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# 2021 Muirkirk Road Campus Master Plan

**CONSULTING PARTIES INFORMATION MEETING**

**March 24, 2021**

# Consulting Parties Information Meeting

## Welcome and Introduction



# Consulting Parties Information Meeting

## MASTER PLAN PROCESS



# NHPA/Section 106

## Introduction



*Beltsville Research Facility Building*

National Historic Preservation Act (NHPA), 1966

Section 106, Protection of Historic Properties (36 CFR 800)

National Environmental Policy Act (NEPA), 1970

Integration of NEPA and Section 106

## NHPA and NEPA Schedule

Draft Determination of Eligibility Concurrence	March 4, 2021
Draft Master Plan Development Alternatives	March 10, 2021
Introductory Consulting Parties Meeting	Today, March 24, 2021
Preparation of Draft EIS	December 2020-end March 2021
Second Consulting Parties Meeting	End of April 2021 (Tentative)
Draft MP Submission to NCPC	June 4, 2021
Draft EIS Public Review Period	June 4-July 19, 2021
Draft EIS Public Hearing	June 23, 2021
NCPC Commission Hearing – Draft MP	September 2, 2021
NCPC Approval of Final Master Plan	Mid to late 2022 (tentative)
Final EIS/ROD	Mid to late 2022 (tentative)
Sign Programmatic Agreement	Mid to late 2022 (tentative)

# Section 106

## Process

### Initiation

- Determine undertaking
- Coordination with other reviews
- Notification (SHPO/THPO and consulting parties)
- Public engagement plan

### Identify historic properties

- Determine Area of Potential Effect (APE)
- Identify Historic Properties
- Consultation/public engagement

### Assess potential adverse effects

- Apply criteria of adverse effect
- Consultation/public engagement

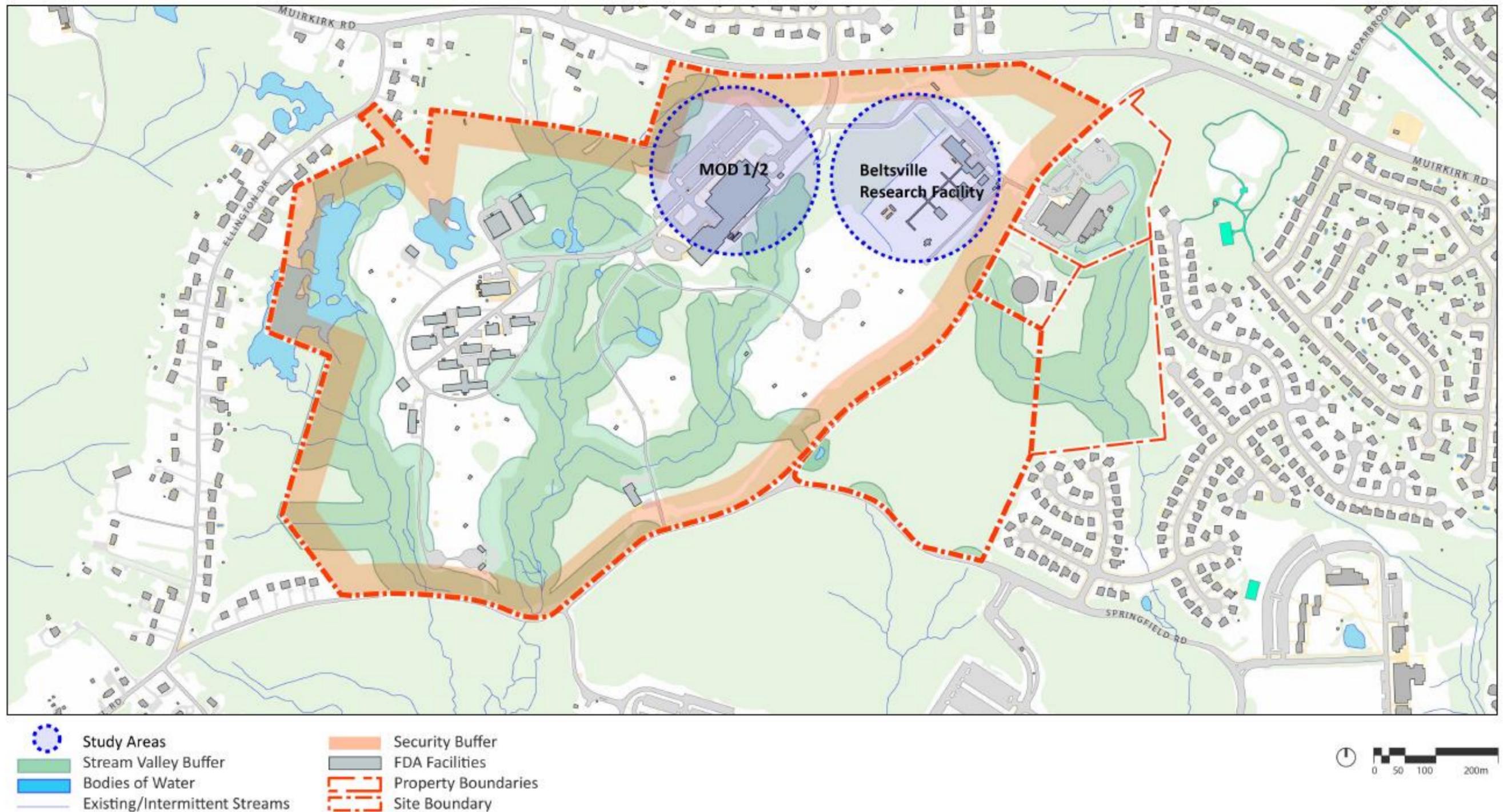
### Resolve adverse effects

- Avoidance, minimization, mitigation
- Notify Advisory Council on Historic Preservation (ACHP)
- Consultation/public engagement

### Agreement Documents (MOA or PA)

# Undertaking

## DRAFT MASTER PLAN STUDY AREAS



Expansion of MRC to consolidate FDA staff and to accommodate a total population of up to 1,800 employees in two phases over approximately 20 years.

# Area of Potential Effect (APE)

## Determining the Area of Potential Effect



*Module 1*

### Physical Effects

- Building and Parking Structure Construction
- Site Construction

### Visual Effects

Changes in Traffic Patterns

Auditory Effects

Vibration Effects

Construction Activities

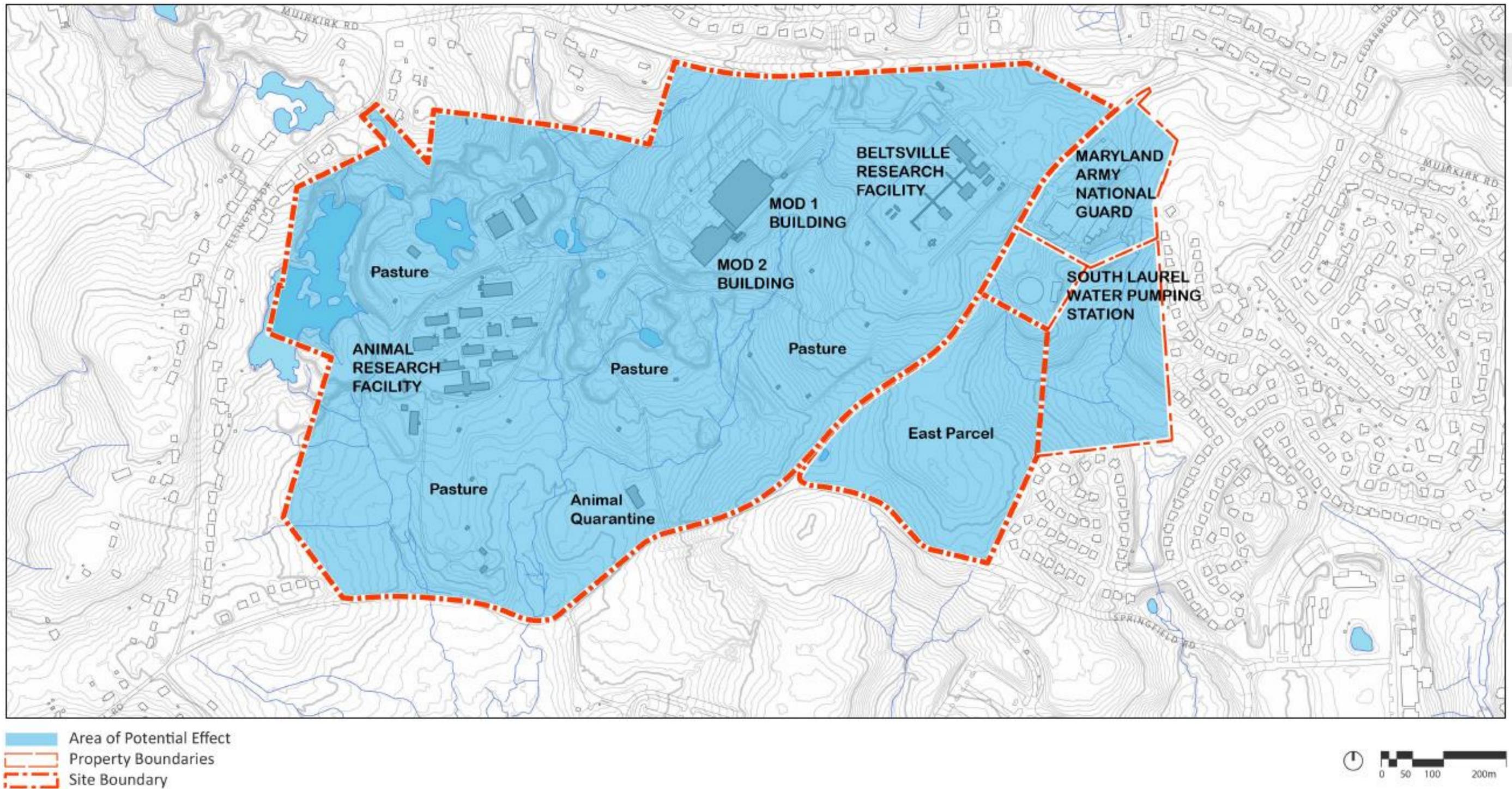
Indirect Effects

- View Sheds

Cumulative Effects

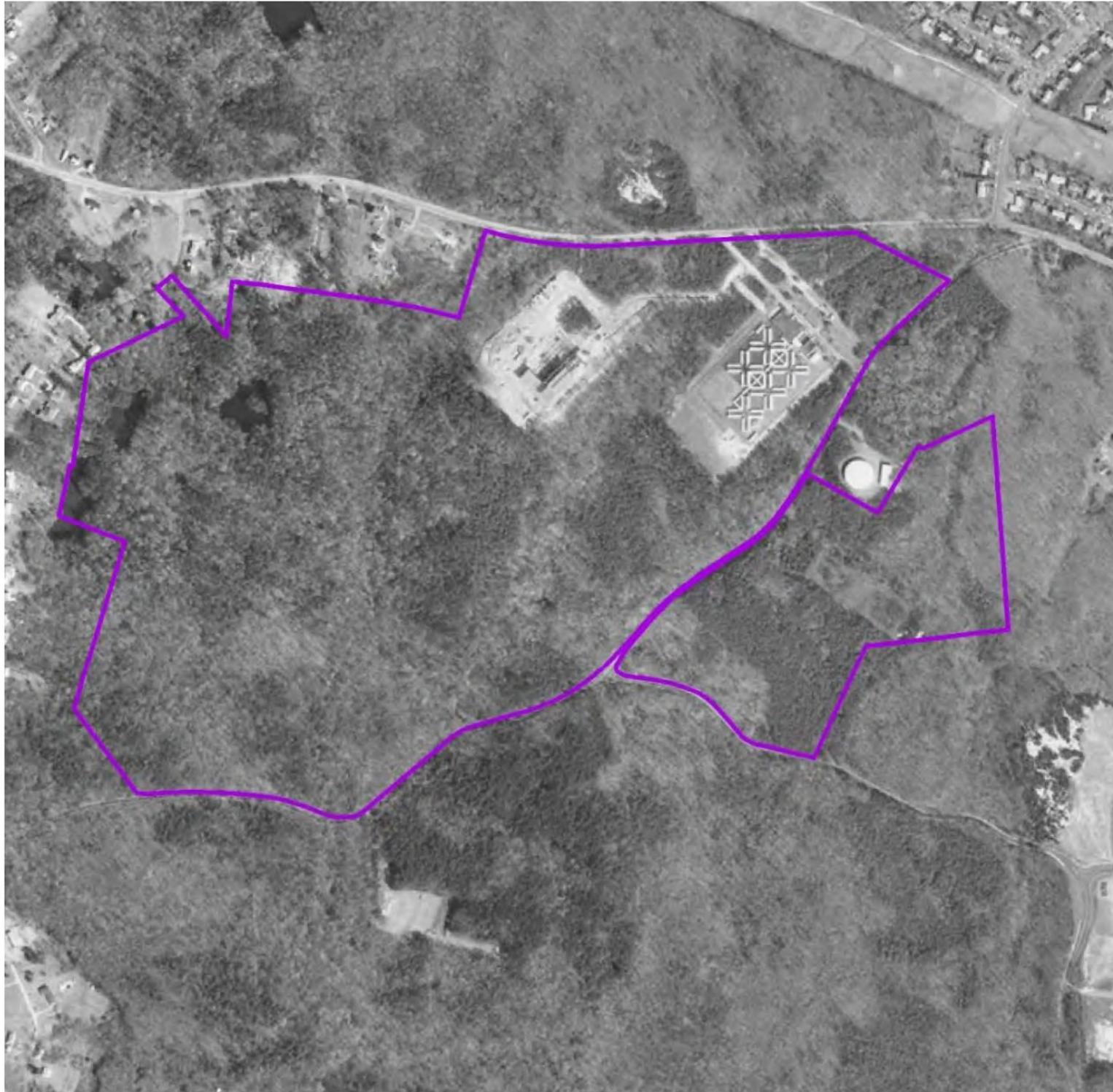
# Area of Potential Effect (APE)

## Draft Map of the Area of Potential Effect



# Previous NHPA/Section 106 Consultation

## Previous Section 106 consultation results



1984 aerial

### 1966 Site Development Plan

- Predated Section 106

### 1981 Master Plan Update

- Phase I Archeological Survey identified one site; Phase II evaluation determined it not eligible
- No eligible above-ground resources

### 1995 Module II

- Environmental Assessment: no historic or archeological resources

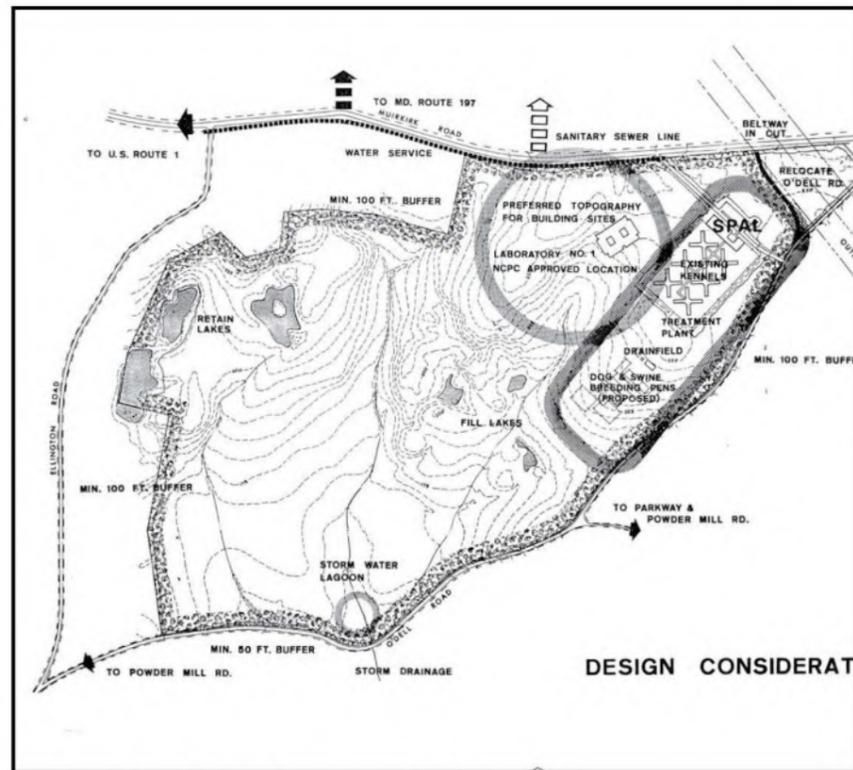
# Muirkirk Road Campus History



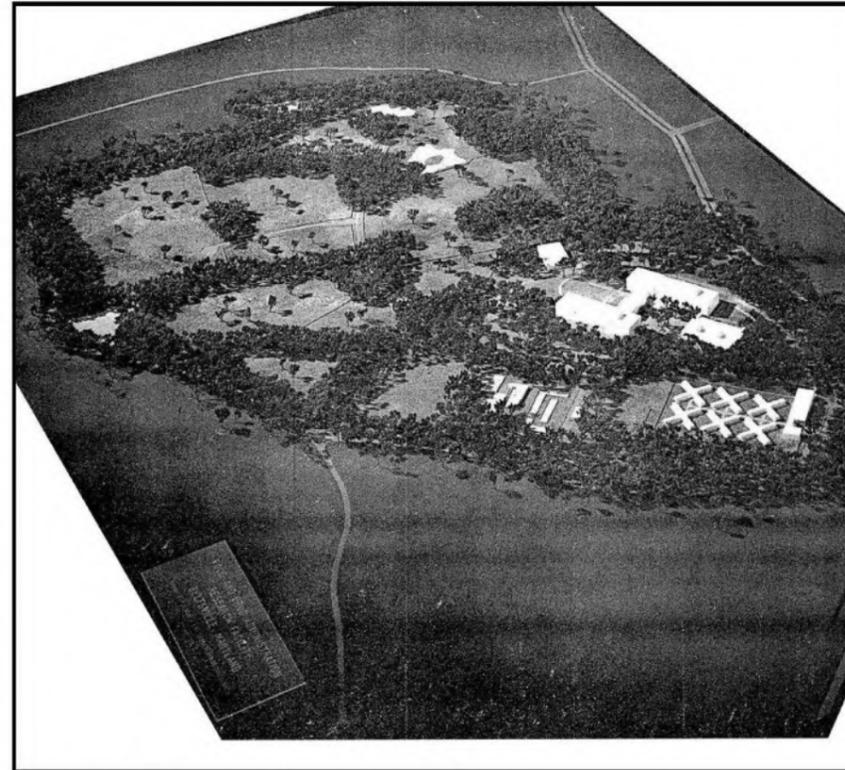
1938 aerial

- Muirkirk Ironworks
- Agriculture
  - 19<sup>th</sup> Century
  - Beltsville Agricultural Research Center (BARC)
- US Food and Drug Administration
  - 1963: Special Pharmacological Animal Laboratory – AKA Beltsville Research Facility (BRF)
  - 1983-1991: Module I
  - 1994-1998: Module II/Animal Research Facility
  - 1998-2002: BRF kennels removed
- East Parcel
  - 1979: Acquisition of East Parcel
  - ca. 1981: South Laurel Water Pumping Station
  - ca. 1993: Maryland Army National Guard

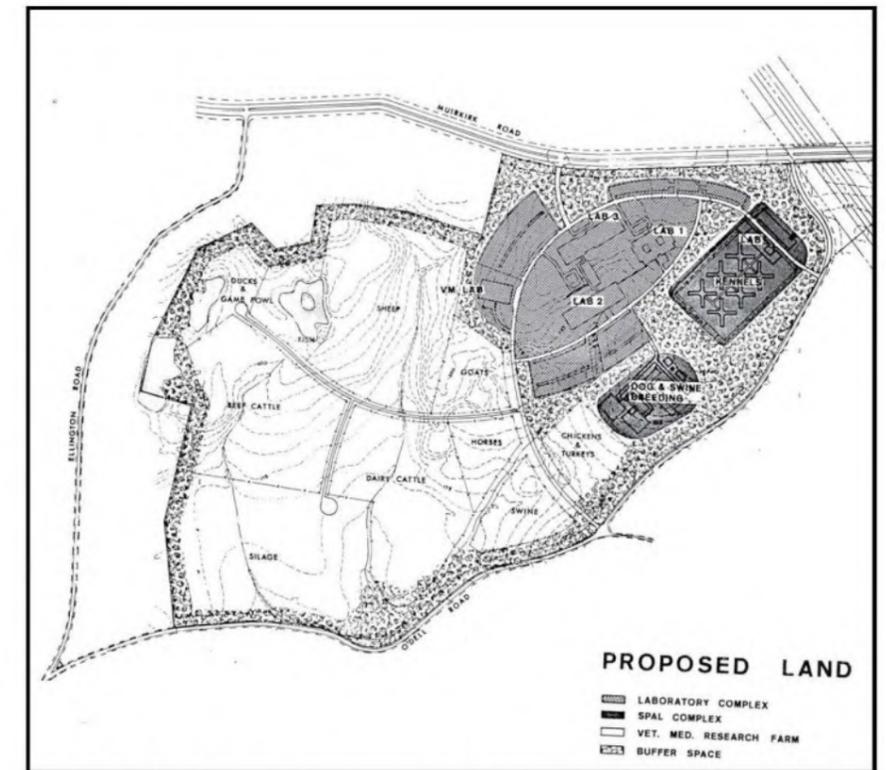
# Previous Planning at Muirkirk Road Campus



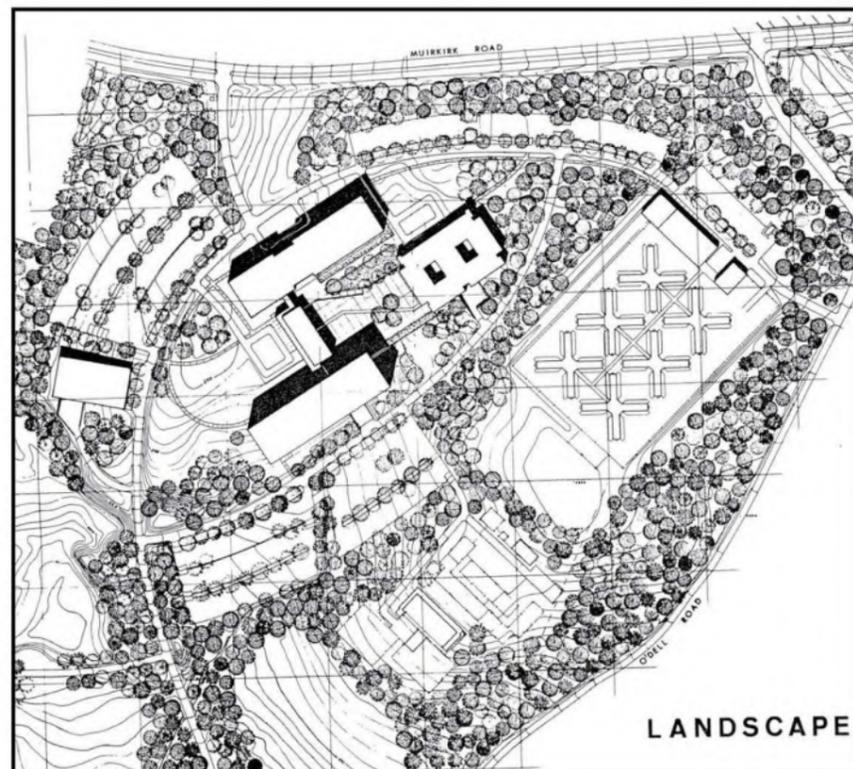
1966 Site Development Plan  
Design concept



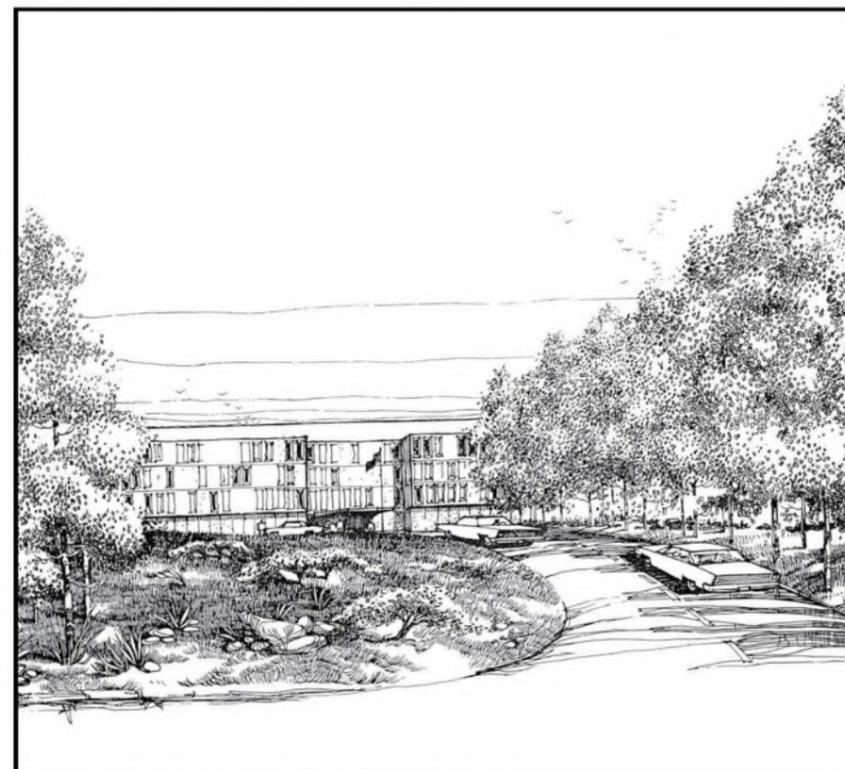
1966 Site Development Plan  
Model and site planning



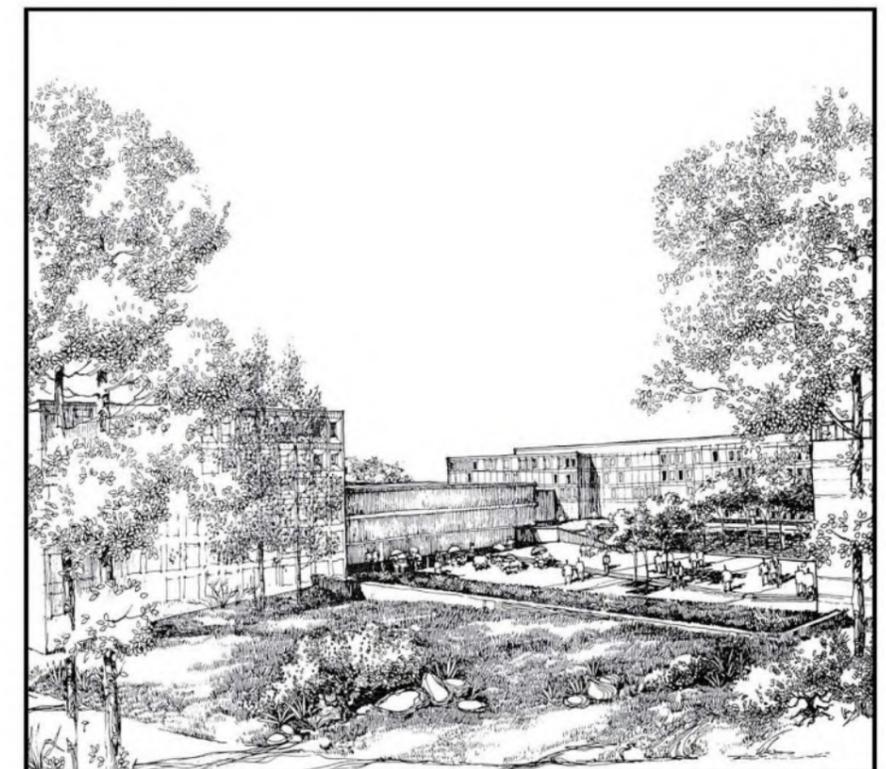
1966 Site Development Plan  
Landscape concept



1966 Site Development Plan  
Landscape concept

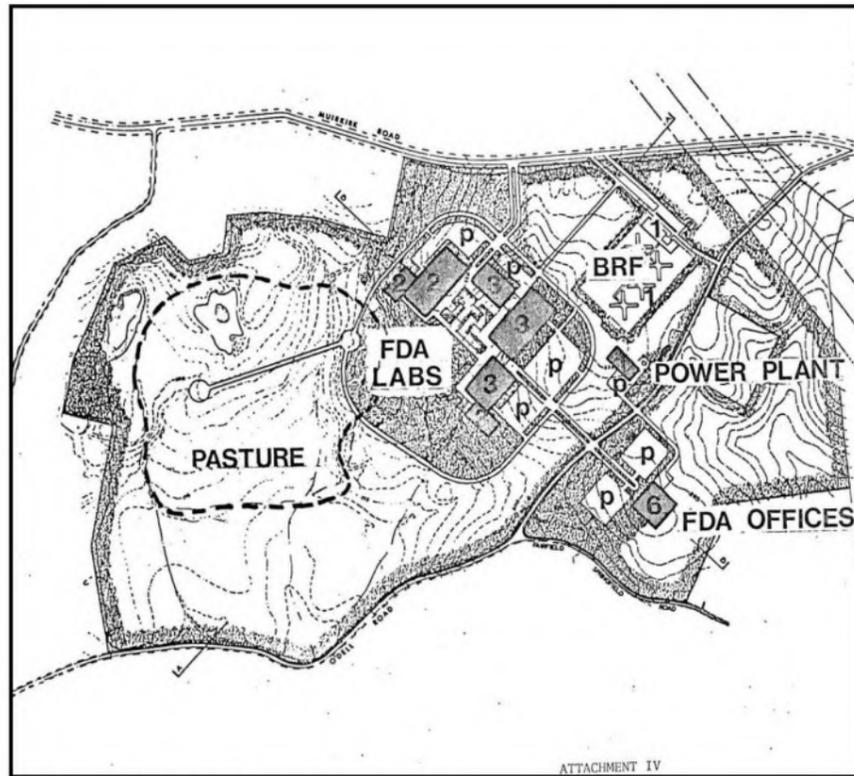


1966 Site Development Plan  
Architectural concept

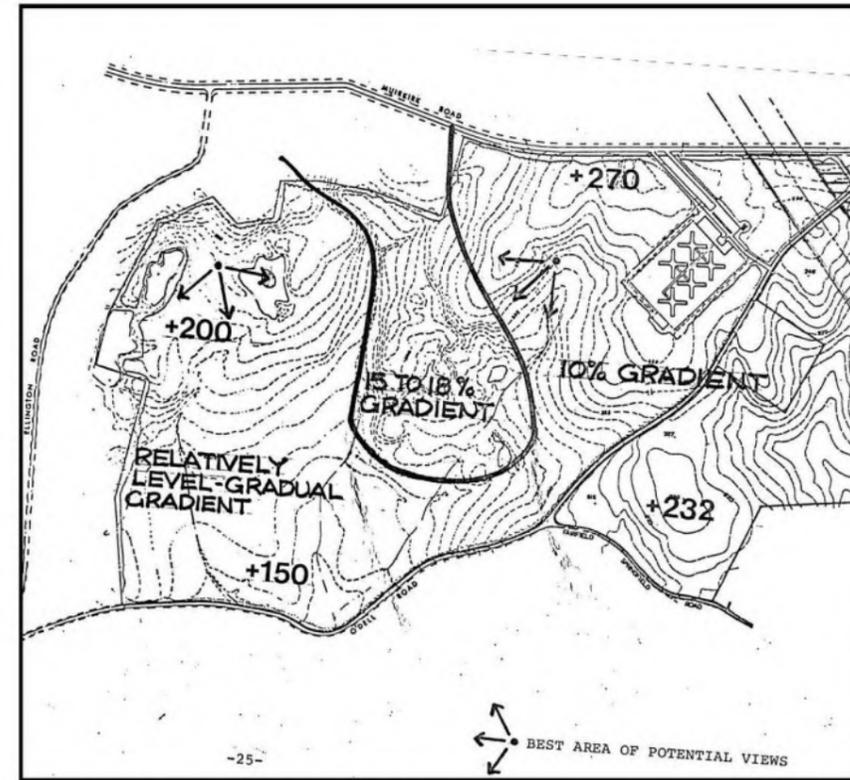


1966 Site Development Plan  
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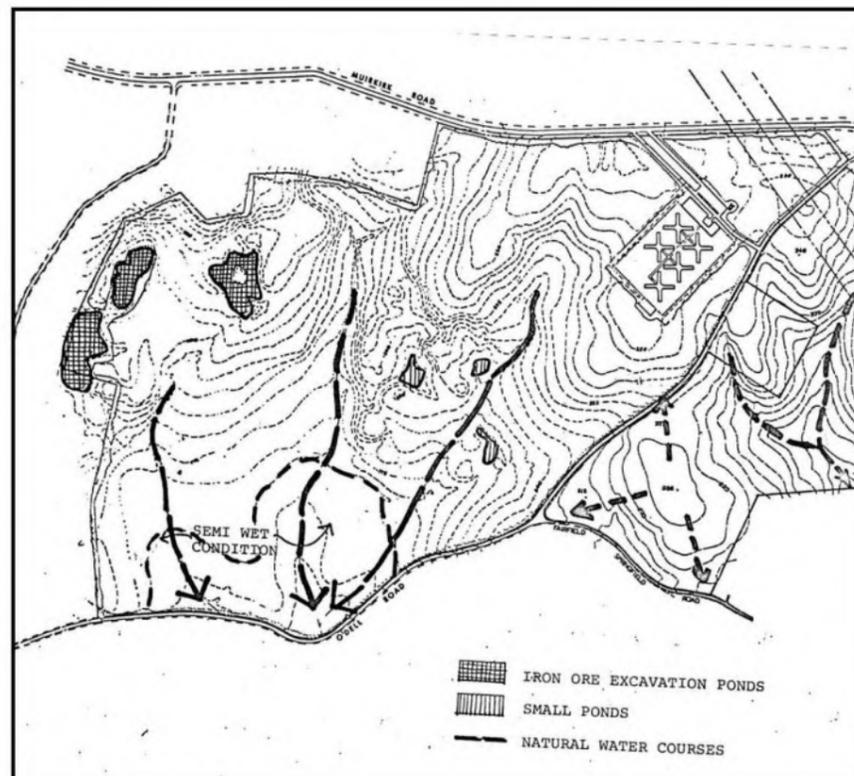
# Previous Planning at Muirkirk Road Campus



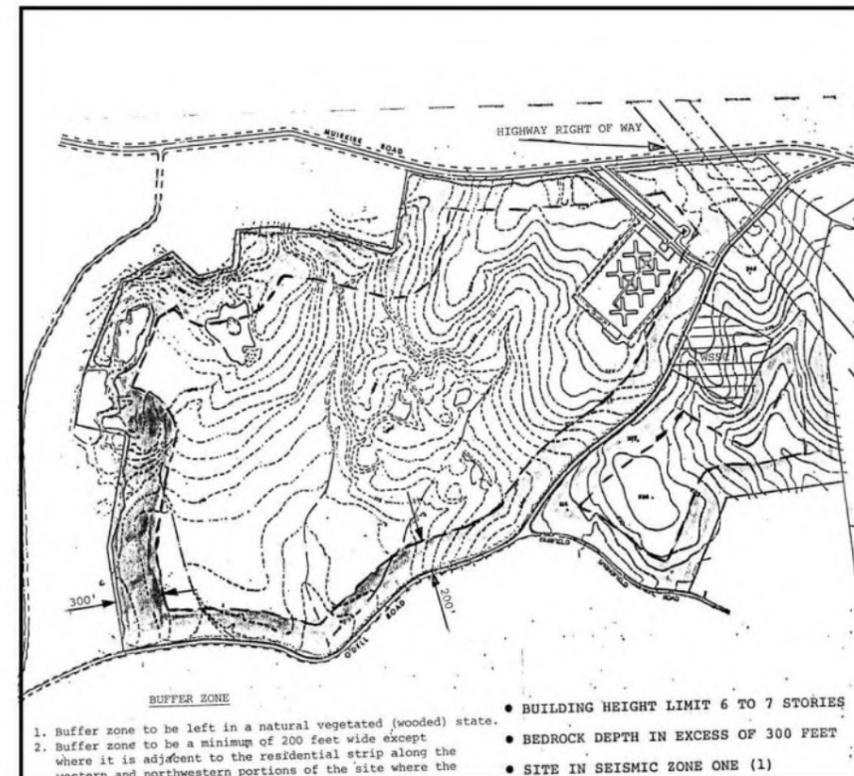
1981 Master Plan Update  
Site development



1981 Master Plan Update  
Best area of potential views



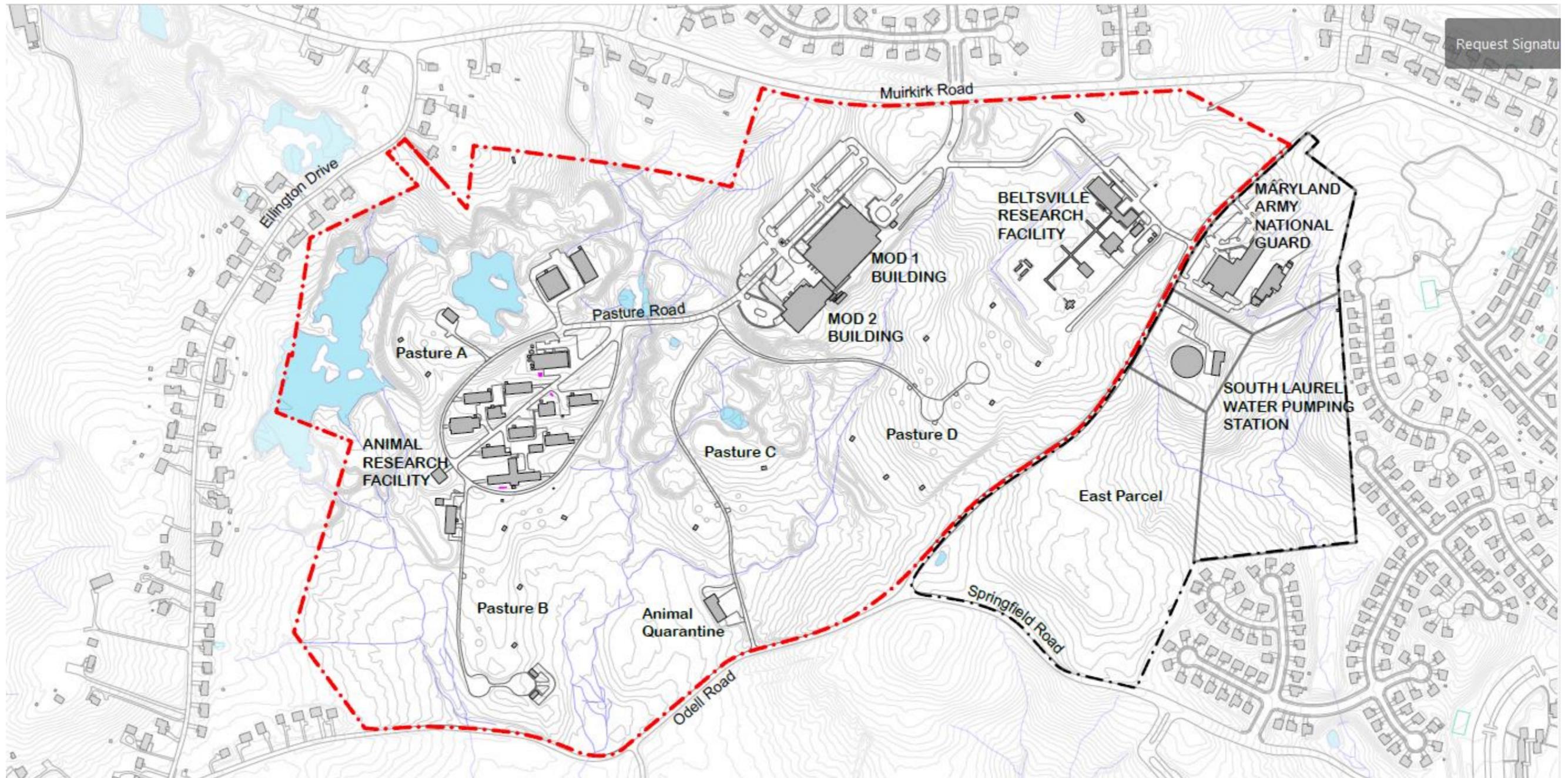
1981 Master Plan Update  
Natural features



1981 Master Plan Update  
Buffer zone

# Resources in the APE

## Determination of Eligibility Site Plan



### LEGEND

- Bodies of Water
- Existing FDA MRC Campus Boundary
- East Parcel Boundary
- Stream
- Secondary Property Boundary



# Historic Resources in the APE

## Determination of Eligibility Findings

### Criterion A (History)

- Evaluated Contexts: Agriculture, Industry, African American Heritage, Federal Presence
- Determined Not Eligible

### Criterion B (Significant persons)

- No significant individuals
- Determined Not Eligible

### Criterion C (Design)

- Lacks integrity
- Not exceptionally significant
- Determined Not Eligible

**Maryland Historical Trust Concurrence: March 4, 2021**

# Resources in the APE



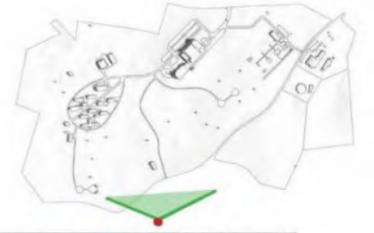
# Preliminary Draft Development Alternatives

No-Action Alternative:



# Preliminary Draft Development Alternatives

NO ACTION ALTERNATIVE  
Aerial View Looking North



# Preliminary Draft Development Alternatives

## Alternative A: Compact Campus; Integrating old and new



- Concentrates new office development at Mod 1 and 2
- Locates all new parking at BRF in two garages
- Is most disruptive during construction
- Adds the least impervious surfaces
- Requires more new roadways than B but less than C

## Alternative B: Dual Campus; Distributing development between two sites



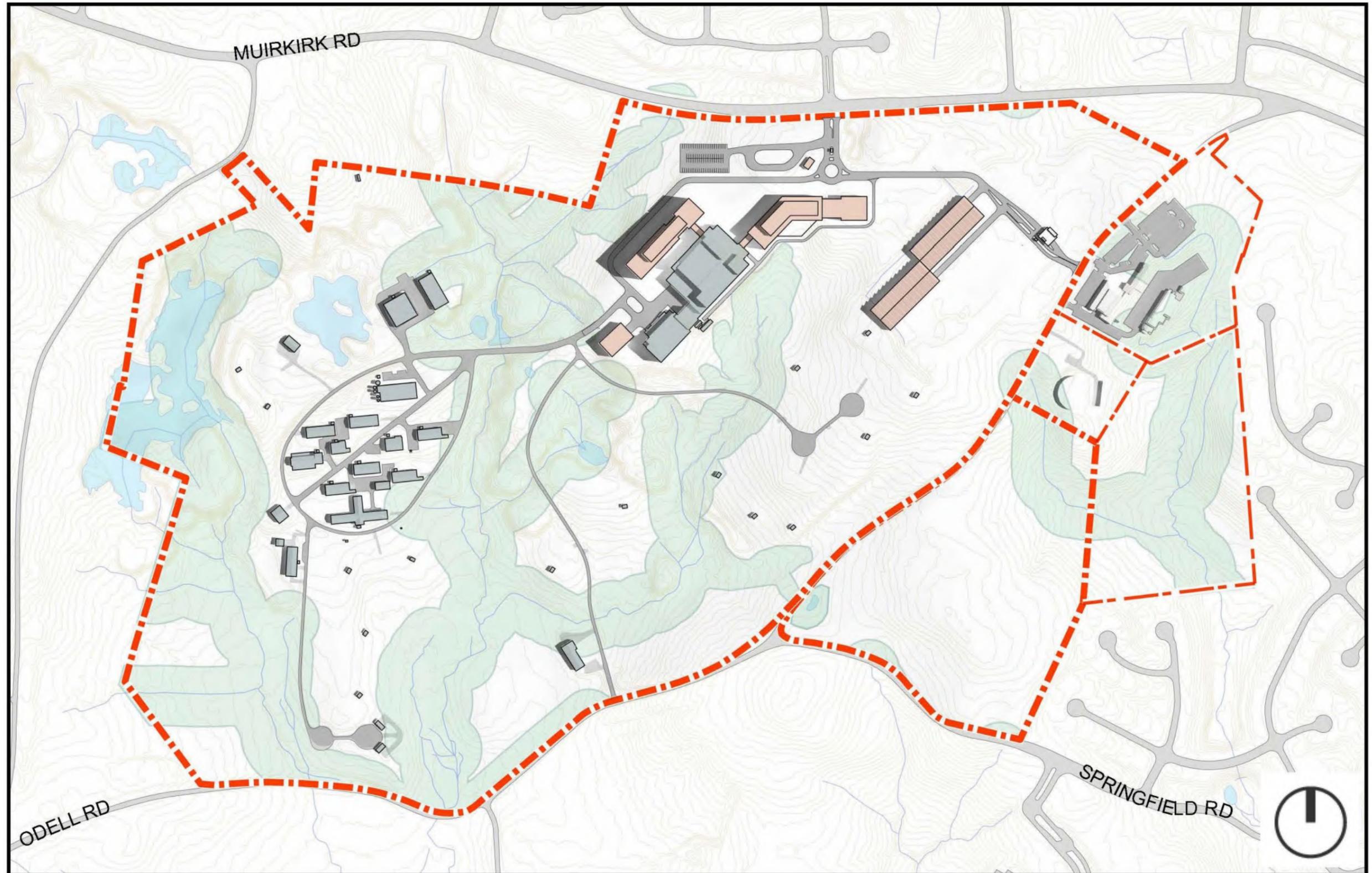
- Splits new office development between Mod 1 and 2 and BRF
- Locates one new parking garage at Mod 1 and 2 and one at BRF
- Causes moderate disruption during construction
- Adds more impervious surfaces than A but less than C
- Requires least new roadways

## Alternative C: Northeast Campus; Re-imagining BRF



- Concentrates new office development at BRF
- Locates all new parking at BRF in one garage
- Is least disruptive during construction
- Adds most impervious surfaces
- Requires most new roadways

# Preliminary Draft Development Alternatives



**Alternative A:**  
Compact Campus; Integrating old and new

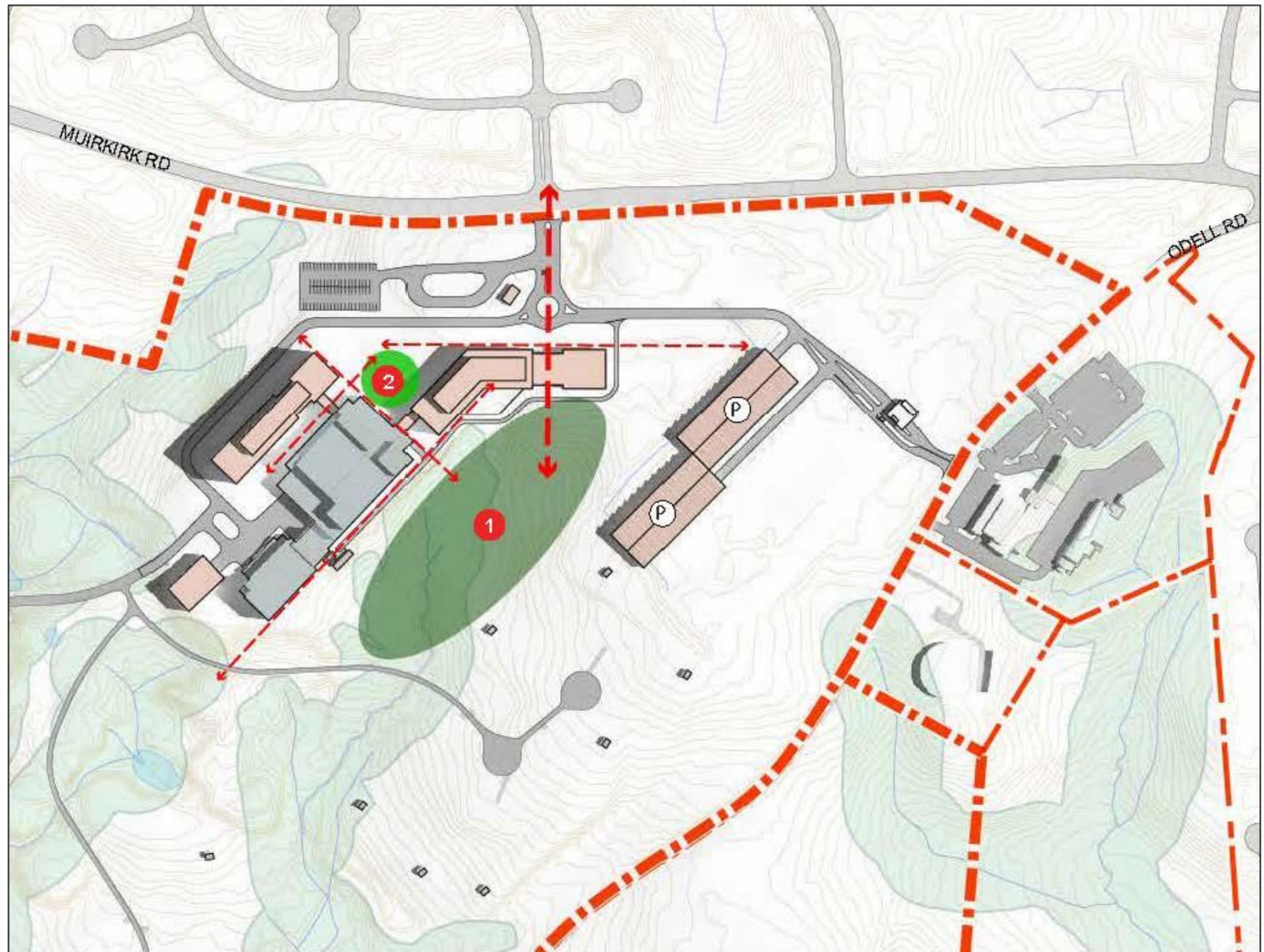
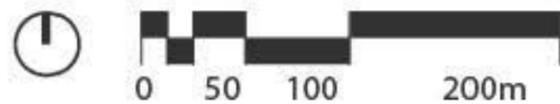
# Preliminary Draft Development Alternatives

Alternative A: Compact Campus; Integrating old and new  
Concept Diagram

- 1 Natural landscape amenity space
- 2 Central campus landscape space

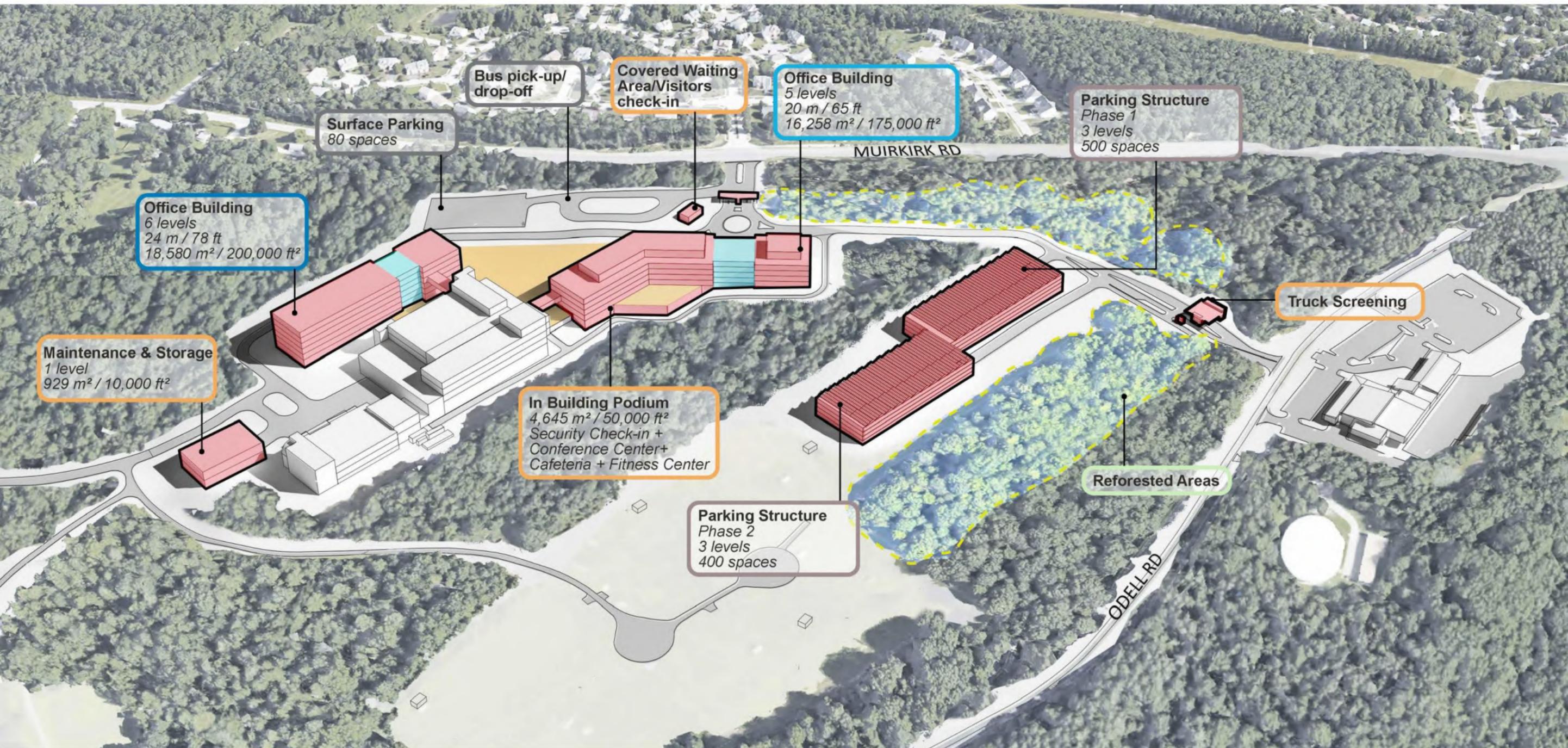
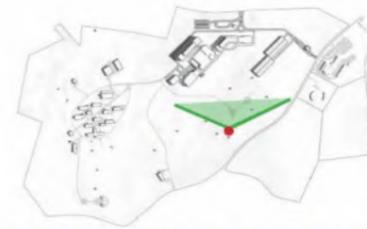
## LEGEND

- MRC Boundary
- Other FDA-Owned Parcels
- Existing Buildings
- New Buildings
- P Parking Structure
- ↔ Axial Relationship
- Stream Valley Buffer



# Preliminary Draft Development Alternatives

Alternative A: Compact Campus; Integrating old and new  
Aerial View Looking North



# Preliminary Draft Development Alternatives

Alternative A: Compact Campus; Integrating old and new

Illustrative Plan - Overall Land Use

- 1 New Office Building
- 2 New Parking Garage
- 3 Maintenance & Storage
- 4 Truck Screening
- 5 Covered Waiting Area/Visitors Check-in
- 6 Bus pick-up/drop-off
- 7 Surface Parking

## SUSTAINABILITY FEATURES

- 1 Bio-Swale Adj. Roads & Parking Areas
- 2 Green Roof
- 3 Solar Panels
- 4 Green Wall Adj. Parking Garage
- 5 Micro-Bio Retention
- 6 Potential Underground S.W. Storage

## LEGEND

-  MRC Boundary
-  Other FDA-Owned Parcels
-  Existing Buildings
-  Parking Structure
-  Stream Valley Buffer

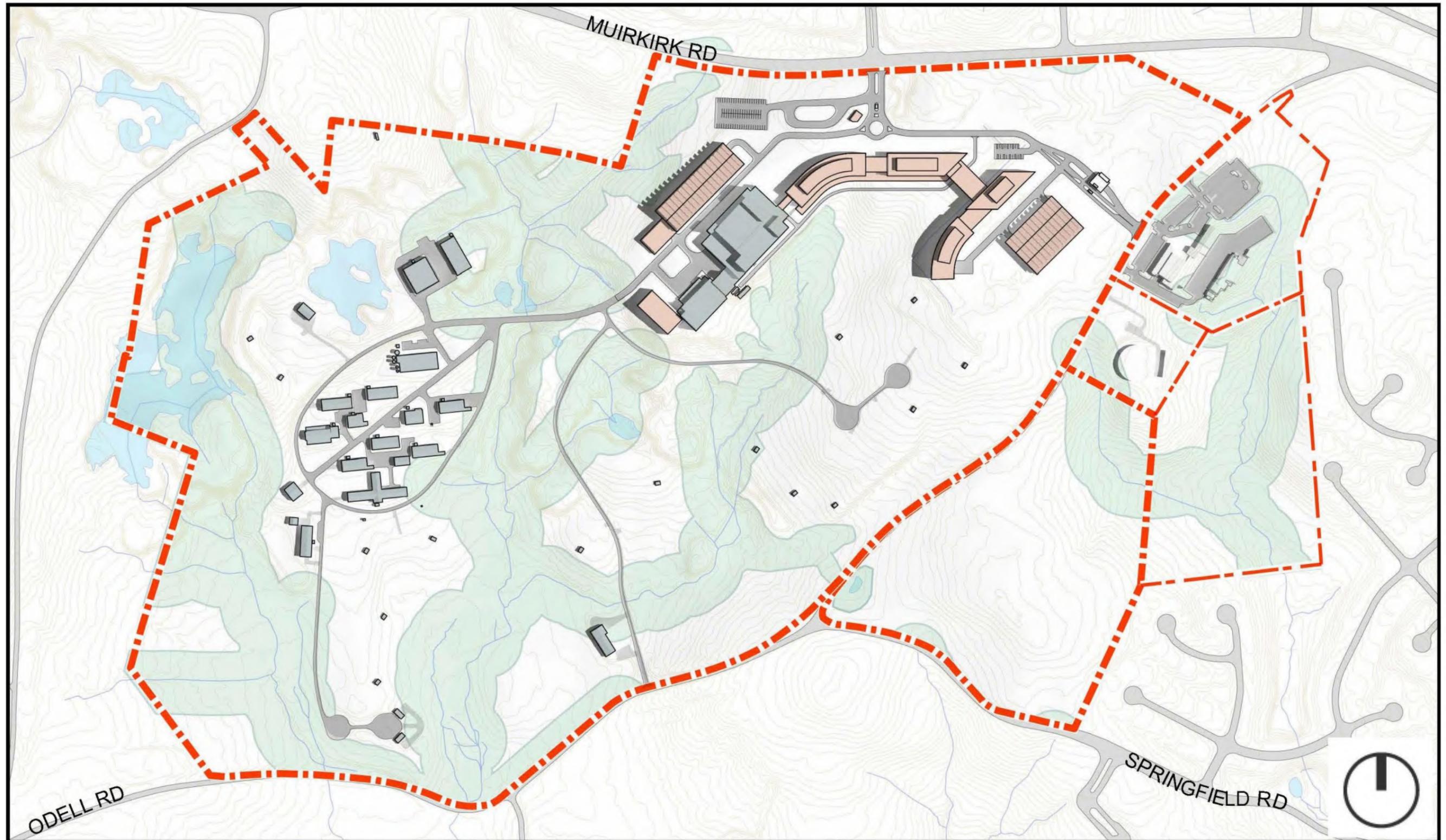


# Preliminary Draft Development Alternatives

Alternative A: Compact Campus; Integrating old and new  
*View from Muirkirk Road Looking Southeast*



# Preliminary Draft Development Alternatives



**Alternative B:**  
**Dual Campus; Distributing development between two sites**

# Preliminary Draft Development Alternatives

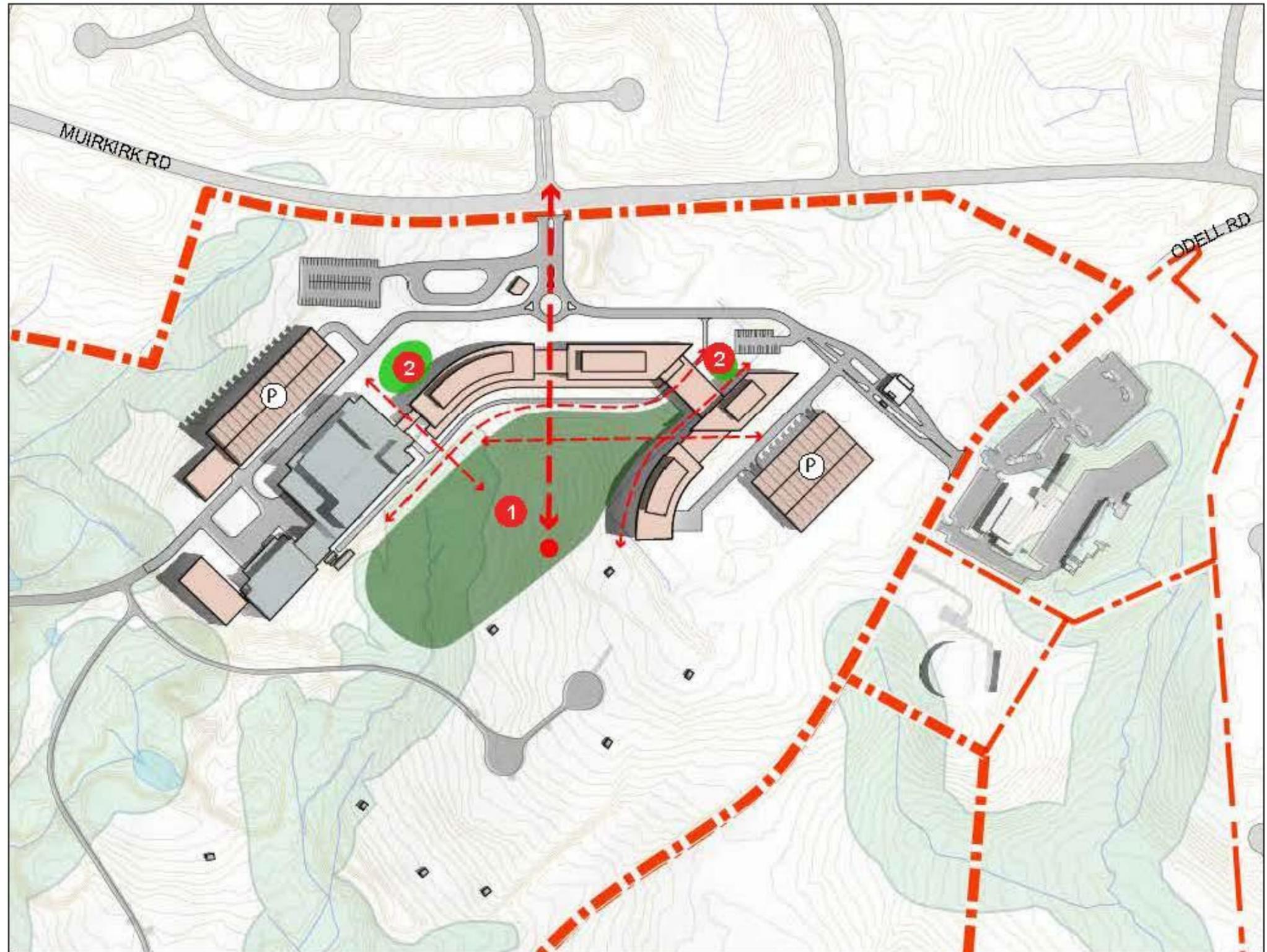
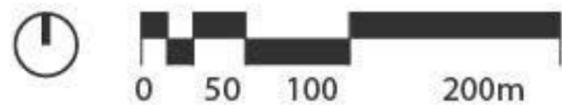
Alternative B: Dual Campus; Distributing development between two sites

Concept Diagram

- 1 Natural landscape amenity space
- 2 Distributed campus landscape space

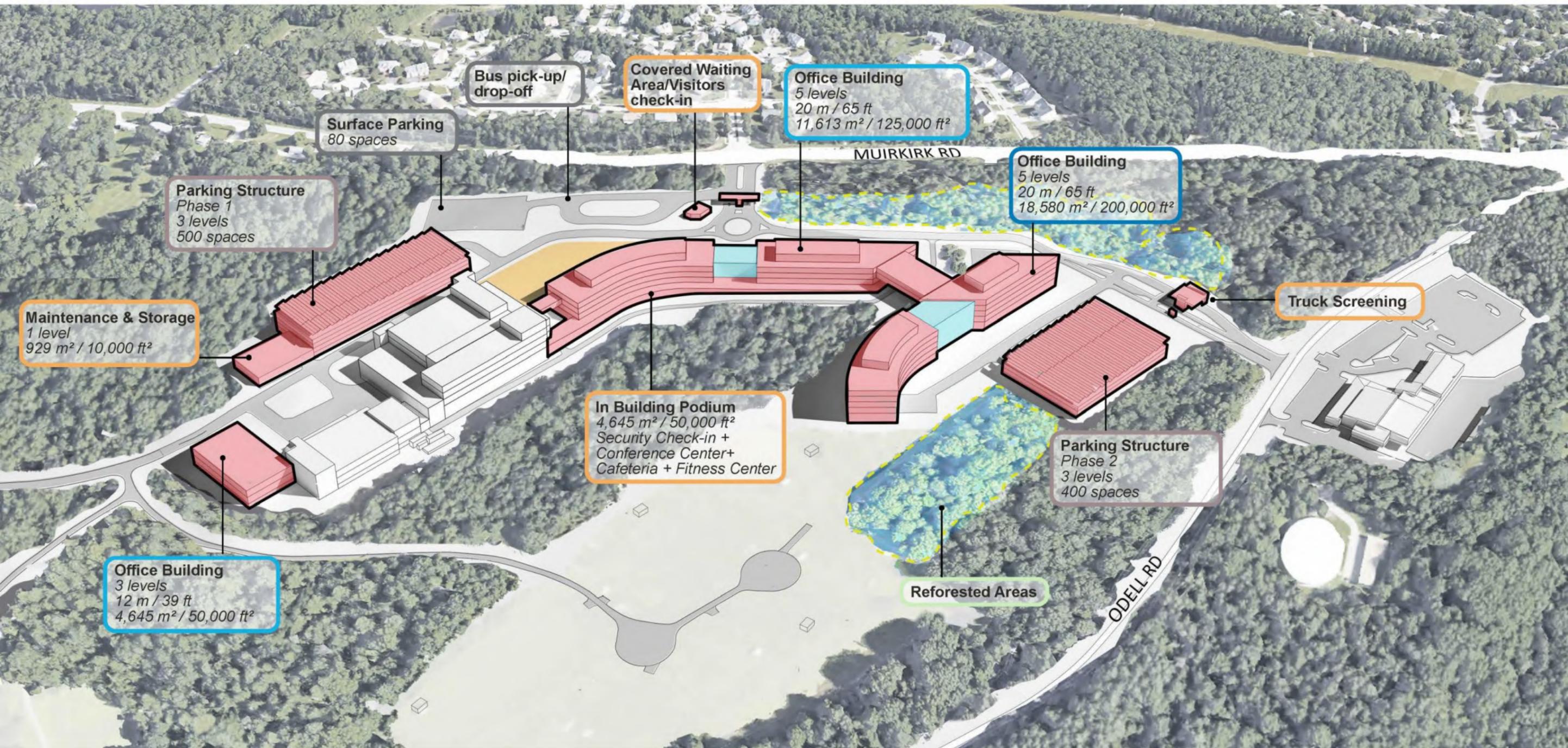
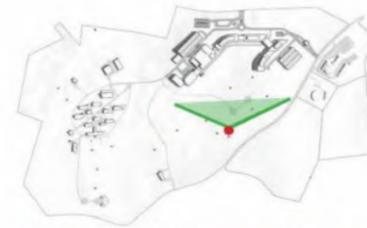
## LEGEND

- MRC Boundary
- Other FDA-Owned Parcels
- Existing Buildings
- New Buildings
- P Parking Structure
- ↔ Axial Relationship
- Stream Valley Buffer



# Preliminary Draft Development Alternatives

Alternative B: Dual Campus; Distributing development between two sites  
Aerial View Looking North



# Preliminary Draft Development Alternatives

Alternative B: Dual Campus; Distributing development between two sites

Illustrative Plan - Overall Land Use

- 1 New Office Building
- 2 New Parking Garage
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## SUSTAINABILITY FEATURES

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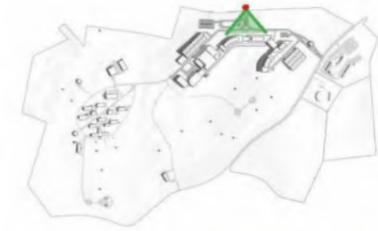
## LEGEND

-  MRC Boundary
-  Other FDA-Owned Parcels
-  Existing Buildings
-  Parking Structure
-  Stream Valley Buffer

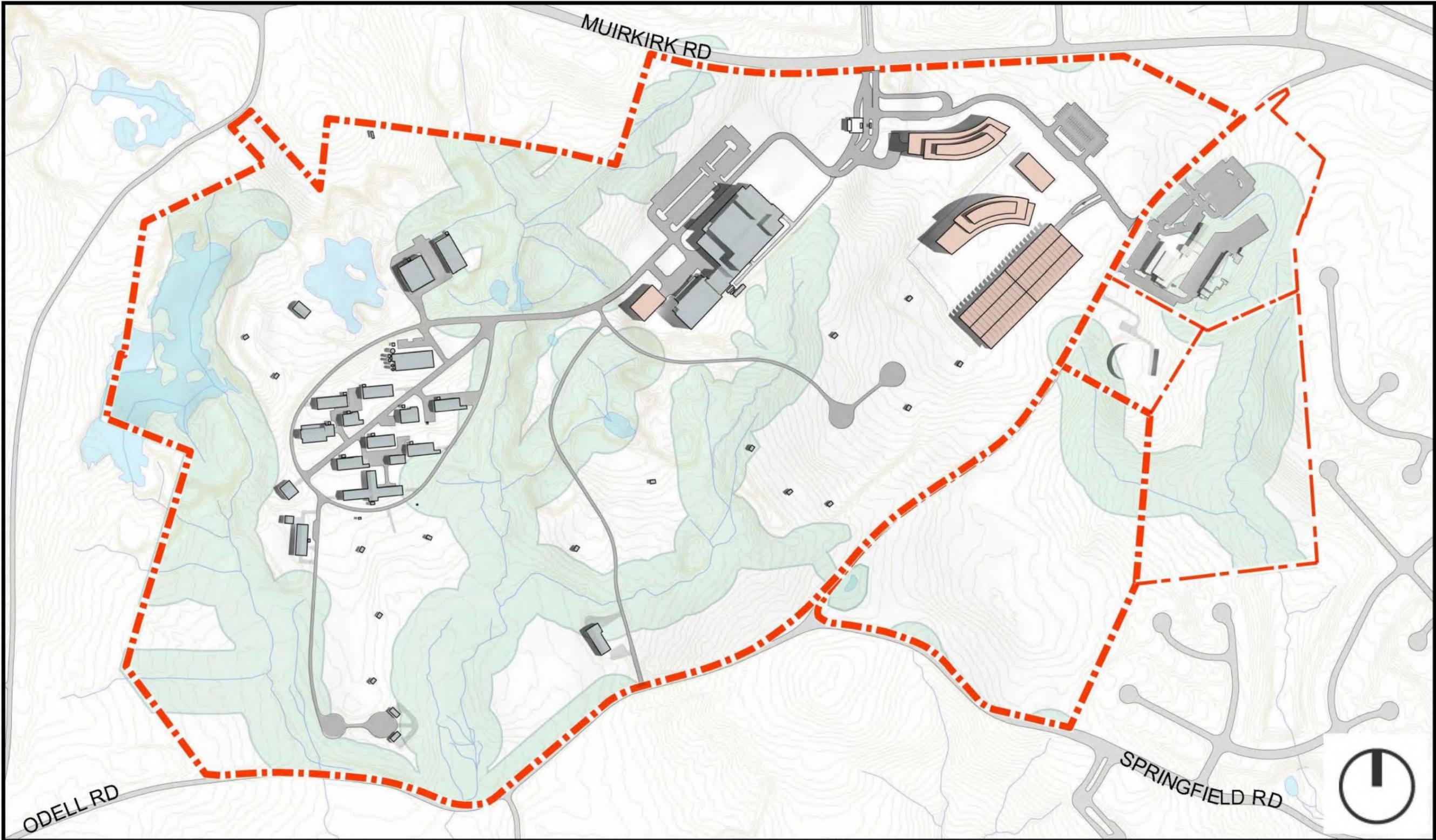


# Preliminary Draft Development Alternatives

Alternative B: Dual Campus; Distributing development between two sites  
*View from Muirkirk Road Looking Southeast*



# Preliminary Draft Development Alternatives



Alternative C:  
Northeast Campus; Re-imagining BRF

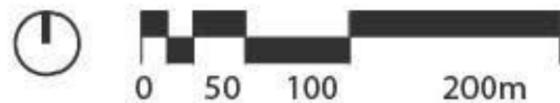
# Preliminary Draft Development Alternatives

Alternative C: Northeast Campus, Reimaging BRF  
Concept Diagram

- 1 Natural landscape amenity space
- 2 Distributed campus landscape space

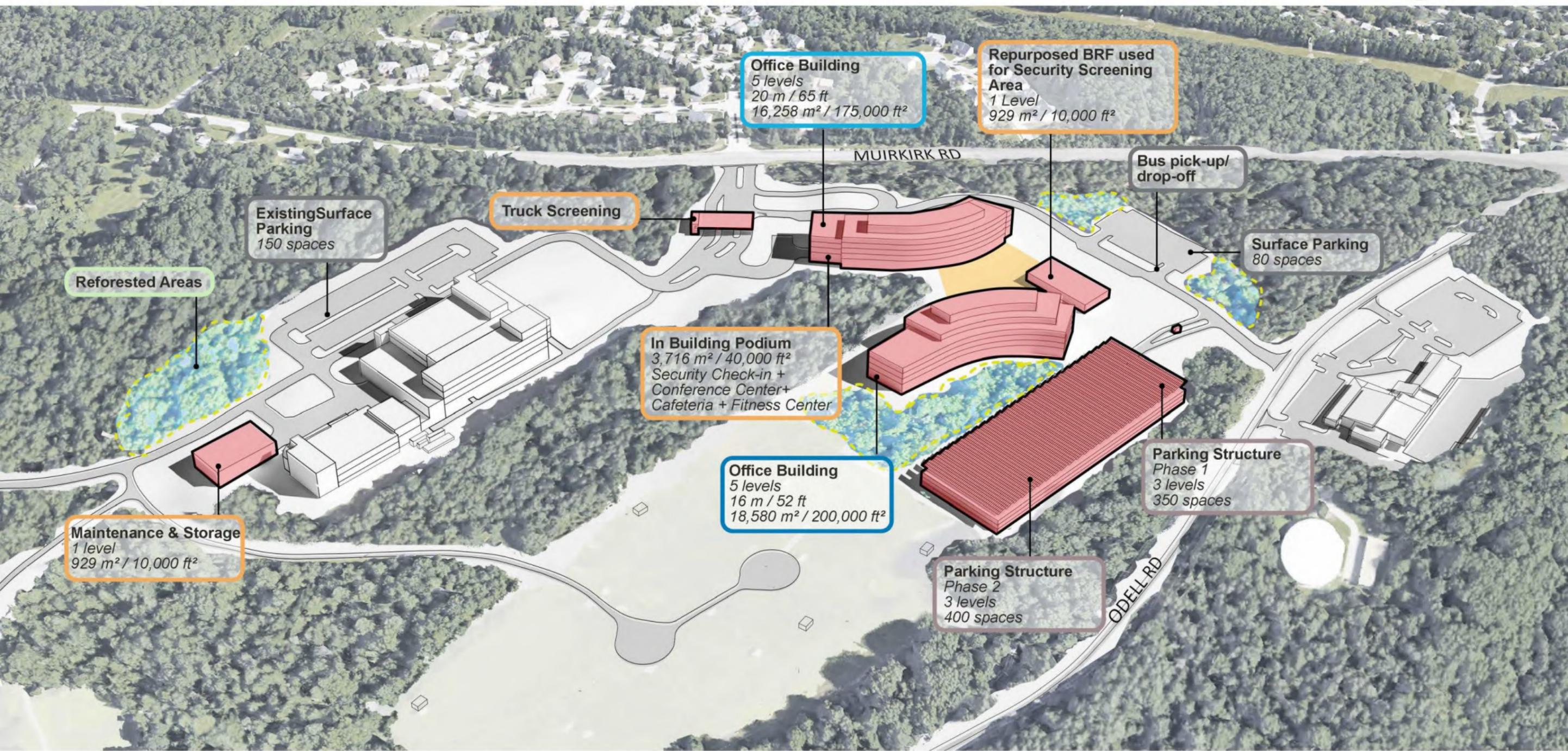
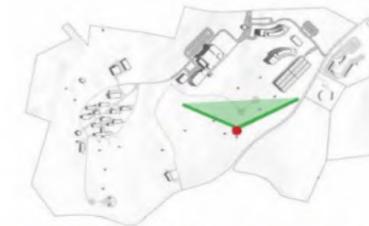
## LEGEND

- MRC Boundary
- Other FDA-Owned Parcels
- Existing Buildings
- New Buildings
- P Parking Structure
- ↔ Axial Relationship
- Stream Valley Buffer



# Preliminary Draft Development Alternatives

Alternative C: Northeast Campus; Reimaging BRF  
 Aerial View Looking North



# Preliminary Draft Development Alternatives

## Alternative C: Northeast Campus; Re-imagining BRF

### Illustrative Plan - Overall Land Use

- 1 New Office Building
- 2 New Parking Garage
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- 5 Covered Waiting Area/Visitors Check-in
- 6 Bus pick-up/drop-off
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### SUSTAINABILITY FEATURES

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### LEGEND

-  MRC Boundary
-  Other FDA-Owned Parcels
-  Existing Buildings
-  Parking Structure
-  Stream Valley Buffer



# Preliminary Draft Development Alternatives

Alternative C: Northeast Campus; Reimaging BRF  
*View from Muirkirk Road Looking Southeast*



# ARCHAEOLOGICAL FINDINGS

## Previous Archaeological Surveys

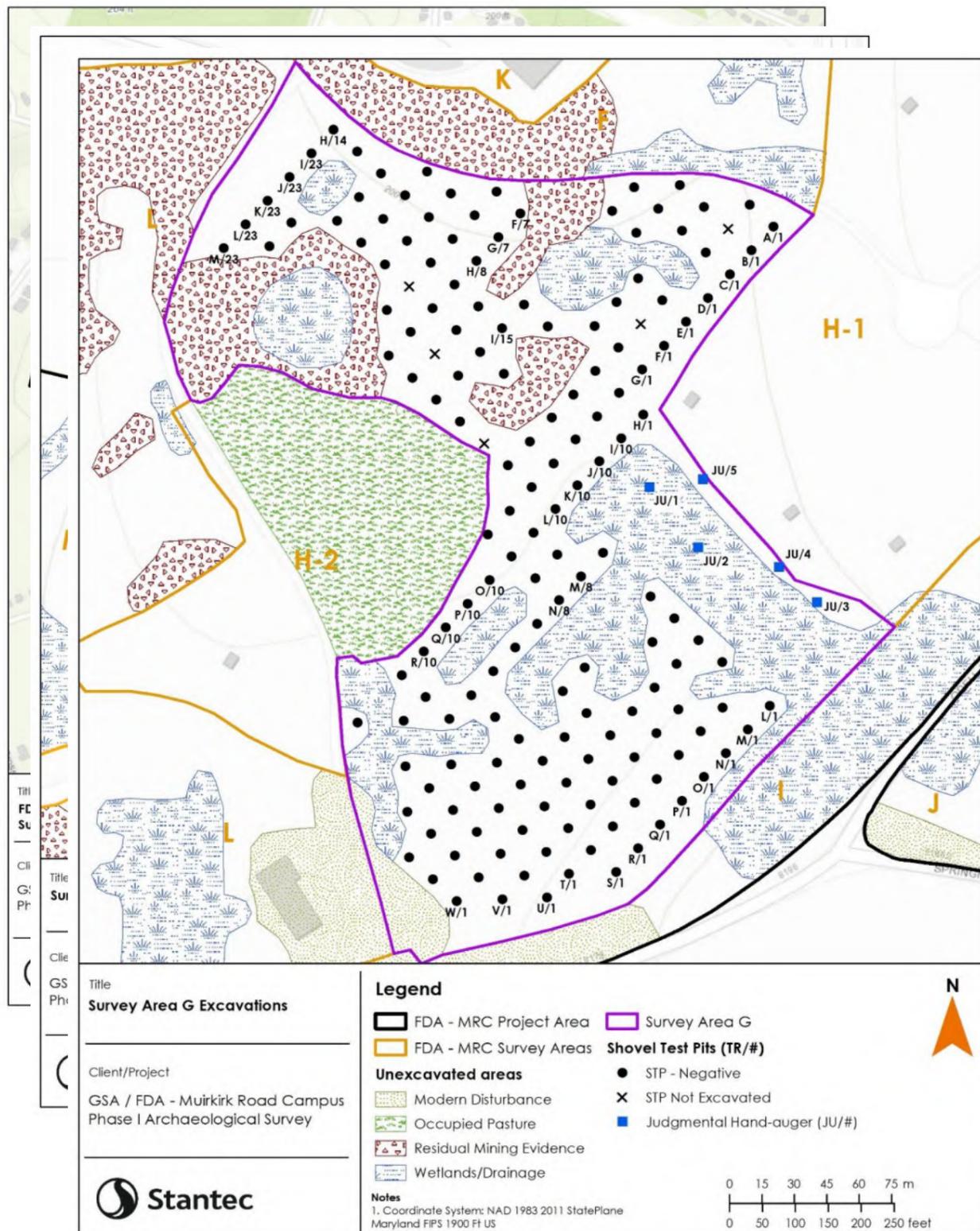


- 1981 McCarthy and Thomas
  - East of Odell Rd, MdNG Facility
    - 18PR377
  - South and West of BRF
  - North of Odell Rd, Quarantine Facility
- Curry 1983
  - ICC Alternative
  - “Windshield” Survey

*Previous Surveys and Preferred Alternative*

# ARCHAEOLOGICAL FINDINGS

## 2020 Archaeological Survey

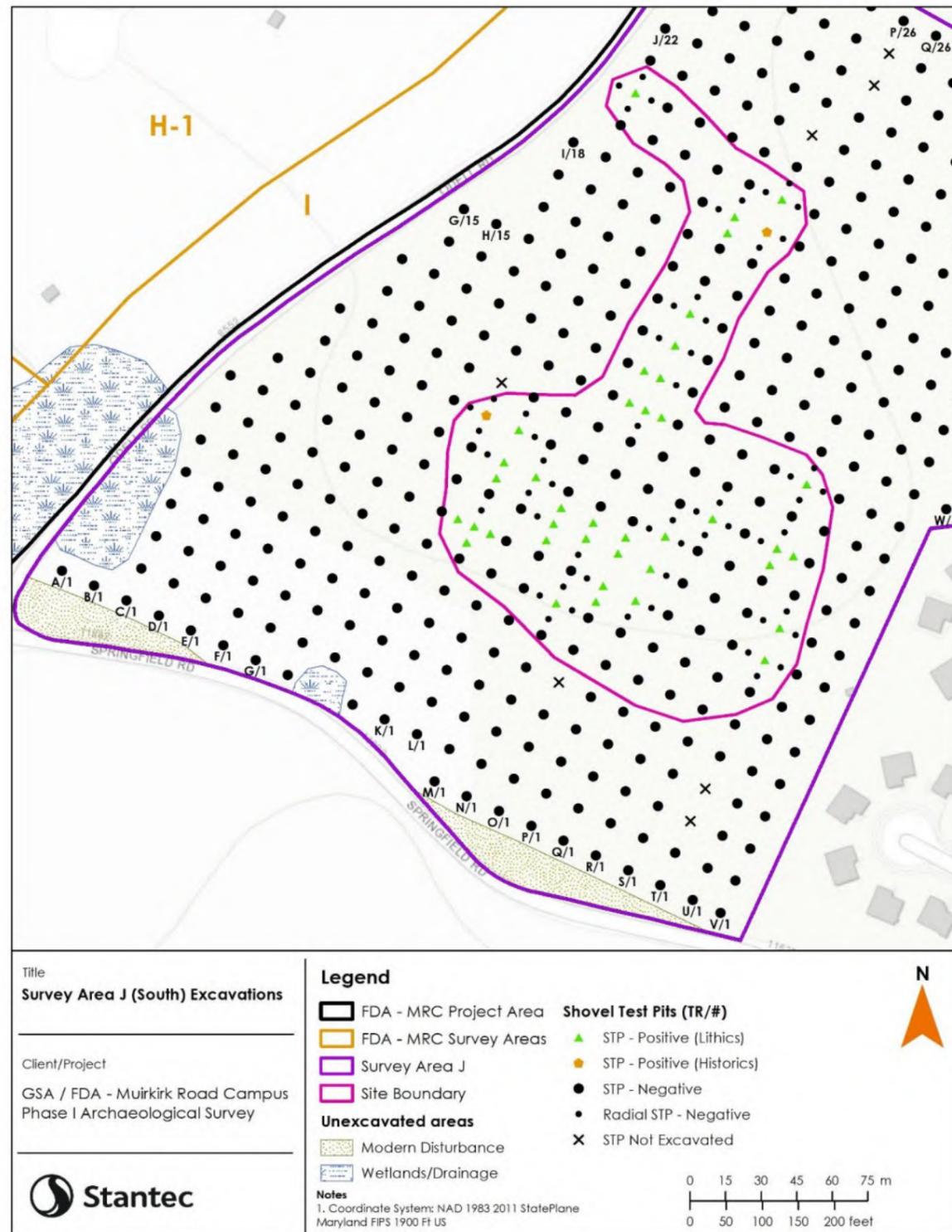


- Total APE 233.2-ac
  - 194.7-ac main campus
  - 38.5-ac east parcel
- Shovel Test Pits (STPs) and Pedestrian Survey
  - 14 Survey areas
  - 1,738 STPs
  - 43 hand auger tests

2020 Survey Areas

# ARCHAEOLOGICAL FINDINGS

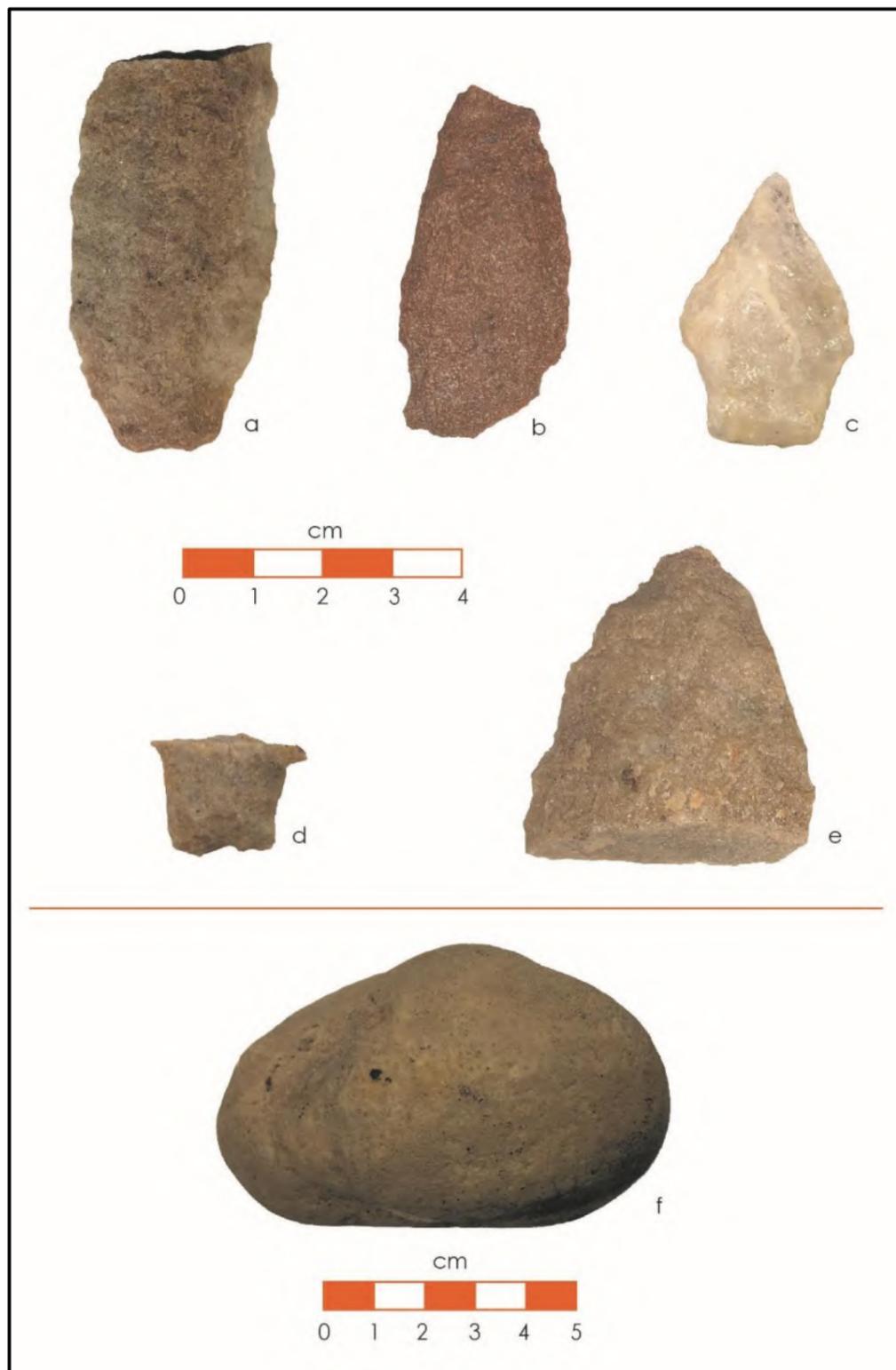
## Results of Archaeological Survey



- No artifacts in main campus area
- Mining Pits Throughout
- No evidence of Moore and Snowden Residences from 19<sup>th</sup> century maps
- Site 18PR1198 in East Parcel

Site 18PR1198

## Results of Archaeological Survey



18PR1198 Stone Tools

- 5.8 acres on knoll east of Odell Rd
- 41 positive STPs
- Lithic Scatter
  - Late stage production flakes
  - Ground stone tool
  - Late stage bifacial tools
- Diagnostic artifacts
  - Middle Archaic (6,200-5,000 BP)
  - Late Archaic (4,500-3,500 PB)
  - Early Woodland (3,100-2,500 BP)
- No evidence of features
- Site may be unplowed or minimally plowed, but logged

# Next Steps

## Environmental Impact Statement (EIS)

### Draft EIS

- December 2020 – end of March 2021

### Public Review Draft EIS

- June 4-July 19, 2021
- Public Hearing Week of June 23, 2021

### Final EIS/Record of Decision

- Mid to late 2022 (tentative)

## NHPA/Section 106

### Consulting Parties Meetings

- March-April 2021
  - Introduction
  - Alternatives
  - Effects
  - Draft Agreement Documents

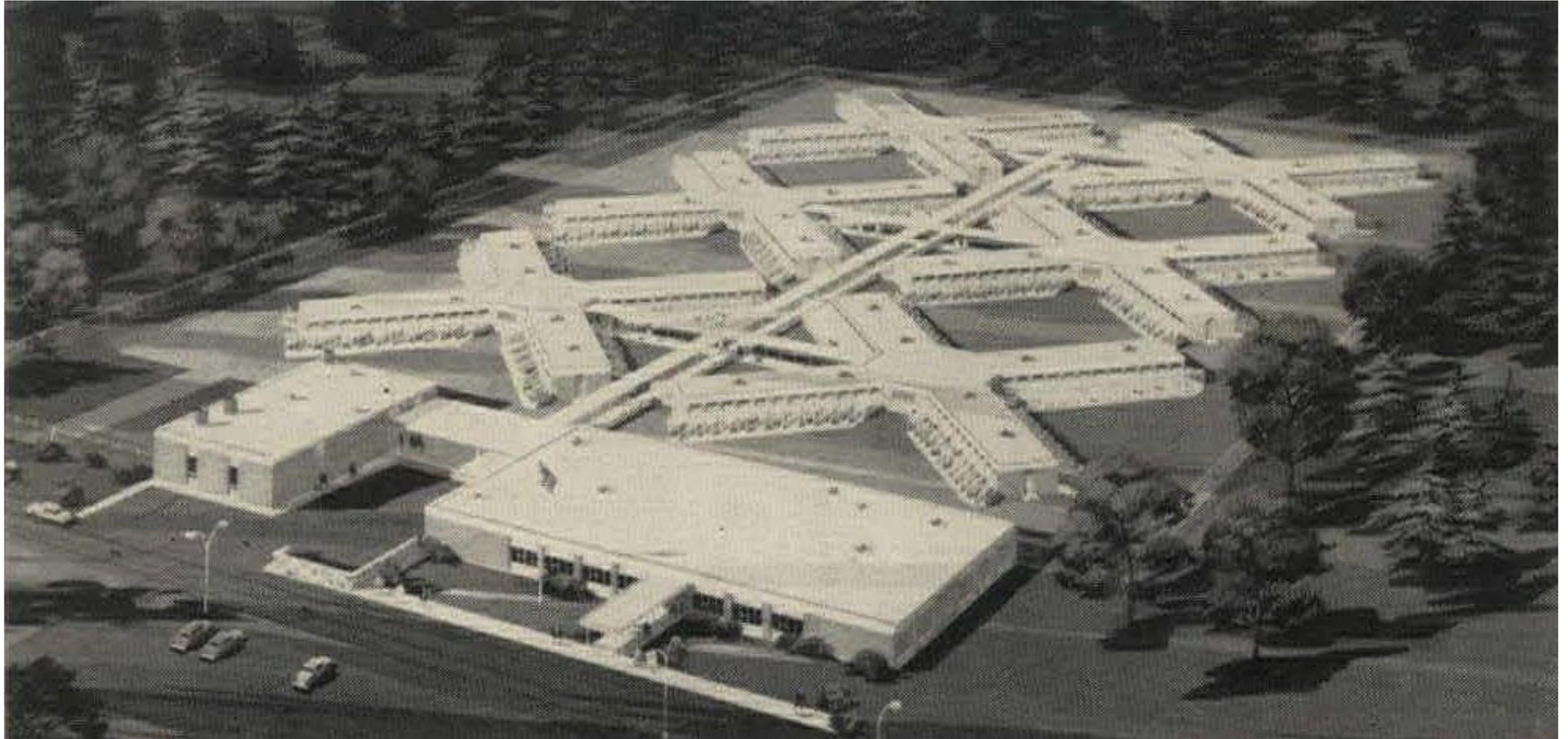
### Draft Agreement Documents

- June 2021 (EIS Appendix)

### Sign Agreement Document

- Mid to late 2022 (tentative)

# Questions and Answers



*Beltsville Research Facility, Rendering from **Architectural Forum**, 1963.*