

An aerial photograph of the University of Colorado Boulder campus. The foreground shows a mix of green grass, trees, and a cemetery. The middle ground is filled with various campus buildings, including large brick academic buildings and modern glass-fronted structures. In the background, a large blue lake is visible, surrounded by a dense forest of trees. The sky is clear and blue.

Boulder DoC Campus Master Plan Update

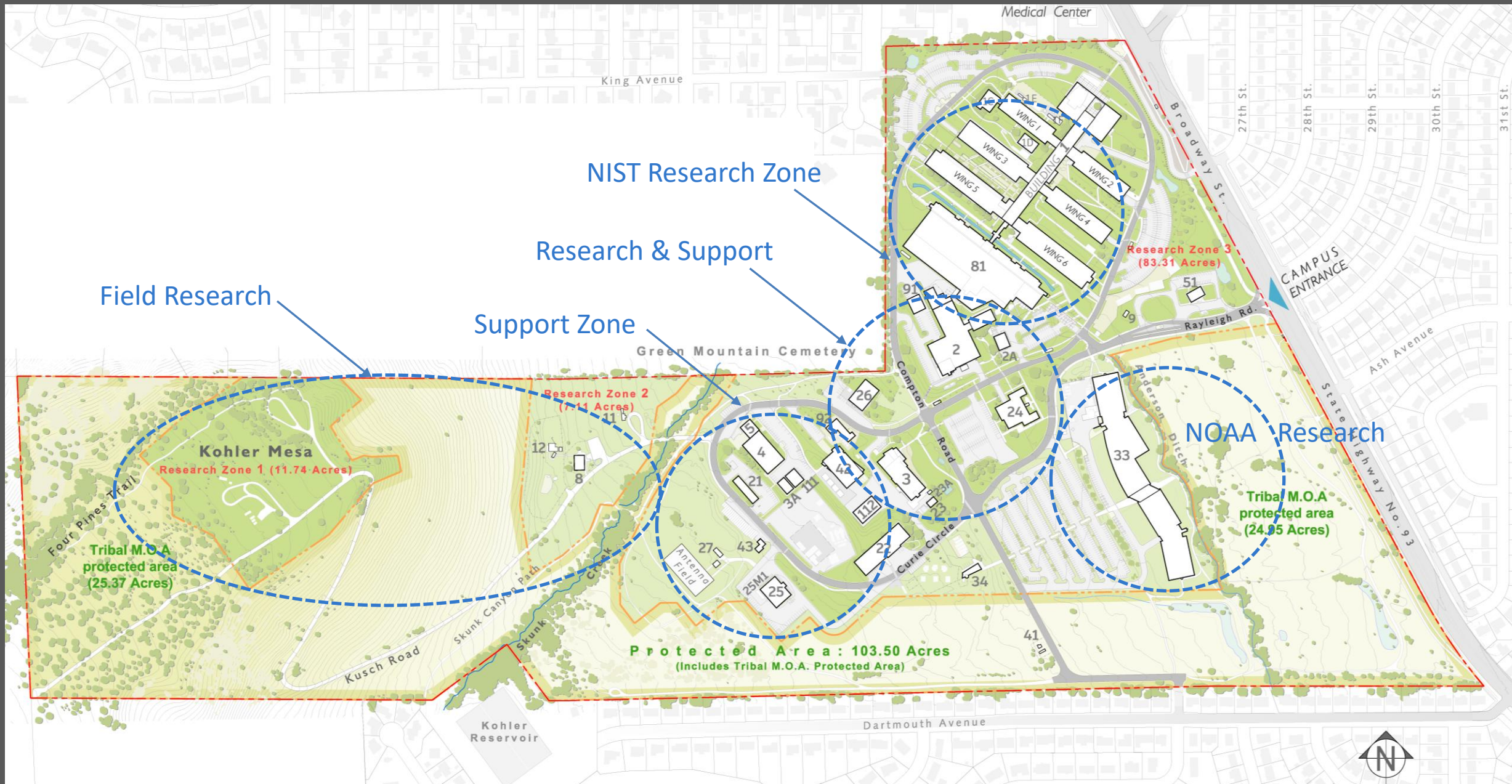
City of Boulder

March 2026

- Existing Campus
- 2017 Master Plan
- 2026 Master Plan Update
 - New Considerations
 - Program
 - Alternatives
- Components
 - Core Buildings
 - Entrance & Screening Modifications
 - Management Resource Center
 - Wildfire Strategy
- Discussion









2017 Master Plan Considerations



Existing Campus: Center View

- Laboratory modernization with environmental control; obsolete buildings, aging infrastructure
- Inefficiency of multiple small, modular, aging buildings
- Scattered management resource and support functions
- Energy efficiency and sustainability
- Circulation and screening congestion
- Historic designation of Building 1
- No campus organizing principle
- Limited collaboration opportunities
- City Of Boulder MOA
- Community access & considerations



Key Features

- Building. 1 renovations
- New replacement research buildings (3)
- Management Resource consolidation
- Childcare center replacement
- Campus Center amenities –B24
- Entrance & screening improvements
- Conference center enhancement
- Parking garage
- Pedestrian & building linkages
- Environmental enhancements



2026 Master Plan: Center View

2017 Considerations Remain, including:
Research laboratory needs, scattered inefficient support buildings, circulation & screening congestion, No organizing principle/linkages

New Considerations

- Building 3 (Communication Technology Laboratory) completed
- Computer Center built in 2018
- Research buildings (3) further developed, following 2017 Plan
- Building 24 (Plasm Physics):
 - Potential historic designation
 - Functional viability for reuse
- Updated growth, priorities
- Hazmat building replaced, new storage building
- Wildfire risk increasing



Key Features

- Building. 1 renovations
- New research buildings (3)
- Building 24 removal
- Coffee bar/central plaza
- Management Resource consolidation
- Childcare center replacement & relocation
- Parking garage
- Modified -Entrance & screening improvements
- Pedestrian & building linkages
- CUP expansion

Campus-wide Master Plan Program Summary



2026 Master Plan: View from the south

Program Summary	Existing	Master Plan
Personnel	1,767	1,886
Buildings / Structures	29	20
Building Total Square Footage	1,266,604 GSF	1,407,947 GSF
Parking	1,389 spaces	1,463 spaces
Impervious Acres	51 acres	49 acres
Alternate Energy	Site lighting	Building solar, field
Both GSF and Parking below MOA maximums (1,418,923 gsf & 1,802 parking spots)		

Organization	EXISTING		PROJECTIONS	
	People	Total	People	Total
	#	USF	#	USF
NIST				
NIST ADMINISTRATION				
CHIPS Research & Development Program Office	19	1,891	19	2,850
Director's Office-Public Affairs	8	15,208	8	12,542
Management Resources / BOO	9	496	10	1,500
Emergency Services Office	10	7,278	12	8,956
Office of Acquisition and Agreements Mgmt.	18	2,081	22	33,00
Office of Facilities and Property Management	68	45,333	68	51,304
Office of Information Systems Management	38	14,081	42	18383
Office of Safety, Health and Environment	10	3,668	10	2,850
ST	180	90,036	191	101,686
NIST LABORATORIES				
Laboratory Programs-Assoc. Director	1	671	1	1,491
Communications Technology Laboratory	189	74,786	200*	76,313
Information Technology Laboratory	25	3,616	31	4,884
Material Measurement Laboratory	110	46,025	116	55,393
Physical Measurement Laboratory	341	146,484	358	156,825
Lab Growth (Bldg. A POR)	0	0	0	920
ST	666	271,582	706	294,825
NTIA	72	21,234	105	32,096
NOAA -- in NIST	15	19,394	15	21,000
OU Totals	933	402,246	1,017	449,607
Common NIST/NTIA (other shared in OU totals)				
Common Collaboration	—	6,070	—	6070
Building A Atrium /Collaboration				6400
Hoteling / Guest office areas (NIST)	—	—	—	1,200
Coffee Bar	—	—	—	1,500
Shelter-in-Place Allowance	—	—	—	7,300
CUP Expansion	—	—	—	300
NIST Program Totals	—	408,316	1,017	465,977

NIST Campus Summary

People

- Total in 2025: 933
- Projected: 1,017 (± 10 years)
- Overall Growth: Approx. 9%

Usable Space

- Existing: 408,316 usf
- Projected: 465,977 usf
- Overall Growth: Approx. 15%
- Labs: Adding ±14,000 sf of lab space
- + Allowance for shelters-in-place

NOAA Campus Summary (not in table)

People

- Total in 2025: 834
- Projected: 869 (± 10 years)

Usable Space

- Existing: 240,590 usf
- Projected: 261,590 usf



Buildings in Play

- Childcare Center
- Plasma Physics (B24)
- Management Resource (various)

Elements Retained from 2017 Plan

- Research Buildings A, B & garage
- Building 3 Addition
- NOAA buildings
- Entrance modifications approach
- Other (B1 and selected support)

Selection Based on:

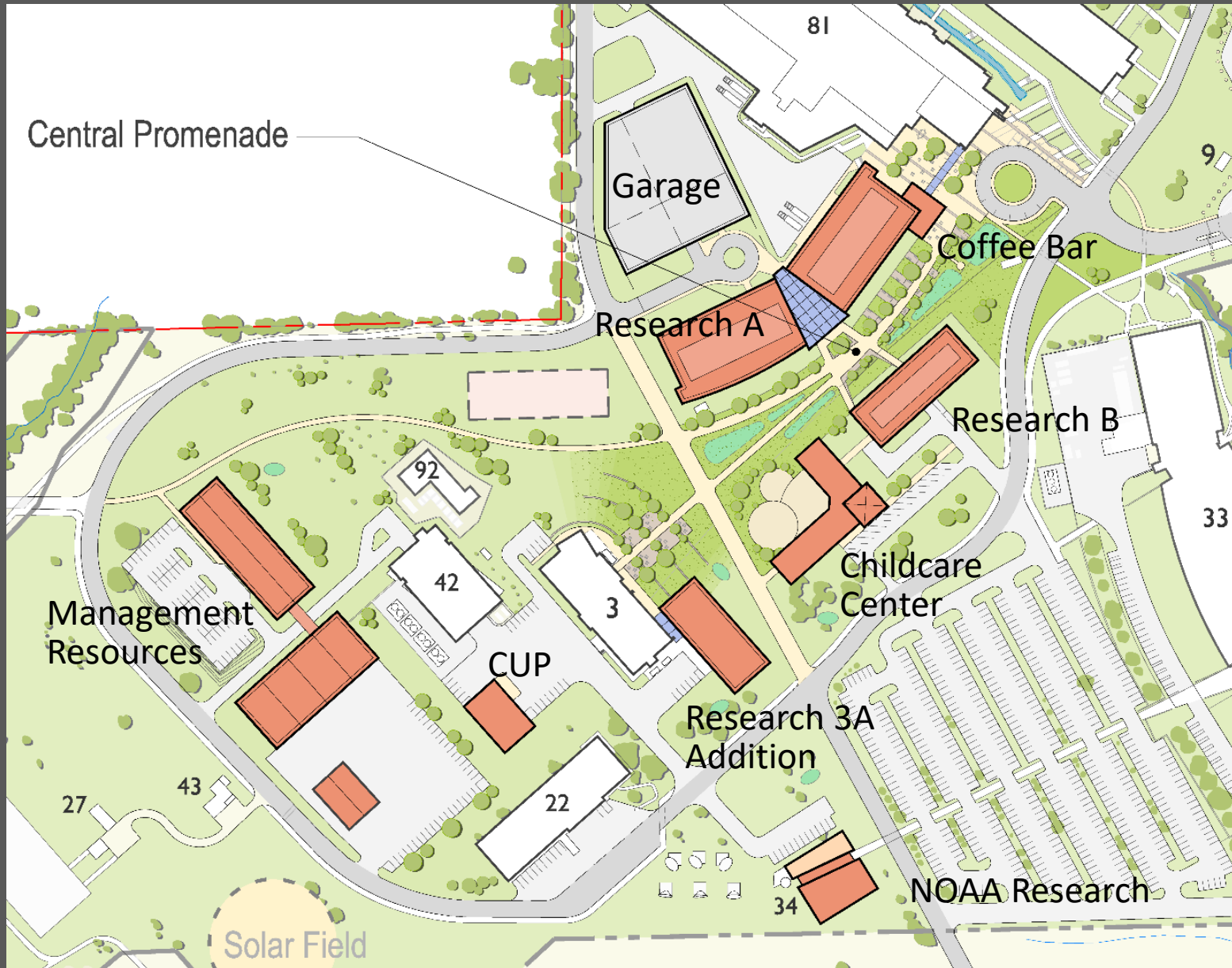
- Focused campus center for arrival, drop-off, shared amenities
- Research priorities
- Flexible phasing
- Safe, efficient childcare center
- Practical circulation, landscape plan
- Possible added research (if SF permits)

Components – Core Buildings

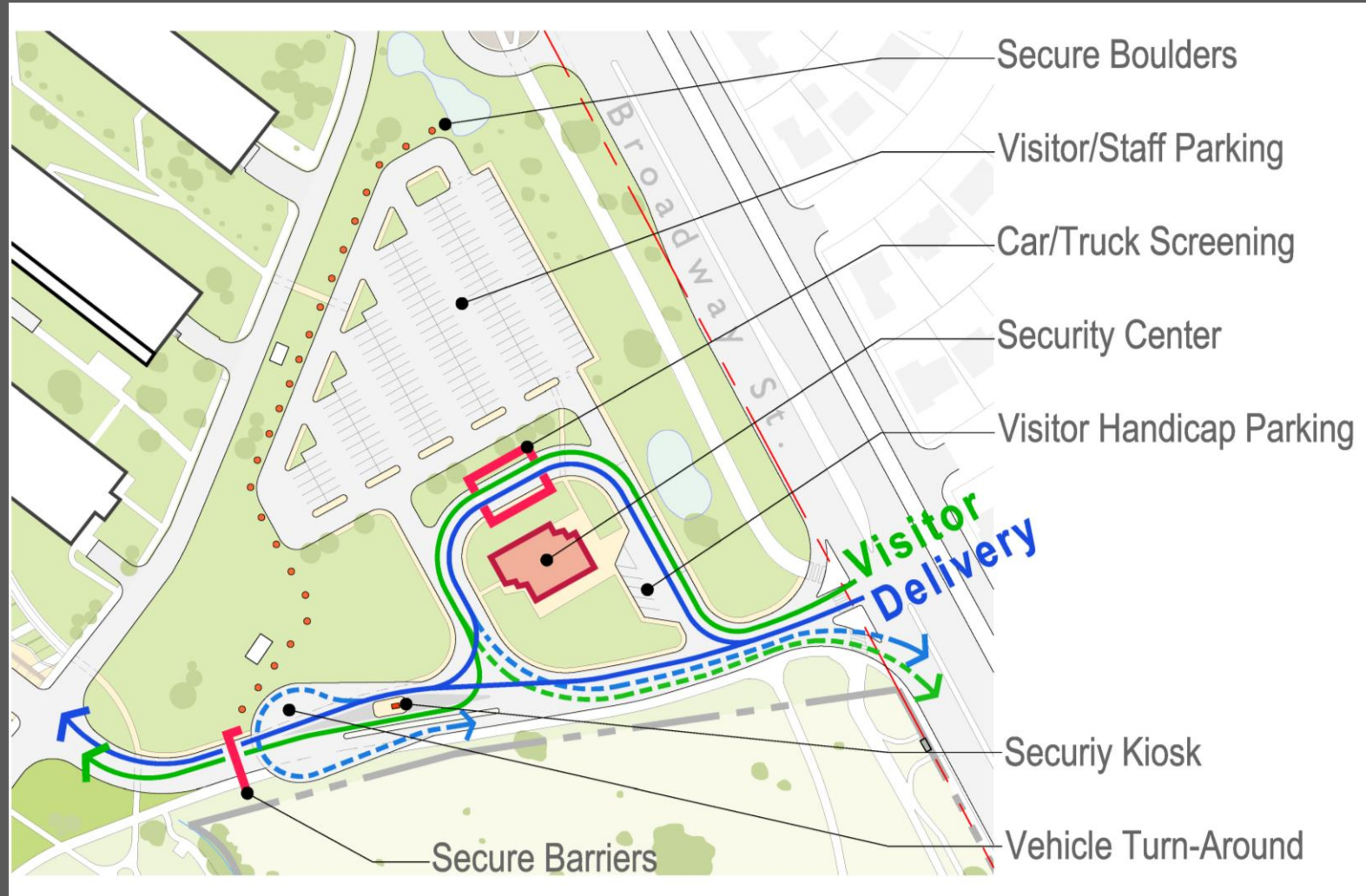
Concept: Center campus is highlighted, responding to greater density/activity.

Key Elements

- Pedestrian way w/ landscaping concentrated in campus center, beginning with plaza by B81, continuing to a focus N of B3.
- Research Building B replaces B24, close to campus core
- New Childcare building closer to entrance & facing the green
- Management Resources consolidated with offices/shops/services near laydown yard.
- Coffee bar/collaboration area in new building A. Tours gather at B81 or Building A
- Compton Road potentially open to garage



Components – Entrance and Screening



Concept: Circulation is modified to ease congestion, improve safety

Key Elements

- Security Center is expanded for new facilities and support
- Car and truck screening relocated to ease congestions and allow multiple vehicles
- Guard booth moved west, with a new turning lane before the security barrier
- Visitor parking lot created that does not require vehicle screening. Visitors may walk onto campus

Background

- Entrance from Broadway modified by City of Boulder in 2020
- Second exit to Broadway considered in 2022 but no longer pursued.

Component: Management Resource Center

Administration Component

- Offices and Workstations (OFPM, OAAM, 103 people)
- Conference, collaboration rooms, office support
- Design & Construction support (files, sample, archives)

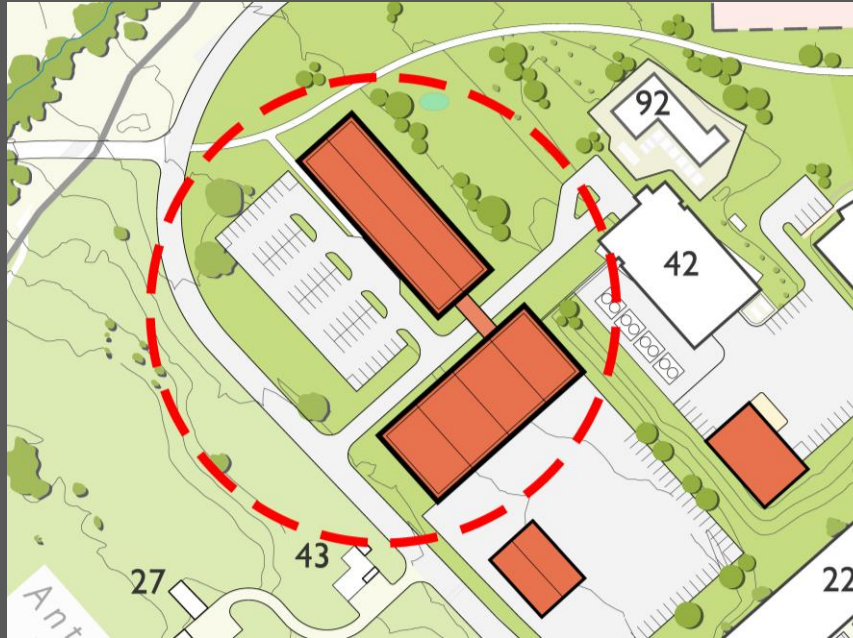
Computer Space Data center back-up

Shop Components

- Vehicle Maintenance
- Metal & Welding Shop, Carpentry Shop
- Support, Loading Dock, receiving

Storage Component

Enclosed Parking



8 buildings
replaced

Other Key Features



Engineering

- CUP capacity adequate if energy conservation in new bldgs. and low delta T addressed (redundancy reduced).
- CUP expansion allocation for future equipment replacement.
- Additional primary electrical service will be required.
- High speed transfer switch replacement (options presented)

Landscape

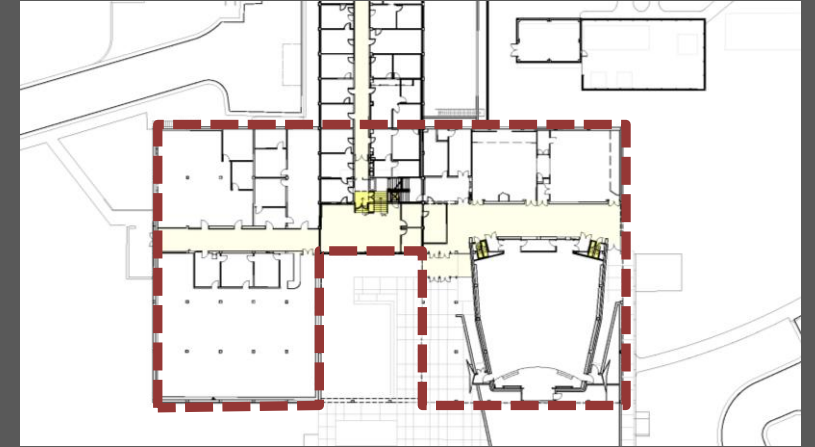
- Pedestrian, user-friendly approach: seating, shade, entrance plaza
- Windbreaks & wildfire-defensible plantings.
- Easy maintenance materials, plants.
- Landscaped central core, stormwater management

Environmental Assessment

Component: Wildfire Strategy

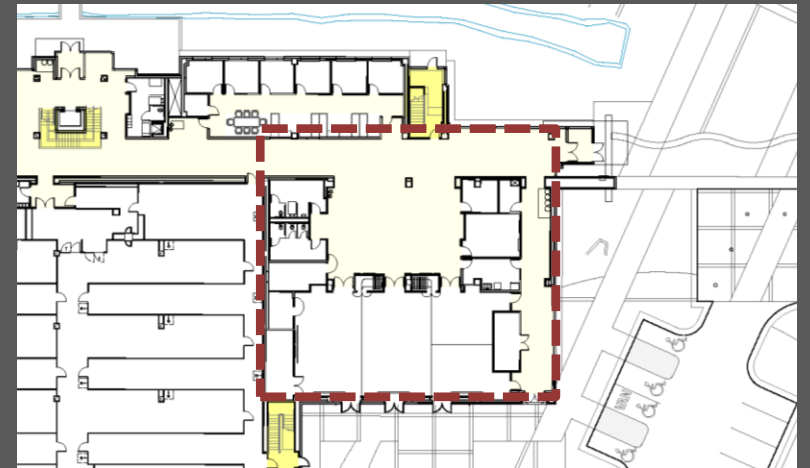


B1



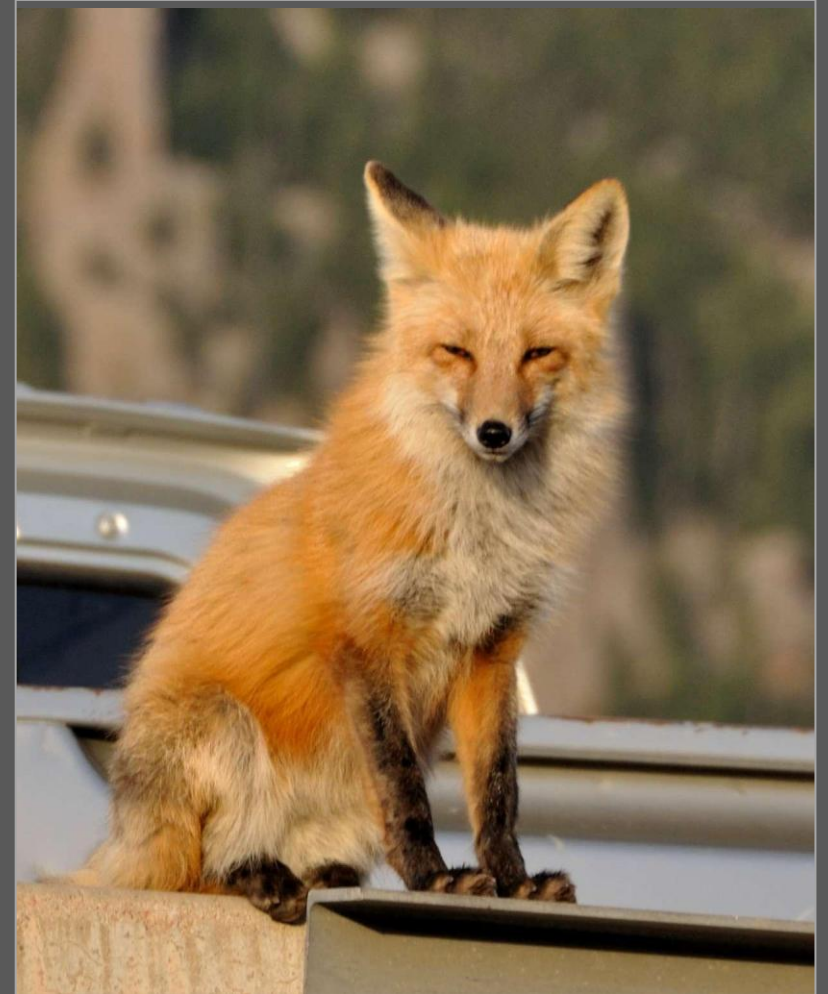
Capacity: 500-seat auditorium, 2 conference rooms (2300 sf), library (4500 sf), lobby, office block

B81



Capacity: 5 conference rooms (2600 sf), lobby, toilets, kitchenette

Discussion



Courtesy NIST



