



Site Property created from Arcadis CAD drawings received December 2015.  
 United States Geological Survey topographic maps accessed via ArcGIS Online  
 and provided by National Geographic Society and-cubed on 27 December 2017.  
 Morristown (1982) and Chatham (1982) quadrangles are shown.

2,000 1,000 0 2,000 Feet



#### Legend

-  Edge of landfilled wastes (dashed where approximate)
-  Waste and debris observed on ground surface but not observed or anticipated below ground surface

### Site Location

ROLLING KNOLLS LANDFILL SUPERFUND SITE  
 CHATHAM, NEW JERSEY

**Geosyntec**  
 consultants

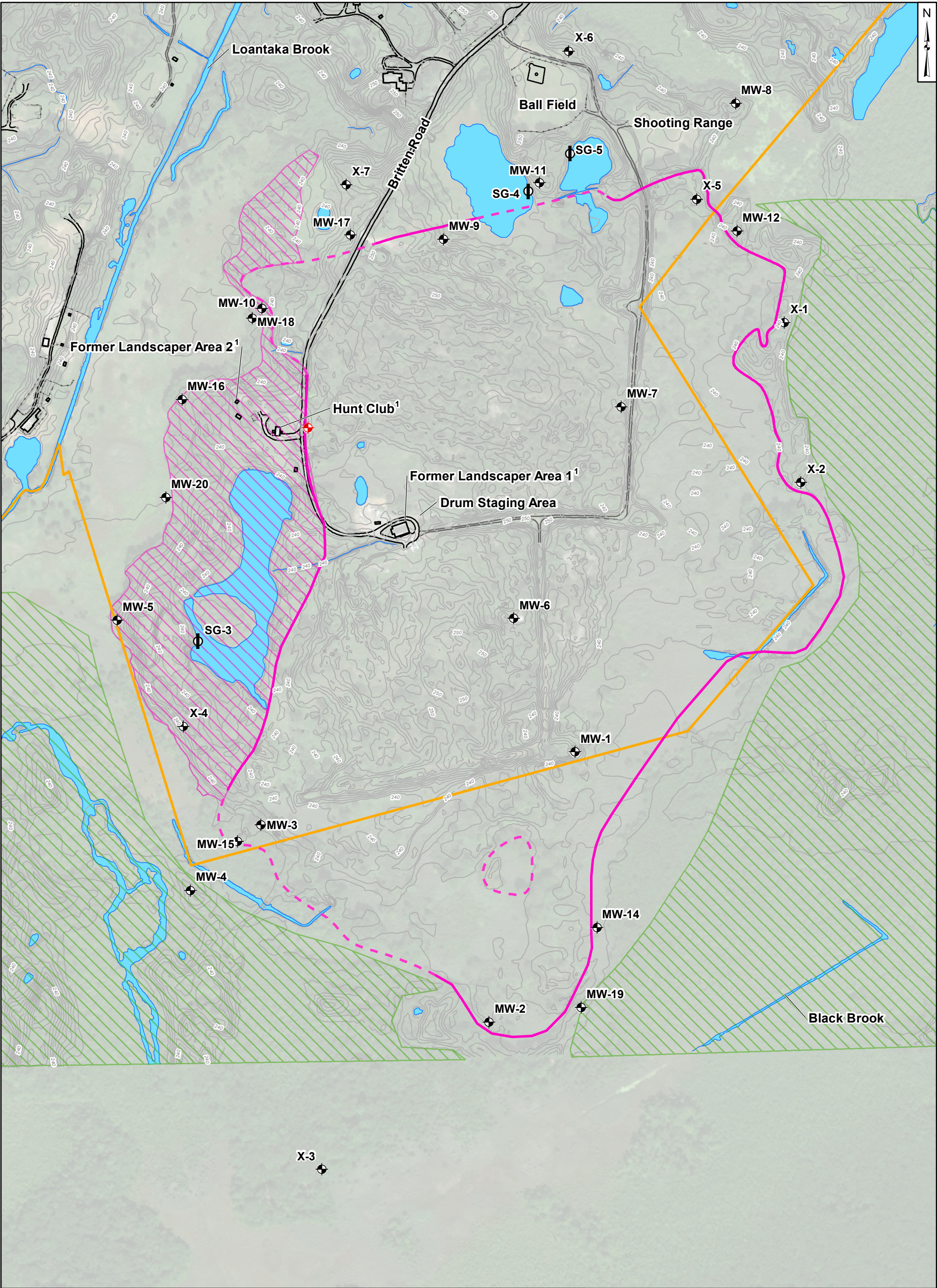
Figure

1-1

Princeton, NJ

May 2018





Note 1: These features to be removed from landfill area prior to completion of soil remedy.  
Site Plan created from Arcadis CAD drawings received December 2015.  
Aerial imagery accessed via ArcGIS Online and provided by the United States Department of Agriculture on 12 March 2018.  
Image is dated 31 July 2015.

Non-Potable Supply Well

Monitoring Well Location

Staff Gauge Location

Edge of landfilled wastes (dashed where approximate)

Great Swamp National Wildlife Refuge property boundary

Areas where surface water flow does not exhibit typical bed and bank morphology

Waste and debris observed on ground surface but not observed or anticipated below ground surface

Open water

4002000400 Feet

Site Plan

ROLLING KNOLLS LANDFILL SUPERFUND SITE  
CHATHAM, NEW JERSEY

Geosyntec

consultants

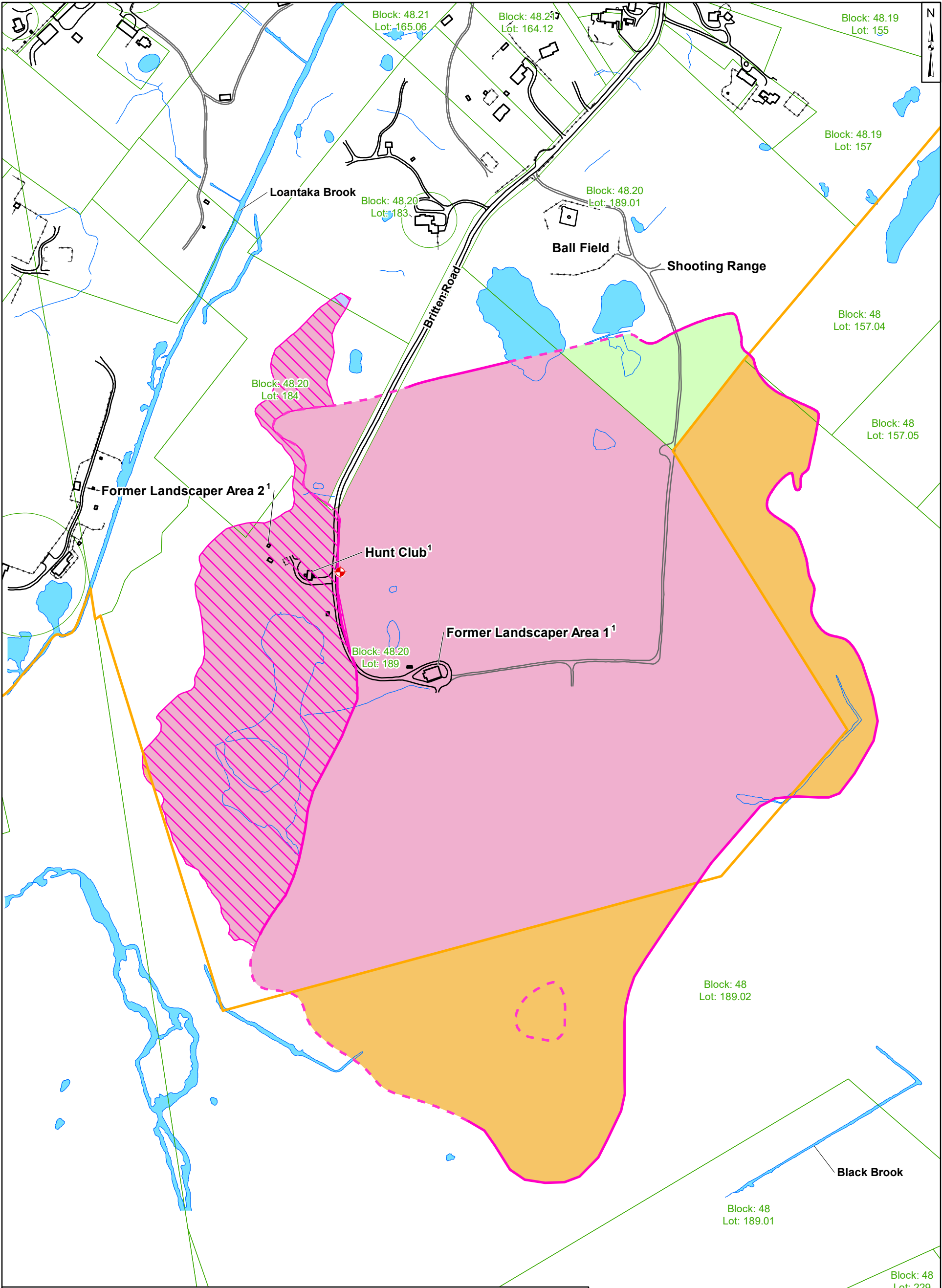
Princeton, NJ

May 2018

Figure

1-2





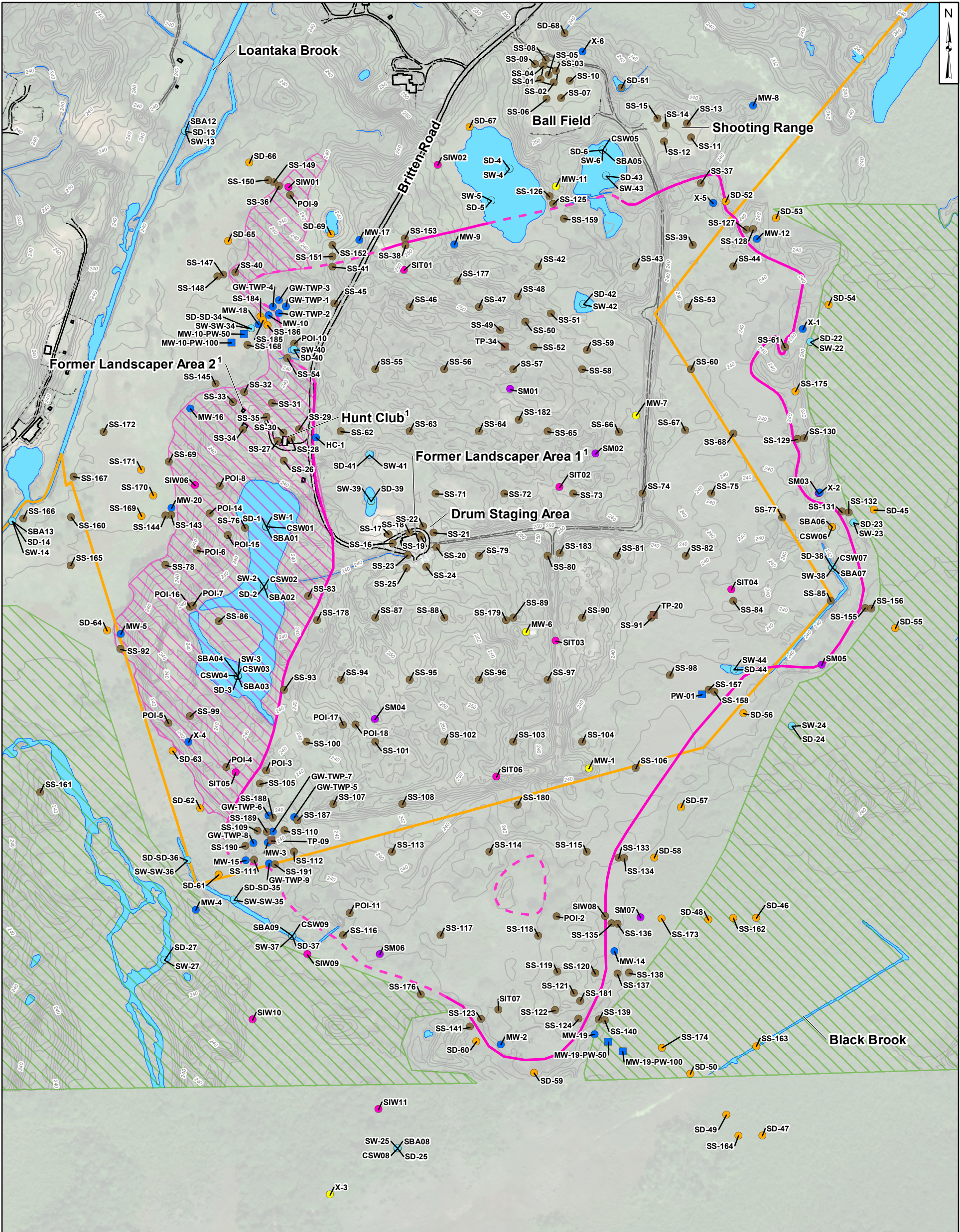
Note 1: These features to be removed from landfill area prior to completion of soil remedy.  
Parcel data provided by Morris County, GIS. 2 August 2016. Site Plan created from Arcadis CAD drawings received December 2015.



Legend	
	Edge of landfilled wastes (dashed where approximate)
	Great Swamp National Wildlife Refuge property boundary
	Waste and debris observed on ground surface but not observed or anticipated below ground surface
	Open water
	Property Parcel
	Block 48.20, Lot 183 (Owned by David M. Bakunas [Trustee])
	Block 48.20, Lots 184 and 189 (Owned by Robert J. Miele [Trustee])
	Block 48.20, Lot 189.01 (Owned by Green Village Fire Department)
	Great Swamp National Wildlife Refuge (Owned by the United States Fish and Wildlife Service)

Property Ownership	
ROLLING KNOLLS LANDFILL SUPERFUND SITE CHATHAM, NEW JERSEY	
Princeton, NJ	May 2018
Figure 2-1	





Note 1: These features to be removed from landfill area prior to completion of soil remedy.  
Site Plan created from Arcadis CAD drawings received December 2015.  
Aerial imagery accessed via ArcGIS Online and provided by the United States Department of Agriculture on 27 December 2017. Image is dated 31 July 2015.

● Groundwater Sample Location

● Groundwater and Soil Sample Location

● Sediment Sample Location

● Soil Sample Location

● Soil and Tissue Sample Location

● Surface Water Sample Location

● Test Pit Sample Location

● Tissue Sample Location

● Porewater Sample Location

— Edge of landfilled wastes (dashed where approximate)

— Great Swamp National Wildlife Refuge property boundary

▨ Areas where surface water flow does not exhibit typical bed and bank morphology

▨ Waste and debris observed on ground surface but not observed or anticipated below ground surface

■ Open water

400 200 0 400 Feet

Sample Location Map

ROLLING KNOLLS LANDFILL SUPERFUND SITE  
CHATHAM, NEW JERSEY

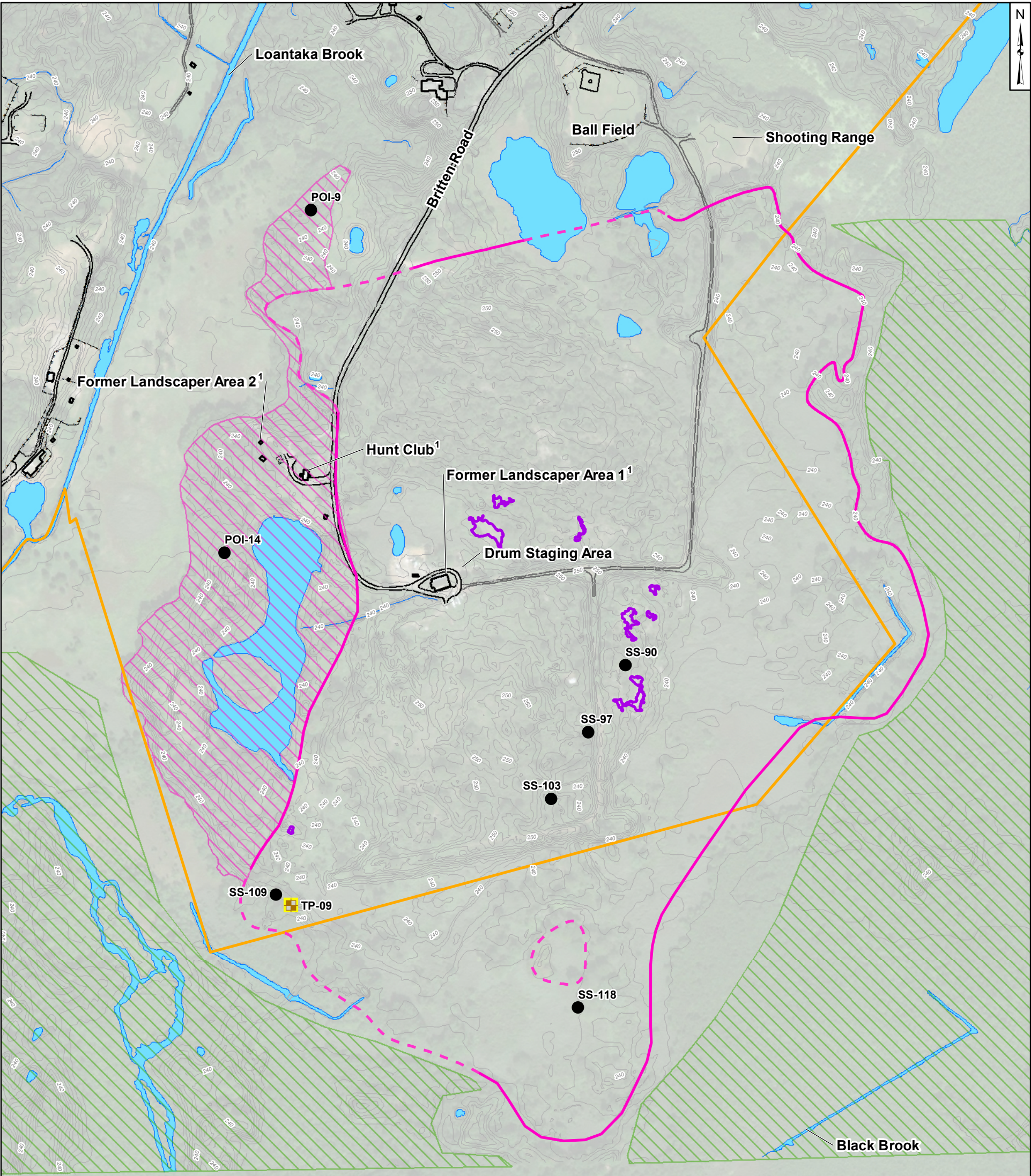
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Figure 2-2



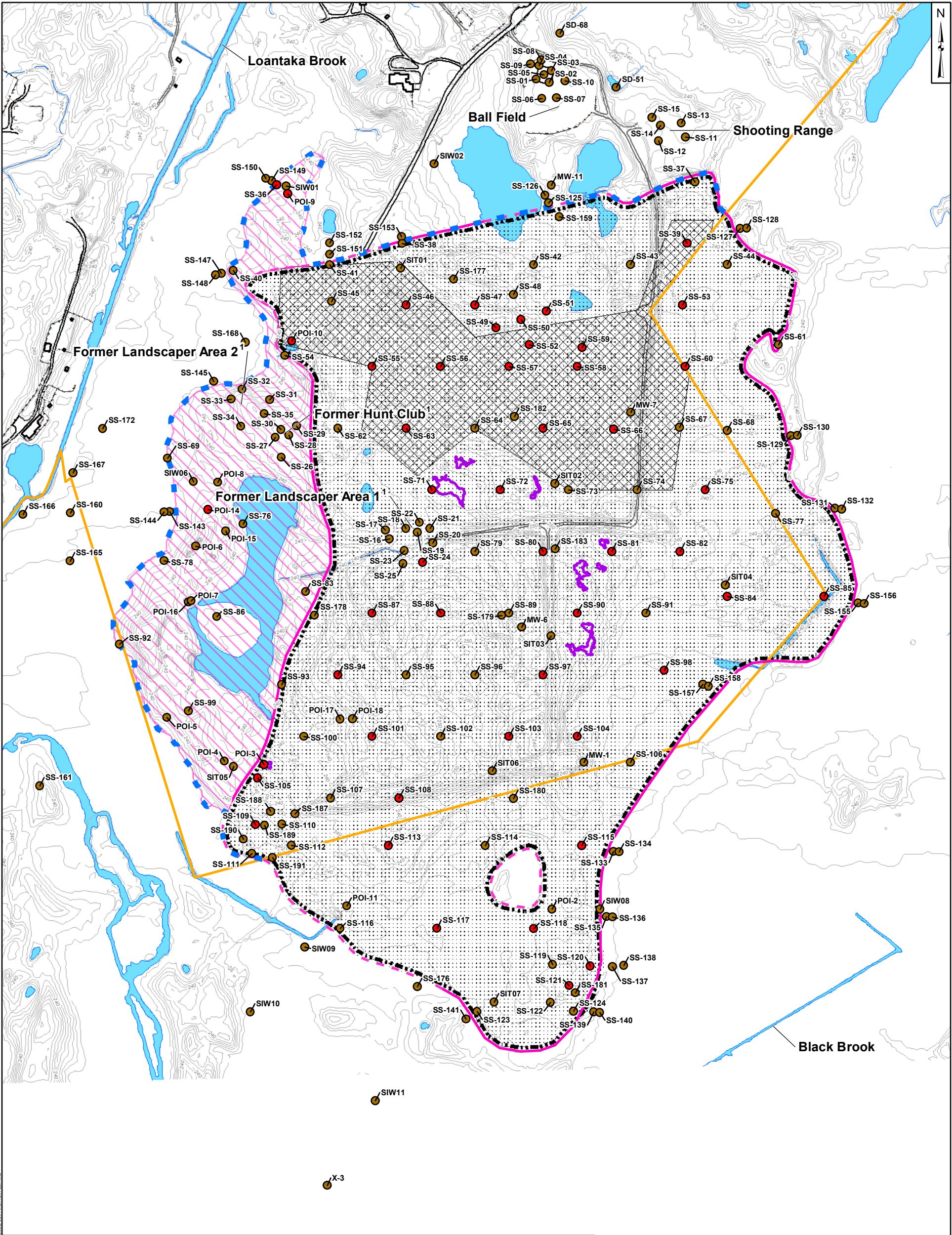


Note 1: These features to be removed from landfill area prior to completion of soil remedy.  
Site Plan created from Arcadis CAD drawings received December 2015.  
Aerial imagery accessed via ArcGIS Online and provided by the United States Department of Agriculture on 2 May 2018.  
Image is dated 31 July 2015.

<b>Legend</b>		400 200 0 400 Feet	
● Areas of Particular Concern (to be capped or excavated) (7)	— Edge of landfilled wastes (dashed where approximate)	<b>Location of APCs and Mostly Non-Vegetated Areas</b> ROLLING KNOLLS LANDFILL SUPERFUND SITE CHATHAM, NEW JERSEY	
■ Potential Source Area to be Removed (1)	— Great Swamp National Wildlife Refuge property boundary		
— Areas Determined to be Mostly Non-Vegetated During Field Inspection	— Areas where surface water flow does not exhibit typical bed and bank morphology	<b>Geosyntec</b> consultants	
	— Waste and debris observed on ground surface but not observed or anticipated below ground surface		
	— Open water	Princeton, NJ	May 2018

Figure 5-1





- 1) Note 1: These features to be removed from landfill area prior to completion of soil remedy.  
2) The area to be capped (Alternative 3) or excavated (Alternative 4) was determined based on a risk-based concentration developed as discussed in Appendix B of this Feasibility Study Report.  
3) PRGs - Preliminary Remediation Goal  
4) Site Plan created from Arcadis CAD drawings received December 2015.

**Legend**

- Soil Sample Location Exceeding PRG
- Soil Sample Locations Not Exceeding PRG
- ▨ Areas Determined to be Mostly Non-Vegetated During Field Inspection
- ▤ Edge of landfilled wastes (dashed where approximate)
- Great Swamp National Wildlife Refuge property boundary
- Access Control Fence (Alternative 2)
- ▧ Area to be Capped (under Alternative 3) or Excavated (under Alternative 4)
- ▩ Area to be Excavated (Alternative 5)
- ▨ Waste and debris observed on ground surface but not observed or anticipated below ground surface
- Open water

400 200 0 400 Feet

**Soil Samples Exceeding the Preliminary Remediation Goals and Proposed Soil Alternatives**

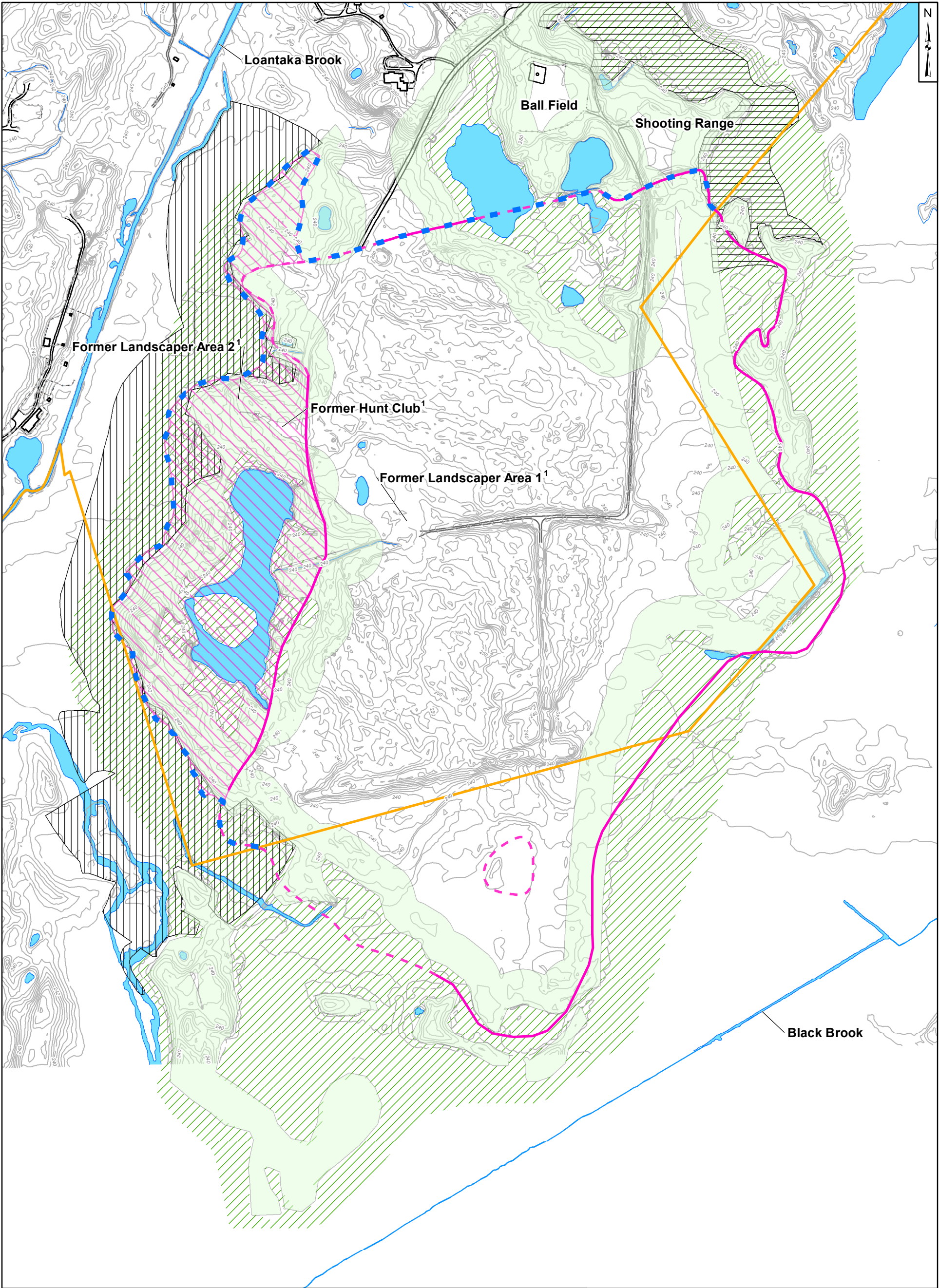
ROLLING KNOLLS LANDFILL SUPERFUND SITE  
CHATHAM, NEW JERSEY

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**Figure 5-2**





Note 1: These features to be removed from landfill area prior to completion of soil remedy.  
Site Plan created from Arcadis CAD drawings received December 2015.

**Legend**

■ Access Control Fence

— Edge of landfilled wastes (dashed where approximate)

— Great Swamp National Wildlife Refuge property boundary

— NHDFlowline

▨ Potential Bog Turtle Habitat Area

▨ Potential Bog Turtle Habitat Area

Waste and debris observed on ground surface but not observed or anticipated below ground surface

Wetland

150-foot Wetland Transition Area

Open water

400 200 0 400 Feet

**Conceptual Plan of Soil Alternative 2**

ROLLING KNOLLS LANDFILL SUPERFUND SITE  
CHATHAM, NEW JERSEY

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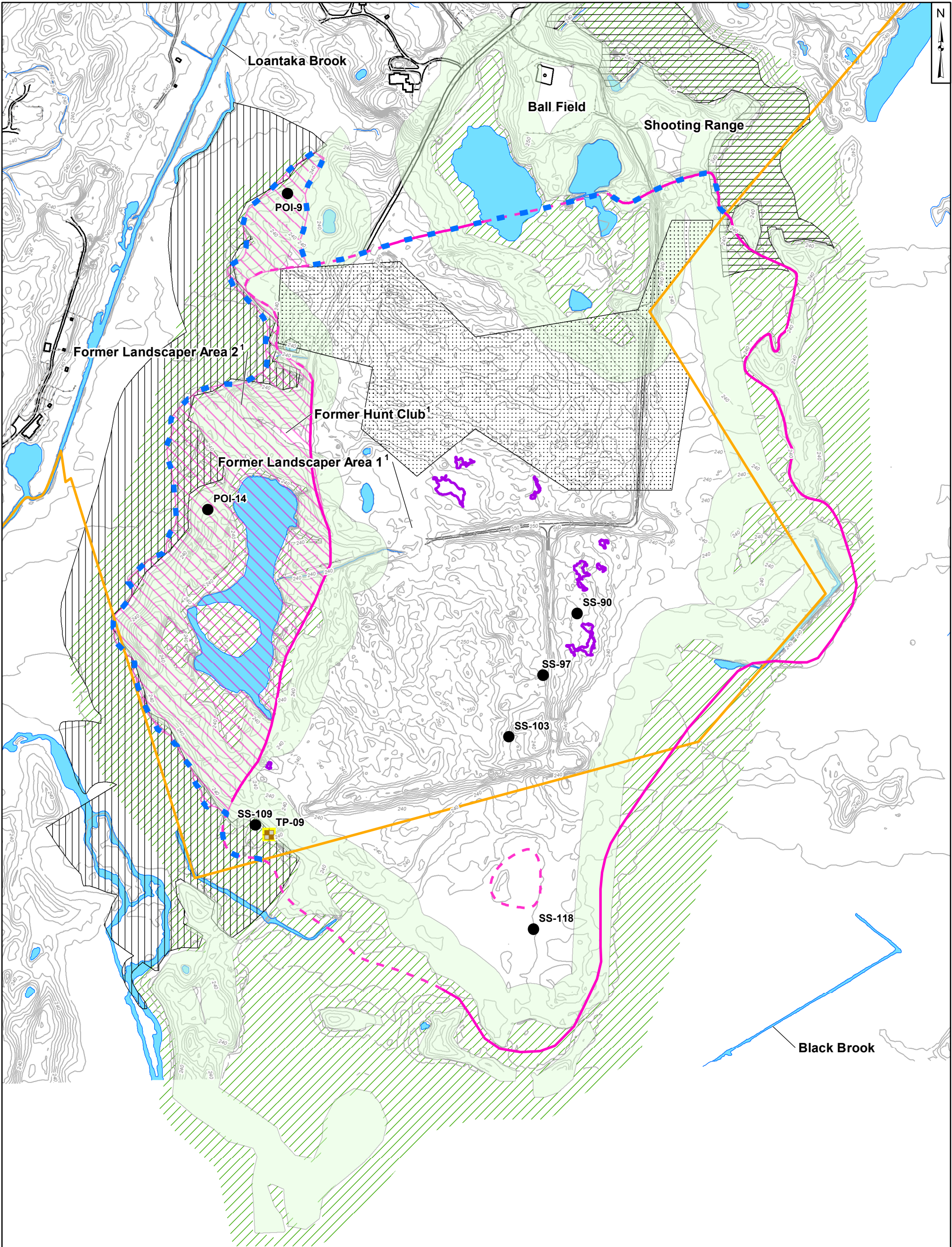
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May 2018

Figure 6-1

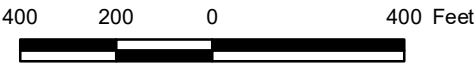




Note 1: These features to be removed from landfill area prior to completion of soil remedy. The area to be capped (Alternative 3) or excavated (Alternative 4) was determined based on a risk-based concentration developed as discussed in Appendix B of this Feasibility Study Report. Site Plan created from Arcadis CAD drawings received December 2015.

- Legend**

  - Areas of Particular Concern (to be capped or excavated)
  - Potential Source Area to be Removed
  - Areas Determined to be Mostly Non-Vegetated During Field Inspection
  - Access Control Fence
- Edge of landfilled wastes (dashed where approximate)
  - Great Swamp National Wildlife Refuge property boundary
  - Area to be Capped (under Alternative 3) or Excavated (under Alternative 4)
- Potential Bog Turtle Habitat Area
  - Potential Bog Turtle Habitat Area Waste and debris observed on ground surface but not observed or anticipated below ground surface
  - Wetland
  - 150-foot Wetland Transition
  - Open water



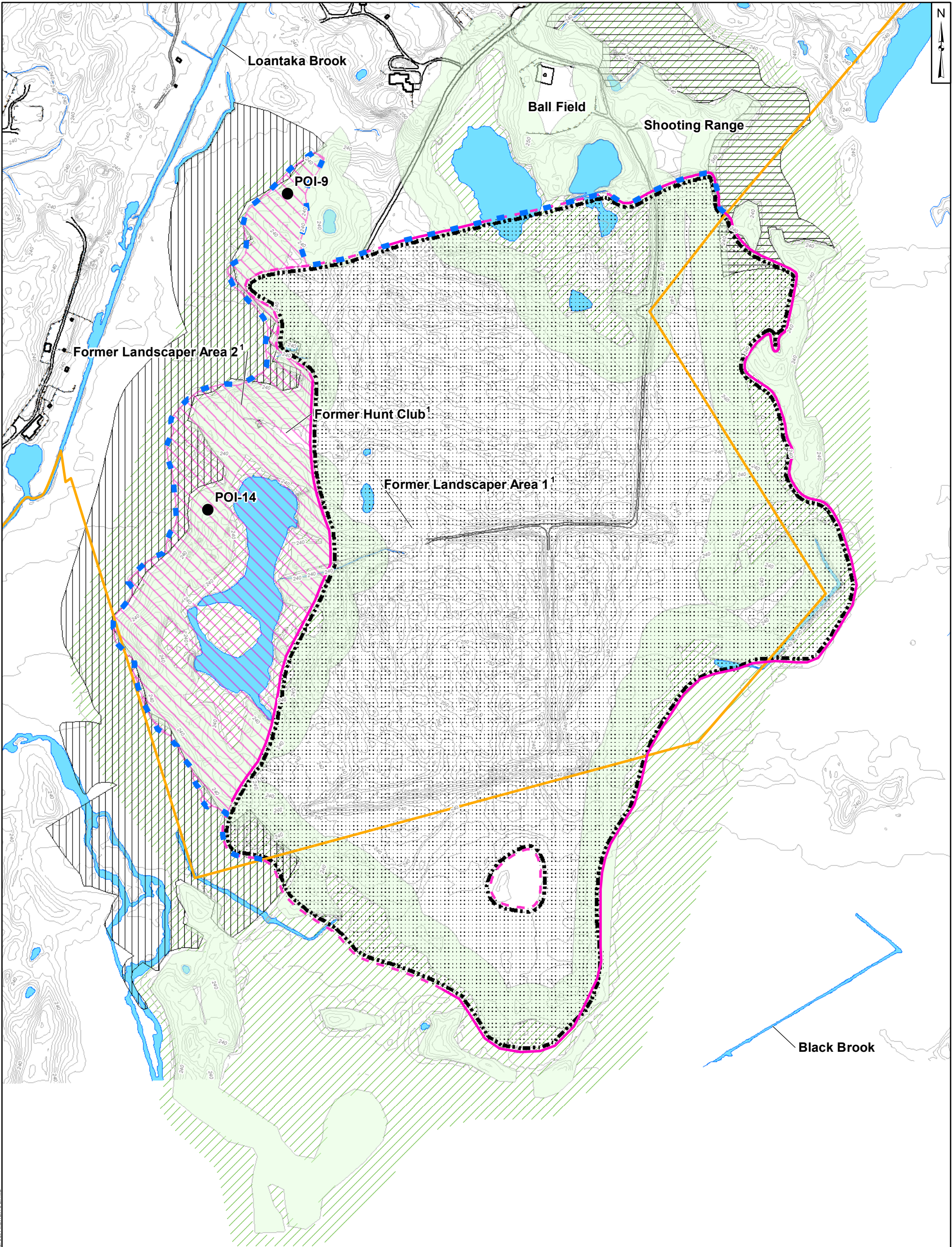
**Conceptual Plan of Soil Alternatives 3 and 4**  
ROLLING KNOLLS LANDFILL SUPERFUND SITE  
CHATHAM, NEW JERSEY

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Princeton, NJ May 2018

Figure  
**6-2**





Note 1: These features to be removed from landfill area prior to completion of soil remedy.  
Site Plan created from Arcadis CAD drawings received December 2015.

**Legend**

- Areas of Particular Concern (to be excavated)
- Access Control Fence
- Edge of landfilled wastes (dashed where approximate)
- Great Swamp National Wildlife Refuge property boundary
- Limit of Proposed Cap
- ▨ Potential Bog Turtle Habitat Area
- ▨ Potential Bog Turtle Habitat Area
- ▨ Waste and debris observed on ground surface but not observed or anticipated below ground surface
- ▨ Wetland
- ▨ 150-foot Wetland Transition Area
- Open water

400 200 0 400 Feet

**Conceptual Plan of Soil Alternative 5**

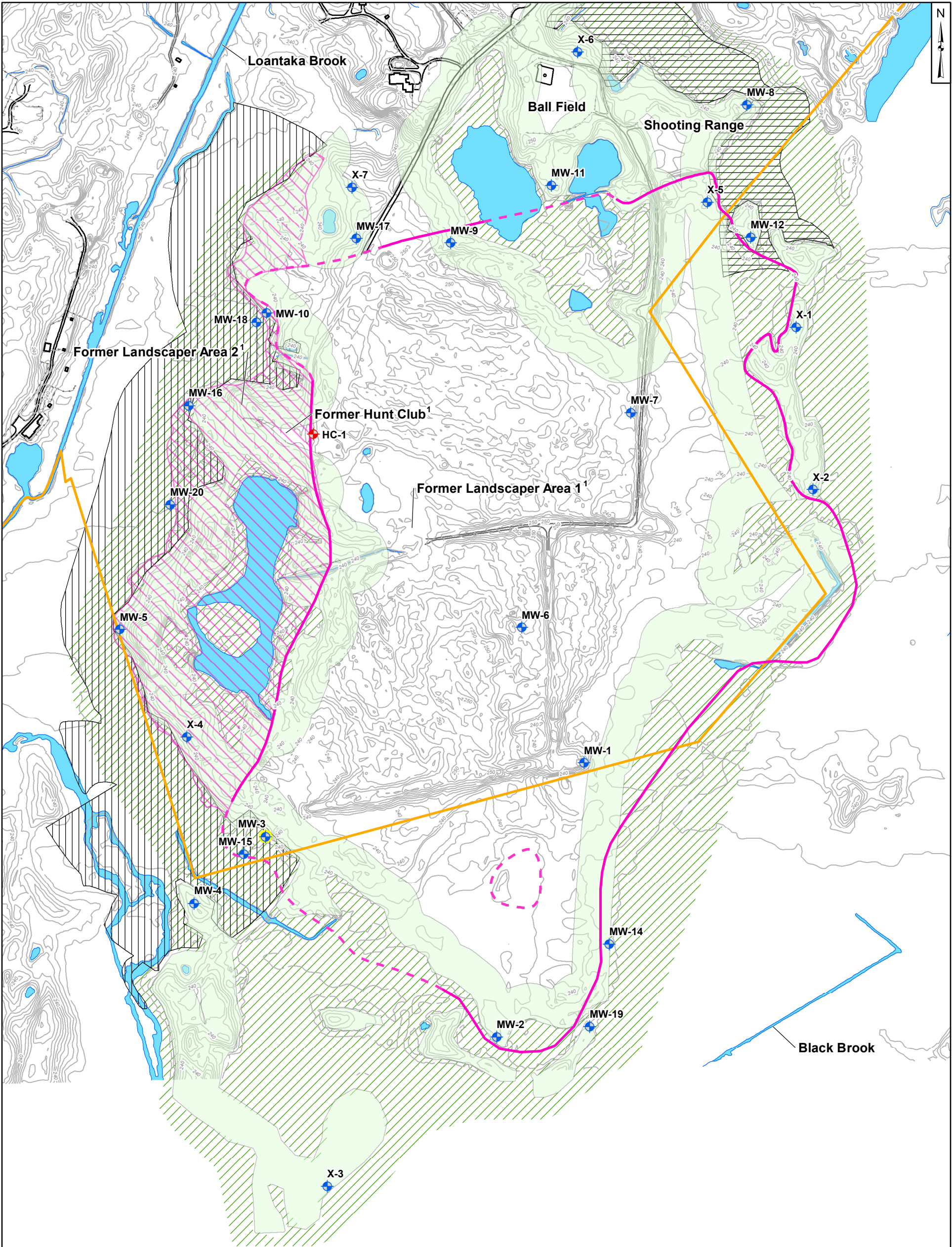
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CHATHAM, NEW JERSEY

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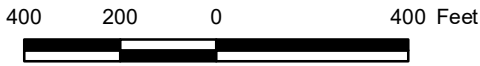
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**Figure 6-3**





Note 1: These features to be removed from landfill area prior to completion of soil remedy.  
Site Plan created from Arcadis CAD drawings received December 2015.



- |  |  |  |
|--|--|--|
| <b>Legend</b>  |  |  |
| Monitoring Well Potentially Requiring Treatment      | Great Swamp National Wildlife Refuge property boundary | Waste and debris observed on ground surface but not observed or anticipated below ground surface |
| Non-Potable Supply Well                              | Potential Bog Turtle Habitat Area A                    | Wetland  |
| Monitoring Well                                      | Potential Bog Turtle Habitat Area B                    | 150-foot Wetland Transition Area   |
| Edge of landfilled wastes (dashed where approximate) |  | Open water   |

**Conceptual Plan of Groundwater  
Alternatives 2 and 3**  
ROLLING KNOLLS LANDFILL SUPERFUND SITE  
CHATHAM, NEW JERSEY

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Figure  
**7-1**