National Capital Planning Commission

Suitland Collections Center Master Plan

4210 Silver Hill Road, Suitland, Maryland

Approval of Final Master Plan

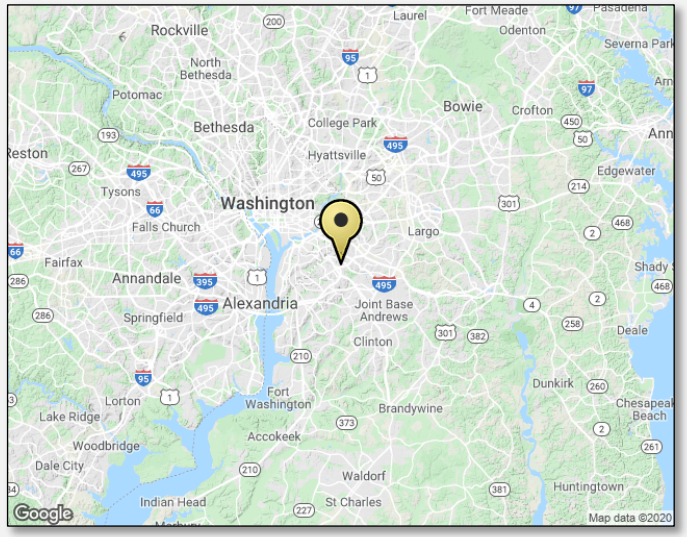
Smithsonian Institution

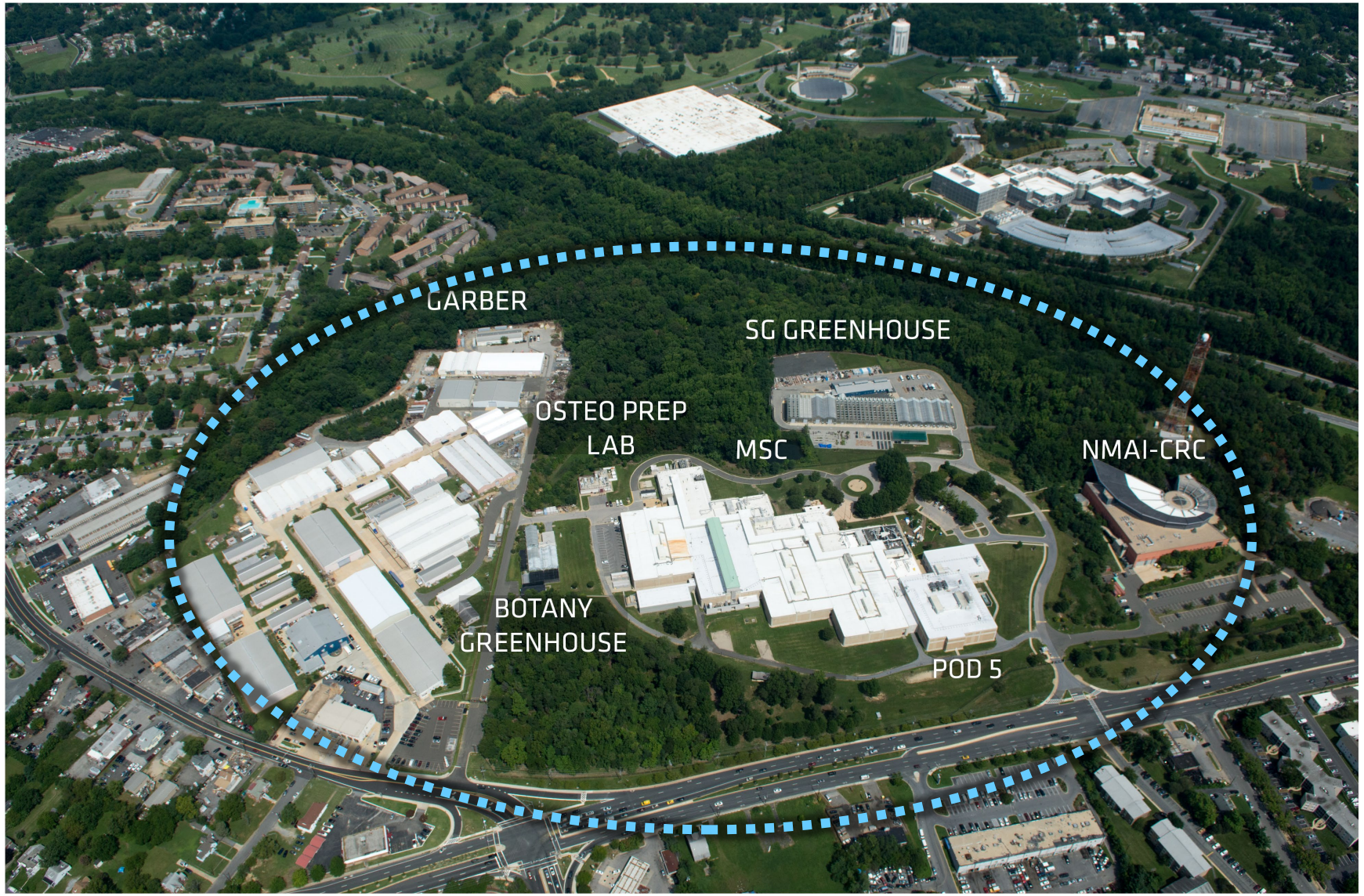
June 4, 2020 | File: MP135

Final Master Plan Review:

- Where the issues of the draft master plan addressed?
- Are there any off-site impacts?
- What is the phasing of the master plan?
- Is the Transportation Management Plan complete?
- Are the landscape/stormwater plans complete?

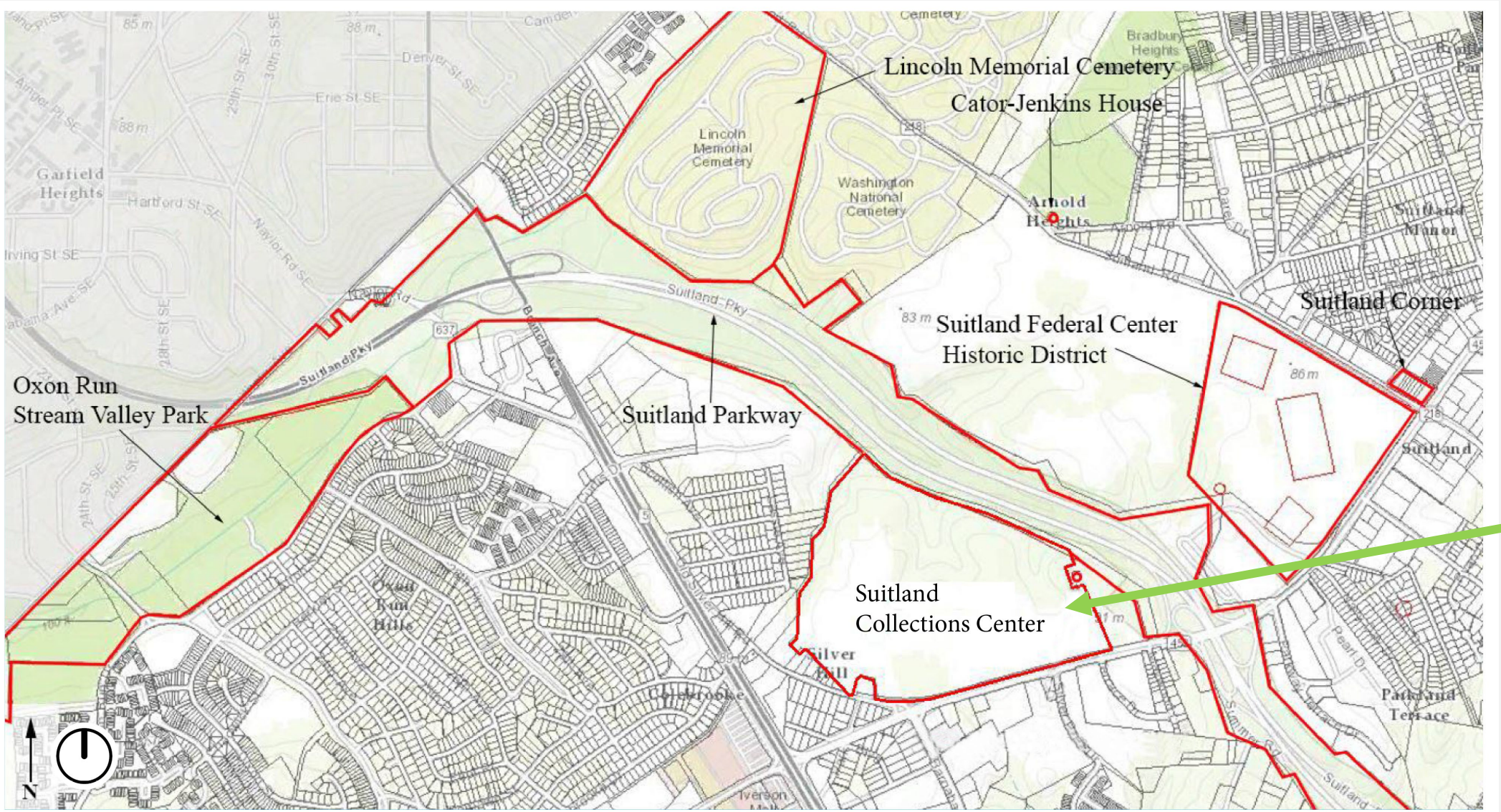
Site Location





Location Map

Site Context



Existing Buildings



Garber Buildings



MSC Building



CRC Building



Botany Greenhouse



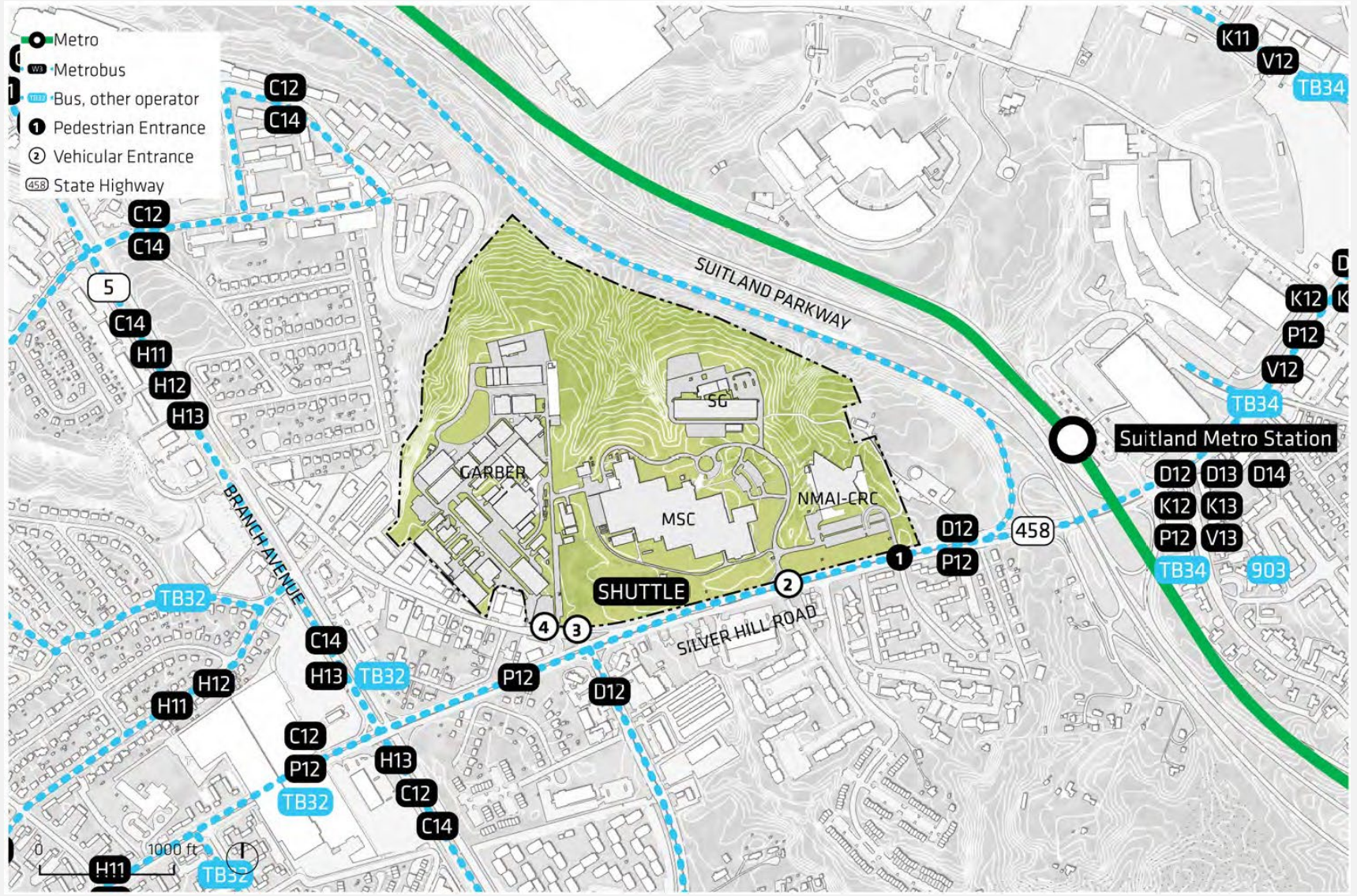
Greenhouses



Fleet Maintenance

Site Context – Public Transportation

Existing campus access and public transportation

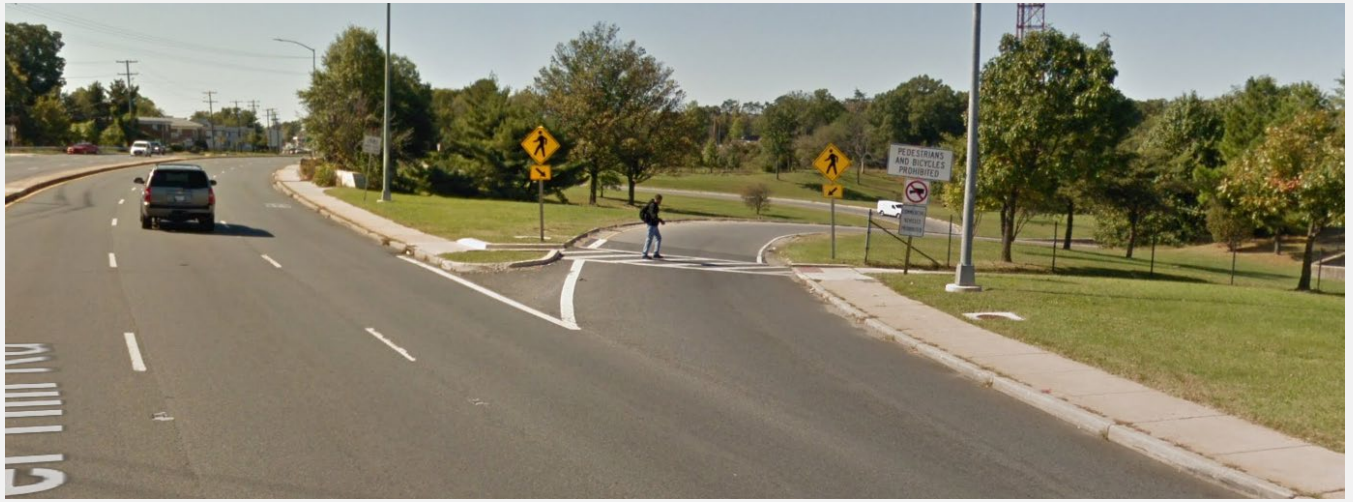


Site Context – Pedestrian Route

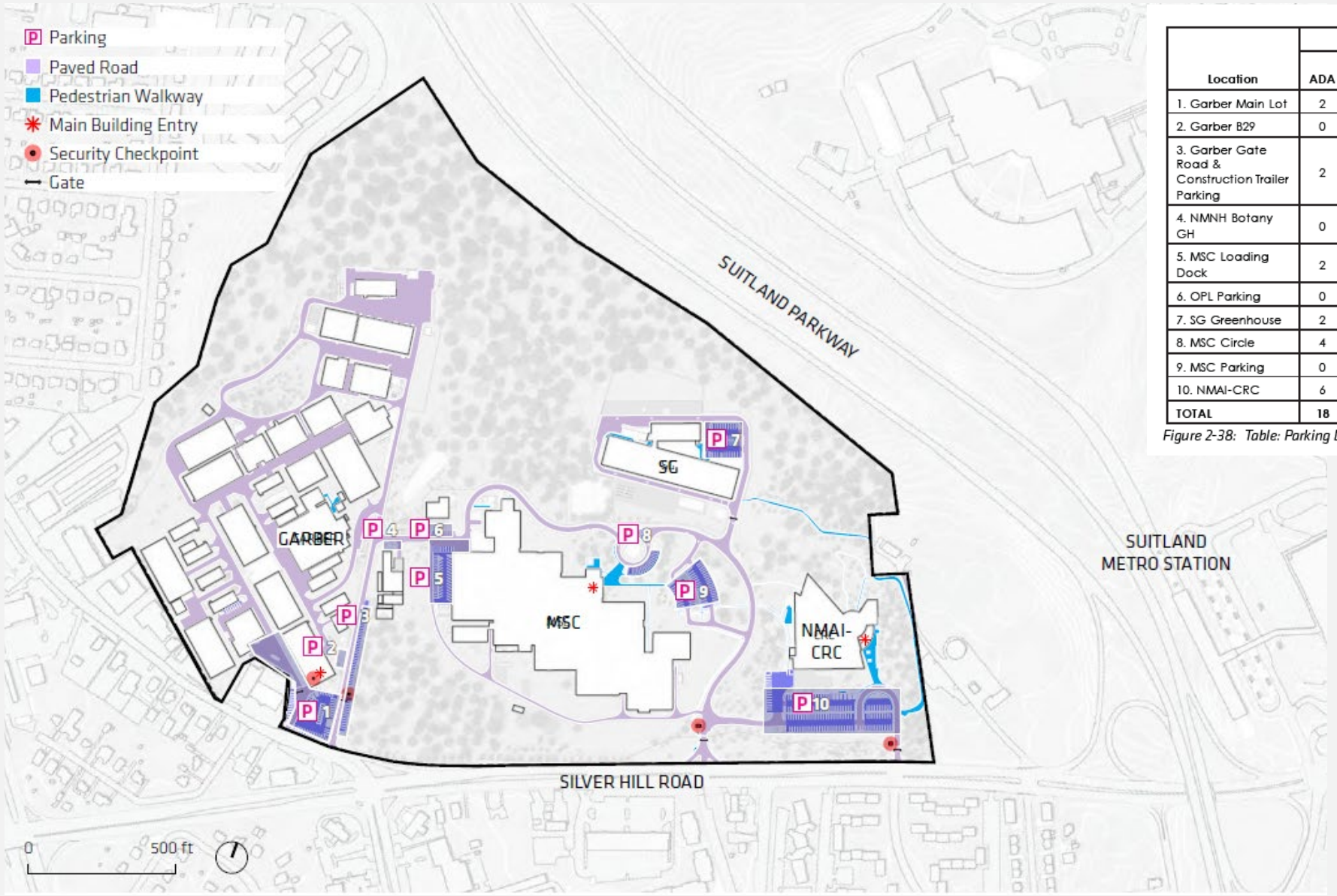








Existing Conditions – Access and Parking



Location	Capacity			Utilization: October 23, 2019			Utilization: October 29, 2019		
	ADA	Emp/ Visitor	SI Veh Only	ADA	Emp/ Visitor	SI Veh	ADA	Emp/ Visitor	SI Veh
1. Garber Main Lot	2	63	2	0	41	17	0	38	18
2. Garber B29	0	0	3	0	0	3	0	0	2
3. Garber Gate Road & Construction Trailer Parking	2	39	0	0	37	1	1	32	0
4. NMNH Botany GH	0	2	1	0	1	0	0	2	0
5. MSC Loading Dock	2	55	1	1	44	4	1	39	3
6. OPL Parking	0	3	4	0	1	4	0	1	3
7. SG Greenhouse	2	42	1	0	14	8	1	16	5
8. MSC Circle	4	8	0	4	8	0	4	8	0
9. MSC Parking	0	56	0	0	66	2	0	64	1
10. NMAI-CRC	6	123	8	0	96	9	1	100	9
TOTAL	**18**	**391**	**20**	**5**	**308**	**48**	**8**	**300**	**41**

Figure 2-38: Table: Parking Lot Capacity and Utilization

Existing Conditions – Vegetation and Topography

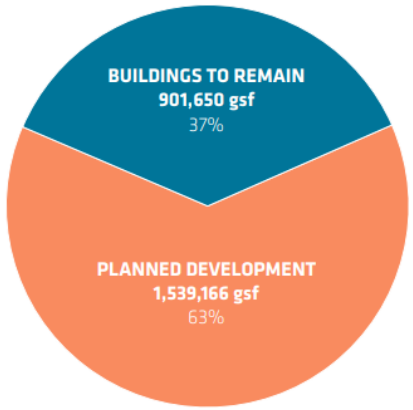


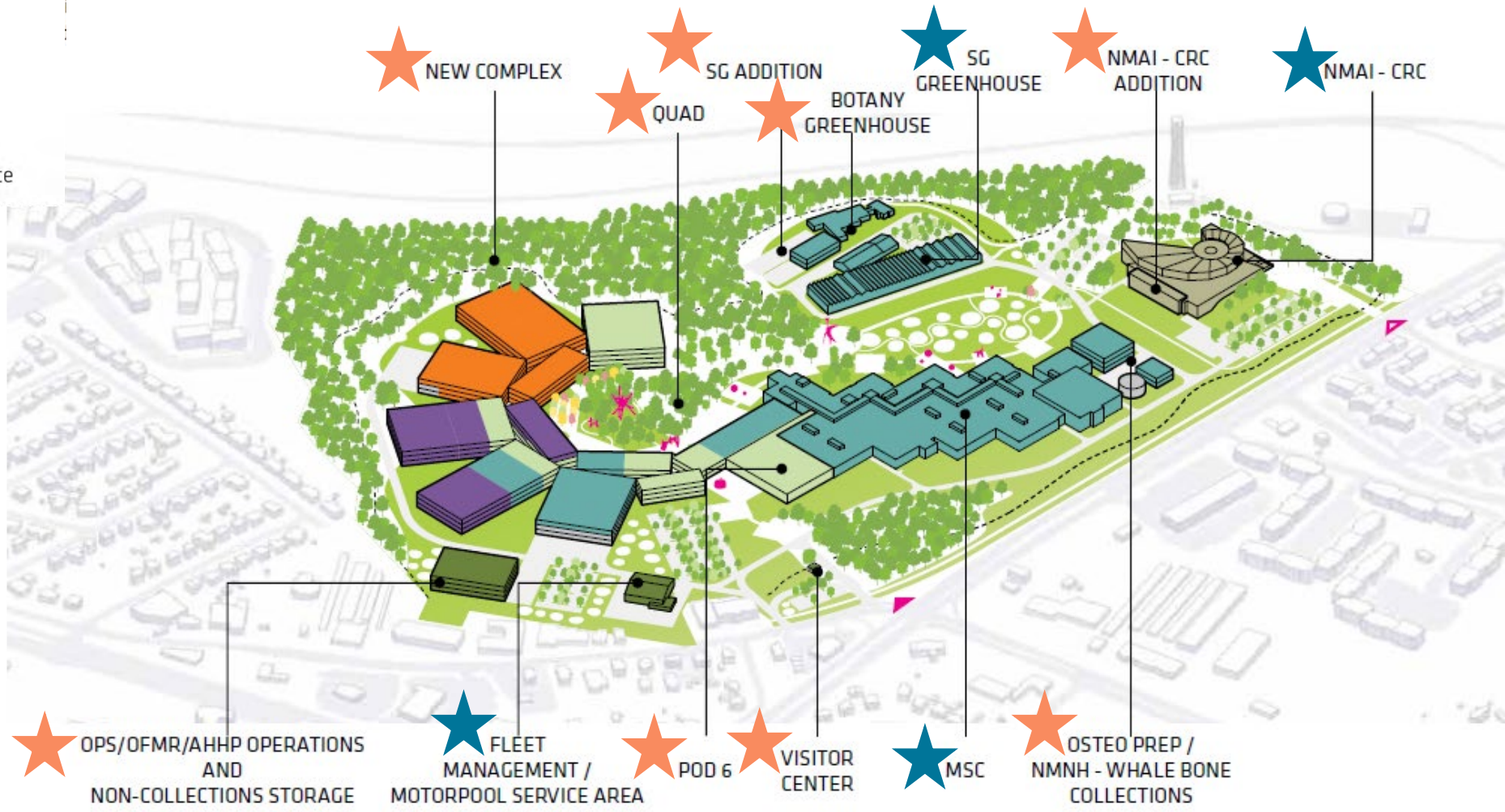


Final Master Plan – Site Organization

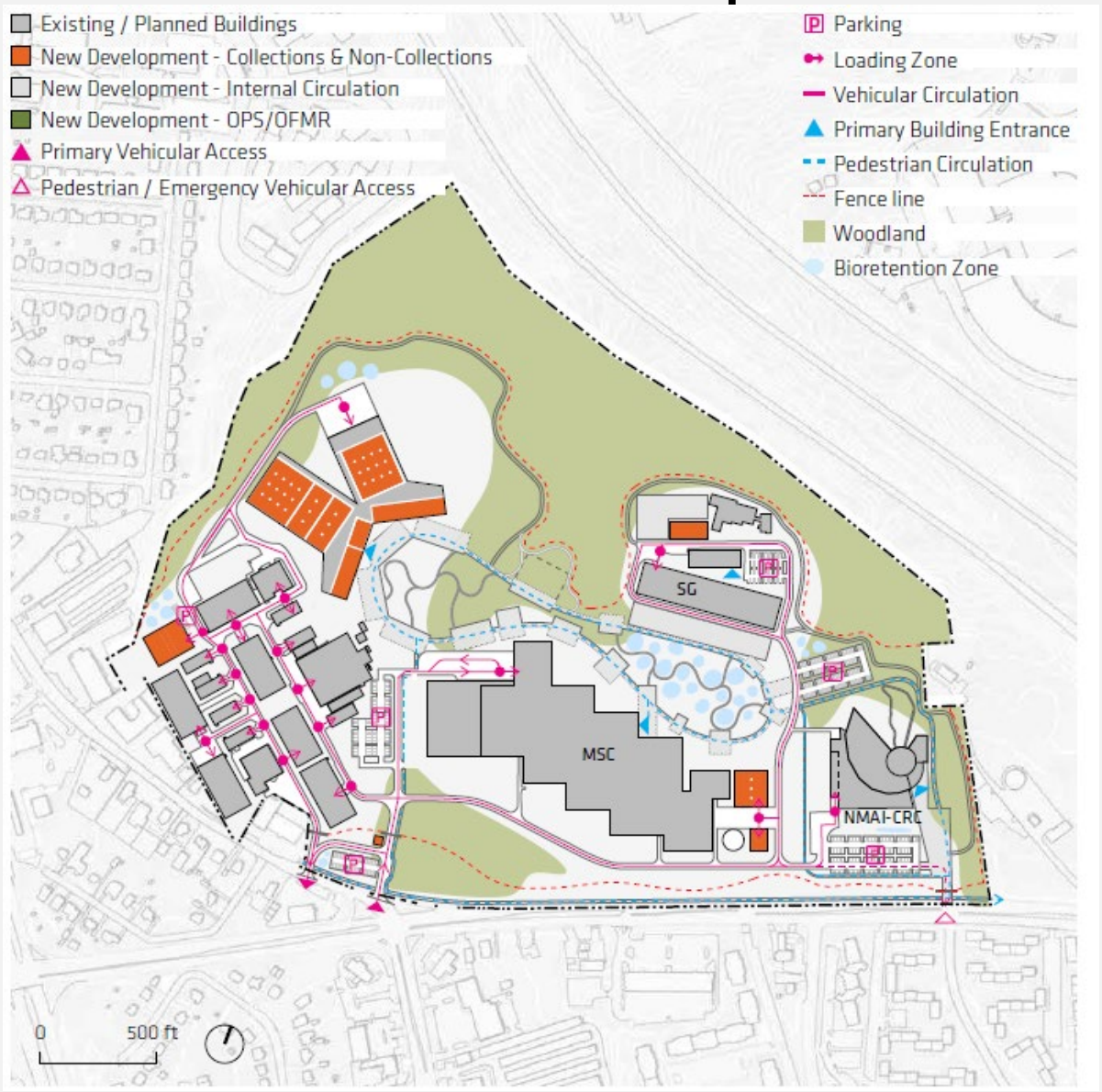
- Collecting Units - Art
- Collecting Units - Archives & Libraries
- Collecting Units - Science
- Collecting Unit - NMAI-CRC
- Pan-Institutional Facilities
- OPS / OFMR / AHHP
- Main Campus Entrance
- Pedestrian & Emergency Vehicle Campus Entrance

Development at SCC in 40 years
2.4 million gsf



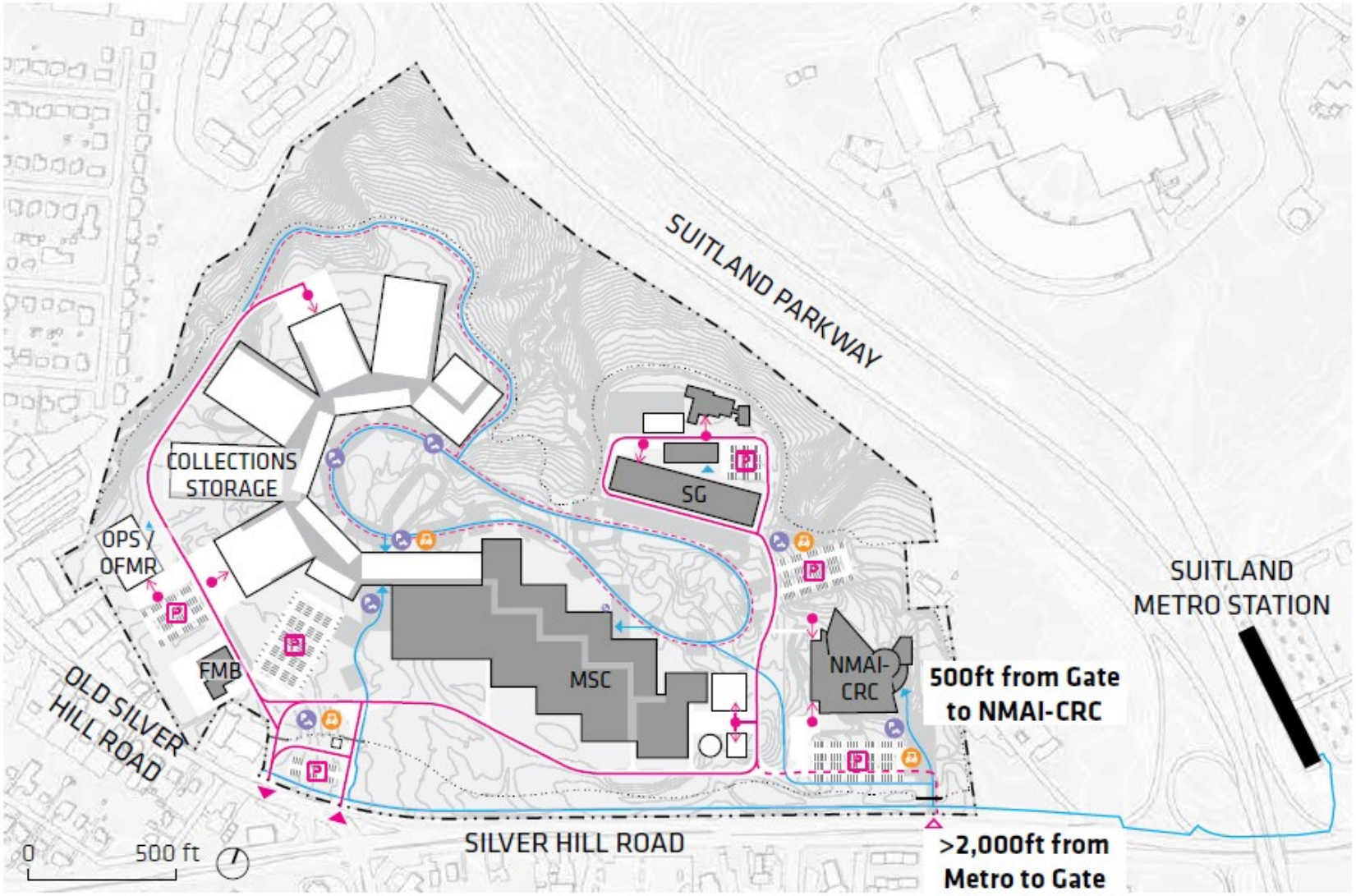


20-Year Site Development Plan





Campus Circulation



- Primary Vehicular Access
- Primary Pedestrian / Emergency Vehicular Access
- Vehicular Circulation
- Emergency Vehicular Circulation
- Pedestrian Circulation
- Primary Building Entrance
- Existing / Planned Buildings
- New Development
- Internal Circulation
- Bike Station
- Electric Cart Station
- Parking
- Fence

Silver Hill Road Improvements

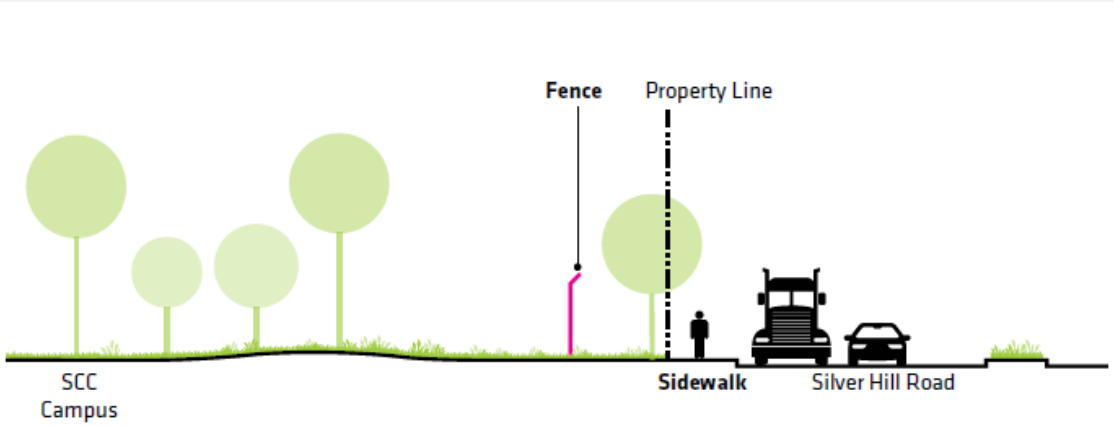


Figure 3-18: Section Diagram of Existing Silver Hill Road

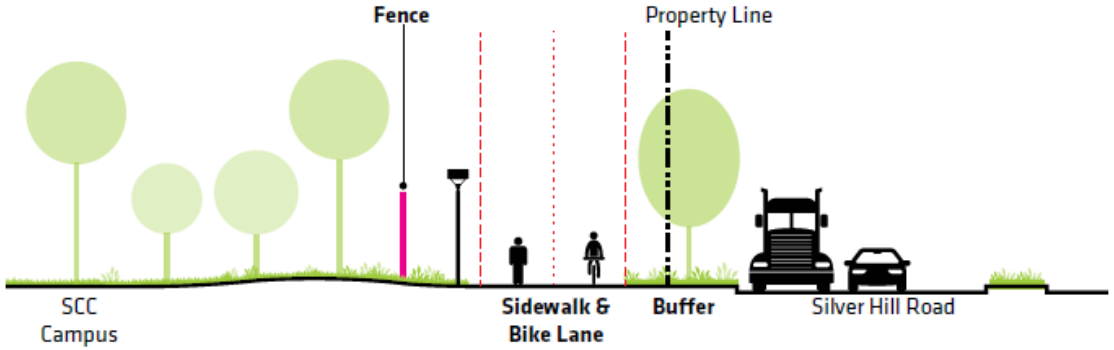


Figure 3-19: Proposed Section Diagram of Silver Hill Road

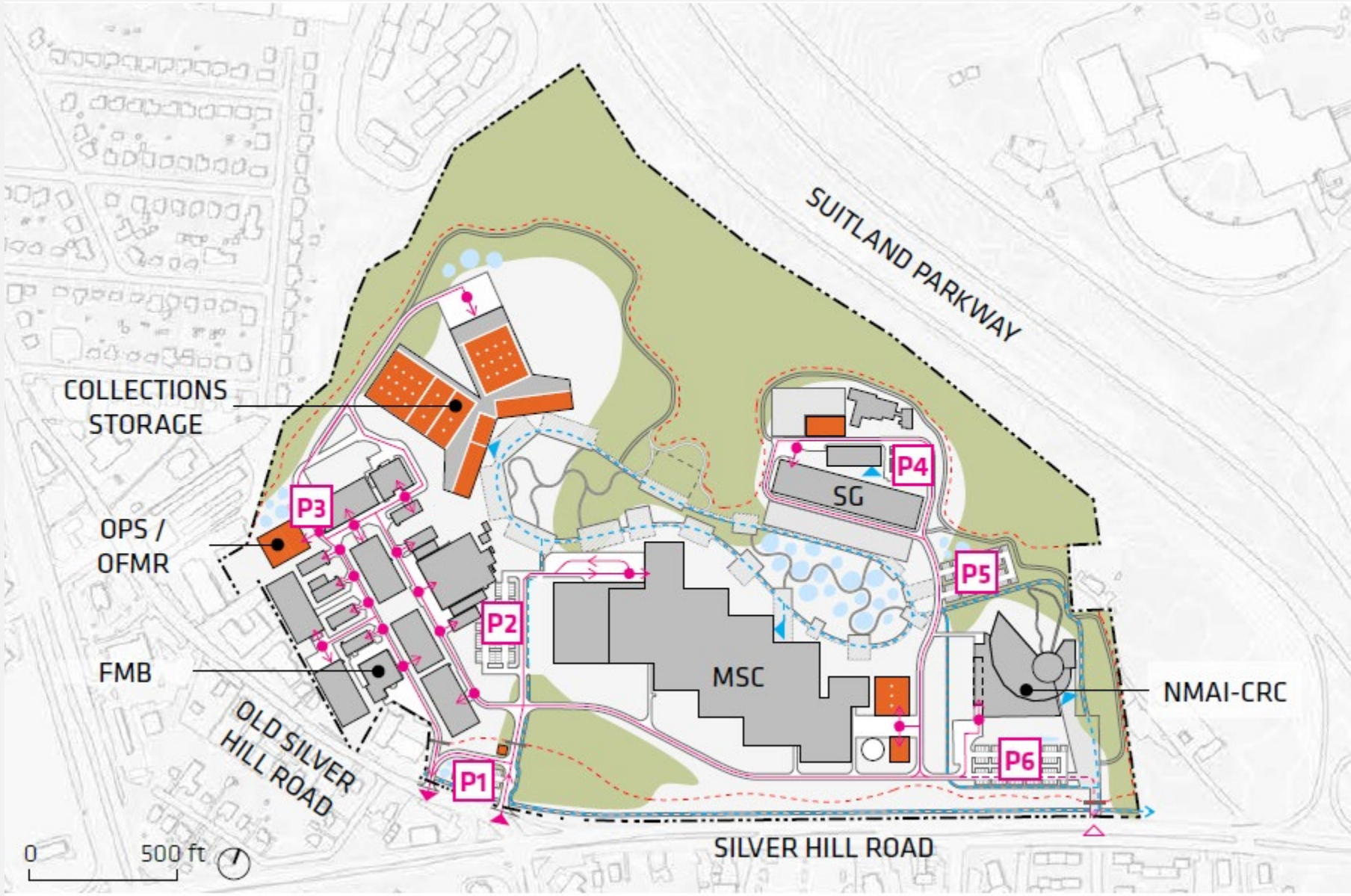
Proposed pedestrian and bicycle improvements to Silver Hill Road in final master plan





Parking – Phase 1

#	CAPACITY	TOTAL
P1	30	
P2	68	
P3	10	
P4	50	
P5	68	
P6	104	
PROPOSED PARKING		330



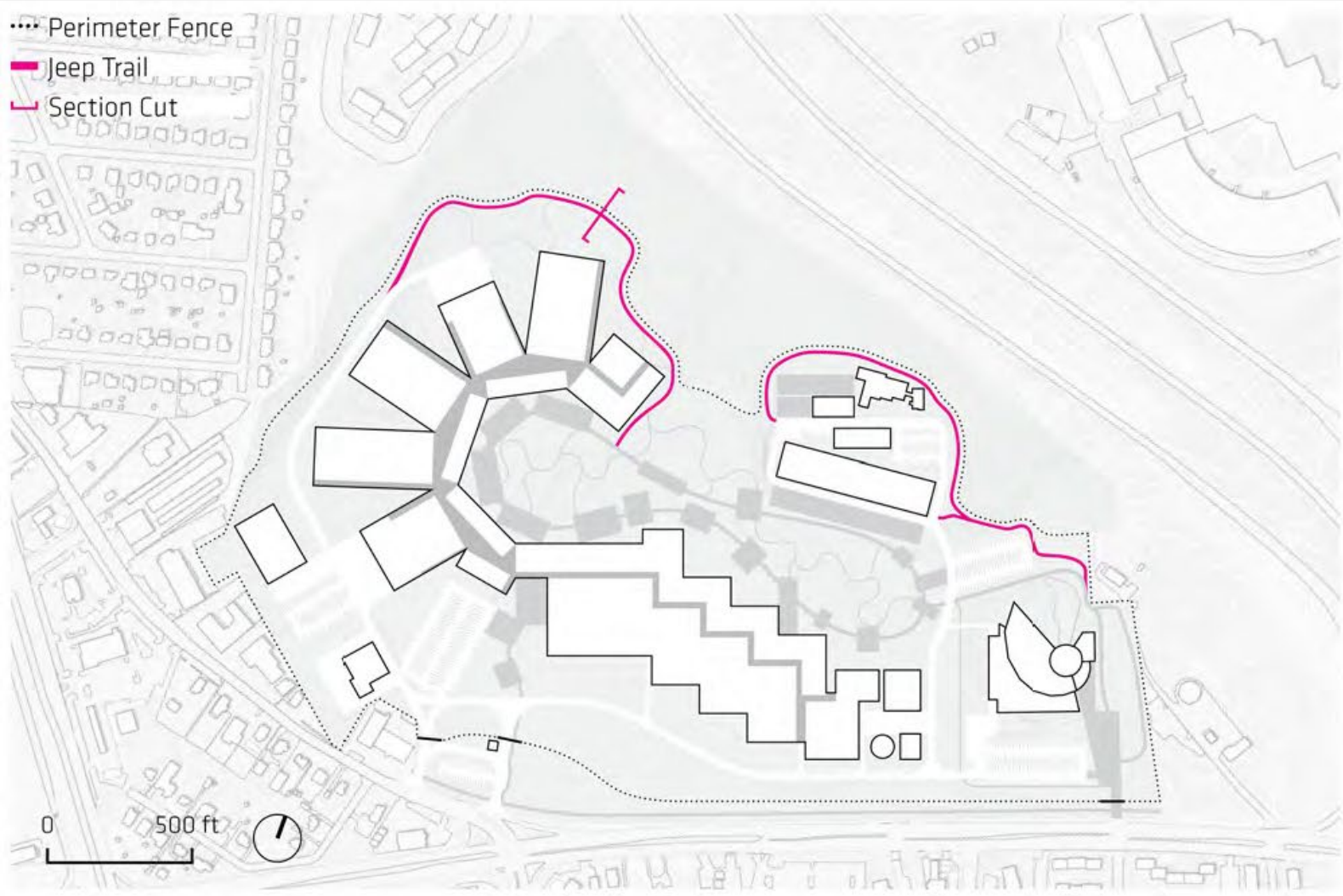
Parking Plan Details:

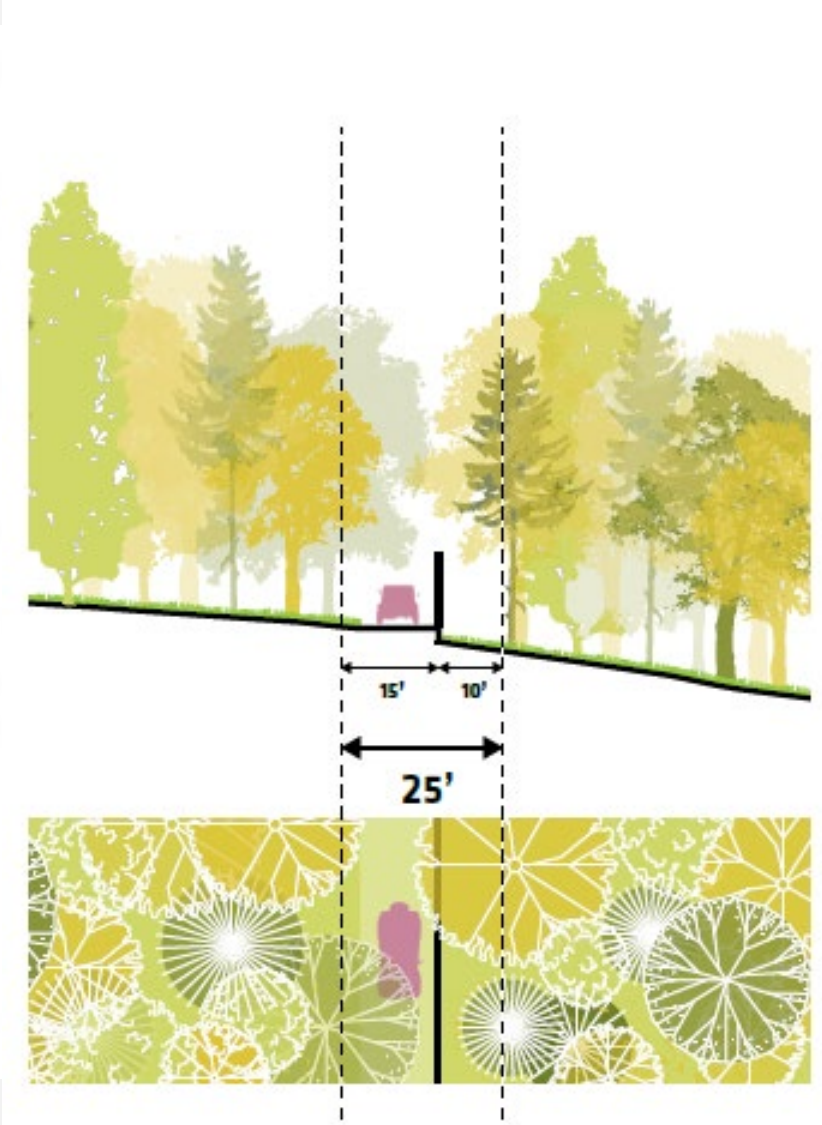
	Suitland Collections Center -- Proposed path to reduced employee parking ratios 2021-2040.	4/13/2020				
Item #	* Estimated - to be updated with FY21 Detailed Baseline Survey	Change to total parking space count	Tot # of Parking Spaces at end of project	# of SCC-based SI Employees (incl FT embedded contractors, badged FT research fellows)	# of SCC-based Employee spaces	Ratio SCC-based FT Employee: SCC employee parking spaces
	EXISTING CONDITIONS - CURRENT*		430	350	300	1:1.2
	Parking Spaces utilized (based on Oct 2019 survey)		361		244	1:1.4
	YEARS FY 21-30 PROJECTS AND ACTIONS					
1	Detailed Baseline User Transportation Survey/ initiate SI-wide transportation coordination		430	TBD	TBD	TBD
2	Interagency Shuttle Partnering Outreach	NA	430			
3	Advocate for offsite pedestrian safety improvements w/ NPS, MD agencies	NA	430			
4a	Botany Greenhouse relocation	-2	428			
4b	MSC Pod 6	-38	390			
5	CRC west addition and renovation	0	390			
6	Improve pedestrian connections between buildings entries and parking lots	NA	390			
7	Temporary Staff/Contractor increase for Collection inventories, packing and moves to DCC, Pod 6 etc	(use temp constr space)	390			
8	Consider implementation of paid parking across SI campuses with transit access		390	400	235	
	Subtotals at end of first 10 years		390	400	235	1:1.7
	YEARS FY 31-40 PROJECTS AND ACTIONS					
1	New Garber Entrance and visitor only parking	-40	350			
2	New OPS/ OFMR building (new spots to be SI veh, ADA, Vis only)	10	360			
3	SG Equipment Building (new spots to be SI veh, ADA only)	5	365			
4	Osteo Prep Lab relocation	-3	362			
5	CRC Parking Renovation	-32	330			
6	Replace MSC east lot w new lot N of CRC	0	330	450	150	
	Target at end of 20 years		330	450	150	1:3
	TOTAL NET CHANGE	-100	-100	+100	-150	

The final master plan includes the following actions:

- A detailed employee parking survey to address inconsistencies in the data and update the TMP.
- Eliminate parking as part of upcoming building projects, which along with increases in staff, will help them achieve the goal of 1:3 over the 20-year master plan period.
- Evaluate a variety of transportation demand management strategies including but not limited to a shuttle shared with nearby federal campuses to the metro station, paid parking or parking passes to ensure that the SCC parking is available to those that need it, and improved internal pedestrian accessibility.

Security Fence





Final Master Plan

