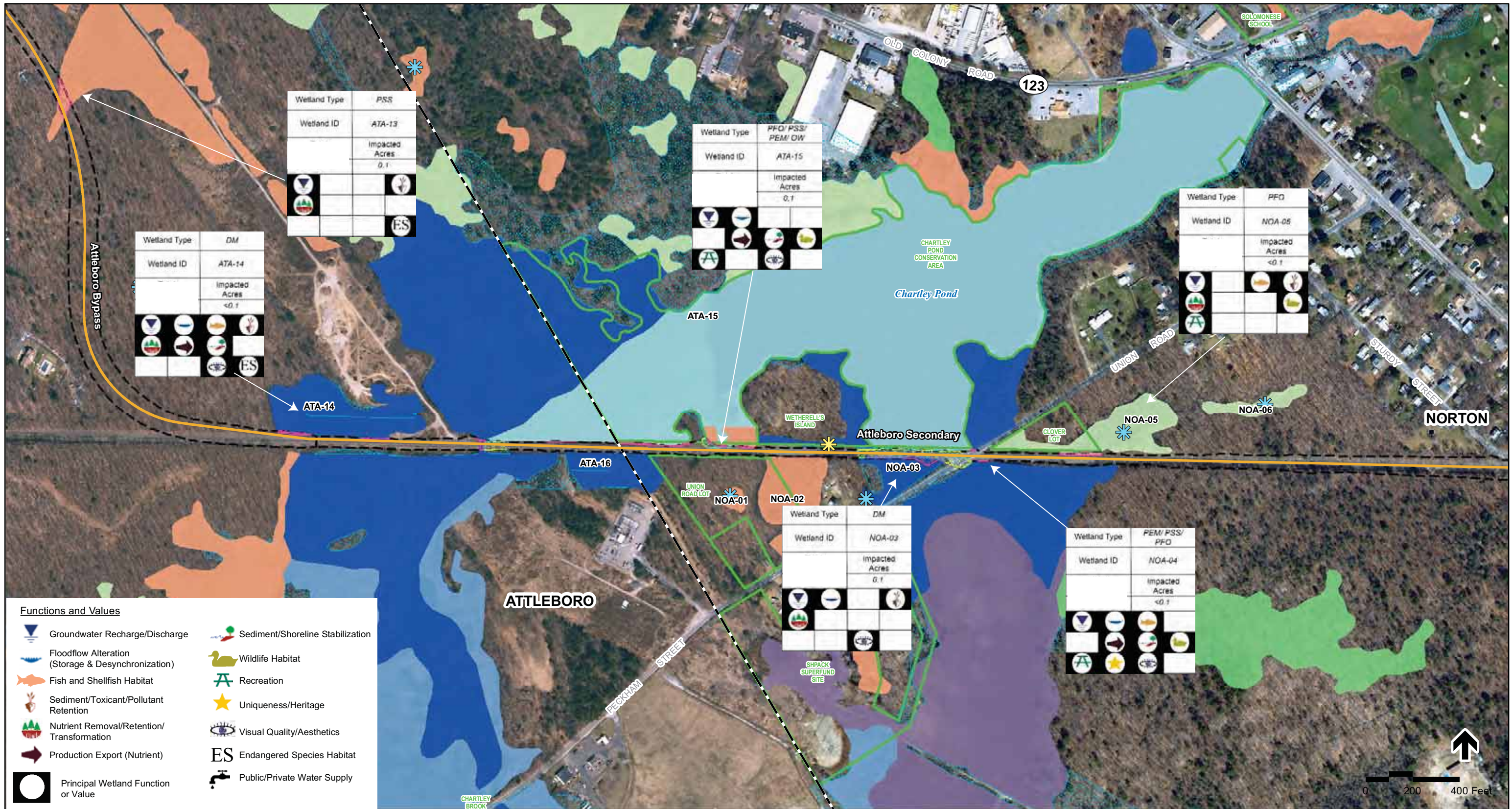
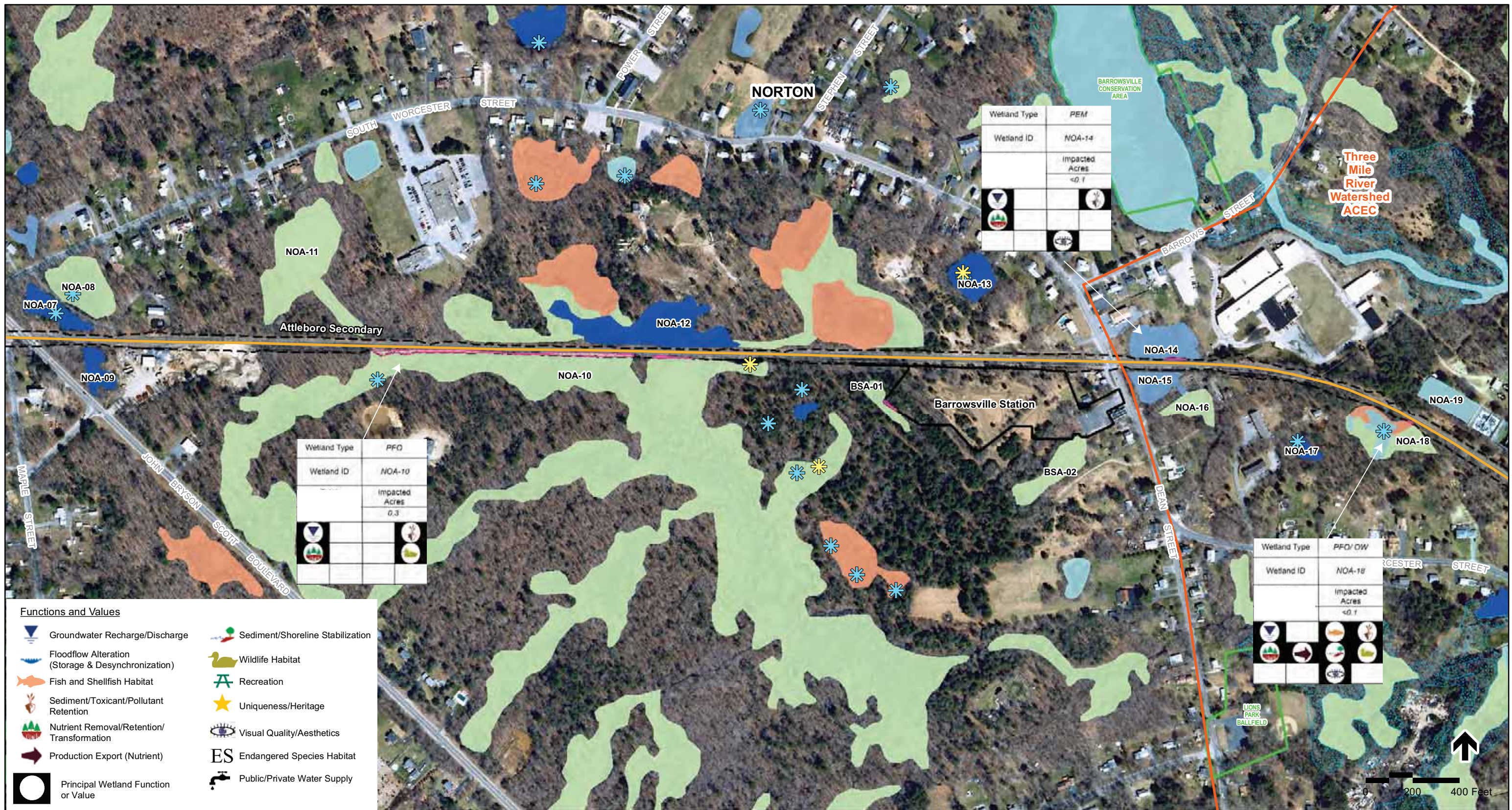


Figure 4.16-5c
Attleboro Alternatives -
Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative



Wetland Type	PEM
Wetland ID	NOA-14
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	NOA-10
Impacted Acres	0.3

Wetland Type	PFO/DW
Wetland ID	NOA-18
Impacted Acres	<0.1

Functions and Values

- Groundwater Recharge/Discharge
- Floodflow Alteration (Storage & Desynchronization)
- Fish and Shellfish Habitat
- Sediment/Toxicant/Pollutant Retention
- Nutrient Removal/Retention/Transformation
- Production Export (Nutrient)
- Principal Wetland Function or Value
- Sediment/Shoreline Stabilization
- Wildlife Habitat
- Recreation
- Uniqueness/Heritage
- Visual Quality/Aesthetics
- Endangered Species Habitat
- Public/Private Water Supply

Legend

- Proposed Alternative Alignment
- MBTA Commuter Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Protected Open Space
- Area of Critical Environmental Concern (ACEC)
- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station
- Traction Power Station*
- Impacted Wetlands
- Impacted BLSF
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- BLSF - Bordering Land Subject to Flooding
- 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

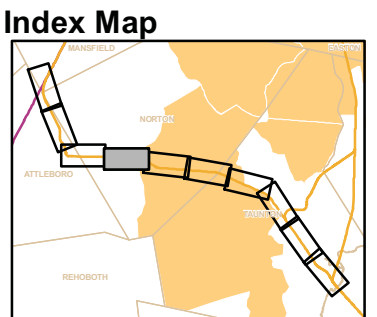
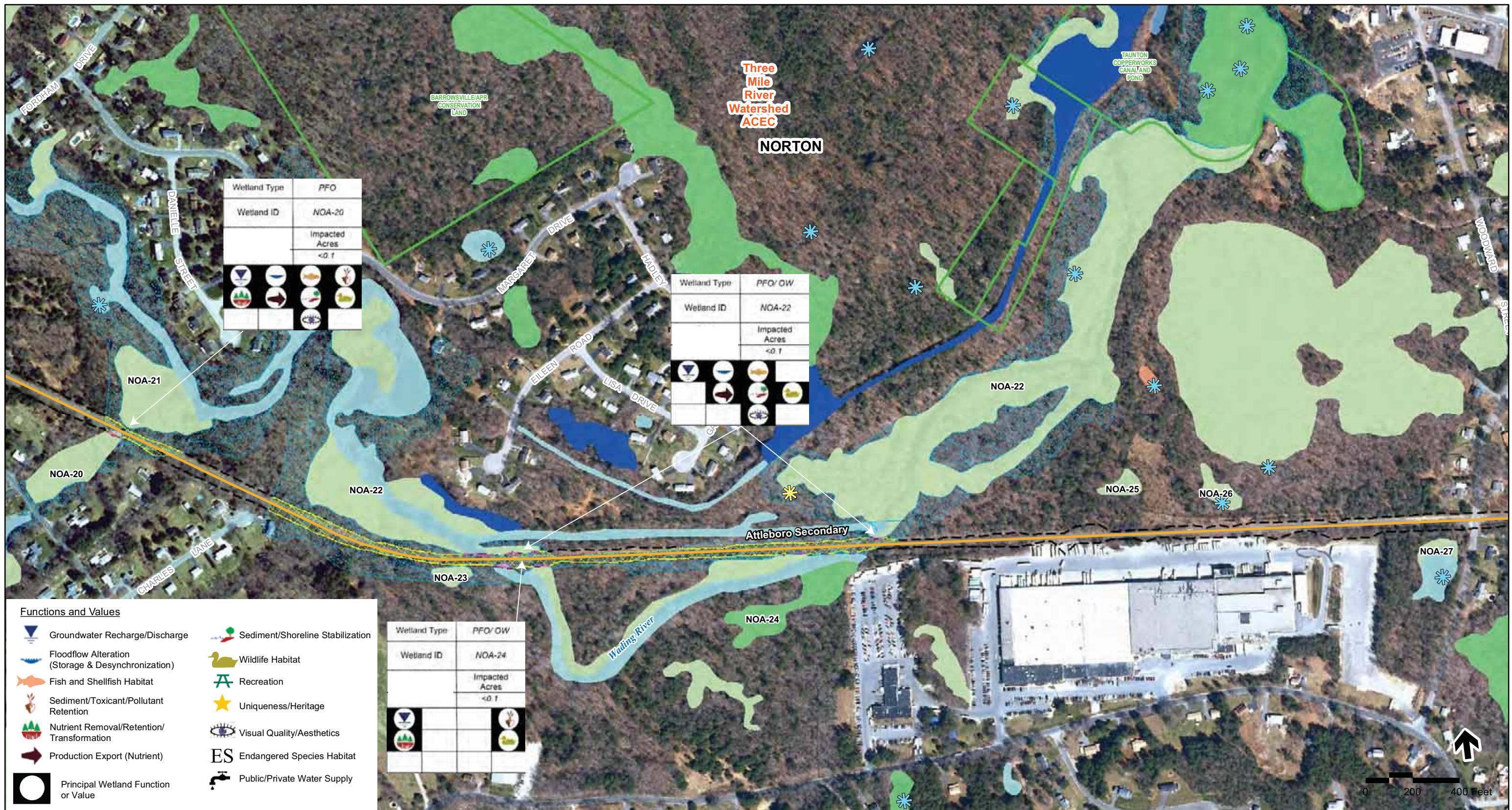


Figure 4.16-5d
Attleboro Alternatives -
Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO
Wetland ID	NOA-20
Impacted Acres	<0.1

Wetland Type	PFO/OW
Wetland ID	NOA-22
Impacted Acres	<0.1

Wetland Type	PFO/OW
Wetland ID	NOA-24
Impacted Acres	<0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools (Field Verified)		Wetlands
<p>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</p>			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

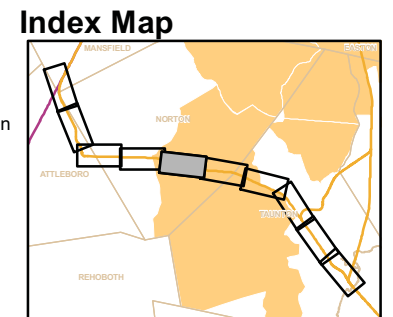


Figure 4.16-5e
Attleboro Alternatives -
Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative

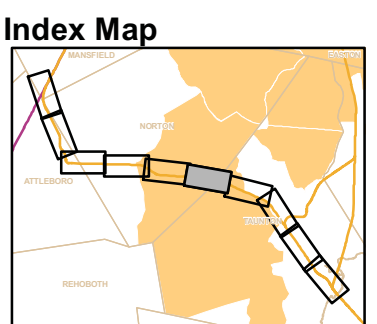
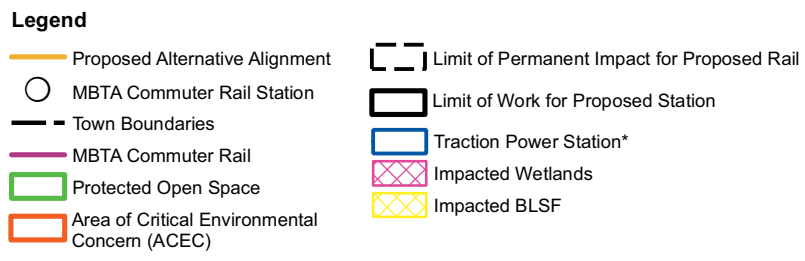
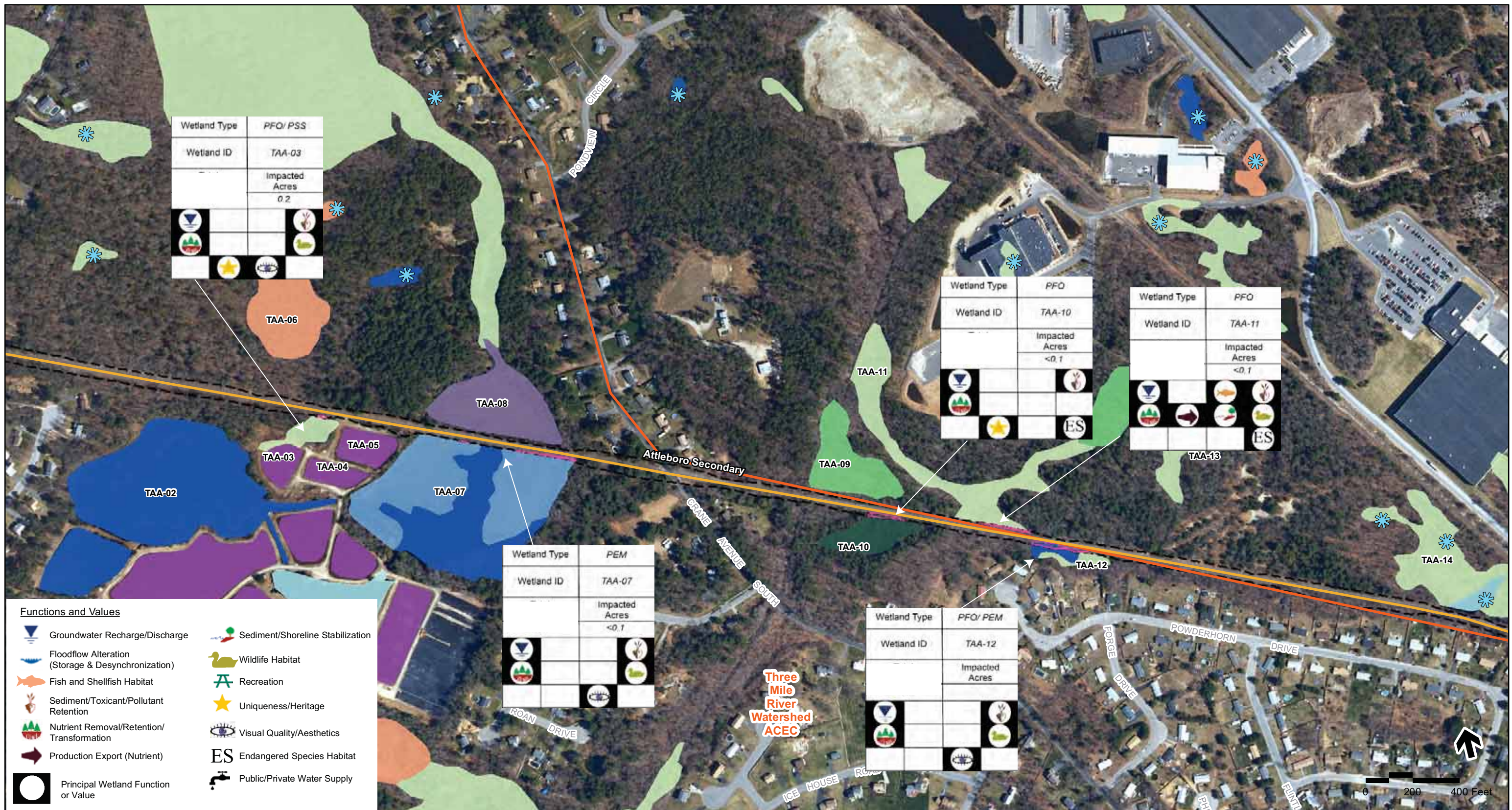


Figure 4.16-5f
Attleboro Alternatives -
Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative



- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- BLSF - Bordering Land Subject to Flooding
- 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

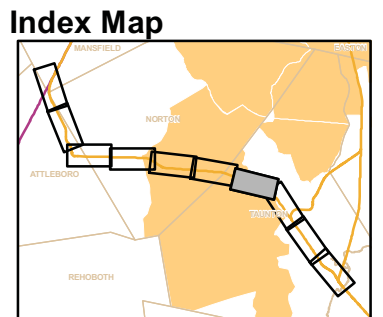


Figure 4.16-5g
Attleboro Alternatives -
Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative

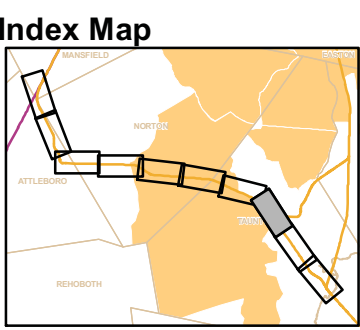
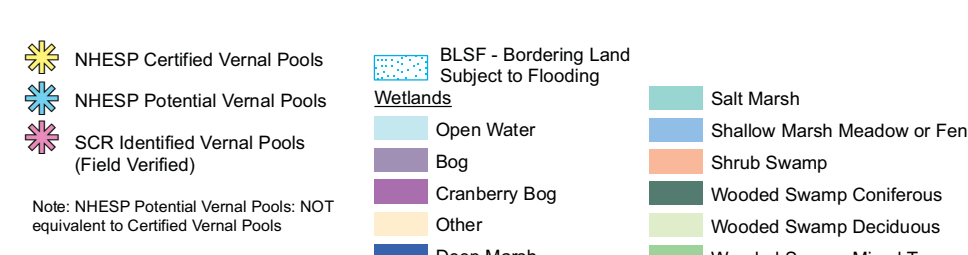
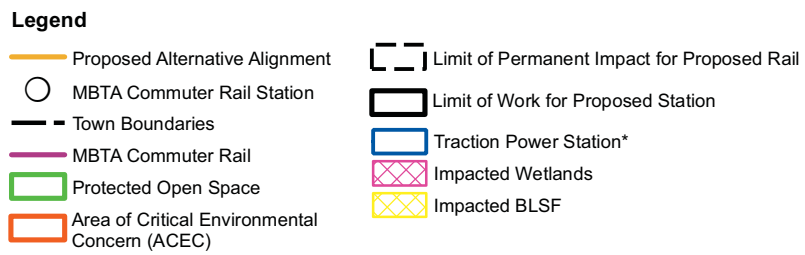


Figure 4.16-5h
 Attleboro Alternatives -
 Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Open Water
SCR Identified Vernal Pools (Field Verified)	Bog

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Wetlands	Salt Marsh
Open Water	Shallow Marsh Meadow or Fen
Bog	Shrub Swamp
Cranberry Bog	Wooded Swamp Coniferous
Other	Wooded Swamp Deciduous
Deep Marsh	Wooded Swamp Mixed Trees

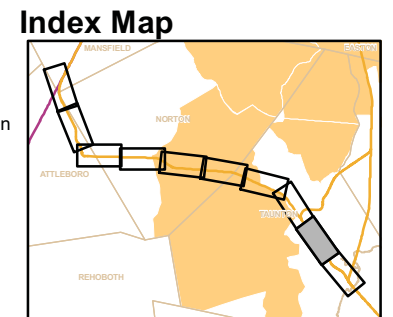


Figure 4.16-5i
 Attleboro Alternatives -
 Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative



Index Map

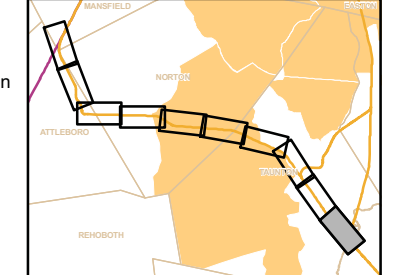


Figure 4.16-5j
 Attleboro Alternatives -
 Attleboro Bypass & Attleboro Secondary

* Traction power stations are only required for electric rail alternative

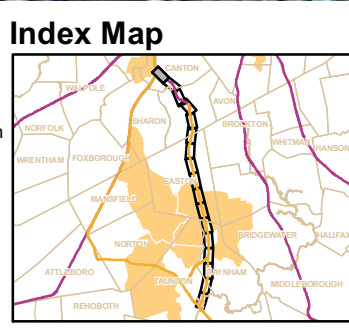
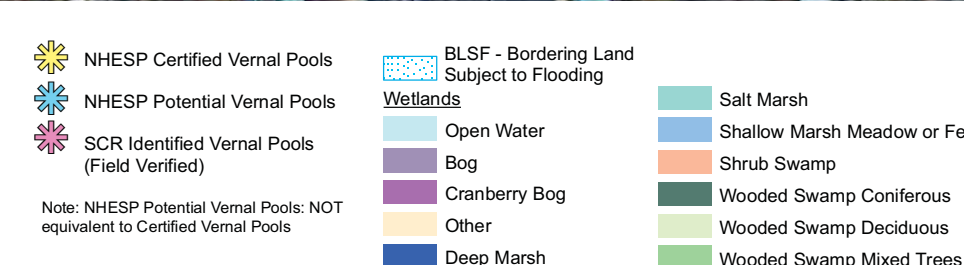
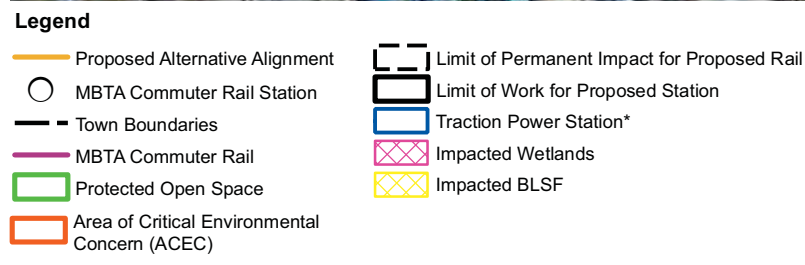
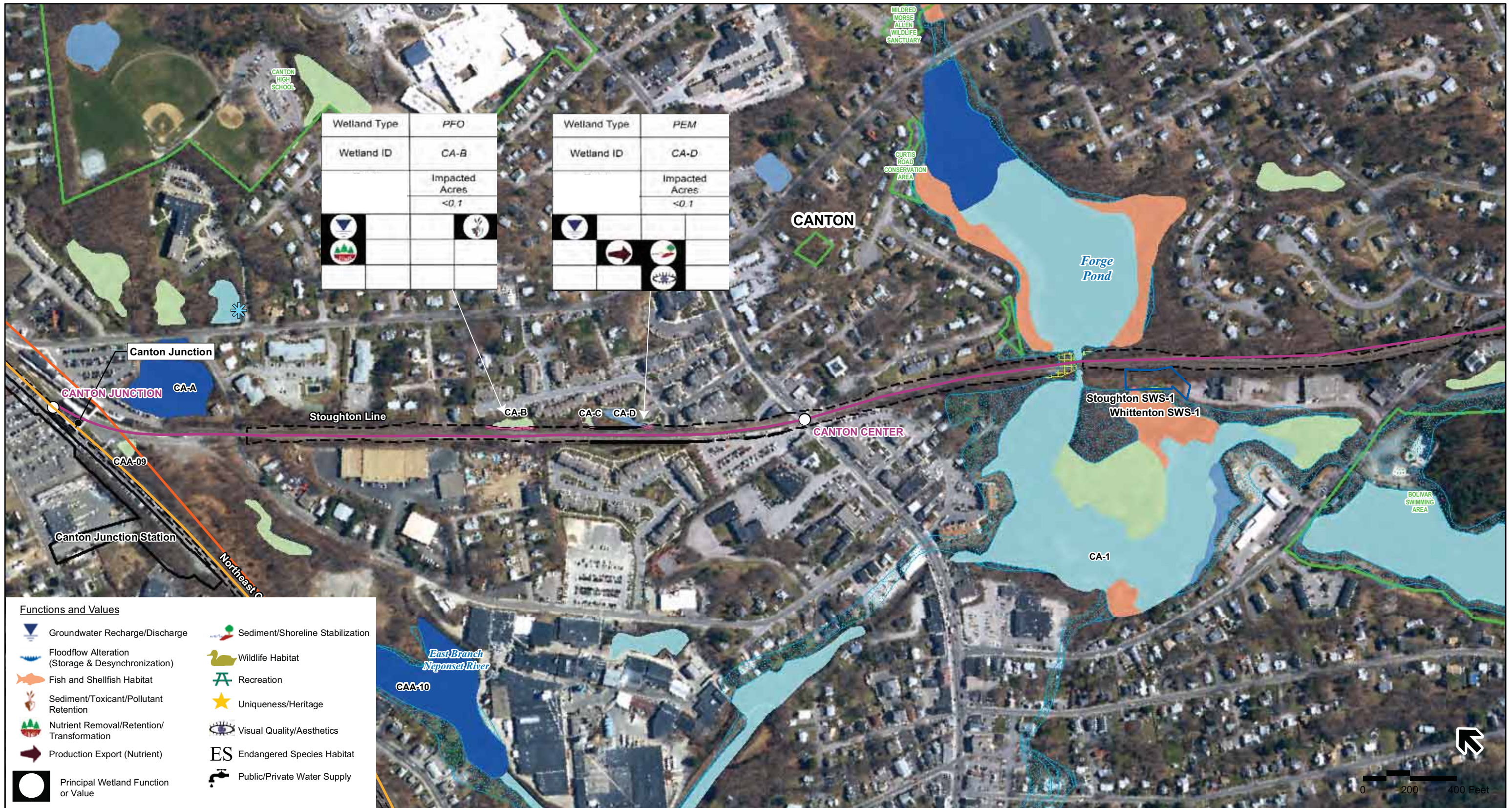


Figure 4.16-6a
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO/ PSS/ OW
Wetland ID	CA-2
Impacted Acres	<0.1

Functions and Values	
Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend	
Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	NHESP Certified Vernal Pools
	NHESP Potential Vernal Pools
	SCR Identified Vernal Pools (Field Verified)
	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
	BLSF - Bordering Land Subject to Flooding
Open Water	Salt Marsh
Bog	Shallow Marsh Meadow or Fen
Cranberry Bog	Shrub Swamp
Other	Wooded Swamp Coniferous
Deep Marsh	Wooded Swamp Deciduous
	Wooded Swamp Mixed Trees

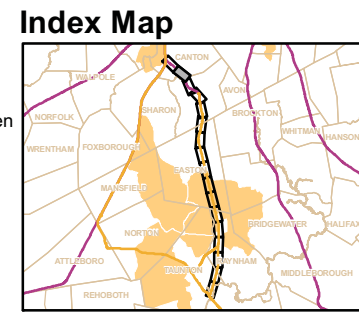


Figure 4.16-6b
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative

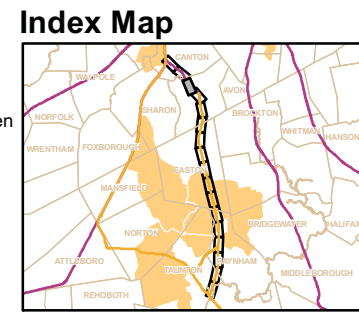


Figure 4.16-6c
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative

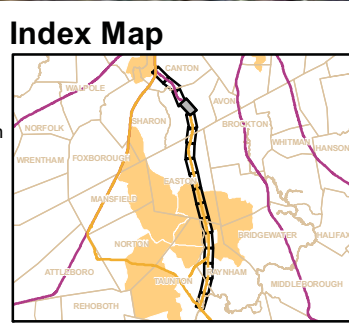
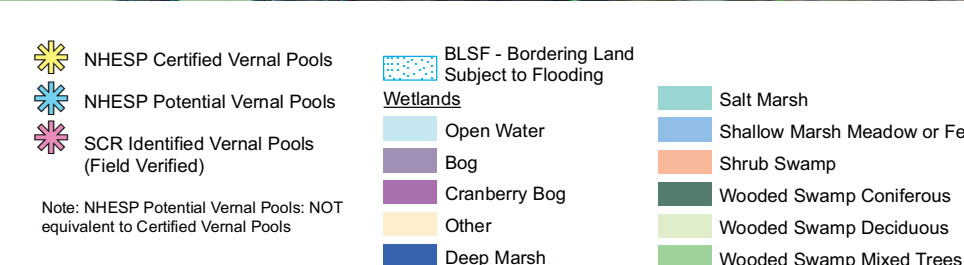
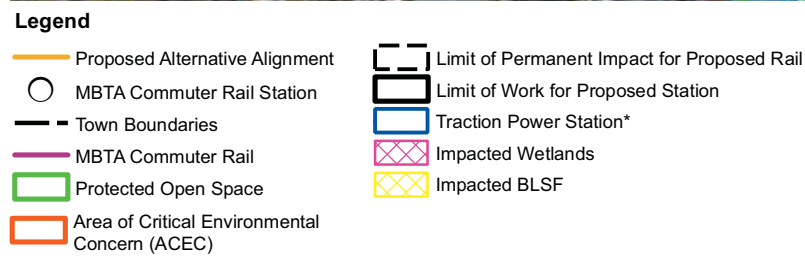
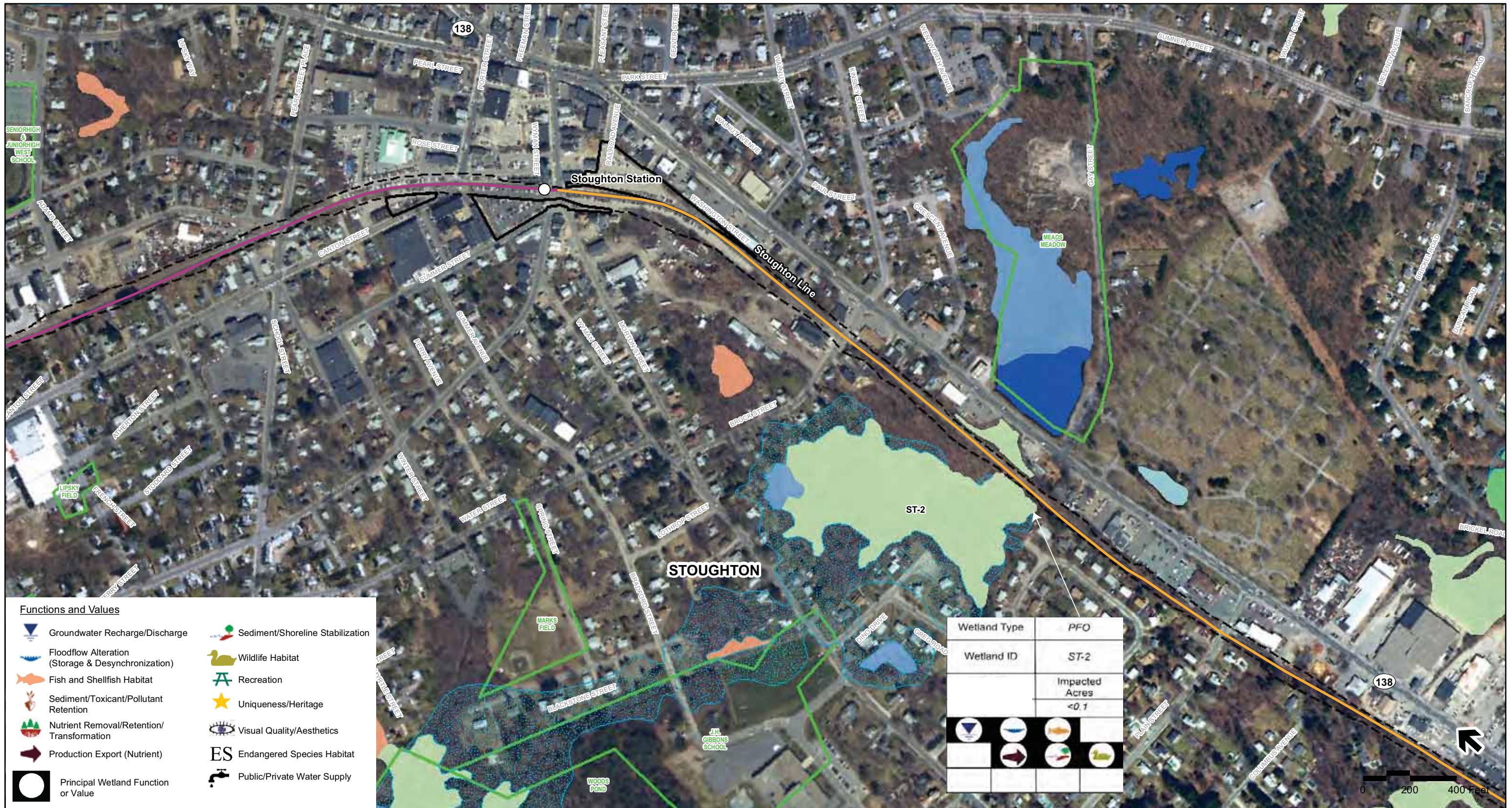
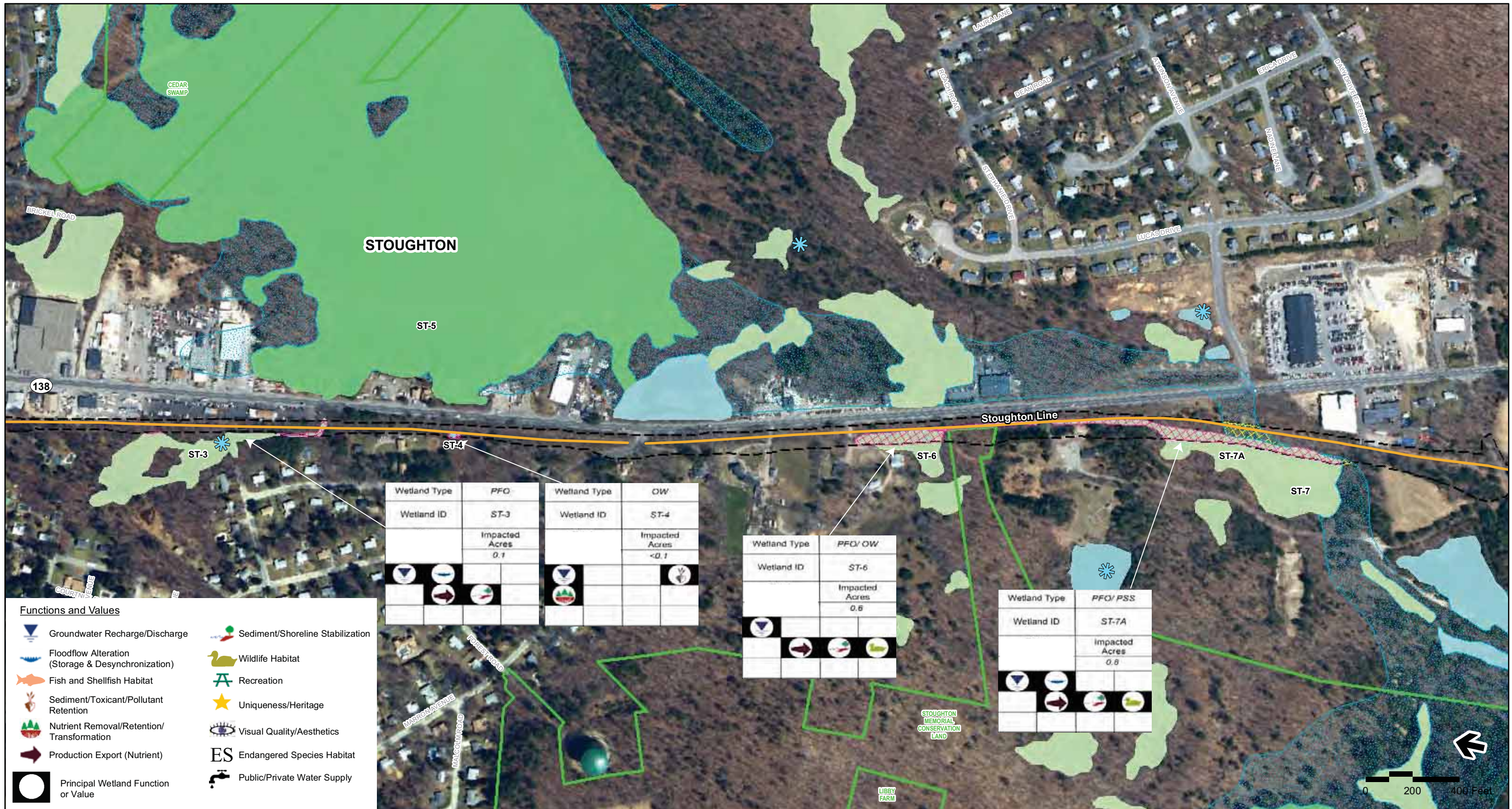


Figure 4.16-6d
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative



Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Wetland Type	PFO	Wetland Type	OW
Wetland ID	ST-3	Wetland ID	ST-4
Impacted Acres	0.1	Impacted Acres	<0.1

Wetland Type	PFO/OW
Wetland ID	ST-6
Impacted Acres	0.6

Wetland Type	PFO/PSS
Wetland ID	ST-7A
Impacted Acres	0.8

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools	Wetlands	
	SCR Identified Vernal Pools (Field Verified)		Open Water
Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools			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

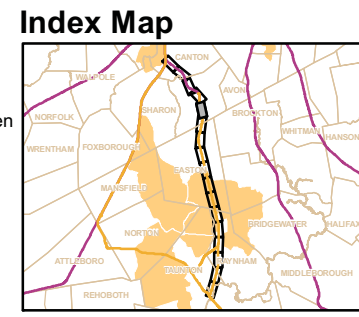
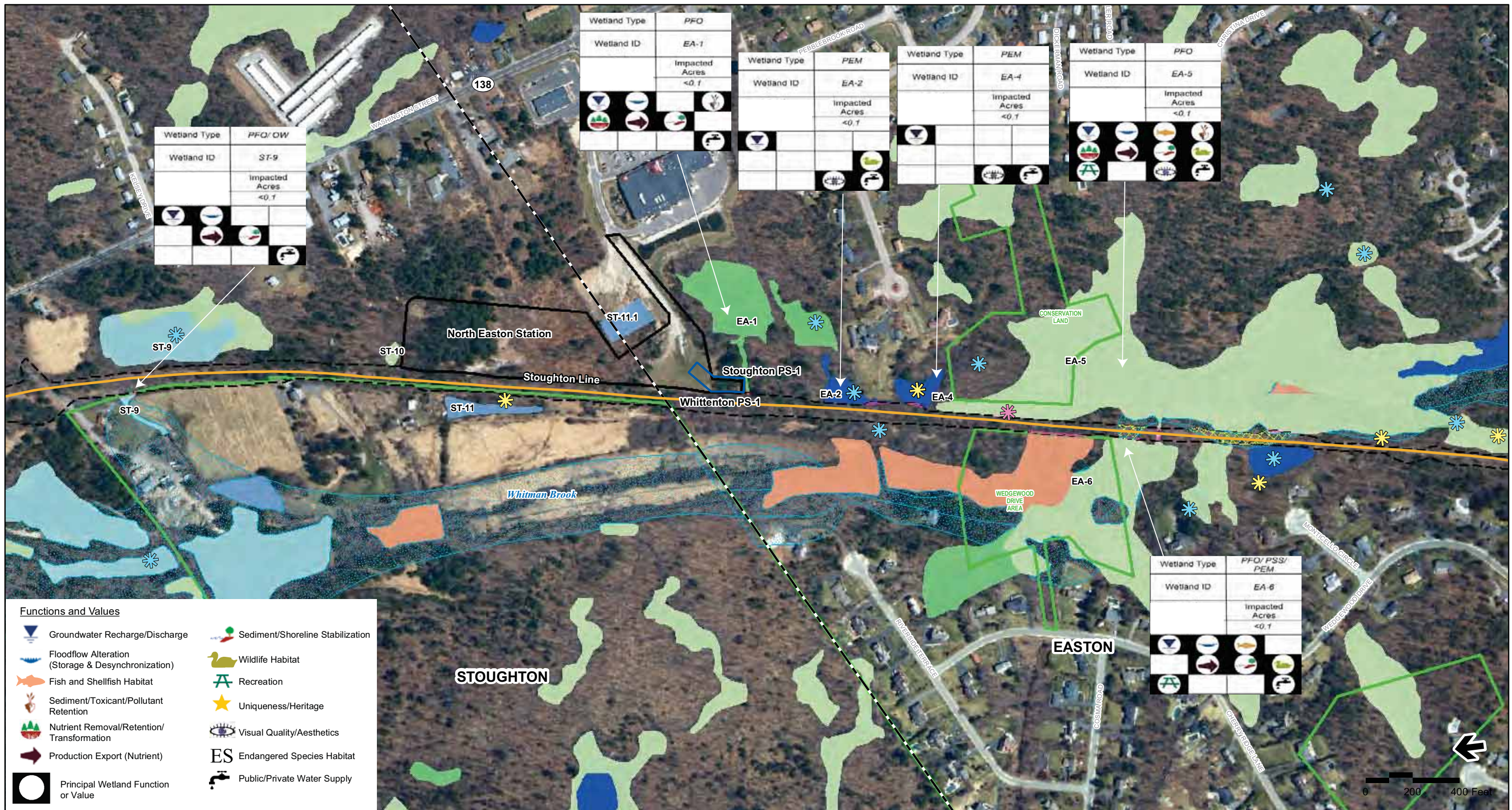


Figure 4.16-6e
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO/DW
Wetland ID	ST-9
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	EA-1
Impacted Acres	<0.1

Wetland Type	PEM
Wetland ID	EA-2
Impacted Acres	<0.1

Wetland Type	PEM
Wetland ID	EA-4
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	EA-5
Impacted Acres	<0.1

Wetland Type	PFO/ PSS/ PEM
Wetland ID	EA-6
Impacted Acres	<0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

Wetlands

	Open Water		Salt Marsh
	Bog		Shrub Swamp
	Cranberry Bog		Wooded Swamp Coniferous
	Other		Wooded Swamp Deciduous
	Deep Marsh		Wooded Swamp Mixed Trees

NHESP Certified Vernal Pools
 NHESP Certified Vernal Pools
 NHESP Potential Vernal Pools
 SCR Identified Vernal Pools (Field Verified)

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

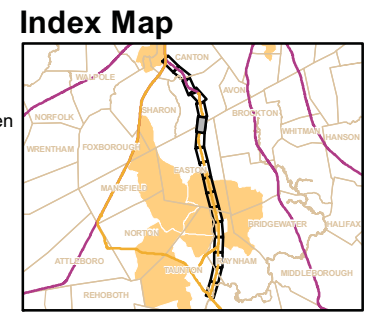


Figure 4.16-6f
 Stoughton Alternatives -
 Stoughton Line

* Traction power stations are only required for electric rail alternative

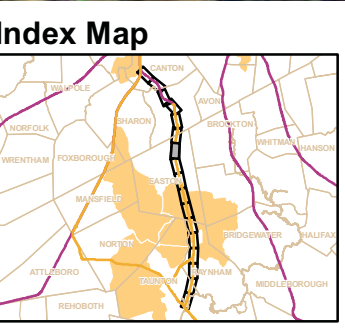
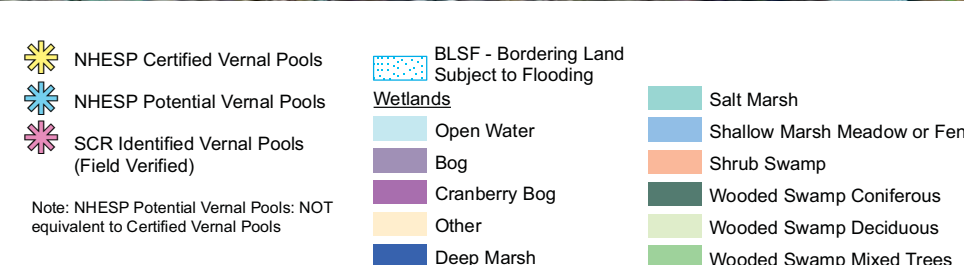
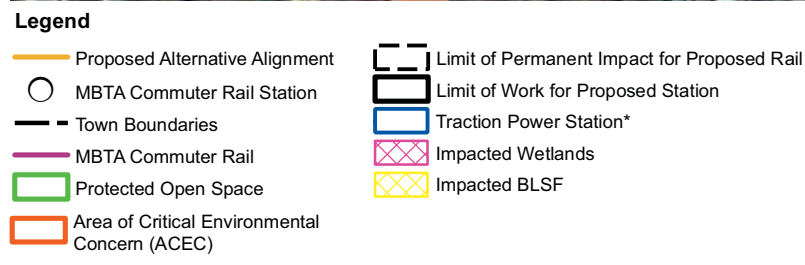
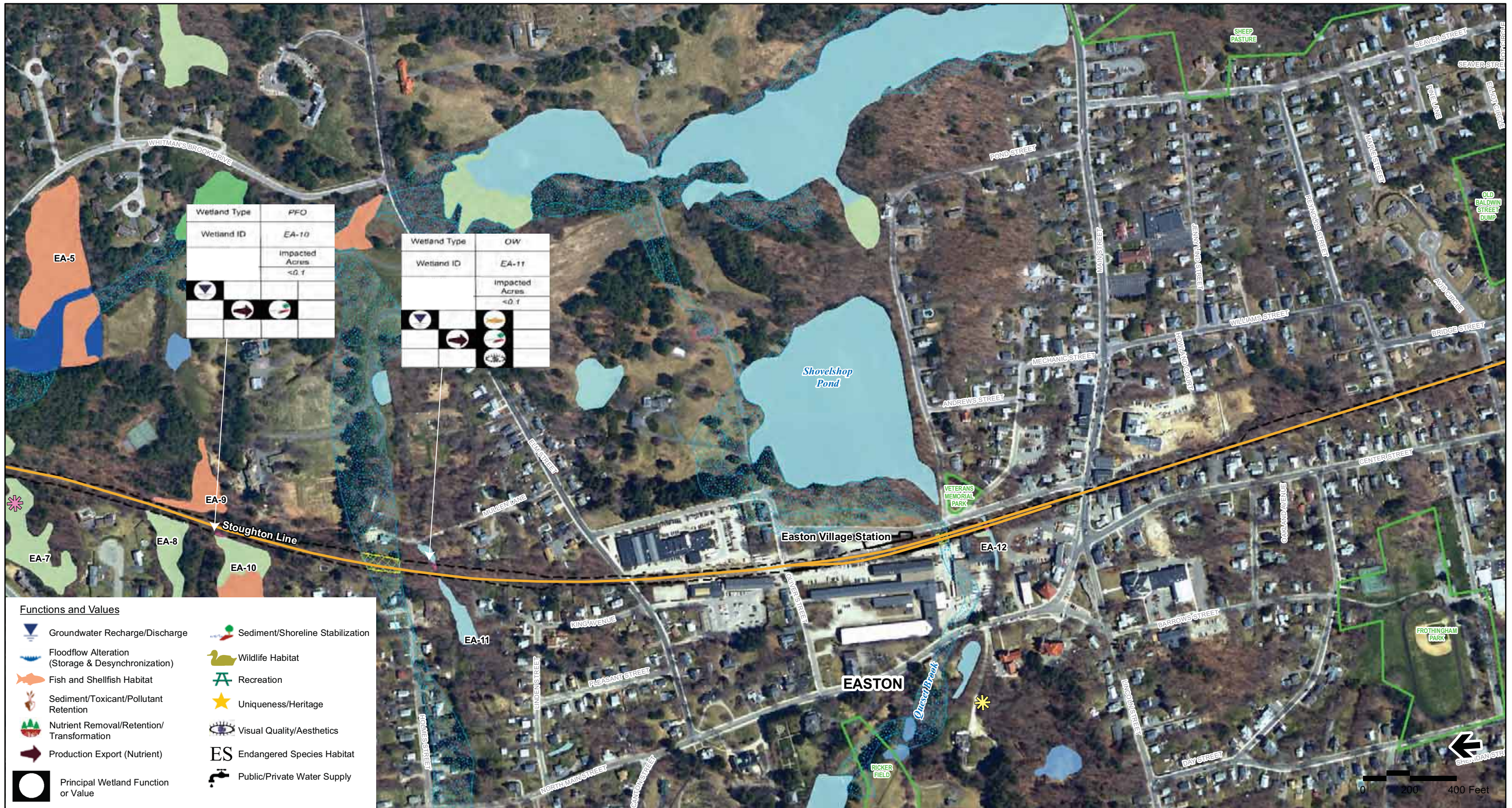
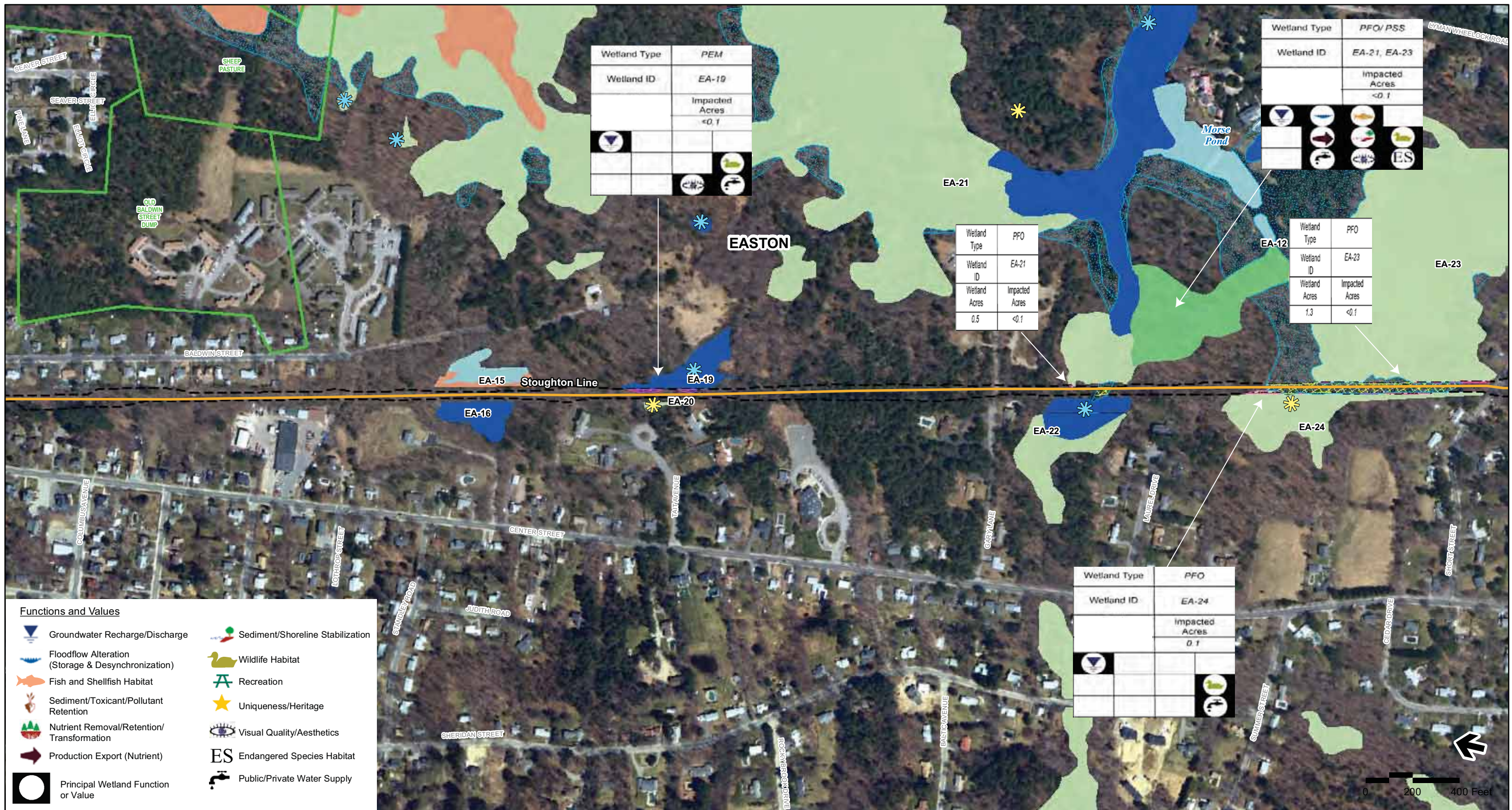


Figure 4.16-6g
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative



- Functions and Values**
- Groundwater Recharge/Discharge
 - Floodflow Alteration (Storage & Desynchronization)
 - Fish and Shellfish Habitat
 - Sediment/Toxicant/Pollutant Retention
 - Nutrient Removal/Retention/Transformation
 - Production Export (Nutrient)
 - Principal Wetland Function or Value
 - Sediment/Shoreline Stabilization
 - Wildlife Habitat
 - Recreation
 - Uniqueness/Heritage
 - Visual Quality/Aesthetics
 - ES Endangered Species Habitat
 - Public/Private Water Supply

- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - BLSF - Bordering Land Subject to Flooding
 - 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

* Traction power stations are only required for electric rail alternative

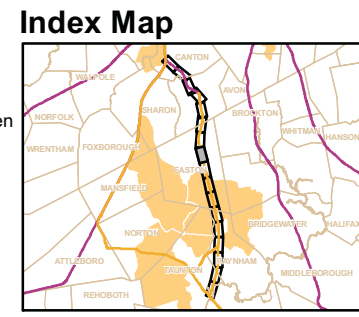


Figure 4.16-6h
Stoughton Alternatives - Stoughton Line



Wetland Type	PFO
Wetland ID	EA-25B
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	EA-27
Impacted Acres	<0.1

Wetland Type	PSS
Wetland ID	EA-26
Impacted Acres	<0.1

Wetland Type	PFO/PSS
Wetland ID	EA-104A
Impacted Acres	0.2

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools	Wetlands	
	SCR Identified Vernal Pools (Field Verified)		Open Water
Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools			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

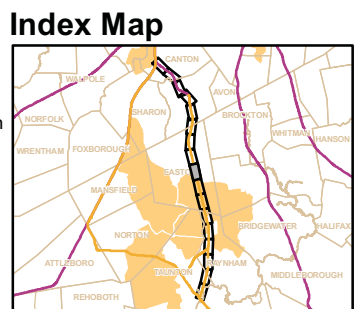
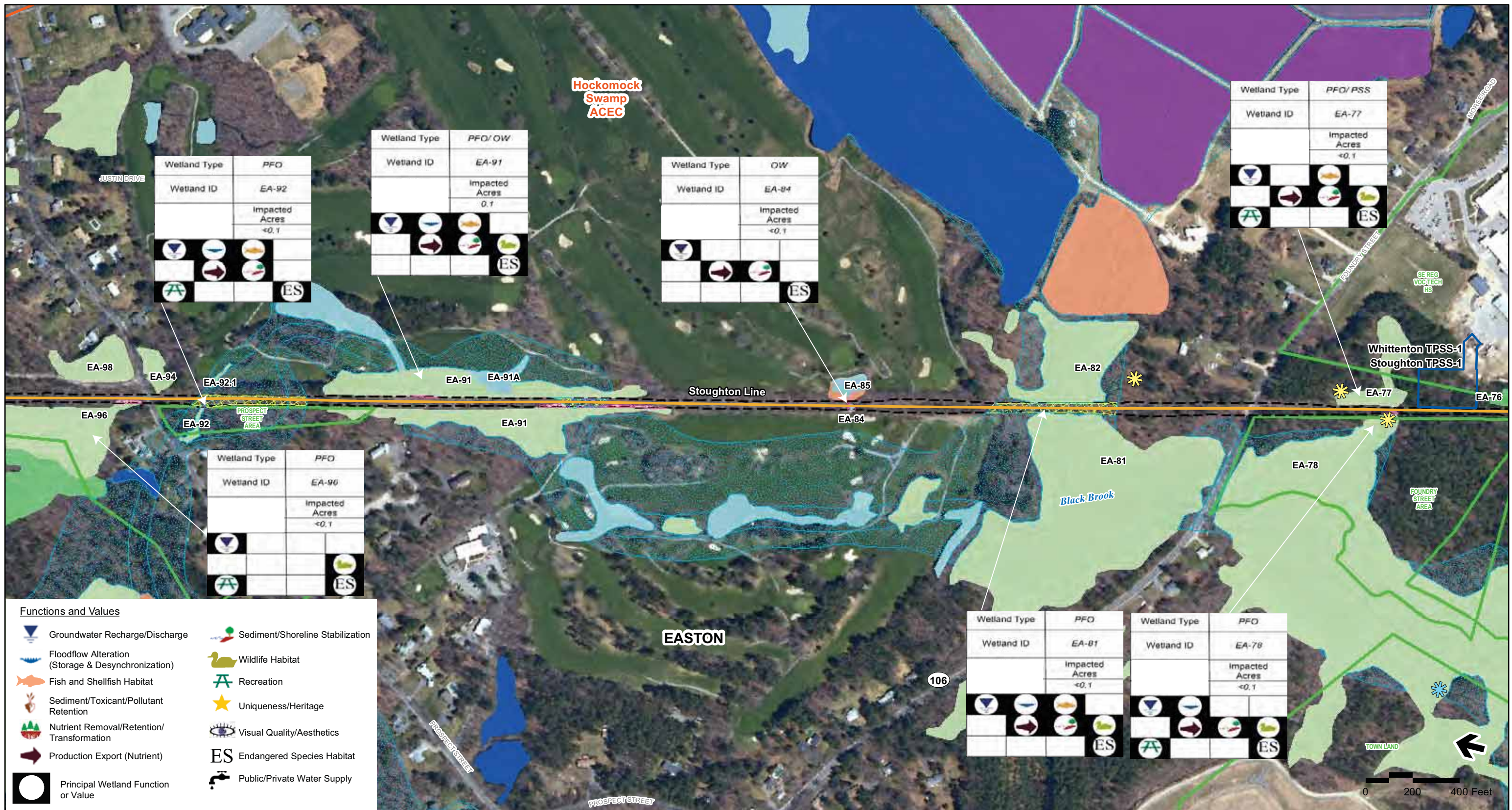


Figure 4.16-6i
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative



Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools	Wetlands	
	SCR Identified Vernal Pools (Field Verified)		Open Water
	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools		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

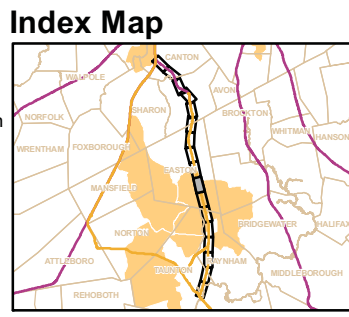


Figure 4.16-6j
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative

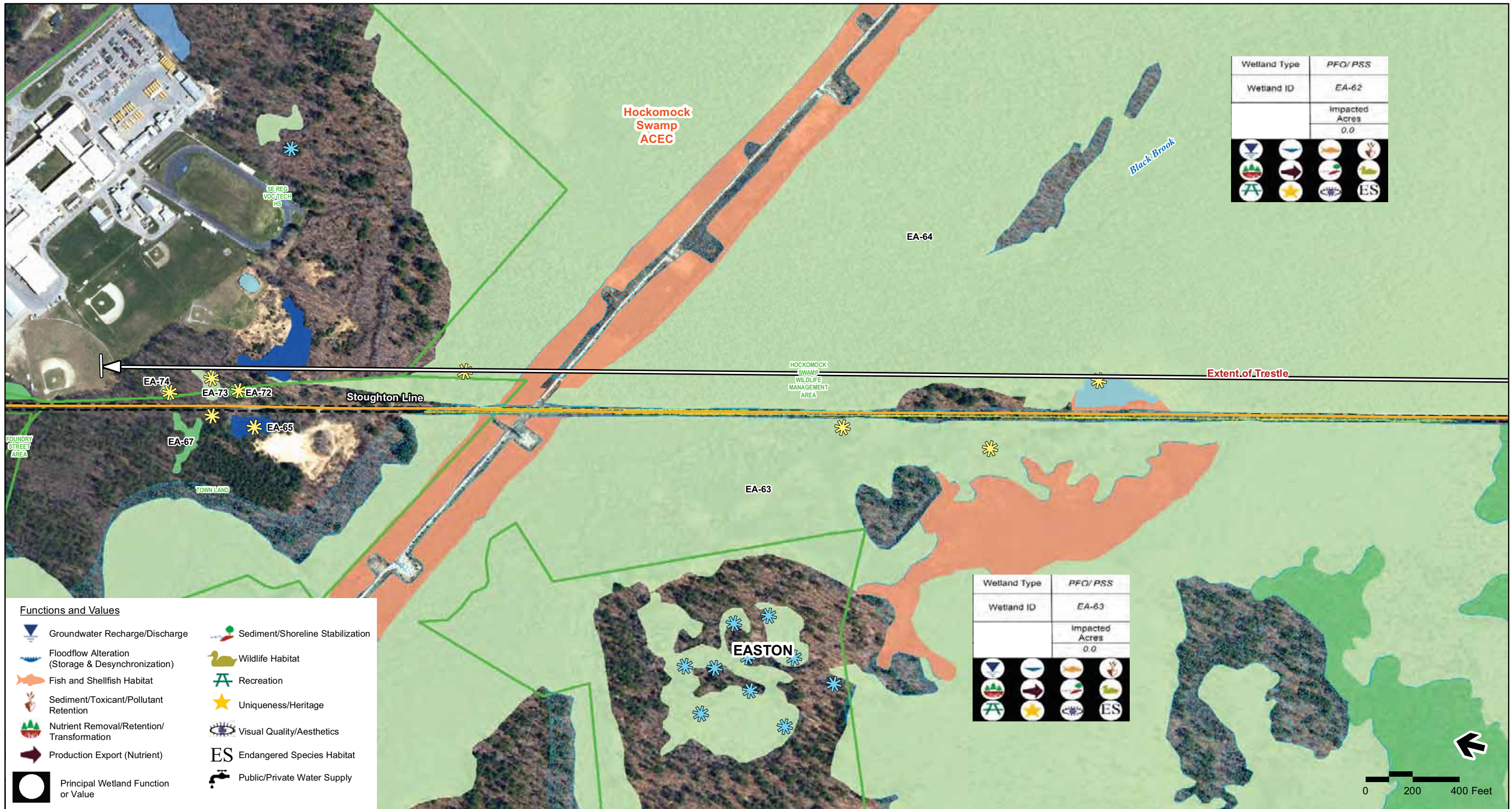


Figure 4.16-6k

Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative

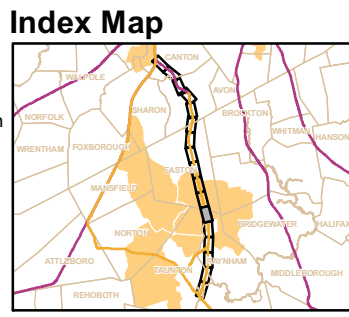
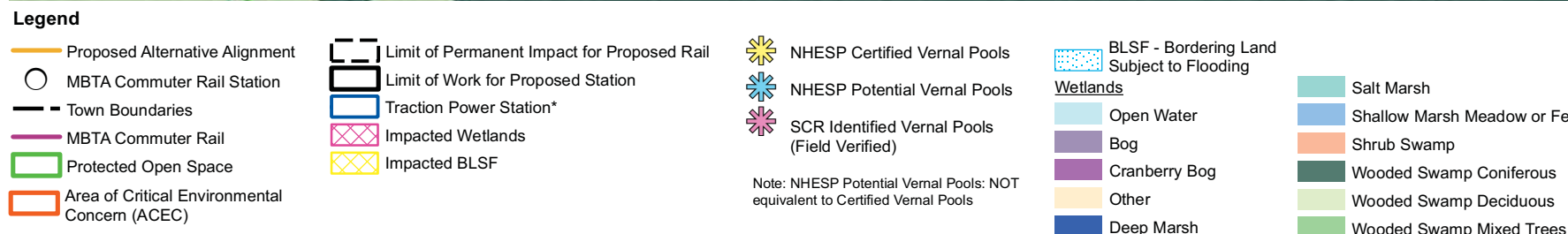
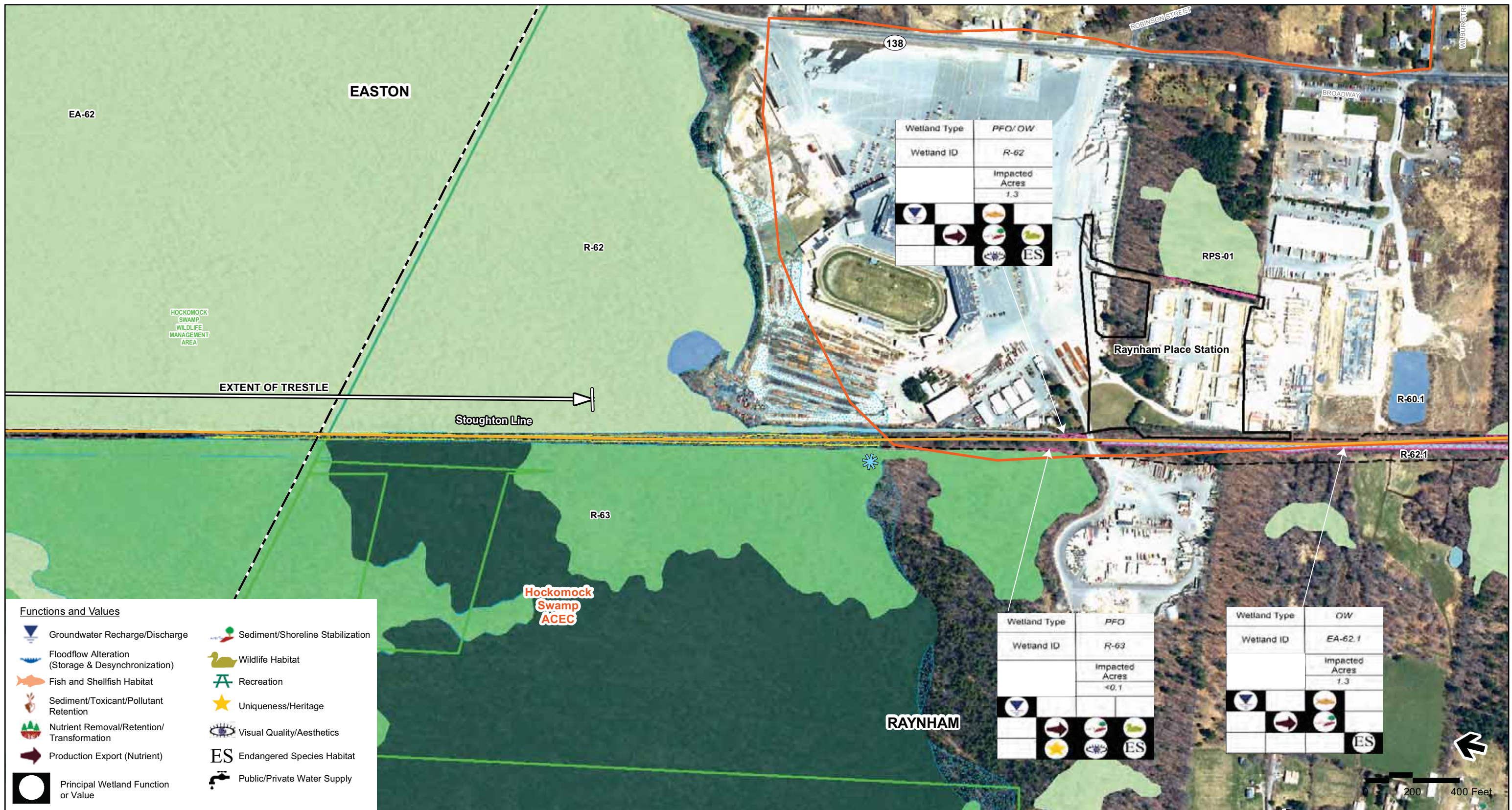
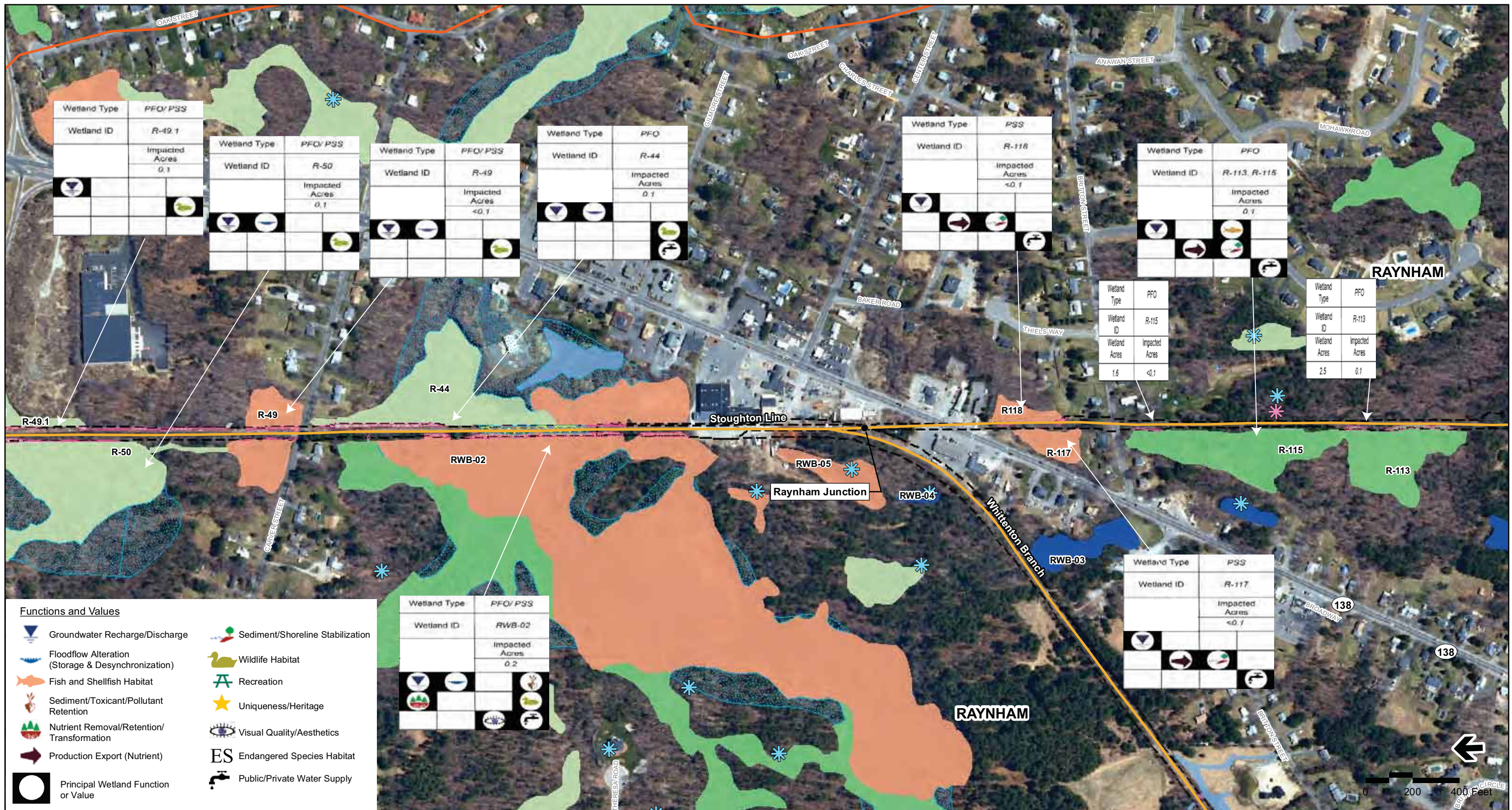


Figure 4.16-6I
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative



Functions and Values

- Groundwater Recharge/Discharge
- Floodflow Alteration (Storage & Desynchronization)
- Fish and Shellfish Habitat
- Sediment/Toxicant/Pollutant Retention
- Nutrient Removal/Retention/Transformation
- Production Export (Nutrient)
- Principal Wetland Function or Value
- Sediment/Shoreline Stabilization
- Wildlife Habitat
- Recreation
- Uniqueness/Heritage
- Visual Quality/Aesthetics
- ES Endangered Species Habitat
- Public/Private Water Supply

Legend

- Proposed Alternative Alignment
- MBTA Commuter Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Protected Open Space
- Area of Critical Environmental Concern (ACEC)
- Limit of Permanent Impact for Proposed Rail
- Limit of Work for Proposed Station
- Traction Power Station*
- Impacted Wetlands
- Impacted BLSF

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

Other Features:

- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- BLSF - Bordering Land Subject to Flooding

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

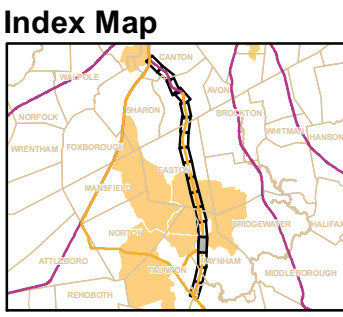


Figure 4.16-6n
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative



- Functions and Values**
- Groundwater Recharge/Discharge
 - Floodflow Alteration (Storage & Desynchronization)
 - Fish and Shellfish Habitat
 - Sediment/Toxicant/Pollutant Retention
 - Nutrient Removal/Retention/Transformation
 - Production Export (Nutrient)
 - Principal Wetland Function or Value
 - Sediment/Shoreline Stabilization
 - Wildlife Habitat
 - Recreation
 - Uniqueness/Heritage
 - Visual Quality/Aesthetics
 - Endangered Species Habitat
 - Public/Private Water Supply

- Legend**
- Proposed Alternative Alignment
 - MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rail
 - Limit of Work for Proposed Station
 - Traction Power Station*
 - Impacted Wetlands
 - Impacted BLSF
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - BLSF - Bordering Land Subject to Flooding
 - 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

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

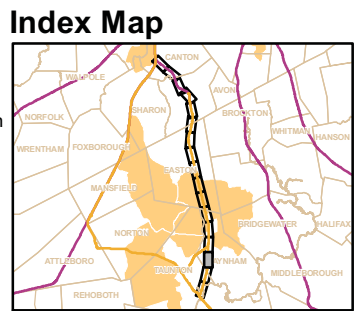


Figure 4.16-60
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative



Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

* Traction power stations are only required for electric rail alternative

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail		NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding		Salt Marsh
	MBTA Commuter Rail Station		Limit of Work for Proposed Station		NHESP Potential Vernal Pools		Wetlands		Shallow Marsh Meadow or Fen
	Town Boundaries		Traction Power Station*		SCR Identified Vernal Pools (Field Verified)		Open Water		Shrub Swamp
	MBTA Commuter Rail		Impacted Wetlands	<small>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</small>			Bog		Wooded Swamp Coniferous
	Protected Open Space		Impacted BLSF				Cranberry Bog		Wooded Swamp Deciduous
	Area of Critical Environmental Concern (ACEC)						Other		Wooded Swamp Mixed Trees
							Deep Marsh		

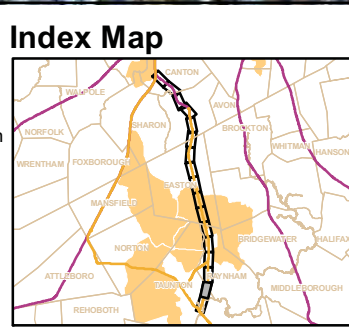
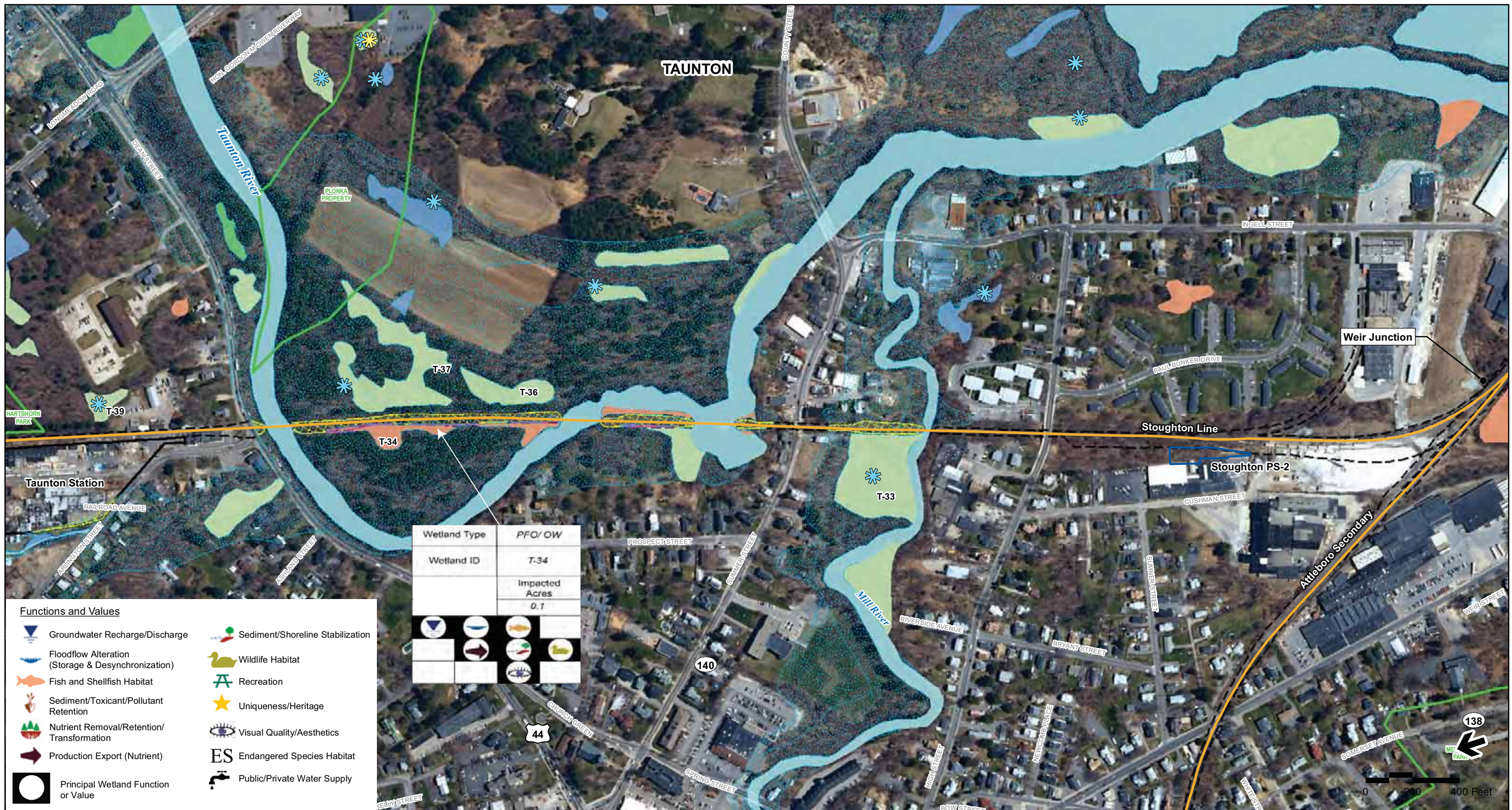


Figure 4.16-6p
Stoughton Alternatives - Stoughton Line



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

Proposed Alternative Alignment	Limit of Permanent Impact for Proposed Rail
MBTA Commuter Rail Station	Limit of Work for Proposed Station
Town Boundaries	Traction Power Station*
MBTA Commuter Rail	Impacted Wetlands
Protected Open Space	Impacted BLSF
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Wetlands
SCR Identified Vernal Pools (Field Verified)	Open Water
Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools	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

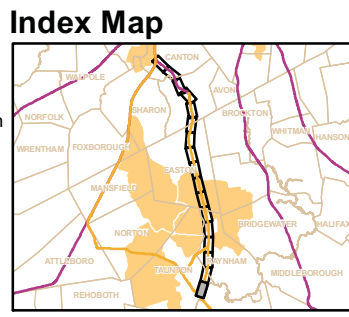


Figure 4.16-6q
Stoughton Alternatives - Stoughton Line

* Traction power stations are only required for electric rail alternative



Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding		Salt Marsh
	NHESP Potential Vernal Pools		Open Water		Shallow Marsh Meadow or Fen
	SCR Identified Vernal Pools (Field Verified)		Bog		Shrub Swamp
<p>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</p>			Cranberry Bog		Wooded Swamp Coniferous
			Other		Wooded Swamp Deciduous
			Deep Marsh		Wooded Swamp Mixed Trees

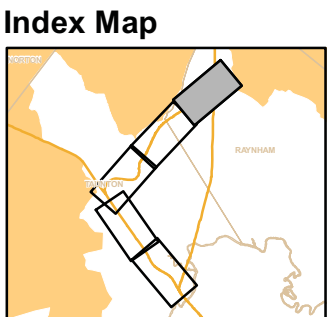
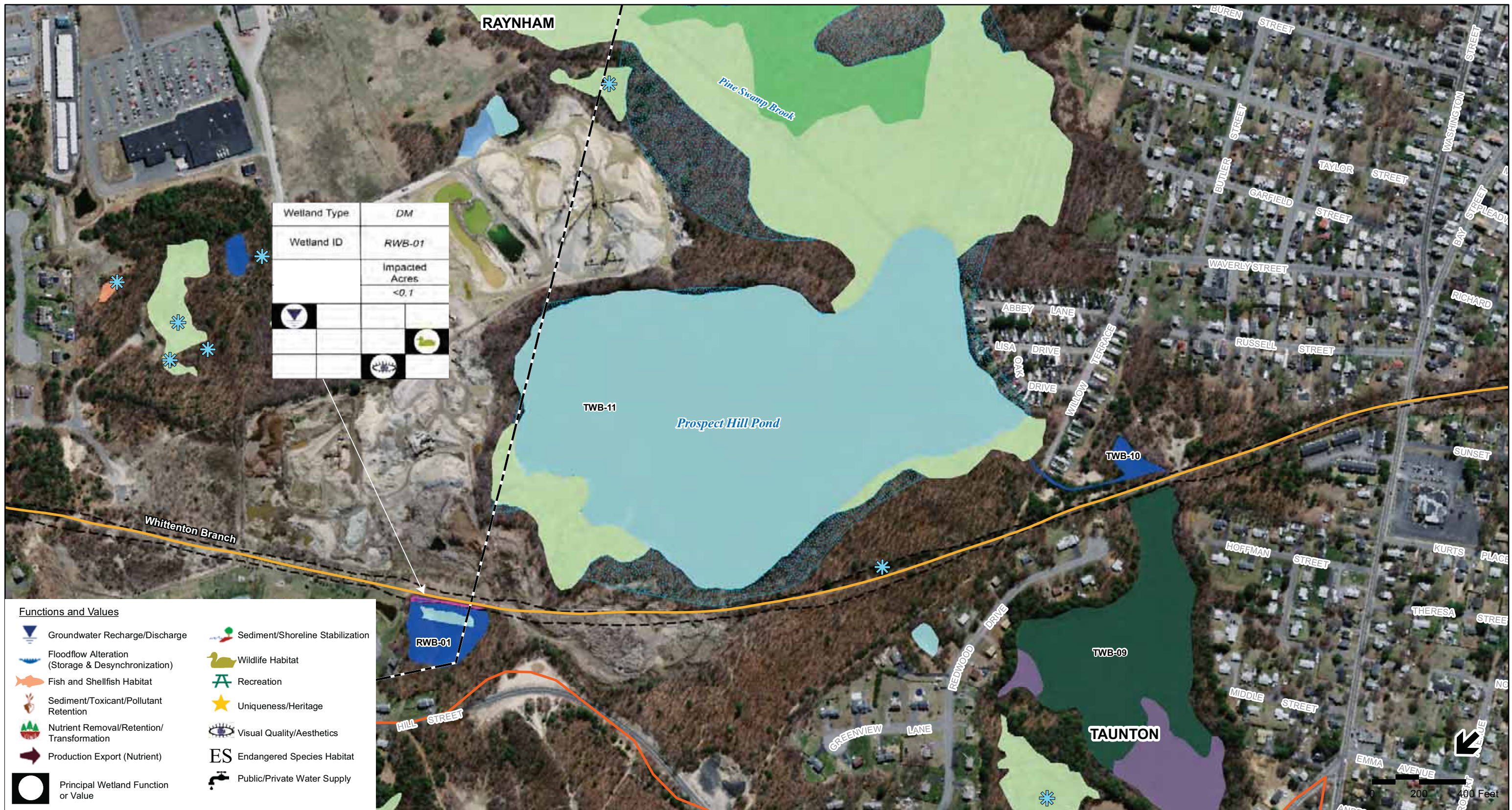


Figure 4.16-7a
Whittenton Alternatives - Whittenton Branch

* Traction power stations are only required for electric rail alternative



Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding		Salt Marsh
	NHESP Potential Vernal Pools		Open Water		Shallow Marsh Meadow or Fen
	SCR Identified Vernal Pools (Field Verified)		Bog		Shrub Swamp
	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools		Cranberry Bog		Wooded Swamp Coniferous
			Other		Wooded Swamp Deciduous
			Deep Marsh		Wooded Swamp Mixed Trees

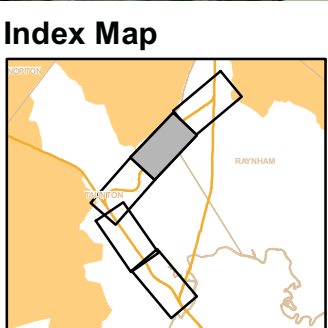
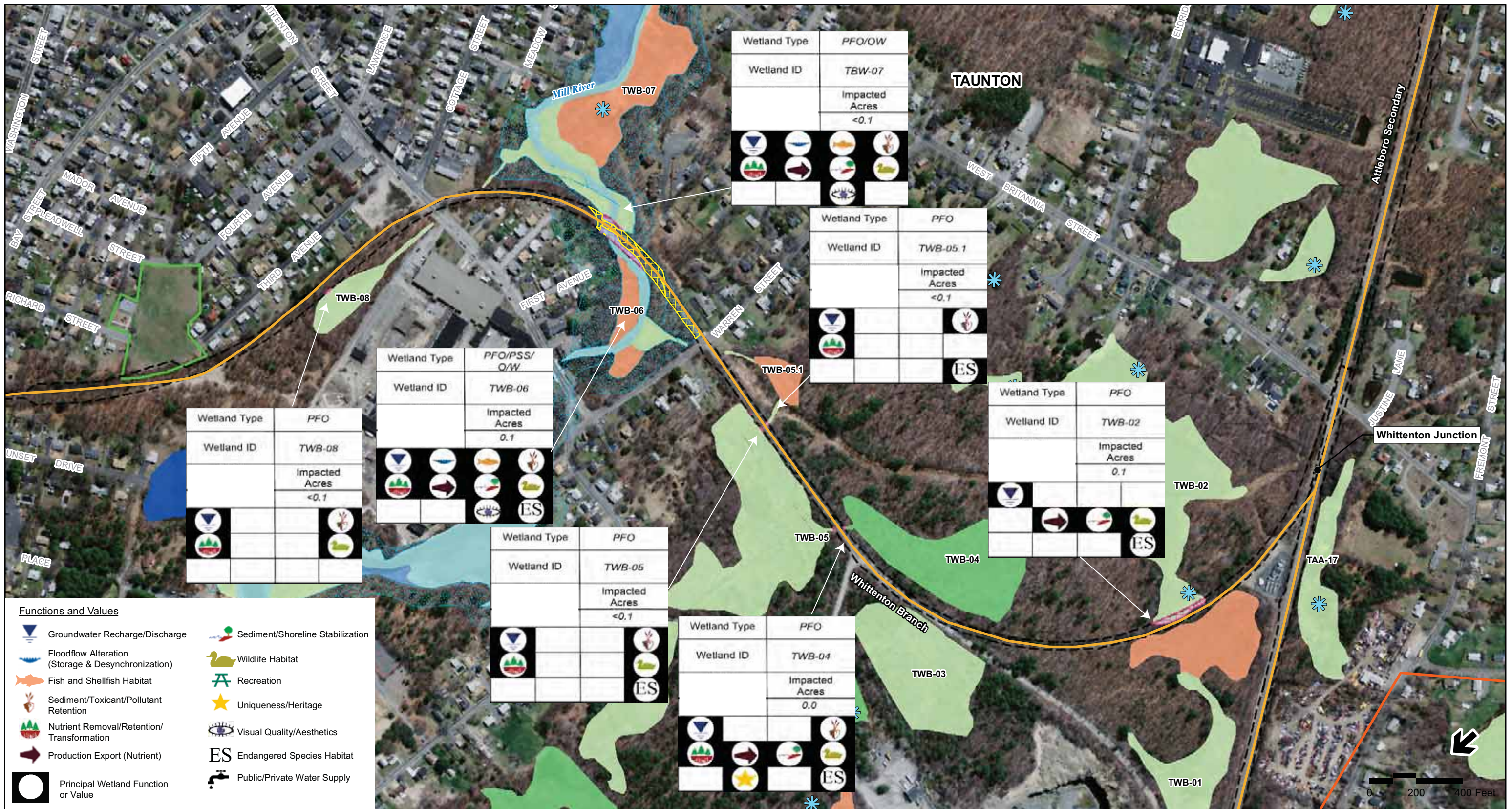


Figure 4.16-7b
Whittenton Alternatives - Whittenton Branch

* Traction power stations are only required for electric rail alternative



Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	Proposed Alternative Alignment		Limit of Permanent Impact for Proposed Rail
	MBTA Commuter Rail Station		Limit of Work for Proposed Station
	Town Boundaries		Traction Power Station*
	MBTA Commuter Rail		Impacted Wetlands
	Protected Open Space		Impacted BLSF
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools	Wetlands	
	SCR Identified Vernal Pools (Field Verified)		Open Water
	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools		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

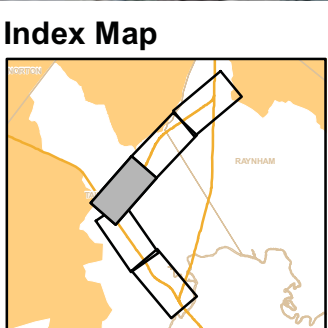


Figure 4.16-7c
Whittenton Alternatives - Whittenton Branch

* Traction power stations are only required for electric rail alternative

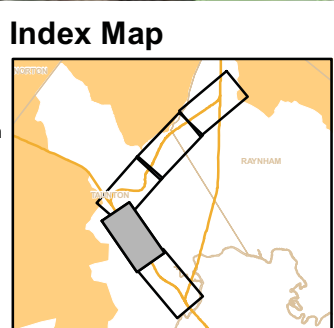
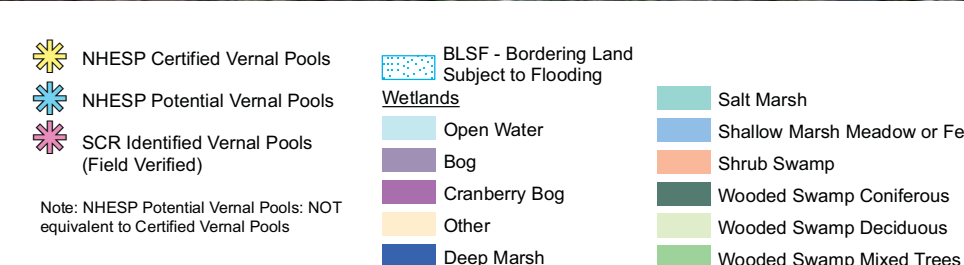
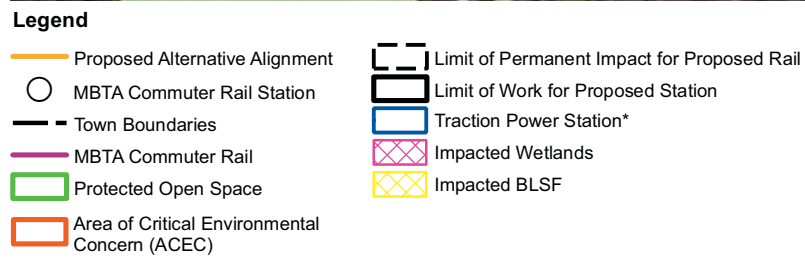
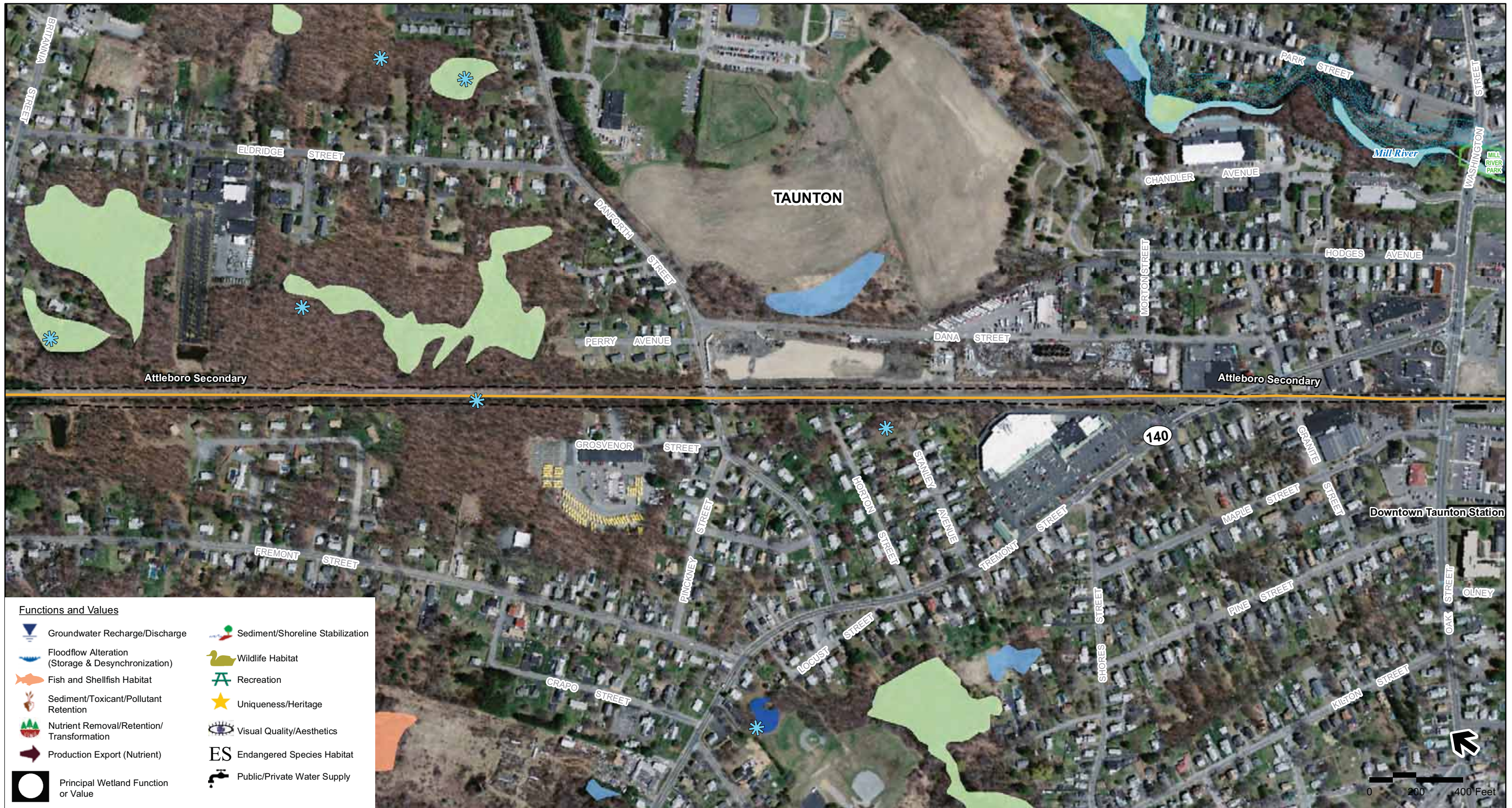
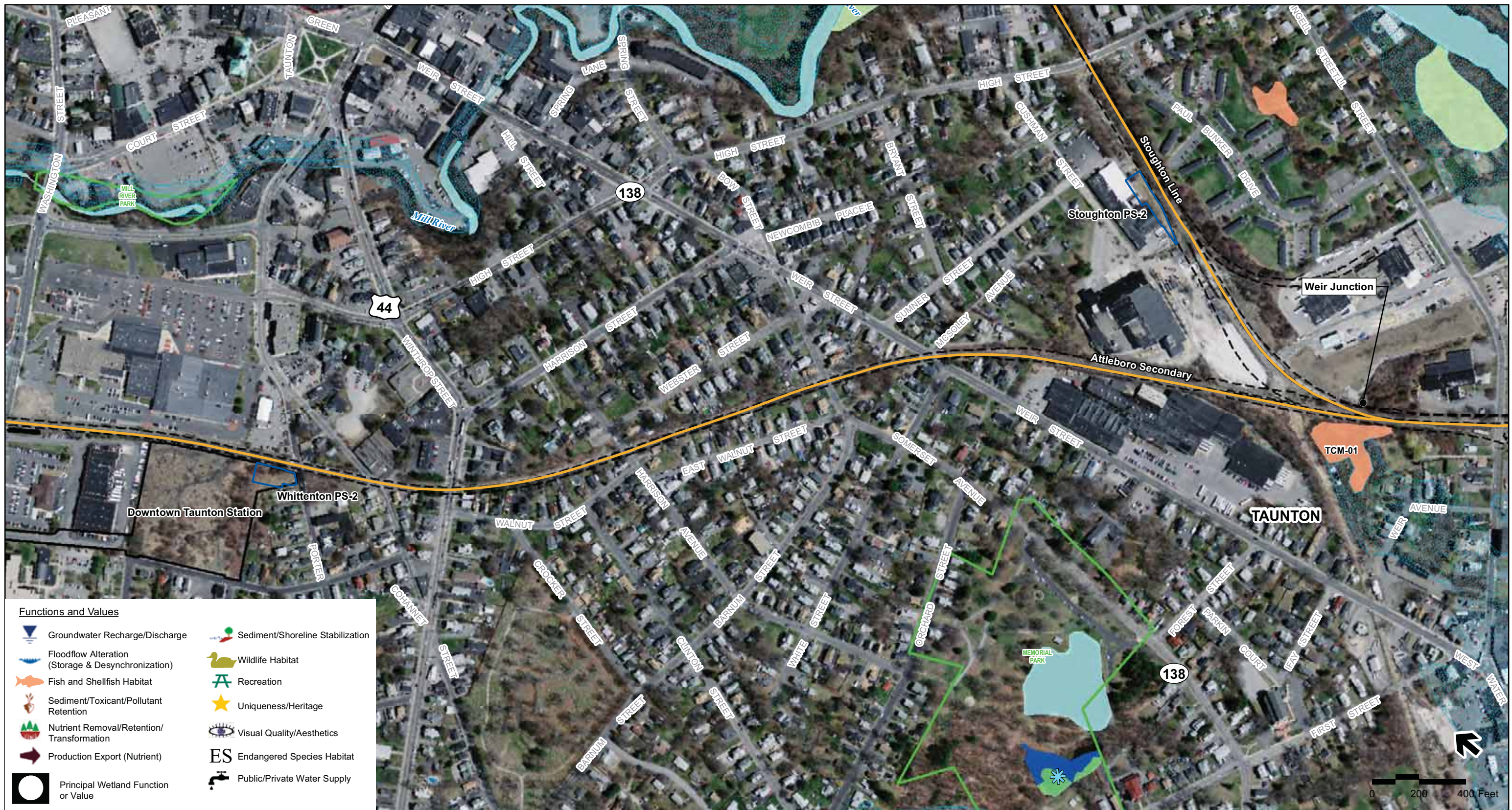


Figure 4.16-7d
Whittenton Alternatives - Whittenton Branch

* Traction power stations are only required for electric rail alternative



Functions and Values	
	Groundwater Recharge/Discharge
	Floodflow Alteration (Storage & Desynchronization)
	Fish and Shellfish Habitat
	Sediment/Toxicant/Pollutant Retention
	Nutrient Removal/Retention/Transformation
	Production Export (Nutrient)
	Principal Wetland Function or Value
	Sediment/Shoreline Stabilization
	Wildlife Habitat
	Recreation
	Uniqueness/Heritage
	Visual Quality/Aesthetics
	ES Endangered Species Habitat
	Public/Private Water Supply

Legend	
	Proposed Alternative Alignment
	MBTA Commuter Rail Station
	Town Boundaries
	MBTA Commuter Rail
	Protected Open Space
	Area of Critical Environmental Concern (ACEC)
	Limit of Permanent Impact for Proposed Rail
	Limit of Work for Proposed Station
	Traction Power Station*
	Impacted Wetlands
	Impacted BLSF

	NHESP Certified Vernal Pools
	NHESP Potential Vernal Pools
	SCR Identified Vernal Pools (Field Verified)
Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools	
	BLSF - Bordering Land Subject to Flooding
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

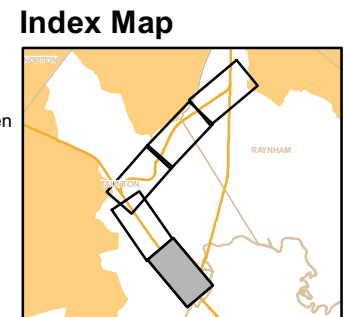
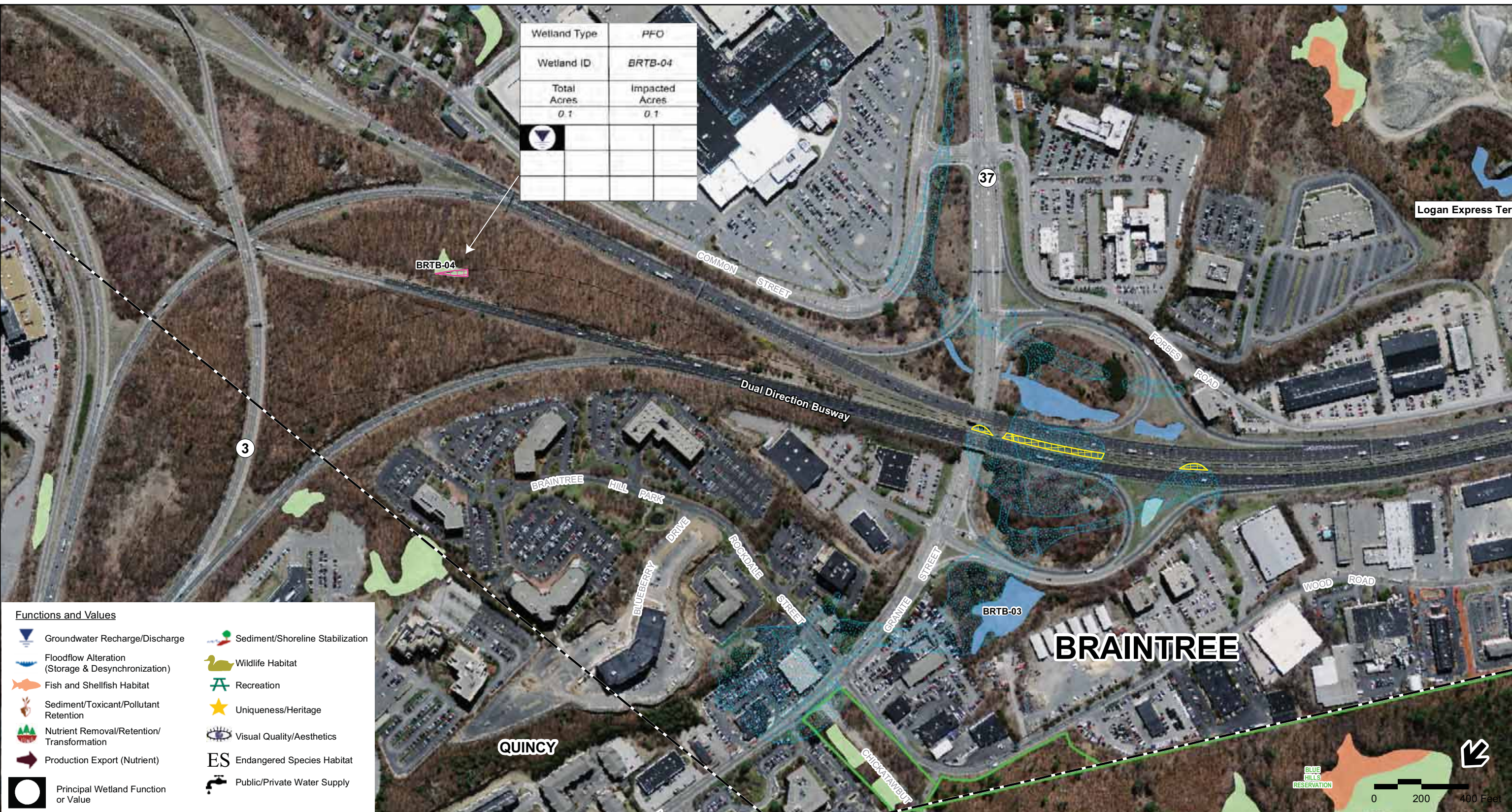


Figure 4.16-7e
Whittenton Alternatives - Whittenton Branch

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO
Wetland ID	BRTB-04
Total Acres	Impacted Acres
0.1	0.1

Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Public/Private Water Supply	
Principal Wetland Function or Value	

Legend

MBTA Commuter Rail Station	Limit of Permanent Impact for Proposed Rapid Bus Alternative	NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding	Salt Marsh
Town Boundaries	Impacted Wetlands	NHESP Potential Vernal Pools	Open Water	Shallow Marsh Meadow or Fen
MBTA Commuter Rail	Impacted BLSF	SCR Identified Vernal Pools (Field Verified)	Bog	Shrub Swamp
Protected Open Space			Cranberry Bog	Wooded Swamp Coniferous
Area of Critical Environmental Concern (ACEC)			Other	Wooded Swamp Deciduous
			Deep Marsh	Wooded Swamp Mixed Trees

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

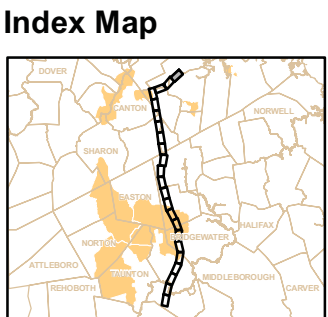


Figure 4.16-8a
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	ES Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

MBTA Commuter Rail Station	Limit of Permanent Impact for Proposed Rapid Bus Alternative
Town Boundaries	Impacted Wetlands
MBTA Commuter Rail	Impacted BLSF
Protected Open Space	
Area of Critical Environmental Concern (ACEC)	

Wetlands

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Open Water
SCR Identified Vernal Pools (Field Verified)	Bog
<small>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</small>	Cranberry Bog
	Other
	Deep Marsh

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

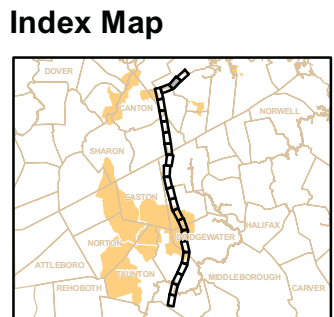
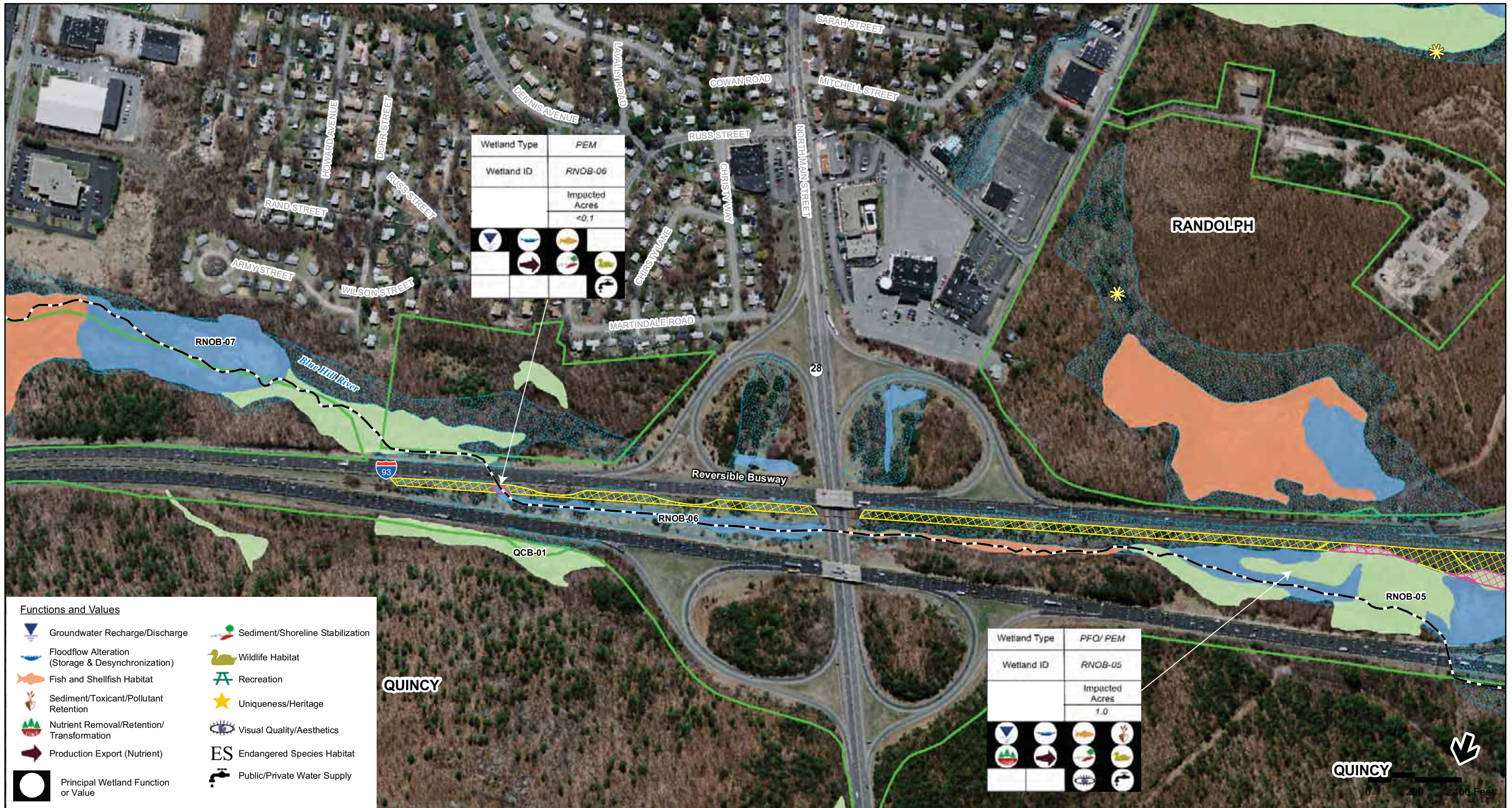


Figure 4.16-8b
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



* Traction power stations are only required for electric rail alternative

Index Map

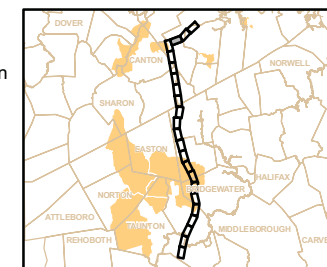
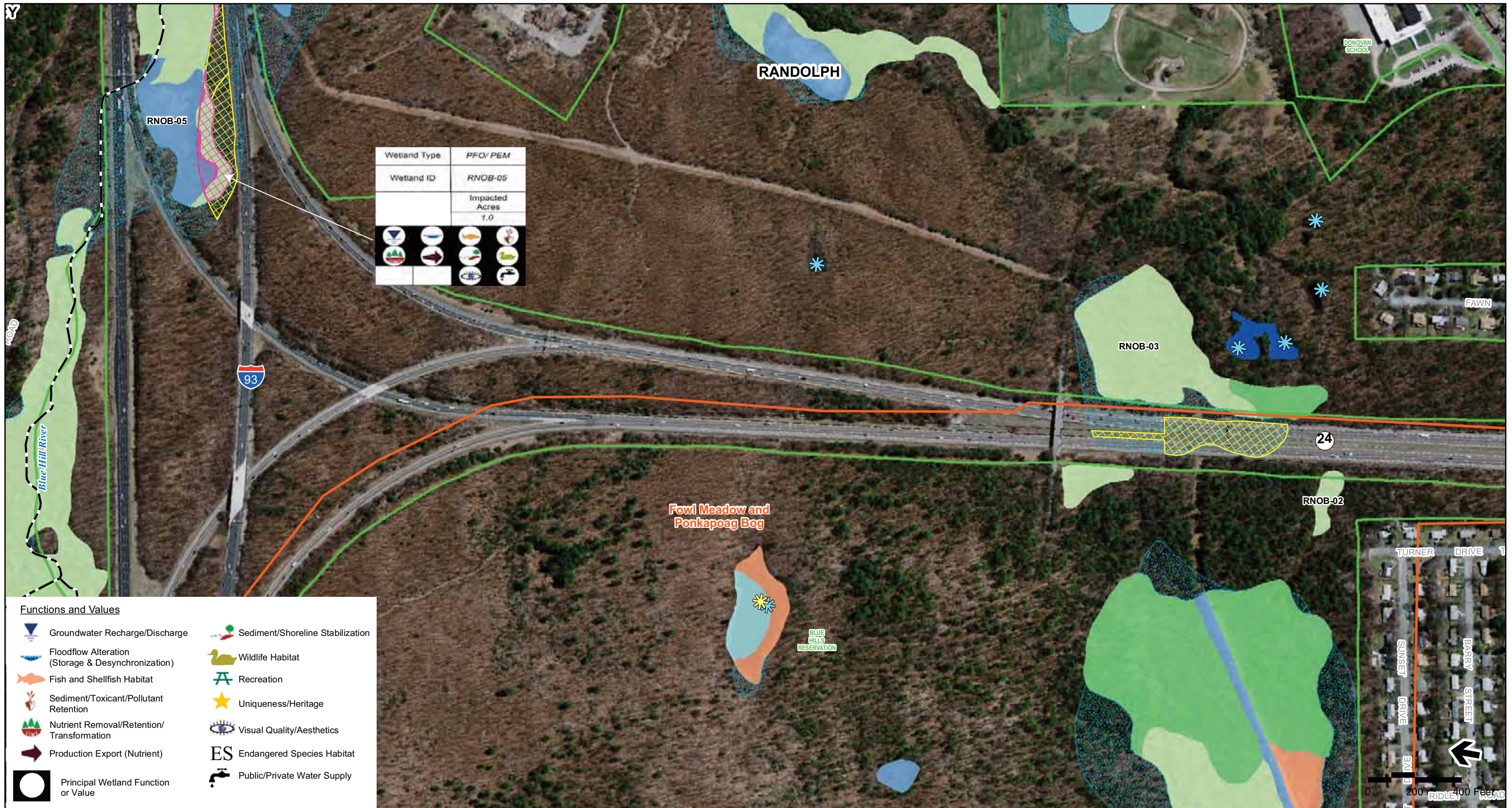


Figure 4.16-8c
 Rapid Bus Alternative



* Traction power stations are only required for electric rail alternative

Index Map

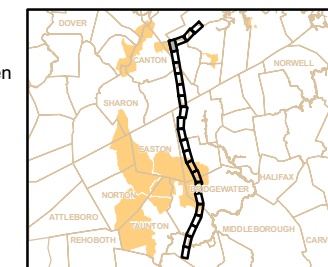


Figure 4.16-8d
Rapid Bus Alternative



* Traction power stations are only required for electric rail alternative

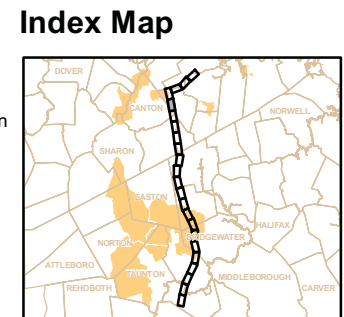


Figure 4.16-8e
Rapid Bus Alternative



Wetland Type	PFO
Wetland ID	STOB-07
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	STOB-07.1
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	STOB-06
Impacted Acres	0.6

Wetland Type	PEM
Wetland ID	STOB-05
Impacted Acres	0.1

- Functions and Values**
- Groundwater Recharge/Discharge
 - Floodflow Alteration (Storage & Desynchronization)
 - Fish and Shellfish Habitat
 - Sediment/Toxicant/Pollutant Retention
 - Nutrient Removal/Retention/Transformation
 - Production Export (Nutrient)
 - Principal Wetland Function or Value
 - Sediment/Shoreline Stabilization
 - Wildlife Habitat
 - Recreation
 - Uniqueness/Heritage
 - Visual Quality/Aesthetics
 - Endangered Species Habitat (ES)
 - Public/Private Water Supply

- Legend**
- MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - Protected Open Space
 - Area of Critical Environmental Concern (ACEC)
 - Limit of Permanent Impact for Proposed Rapid Bus Alternative
 - Impacted Wetlands
 - Impacted BLSF
 - NHESP Certified Vernal Pools
 - NHESP Potential Vernal Pools
 - SCR Identified Vernal Pools (Field Verified)
 - BLSF - Bordering Land Subject to Flooding
 - Wetlands: Open Water, Bog, Cranberry Bog, Other, Deep Marsh
 - Salt Marsh
 - Shrub Swamp
 - Wooded Swamp Coniferous
 - Wooded Swamp Deciduous
 - Wooded Swamp Mixed Trees

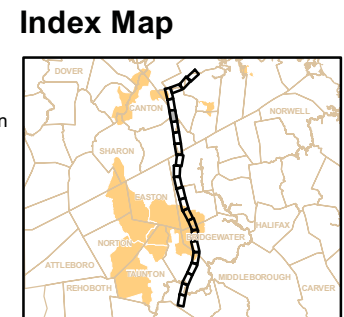


Figure 4.16-8f
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



- Legend**
- MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - ▭ Protected Open Space
 - ▭ Area of Critical Environmental Concern (ACEC)
 - ▭ Limit of Permanent Impact for Proposed Rapid Bus Alternative
 - ▭ Impacted Wetlands
 - ▭ Impacted BLSF

- ☀ NHESP Certified Vernal Pools
- ☀ NHESP Potential Vernal Pools
- ☀ SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- ▭ BLSF - Bordering Land Subject to Flooding
- ▭ 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

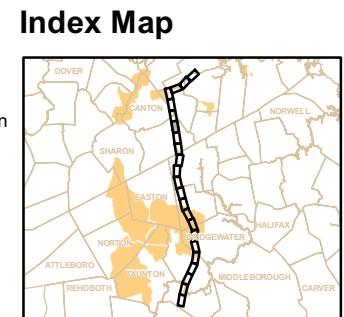
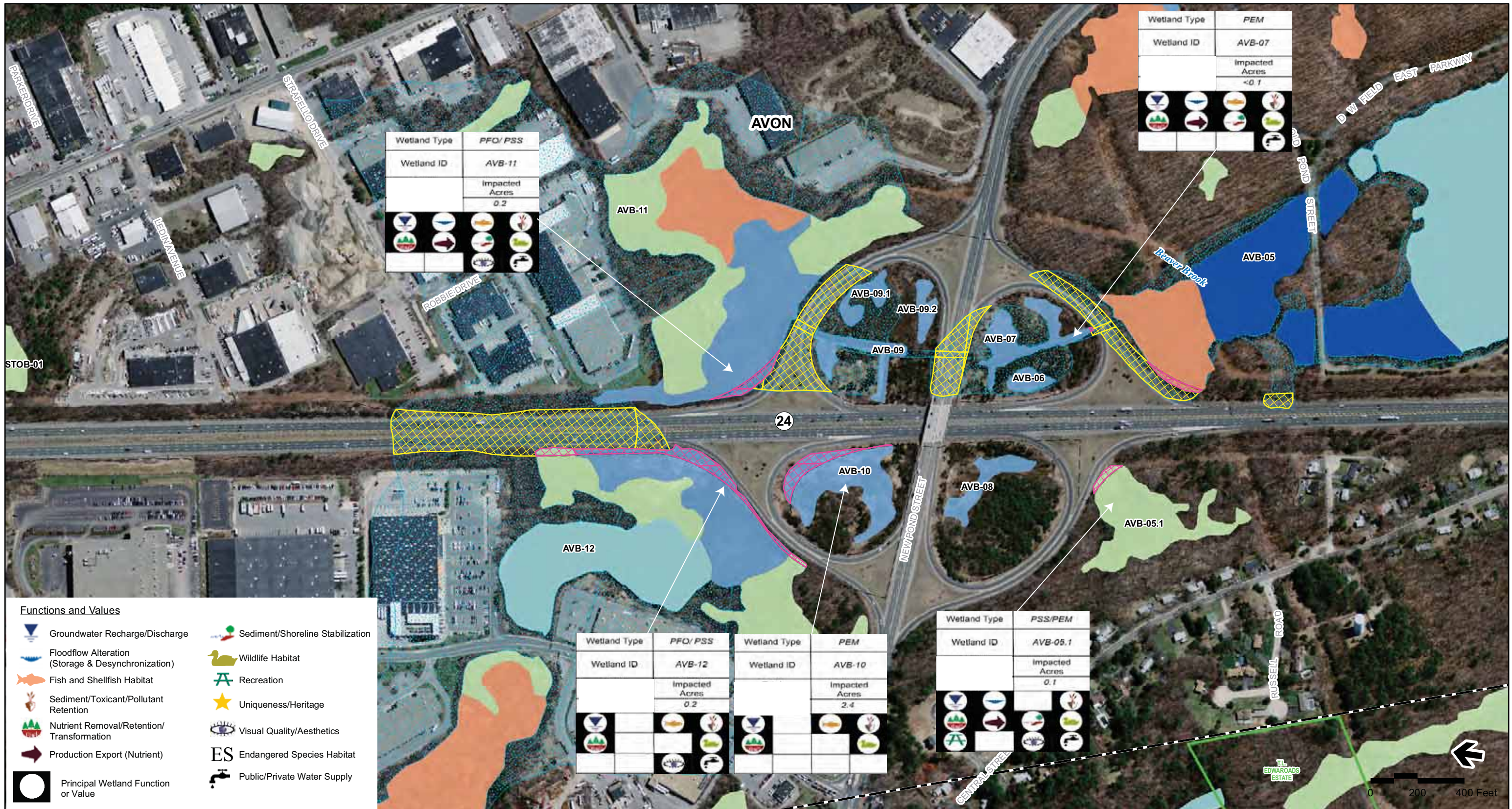


Figure 4.16-8g
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



* Traction power stations are only required for electric rail alternative

Index Map

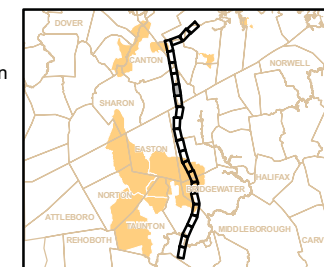
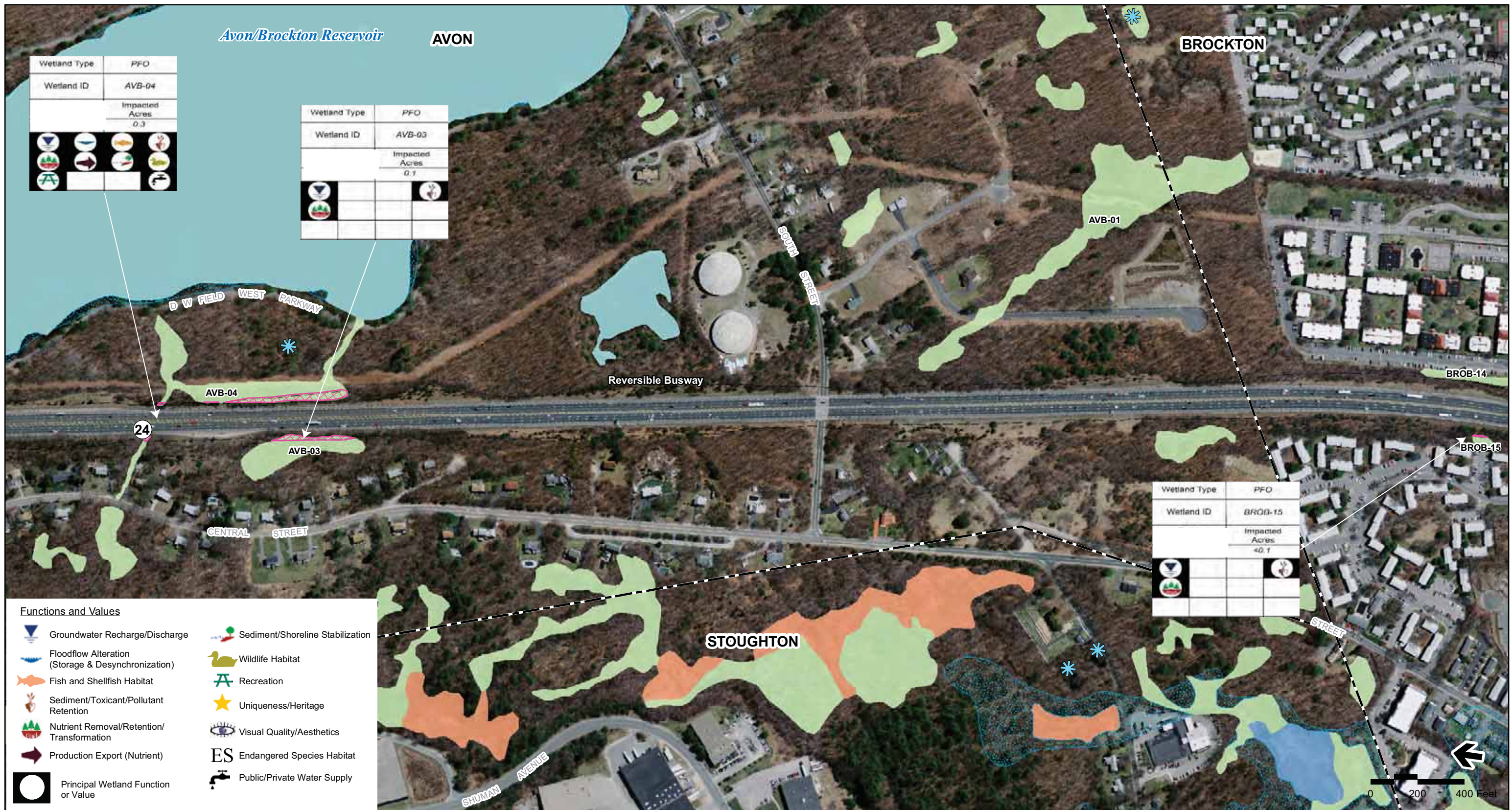


Figure 4.16-8h
 Rapid Bus Alternative



- Legend**
- MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - ▭ Protected Open Space
 - ▭ Area of Critical Environmental Concern (ACEC)
 - ▭ Limit of Permanent Impact for Proposed Rapid Bus Alternative
 - ▭ Impacted Wetlands
 - ▭ Impacted BLSF

- ☀ NHESP Certified Vernal Pools
- ☀ NHESP Potential Vernal Pools
- ☀ SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- ▭ BLSF - Bordering Land Subject to Flooding
- ▭ 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

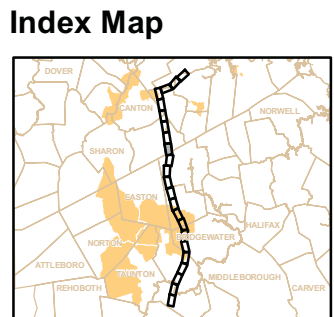
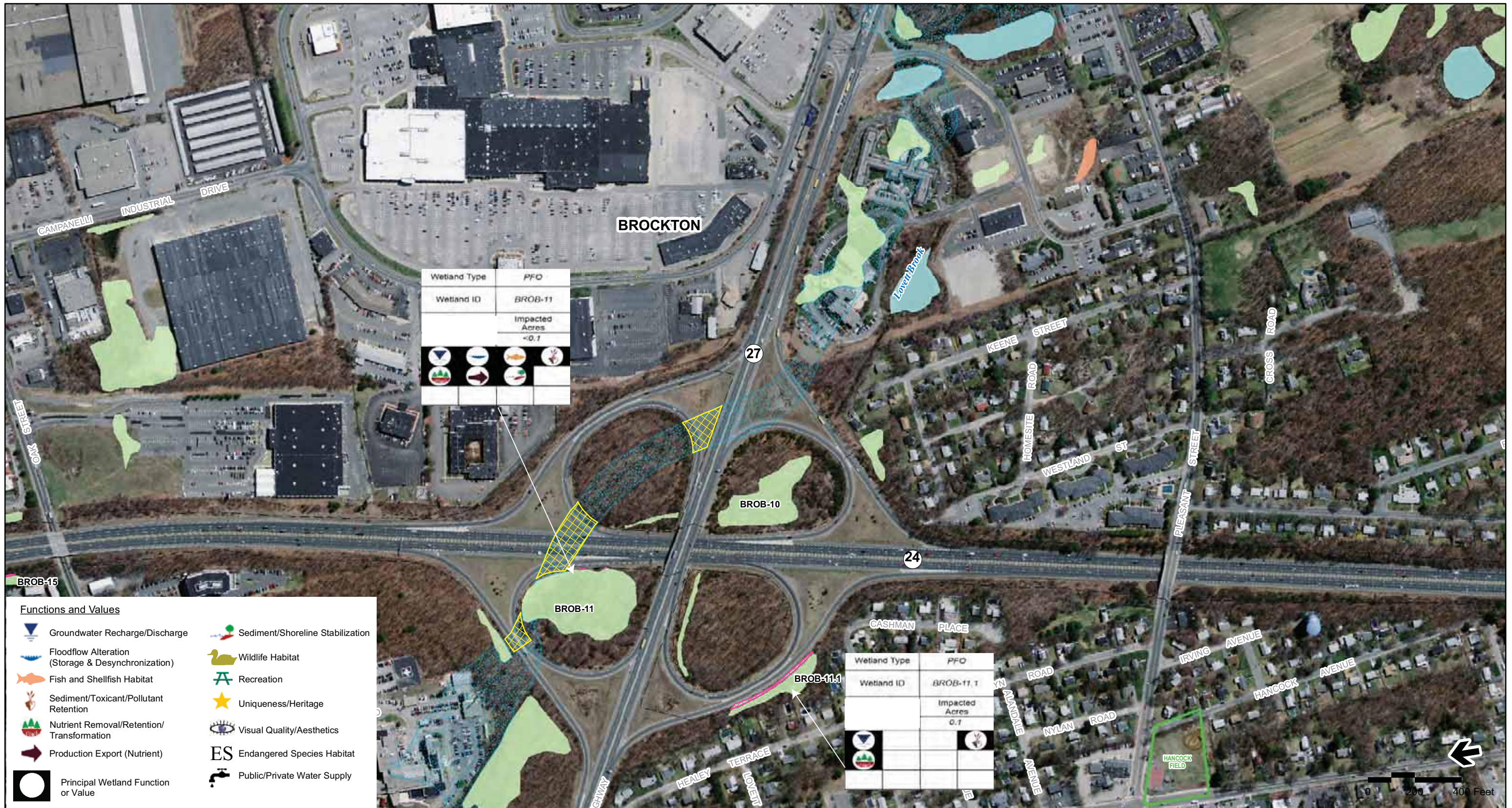


Figure 4.16-8i
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO
Wetland ID	BROB-11
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	BROB-11, T
Impacted Acres	0.1

Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	ES Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

MBTA Commuter Rail Station	Limit of Permanent Impact for Proposed Rapid Bus Alternative	NHESP Certified Vernal Pools	BLSF - Boring Land Subject to Flooding	Salt Marsh
Town Boundaries	Impacted Wetlands	NHESP Potential Vernal Pools	Open Water	Shallow Marsh Meadow or Fen
MBTA Commuter Rail	Impacted BLSF	SCR Identified Vernal Pools (Field Verified)	Bog	Shrub Swamp
Protected Open Space			Cranberry Bog	Wooded Swamp Coniferous
Area of Critical Environmental Concern (ACEC)			Other	Wooded Swamp Deciduous
			Deep Marsh	Wooded Swamp Mixed Trees

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

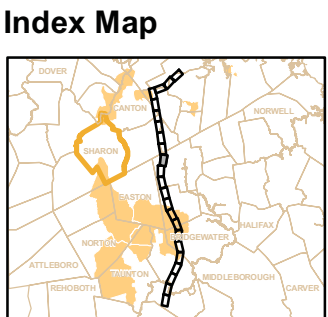
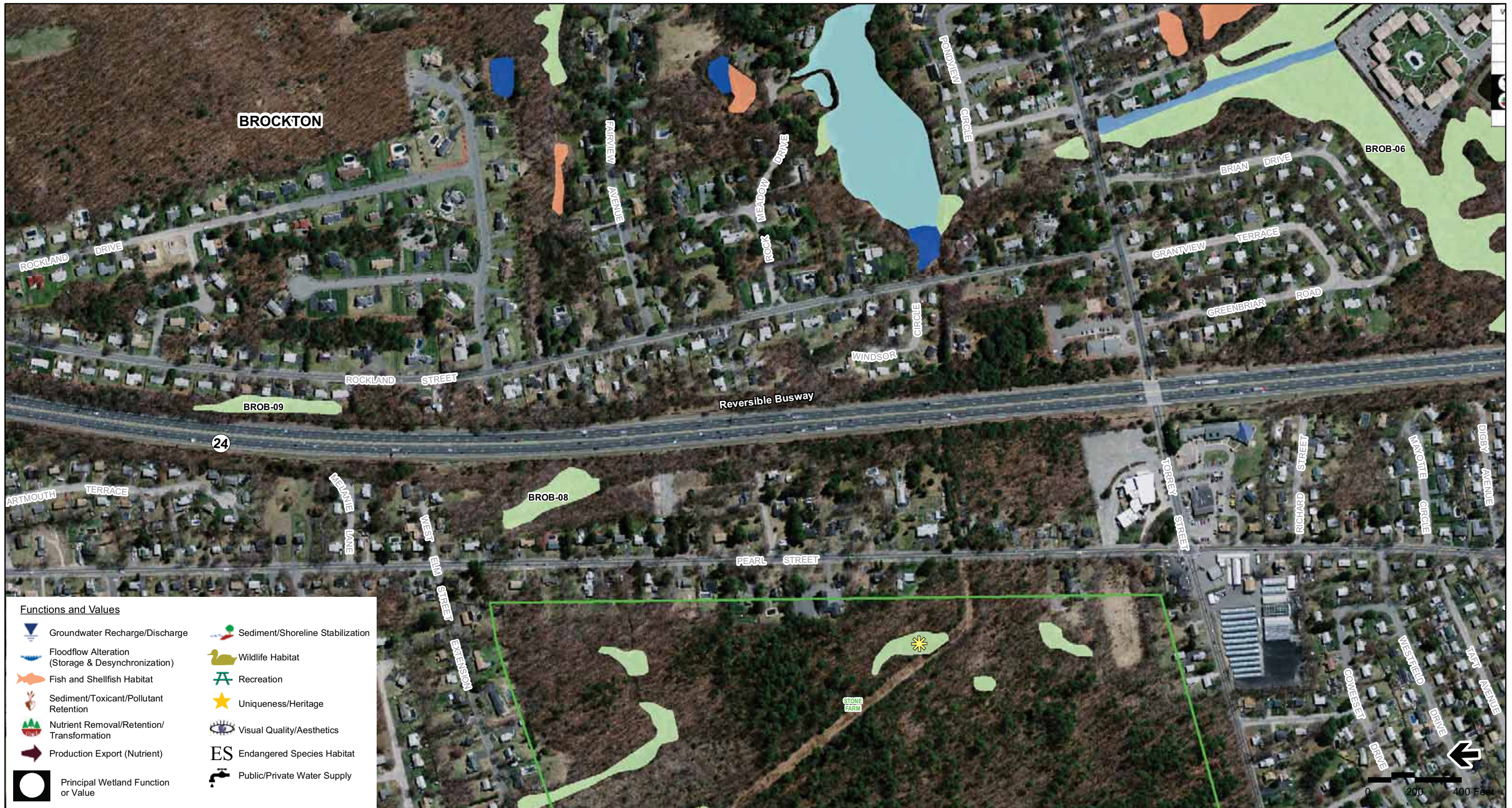


Figure 4.16-8j
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Public/Private Water Supply	
Principal Wetland Function or Value	

Legend

MBTA Commuter Rail Station	Limit of Permanent Impact for Proposed Rapid Bus Alternative
Town Boundaries	Impacted Wetlands
MBTA Commuter Rail	Impacted BLSF
Protected Open Space	
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding
NHESP Potential Vernal Pools	Wetlands
SCR Identified Vernal Pools (Field Verified)	Open Water
<small>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</small>	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

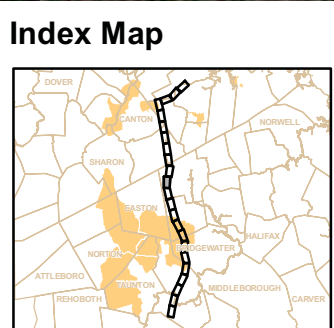


Figure 4.16-8k
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO	Wetland Type	PFO
Wetland ID	BROB-06	Wetland ID	BROB-07
Impacted Acres	0.2	Impacted Acres	0.3

Wetland Type	PFO/ PSS
Wetland ID	BROB-04
Impacted Acres	0.7

Wetland Type	PSS
Wetland ID	BROB-02.1
Impacted Acres	<0.1

Wetland Type	PEM
Wetland ID	BROB-05
Impacted Acres	0.2

Wetland Type	PSS/ PEM
Wetland ID	BROB-03
Impacted Acres	<0.1

Functions and Values

- Groundwater Recharge/Discharge
- Floodflow Alteration (Storage & Desynchronization)
- Fish and Shellfish Habitat
- Sediment/Toxicant/Pollutant Retention
- Nutrient Removal/Retention/Transformation
- Production Export (Nutrient)
- Principal Wetland Function or Value
- Sediment/Shoreline Stabilization
- Wildlife Habitat
- Recreation
- Uniqueness/Heritage
- Visual Quality/Aesthetics
- ES Endangered Species Habitat
- Public/Private Water Supply

Legend

- MBTA Commuter Rail Station
- Town Boundaries
- MBTA Commuter Rail
- Protected Open Space
- Area of Critical Environmental Concern (ACEC)
- Limit of Permanent Impact for Proposed Rapid Bus Alternative
- Impacted Wetlands
- Impacted BLSF
- NHESP Certified Vernal Pools
- NHESP Potential Vernal Pools
- SCR Identified Vernal Pools (Field Verified)
- BLSF - Bordering Land Subject to Flooding
- Wetlands: Open Water, Bog, Cranberry Bog, Other, Deep Marsh
- Salt Marsh, Shrub Swamp, Wooded Swamp Coniferous, Wooded Swamp Deciduous, Wooded Swamp Mixed Trees

* Traction power stations are only required for electric rail alternative

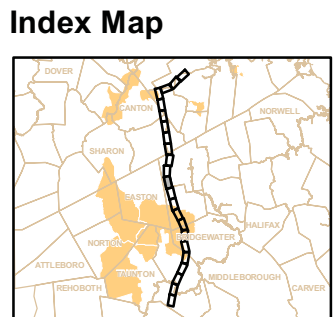
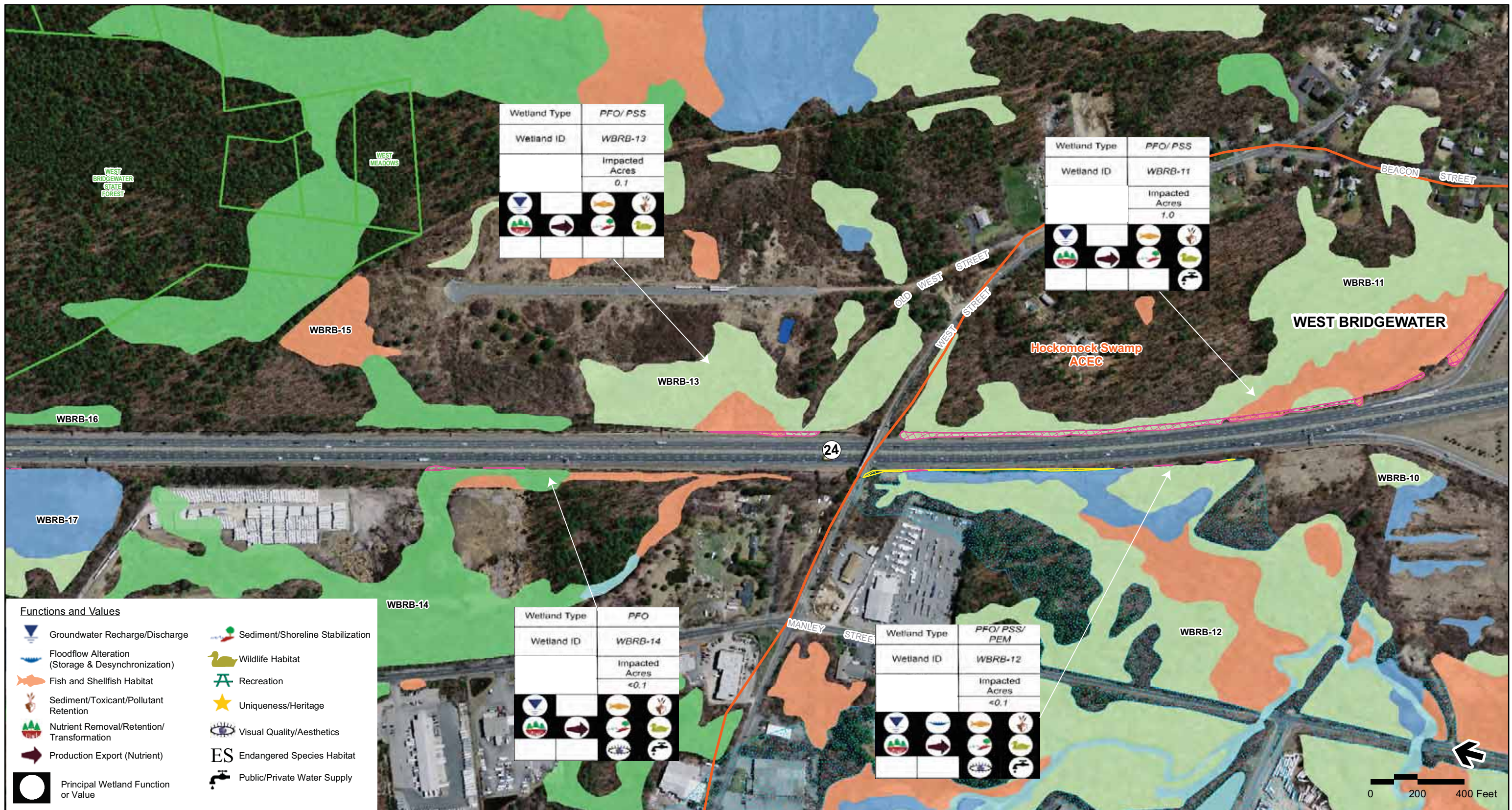


Figure 4.16-81
Rapid Bus Alternative





- Legend**
- MBTA Commuter Rail Station
 - Town Boundaries
 - MBTA Commuter Rail
 - ▭ Protected Open Space
 - ▭ Area of Critical Environmental Concern (ACEC)
 - ▭ Limit of Permanent Impact for Proposed Rapid Bus Alternative
 - ▭ Impacted Wetlands
 - ▭ Impacted BLSF

- ☀ NHESP Certified Vernal Pools
- ☀ NHESP Potential Vernal Pools
- ☀ SCR Identified Vernal Pools (Field Verified)
- Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools
- ▭ BLSF - Bordering Land Subject to Flooding
- ▭ 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

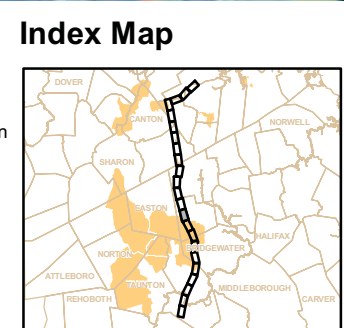
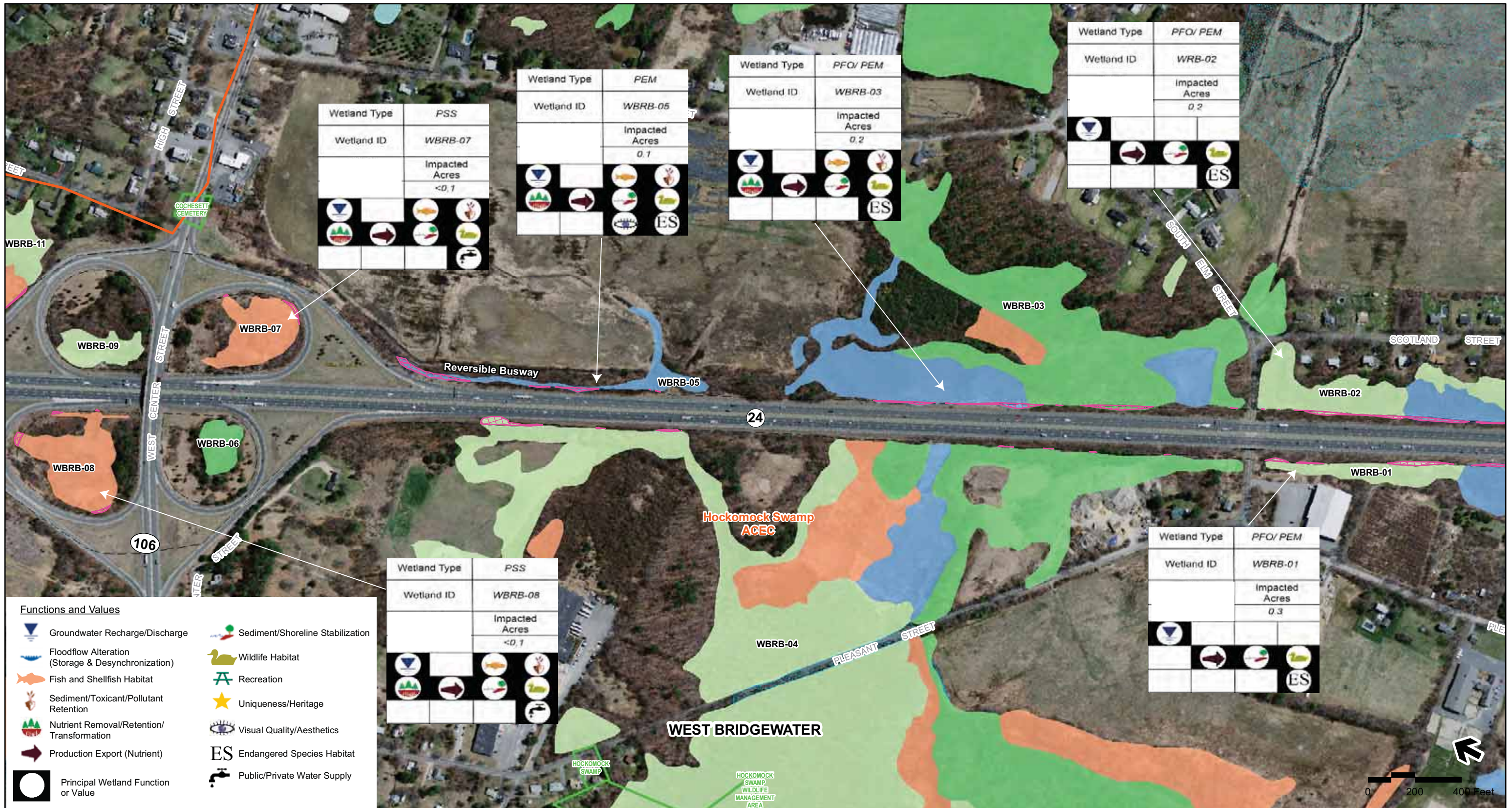


Figure 4.16-8n
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Legend

- MBTA Commuter Rail Station
- Town Boundaries
- MBTA Commuter Rail
- ▭ Protected Open Space
- ▭ Area of Critical Environmental Concern (ACEC)
- ▭ Limit of Permanent Impact for Proposed Rapid Bus Alternative
- ▭ Impacted Wetlands
- ▭ Impacted BLSF

Wetlands

- ☼ NHESP Certified Vernal Pools
- ☼ NHESP Potential Vernal Pools
- ☼ SCR Identified Vernal Pools (Field Verified)
- ☼ BLSF - Bordering Land Subject to Flooding
- ▭ Open Water
- ▭ Bog
- ▭ Cranberry Bog
- ▭ Other
- ▭ Deep Marsh
- ▭ Salt Marsh
- ▭ Shrub Swamp
- ▭ Wooded Swamp Coniferous
- ▭ Wooded Swamp Deciduous
- ▭ Wooded Swamp Mixed Trees

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

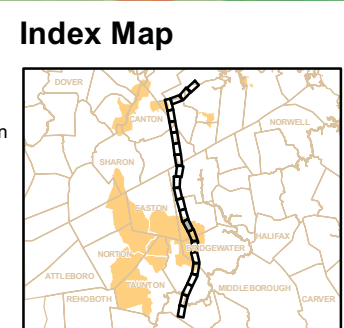
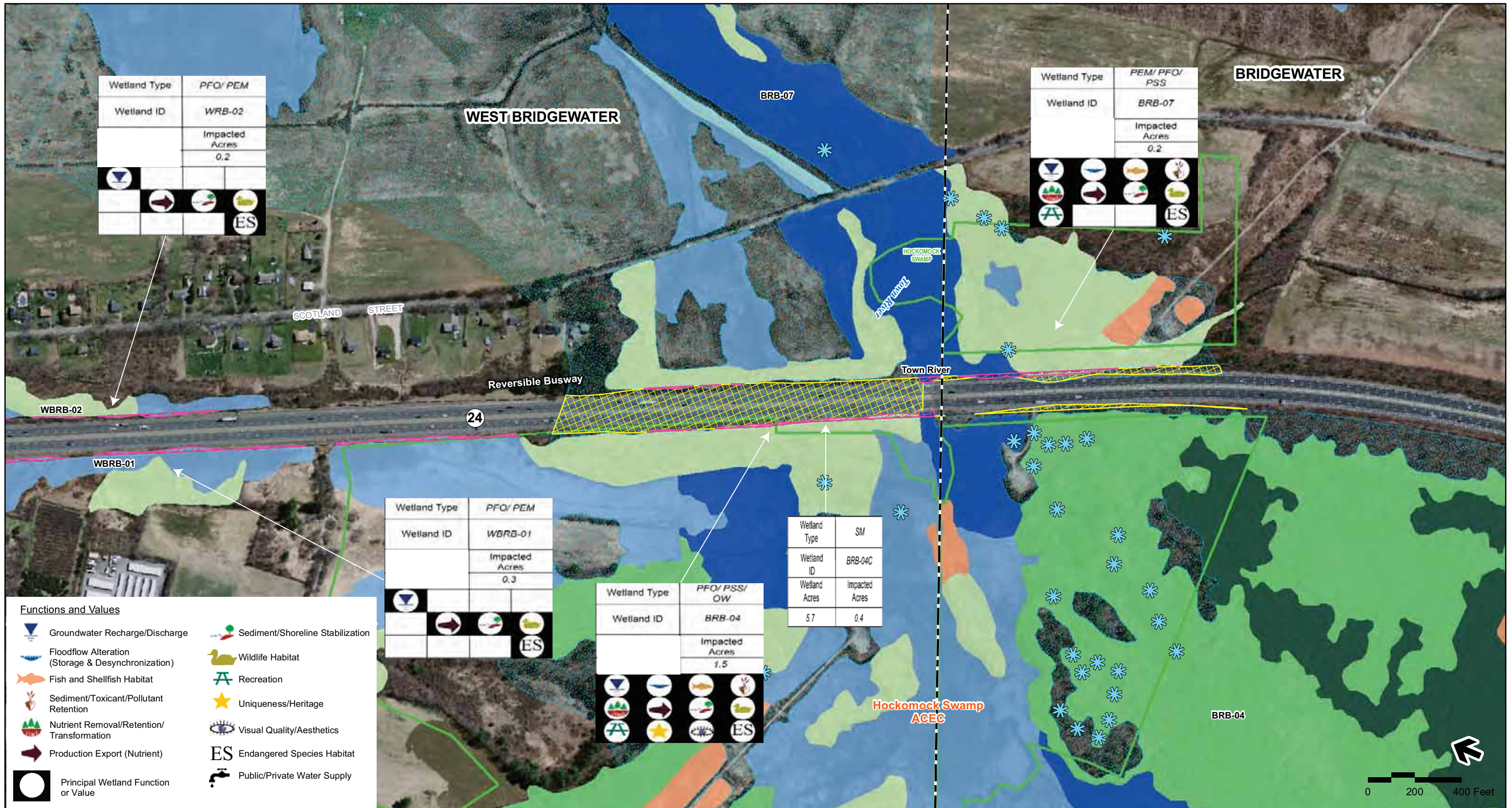


Figure 4.16-8o
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO/ PEM
Wetland ID	WBRB-02
	Impacted Acres
	0.2

Wetland Type	PEM/ PFO/ PSS
Wetland ID	BRB-07
	Impacted Acres
	0.2

Wetland Type	PFO/ PEM
Wetland ID	WBRB-01
	Impacted Acres
	0.3

Wetland Type	PFO/ PSS/ OW
Wetland ID	BRB-04
	Impacted Acres
	1.5

Wetland Type	SM
Wetland ID	BRB-04C
Wetland Acres	Impacted Acres
5.7	0.4

Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	ES Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

MBTA Commuter Rail Station	Limit of Permanent Impact for Proposed Rapid Bus Alternative	NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding	Salt Marsh
Town Boundaries	Impacted Wetlands	NHESP Potential Vernal Pools	Open Water	Shallow Marsh Meadow or Fen
MBTA Commuter Rail	Impacted BLSF	SCR Identified Vernal Pools (Field Verified)	Bog	Shrub Swamp
Protected Open Space		Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools	Cranberry Bog	Wooded Swamp Coniferous
Area of Critical Environmental Concern (ACEC)			Other	Wooded Swamp Deciduous
			Deep Marsh	Wooded Swamp Mixed Trees

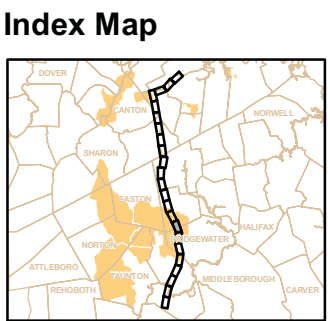


Figure 4.16-8p
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Legend

- MBTA Commuter Rail Station
- Town Boundaries
- MBTA Commuter Rail
- ▭ Protected Open Space
- ▭ Area of Critical Environmental Concern (ACEC)
- ▭ Limit of Permanent Impact for Proposed Rapid Bus Alternative
- ▭ Impacted Wetlands
- ▭ Impacted BLSF

Wetland Types

- ☼ NHESP Certified Vernal Pools
- ☼ NHESP Potential Vernal Pools
- ☼ SCR Identified Vernal Pools (Field Verified)
- ▭ BLSF - Bordering Land Subject to Flooding
- ▭ Salt Marsh
- ▭ Shallow Marsh Meadow or Fen
- ▭ Shrub Swamp
- ▭ Wooded Swamp Coniferous
- ▭ Wooded Swamp Deciduous
- ▭ Wooded Swamp Mixed Trees
- ▭ Open Water
- ▭ Bog
- ▭ Cranberry Bog
- ▭ Other
- ▭ Deep Marsh

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

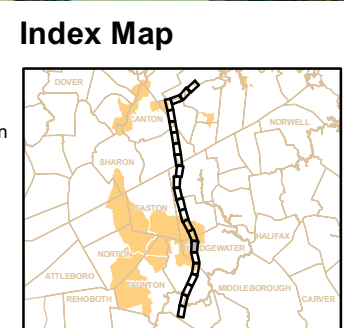


Figure 4.16-8q

Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	Endangered Species Habitat
Public/Private Water Supply	Principal Wetland Function or Value

Legend

MBTA Commuter Rail Station	Limit of Permanent Impact for Proposed Rapid Bus Alternative
Town Boundaries	Impacted Wetlands
MBTA Commuter Rail	Impacted BLSF
Protected Open Space	
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding	Salt Marsh
NHESP Potential Vernal Pools	Open Water	Shallow Marsh Meadow or Fen
SCR Identified Vernal Pools (Field Verified)	Bog	Shrub Swamp
<p>Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools</p>	Cranberry Bog	Wooded Swamp Coniferous
	Other	Wooded Swamp Deciduous
	Deep Marsh	Wooded Swamp Mixed Trees

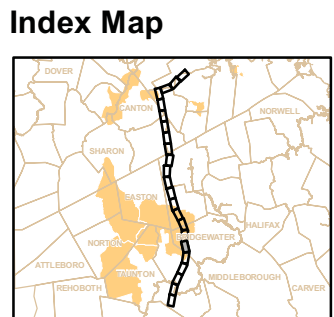


Figure 4.16-8r
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Functions and Values

Groundwater Recharge/Discharge	Sediment/Shoreline Stabilization
Floodflow Alteration (Storage & Desynchronization)	Wildlife Habitat
Fish and Shellfish Habitat	Recreation
Sediment/Toxicant/Pollutant Retention	Uniqueness/Heritage
Nutrient Removal/Retention/Transformation	Visual Quality/Aesthetics
Production Export (Nutrient)	ES Endangered Species Habitat
Principal Wetland Function or Value	Public/Private Water Supply

Legend

MBTA Commuter Rail Station	Limit of Permanent Impact for Proposed Rapid Bus Alternative
Town Boundaries	Impacted Wetlands
MBTA Commuter Rail	Impacted BLSF
Protected Open Space	
Area of Critical Environmental Concern (ACEC)	

NHESP Certified Vernal Pools	BLSF - Bordering Land Subject to Flooding	Salt Marsh
NHESP Potential Vernal Pools	Open Water	Shallow Marsh Meadow or Fen
SCR Identified Vernal Pools (Field Verified)	Wetlands	Shrub Swamp
	Bog	Wooded Swamp Coniferous
	Cranberry Bog	Wooded Swamp Deciduous
	Other	Wooded Swamp Mixed Trees
	Deep Marsh	

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

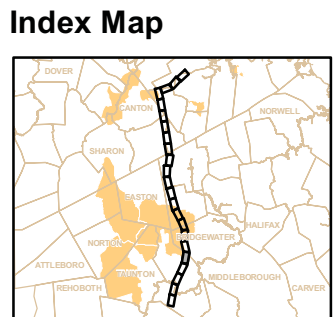


Figure 4.16-8s
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO
Wetland ID	RAB-09
Impacted Acres	0.2

Wetland Type	PFO
Wetland ID	RAD-08C
Wetland Acres	0.4
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	RAB-08
Impacted Acres	0.1

Wetland Type	PFO
Wetland ID	RAD-08A
Wetland Acres	1.9
Impacted Acres	0.1

Wetland Type	PFO
Wetland ID	RAB-07
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	RAB-05
Impacted Acres	<0.1

Wetland Type	PFO
Wetland ID	RAB-06
Impacted Acres	<0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	MBTA Commuter Rail Station		Limit of Permanent Impact for Proposed Rapid Bus Alternative		NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding		Salt Marsh
	Town Boundaries		Impacted Wetlands		NHESP Potential Vernal Pools		Open Water		Shallow Marsh Meadow or Fen
	MBTA Commuter Rail		Impacted BLSF		SCR Identified Vernal Pools (Field Verified)		Bog		Shrub Swamp
	Protected Open Space						Cranberry Bog		Wooded Swamp Coniferous
	Area of Critical Environmental Concern (ACEC)						Other		Wooded Swamp Deciduous
							Deep Marsh		Wooded Swamp Mixed Trees

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

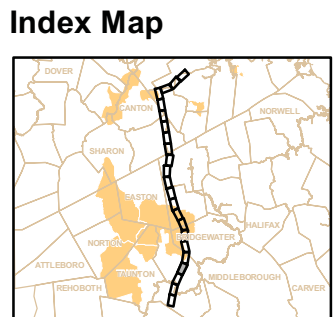
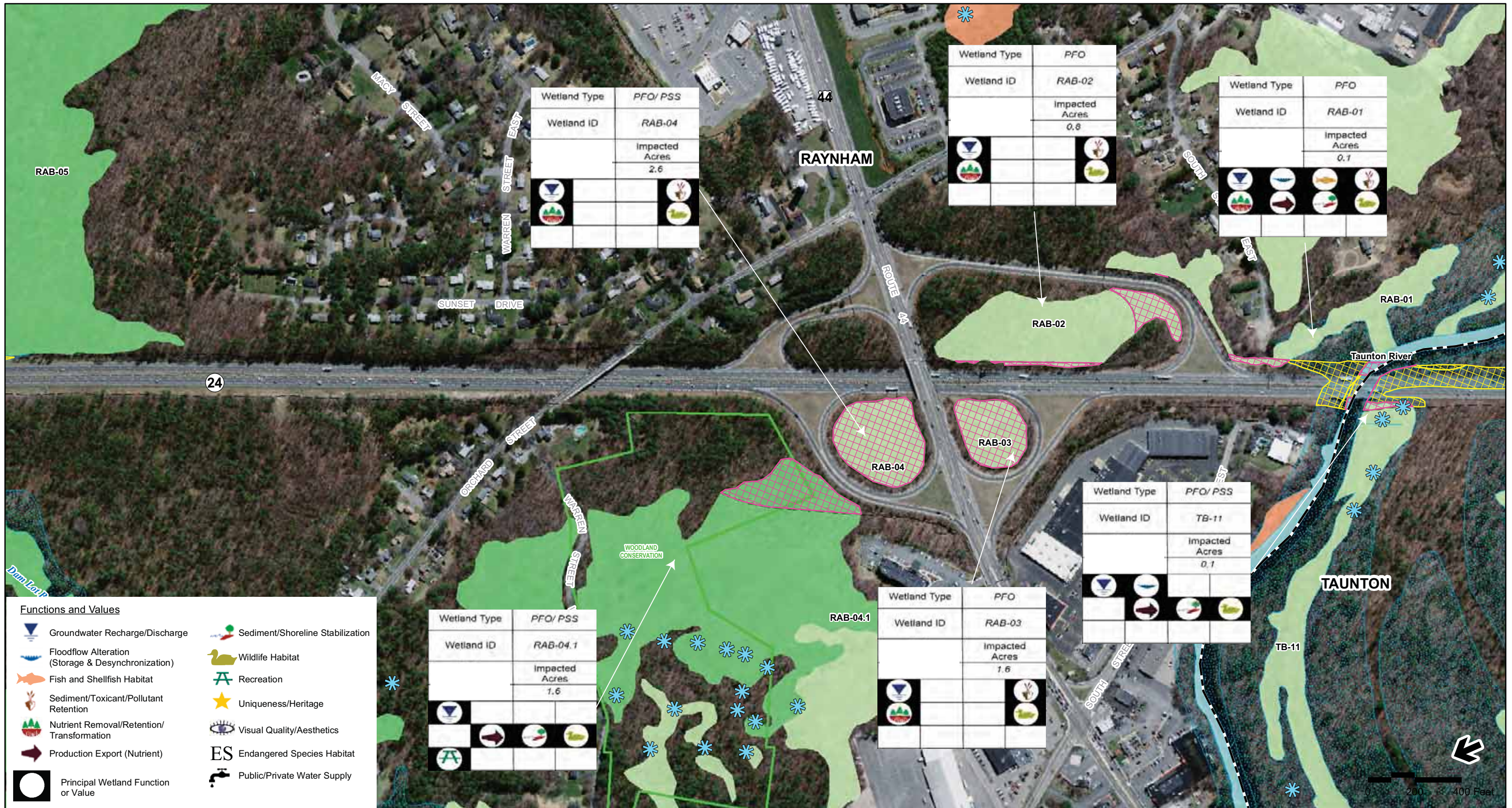


Figure 4.16-8t
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO/ PSS
Wetland ID	RAB-04
	Impacted Acres
	2.6

Wetland Type	PFO
Wetland ID	RAB-02
	Impacted Acres
	0.8

Wetland Type	PFO
Wetland ID	RAB-01
	Impacted Acres
	0.1

Wetland Type	PFO/ PSS
Wetland ID	RAB-04.1
	Impacted Acres
	1.6

Wetland Type	PFO
Wetland ID	RAB-03
	Impacted Acres
	1.6

Wetland Type	PFO/ PSS
Wetland ID	TB-11
	Impacted Acres
	0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	MBTA Commuter Rail Station		Limit of Permanent Impact for Proposed Rapid Bus Alternative		NHESP Certified Vernal Pools		BLSF - Boring Land Subject to Flooding		Salt Marsh
	Town Boundaries		Impacted Wetlands		NHESP Potential Vernal Pools		Open Water		Shallow Marsh Meadow or Fen
	MBTA Commuter Rail		Impacted BLSF		SCR Identified Vernal Pools (Field Verified)		Bog		Shrub Swamp
	Protected Open Space						Cranberry Bog		Wooded Swamp Coniferous
	Area of Critical Environmental Concern (ACEC)						Other		Wooded Swamp Deciduous
							Deep Marsh		Wooded Swamp Mixed Trees

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

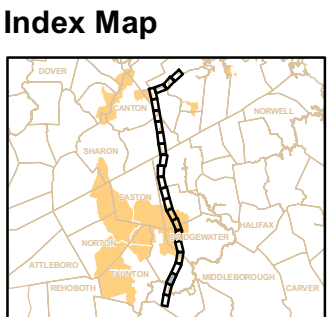
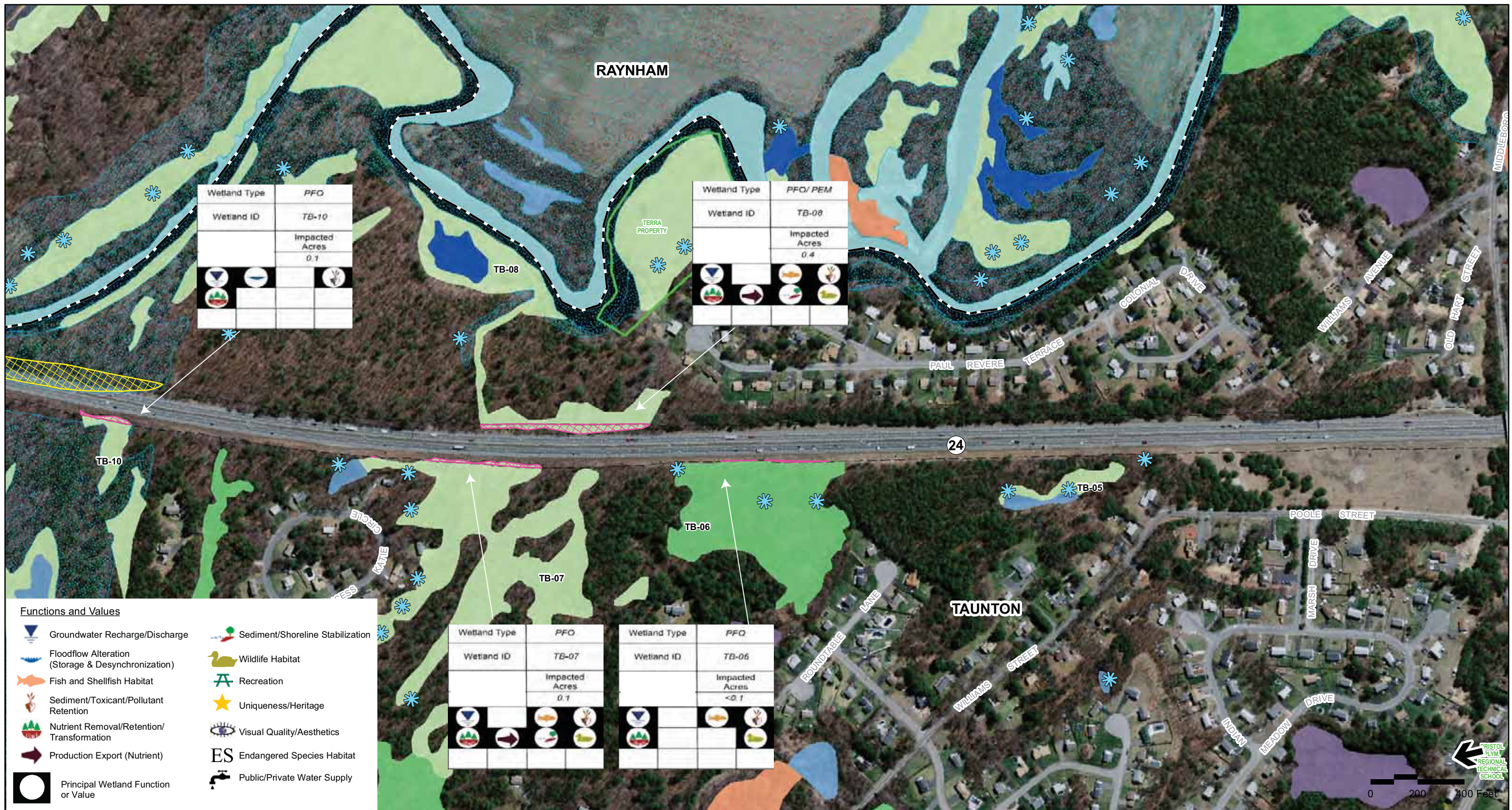


Figure 4.16-8u
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



Wetland Type	PFO
Wetland ID	TB-10
Impacted Acres	0.1

Wetland Type	PFO/PEM
Wetland ID	TB-08
Impacted Acres	0.4

Wetland Type	PFO
Wetland ID	TB-07
Impacted Acres	0.1

Wetland Type	PFO
Wetland ID	TB-06
Impacted Acres	<0.1

Functions and Values

	Groundwater Recharge/Discharge		Sediment/Shoreline Stabilization
	Floodflow Alteration (Storage & Desynchronization)		Wildlife Habitat
	Fish and Shellfish Habitat		Recreation
	Sediment/Toxicant/Pollutant Retention		Uniqueness/Heritage
	Nutrient Removal/Retention/Transformation		Visual Quality/Aesthetics
	Production Export (Nutrient)		ES Endangered Species Habitat
	Principal Wetland Function or Value		Public/Private Water Supply

Legend

	MBTA Commuter Rail Station		Limit of Permanent Impact for Proposed Rapid Bus Alternative
	Town Boundaries		Impacted Wetlands
	MBTA Commuter Rail		Impacted BLSF
	Protected Open Space		
	Area of Critical Environmental Concern (ACEC)		

	NHESP Certified Vernal Pools		BLSF - Bordering Land Subject to Flooding
	NHESP Potential Vernal Pools	Wetlands	
	SCR Identified Vernal Pools (Field Verified)		Open Water
	Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools		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

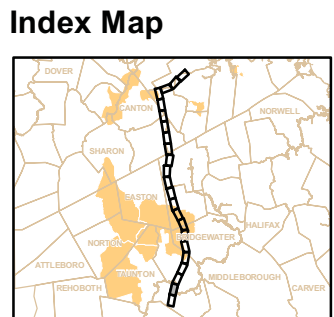


Figure 4.16-8v
Rapid Bus Alternative

* Traction power stations are only required for electric rail alternative



* Traction power stations are only required for electric rail alternative

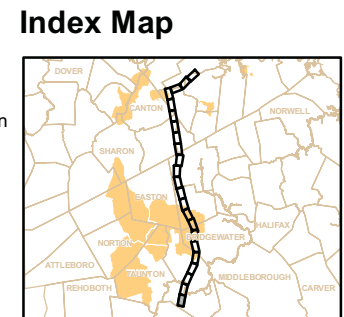
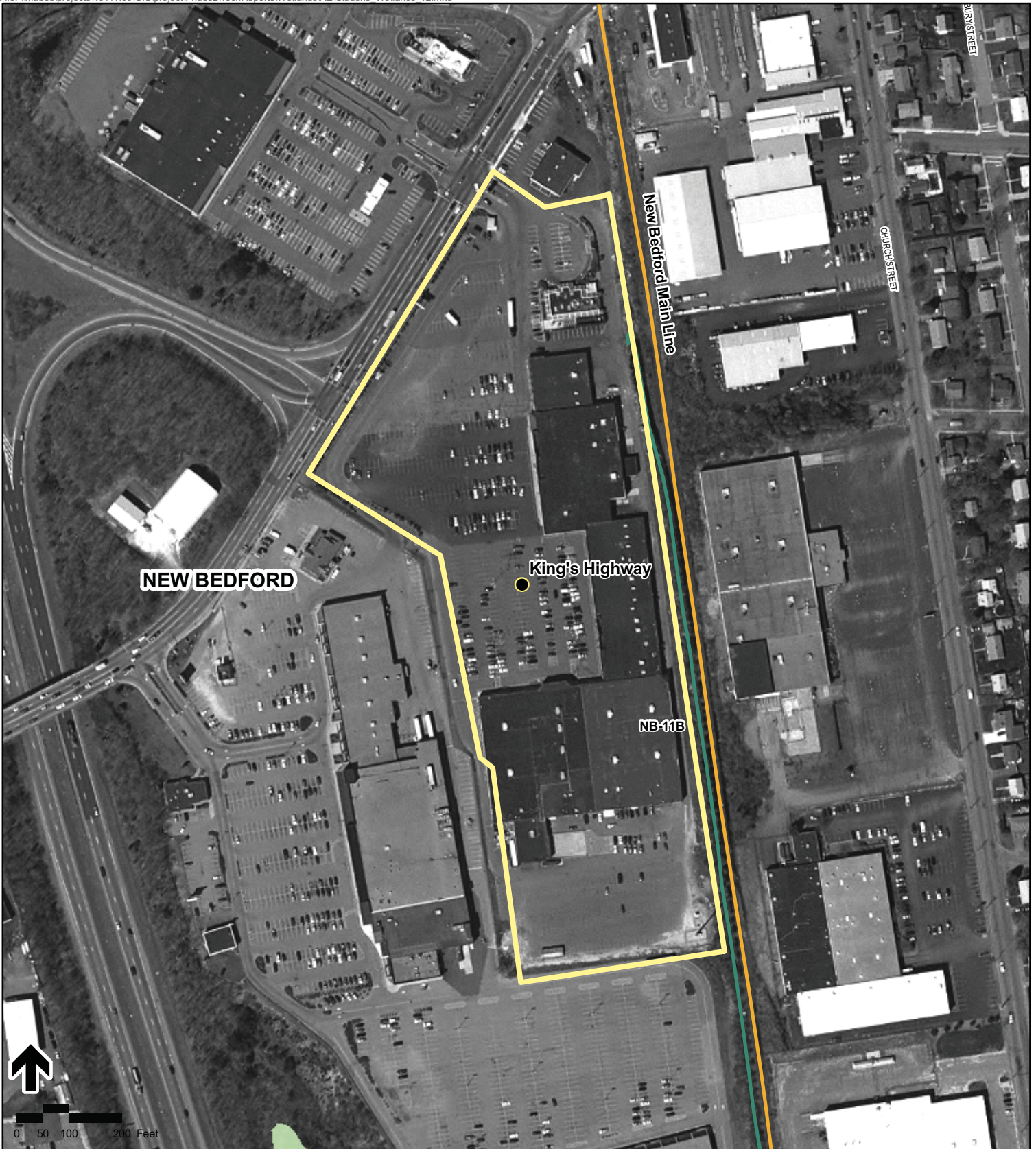










Figure 4.16-8w
Rapid Bus Alternative

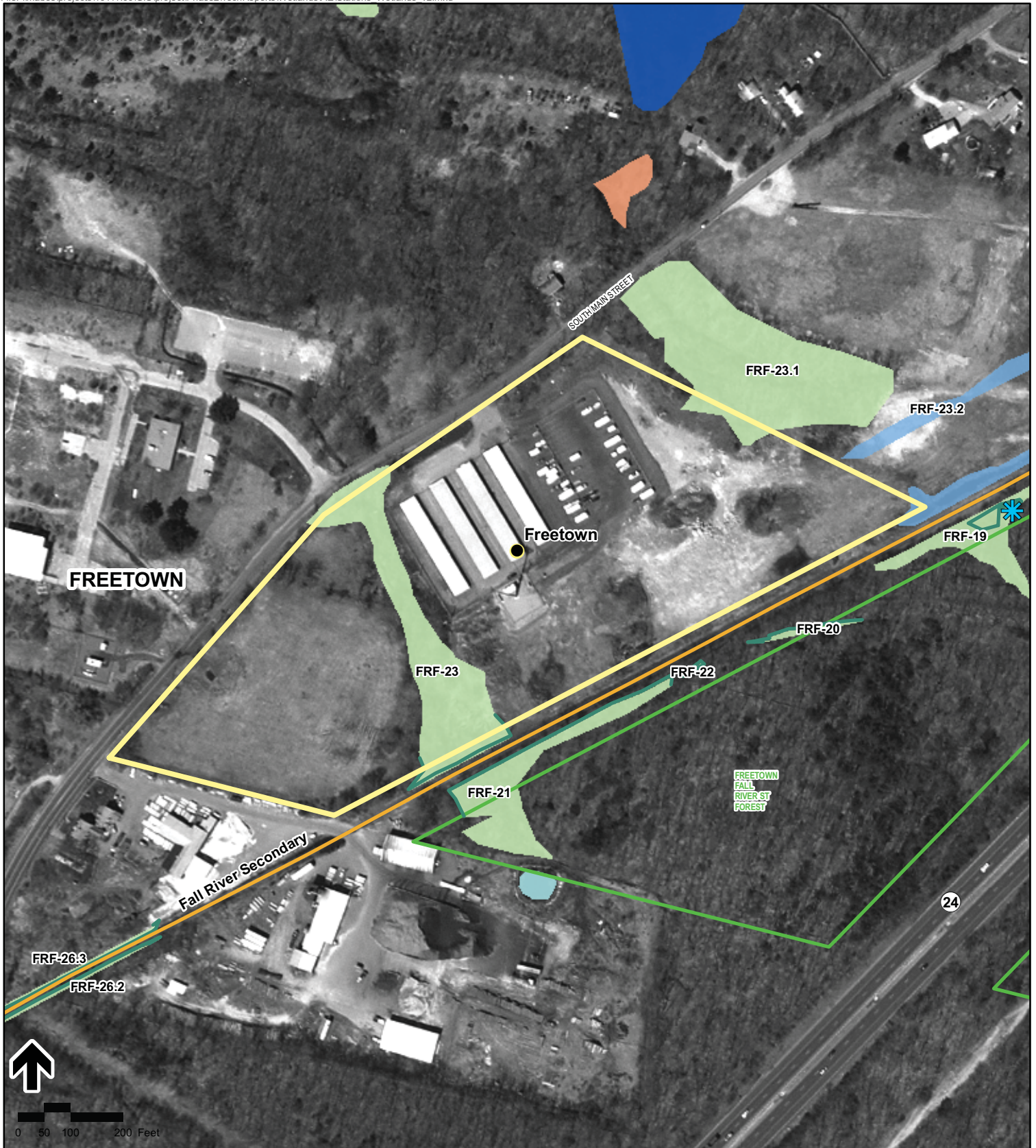


Legend

- | | | |
|---|--|---|
|  Proposed Alternative |  Field Delineated Wetlands (2002 Flags) | |
|  Proposed Station Location | Wetlands | |
|  Protected Open Space |  Open Water |  Shallow Marsh Meadow or Fen |
|  NHESP Certified Vernal Pool |  Bog |  Shrub Swamp |
|  NHESP Potential Vernal Pool |  Cranberry Bog |  Wooded Swamp Coniferous |
|  SCR Identified Vernal Pools (Field Verified) |  Other |  Wooded Swamp Deciduous |
| |  Deep Marsh |  Wooded Swamp Mixed Trees |
| |  Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-9
 King's Highway Station

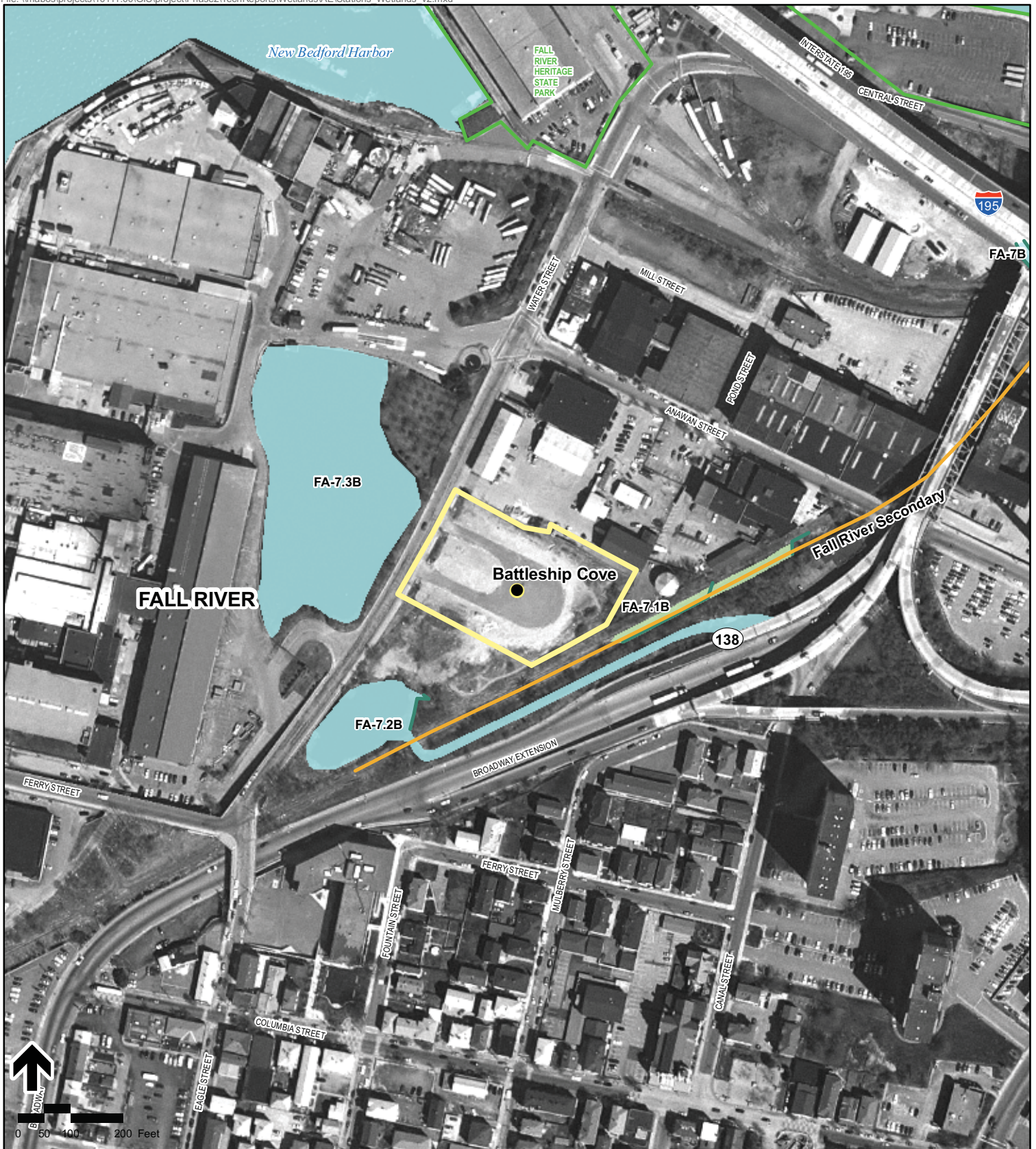


Legend







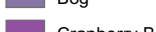
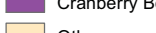
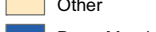

- | | | |
|--|--|-----------------------------|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) | |
| Proposed Station Location | Wetlands | |
| Protected Open Space | Open Water | Shallow Marsh Meadow or Fen |
| NHESP Certified Vernal Pool | Bog | Shrub Swamp |
| NHESP Potential Vernal Pool | Cranberry Bog | Wooded Swamp Coniferous |
| SCR Identified Vernal Pools (Field Verified) | Other | Wooded Swamp Deciduous |
| | Deep Marsh | Wooded Swamp Mixed Trees |
| | Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-10
 Freetown Station

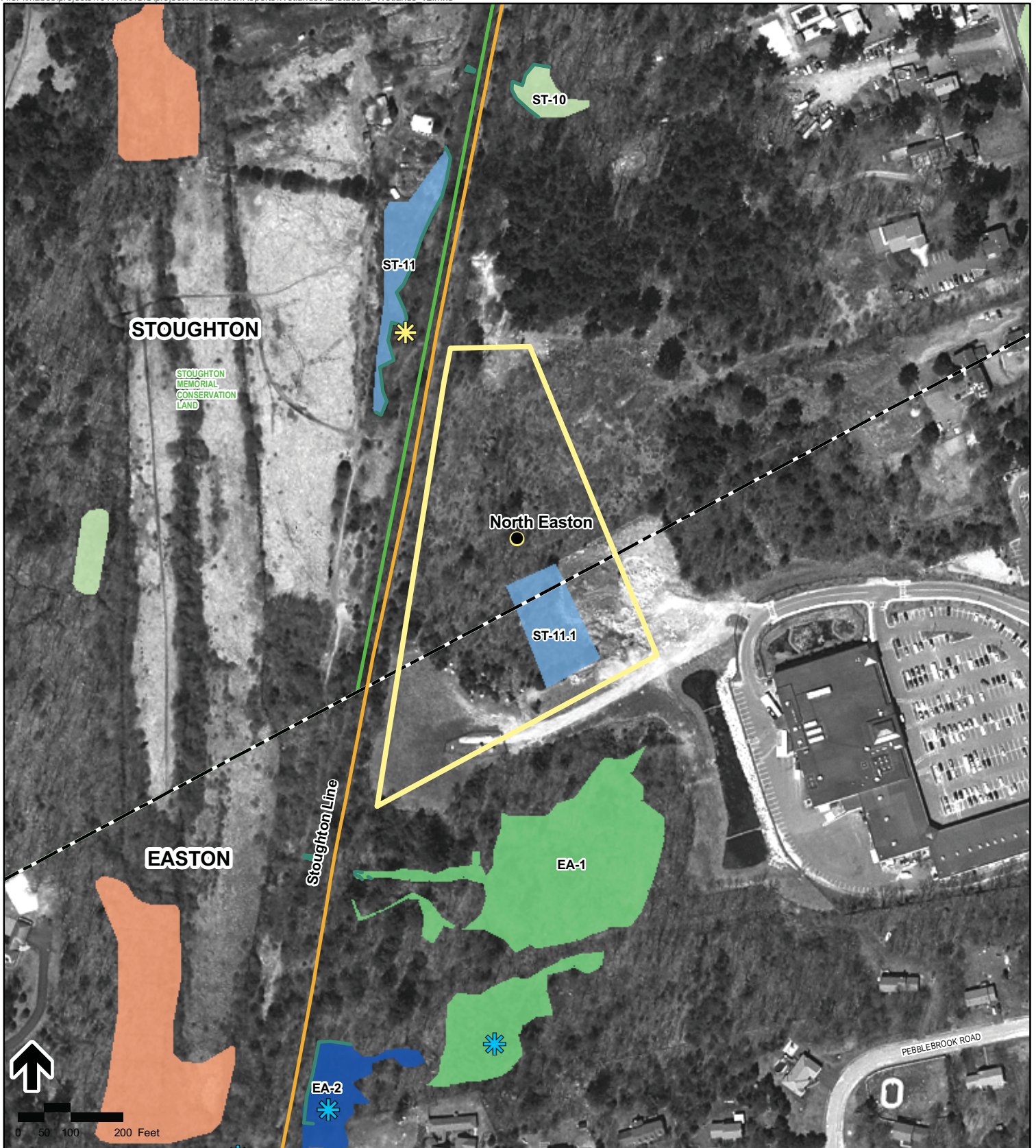


Legend

- | | |
|--|--|
|  Proposed Alternative |  Field Delineated Wetlands (2002 Flags) |
|  Proposed Station Location | Wetlands |
|  Protected Open Space |  Open Water |
|  NHESP Certified Vernal Pool |  Shallow Marsh Meadow or Fen |
|  NHESP Potential Vernal Pool |  Shrub Swamp |
|  SCR Identified Vernal Pools (Field Verified) |  Bog |
| |  Wooded Swamp Coniferous |
| |  Cranberry Bog |
| |  Wooded Swamp Deciduous |
| |  Other |
| |  Wooded Swamp Mixed Trees |
| |  Deep Marsh |
| |  Salt Marsh |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-11
 Battleship Cove Station

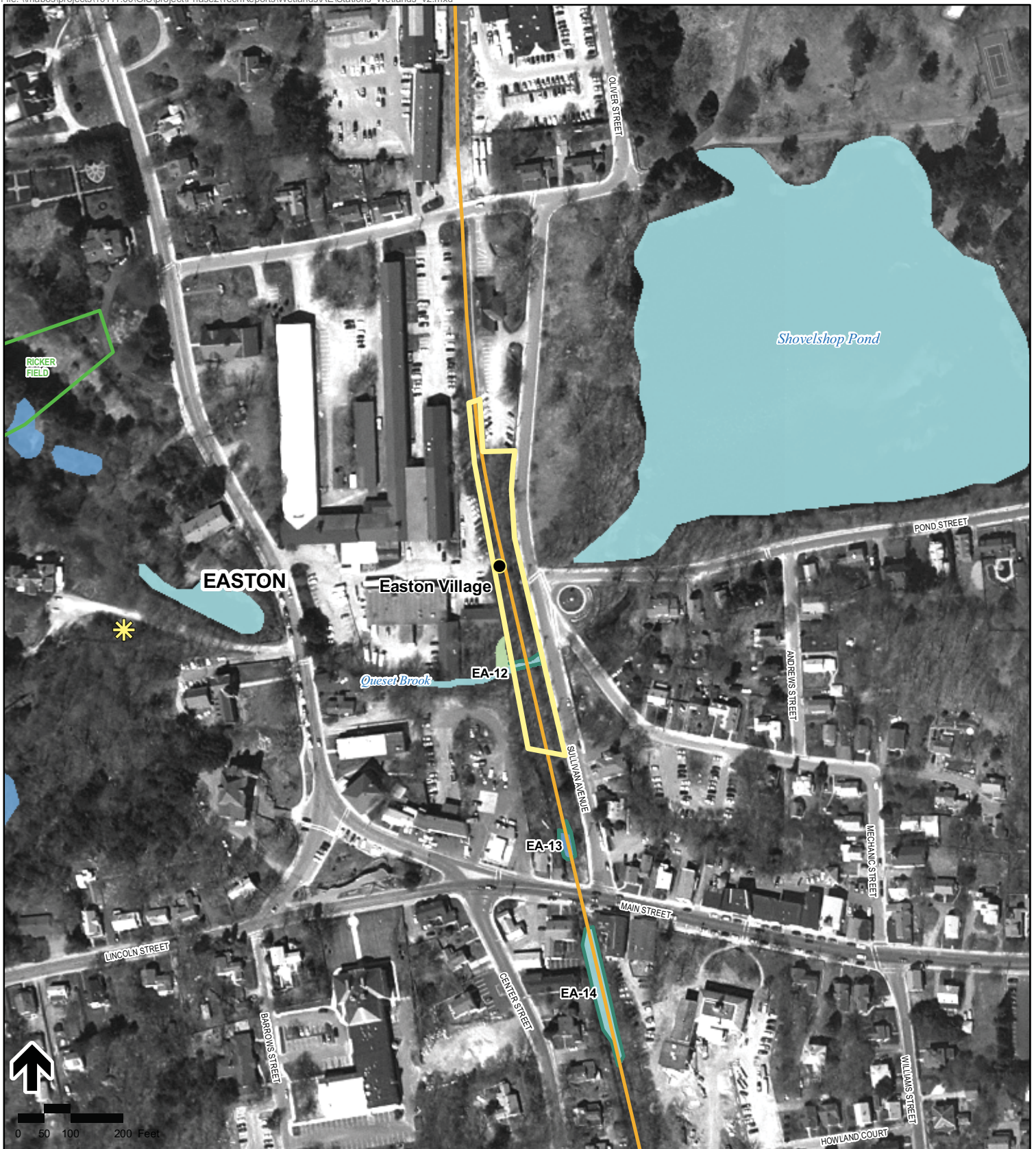


Legend

- | | |
|--|--|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) |
| Proposed Station Location | Wetlands |
| Protected Open Space | Open Water |
| NHESP Certified Vernal Pool | Shrub Swamp |
| NHESP Potential Vernal Pool | Bog |
| SCR Identified Vernal Pools (Field Verified) | Wooded Swamp Coniferous |
| | Wooded Swamp Deciduous |
| | Other |
| | Deep Marsh |
| | Wooded Swamp Mixed Trees |
| | Salt Marsh |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-12
 North Easton Station

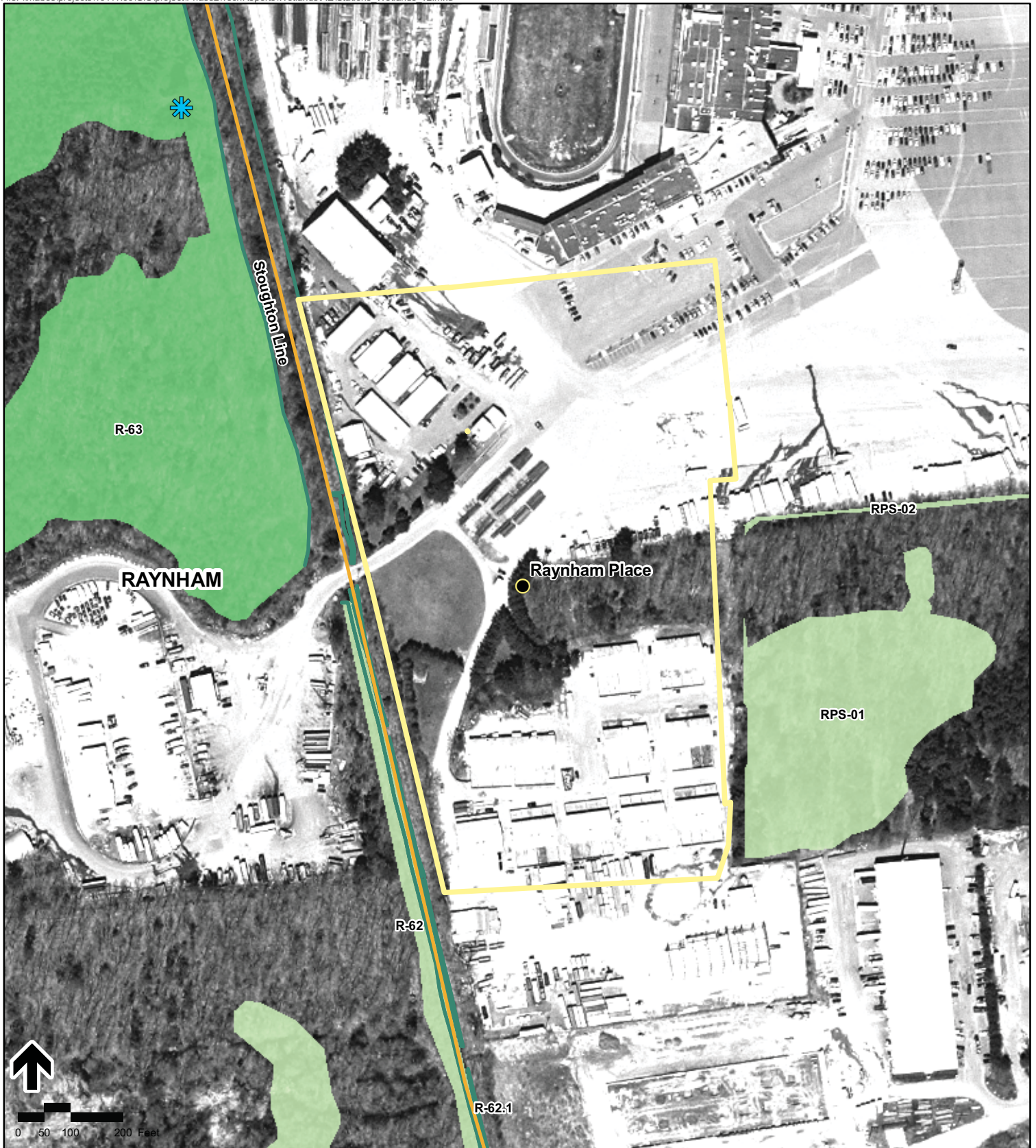


Legend

- | | | |
|--|--|-----------------------------|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) | |
| Proposed Station Location | Wetlands | |
| Protected Open Space | Open Water | Shallow Marsh Meadow or Fen |
| NHESP Certified Vernal Pool | Bog | Shrub Swamp |
| NHESP Potential Vernal Pool | Cranberry Bog | Wooded Swamp Coniferous |
| SCR Identified Vernal Pools (Field Verified) | Other | Wooded Swamp Deciduous |
| | Deep Marsh | Wooded Swamp Mixed Trees |
| | Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-13
 Easton Village Station



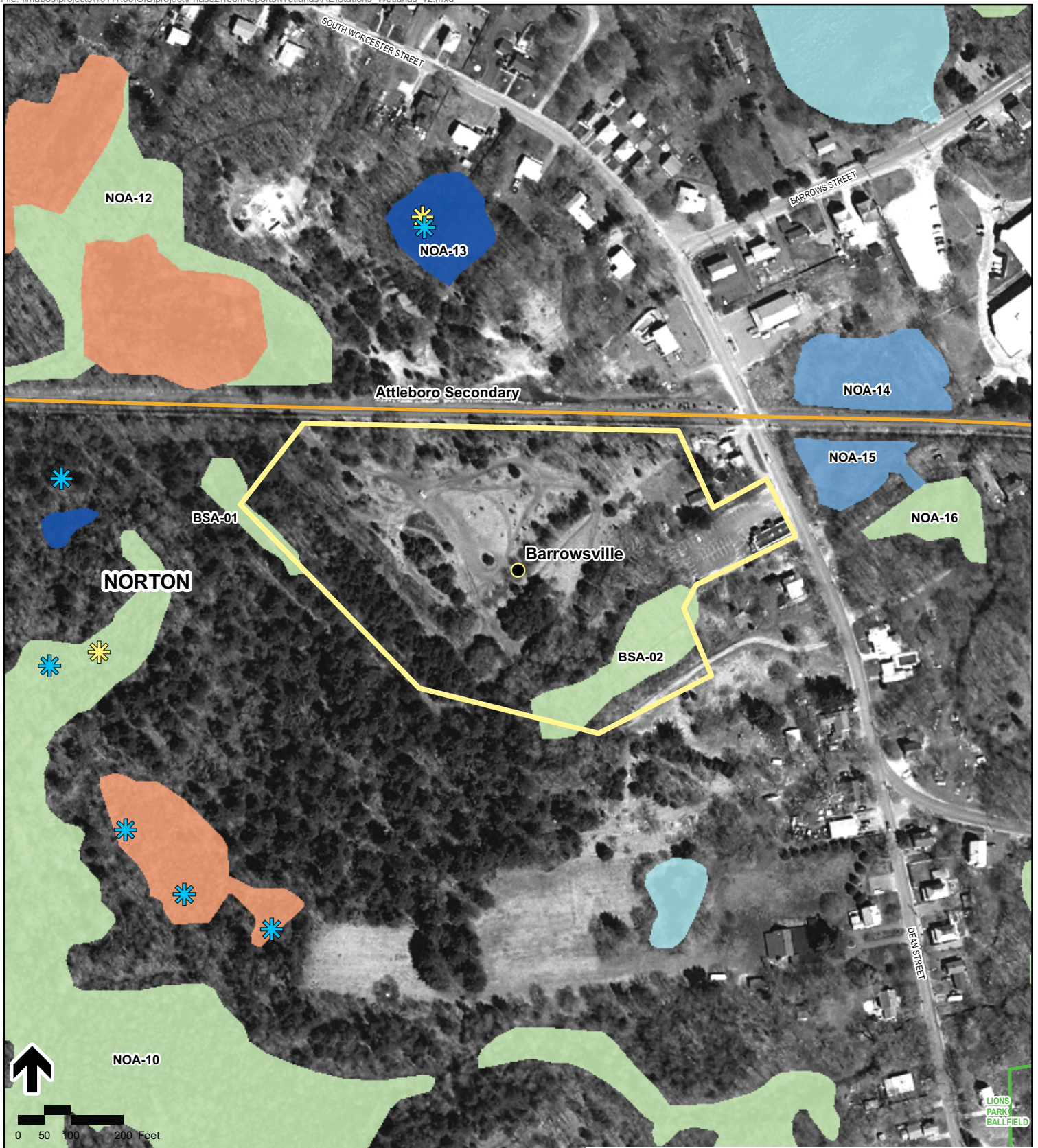
Legend

- | | | |
|--|--|-----------------------------|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) | |
| Proposed Station Location | Wetlands | |
| Protected Open Space | Open Water | Shallow Marsh Meadow or Fen |
| NHESP Certified Vernal Pool | Bog | Shrub Swamp |
| NHESP Potential Vernal Pool | Cranberry Bog | Wooded Swamp Coniferous |
| SCR Identified Vernal Pools (Field Verified) | Other | Wooded Swamp Deciduous |
| | Deep Marsh | Wooded Swamp Mixed Trees |
| | Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-14

Raynham Place Station

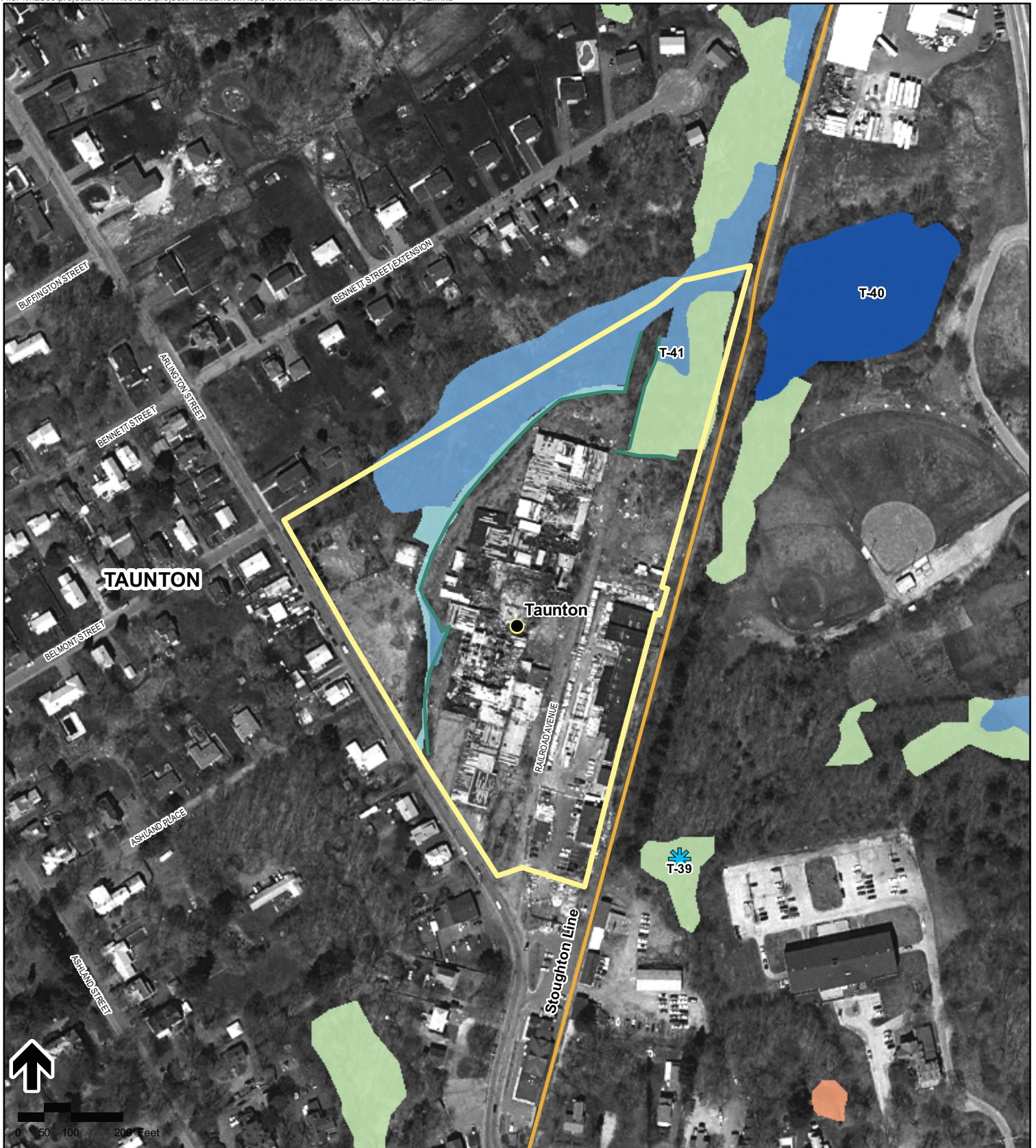


Legend

- | | | |
|--|--|-----------------------------|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) | |
| Proposed Station Location | Wetlands | |
| Protected Open Space | Open Water | Shallow Marsh Meadow or Fen |
| NHESP Certified Vernal Pool | Bog | Shrub Swamp |
| NHESP Potential Vernal Pool | Cranberry Bog | Wooded Swamp Coniferous |
| SCR Identified Vernal Pools (Field Verified) | Other | Wooded Swamp Deciduous |
| | Deep Marsh | Wooded Swamp Mixed Trees |
| | Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-15
 Barrowsville Station

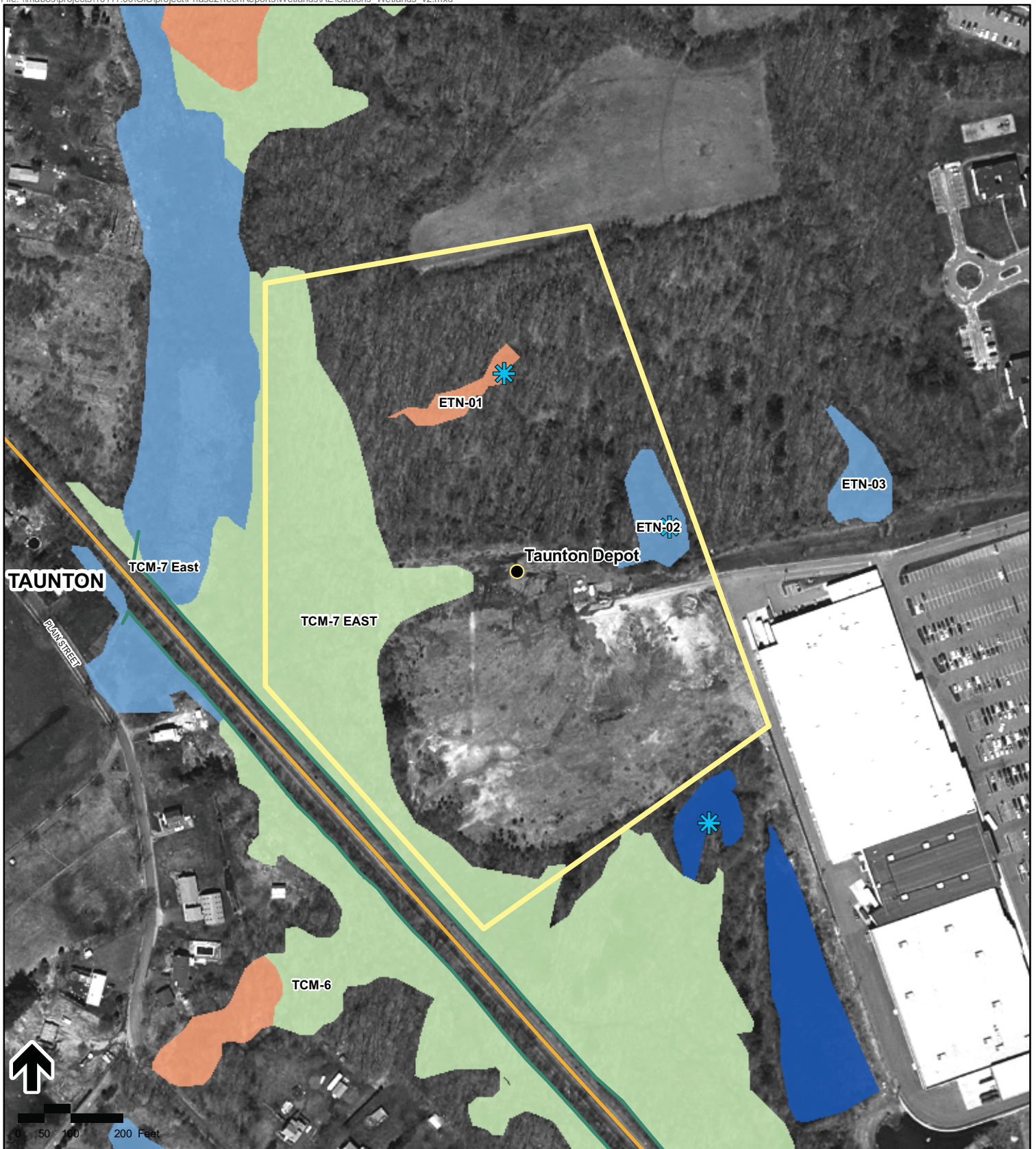


Legend

- | | | |
|--|--|-----------------------------|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) | |
| Proposed Station Location | Wetlands | |
| Protected Open Space | Open Water | Shallow Marsh Meadow or Fen |
| NHESP Certified Vernal Pool | Bog | Shrub Swamp |
| NHESP Potential Vernal Pool | Cranberry Bog | Wooded Swamp Coniferous |
| SCR Identified Vernal Pools (Field Verified) | Other | Wooded Swamp Deciduous |
| | Deep Marsh | Wooded Swamp Mixed Trees |
| | Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-16
 Taunton (Dean Street) Station

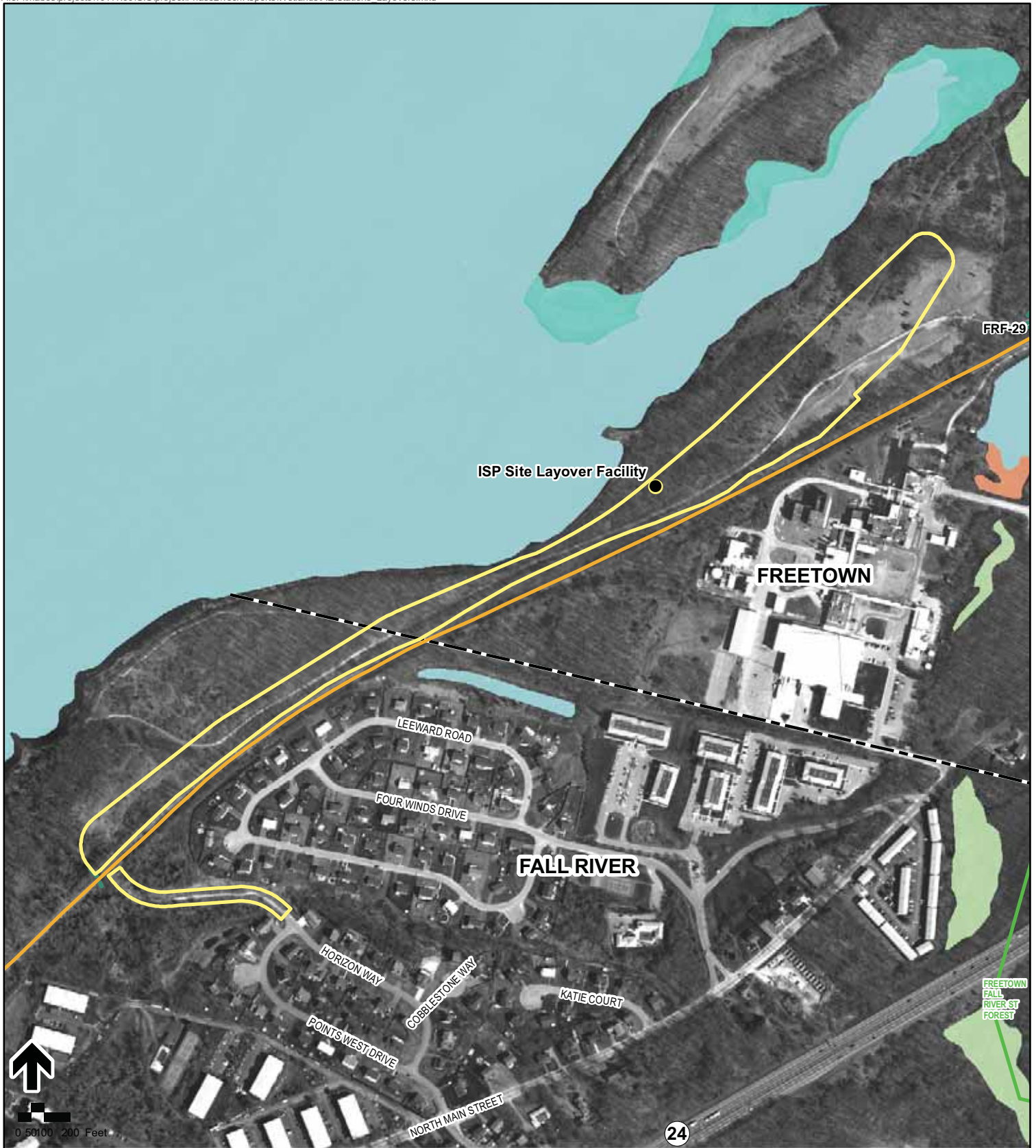


Legend

- | | | |
|--|--|-----------------------------|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) | |
| Proposed Station Location | Wetlands | |
| Protected Open Space | Open Water | Shallow Marsh Meadow or Fen |
| NHESP Certified Vernal Pool | Bog | Shrub Swamp |
| NHESP Potential Vernal Pool | Cranberry Bog | Wooded Swamp Coniferous |
| SCR Identified Vernal Pools (Field Verified) | Other | Wooded Swamp Deciduous |
| | Deep Marsh | Wooded Swamp Mixed Trees |
| | Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-17
 Taunton Depot Station



Legend

- | | | |
|--|--|-----------------------------|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) | |
| Proposed Layover Facility | Wetlands | |
| Protected Open Space | Open Water | Shallow Marsh Meadow or Fen |
| NHESP Certified Vernal Pool | Bog | Shrub Swamp |
| NHESP Potential Vernal Pool | Cranberry Bog | Wooded Swamp Coniferous |
| SCR Identified Vernal Pools (Field Verified) | Other | Wooded Swamp Deciduous |
| | Deep Marsh | Wooded Swamp Mixed Trees |
| | Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-18
 ISP Layover Site



Legend

- | | | |
|--|--|-----------------------------|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) | |
| Proposed Layover Facility | Wetlands | |
| Protected Open Space | Open Water | Shallow Marsh Meadow or Fen |
| NHESP Certified Vernal Pool | Bog | Shrub Swamp |
| NHESP Potential Vernal Pool | Cranberry Bog | Wooded Swamp Coniferous |
| SCR Identified Vernal Pools (Field Verified) | Other | Wooded Swamp Deciduous |
| | Deep Marsh | Wooded Swamp Mixed Trees |
| | Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-19
 Weaver's Cove East Layover Station

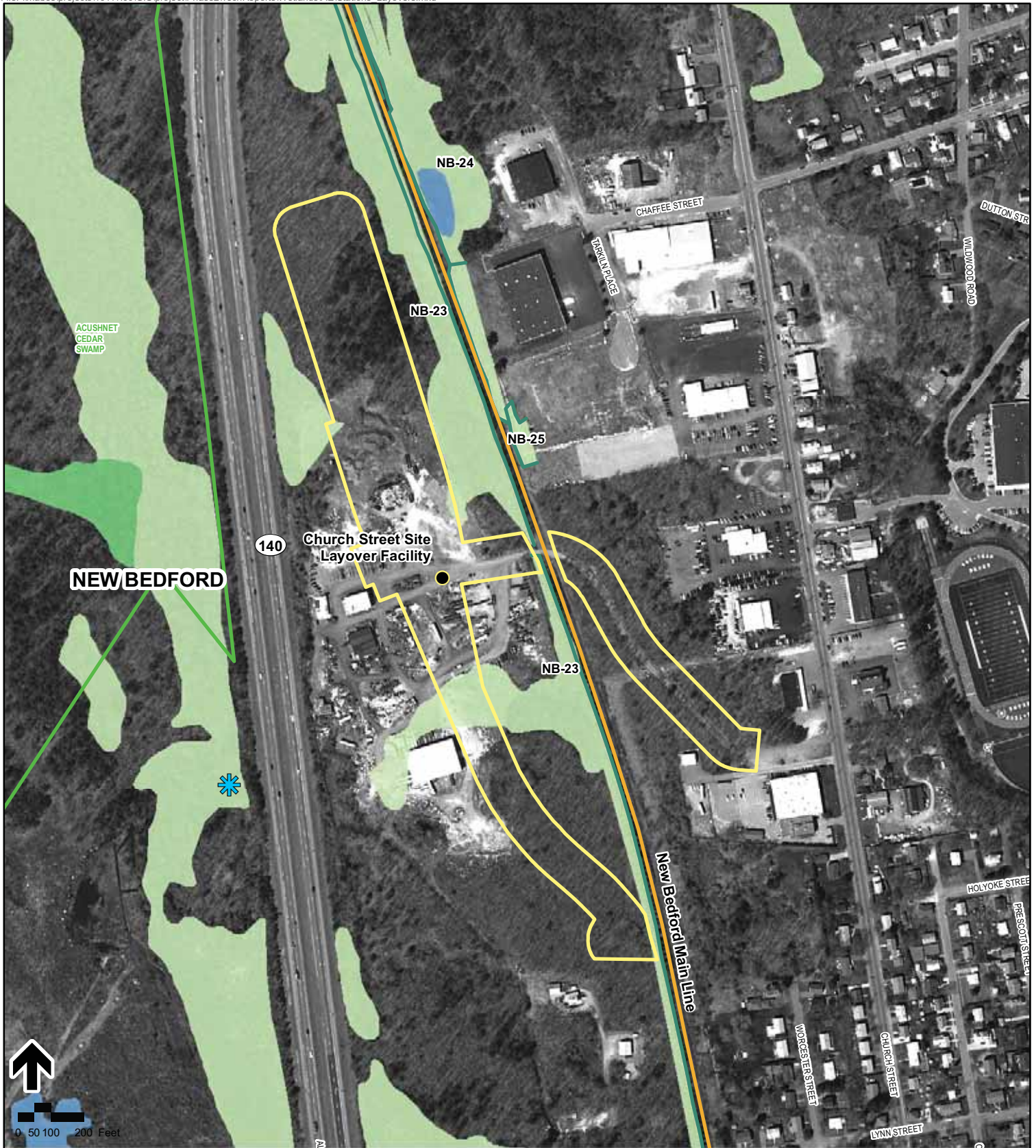


Legend

- | | | |
|--|--|-----------------------------|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) | |
| Proposed Layover Facility | Wetlands | |
| Protected Open Space | Open Water | Shallow Marsh Meadow or Fen |
| NHESP Certified Vernal Pool | Bog | Shrub Swamp |
| NHESP Potential Vernal Pool | Cranberry Bog | Wooded Swamp Coniferous |
| SCR Identified Vernal Pools (Field Verified) | Other | Wooded Swamp Deciduous |
| | Deep Marsh | Wooded Swamp Mixed Trees |
| | Salt Marsh | |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-20
 Weaver's Cove West Layover Site



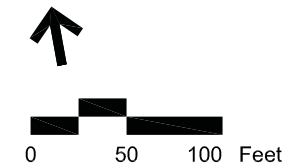
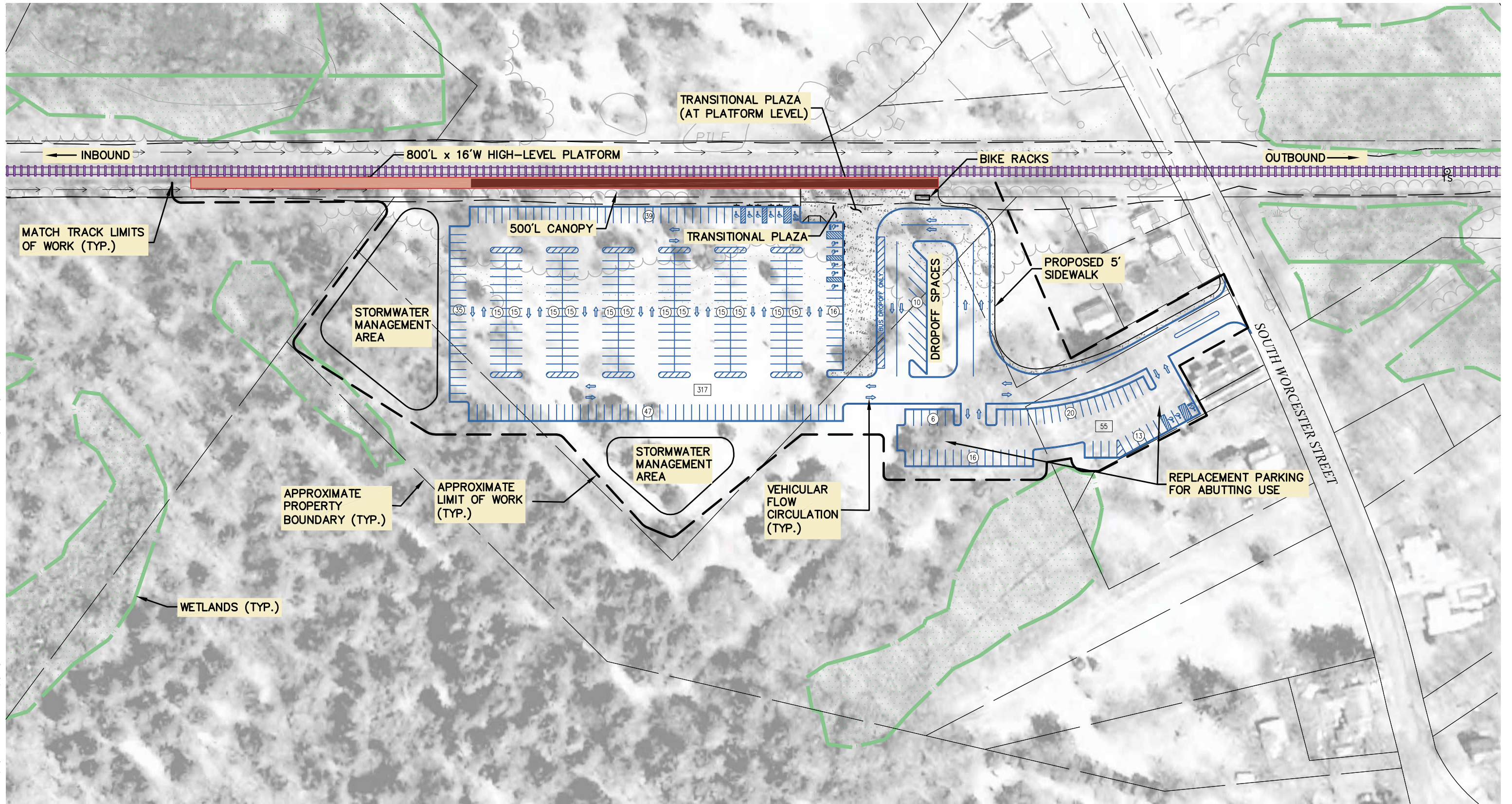
Legend

- | | |
|--|--|
| Proposed Alternative | Field Delineated Wetlands (2002 Flags) |
| Proposed Layover Facility | Wetlands |
| Protected Open Space | Open Water |
| NHESP Certified Vernal Pool | Shallow Marsh Meadow or Fen |
| NHESP Potential Vernal Pool | Bog |
| SCR Identified Vernal Pools (Field Verified) | Shrub Swamp |
| | Wooded Swamp Coniferous |
| | Cranberry Bog |
| | Wooded Swamp Deciduous |
| | Other |
| | Wooded Swamp Mixed Trees |
| | Deep Marsh |
| | Salt Marsh |

Note: NHESP Potential Vernal Pools: NOT equivalent to Certified Vernal Pools

Figure 4.16-21
 Church Street Layover Site

I:\Mabos\projects\10111.00\cad\A-prj\dwg\SCR_2008_Stations\Norton - Barrowsville\10111_Barrowsville.dwg Printing Date: 6/30/2009



Parking Summary Chart

STANDARD SPACES	305
ACCESSIBLE SPACES	12
DROPOFF SPACES	10
TOTAL SPACES	327

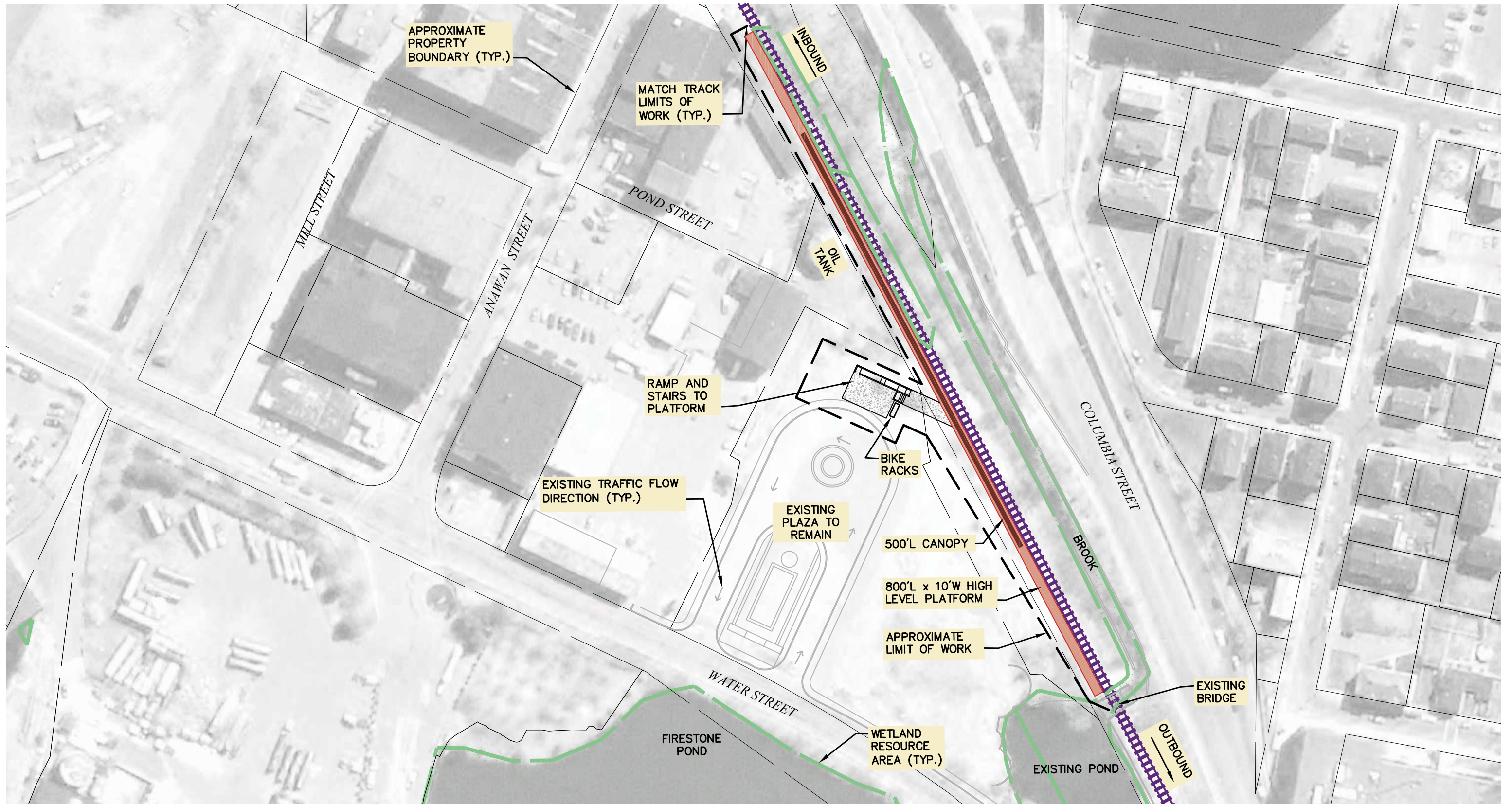
Legend

- Platform
- Canopy
- Transitional Plaza
- Proposed Track
- Existing Track
- Wetland
- Retaining Wall
- Property
- Proposed Roadway
- Limit of Work

Figure 4.16-22

Conceptual Layout of Barrowsville Station

I:\mabos\projects\10111.00\cad\A-prj\dwg\SCR_2008_Stations\Fall River - Battleship Cove\10111_BattleshipCove.dwg Printing Date: 6/30/2009



Parking Summary Chart

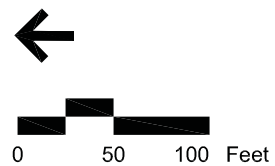
STANDARD SPACES	0
ACCESSIBLE SPACES	0
DROPOFF SPACES	0
TOTAL SPACES	0

Legend

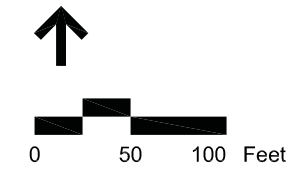
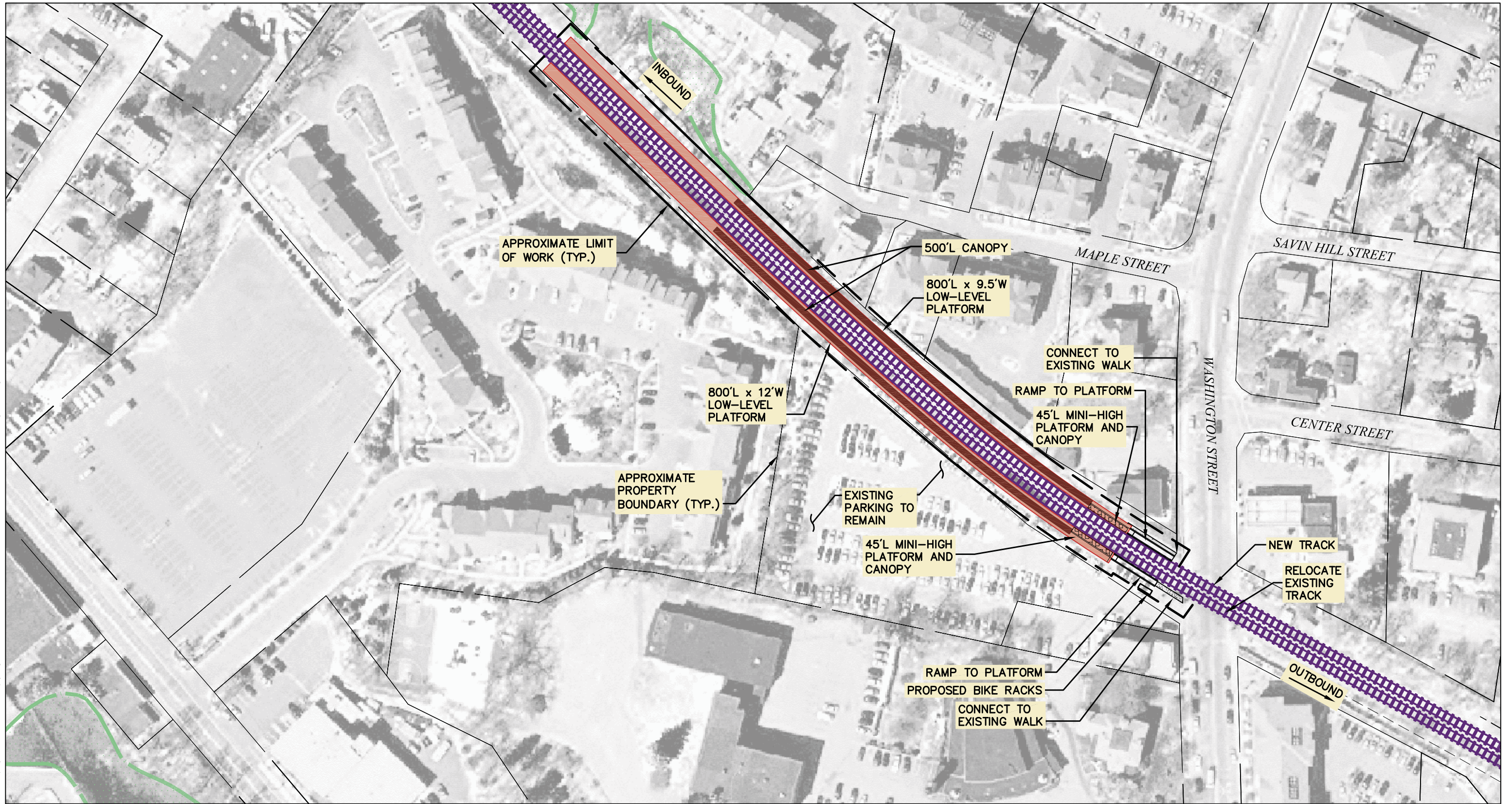
- Platform
- Canopy
- Transitional Plaza
- Proposed Track
- Existing Track
- Wetland
- Retaining Wall
- Property
- Proposed Roadway
- Limit of Work

Figure 4.16-23

Conceptual Layout of Battleship Cove Station



I:\mabos\projects\10111.00\cad\A-prj\dwg\SCR_2008_Station\Canton - Canton Center\10111_CantonCenter.dwg Printing Date: 6/30/2009



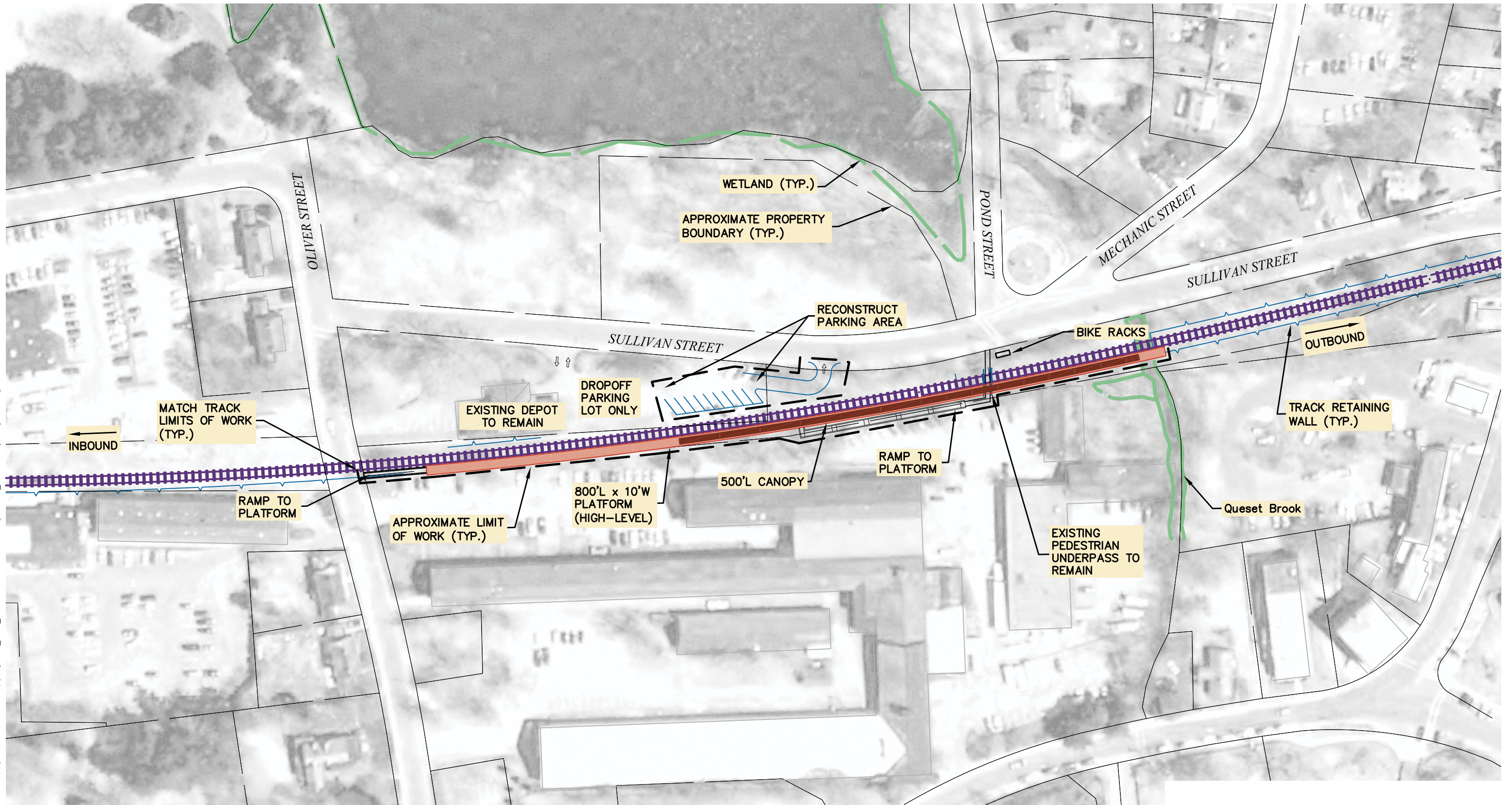
Parking Summary Chart

EXISTING SPACES LOST	-
PROPOSED SPACES ADDED	-
NET PARKING GAIN (LOSS)	-

- Legend**
- Platform
 - Canopy
 - Transitional Plaza
 - Proposed Track
 - Existing Track
 - Wetland
 - Retaining Wall
 - Property
 - Proposed Roadway
 - Limit of Work

Figure 4.16-24
Conceptual Layout of
Canon Center Station

I:\mabos\projects\10111.00\cad\A-prj\dwg\SCR_2008_Station\Easton-Village\10111_EastonVillage.dwg Printing Date: 7/20/2009



Parking Summary Chart

STANDARD SPACES	0
ACCESSIBLE SPACES	0
DROPOFF SPACES	10
TOTAL SPACES	10

Legend

- Platform
- Canopy
- Transitional Plaza
- Proposed Track
- Existing Track
- Wetland
- Retaining Wall
- Property
- Proposed Roadway
- Limit of Work

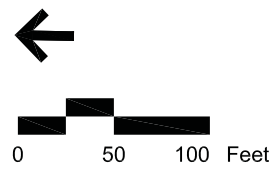
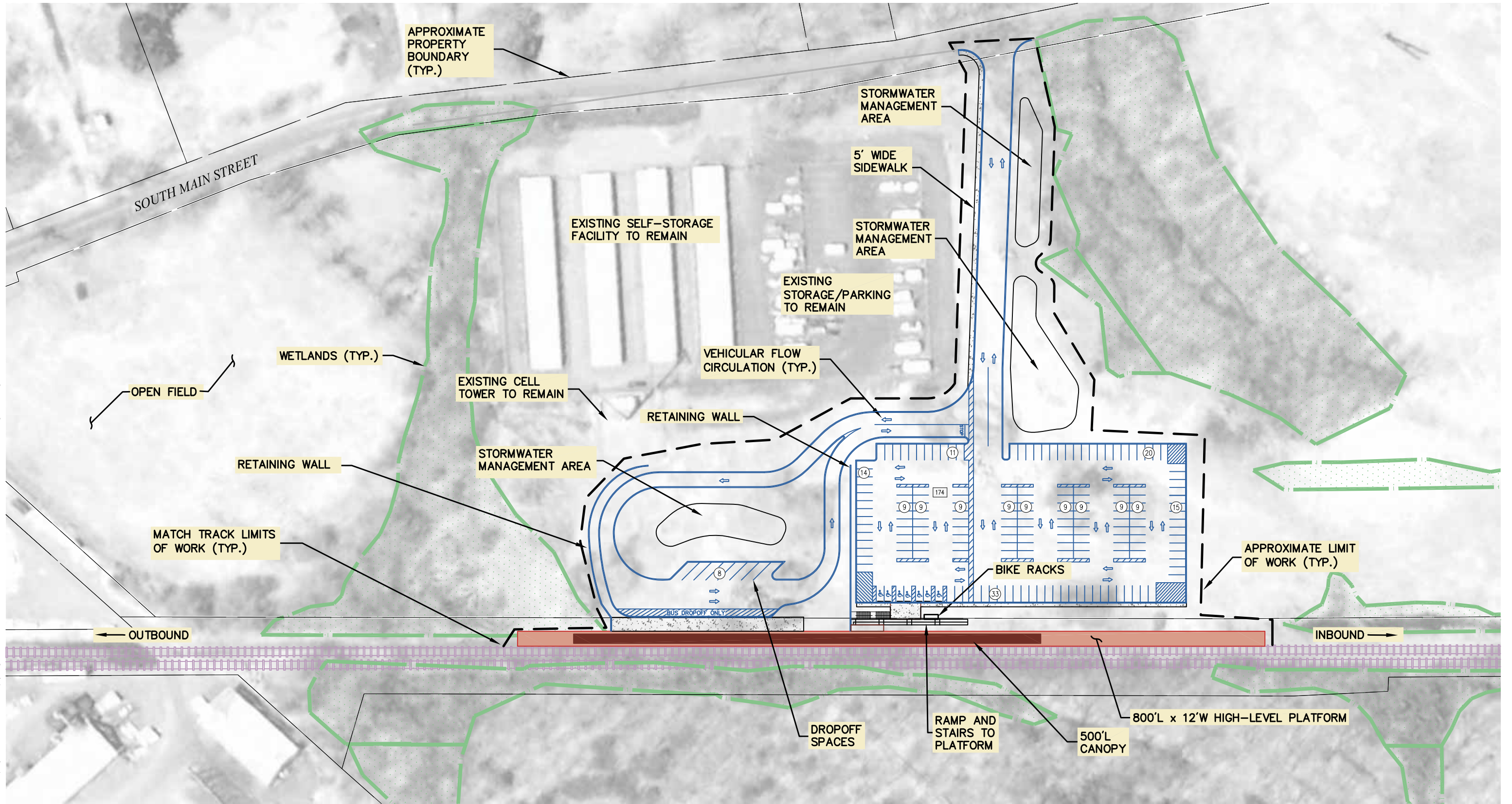


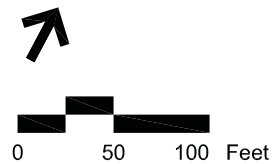
Figure 4.16-25
Conceptual Layout of
Easton Village Station

I:\Mabos\projects\10111.00\cad\A-prj\dwg\SCR_2008_Stations\Freetown - Freetown\10111_FreetownStation.dwg Printing Date: 6/30/2009



Parking Summary Chart

STANDARD SPACES	167
ACCESSIBLE SPACES	7
DROPOFF SPACES	8
TOTAL SPACES	182



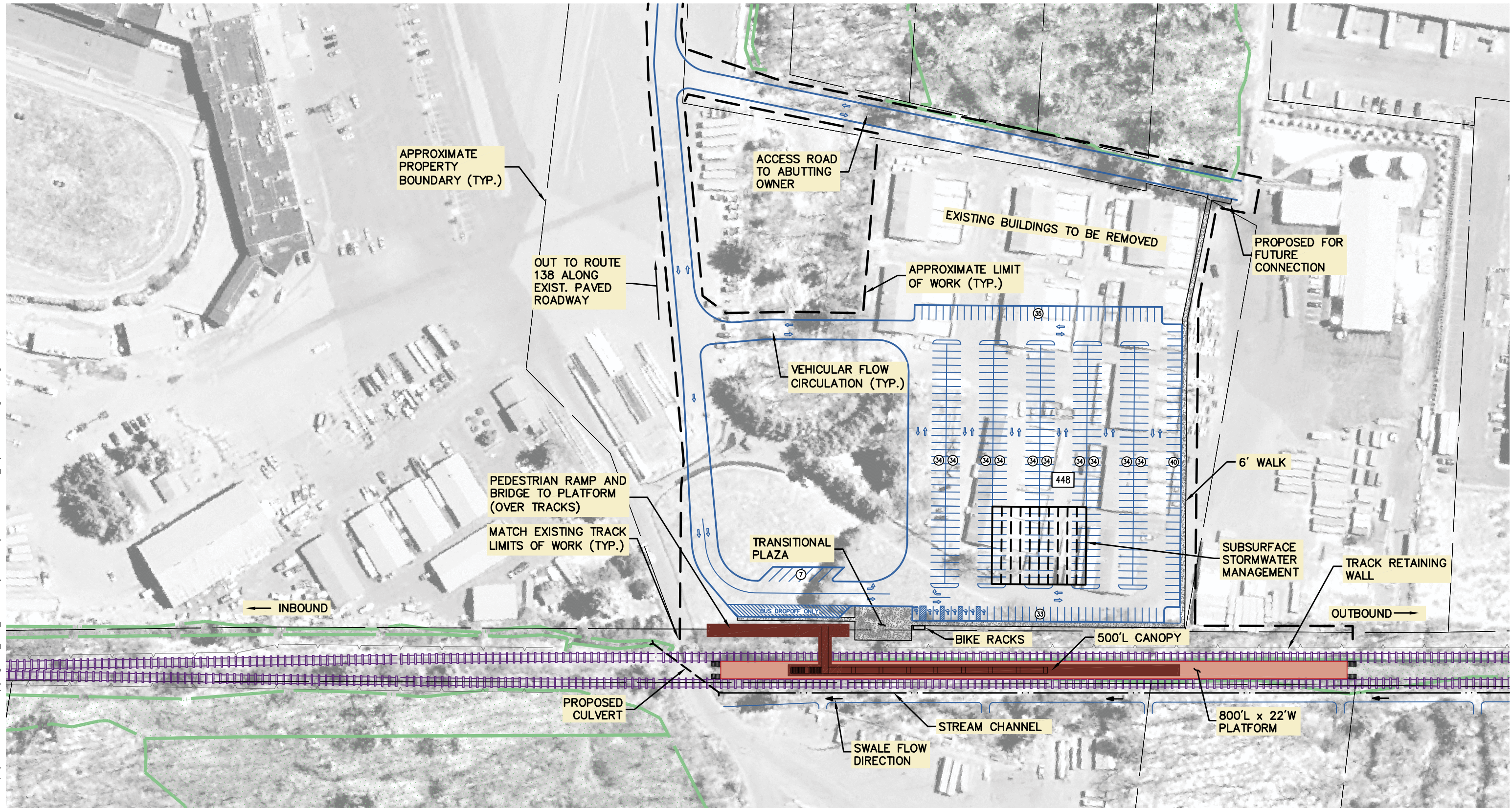
Legend

- Platform
- Canopy
- Transitional Plaza
- Proposed Track
- Existing Track
- Wetland
- Retaining Wall
- Property
- Proposed Roadway
- Limit of Work

Figure 4.16-26

Conceptual Layout of Freetown Station

\\Mabos\projects\10111.00\cad\A-prj\dwg\SCR_2008_Stations\Raynham - Raynham Place\10111_RaynhamPlace.dwg Printing Date: 8/21/2009



Parking Summary Chart

STANDARD SPACES	440
ACCESSIBLE SPACES	8
DROPOFF SPACES	7
TOTAL SPACES	455

- Legend**
- Platform
 - Canopy
 - Transitional Plaza
 - Proposed Track
 - Existing Track
 - Wetland
 - Retaining Wall
 - Property
 - Proposed Roadway
 - Limit of Work

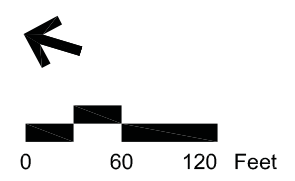
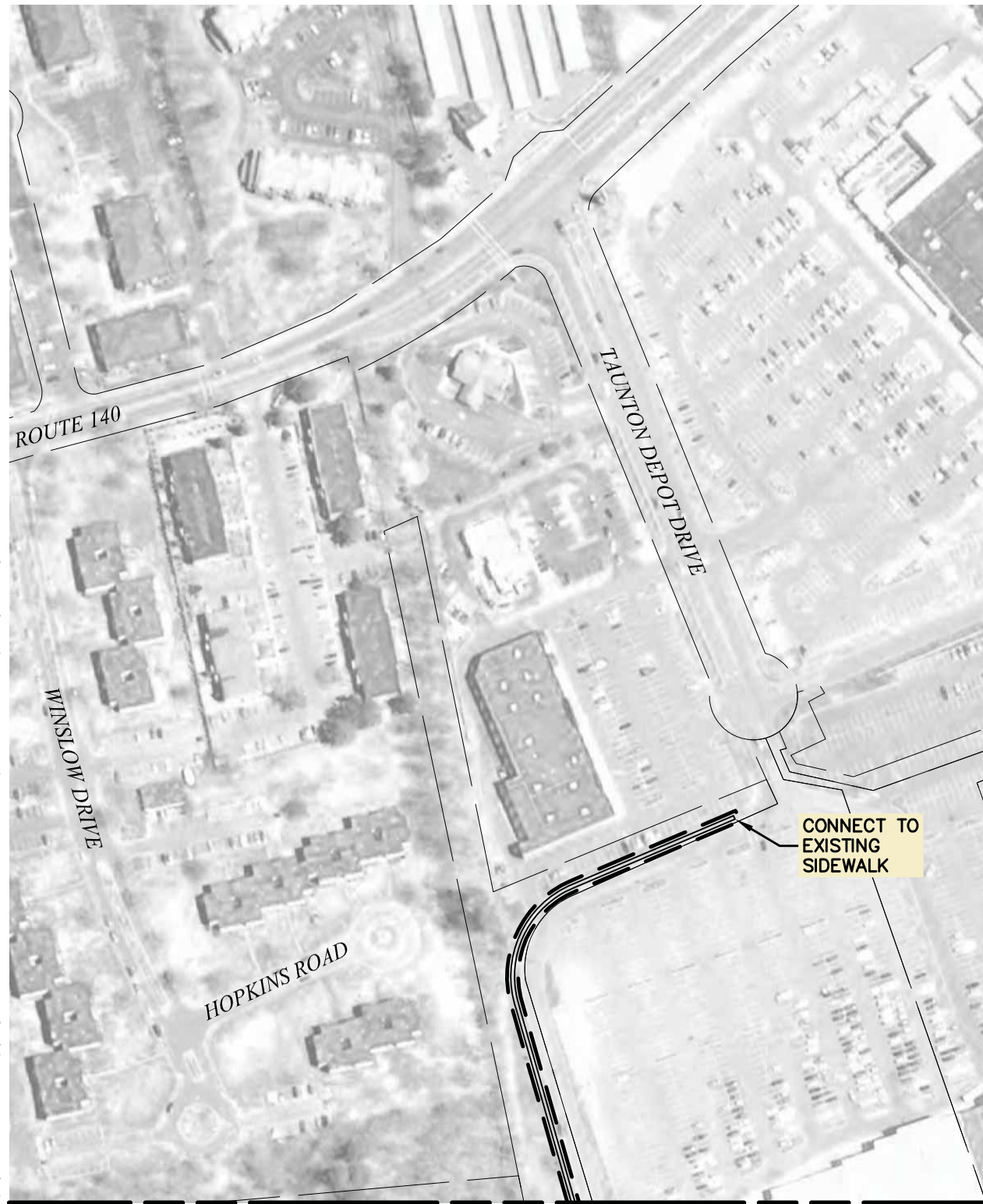
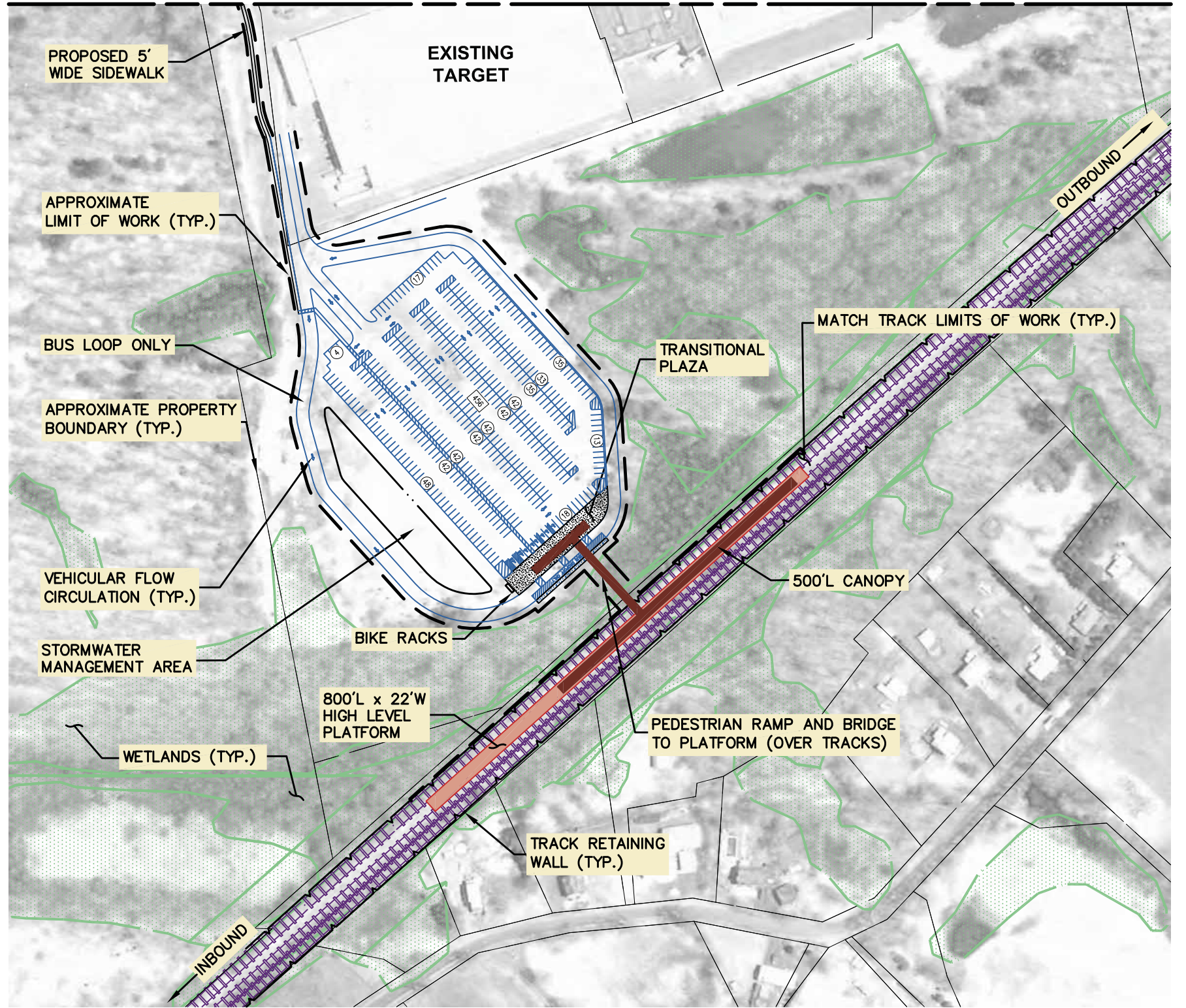


Figure 4.16-27
Conceptual Layout of Raynham Place Station

\\Mabos\projects\10111.00\cad\A-prj\dwg\SCR_2008_Station\Taunton - Taunton Depot\10111_TauntonDepot.dwg Printing Date: 8/21/2009



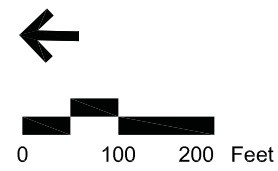
MATCH LINE SEE RIGHT



MATCH LINE SEE LEFT

Parking Summary Chart

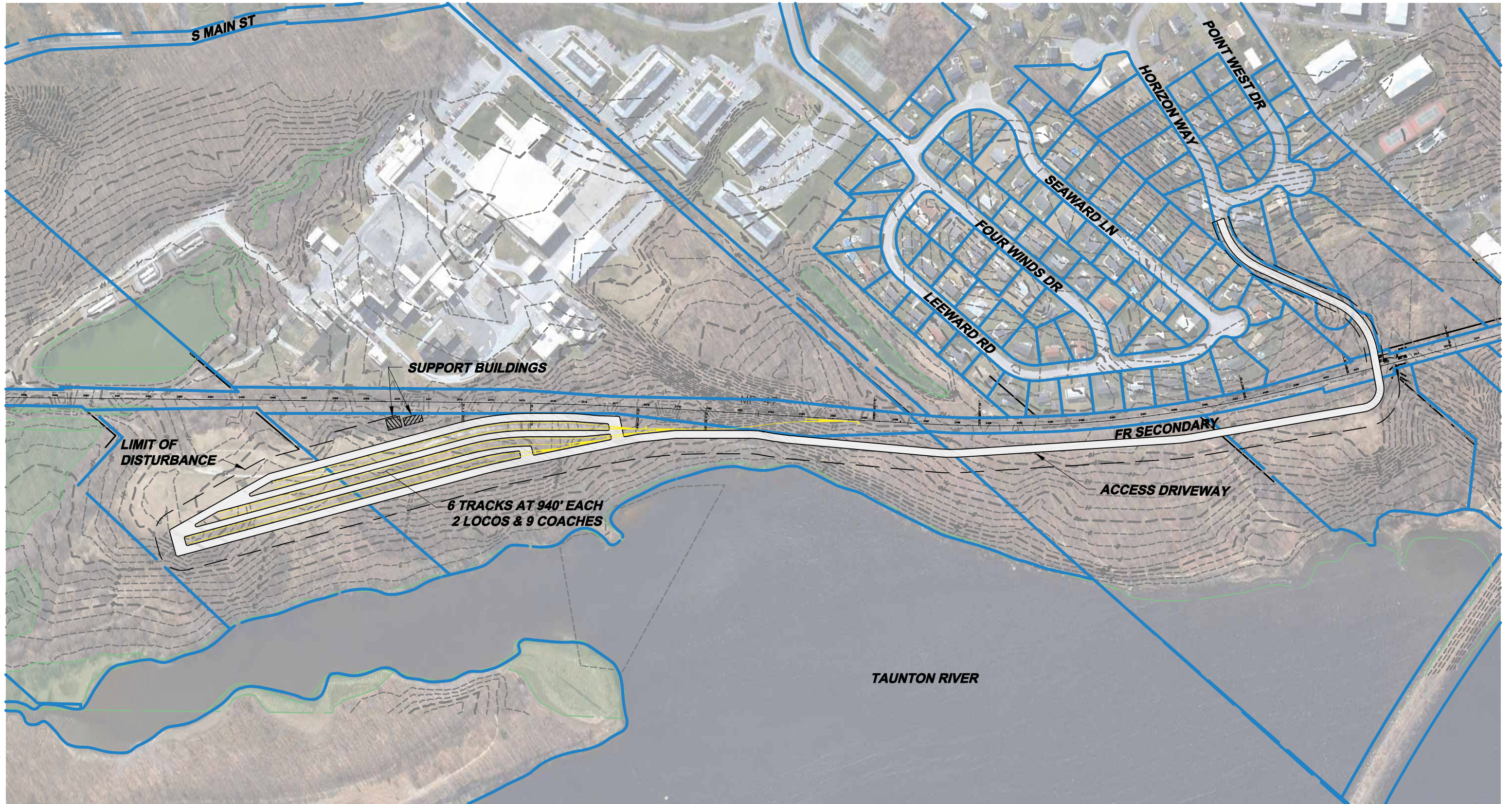
STANDARD SPACES	434
ACCESSIBLE SPACES	8
DROPOFF SPACES	14
TOTAL SPACES	456



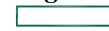











- Legend**
- Platform
 - Canopy
 - Transitional Plaza
 - Proposed Track
 - Existing Track
 - Wetland
 - Retaining Wall
 - Property
 - Proposed Roadway
 - Limit of Work

Figure 4.16-28
Conceptual Layout of
Taunton Depot Station

\\MABOS\projects\10111_00\cad\planning\Track\Alignments\LayoverYards\10111-PR-rati-5study.dwg Printing Date: 9/18/2009



Legend

- | | |
|---|---|
|  ACEC |  Public Water |
|  Open Space |  Vernal Pool |
|  Rare Species Estimated Habitat |  Zone 1 (Water Supply Protection Area) |
|  Rare Species Priority Habitat |  Property Line |
|  Wetland |  Pavement |
|  Zone A (400' Buffer of Public Water Supplies) |  Track |

Locus Map

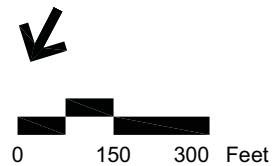
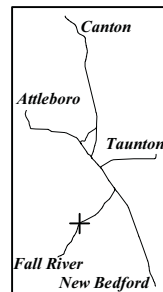


Figure 4.16-29

Conceptual Layout of
ISP Site Layover Facility