

# Swarthmore



Swarthmore College  
Facilities Planning Framework  
March 2012

## Study 1: Observations and Analysis Executive Summary

AYERS  
SAINT  
GROSS



## Campus Analysis: Facts and Figures

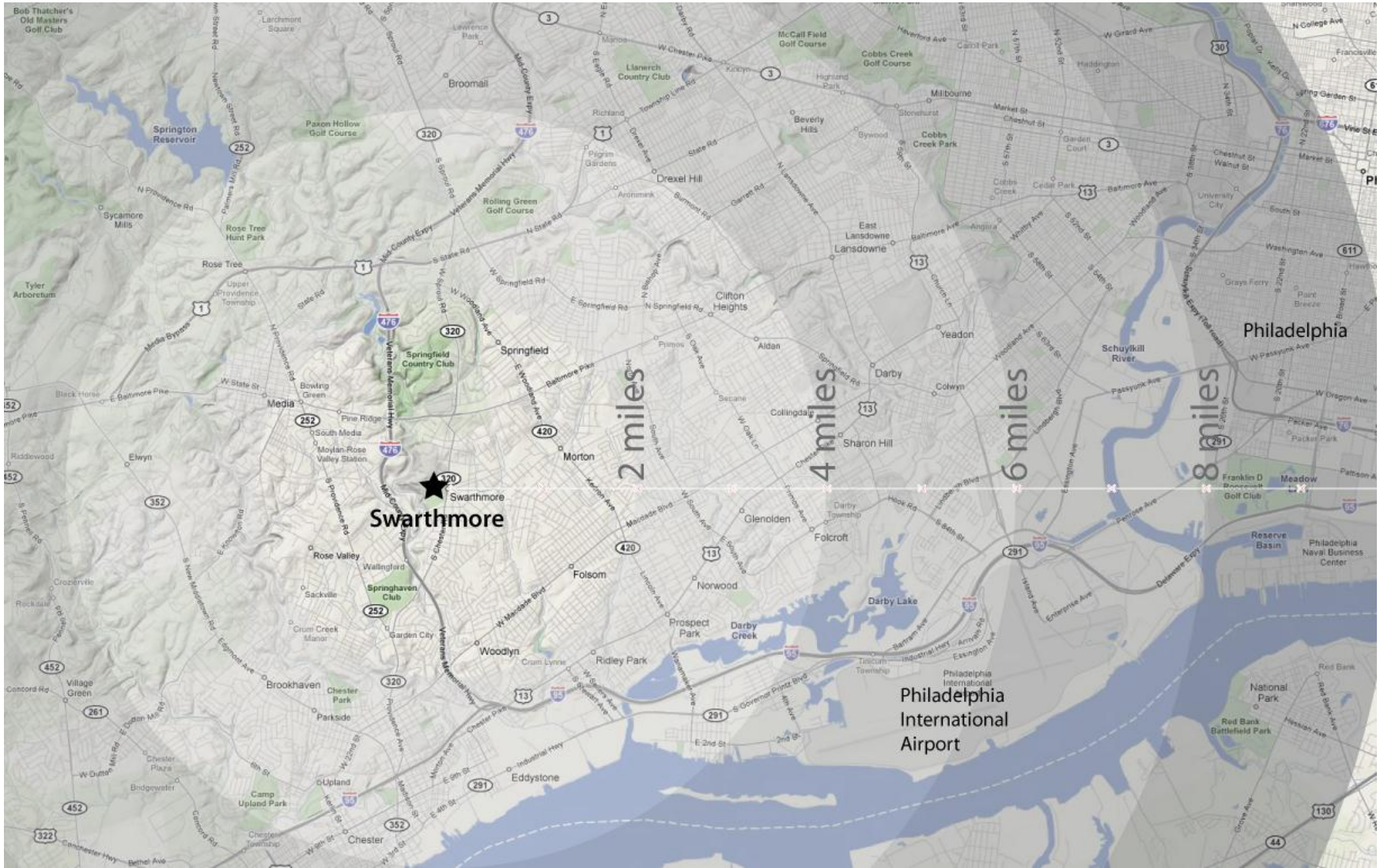
- Founded in 1864 as a coeducational college by members of the Religious Society of Friends (Quakers)
- 11 miles southwest of Philadelphia
- 425 acre campus, officially designated as the Scott Arboretum
- 1,545 undergraduates
- 173 tenured and tenure-track faculty positions and 71 temporary and part-time faculty positions
- 1,478,000 GSF
- 1,371 Beds; 93% of students live on campus

*Source: Swarthmore College 2011-2012 Academic Year Institutional Analysis*





# Campus Analysis: Regional Context





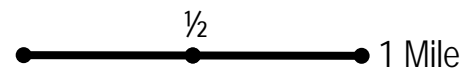
# Campus Analysis: Borough of Swarthmore



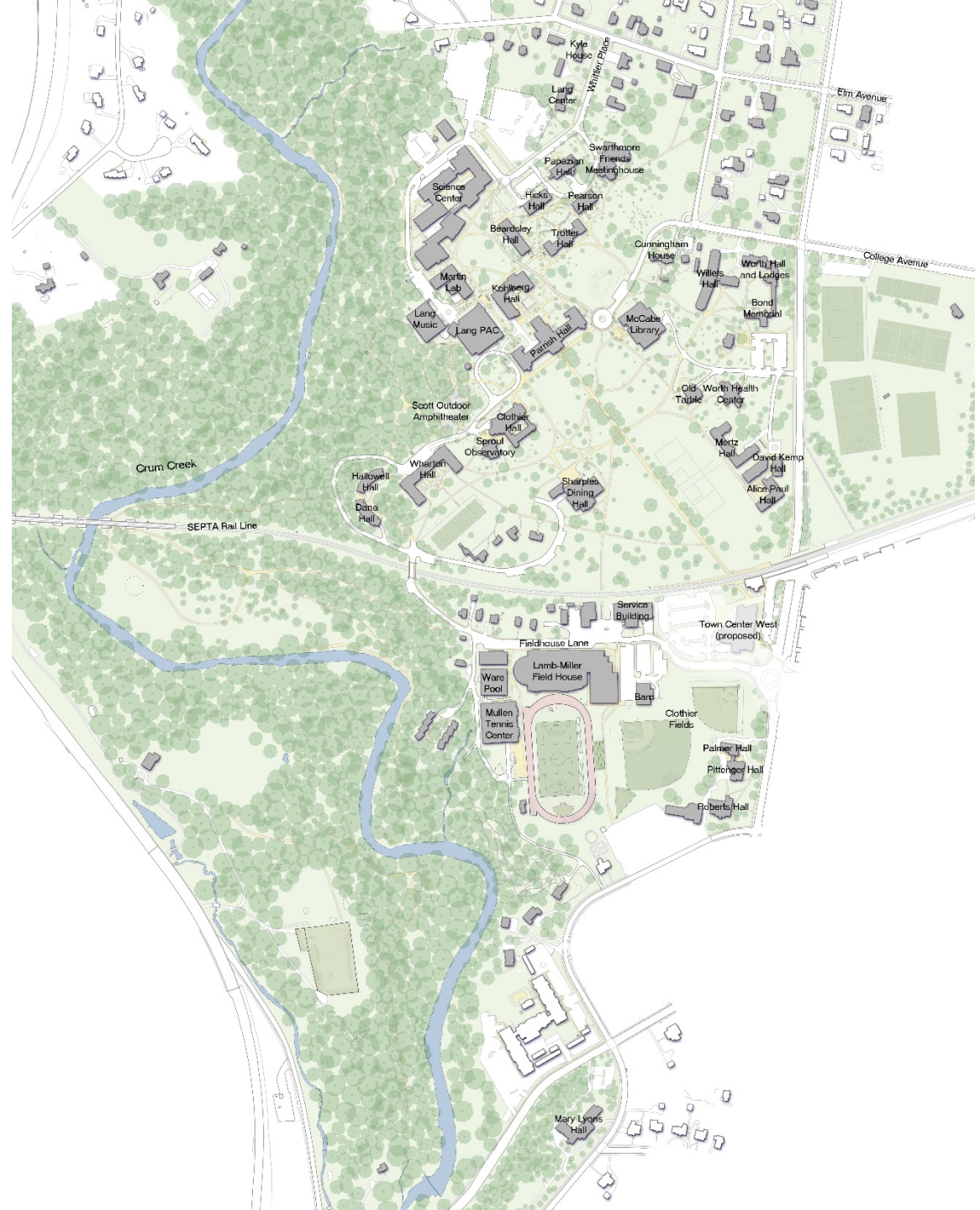
Swarthmore College  
Borough of Swarthmore



Delaware County PA  
Detail of Swarthmore Borough and Environs  
PENNDOT 2004



# Campus Analysis: Existing Conditions





# Campus Analysis: Core Campus



# Campus Analysis: Centers and Edges



CENTER: Parrish Hall



CENTER: Parrish Lawn



EDGE: SEPTA Line



EDGE: Crum Woods



EDGE: Adjacent streets





# Campus Analysis: Centers and Edges



CENTER: Parish Hall



CENTER: Parish Lawn



EDGE: SEPTA Line



EDGE: Crum Woods

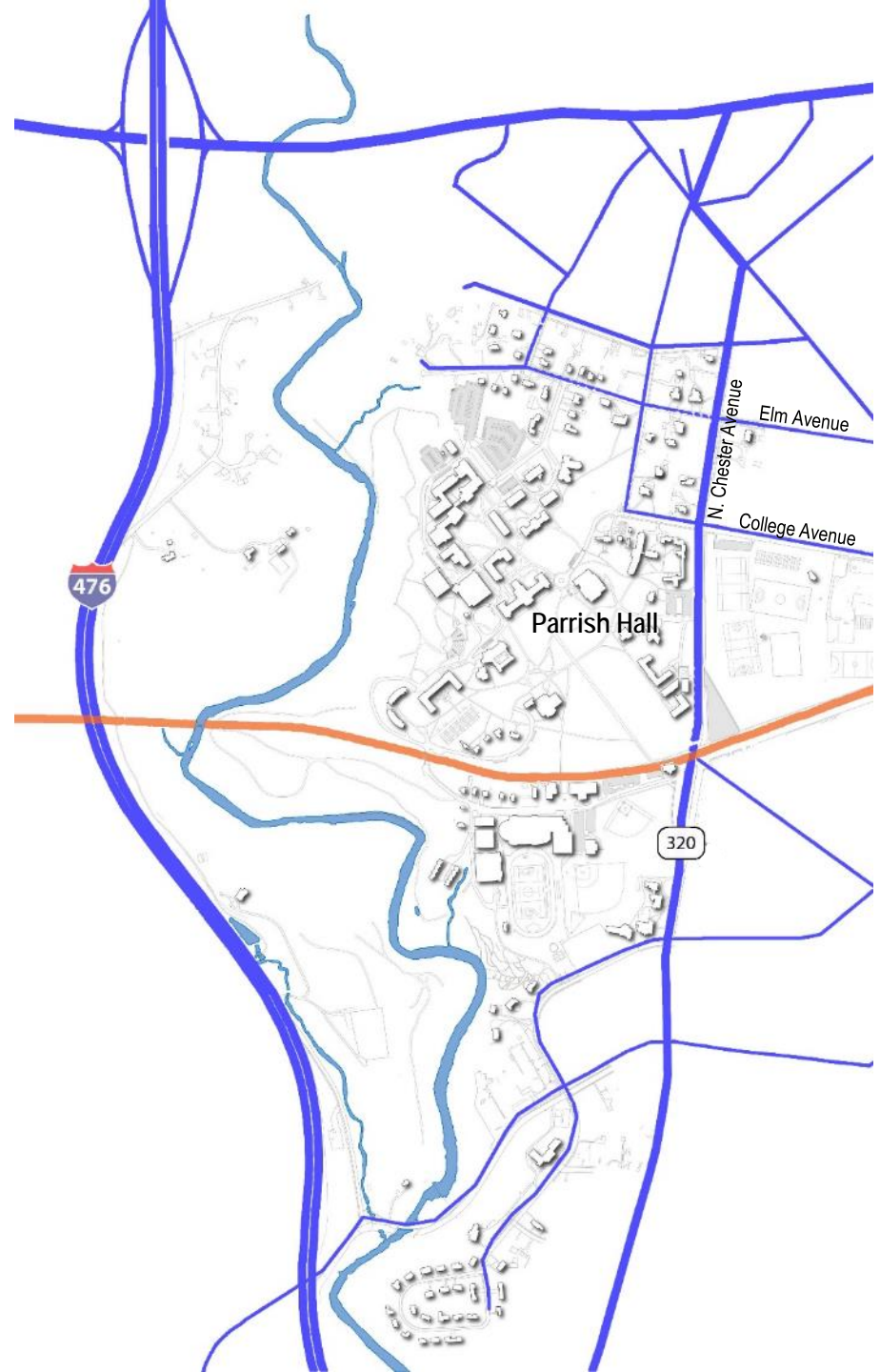




EDGE: Adjacent streets



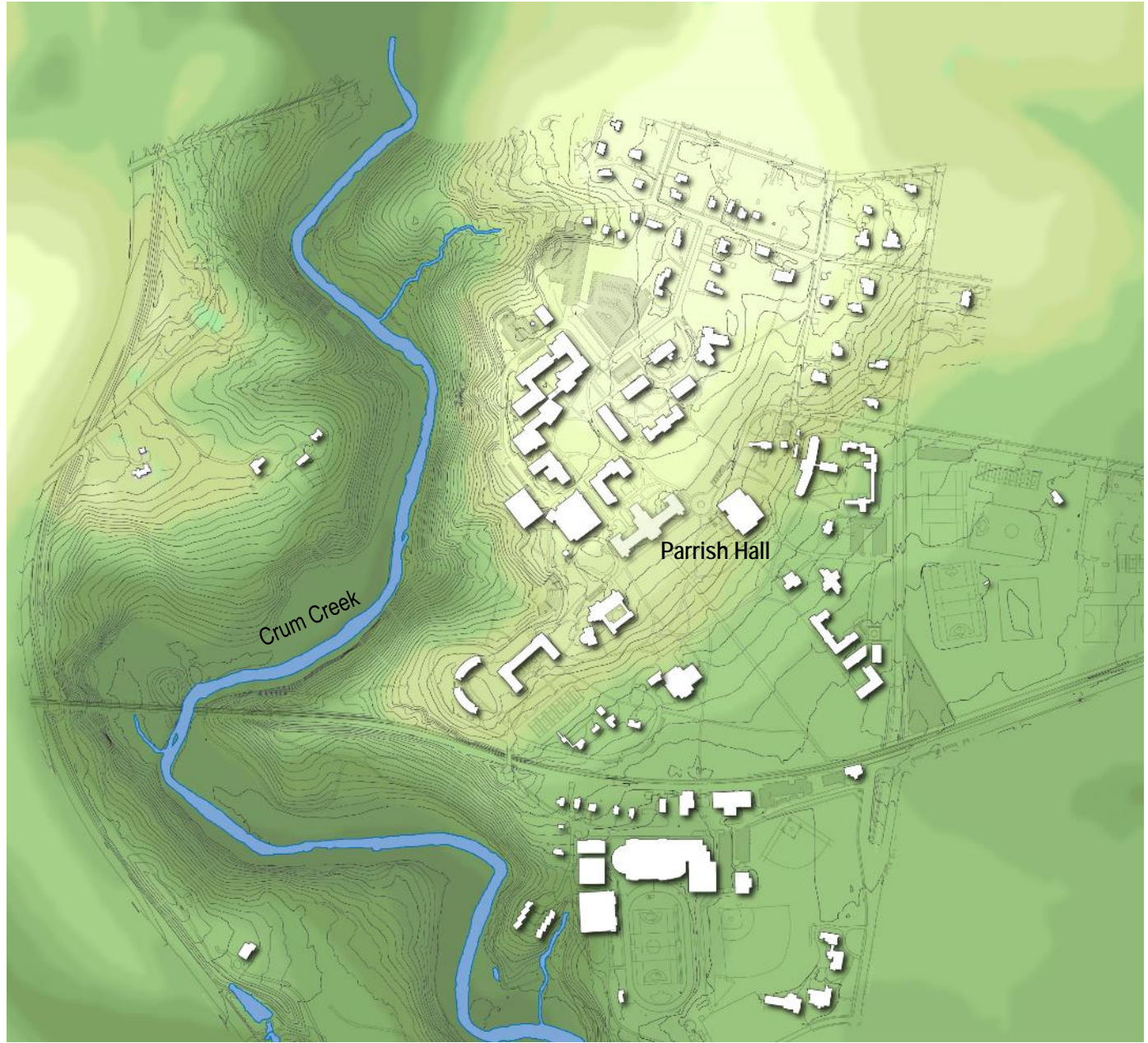




# Campus Analysis: Campus Core with Regional Connections

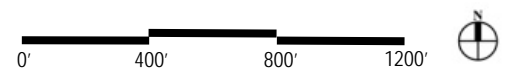


SEPTA Rail Line   
Adjacent Roadways 

# Campus Analysis: Topography within Campus Core

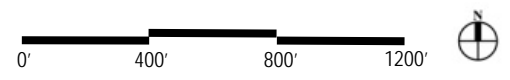
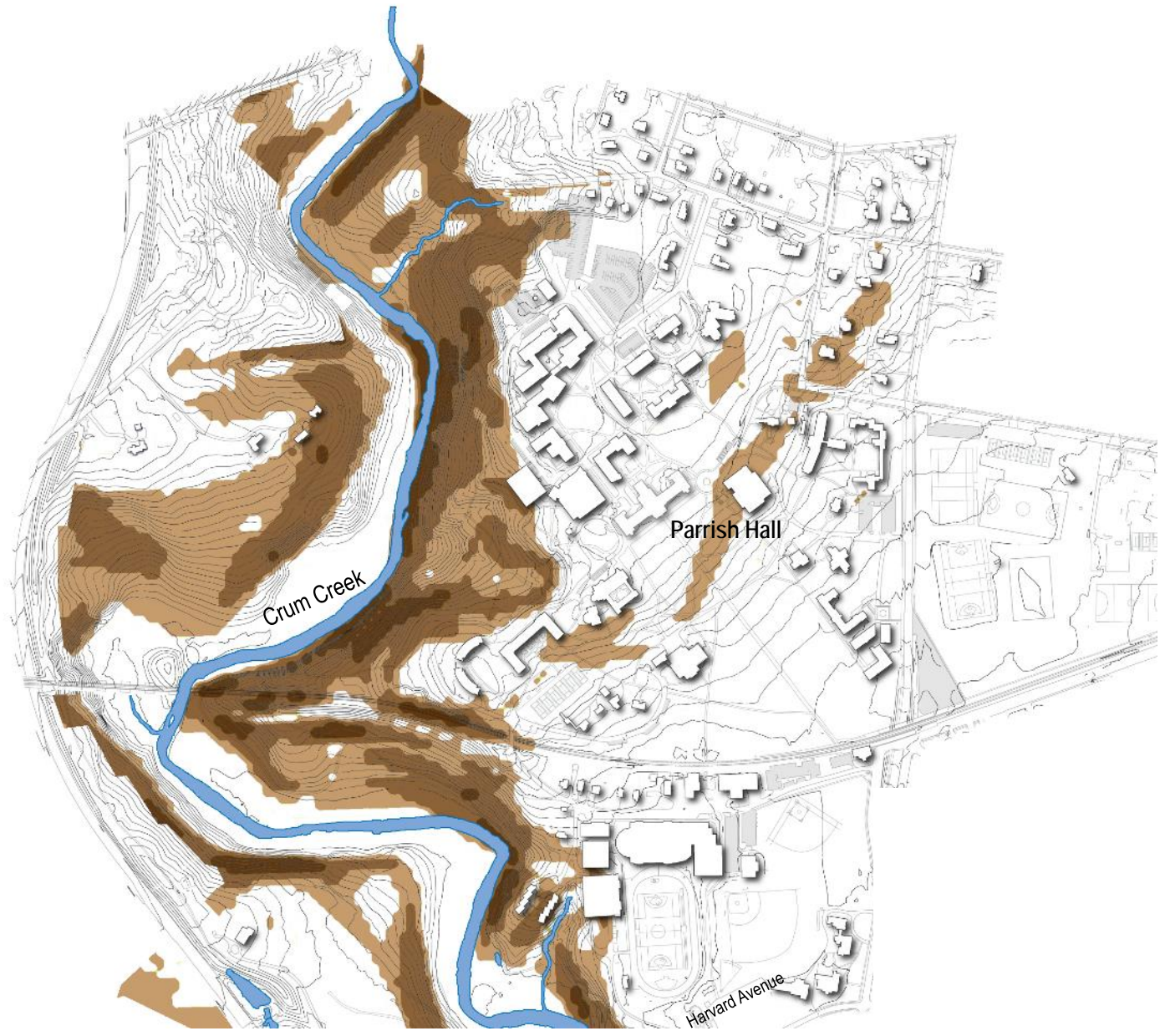
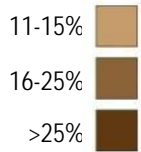


Highest Elevation   
Lowest Elevation 

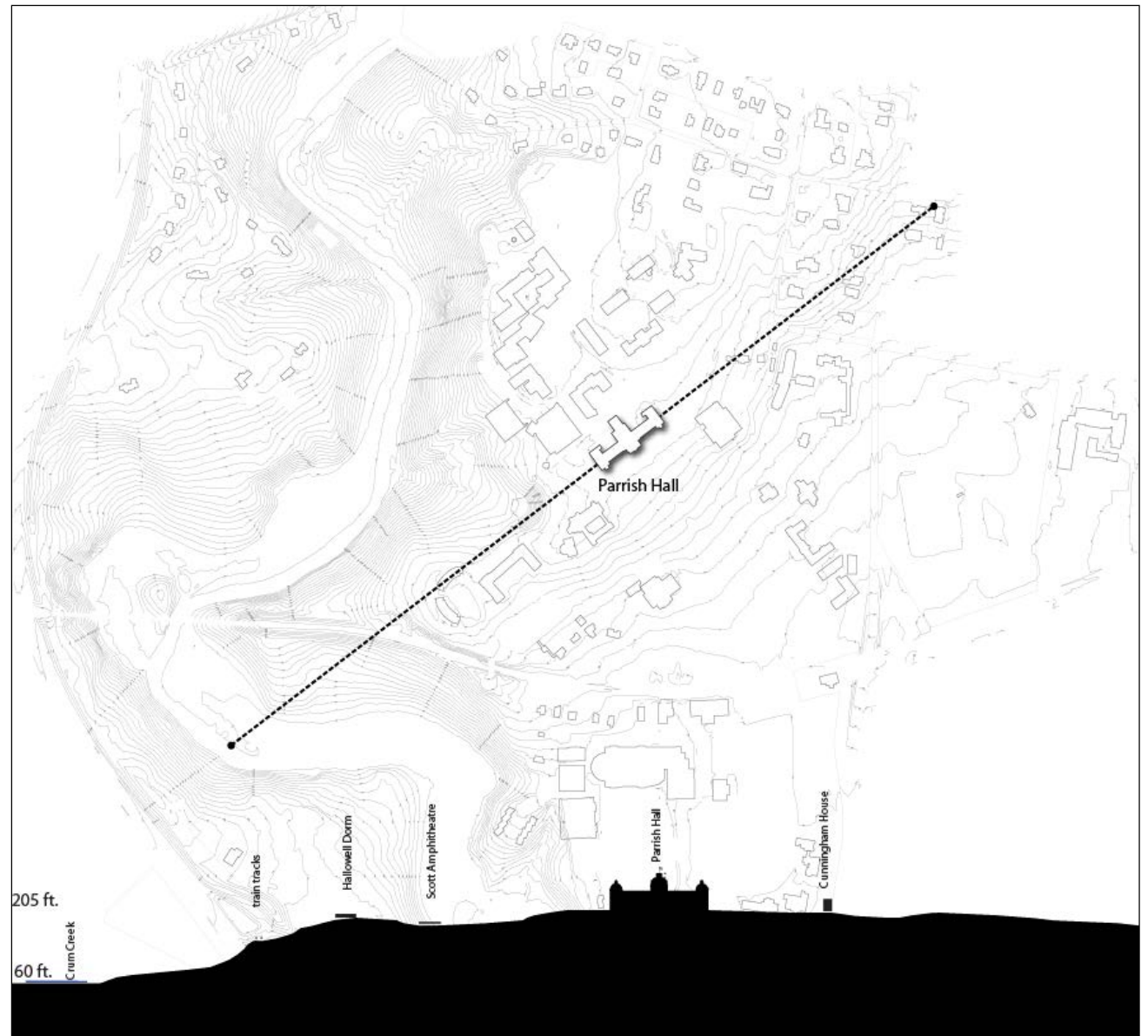




# Campus Analysis: Steep Slopes

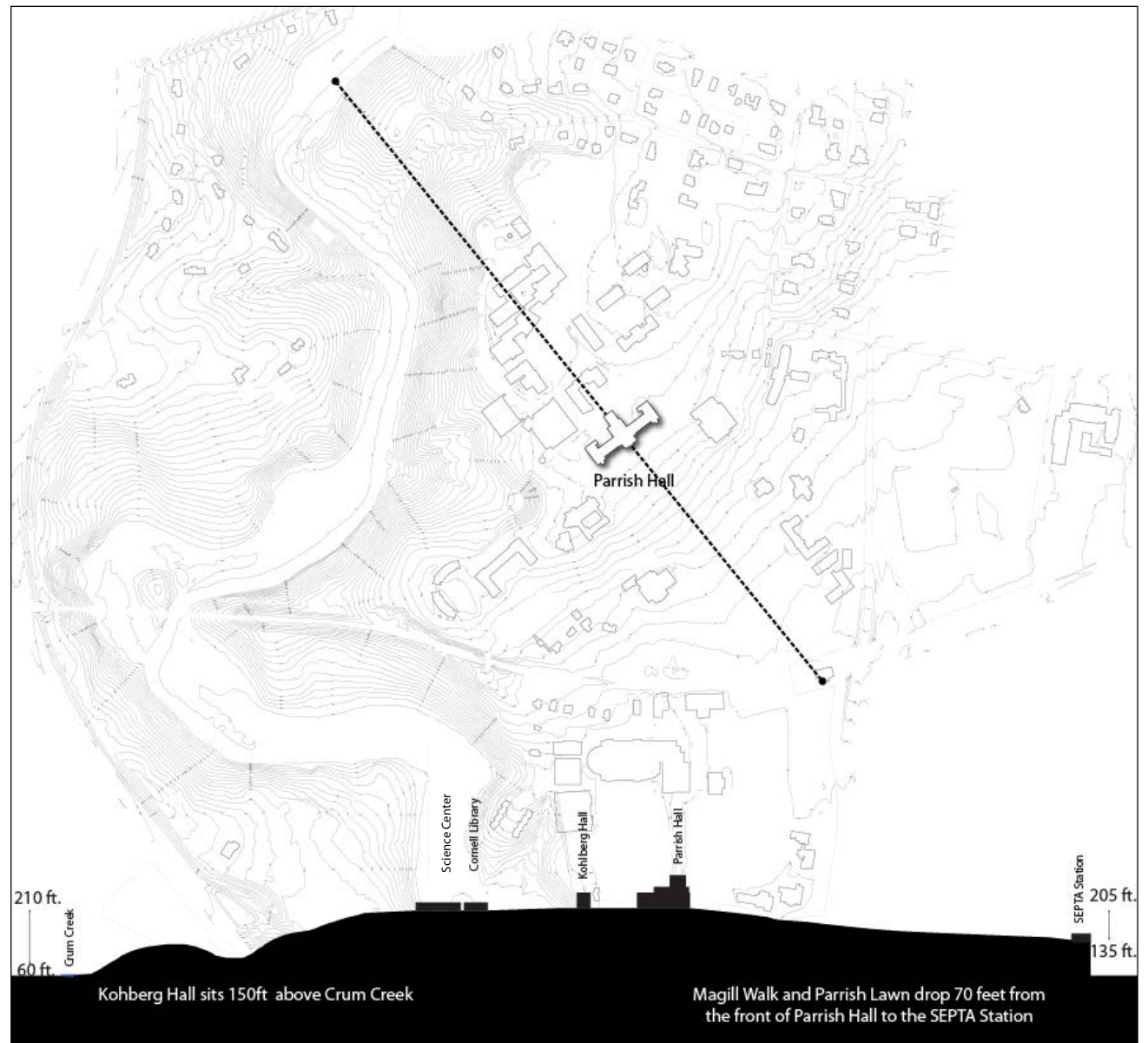


# Campus Analysis: East/West Section through Core Campus Topography





# Campus Analysis: North/South Section through Core Campus Topography



210 ft.  
60 ft.  
Crum Creek

Science Center  
Cornell Library

Parrish Hall

Kohberg Hall  
Parrish Hall





205 ft.  
135 ft.  
SEPTA Station

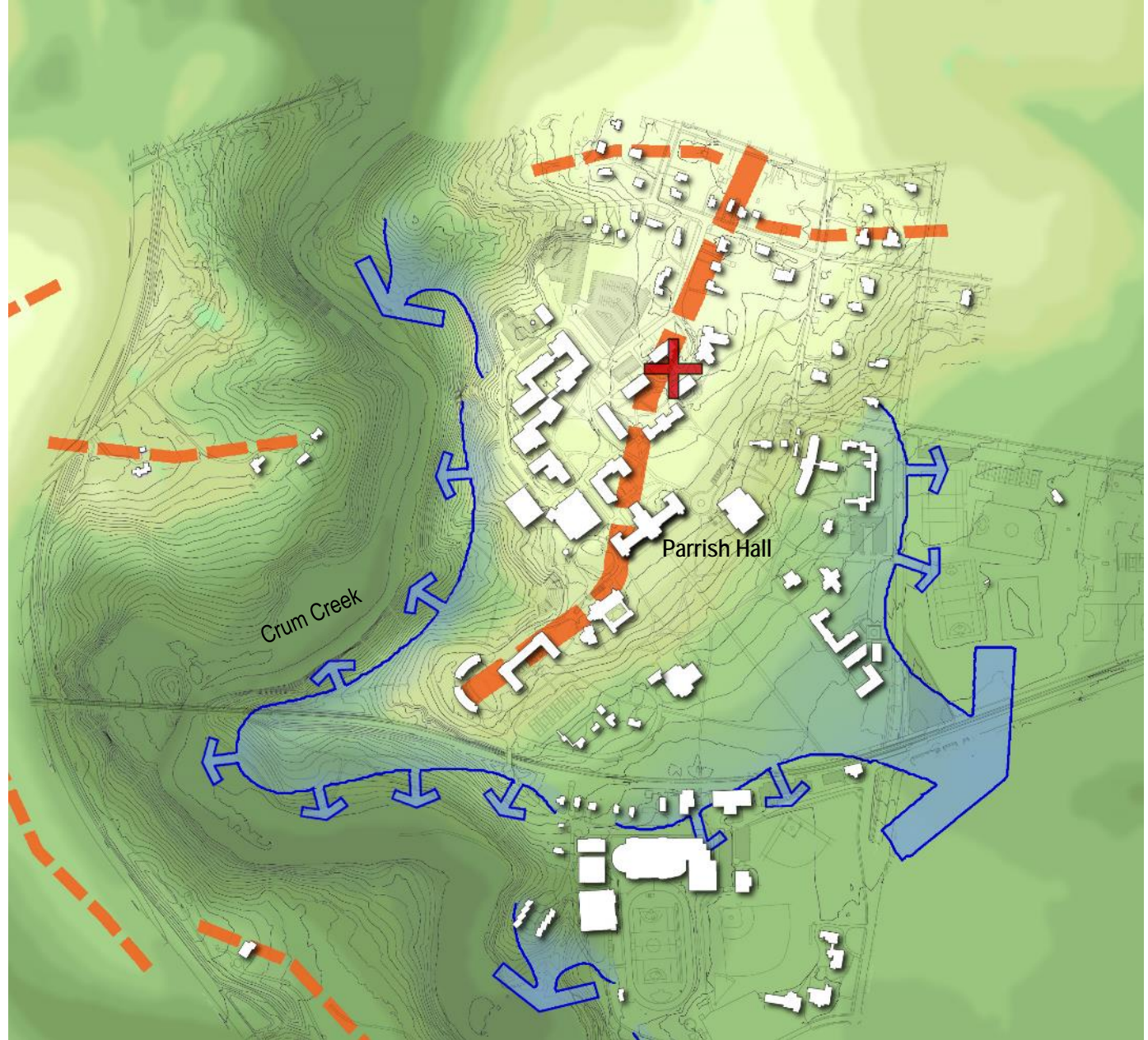
Kohberg Hall sits 150ft above Crum Creek

Magill Walk and Parrish Lawn drop 70 feet from the front of Parrish Hall to the SEPTA Station



# Campus Analysis: Hydrology and Flow

- High Point 
- Ridge Line 
- Highest Elevation 
- Lowest Elevation 





Campus Analysis:  
Building History  
1864



New Construction



# Campus Analysis: Building History 1890



Building previously  
constructed



New Construction



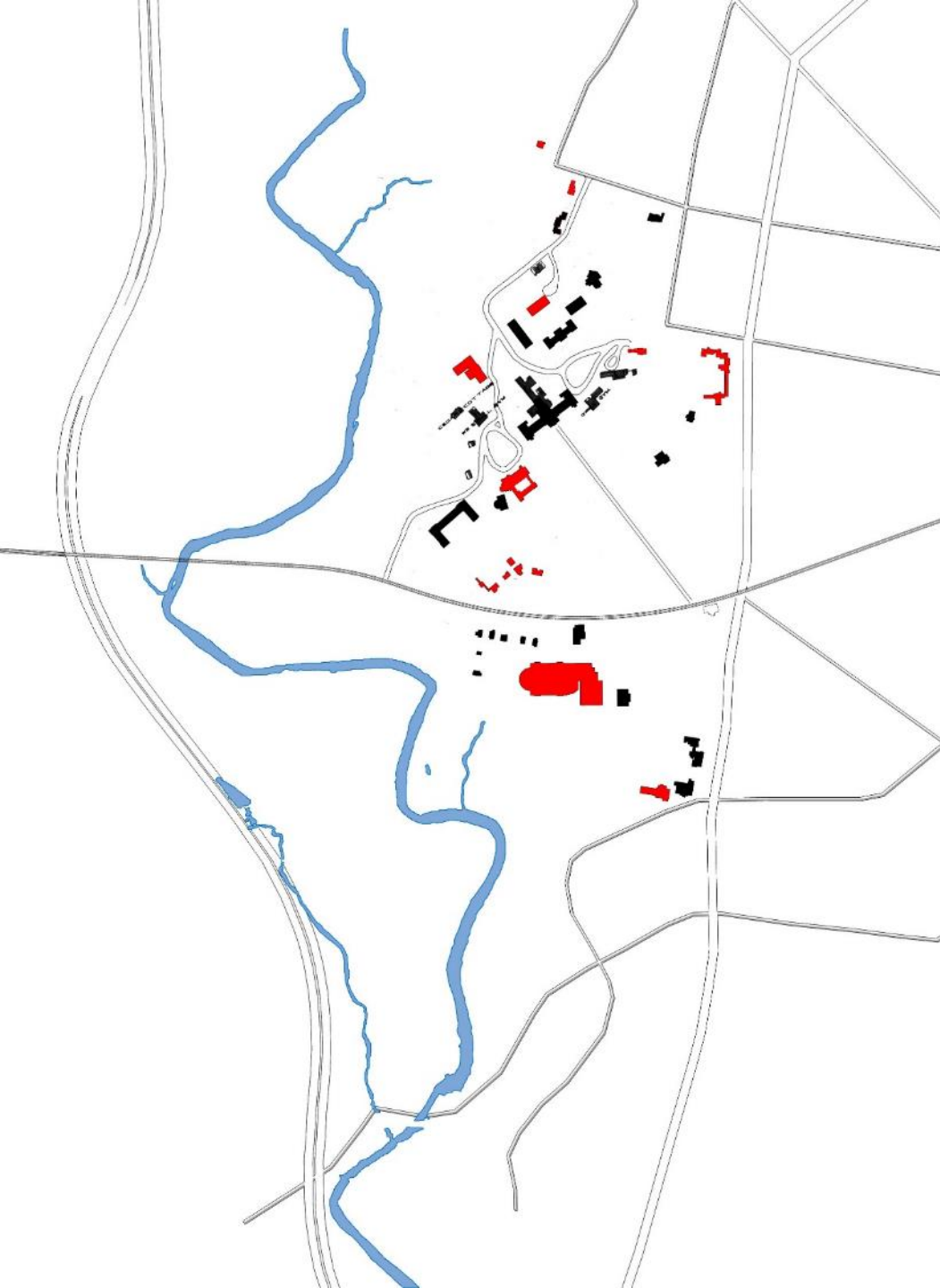








# Campus Analysis: Building History 1940



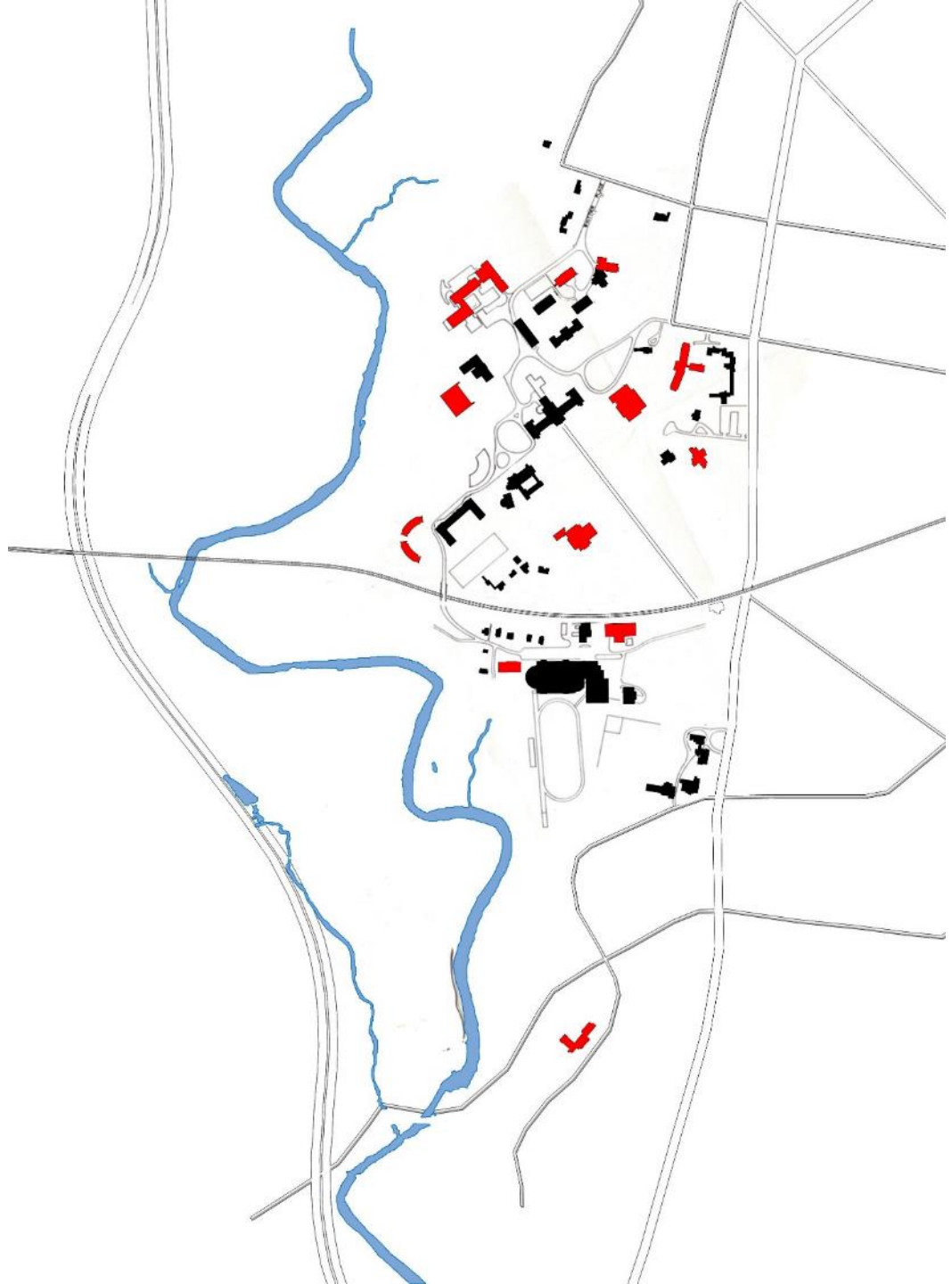
Building previously  
constructed



New Construction



# Campus Analysis: Building History 1980



Building previously  
constructed

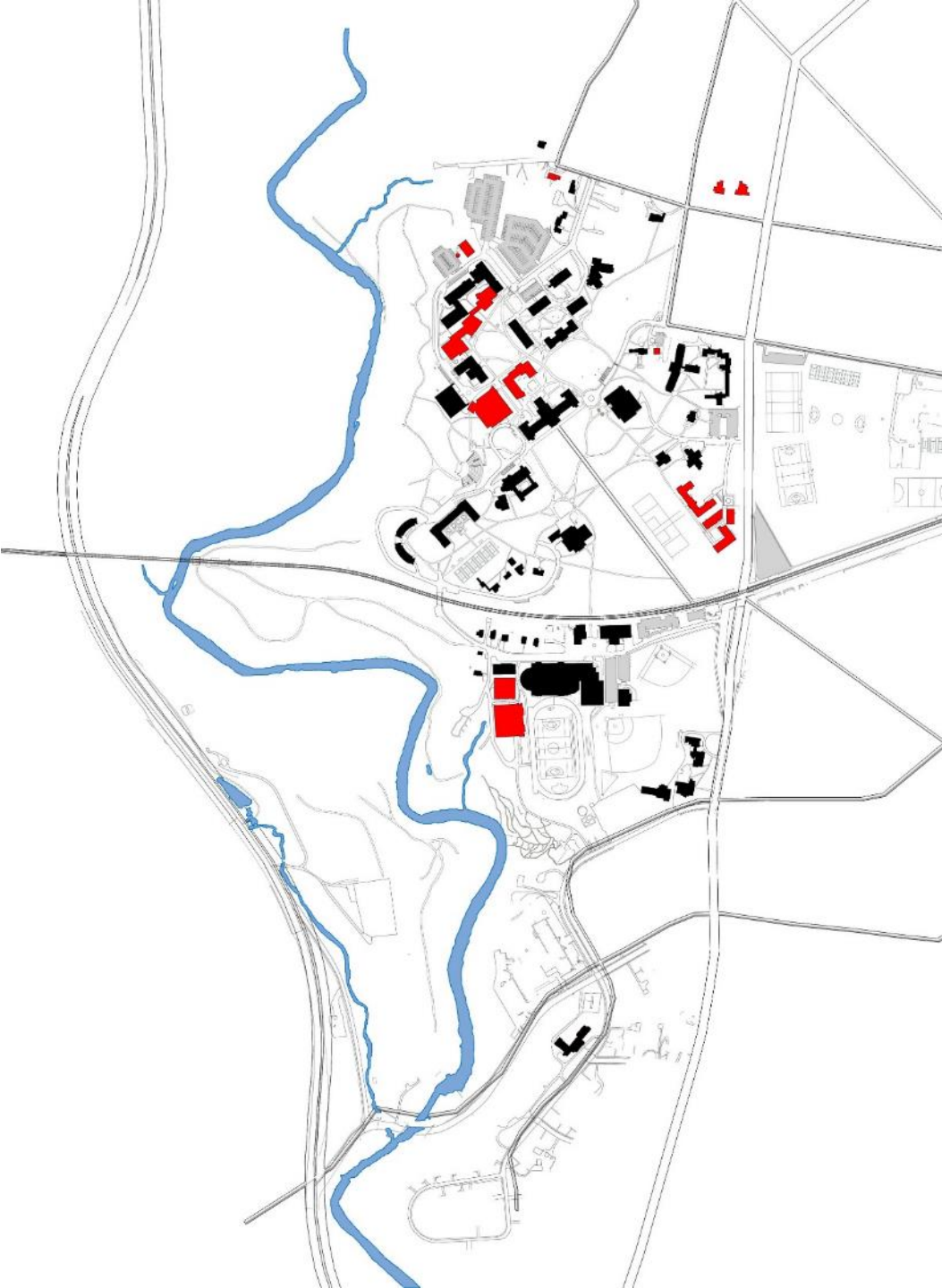


New Construction





# Campus Analysis: Building History 2010



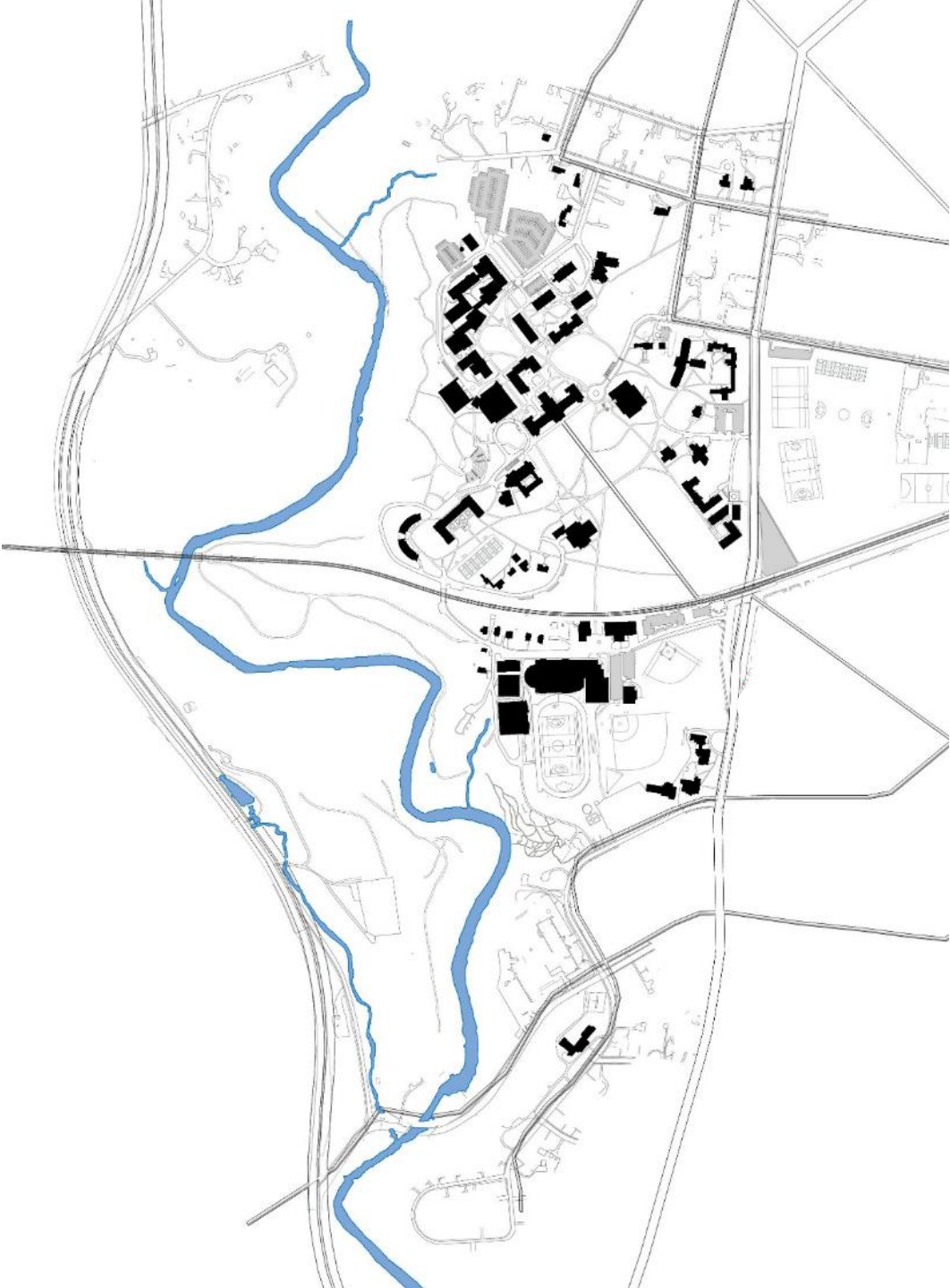
Building previously  
constructed




New Construction



# Campus Analysis: 2012 Existing Campus



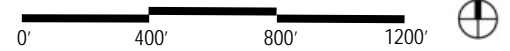
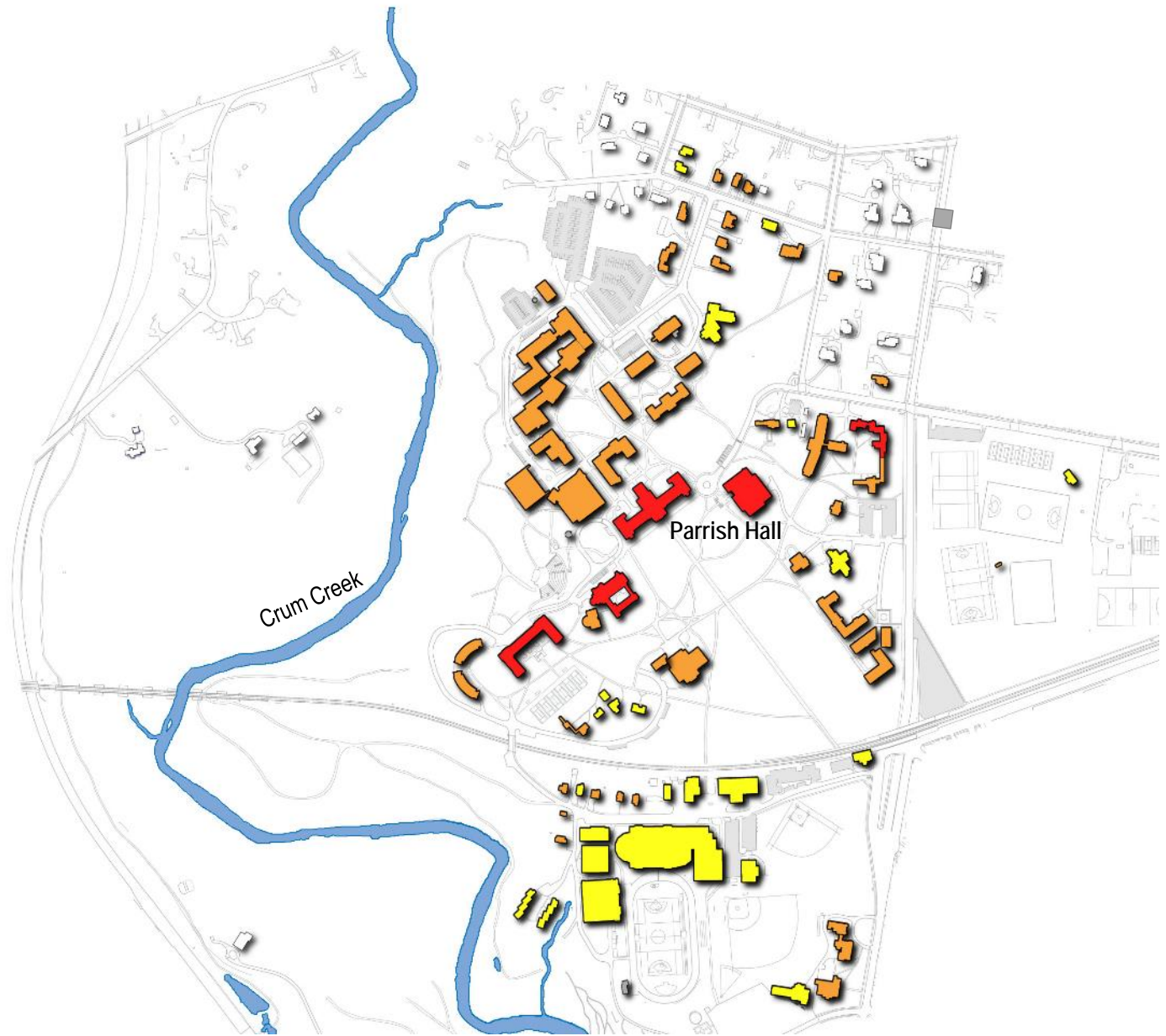
Existing Building 



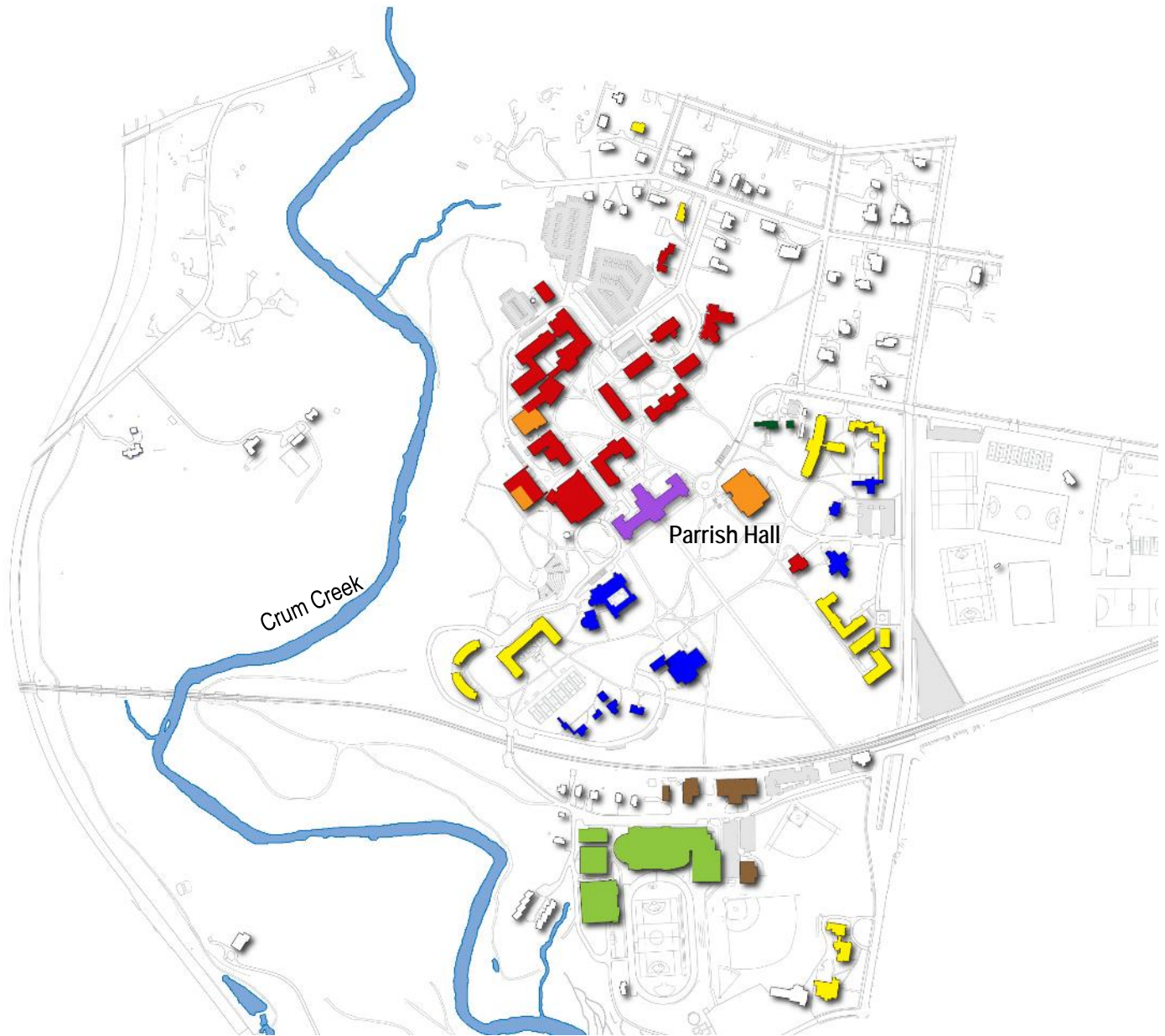


# Campus Analysis: Building Heights

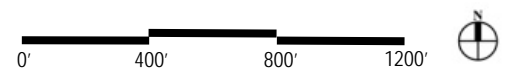
- 5-6 levels ■
- 3-4 levels ■
- 1-2 levels ■
- Others



# Campus Analysis: Building Use

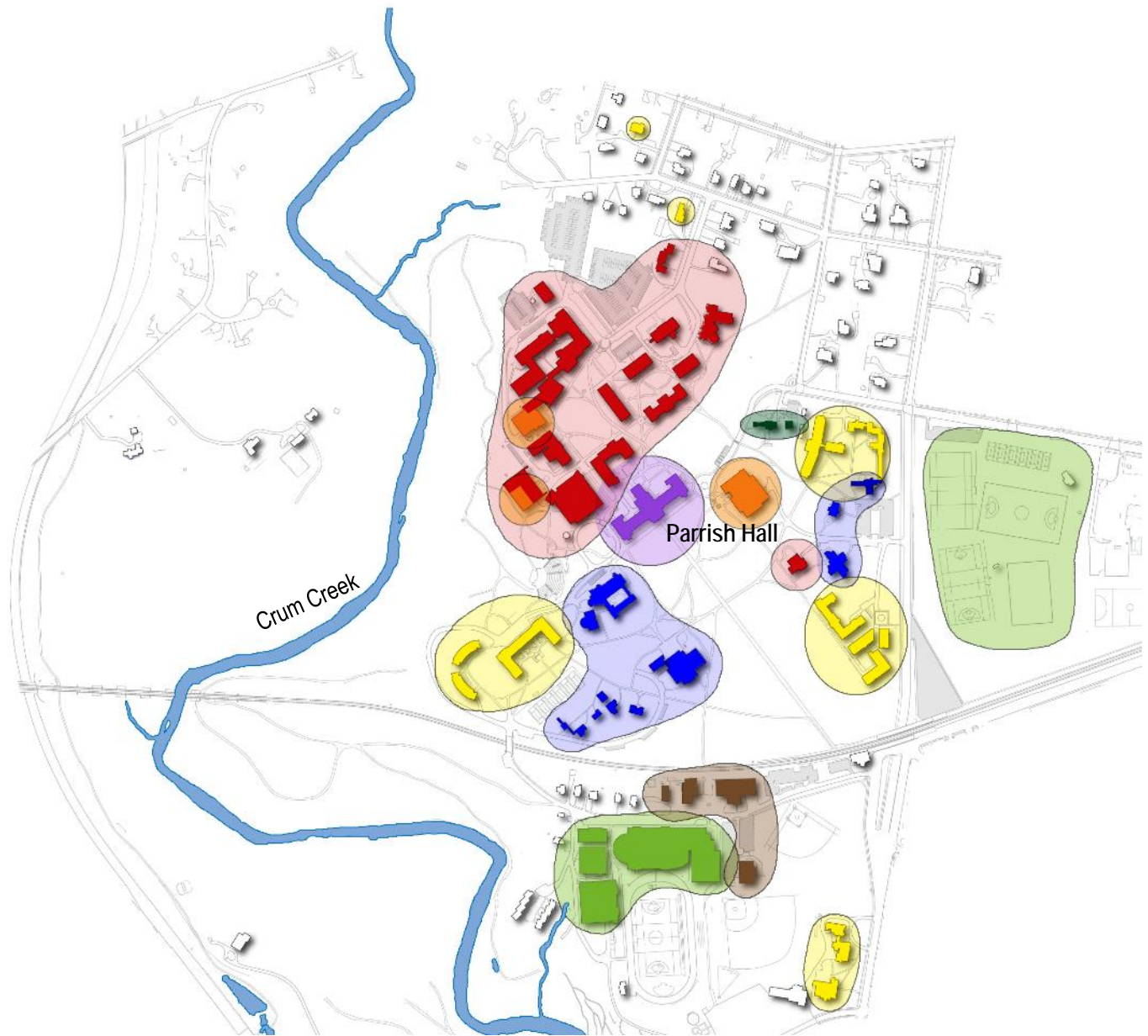










- Academic ■
- Administration and Residential ■
- Library ■
- Residential ■
- Student Support ■
- Athletics/ Recreation ■
- Facilities Management ■
- Arboretum Offices ■

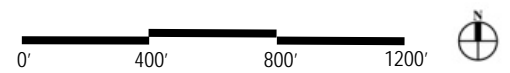




# Campus Analysis: Building Use






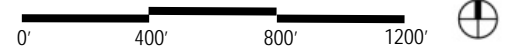
- Academic 
- Administration and Residential 
- Library 
- Residential 
- Student Support 
- Athletics/ Recreation 
- Facilities Management 
- Arboretum Offices 



# Campus Analysis: Student Spaces




- Exterior Gathering Spaces 
- Interior Gathering Spaces 
- Library Spaces 





# Campus Analysis: Pedestrian Circulation

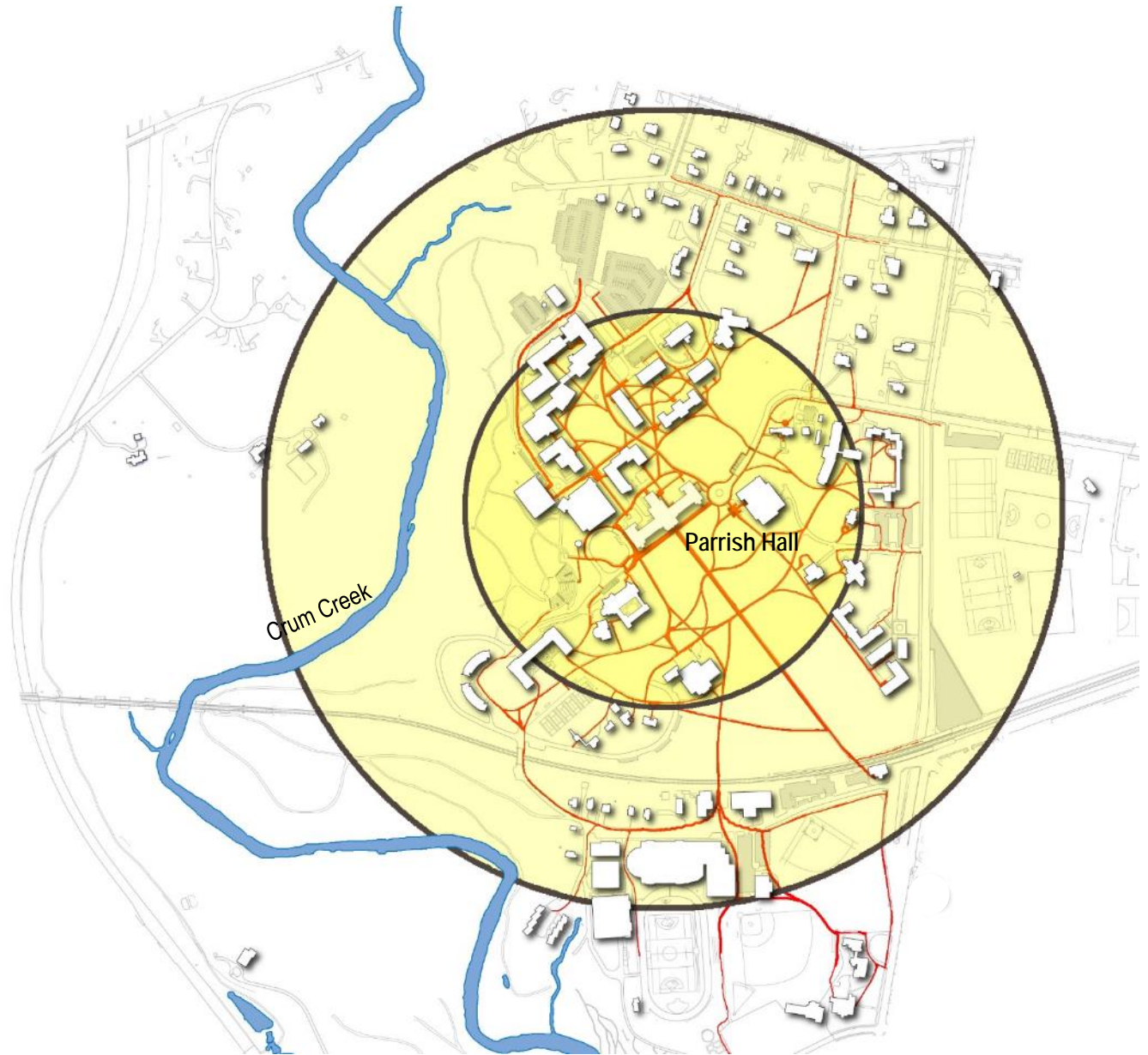


Pedestrian Path 





# Campus Analysis

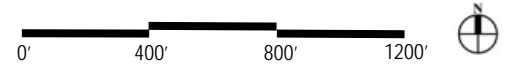
## Campus Circulation



Crum Creek

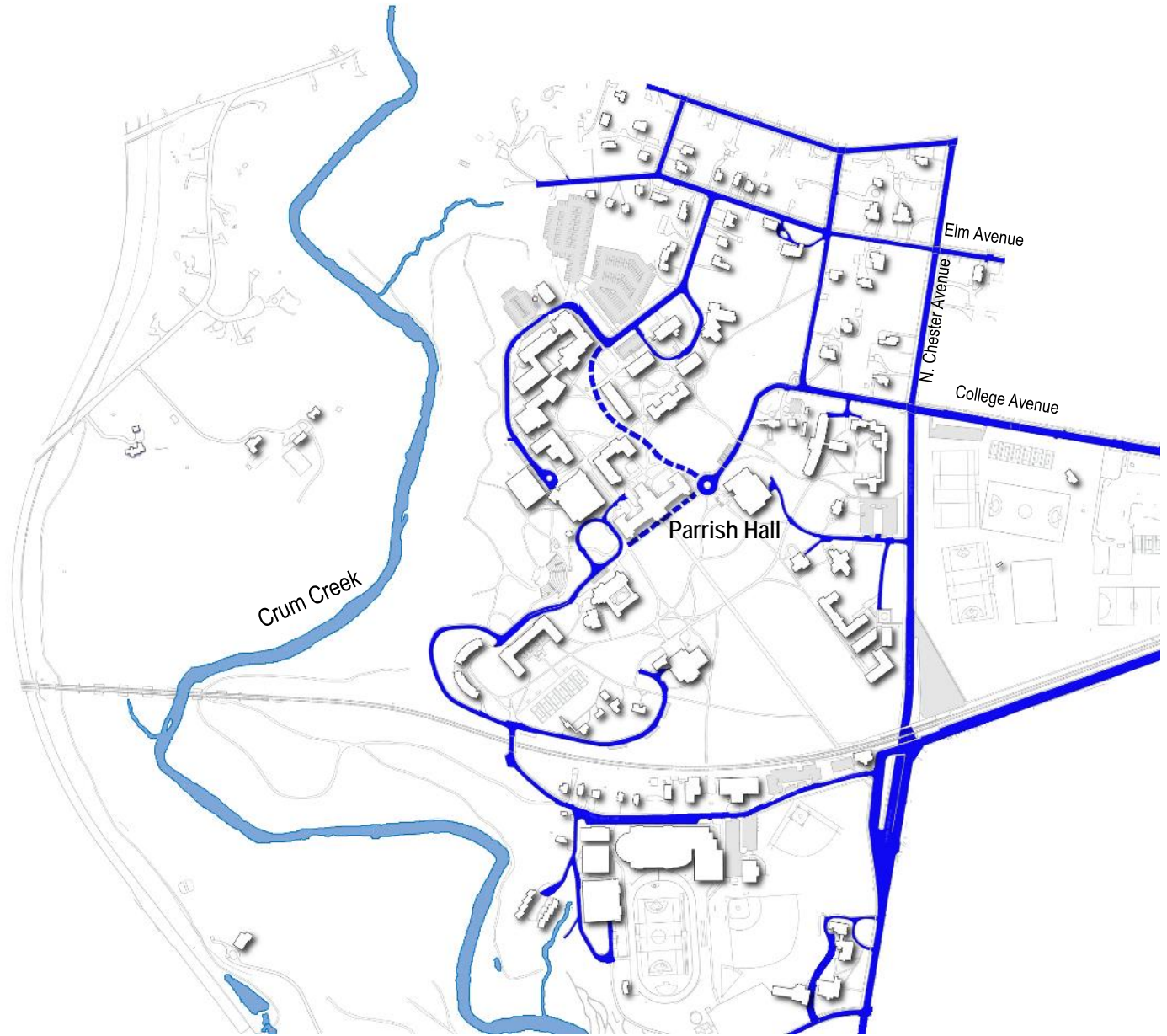
Parrish Hall

- 5-Minute Walking Radius 
- 10-Minute Walking Radius 





# Campus Analysis: Vehicular Circulation

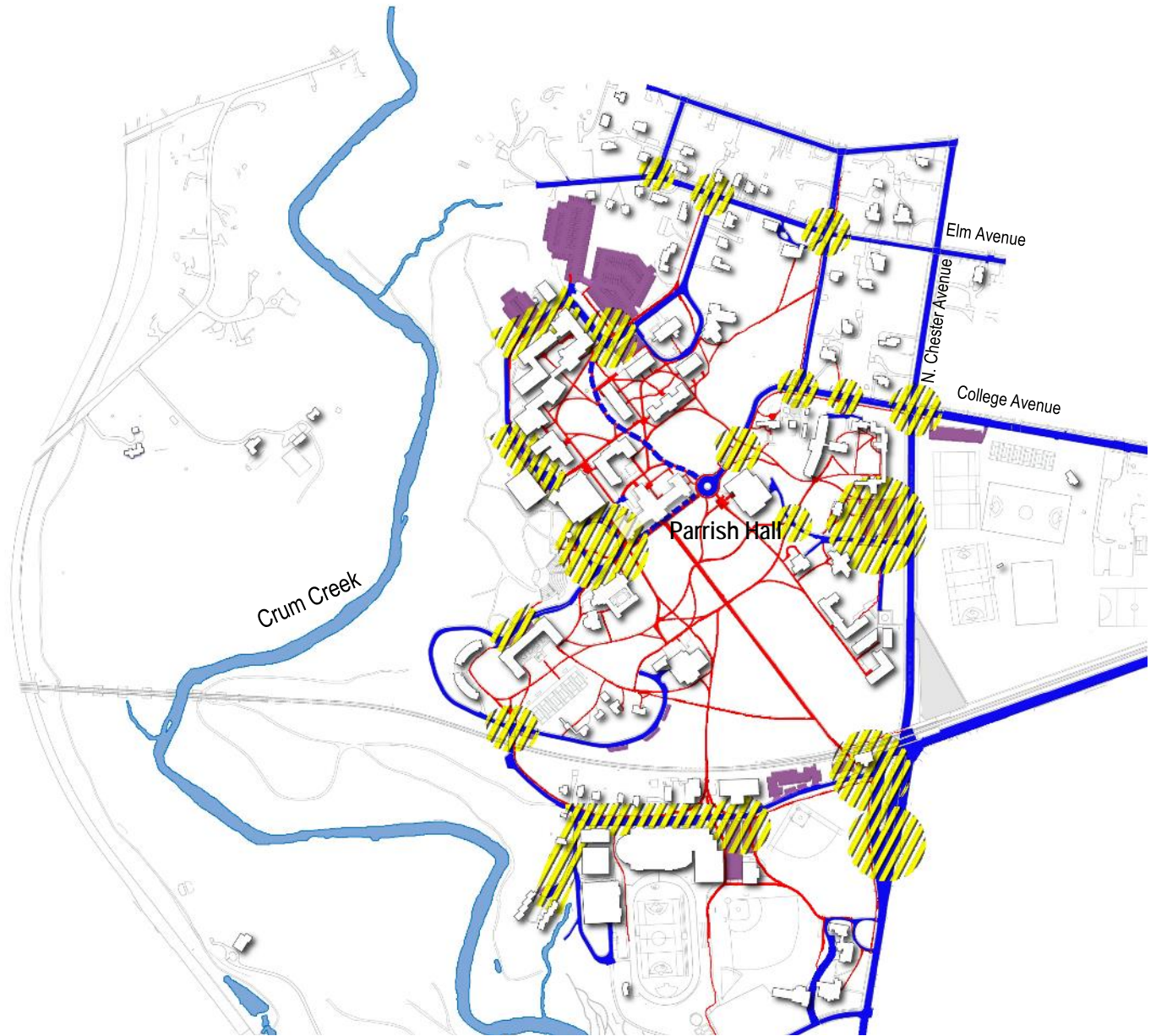


Service Access Only   
Street Network 

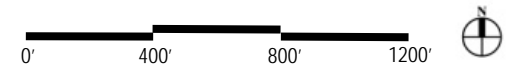
0' 400' 800' 1200'



# Campus Analysis: Circulation Conflicts






- Parking Areas 
- Conflict Zones 
- Street Network 
- Pedestrian Path 



# Campus Analysis: Public Transportation

- SEPTA Rail  
R3 regional train: Media / Elwyn Line
- SEPTA Bus  
#109
- Tri-college Shuttle  
Swarthmore College  
Bryn Mawr College  
Haverford College
- Morning Campus Shuttle  
Mary Lyon  
Strath Haven  
PPR Dormitories
- Evening Campus Shuttle
- Movie and Target Shuttle
- Chester Shuttle
- Philly Shuttle
- Airport Shuttle



- SEPTA bus 
- SEPTA rail 
- Stop 

0' 400' 800' 1200'





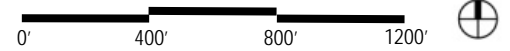
# Campus Analysis: Accessibility

- Bond Memorial Hall
- Clothier Fields
- Clothier Hall
- Hicks Hall
- Lamb-Miller Fieldhouse/Tarble Pavilion
- Lang Performing Arts Center
- McCabe Library
- Papazian Hall
- Parking Lots
  - DuPont Lot*
  - Field House Lot*
  - Hicks Lot*
  - Meeting House Circle*
  - Parrish East*
- Willets Residence Hall (Summer 2014)
- Worth Health Center

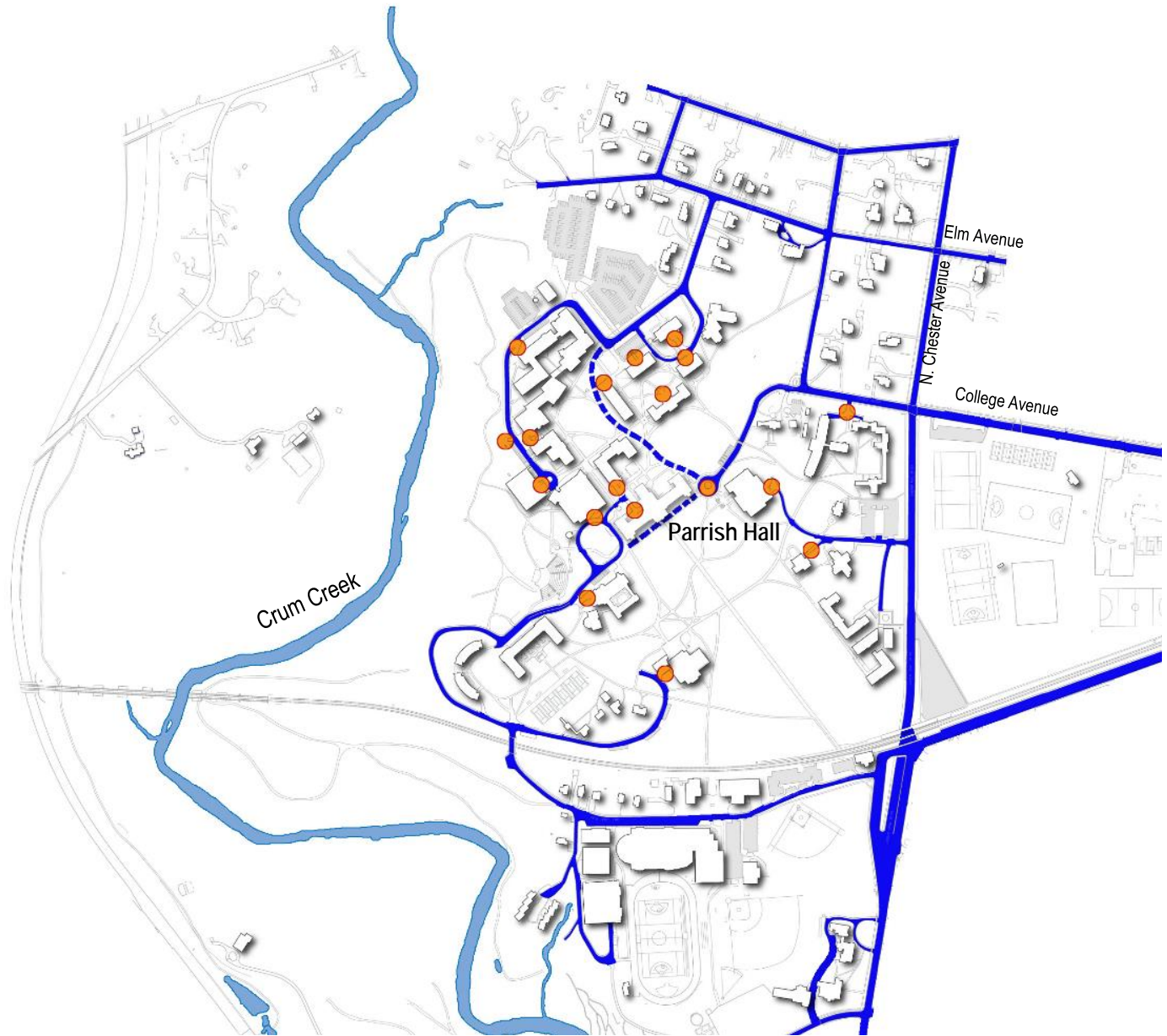
Source: Physical Access Plan






- Accessible Parking ●
- Accessible Path —
- Accessible Path under consideration - - -



# Campus Analysis: Service Access

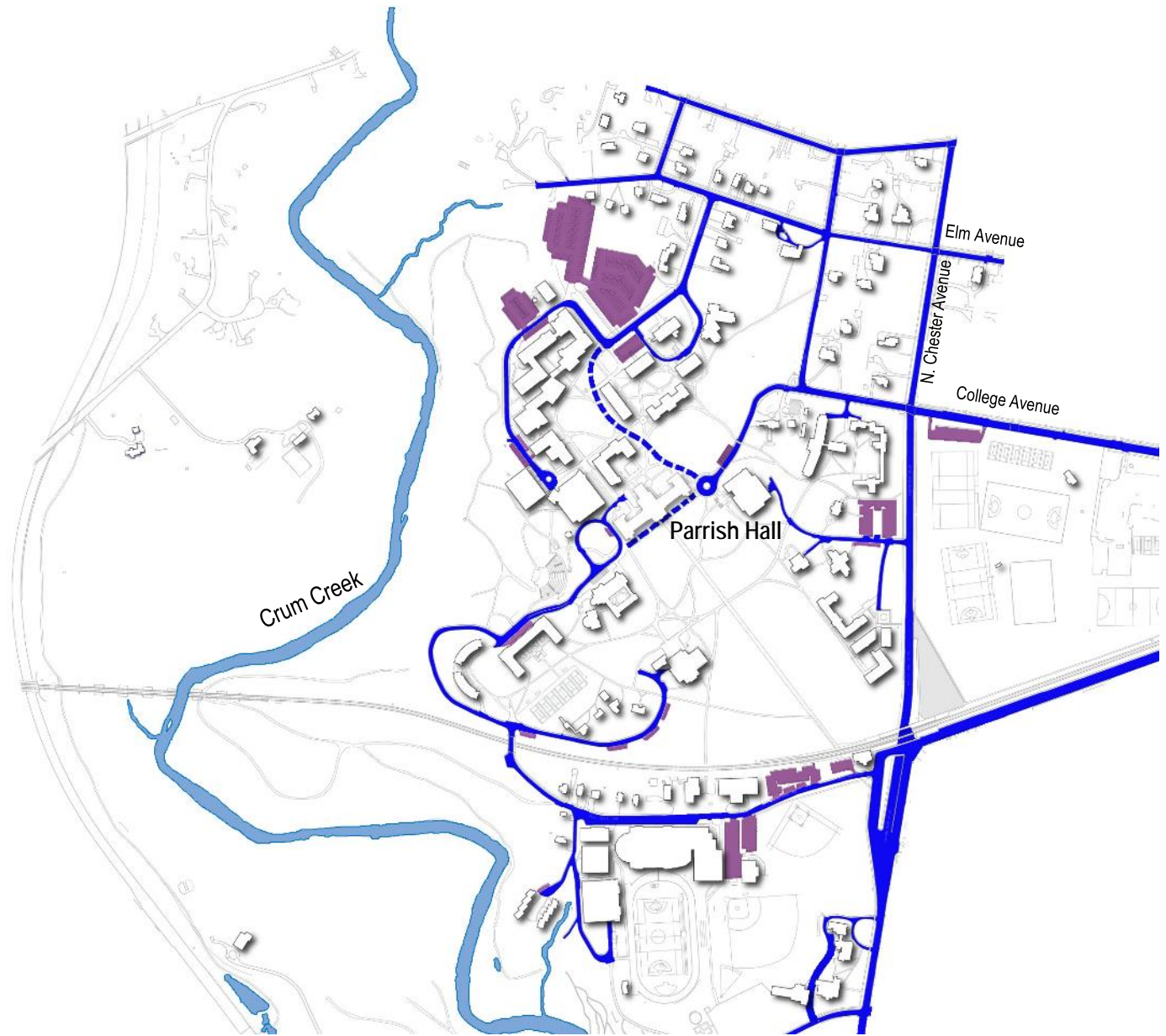


- Service Points 
- Service Access Only 
- Street Network 

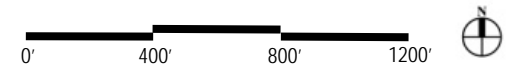
0' 400' 800' 1200'



# Campus Analysis: Parking Areas



Parking Areas 

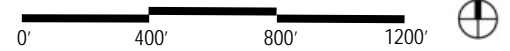




# Campus Analysis: Bike-rack locations



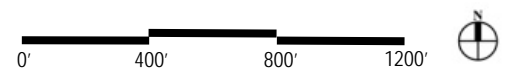
Bike-rack \*



# Campus Analysis: Open Spaces







- Gardens / Plant Collections 
- Quads / Lawns 
- Mature Tree Canopy 
- Athletics / Recreation 












# Campus Analysis: Open Spaces

- Gardens / Plant Collections 
- Quads / Lawns 
- Mature Tree Canopy 
- Athletics / Recreation 





# Campus Analysis: Crum Woods Study

- Composting Facility 
- Crum Woods 
- Vehicular Trails 
- Heavily-used Trails 
- Other Trails 
- Abandoned Trails 
- Trailheads 



Source: Conservation and Stewardship Plan for the Crum Woods of Swarthmore College  
December 2003

0' 400' 800' 1200'

