

RETAIL DEVELOPMENT ALTERNATIVES ANALYSIS
WETLAND FUNCTIONAL ANALYSIS FORM

SITE ID: Alternative Site 1 Wetlands Complex
SIZE: 38.9 acres
DOMINANT CLASSIFICATION: PFO1E/PEM1E

WETLAND TYPE

- | | |
|--|--|
| <input type="checkbox"/> Bog | <input type="checkbox"/> Potential Vernal Pool |
| <input checked="" type="checkbox"/> Deciduous Wooded Swamp | <input type="checkbox"/> River |
| <input type="checkbox"/> Drainage Swale | <input type="checkbox"/> Salt Marsh |
| <input type="checkbox"/> Evergreen Wooded Swamp | <input type="checkbox"/> Sand Dune |
| <input type="checkbox"/> Freshwater Deep Marsh | <input type="checkbox"/> Scrub-Shrub Swamp |
| <input checked="" type="checkbox"/> Freshwater Shallow Marsh | <input type="checkbox"/> Seasonal Stream |
| <input checked="" type="checkbox"/> Mixed Wooded Swamp | <input type="checkbox"/> Tidal Marsh |
| <input type="checkbox"/> Perennial Stream | <input type="checkbox"/> Wet Meadow |
| <input type="checkbox"/> Pond/Lake | |

GROUNDWATER RECHARGE/DISCHARGE

- | | |
|--|--|
| <input type="checkbox"/> Gravel or sands | <i>Function Present:</i> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <input type="checkbox"/> Till | <input type="checkbox"/> Marine/Lacustrine |

FLOODFLOW ALTERATION

- | | |
|--|--|
| <input type="checkbox"/> H <input type="checkbox"/> M <input checked="" type="checkbox"/> L Watershed position | <i>Function Present:</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> L <input checked="" type="checkbox"/> M <input type="checkbox"/> S Size relative to watershed | <input checked="" type="checkbox"/> Associated with water course |

SEDIMENT/TOXICANT/PATHOGEN RETENTION

- | | |
|--|--|
| <input checked="" type="checkbox"/> Sediment/toxicants sources present upslope | <i>Function Present:</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Flat wetland topo | <input type="checkbox"/> Associated w/ surface water |
| <input checked="" type="checkbox"/> Flood storage occurs | <input checked="" type="checkbox"/> Vegetation interspersion |
| | <input checked="" type="checkbox"/> Dense herbaceous |

NUTRIENT REMOVAL/RETENTION/TRANSFORMATION

- | | |
|---|--|
| Hydrologic regime | <i>Function Present:</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Open water | <input checked="" type="checkbox"/> Slow moving water |
| <input checked="" type="checkbox"/> Sediment trapping | <input checked="" type="checkbox"/> Organic soils |
| <input type="checkbox"/> Aquatic diversity abundance | |

PRODUCTION EXPORT

- | | |
|--|---|
| <input checked="" type="checkbox"/> Wildlife food sources | <i>Function Present:</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> L Vegetation Density | <input type="checkbox"/> H <input checked="" type="checkbox"/> M <input type="checkbox"/> L Diversity |
| <input type="checkbox"/> H <input checked="" type="checkbox"/> M <input type="checkbox"/> L Interspersion | <input type="checkbox"/> Aquatic plants |

SEDIMENT/SHORELINE STABILIZATION

- | | |
|--|--|
| Association w/ surface water: <input type="checkbox"/> Yes <input type="checkbox"/> No | <i>Function Present:</i> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <input type="checkbox"/> Bank or shoreline | <input type="checkbox"/> High flows |
| <input type="checkbox"/> Vegetated bank | <input type="checkbox"/> Channelized flow |

WILDLIFE HABITAT

- | | |
|---|--|
| <input checked="" type="checkbox"/> Wetland connections | <i>Function Present:</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Corridor | <input checked="" type="checkbox"/> Aquatic habitat |
| <input type="checkbox"/> Islands | <input checked="" type="checkbox"/> Fish habitat |

RETAIL DEVELOPMENT ALTERNATIVES ANALYSIS
WETLAND FUNCTIONAL ANALYSIS FORM

SITE ID: Alternative Site 2 Wetlands Complex

SIZE: 31.1 acres

DOMINANT CLASSIFICATION: PFO1E

WETLAND TYPE

- | | |
|--|--|
| <input type="checkbox"/> Bog | <input type="checkbox"/> Potential Vernal Pool |
| <input checked="" type="checkbox"/> Deciduous Wooded Swamp | <input type="checkbox"/> River |
| <input type="checkbox"/> Drainage Swale | <input type="checkbox"/> Salt Marsh |
| <input type="checkbox"/> Evergreen Wooded Swamp | <input type="checkbox"/> Sand Dune |
| <input type="checkbox"/> Freshwater Deep Marsh | <input type="checkbox"/> Scrub-Shrub Swamp |
| <input type="checkbox"/> Freshwater Shallow Marsh | <input type="checkbox"/> Seasonal Stream |
| <input type="checkbox"/> Mixed Wooded Swamp | <input type="checkbox"/> Tidal Marsh |
| <input type="checkbox"/> Perennial Stream | <input type="checkbox"/> Wet Meadow |
| <input type="checkbox"/> Pond/Lake | |

GROUNDWATER RECHARGE/DISCHARGE

- Gravel or sands
 Till

Function Present: Yes No

- Marine/Lacustrine

FLOODFLOW ALTERATION

- H M L Watershed position
 L M S Size relative to watershed

Function Present: Yes No

- Associated with water course

SEDIMENT/TOXICANT/PATHOGEN RETENTION

- Sediment/toxicants sources present upslope
 Flat wetland topo
 Flood storage occurs

Function Present: Yes No

- Associated w/ surface water
 Vegetation interspersion
 Dense herbaceous

NUTRIENT REMOVAL/RETENTION/TRANSFORMATION

Hydrologic regime

- Open water
 Sediment trapping
 Aquatic diversity abundance

Function Present: Yes No

- Slow moving water
 Organic soils

PRODUCTION EXPORT

- Wildlife food sources
 H M L Vegetation Density
 H M L Interspersion

Function Present: Yes No

- H M L Diversity
 Aquatic plants

SEDIMENT/SHORELINE STABILIZATION

Association w/ surface water: Yes No

- Bank or shoreline
 Vegetated bank

Function Present: Yes No

- High flows
 Channelized flow

WILDLIFE HABITAT

- Wetland connections
 Corridor
 Islands

Function Present: Yes No

- Aquatic habitat
 Fish habitat

RETAIL DEVELOPMENT ALTERNATIVES ANALYSIS
WETLAND FUNCTIONAL ANALYSIS FORM

SITE ID: Alternative Site 3 Wetlands Complex

SIZE: 27.9 acres

DOMINANT CLASSIFICATION: PFO1/4E

WETLAND TYPE

- | | |
|--|--|
| <input type="checkbox"/> Bog | <input type="checkbox"/> Potential Vernal Pool |
| <input type="checkbox"/> Deciduous Wooded Swamp | <input type="checkbox"/> River |
| <input type="checkbox"/> Drainage Swale | <input type="checkbox"/> Salt Marsh |
| <input type="checkbox"/> Evergreen Wooded Swamp | <input type="checkbox"/> Sand Dune |
| <input type="checkbox"/> Freshwater Deep Marsh | <input type="checkbox"/> Scrub-Shrub Swamp |
| <input checked="" type="checkbox"/> Freshwater Shallow Marsh | <input type="checkbox"/> Seasonal Stream |
| <input checked="" type="checkbox"/> Mixed Wooded Swamp | <input type="checkbox"/> Tidal Marsh |
| <input type="checkbox"/> Perennial Stream | <input type="checkbox"/> Wet Meadow |
| <input checked="" type="checkbox"/> Pond/Lake | |

GROUNDWATER RECHARGE/DISCHARGE

- | | |
|---|--|
| <input checked="" type="checkbox"/> Gravel or sands | <i>Function Present:</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Till | <input type="checkbox"/> Marine/Lacustrine |

FLOODFLOW ALTERATION

- | | |
|--|--|
| <input type="checkbox"/> H <input checked="" type="checkbox"/> M <input type="checkbox"/> L Watershed position | <i>Function Present:</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> L <input checked="" type="checkbox"/> M <input type="checkbox"/> S Size relative to watershed | <input type="checkbox"/> Associated with water course |

SEDIMENT/TOXICANT/PATHOGEN RETENTION

- | | |
|--|--|
| <input checked="" type="checkbox"/> Sediment/toxicants sources present upslope | <i>Function Present:</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Flat wetland topo | <input type="checkbox"/> Associated w/ surface water |
| <input checked="" type="checkbox"/> Flood storage occurs | <input type="checkbox"/> Vegetation interspersion |
| | <input type="checkbox"/> Dense herbaceous |

NUTRIENT REMOVAL/RETENTION/TRANSFORMATION

- | | |
|---|--|
| Hydrologic regime | <i>Function Present:</i> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <input type="checkbox"/> Open water | <input type="checkbox"/> Slow moving water |
| <input checked="" type="checkbox"/> Sediment trapping | <input checked="" type="checkbox"/> Organic soils |
| <input type="checkbox"/> Aquatic diversity abundance | |

PRODUCTION EXPORT

- | | |
|--|---|
| <input type="checkbox"/> Wildlife food sources | <i>Function Present:</i> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <input type="checkbox"/> H <input checked="" type="checkbox"/> M <input type="checkbox"/> L Vegetation Density | <input type="checkbox"/> H <input type="checkbox"/> M <input checked="" type="checkbox"/> L Diversity |
| <input type="checkbox"/> H <input type="checkbox"/> M <input checked="" type="checkbox"/> L Interspersion | <input type="checkbox"/> Aquatic plants |

SEDIMENT/SHORELINE STABILIZATION

- | | |
|--|--|
| Association w/ surface water: <input type="checkbox"/> Yes <input type="checkbox"/> No | <i>Function Present:</i> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <input type="checkbox"/> Bank or shoreline | <input type="checkbox"/> High flows |
| <input type="checkbox"/> Vegetated bank | <input type="checkbox"/> Channelized flow |

WILDLIFE HABITAT

- | | |
|--|--|
| <input type="checkbox"/> Wetland connections | <i>Function Present:</i> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Corridor | <input type="checkbox"/> Aquatic habitat |
| <input type="checkbox"/> Islands | <input type="checkbox"/> Fish habitat |

RETAIL DEVELOPMENT ALTERNATIVES ANALYSIS
WETLAND FUNCTIONAL ANALYSIS FORM

SITE ID: Alternative Site 4 Wetlands Complex

SIZE: 58.0 acres

DOMINANT CLASSIFICATION: PFO1E

WETLAND TYPE

- | | |
|--|---|
| <input type="checkbox"/> Bog | <input type="checkbox"/> Potential Vernal Pool |
| <input checked="" type="checkbox"/> Deciduous Wooded Swamp | <input type="checkbox"/> River |
| <input type="checkbox"/> Drainage Swale | <input type="checkbox"/> Salt Marsh |
| <input type="checkbox"/> Evergreen Wooded Swamp | <input type="checkbox"/> Sand Dune |
| <input type="checkbox"/> Freshwater Deep Marsh | <input checked="" type="checkbox"/> Scrub-Shrub Swamp |
| <input checked="" type="checkbox"/> Freshwater Shallow Marsh | <input type="checkbox"/> Seasonal Stream |
| <input type="checkbox"/> Mixed Wooded Swamp | <input type="checkbox"/> Tidal Marsh |
| <input checked="" type="checkbox"/> Perennial Stream | <input type="checkbox"/> Wet Meadow |
| <input type="checkbox"/> Pond/Lake | |

GROUNDWATER RECHARGE/DISCHARGE

- Gravel or sands
 Till

Function Present: Yes No

- Marine/Lacustrine

FLOODFLOW ALTERATION

- H M L Watershed position
 L M S Size relative to watershed

Function Present: Yes No

- Associated with water course

SEDIMENT/TOXICANT/PATHOGEN RETENTION

- Sediment/toxicants sources present upslope
 Flat wetland topo
 Flood storage occurs

Function Present: Yes No

- Associated w/ surface water
 Vegetation interspersion
 Dense herbaceous

NUTRIENT REMOVAL/RETENTION/TRANSFORMATION

Function Present: Yes No

Hydrologic regime

- | | |
|---|---|
| <input type="checkbox"/> Open water | <input checked="" type="checkbox"/> Slow moving water |
| <input checked="" type="checkbox"/> Sediment trapping | <input checked="" type="checkbox"/> Organic soils |
| <input type="checkbox"/> Aquatic diversity abundance | |

PRODUCTION EXPORT

Function Present: Yes No

- | | |
|--|--|
| <input type="checkbox"/> Wildlife food sources | <input type="checkbox"/> H <input type="checkbox"/> M <input type="checkbox"/> L Diversity |
| <input type="checkbox"/> H <input checked="" type="checkbox"/> M <input type="checkbox"/> L Vegetation Density | <input type="checkbox"/> Aquatic plants |
| <input type="checkbox"/> H <input checked="" type="checkbox"/> M <input type="checkbox"/> L Interspersion | |

SEDIMENT/SHORELINE STABILIZATION

Function Present: Yes No

Association w/ surface water: Yes No

- | | |
|---|--|
| <input checked="" type="checkbox"/> Bank or shoreline | <input checked="" type="checkbox"/> High flows |
| <input checked="" type="checkbox"/> Vegetated bank | <input type="checkbox"/> Channelized flow |

WILDLIFE HABITAT

Function Present: Yes No

- | | |
|---|---|
| <input checked="" type="checkbox"/> Wetland connections | <input checked="" type="checkbox"/> Aquatic habitat |
| <input type="checkbox"/> Corridor | <input checked="" type="checkbox"/> Fish habitat |
| <input type="checkbox"/> Islands | |