

Swarthmore



Swarthmore College
Facilities Planning Framework
March 2012

Study 1: Observations and Analysis Executive Summary

AYERS
SAINT
GROSS

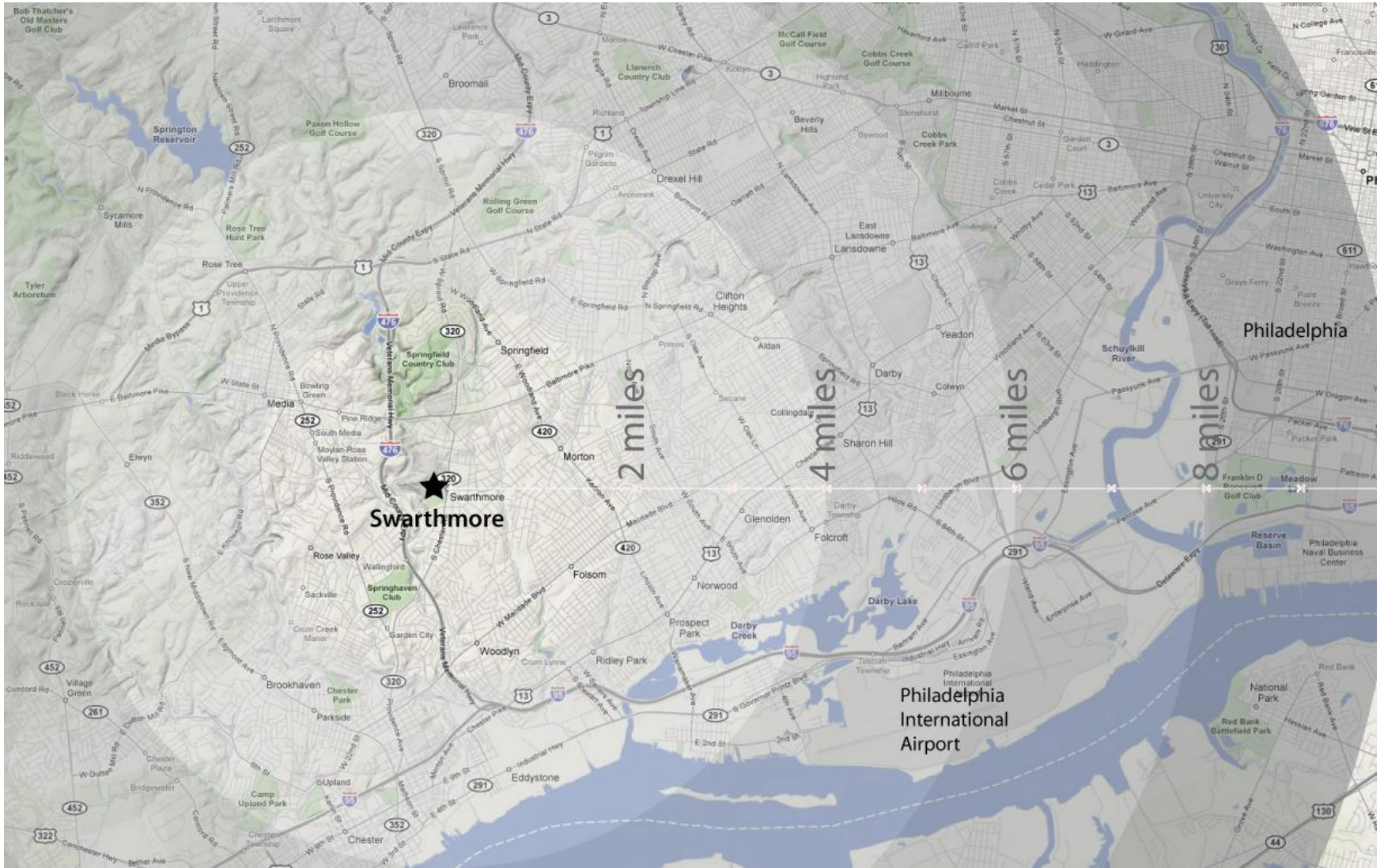
Campus Analysis: Facts and Figures

- 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

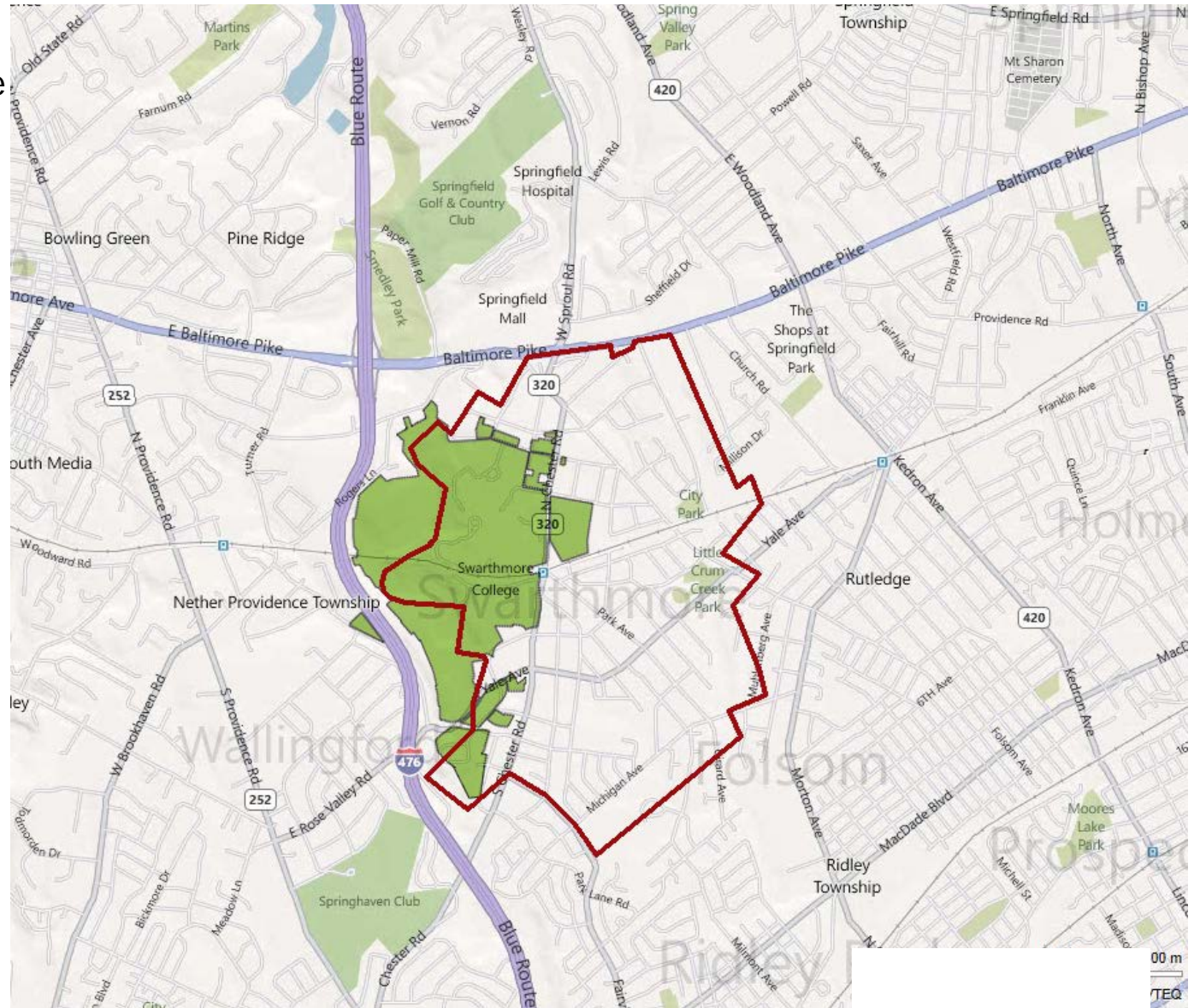
Source: Swarthmore College 2011-2012 Academic Year Institutional Analysis



Campus Analysis: Regional Context



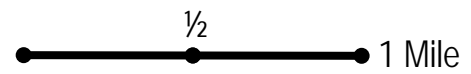
Campus Analysis: Borough of Swarthmore



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



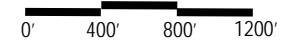
EDGE: SEPTA Line



EDGE: Crum Woods



EDGE: Adjacent streets



Campus Analysis: Centers and Edges



CENTER: Parrish Hall



CENTER: Parrish Lawn



EDGE: SEPTA Line



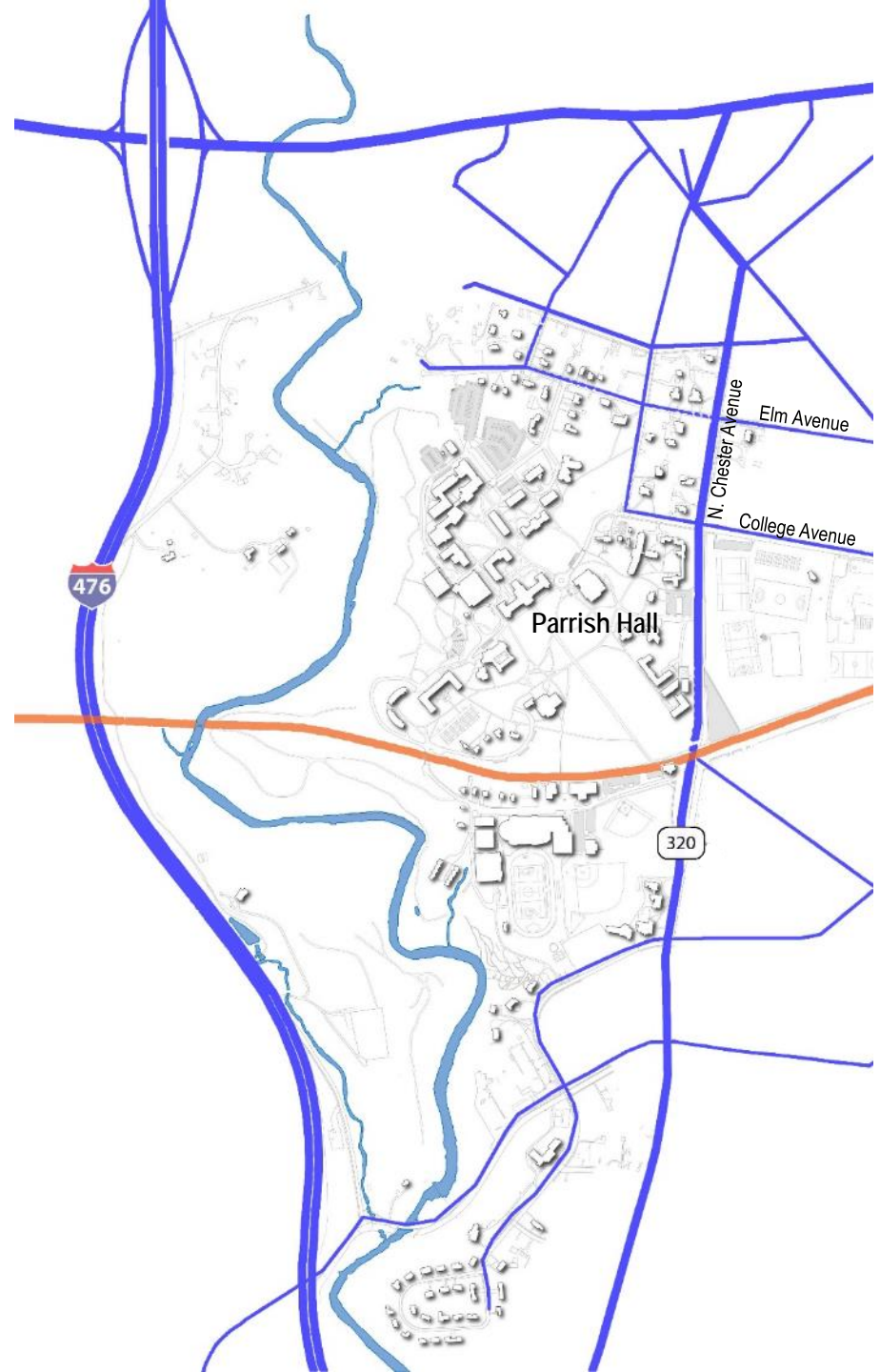
EDGE: Crum Woods





EDGE: Adjacent streets

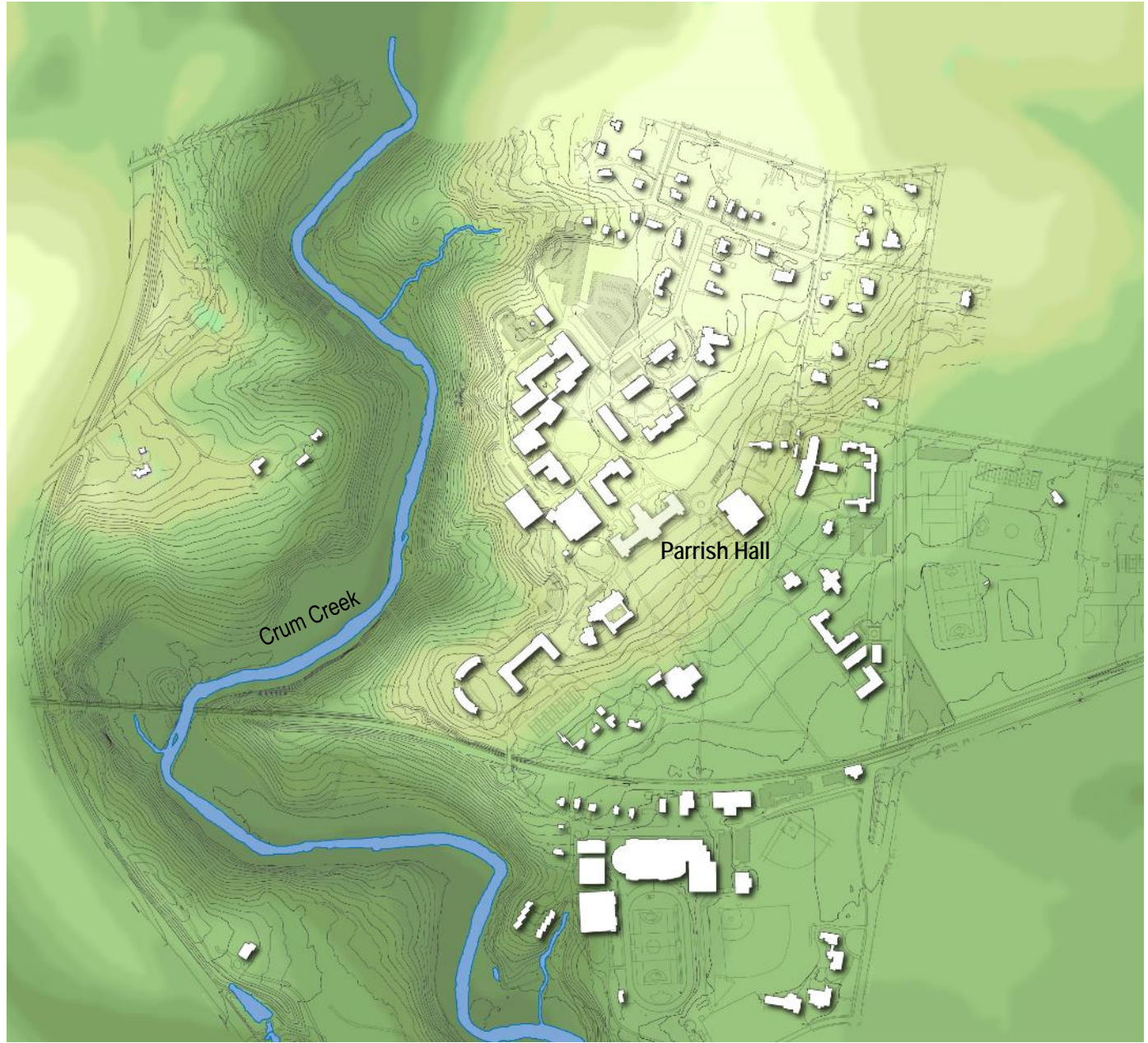




Campus Analysis: Campus Core with Regional Connections

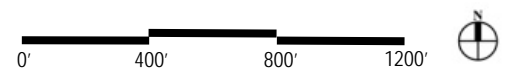


SEPTA Rail Line 
Adjacent Roadways 

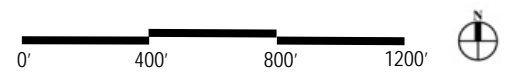
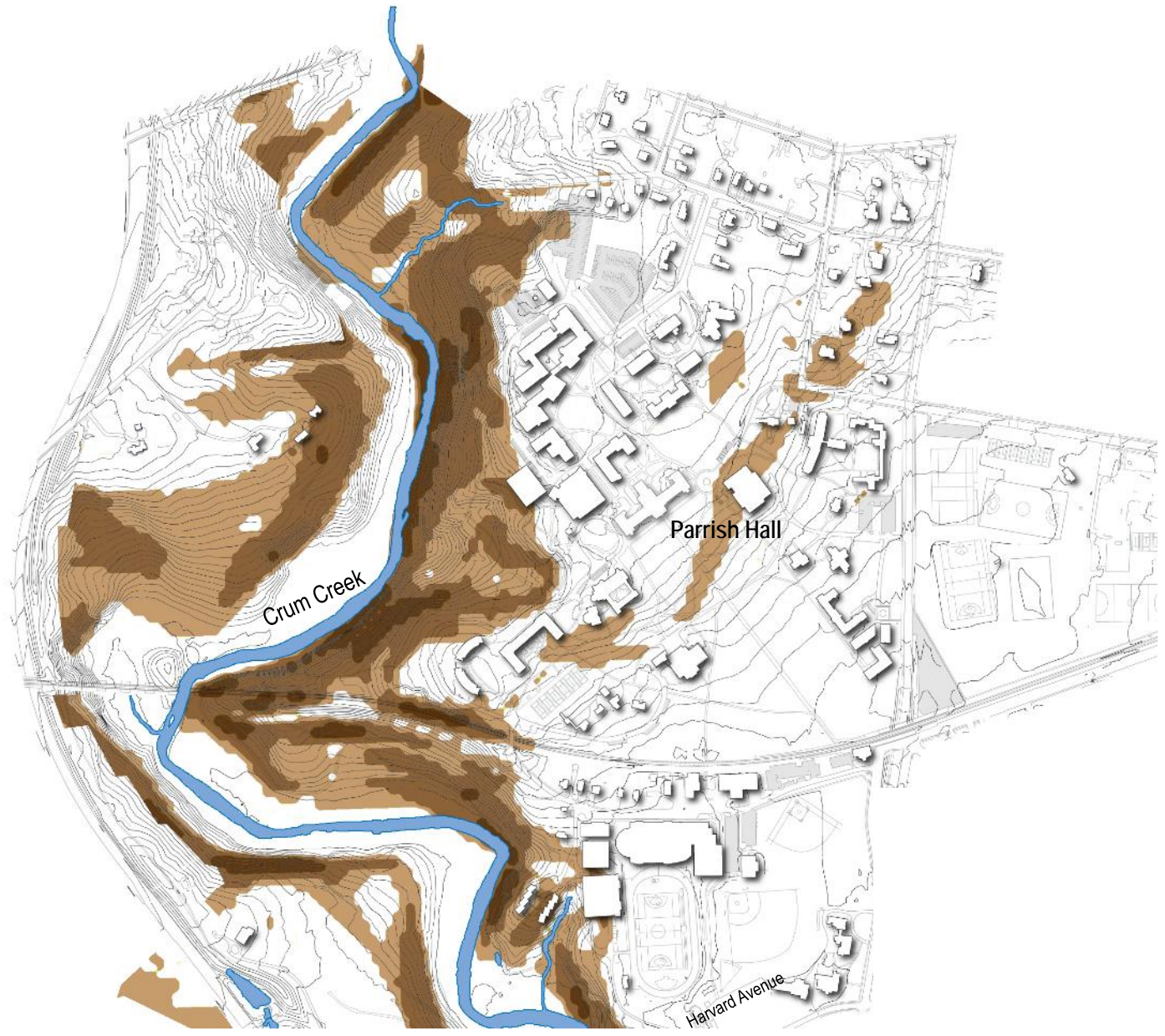
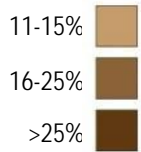
Campus Analysis: Topography within Campus Core



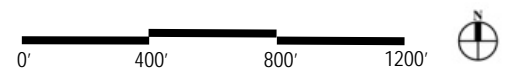
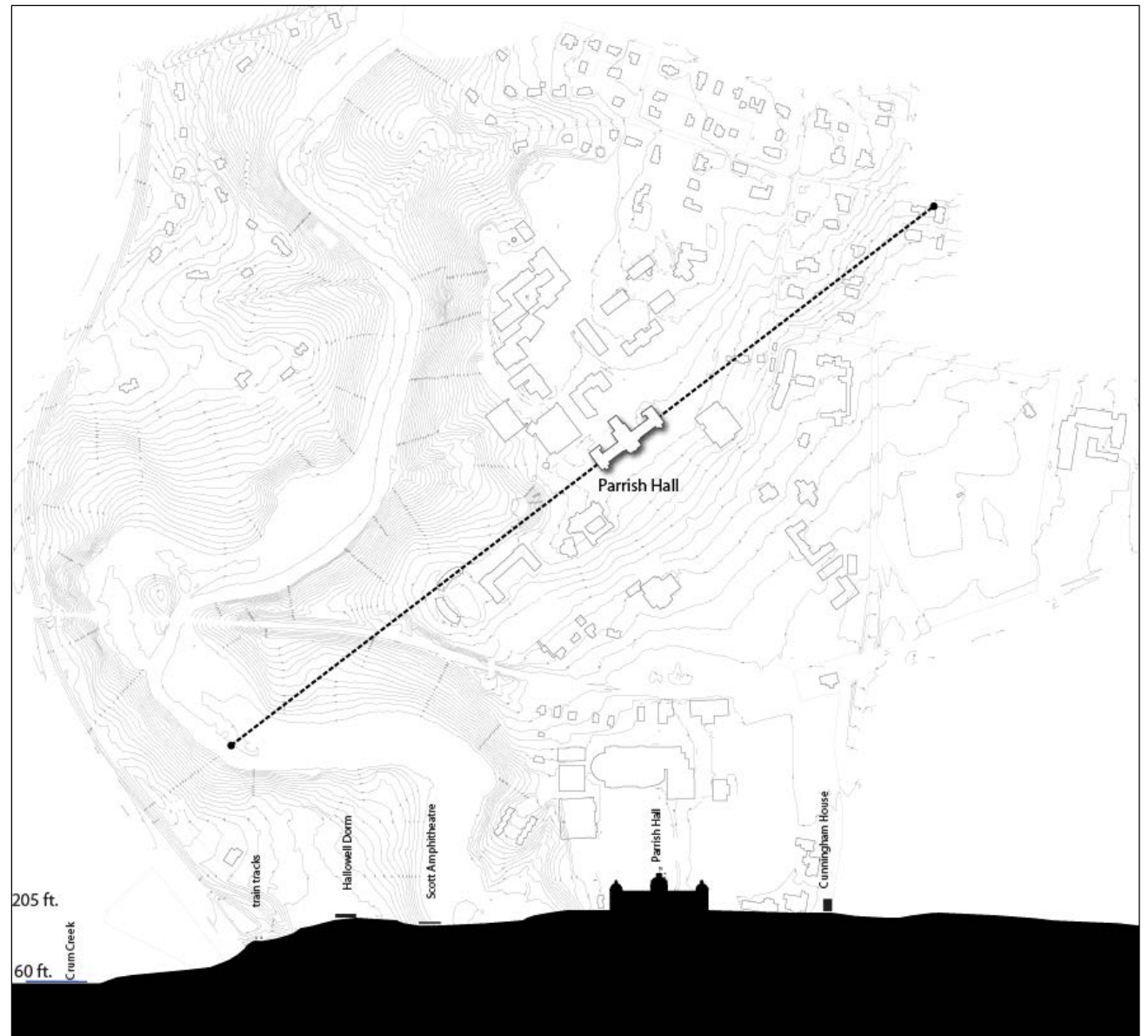
Highest Elevation 
Lowest Elevation 



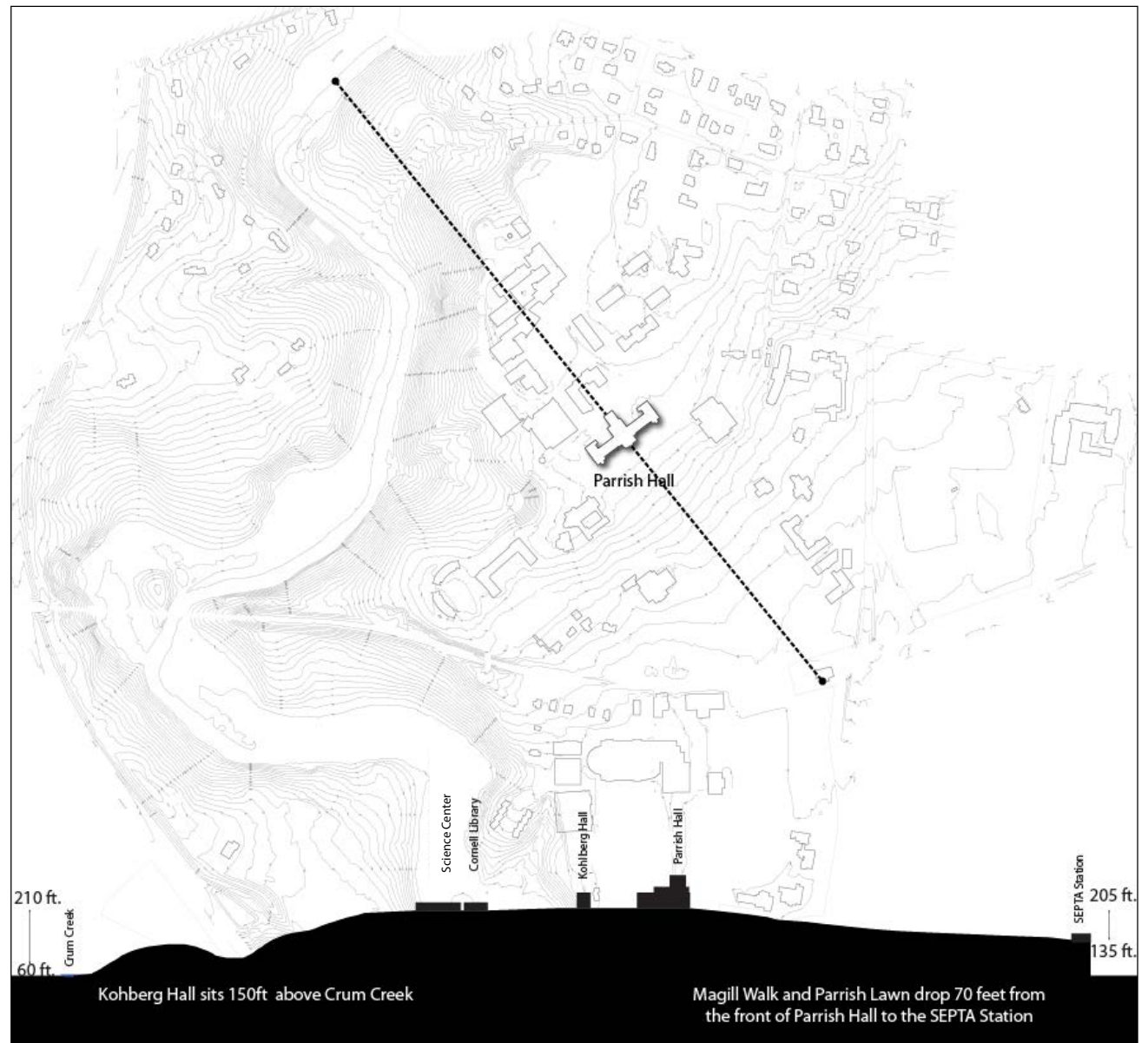
Campus Analysis: Steep Slopes



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

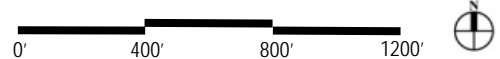
Parrish Hall

Kohberg Hall
Parrish Hall





205 ft.
135 ft. SEPTA Station

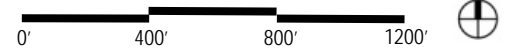
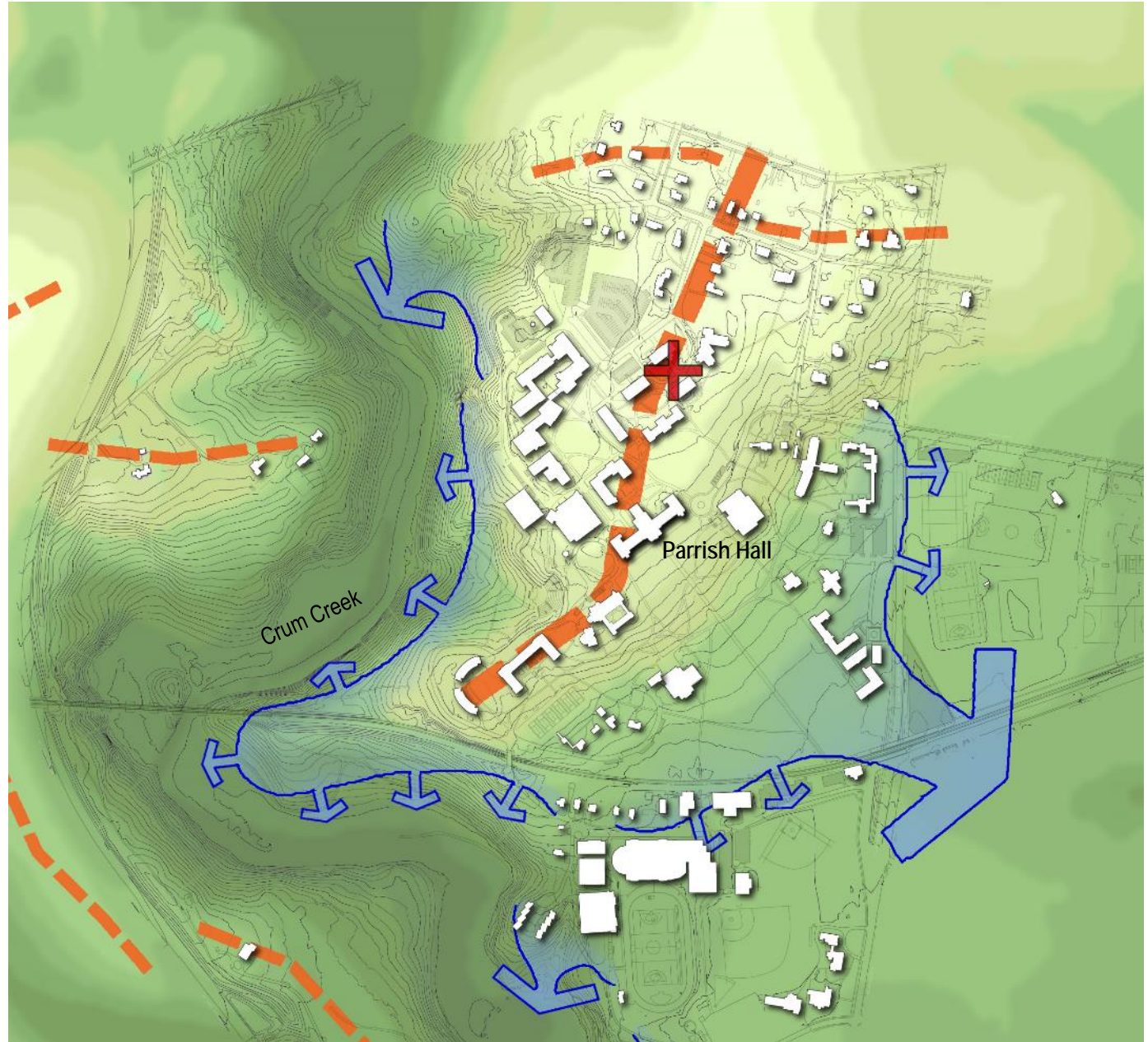
Kohberg Hall sits 150ft above Crum Creek

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



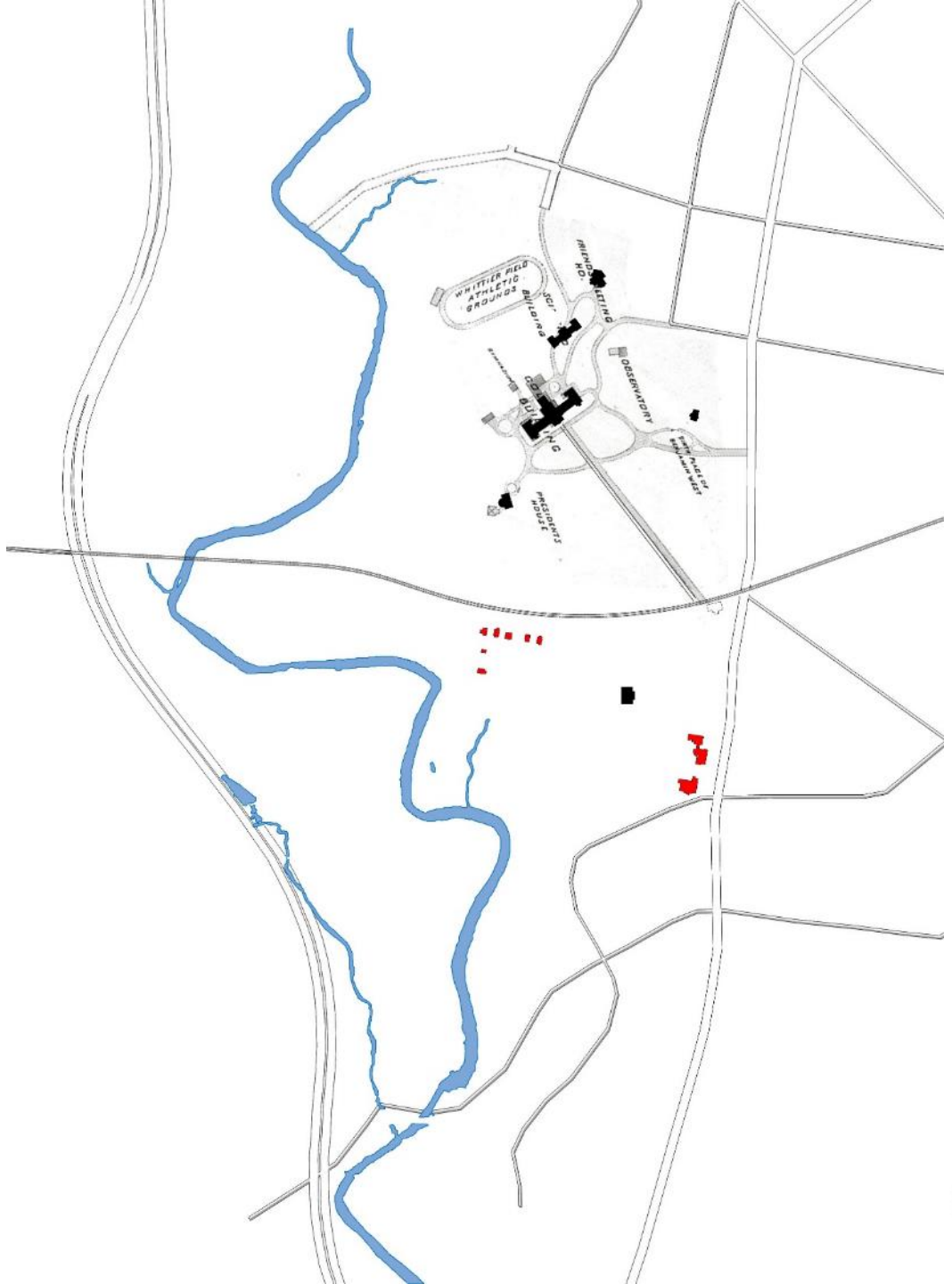
Building previously
constructed



New Construction



Campus Analysis: Building History 1900



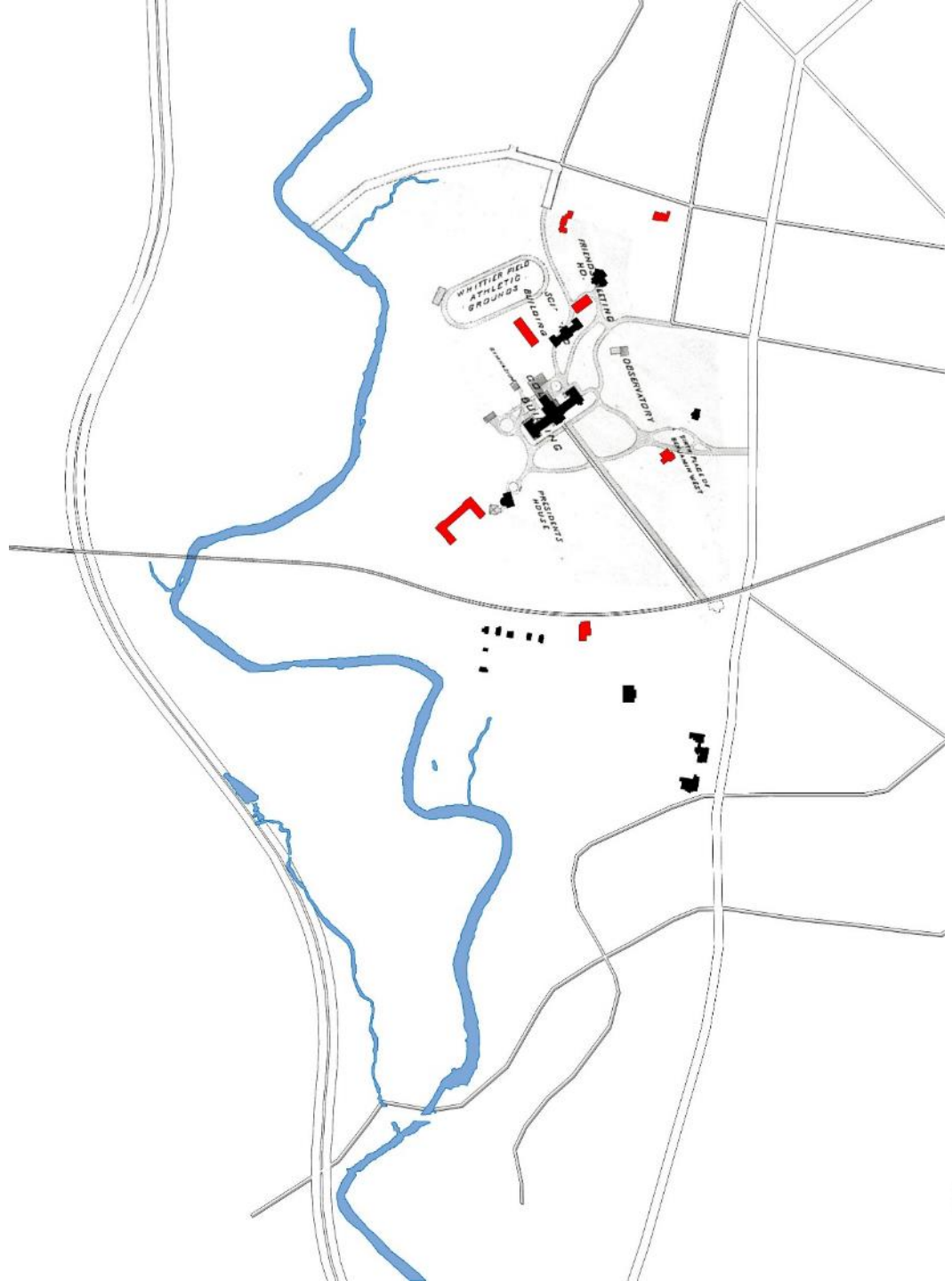
Building previously
constructed



New Construction



Campus Analysis: Building History 1920



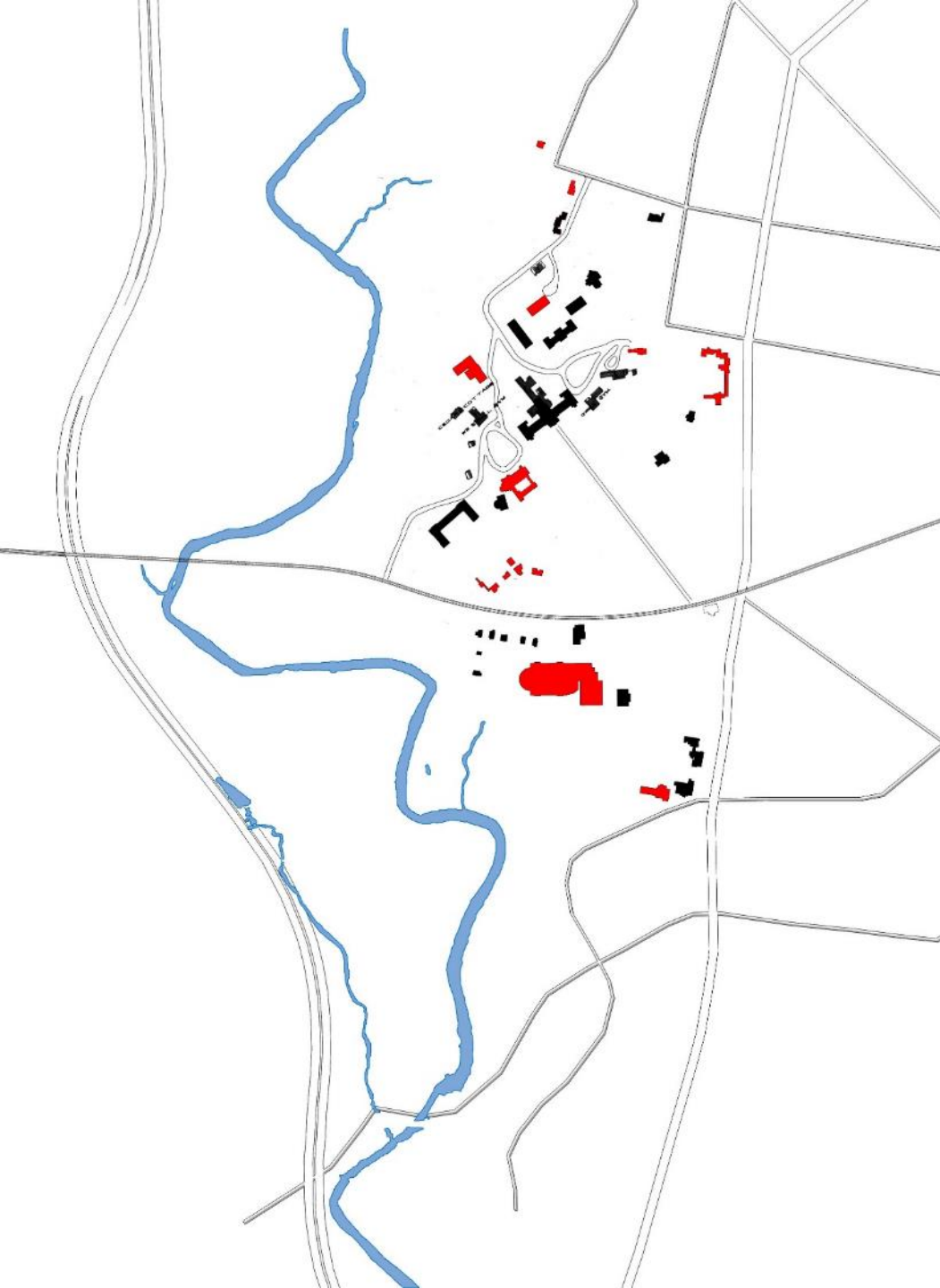
Building previously
constructed



New Construction



Campus Analysis: Building History 1940



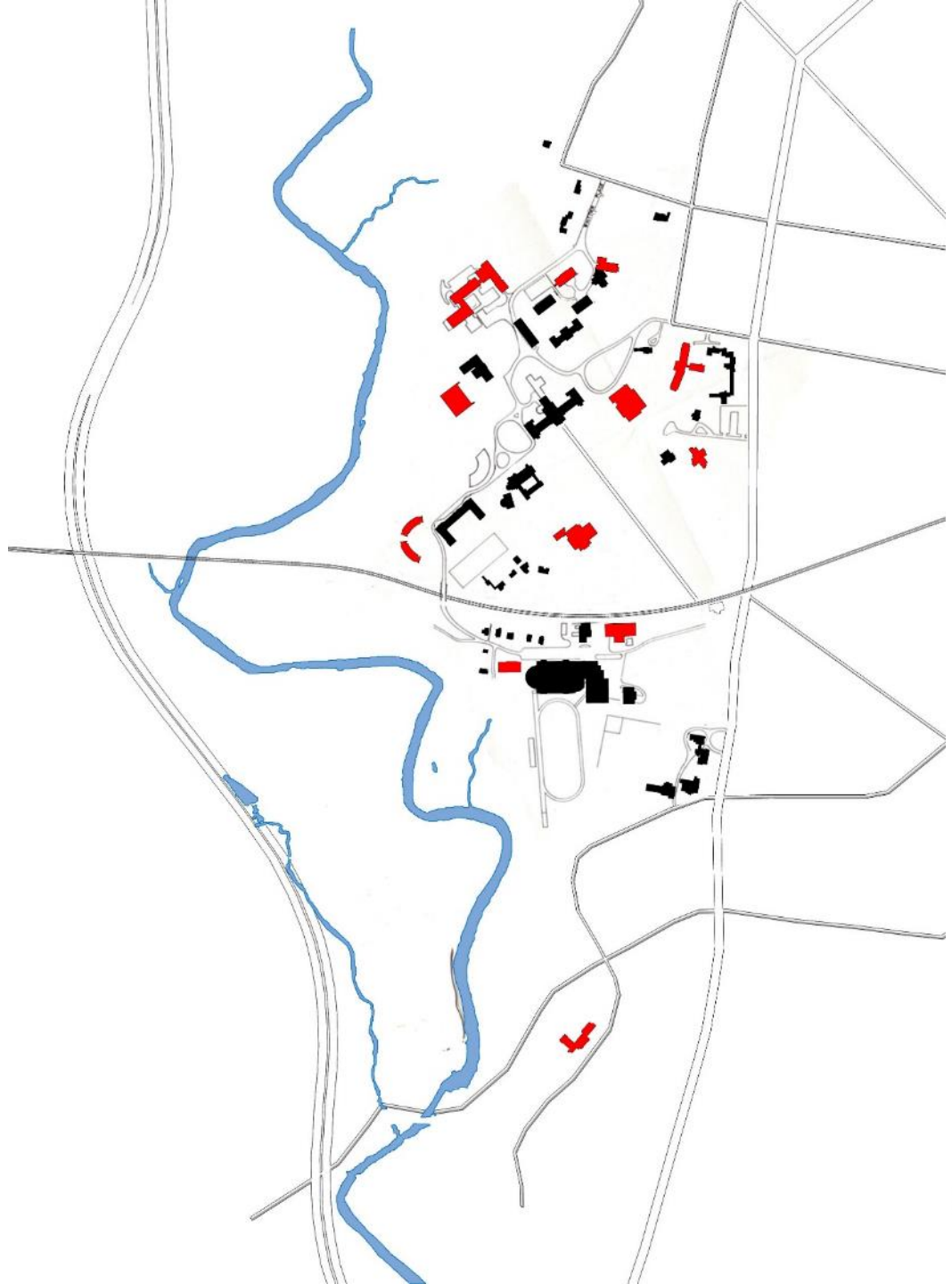
Building previously
constructed



New Construction



Campus Analysis: Building History 1980



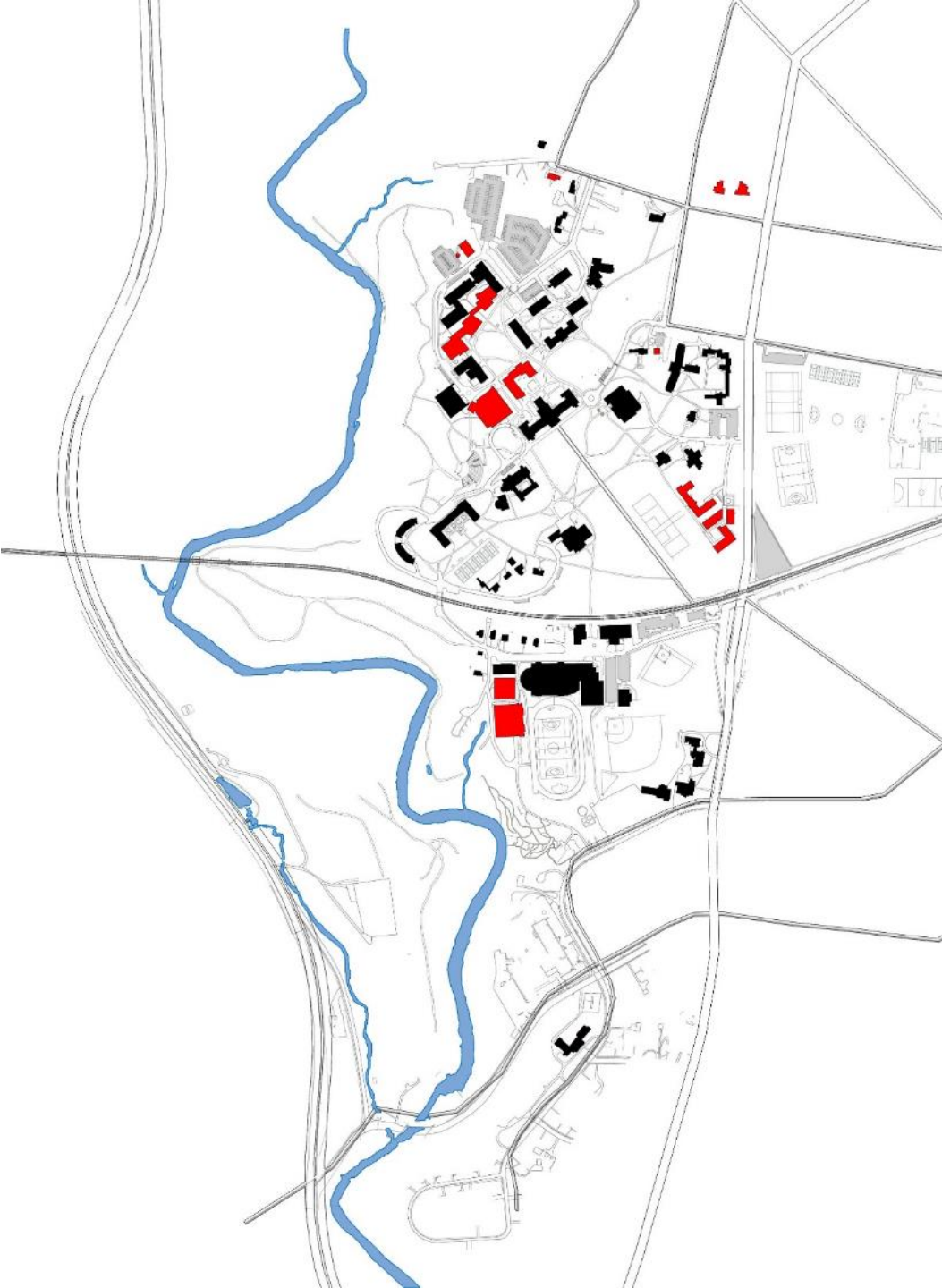
Building previously
constructed



New Construction



Campus Analysis: Building History 2010

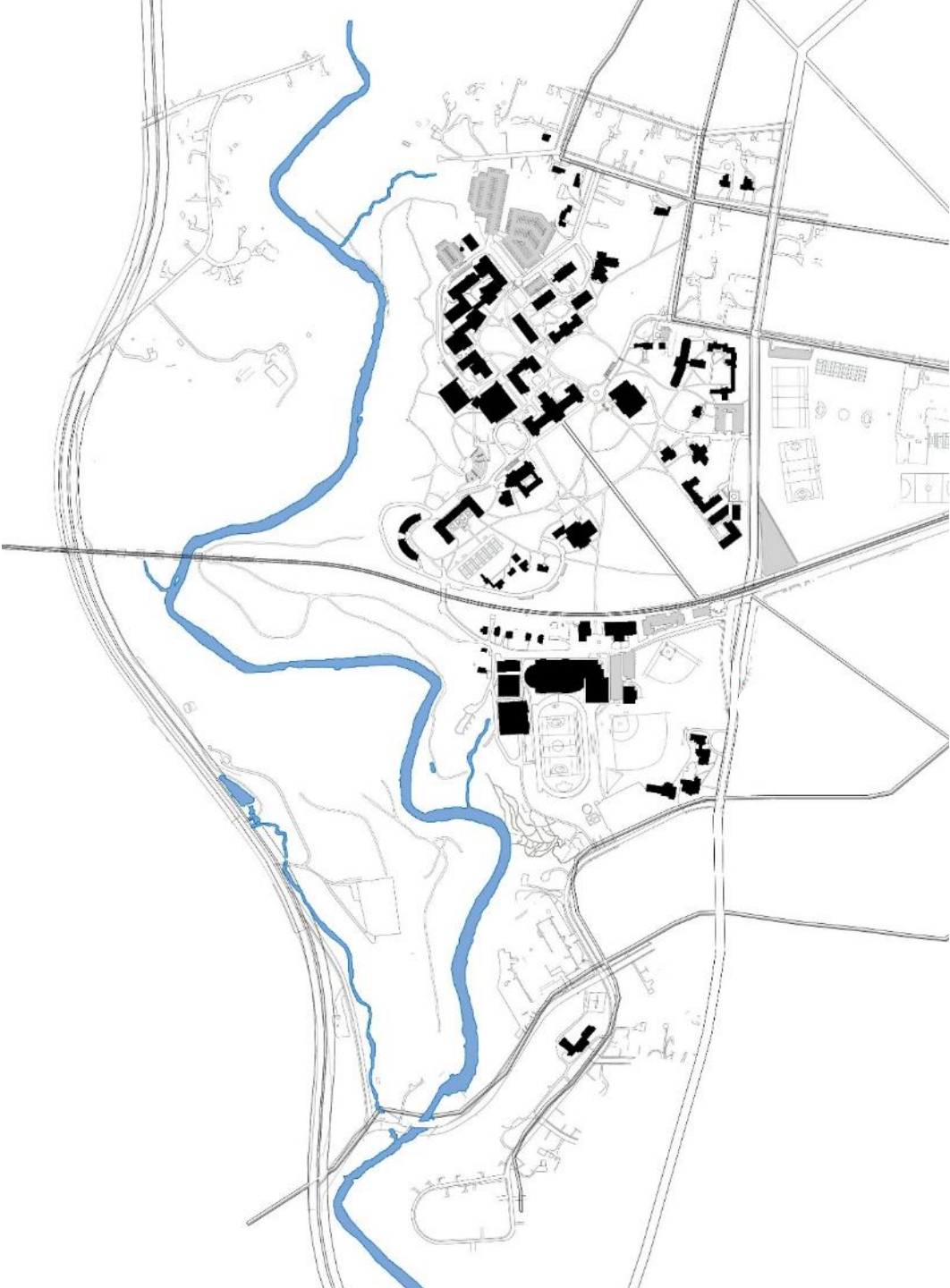


Building previously
constructed

New Construction



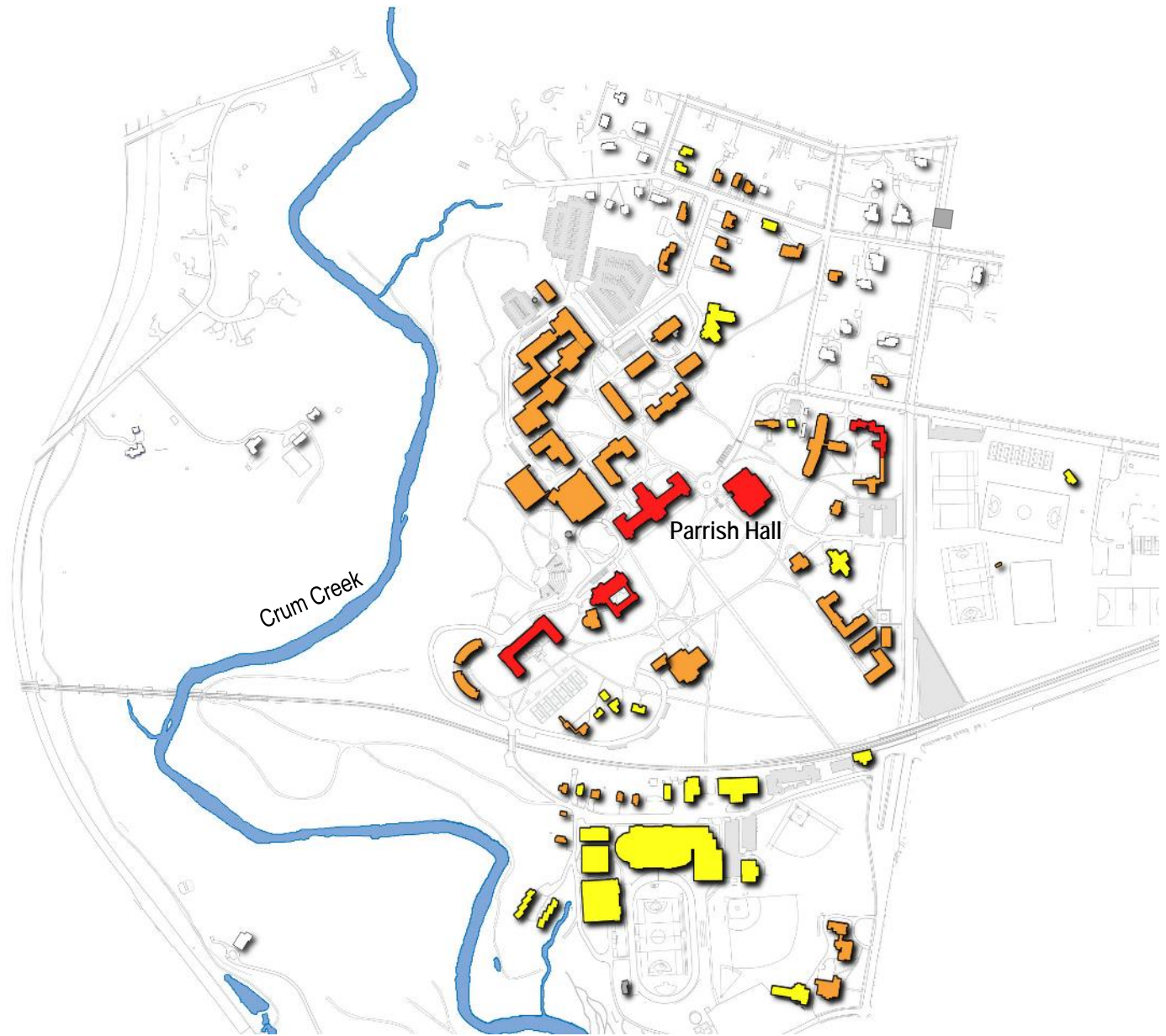
Campus Analysis: 2012 Existing Campus



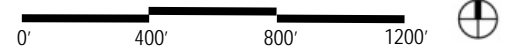
Existing Building 



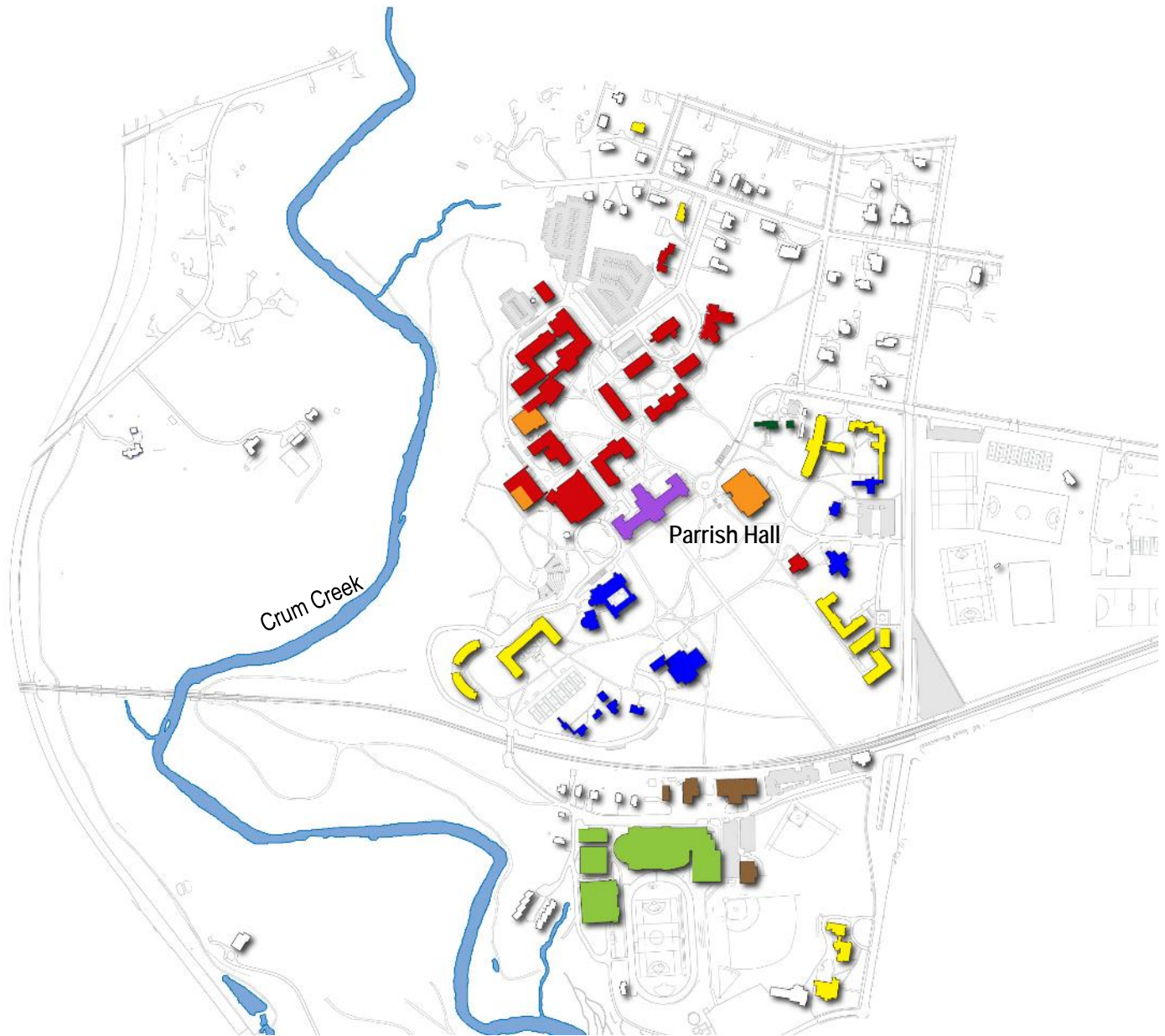
Campus Analysis: Building Heights



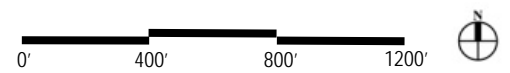
- 5-6 levels ■
- 3-4 levels ■
- 1-2 levels ■
- Others



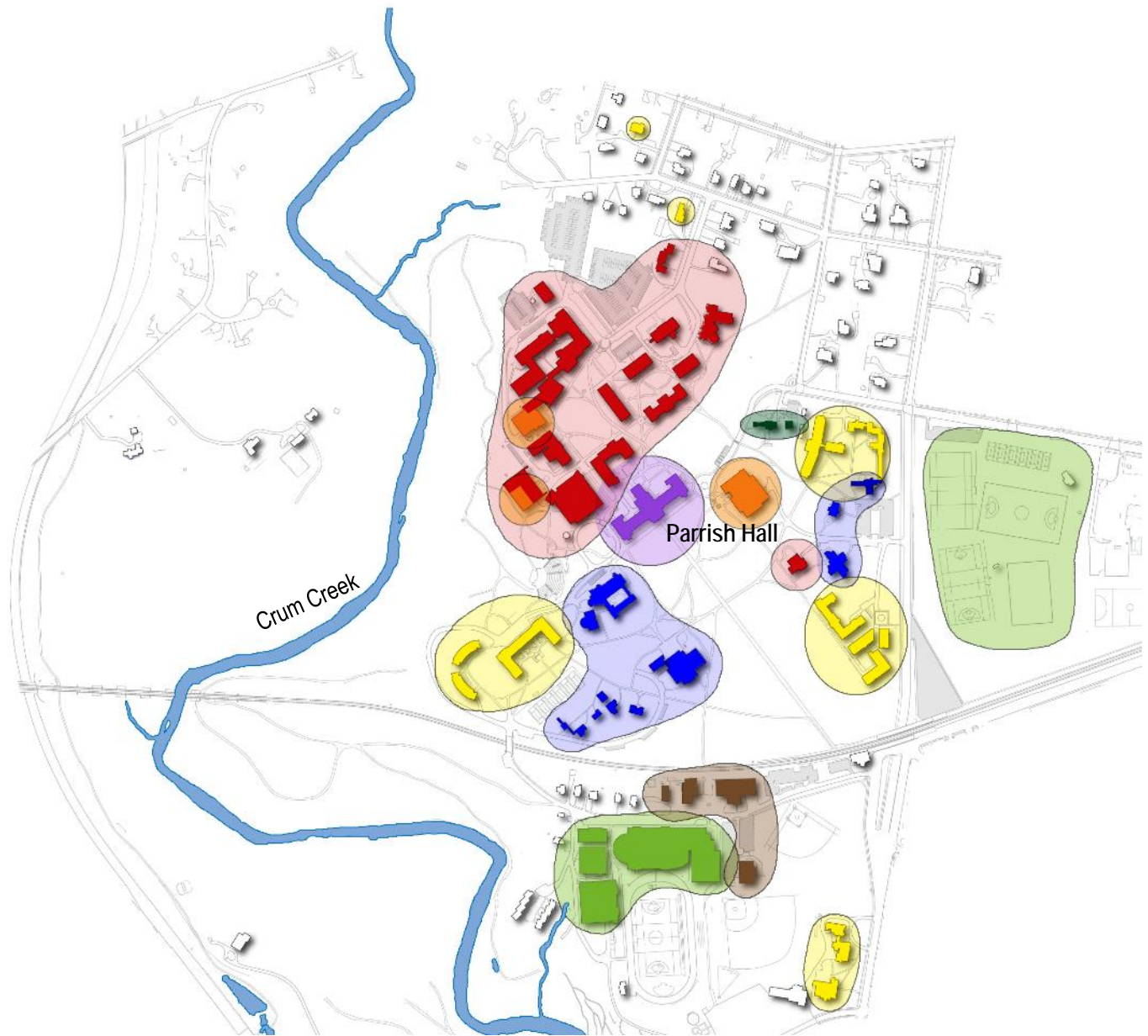
Campus Analysis: Building Use



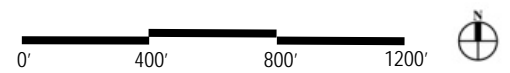
- Academic ■
- Administration and Residential ■
- Library ■
- Residential ■
- Student Support ■
- Athletics/ Recreation ■
- Facilities Management ■
- Arboretum Offices ■



Campus Analysis: Building Use






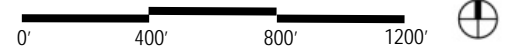
- Academic ■
- Administration and Residential ■
- Library ■
- Residential ■
- Student Support ■
- Athletics/ Recreation ■
- Facilities Management ■
- Arboretum Offices ■



Campus Analysis: Student Spaces



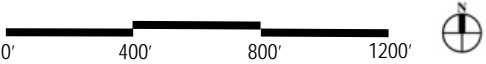
- Exterior Gathering Spaces 
- Interior Gathering Spaces 
- Library Spaces 



Campus Analysis: Pedestrian Circulation

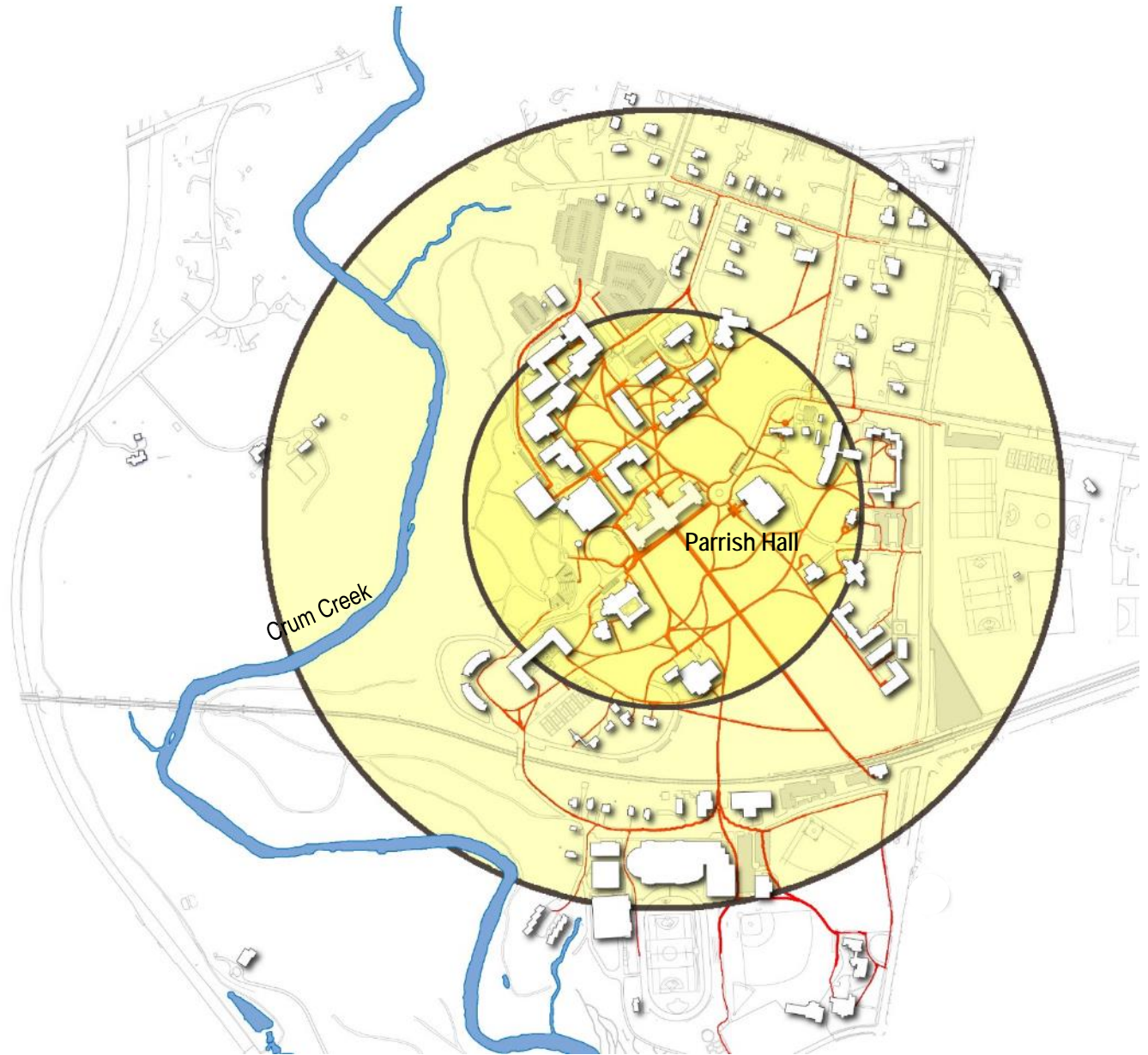


Pedestrian Path 





Campus Analysis

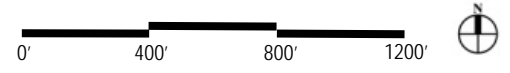
Campus Circulation



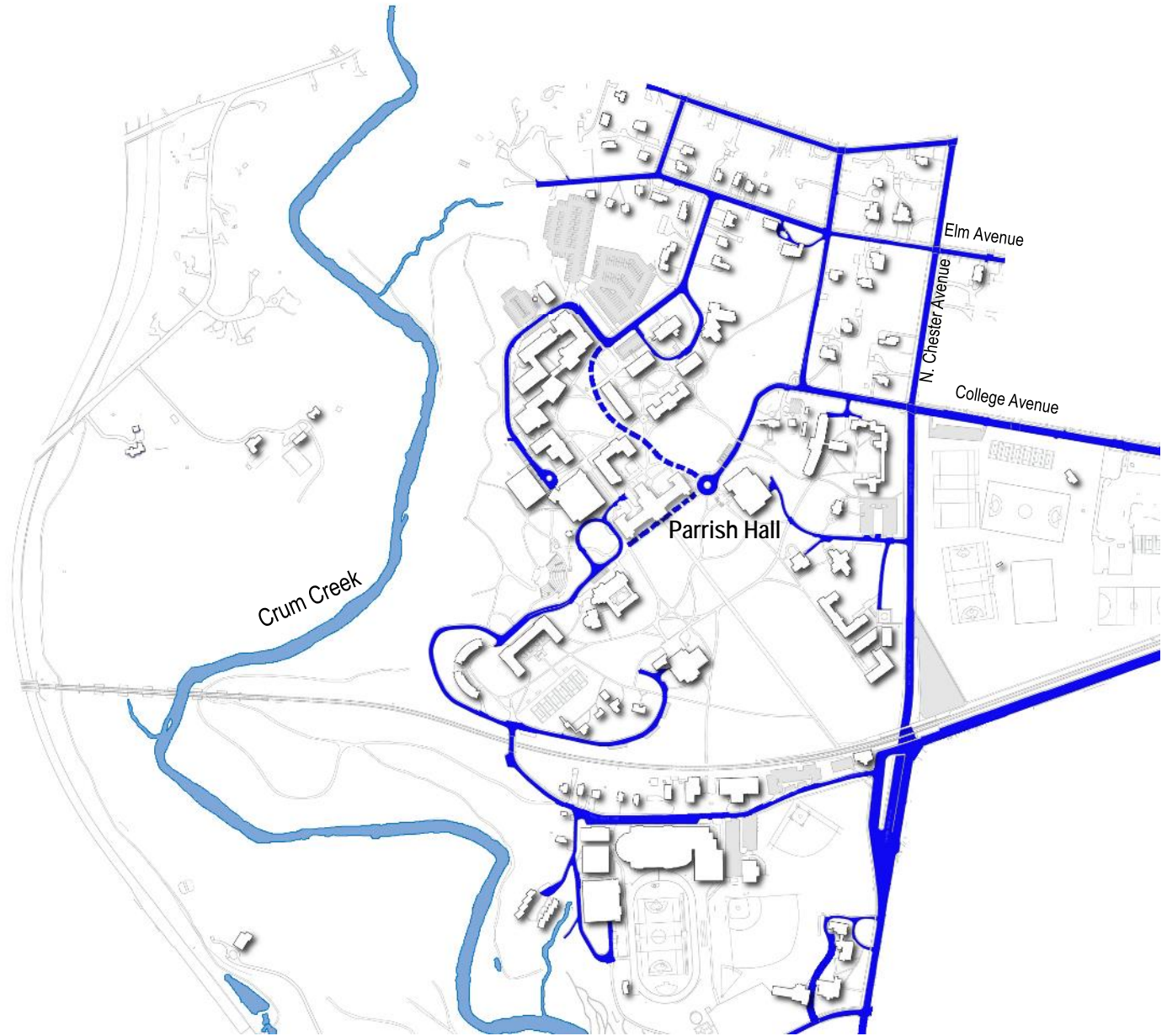
Crum Creek

Parrish Hall

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



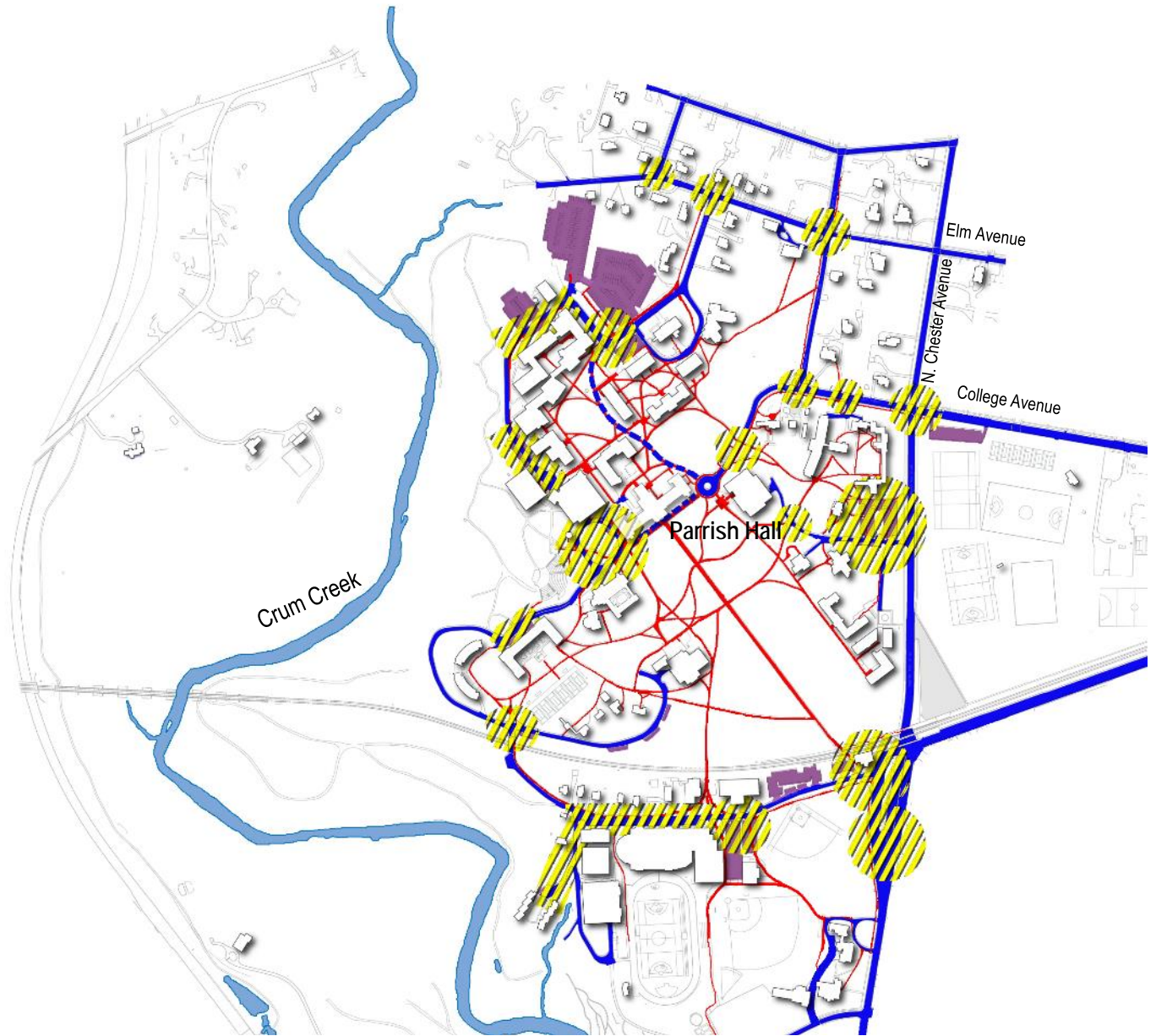
Campus Analysis: Vehicular Circulation



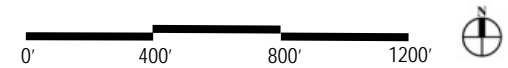
Service Access Only 
Street Network 



Campus Analysis: Circulation Conflicts

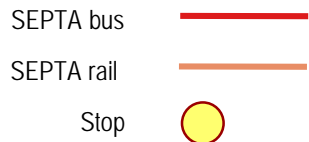


- Parking Areas 
- Conflict Zones 
- Street Network 
- Pedestrian Path 



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

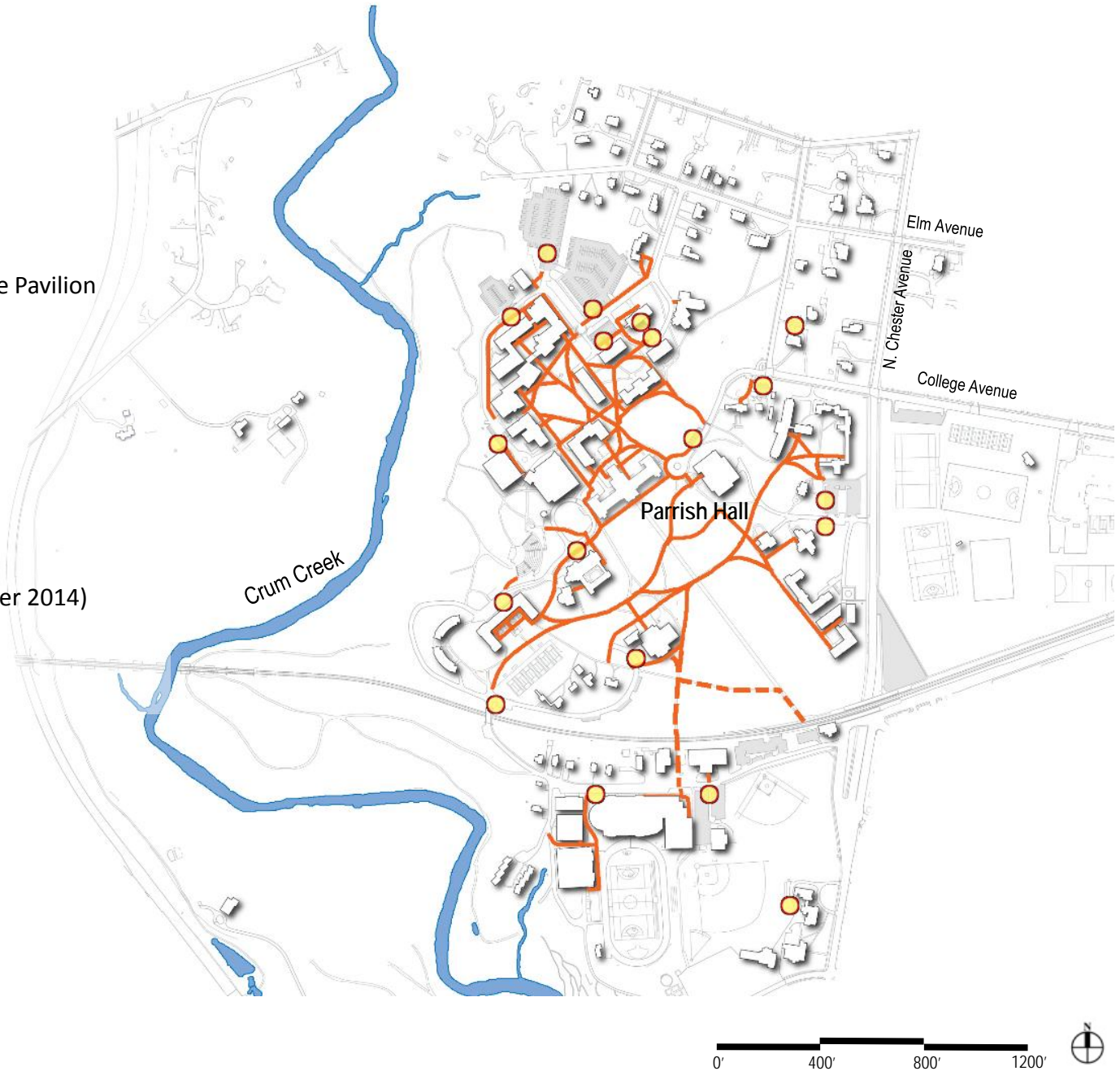


Campus Analysis: Accessibility

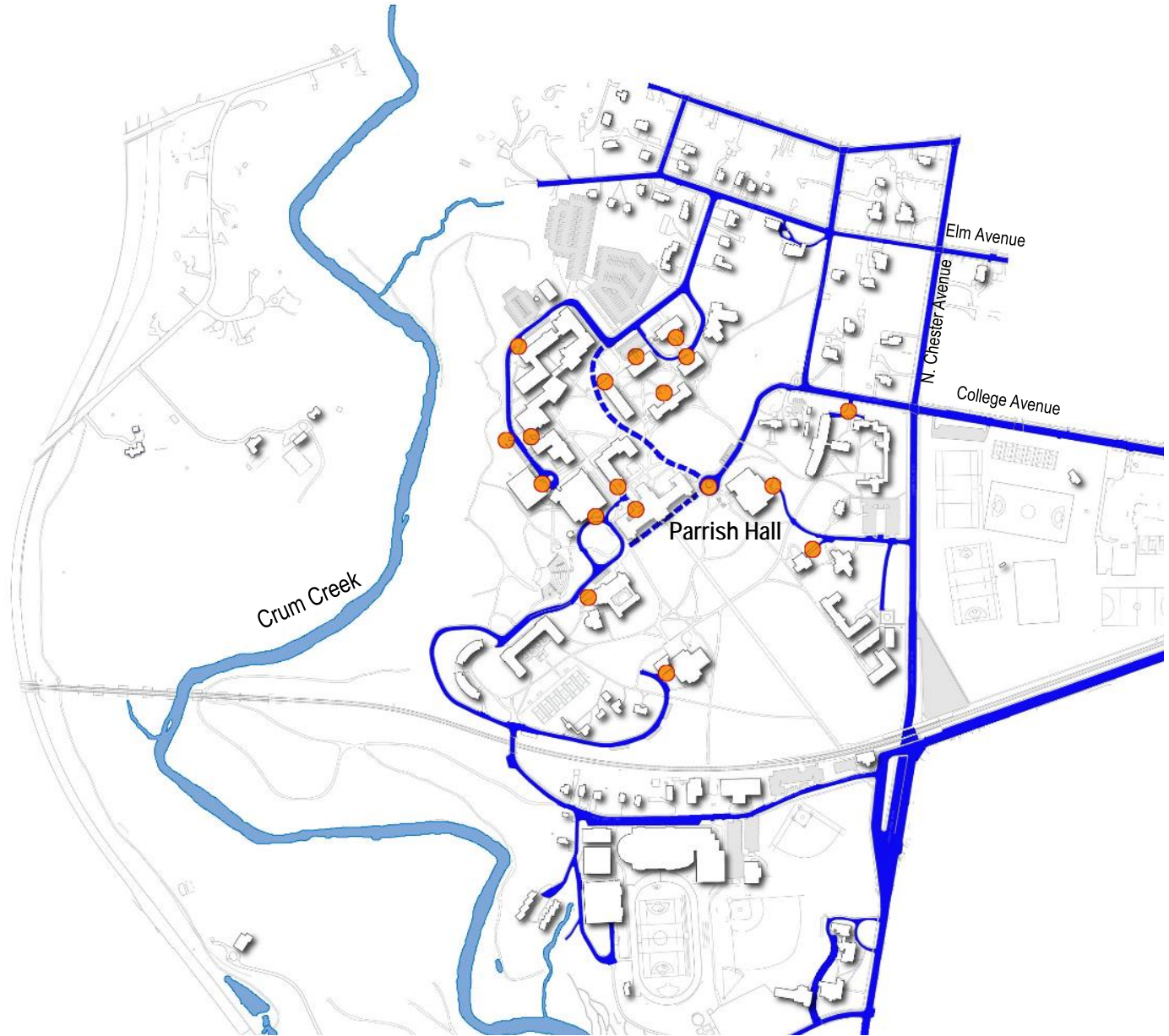
- Bond Memorial Hall
- Clothier Fields
- Clothier Hall
- Hicks Hall
- Lamb-Miller Fieldhouse/Tarble Pavilion
- Lang Performing Arts Center
- McCabe Library
- Papazian Hall
- Parking Lots
 - DuPont Lot
 - Field House Lot
 - Hicks Lot
 - Meeting House Circle
 - Parrish East
- Willets Residence Hall (Summer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




Source: Physical Access Plan

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



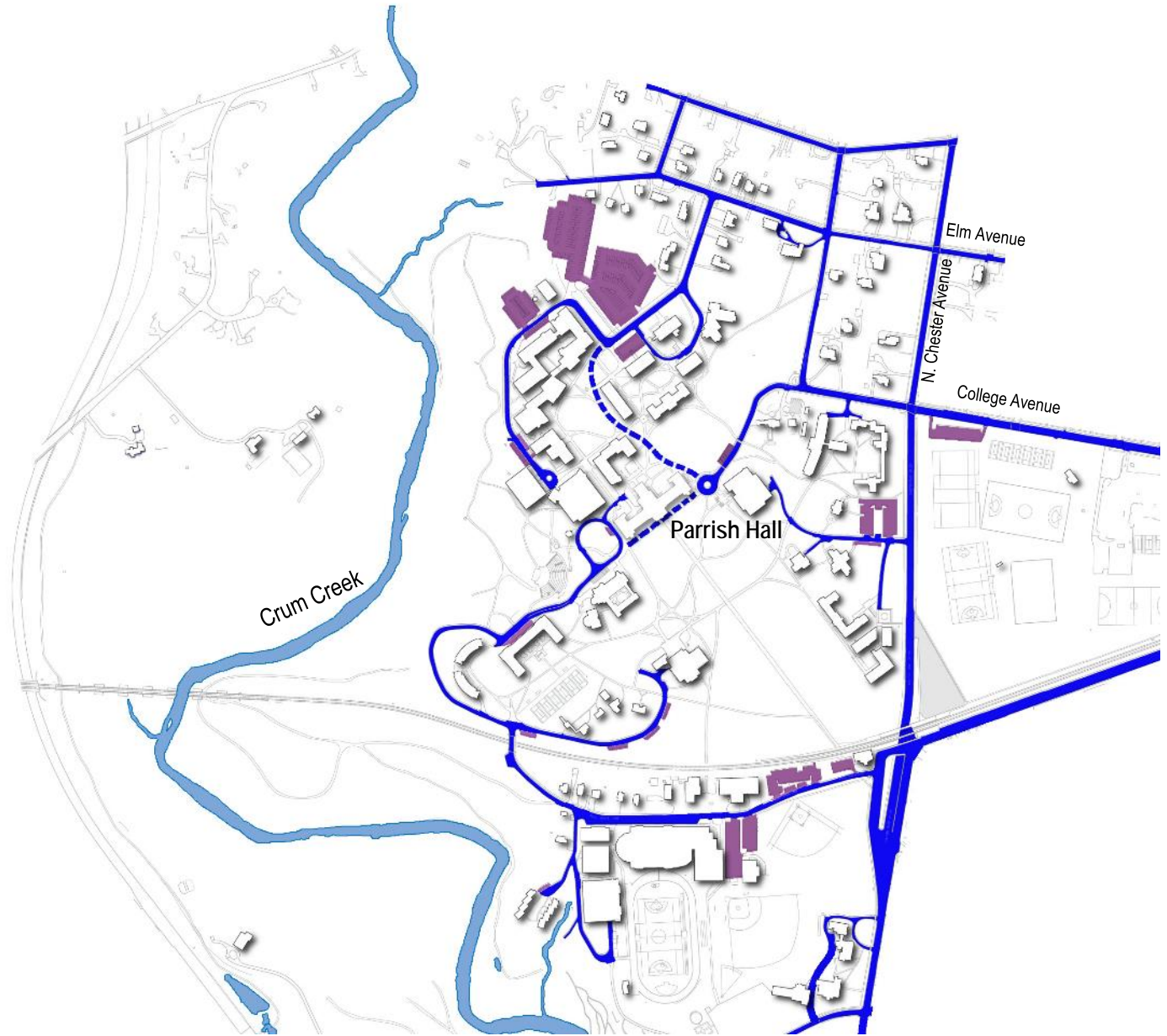
Campus Analysis: Service Access




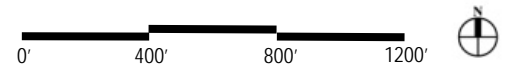
- Service Points 
- Service Access Only 
- Street Network 



Campus Analysis: Parking Areas



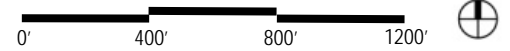
Parking Areas 



Campus Analysis: Bike-rack locations







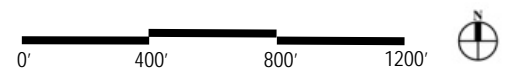
Bike-rack *







Campus Analysis: Open Spaces

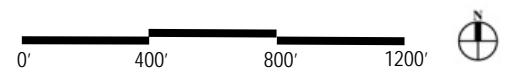


- Gardens / Plant Collections 
- Quads / Lawns 
- Mature Tree Canopy 
- Athletics / Recreation 










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