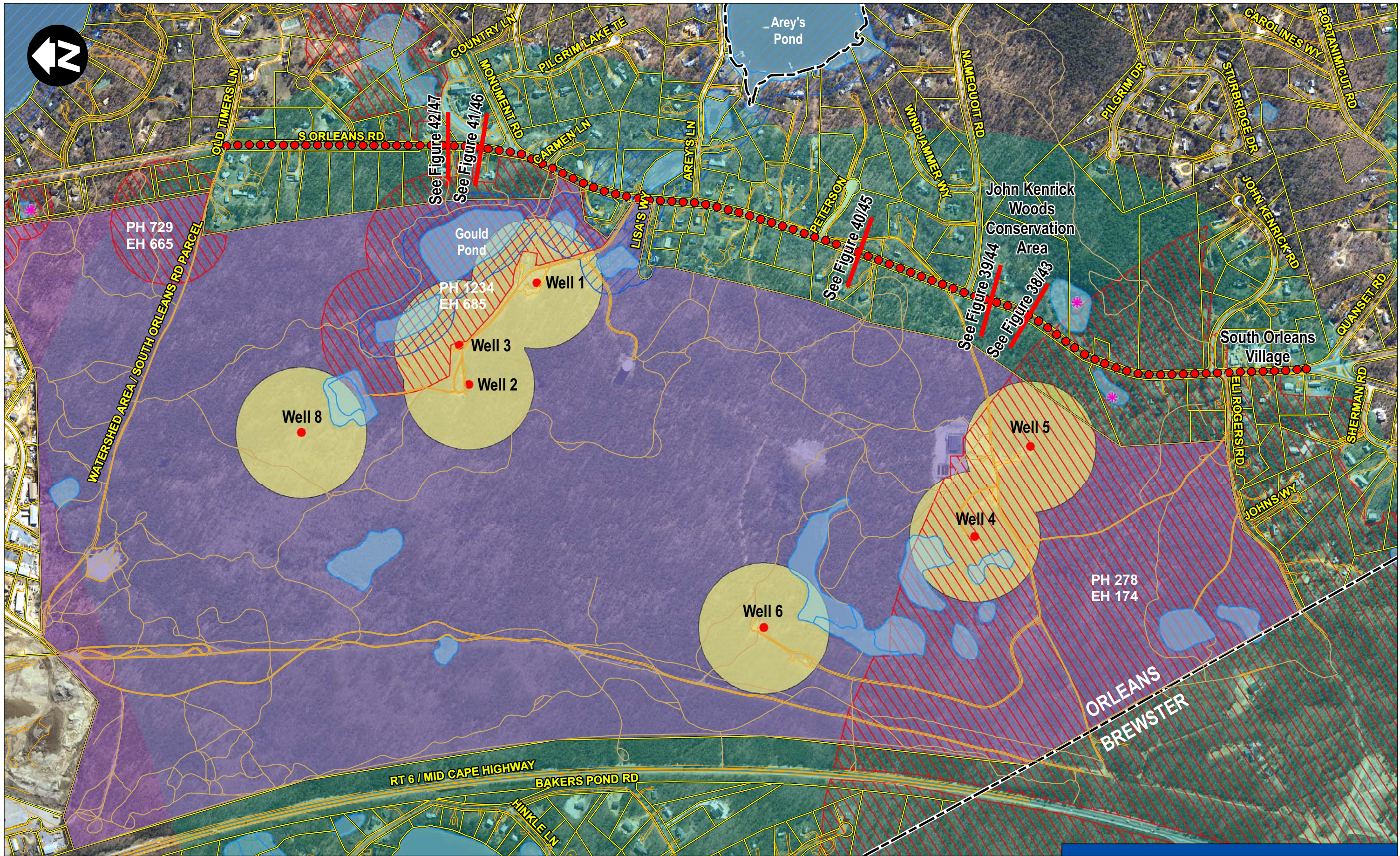
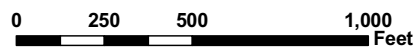


Appendix D – Alternative Maps

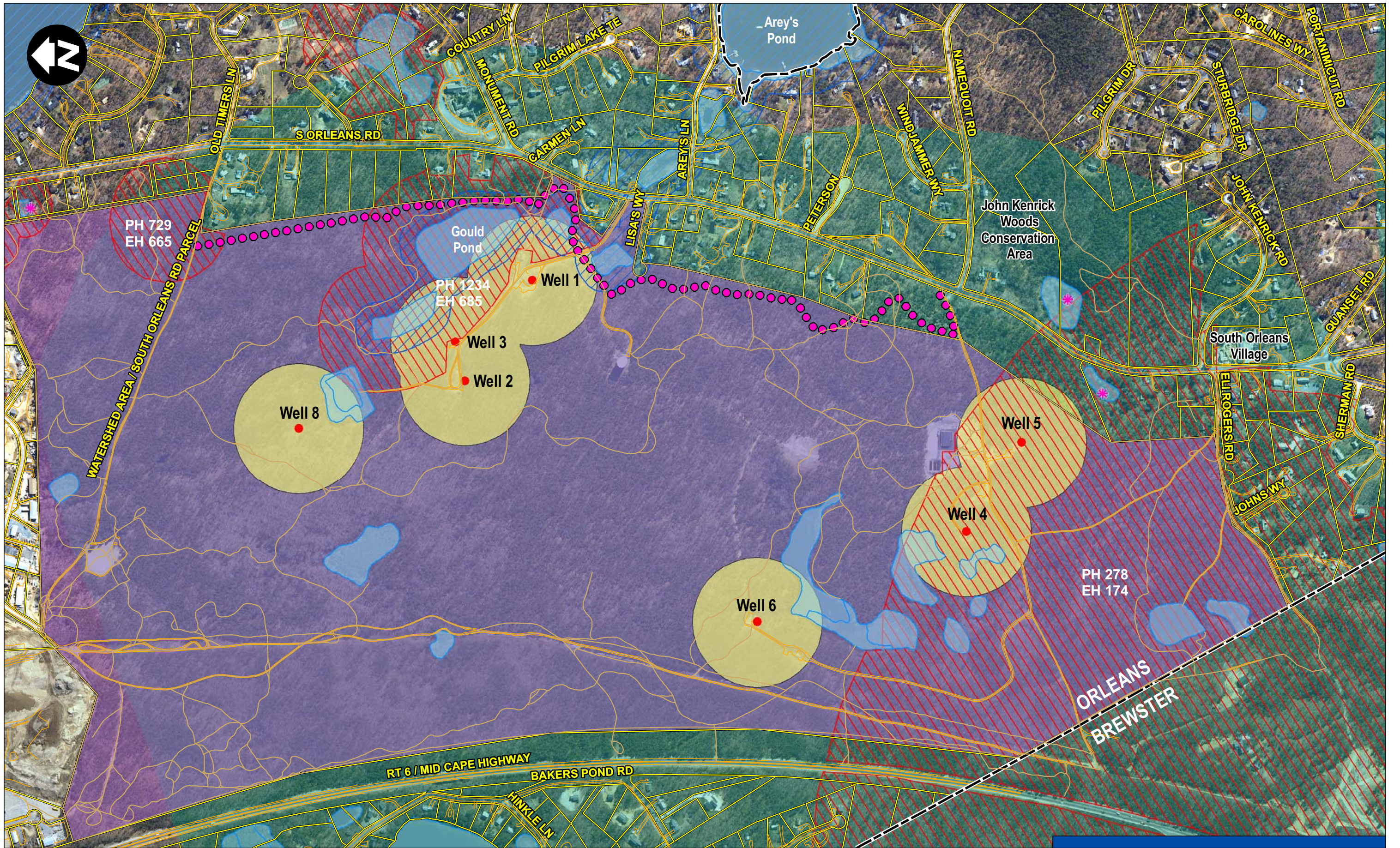


Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.

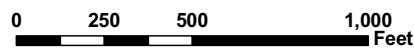


Legend	
	Alignment Alternative 1A
	Representative Cross Section
	Existing Trail
	Property Lines
	DEP Wetlands
	Stream
	NHESP Certified Vernal Pool
	Watershed Property
	Water Well Location
	Zone I Wellhead Protection Area (400' Radius)
	Zone II Wellhead Protection Area
	Rare Species Habitat
	Pleasant Bay Area of Critical Environmental Concern (ACEC)

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-1: Alternative 1A Map
 Sheet 1 of 1

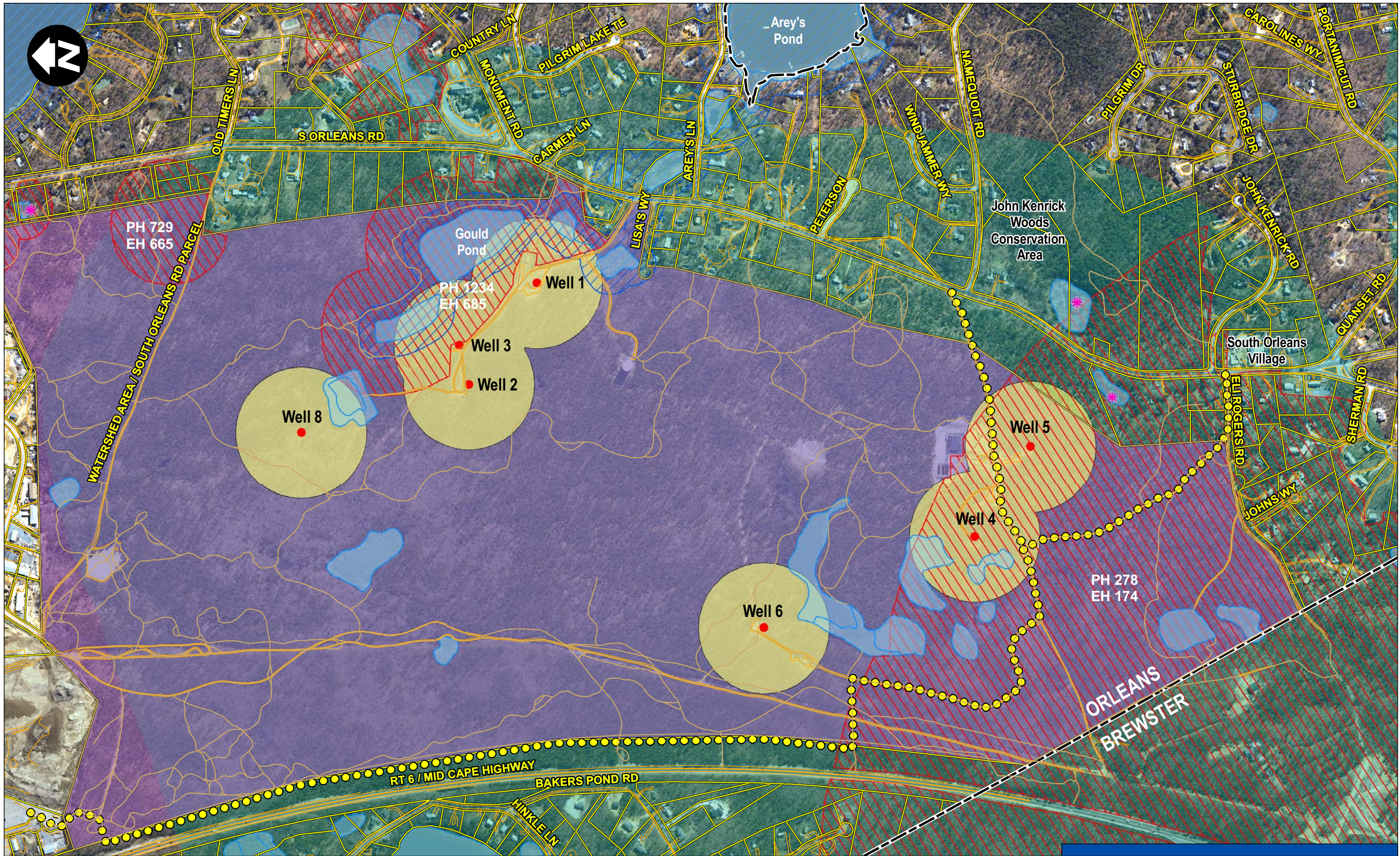


Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.



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|----------------|-----------------------------|---|----------------------|--|
| Legend | Alignment Alternative 1B | DEP Wetlands | Watershed Property | Zone II Wellhead Protection Area |
| Existing Trail | Stream | Water Well Location | Rare Species Habitat | Pleasant Bay Area of Critical Environmental Concern (ACEC) |
| Property Lines | NHESP Certified Vernal Pool | Zone I Wellhead Protection Area (400' Radius) | | |

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-2: Alternative 1B Map
 Sheet 1 of 1

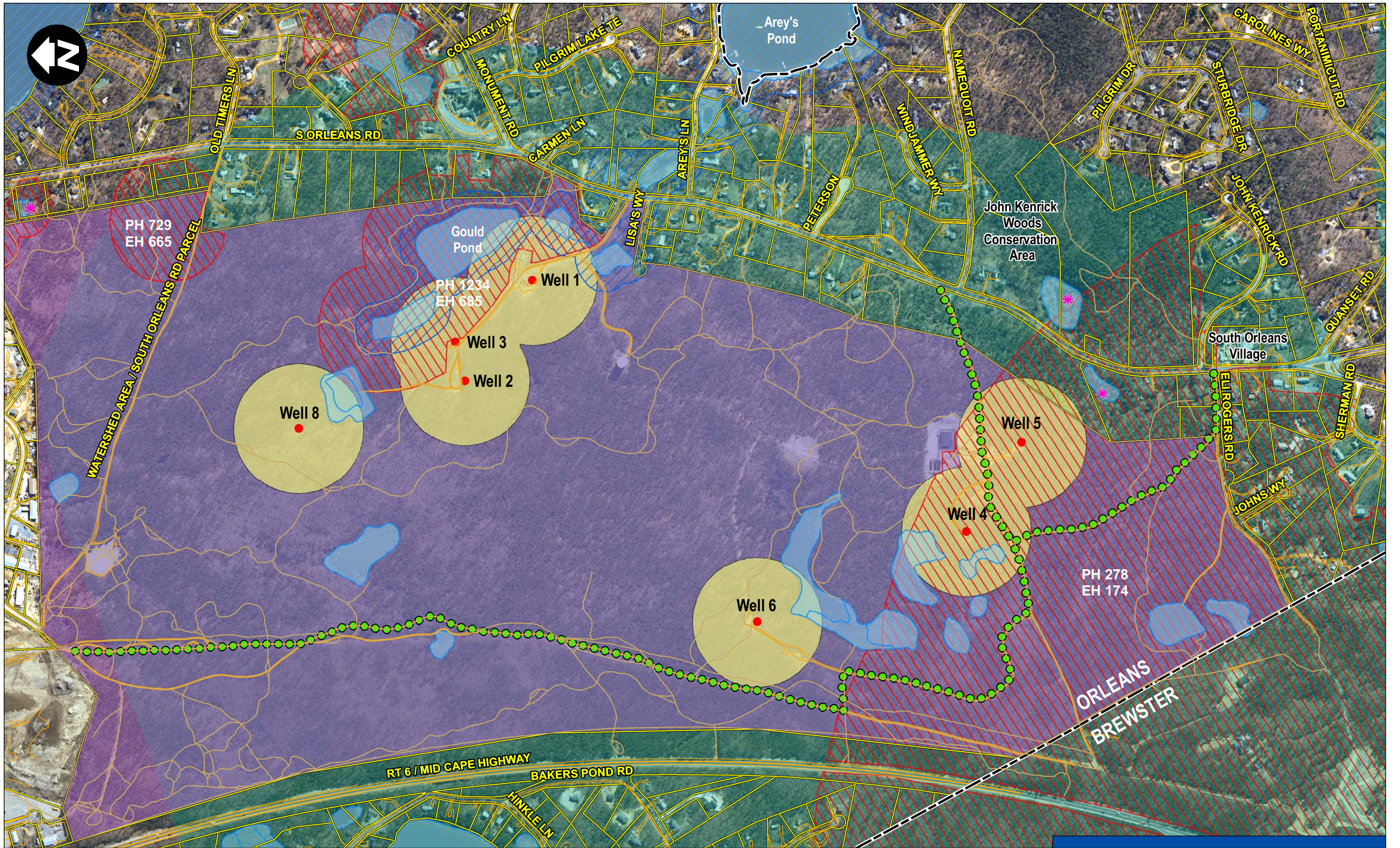


Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.



Legend	
	Alignment Alternative 1C
	Existing Trail
	Property Lines
	DEP Wetlands
	Stream
	NHESP Certified Vernal Pool
	Watershed Property
	Water Well Location
	Zone I Wellhead Protection Area (400' Radius)
	Zone II Wellhead Protection Area
	Rare Species Habitat
	Pleasant Bay Area of Critical Environmental Concern (ACEC)

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-3: Alternative 1C Map
 Sheet 1 of 1

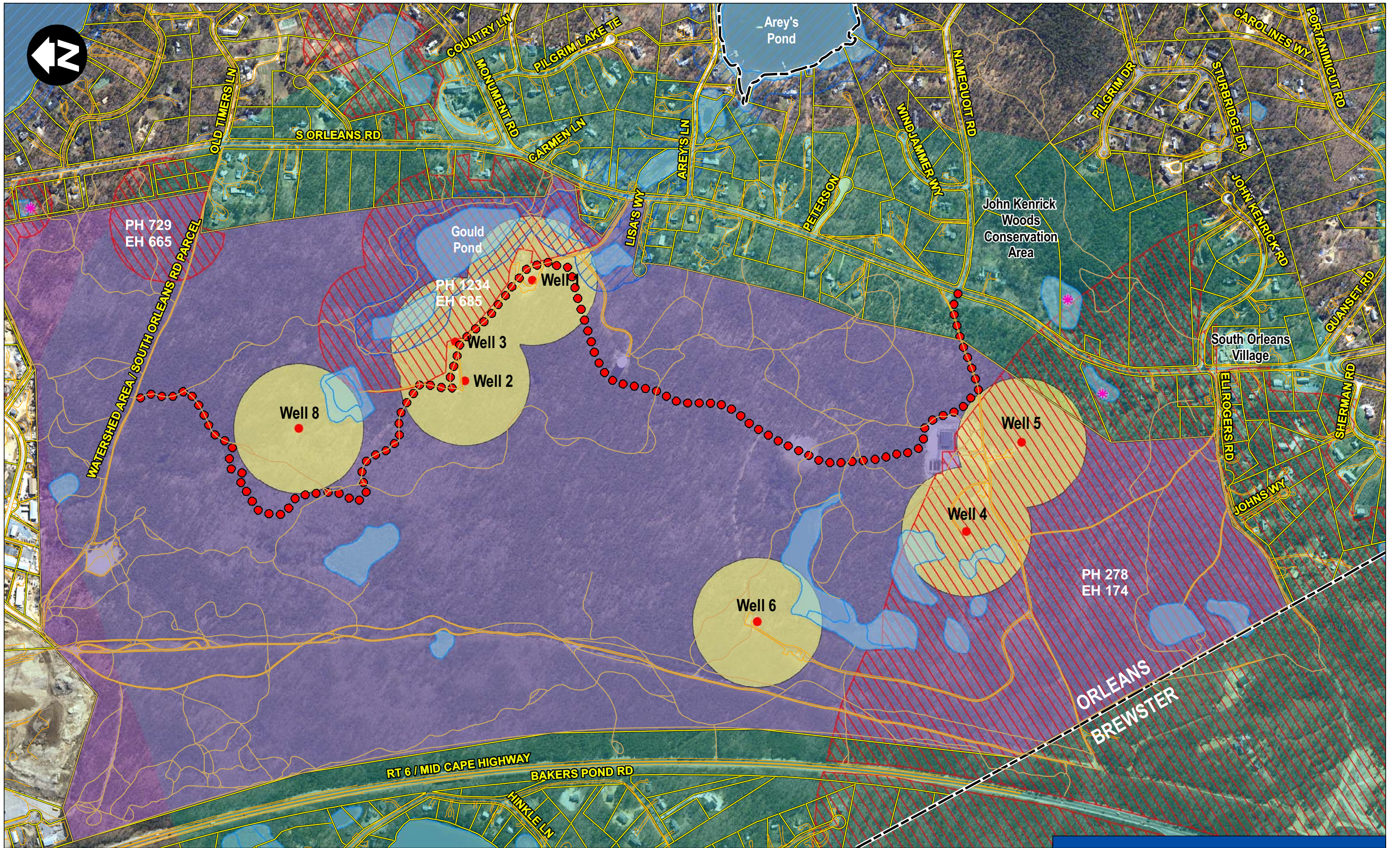


Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.

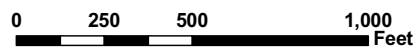


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|---------------|--------------------------|-----------------------------|---|--|
| Legend | Alignment Alternative 1D | DEP Wetlands | Watershed Property | Zone II Wellhead Protection Area |
| | Existing Trail | Stream | Rare Species Habitat | Pleasant Bay Area of Critical Environmental Concern (ACEC) |
| | Property Lines | NHESP Certified Vernal Pool | Zone I Wellhead Protection Area (400' Radius) | |
| | | | Water Well Location | |

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-4: Alternative 1D Map
 Sheet 1 of 1

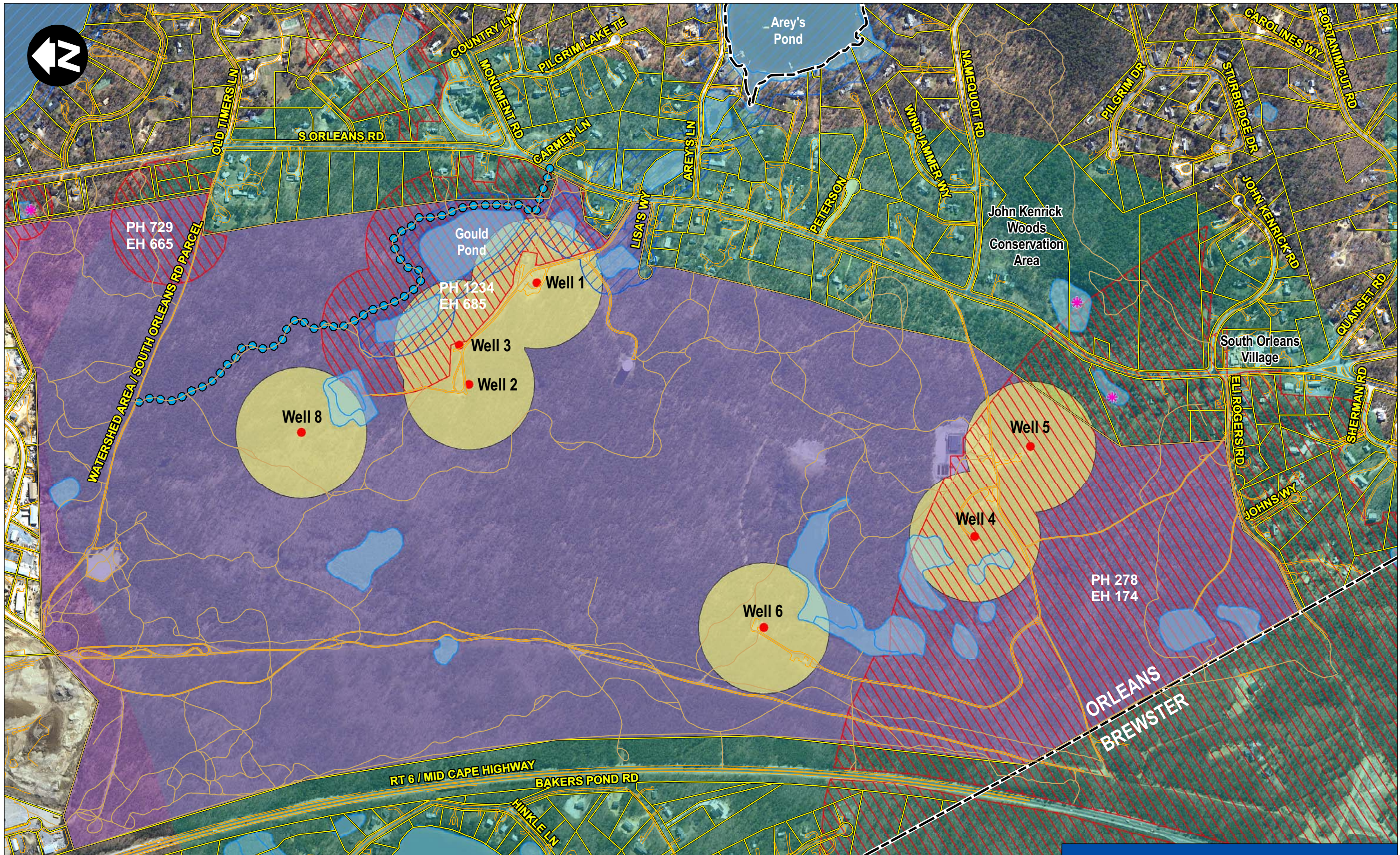


Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.



Legend	
	Alignment Alternative 1E
	Existing Trail
	Property Lines
	DEP Wetlands
	Stream
	NHESP Certified Vernal Pool
	Watershed Property
	Water Well Location
	Zone I Wellhead Protection Area (400' Radius)
	Zone II Wellhead Protection Area
	Rare Species Habitat
	Pleasant Bay Area of Critical Environmental Concern (ACEC)

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-5: Alternative 1E Map
 Sheet 1 of 1

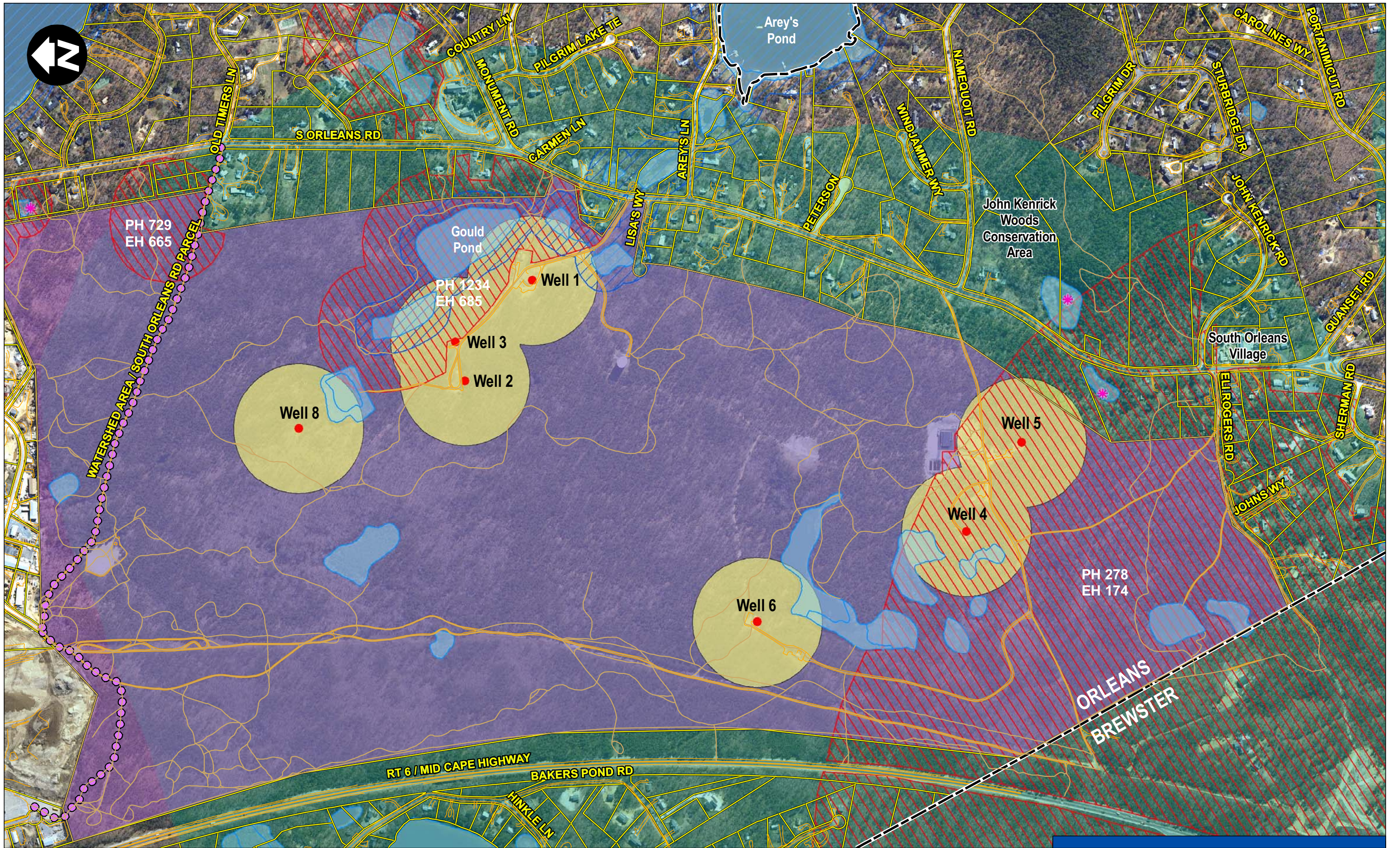


Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.

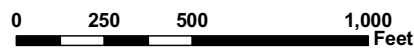


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|----------------|-----------------------------|---|---------------------|--|
| Legend | Alignment Alternative 1F | DEP Wetlands | Watershed Property | Zone II Wellhead Protection Area |
| Existing Trail | Stream | Rare Species Habitat | Water Well Location | Pleasant Bay Area of Critical Environmental Concern (ACEC) |
| Property Lines | NHESP Certified Vernal Pool | Zone I Wellhead Protection Area (400' Radius) | | |

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-6: Alternative 1F Map
 Sheet 1 of 1



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.

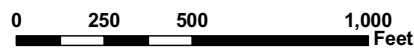


Legend	
	Alignment Alternative 1G
	Existing Trail
	Property Lines
	DEP Wetlands
	Stream
	NHESP Certified Vernal Pool
	Watershed Property
	Water Well Location
	Zone I Wellhead Protection Area (400' Radius)
	Zone II Wellhead Protection Area
	Rare Species Habitat
	Pleasant Bay Area of Critical Environmental Concern (ACEC)

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-7: Alternative 1G Map
 Sheet 1 of 1



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.



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|------------------------------|--------------------------|-----------------------------|--|----------------------------------|
| Legend | Alignment Alternative 2A | DEP Wetlands | Watershed Property | Zone II Wellhead Protection Area |
| Representative Cross Section | Stream | NHESP Certified Vernal Pool | Zone I Wellhead Protection Area (400' Radius) | Rare Species Habitat |
| Property Lines | | | Pleasant Bay Area of Critical Environmental Concern (ACEC) | |

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
Orleans, Massachusetts

Figure D-8: Alternative 2A Map



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.

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|------------------------------|--------------------------|-----------------------------|--|----------------------------------|
| Legend | Alignment Alternative 2B | DEP Wetlands | Watershed Property | Zone II Wellhead Protection Area |
| Representative Cross Section | Stream | NHESP Certified Vernal Pool | Zone I Wellhead Protection Area (400' Radius) | Rare Species Habitat |
| Property Lines | | | Pleasant Bay Area of Critical Environmental Concern (ACEC) | |

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-9: Alternative 2B Map
 Sheet 1 of 1



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.



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|------------------------------|--------------------------|-----------------------------|--|----------------------------------|
| Legend | Alignment Alternative 2C | DEP Wetlands | Watershed Property | Zone II Wellhead Protection Area |
| Representative Cross Section | Stream | NHESP Certified Vernal Pool | Zone I Wellhead Protection Area (400' Radius) | Rare Species Habitat |
| Property Lines | | | Pleasant Bay Area of Critical Environmental Concern (ACEC) | |

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-10: Alternative 2C Map
 Sheet 1 of 1



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.



Legend	
	Alignment Alternative 2D
	Representative Cross Section
	Property Lines
	DEP Wetlands
	Stream
	NHPSP Certified Vernal Pool
	Watershed Property
	Water Well Location
	Zone I Wellhead Protection Area (400' Radius)
	Zone II Wellhead Protection Area
	Rare Species Habitat
	Pleasant Bay Area of Critical Environmental Concern (ACEC)

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-11: Alternative 2D Map
 Sheet 1 of 1



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.



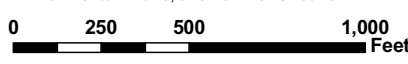
- | | | | | |
|------------------------------|-----------------------------|---|----------------------|--|
| Legend | Alignment Alternative 2E | DEP Wetlands | Watershed Property | Zone II Wellhead Protection Area |
| Representative Cross Section | Stream | Water Well Location | Rare Species Habitat | Pleasant Bay Area of Critical Environmental Concern (ACEC) |
| Property Lines | NHESP Certified Vernal Pool | Zone I Wellhead Protection Area (400' Radius) | | |

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
Orleans, Massachusetts

Figure D-12: Alternative 2E Map



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.

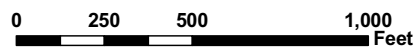


Legend	
	Alignment Alternative 3A
	Representative Cross Section
	Property Lines
	DEP Wetlands
	Stream
	NHESP Certified Vernal Pool
	Watershed Property
	Water Well Location
	Zone I Wellhead Protection Area (400' Radius)
	Zone II Wellhead Protection Area
	Rare Species Habitat
	Pleasant Bay Area of Critical Environmental Concern (ACEC)

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-13: Alternative 3A Map
 Sheet 1 of 1



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.



Legend	
	Alignment Alternative 3B
	Representative Cross Section
	Property Lines
	DEP Wetlands
	Stream
	NHESP Certified Vernal Pool
	Watershed Property
	Water Well Location
	Zone I Wellhead Protection Area (400' Radius)
	Zone II Wellhead Protection Area
	Rare Species Habitat
	Pleasant Bay Area of Critical Environmental Concern (ACEC)

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
 Orleans, Massachusetts
 Figure D-14: Alternative 3B Map
 Sheet 1 of 1



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.



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|------------------------------|-----------------------------|---|----------------------|--|
| Legend | Alignment Alternative 3C | DEP Wetlands | Watershed Property | Zone II Wellhead Protection Area |
| Representative Cross Section | Stream | Water Well Location | Rare Species Habitat | Pleasant Bay Area of Critical Environmental Concern (ACEC) |
| Property Lines | NHESP Certified Vernal Pool | Zone I Wellhead Protection Area (400' Radius) | | |

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
Orleans, Massachusetts

Figure D-15: Alternative 3C Map



Data Source: The Office of Geographic and Environmental Information (MassGIS) Commonwealth of Massachusetts Executive Office of Environmental Affairs, and Town of Orleans.

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|------------------------------|-----------------------------|---|----------------------|--|
| Legend | Alignment Alternative 3D | DEP Wetlands | Watershed Property | Zone II Wellhead Protection Area |
| Representative Cross Section | Stream | Water Well Location | Rare Species Habitat | Pleasant Bay Area of Critical Environmental Concern (ACEC) |
| Property Lines | NHESP Certified Vernal Pool | Zone I Wellhead Protection Area (400' Radius) | | |

0 250 500 1,000 Feet

SOUTH ORLEANS TO ORLEANS TRAIL STUDY
Orleans, Massachusetts

Figure D-16: Alternative 3D Map