HOPKINS STUDENT CENTER

HOMEWOOD CAMPUS, BALTIMORE, MARYLAND, USA

UDAAP DESIGN DEVELOPMENT REVIEW

2021/11/4

JOHNS HOPKINS UNIVERSITY

SHEPLEY BULFINCH | rockwellgroup | MICHAEL VAN VALKENBURGH ASSOCIATES INC | Knippers Helbig Advanced Engineering | wsp | Thornton Tomasetti | WRA | CLARK CONSTRUCTION

HAMPDEN

ROLAND PARK

TUSCANY / CANTEBURY

PEN LUCY

WYMAN PARK AREA

GUILFORD

EDNOR GARDENS - LAKESIDE

HAMPDEN

JOHNS HOPKINS UNIVERSITY HOMEWOOD CAMPUS

OAKENSHAW

WAVERLY

CHARLES VILLAGE

ABELL

BETTER WAVERLY

WYMAN PARK DELL

REMINGTON

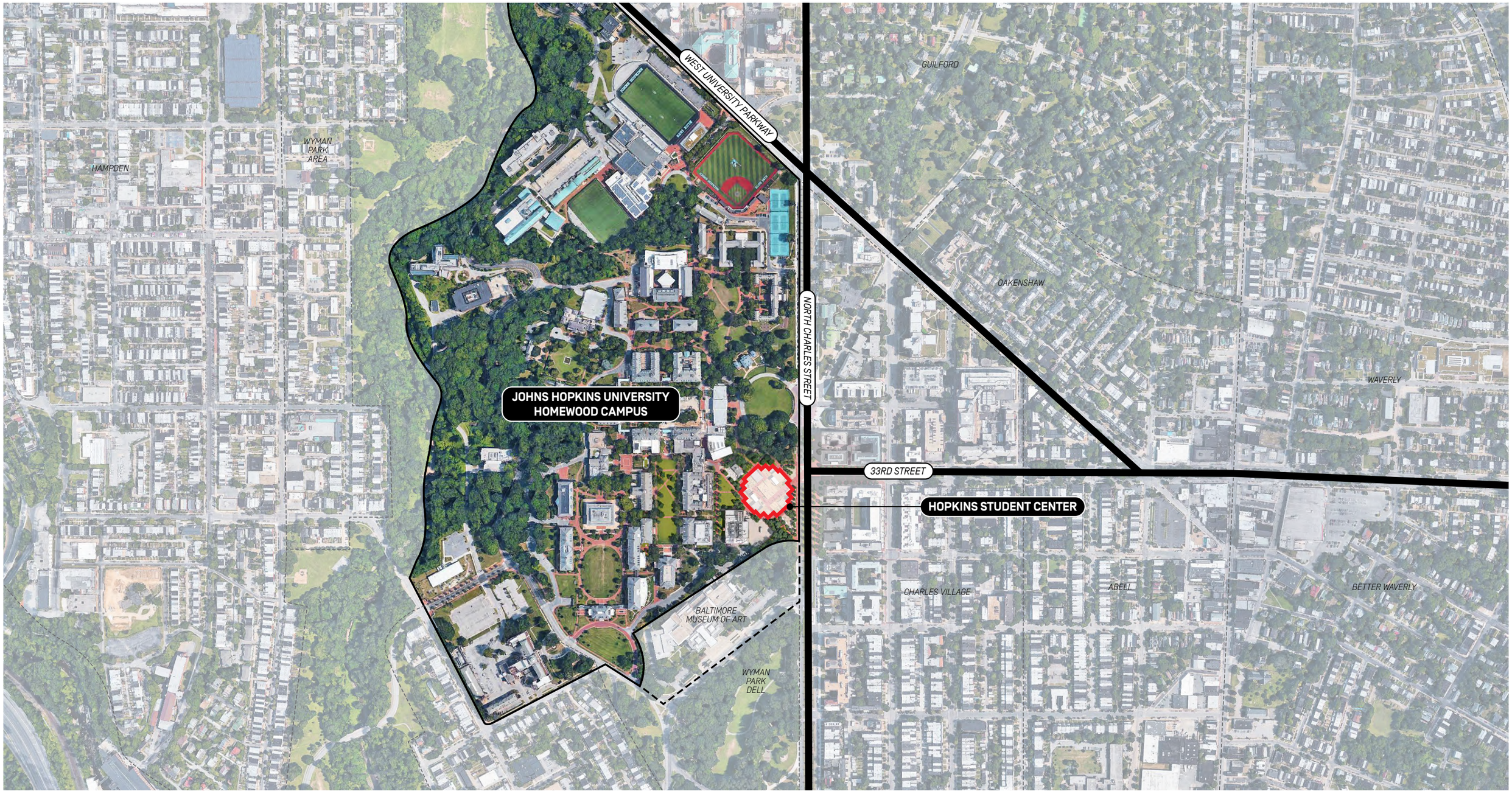
HARDWOOD

CHARLES VILLAGE

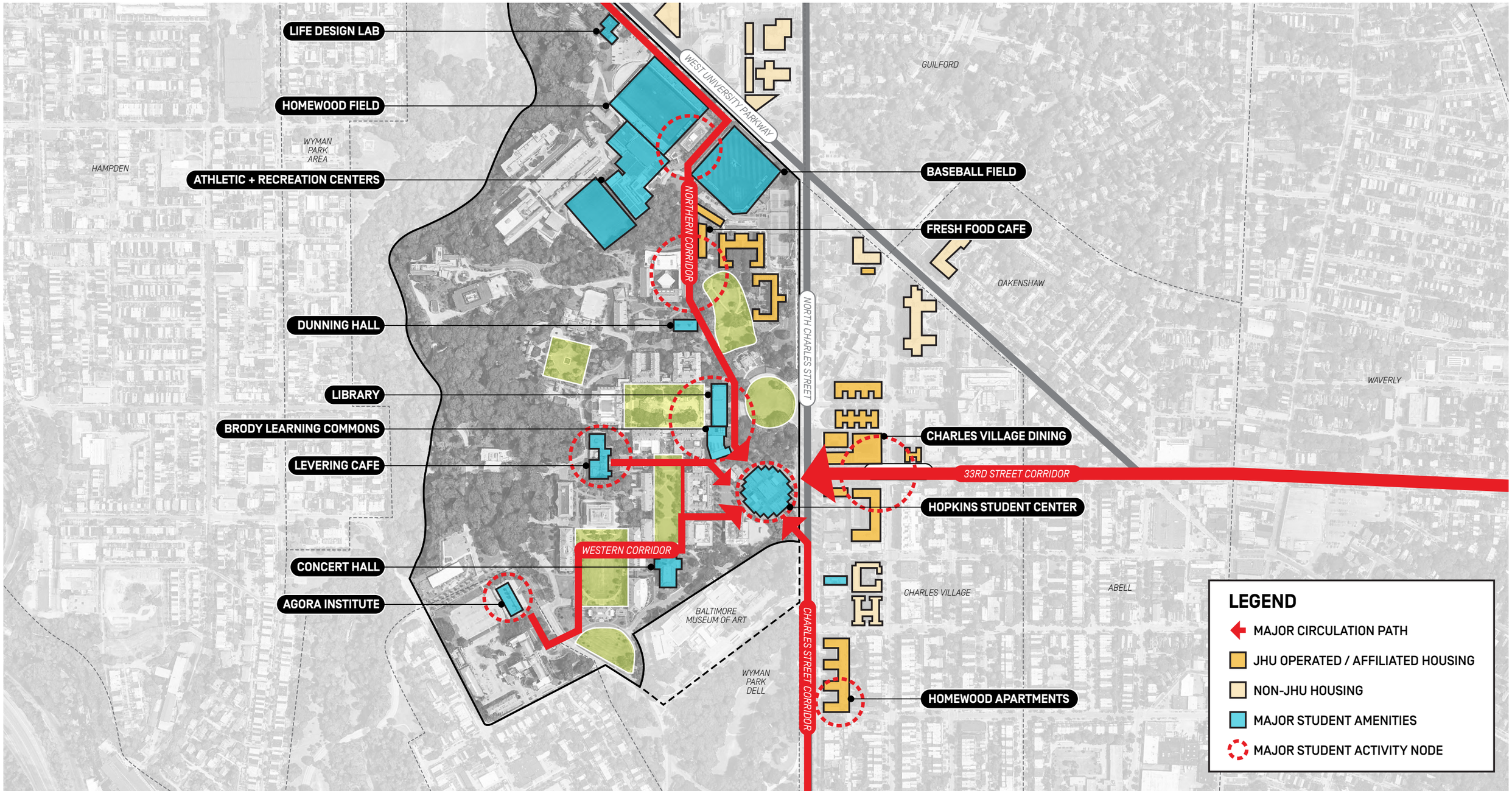
PROPOSED SITE & SURROUNDING NEIGHBORHOODS

SOUTHWEST AERIAL

SOUTHEAST AERIAL

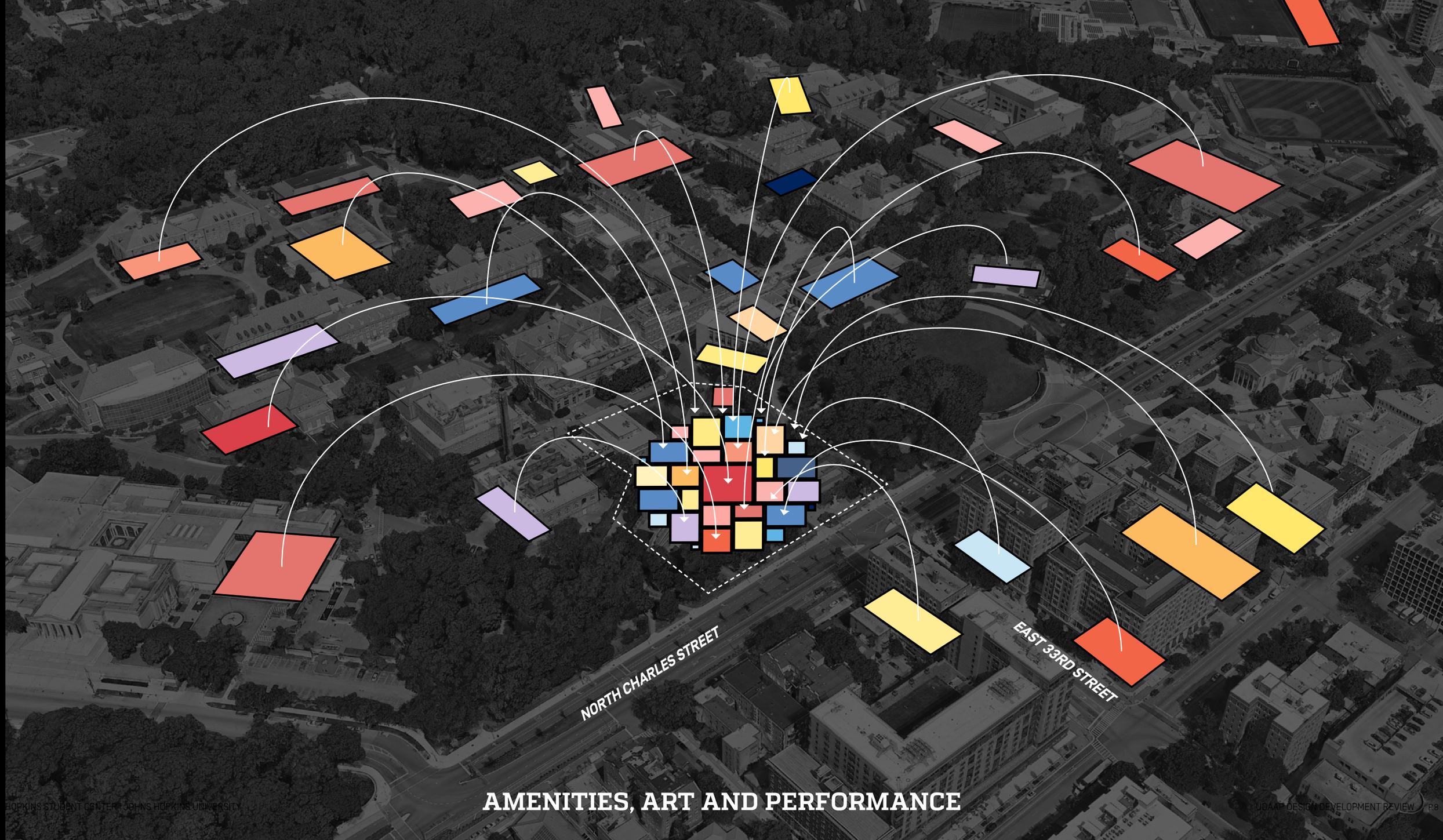


HOMEWOOD CAMPUS



MAJOR CIRCULATION CORRIDORS

NETWORK OF PATHS



AMENITIES, ART AND PERFORMANCE

THE VILLAGE

BIRDS EYE VIEW LOOKING WEST

FEEDBACK & DESIGN RESPONSE

NOTEWORTHY COMMENTS FROM UDAAP SCHEMATIC DESIGN MEETING (10/23/2020)

RELATING TO BUILDING:

- BUILDING FOOTPRINT CREATES A CRAMPED CONDITION ON THE SITE; ENTRY PLAZA AT 33RD AND CHARLES IS FUNDAMENTAL AS IS MOVING THROUGH THE SITE WITHOUT HAVING TO ENTER THE BUILDING.

- TOPOGRAPHY IS DEFTLY EMPLOYED IN RELATION TO THE BUILDING, BUT POSITIVE AND NEGATIVE SPATIAL RELATIONSHIPS ARE NOT RESPONDING AS WELL YET – NODE IS COMPLETELY FILLED BY BUILDING, FORCING FOOT TRAFFIC AROUND THE BUILDING. OPPORTUNITY TO REINFORCE THE STREET AND OPEN UP A WAY FOR PEDESTRIANS TO MOVE PAST THE BUILDING WITHOUT FORCING THEM THROUGH.

- HIERARCHY OF SPACES IS NOT YET RESOLVED IN THE READING ON THE EXTERIOR; REORGANIZING THE BUILDING WILL GIVE SOME RELIEF TO THE ADJACENCIES AND ALLOW FOR THE CLUSTERS TO READ MORE CLEARLY. RADIAL PATTERN SUGGESTS CENTRALIZATION, BUT THE BUILDING IS AT THE EDGE OF THE CAMPUS.

- BUILDING IS STILL VERY DIAGRAMMATIC – SPACES CAN BE FORMED TO RESPOND TO THE VARIETY OF CONDITIONS AROUZND THE EDGES. FORGET THE PROGRAM FOR A MOMENT AND LOOK AT HOW THE BUILDING CAN CONTRIBUTE TO ITS IMMEDIATE SURROUNDINGS; OPPORTUNITY FOR IT TO BECOME A TRUE CONNECTION AND DERIVE MEANING FROM THE SITE IN A MUCH MORE POWERFUL WAY.

- VILLAGE IDEA, DIVERSITY OF SPACES, ETC. ARE VERY STRONG DIAGRAMMATIC IDEAS BUT HAVE NOT YET BEEN RESOLVED IN THE BUILDING FORM AS DESIGNED.

NOTEWORTHY COMMENTS FROM UDAAP SCHEMATIC DESIGN MEETING (10/23/2020)

RELATING TO BUILDING EXTERIOR & SITE:

- BUILDING FACADES AND FORM ARE NOT YET RECOGNIZING OR RESPONDING TO THE VERY DIFFERENT CONDITIONS OF THE SITE. THE TEAM STATED A MAIN PROJECT GOAL OF THE BUILDING IS TO CREATE A WELCOMING GATEWAY FOR THE CAMPUS; EACH OF THE SIDES ADDRESSES THIS THROUGH HAVING EACH A PRIMARY AND SECONDARY ENTRANCE EVENLY DISTRIBUTED. THE FACADES ARE VISUALLY AND PHYSICALLY POROUS, BUT DO NOT DIFFERENTIATE FROM SIDE TO SIDE.

- ROTATING THE BUILDING DISENGAGES IT FROM CHARLES STREET AND FROM THE REST OF THE CAMPUS, AND RESULTS IN CHALLENGING RESIDUAL SPACES. THE BUILDING HAS BEEN CONCEIVED IN TERMS OF INTERNAL PROGRAMMING; NOW CONSIDER IT FROM THE OUTSIDE IN – CHANGE A ONE-WAY CONVERSATION TO TWO-WAY.

- BUILDING MASSING AND LANDSCAPE SPACES SEEM AUTONOMOUS – THEY FEEL DISCONNECTED. REVISIT HOW THE BUILDING AND SITE ARE INTERACTING WITH EACH OTHER AND WITH THE LARGER SITE. ATTEMPT TO CREATE A MASS WHICH GROWS FROM THE GROUND, RATHER THAN A MASS THAT APPEARS TO HAVE LANDED ON IT.

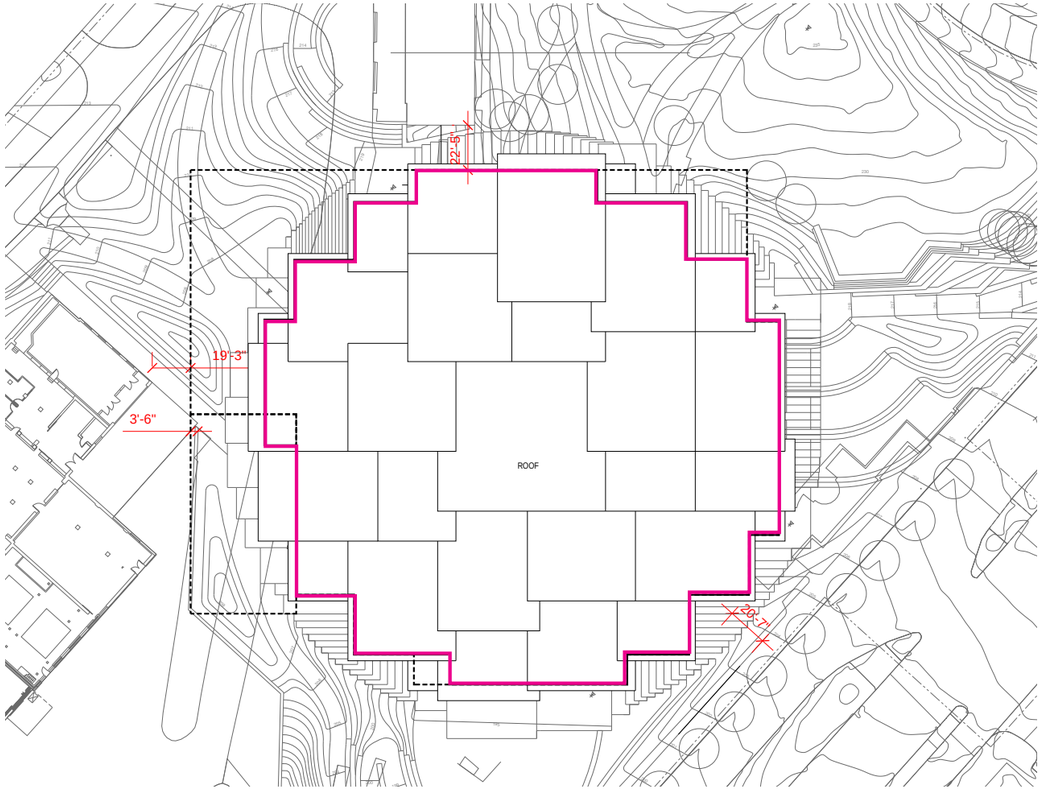
- TAKE IDEA AS POROSITY FURTHER THAN GLASS DOOR OR GLASS FAÇADE – BASE LEVEL OF INTERACTION. POROSITY IS CREATED BY SPACES THAT INVITE; LOGGIA OR COVERED AREAS WELCOME PEOPLE IN A MORE MEANINGFUL WAY. LOOKING FROM THE OUTSIDE IN CAN HELP INFORM HOW IT CONNECTS TO PLACE.

SCHEMATIC UDAAP CONSIDERATION:

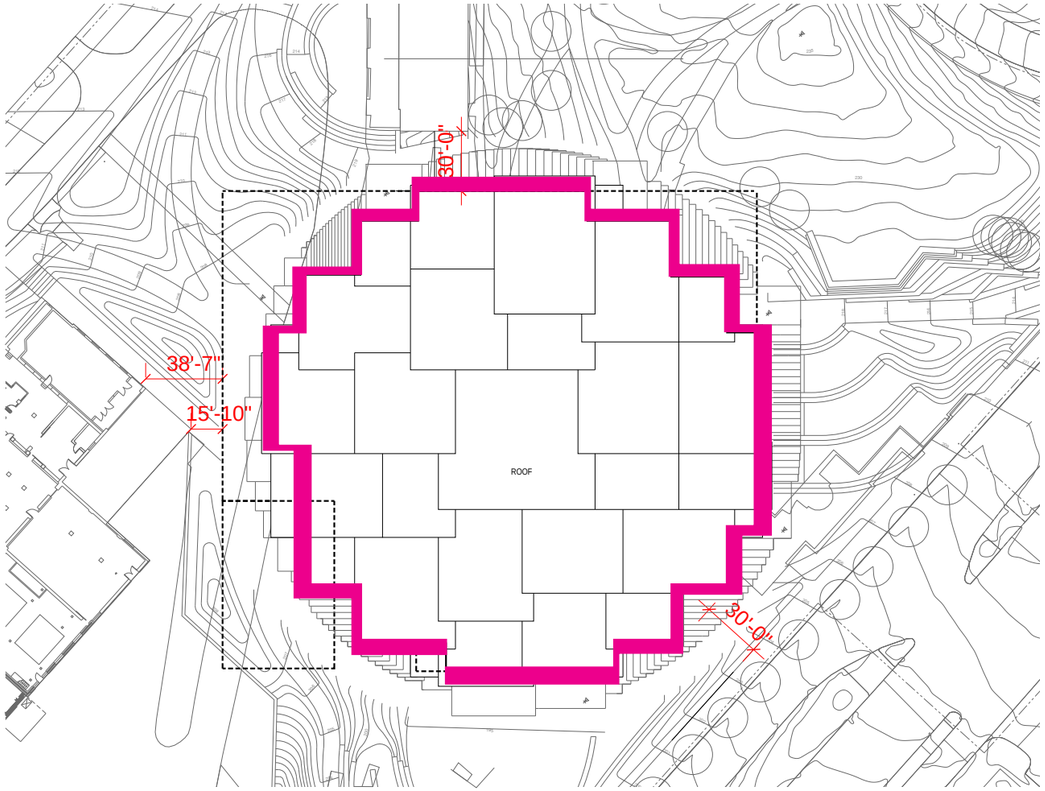
"BUILDING FOOTPRINT CREATES A CRAMPED CONDITION ON THE SITE; ENTRY PLAZA AT 33RD AND CHARLES IS FUNDAMENTAL AS IS MOVING THROUGH THE SITE WITHOUT HAVING TO ENTER THE BUILDING."

DESIGN RESPONSE:

IN RESPONSE TO CONCERNS ABOUT THE BUILDING'S SIZE IN RELATIONSHIP TO THE SURROUNDING SITE, THE TEAM ENGAGED IN A STUDY WHICH RESULTED IN AN AREA REDUCTION OF 18,000 SQ FT, AND REDUCTION OF FOOTPRINT BY APPROX. 10' ON ALL SIDES.



PREVIOUS BUILDING FOOTPRINT



CURRENT BUILDING FOOTPRINT

= DELETED BUILDING FOOTPRINT

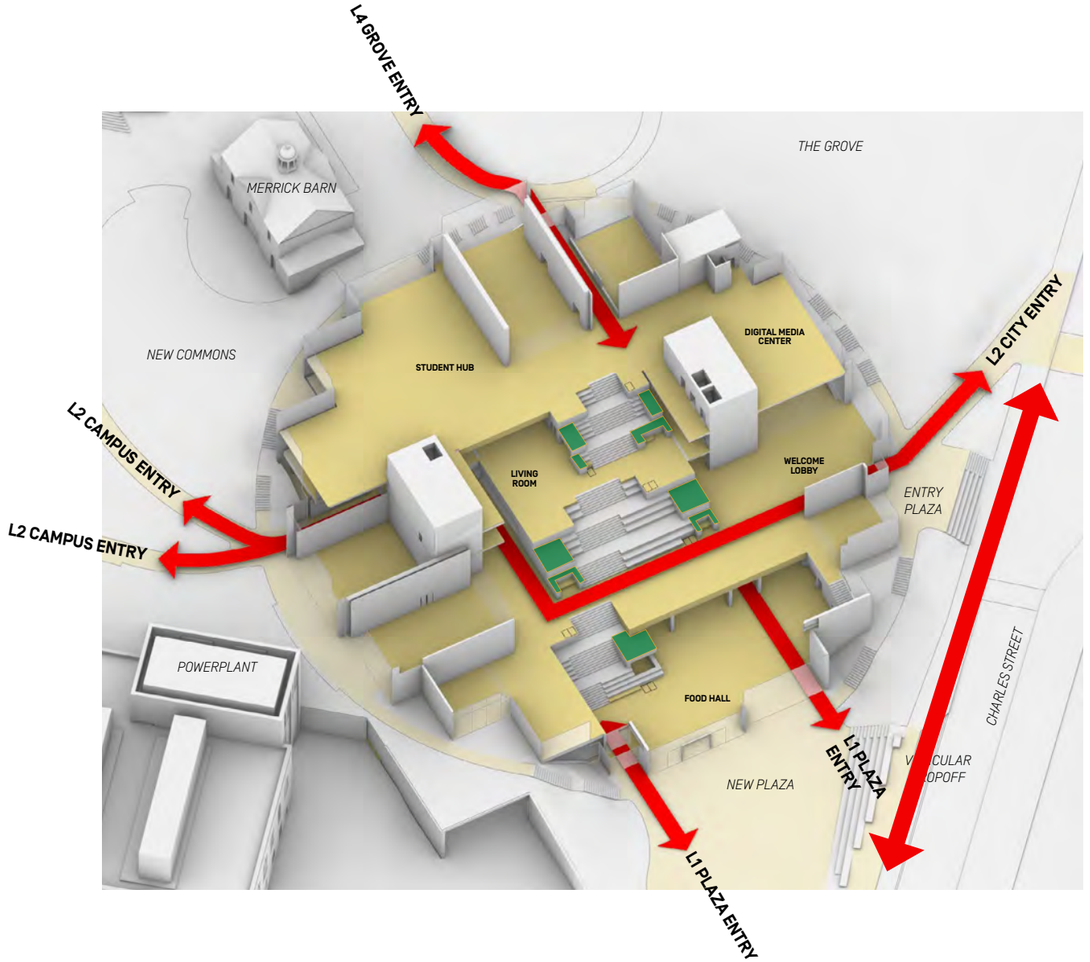
DESIGN RESPONSE | **CRAMPED SITE**

SCHEMATIC UDAAP CONSIDERATION:

TOPOGRAPHY IS DEFTLY EMPLOYED IN RELATION TO THE BUILDING, BUT POSITIVE AND NEGATIVE SPATIAL RELATIONSHIPS ARE NOT RESPONDING AS WELL YET – NODE IS COMPLETELY FILLED BY BUILDING, FORCING FOOT TRAFFIC AROUND THE BUILDING. OPPORTUNITY TO REINFORCE THE STREET AND OPEN UP A WAY FOR PEDESTRIANS TO MOVE PAST THE BUILDING WITHOUT FORCING THEM THROUGH.

DESIGN RESPONSE:

AS NOTED, THE BUILDING FOOTPRINT WAS REDUCED BY APPROXIMATELY 10' ON ALL SIDES PROVIDING MORE COMFORTABLE DISTANCES TO NEIGHBORING STRUCTURES, EXPANDING THE RESULTANT AND ADJACENT EXTERIOR SPACES, AND IMPROVING THE BUILDING'S RELATIONSHIP TO CHARLES STREET. FUNDAMENTAL TO THE DESIGN IS A BARRIER FREE ROUTE THAT BRINGS STUDENTS FROM CHARLES ST THROUGH TO CAMPUS. THE DESIGN HAS BEEN DEVELOPED TO ENSURE EASE OF ENTRY AT ALL LEVELS AND AT ALL SIDES OF THE BUILDING.



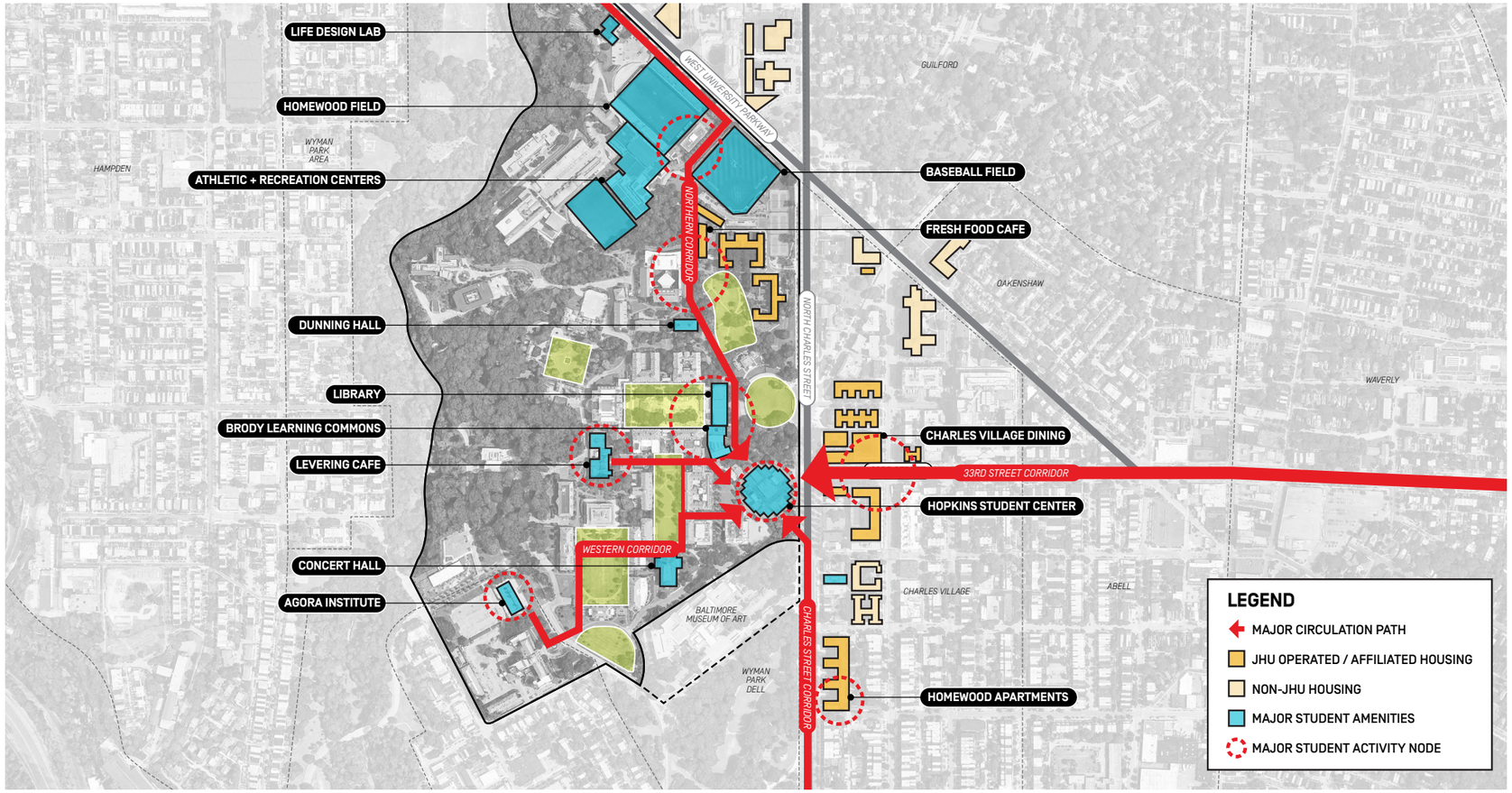
DESIGN RESPONSE | **FOOT TRAFFIC THROUGH AND AROUND BUILDING**

SCHEMATIC UDAAP CONSIDERATION:

"RADIAL PATTERN SUGGESTS CENTRALIZATION, BUT THE BUILDING IS AT THE EDGE OF THE CAMPUS."

DESIGN RESPONSE:

THE SITE OF THE NEW HSC BUILDING IS CENTRAL TO THE TEAM'S DESIGN RESPONSE WHICH CONCEIVES OF THE BUILDING AS A NEW "NODE" OR "CENTRAL HUB". WHILE IT IS THE CASE THAT THE BUILDING SITS AT THE EDGE OF THE HOMEWOOD CAMPUS PERIMETER, IT IS THE PRESENCE OF STUDENT LIFE OFF-CAMPUS, AND THE GROWING RELATIONSHIP WITH THE NEIGHBOURING COMMUNITY THAT CLARIFIED FOR THE DESIGN TEAM THE CENTRALITY OF THE SITE AND INFORMED THE RADIAL CONFIGURATION OF THE BUILDING.



DESIGN RESPONSE | **SITING IN LARGER CONTEXT**

SCHEMATIC UDAAP CONSIDERATION:

"BUILDING IS STILL VERY DIAGRAMMATIC – SPACES CAN BE FORMED TO RESPOND TO THE VARIETY OF CONDITIONS AROUND THE EDGES. FORGET THE PROGRAM FOR A MOMENT AND LOOK AT HOW THE BUILDING CAN CONTRIBUTE TO ITS IMMEDIATE SURROUNDINGS; OPPORTUNITY FOR IT TO BECOME A TRUE CONNECTION AND DERIVE MEANING FROM THE SITE IN A MUCH MORE POWERFUL WAY. "

DESIGN RESPONSE:

PROGRAM LOCATION THROUGHOUT THE BUILDING IS INFORMED BY NOT ONLY INTERIOR ADJACENCIES, BUT BY ITS POSITION RELATIVE TO THE SURROUNDING SITE. DAYLIGHT & VIEWS AND THEIR RELATIONSHIP TO PARTICULAR PROGRAMS ARE PRECISELY CONSIDERED IN THE DISTRIBUTION OF ROOMS WITHIN THE BUILDINGS -- IMPROVING FUNCTIONALITY AND BENEFITING USER EXPERIENCE.

AT THE SAME TIME, THE ACTIVITY WITHIN THE BUILDING WAS THOUGHT OF AS AN ACTIVATOR TO THE SURROUNDING SITE, ANIMATING AND ENLIVENING THE FACADE.

VIEW FROM SIGNATURE MULTIPURPOSE ROOM

VIEW FROM CREATIVE MULTIPURPOSE ROOM

VIEW LOOKING INTO LARGE MULTIPURPOSE ROOM

DESIGN RESPONSE | **PROGRAM RELATIONSHIP TO EXTERIOR**

SCHEMATIC UDAAP CONSIDERATION:

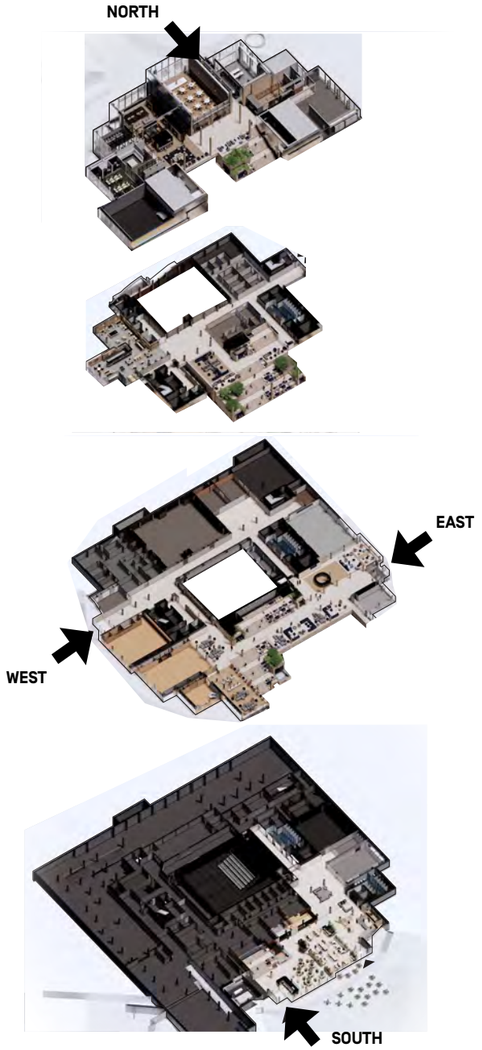
"BUILDING FACADES AND FORM ARE NOT YET RECOGNIZING OR RESPONDING TO THE VERY DIFFERENT CONDITIONS OF THE SITE. THE TEAM STATED A MAIN PROJECT GOAL OF THE BUILDING IS TO CREATE A WELCOMING GATEWAY FOR THE CAMPUS; EACH OF THE SIDES ADDRESSES THIS THROUGH HAVING EACH A PRIMARY AND SECONDARY ENTRANCE EVENLY DISTRIBUTED. THE FACADES ARE VISUALLY AND PHYSICALLY POROUS, BUT DO NOT DIFFERENTIATE FROM SIDE TO SIDE."

DESIGN RESPONSE:

THE TEAM CONSIDERED NOT ONLY THE PROGRAM ADJACENT TO THE ENTRY BUT THE NATURE OF THE SURROUNDING SITE TO ENSURE THAT EACH MAIN ENTRY FELT UNIQUE AND DIFFERENTIATED FROM ONE ANOTHER.

NORTH ENTRY

WEST ENTRY



EAST ENTRY

SOUTH ENTRY

DESIGN RESPONSE | **FACADE/ENTRY DESIGN IN RESPONSE TO SITE**

SCHEMATIC UDAAP CONSIDERATION:

"ROTATING THE BUILDING DISENGAGES IT FROM CHARLES STREET AND FROM THE REST OF THE CAMPUS, AND RESULTS IN CHALLENGING RESIDUAL SPACES. THE BUILDING HAS BEEN CONCEIVED IN TERMS OF INTERNAL PROGRAMMING; NOW CONSIDER IT FROM THE OUTSIDE IN – CHANGE A ONE-WAY CONVERSATION TO TWO-WAY."

"BUILDING MASSING AND LANDSCAPE SPACES SEEM AUTONOMOUS – THEY FEEL DISCONNECTED. REVISIT HOW THE BUILDING AND SITE ARE INTERACTING WITH EACH OTHER AND WITH THE LARGER SITE. ATTEMPT TO CREATE A MASS WHICH GROWS FROM THE GROUND, RATHER THAN A MASS THAT APPEARS TO HAVE LANDED ON IT."

DESIGN RESPONSE:

THE ROTATED ORIENTATION OF THE HSC BUILDING ACTIVATES CHARLES ST BY ENGAGING FOOT TRAFFIC COMING FROM THE NORTH AND FROM THE SOUTH. FROM THE INTERIOR, THESE GLAZED CORNER CONDITIONS ALLOWS FOR A UNIQUE VANTAGE POINT RELATIVE TO THE STREET.

SCHEMATIC UDAAP CONSIDERATION:

"TAKE IDEA AS POROSITY FURTHER THAN GLASS DOOR OR GLASS FAÇADE – BASE LEVEL OF INTERACTION. POROSITY IS CREATED BY SPACES THAT INVITE; LOGGIA OR COVERED AREAS WELCOME PEOPLE IN A MORE MEANINGFUL WAY. LOOKING FROM THE OUTSIDE IN CAN HELP INFORM HOW IAT CONNECTS TO PLACE."

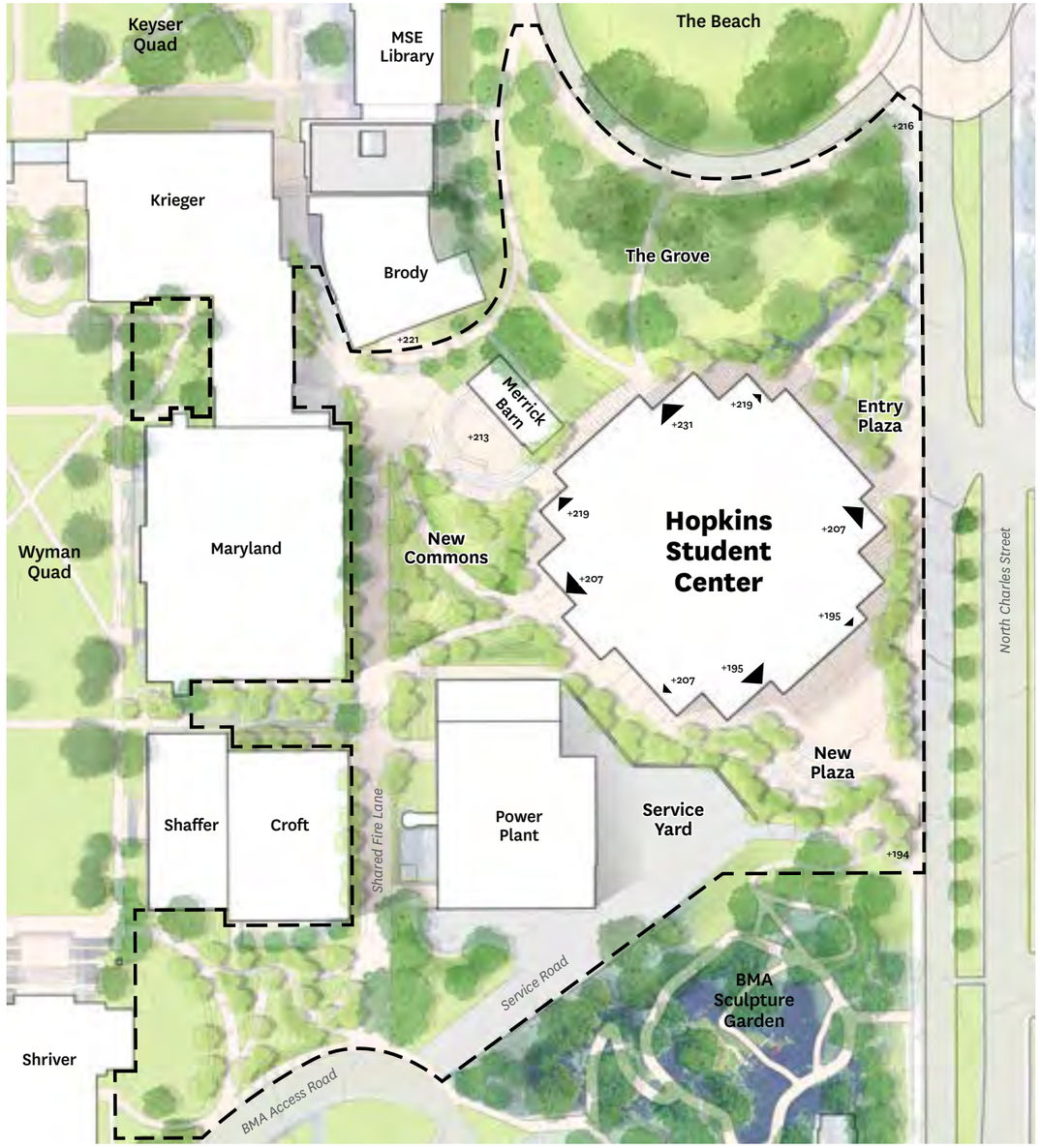
DESIGN RESPONSE:

THE DESIGN TEAM EXPANDED ON THE NOTION OF POROSITY IN A NUMBER OF WAYS INCLUDING: EXTENDING OVERHANGS TO CREATE EXTERIOR SPACES THAT ARE STILL PROTECTED BY THE BUILDING STRUCTURE, AS WELL AS CREATING LARGE OPERABLE PARTITIONS AT THE FACADE AT THE DINING HALL.

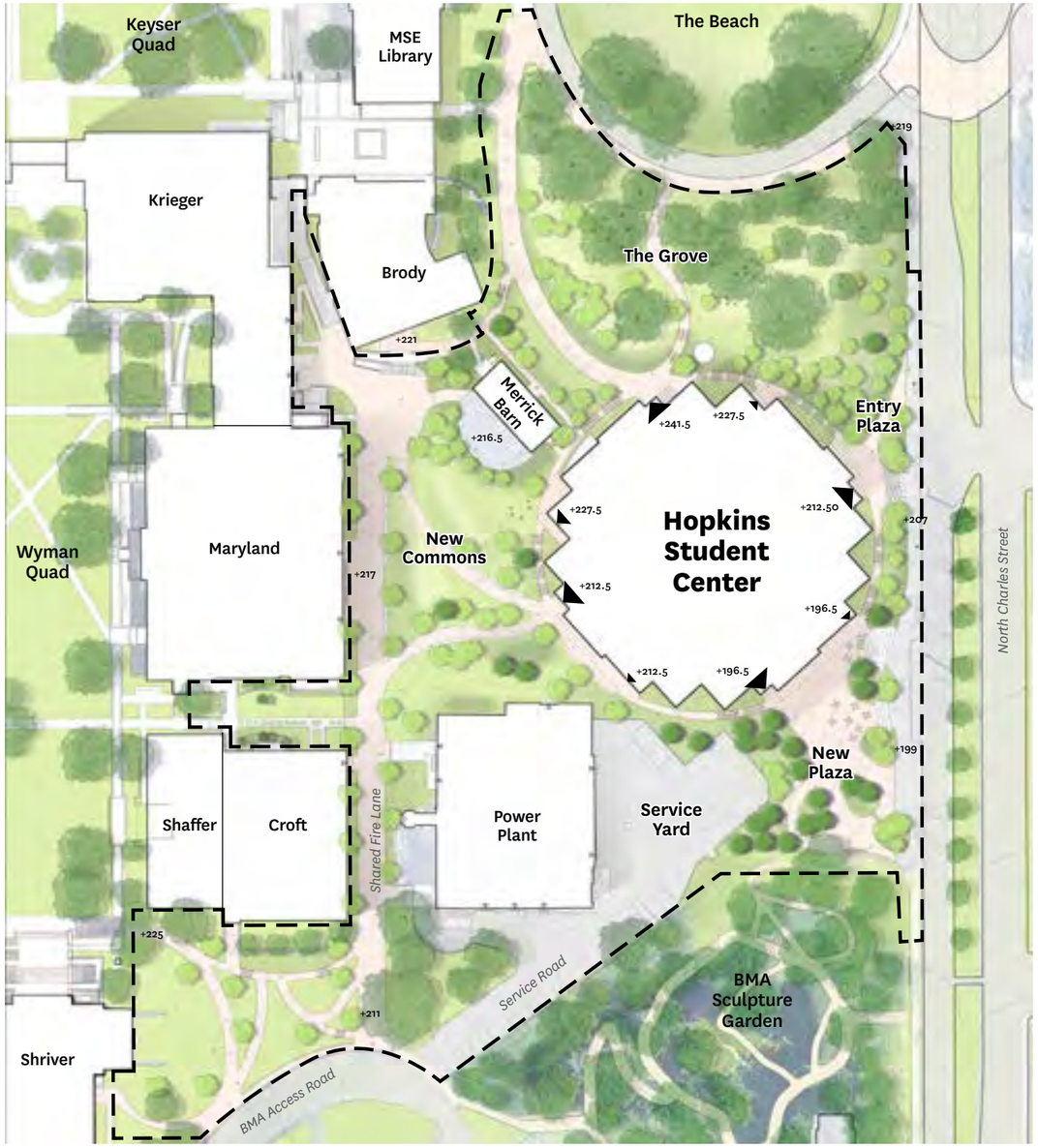
DESIGN RESPONSE | **FACADE/ENTRY DESIGN IN RESPONSE TO SITE**

LANDSCAPE

SCHEMATIC DESIGN PLAN

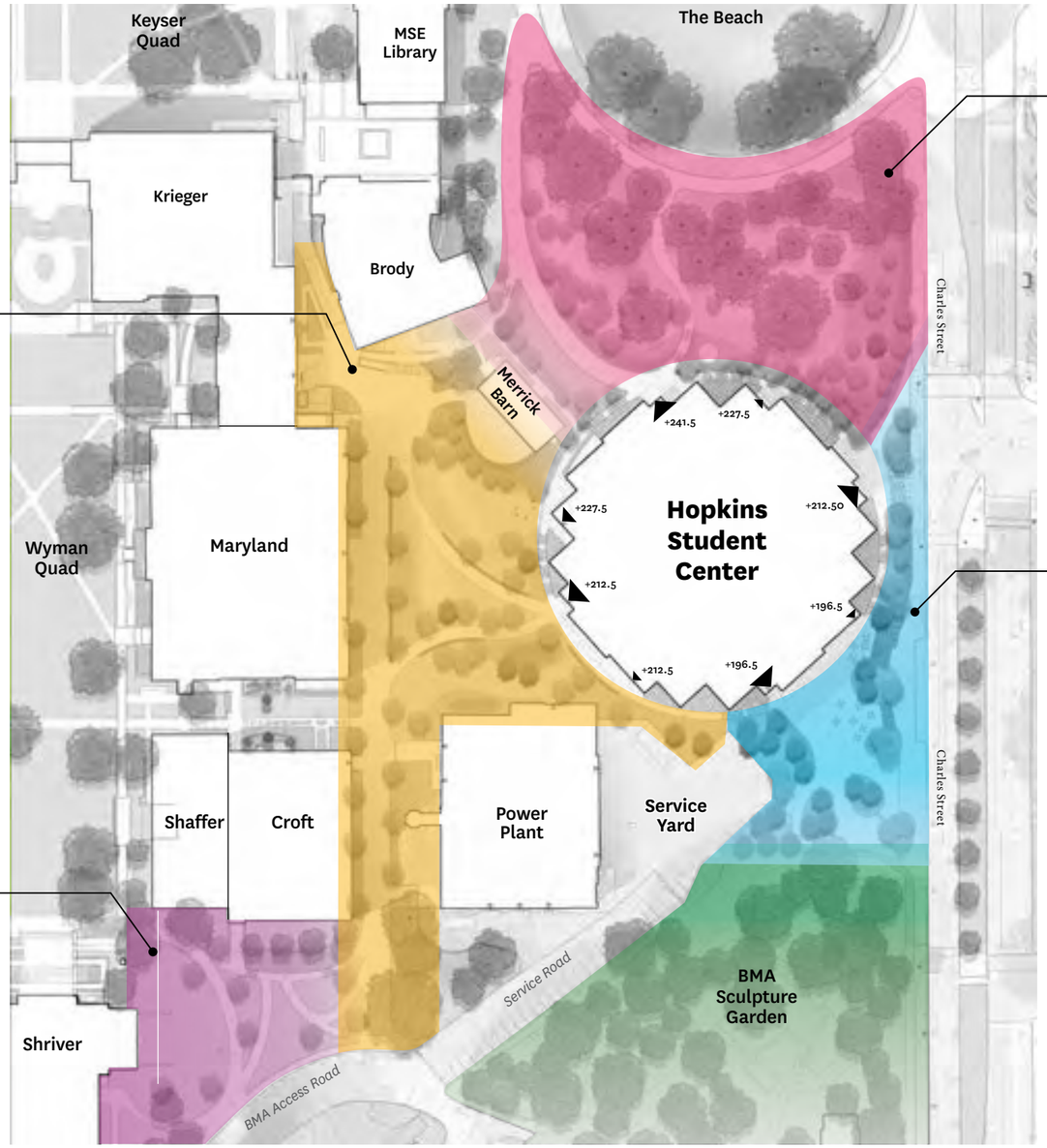


DESIGN DEVELOPMENT PLAN



0 80’ 160’

STUDENT CENTER LANDSCAPES



The Grove

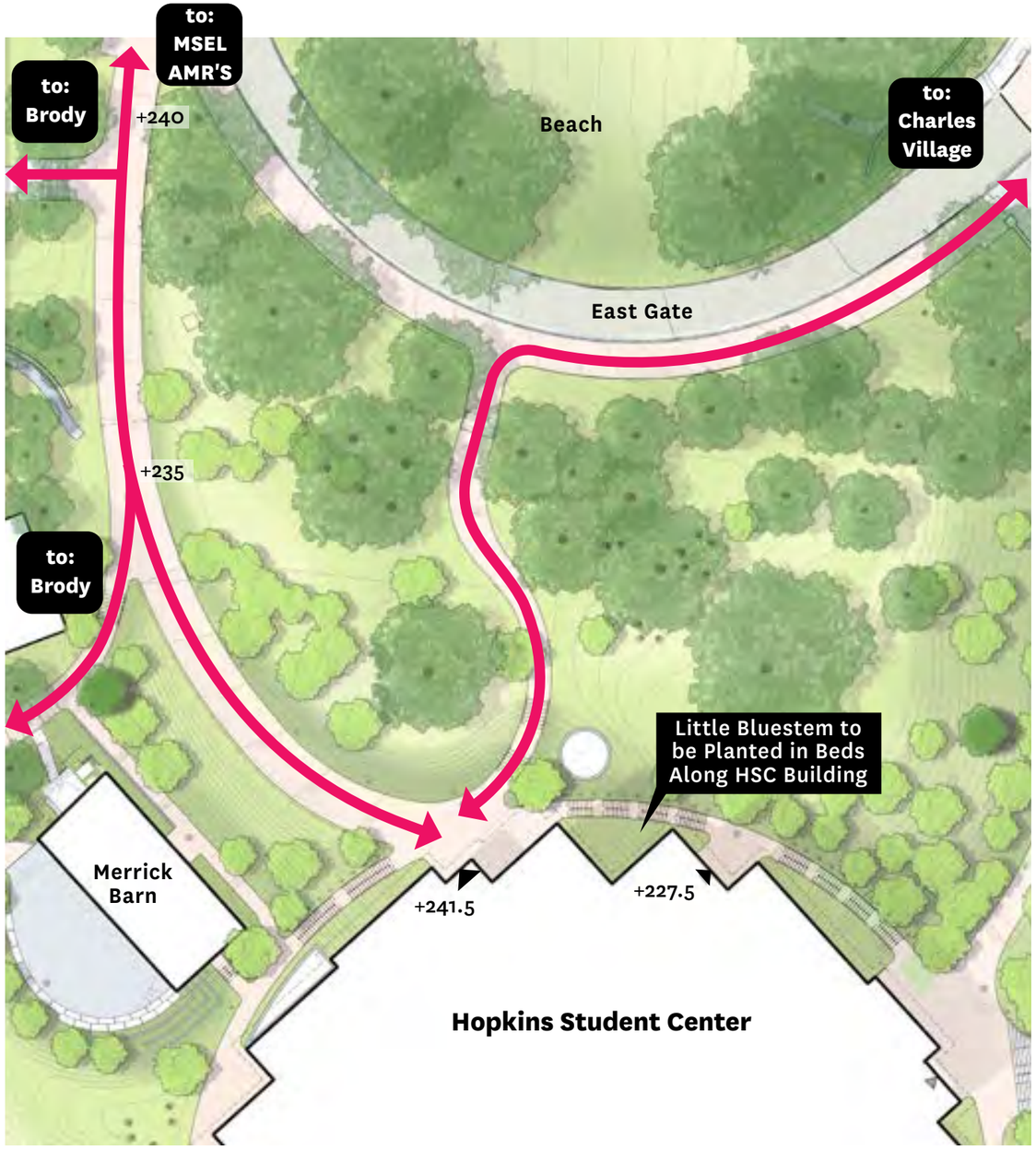
New Commons

Main Entrance

Croft South

0 80’ 160’

THE GROVE: HERITAGE LANDSCAPE AND CAMPUS CONNECTOR



Canopy Trees

Cladrastis kentukea
Yellowwood

Carya ovata
Shagbark Hickory

Quercus muehlenbergii
Chinkapin Oak

Gymnocladus dioicus
Kentucky Coffee Tree

Understory Trees

Cercis canadensis
Eastern Redbud

Cornus florida
Flowering Dogwood

Shrubs and Groundcover

Schizachyrium scoparium
Little Bluestem

Carex pensylvanica
Pennsylvania Sedge

Carex rosea
Rosy Sedge

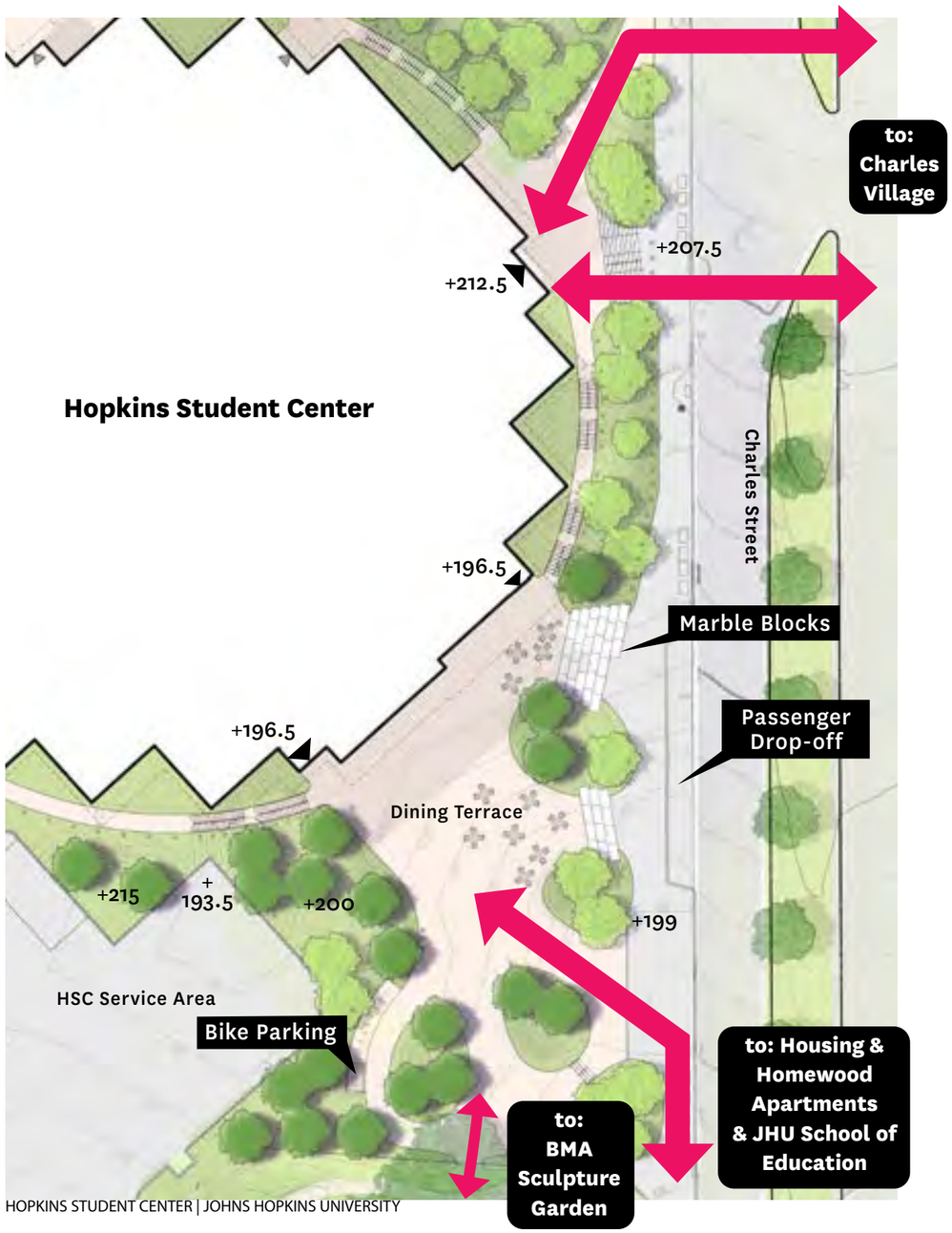
Chasmanthium latifolium
Indian Woodoats

Itea virginica 'Spritch'
Virginia sweetspire

Fothergilla 'Mount Airy'
Dwarf Fothergilla

0 40' 80'

MAIN ENTRANCE: PLAZA AND DINING TERRACE




Marble Blocks


Concrete Sidewalk


JHU Brick Pavement

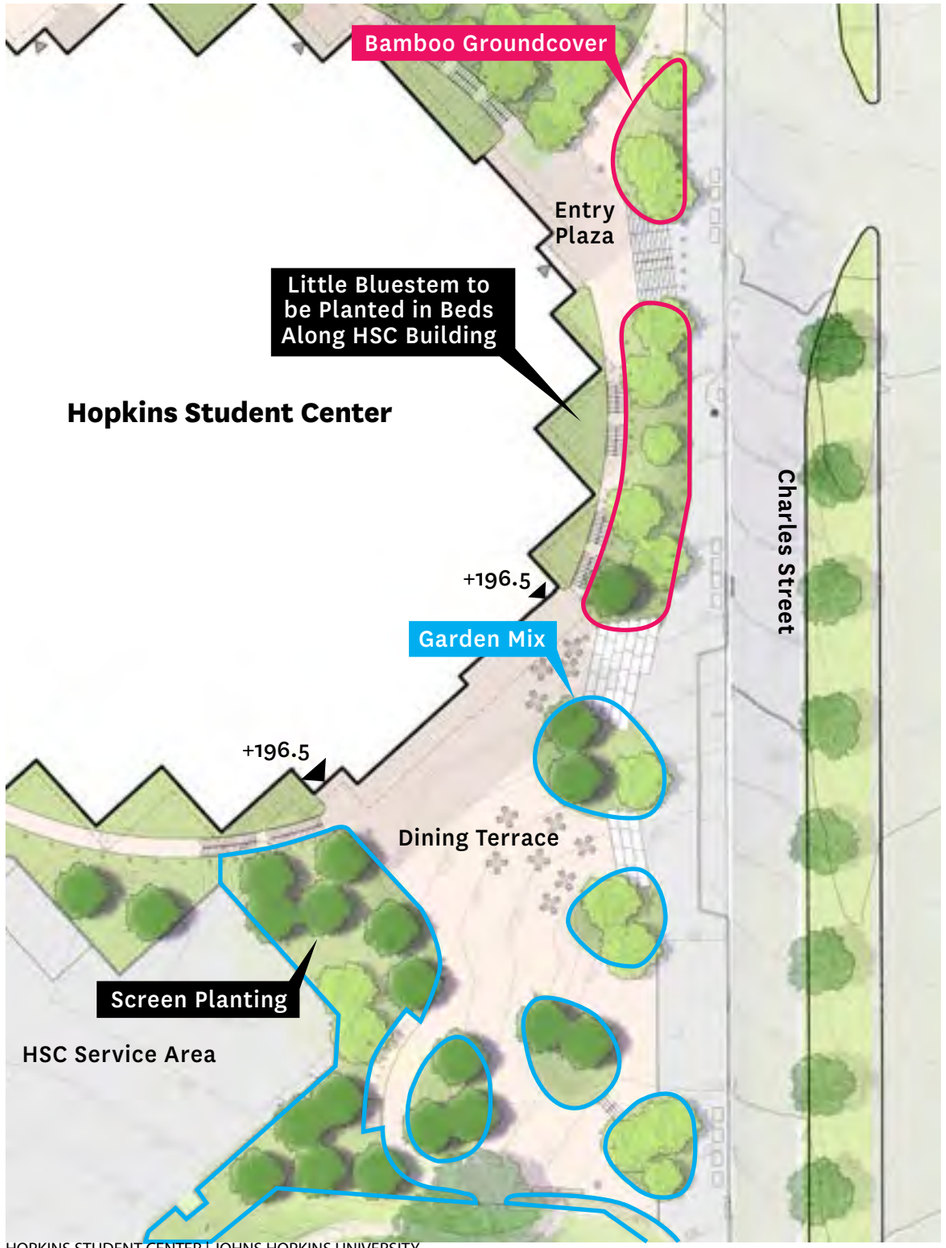

Movable Tables and Chairs


Johns Hopkins Bench


Bike Parking

0 40’ 80’

MAIN ENTRANCE: FEATHERY CYPRESS TREES AND BROADLEAF EVERGREENS



Entry Plaza and Dining Terrace Trees

Gymnocladus dioicus
Kentucky Coffee Tree

Taxodium distichum
Bald Cypress

Cercis canadensis
Eastern Redbud

Entry Plaza and Dining Terrace Shrubs and Groundcover

Sasa tsuboiana
Pygmy Bamboo

Pachysandra terminalis
Pachysandra

Polysticum acrostichoides
Christmas Fern

Rhododendron 'Roseum Elegans'
Roseum Elegans Rhododendron

Service Area Screening Species

Taxodium distichum
Bald Cypress

Cryptomeria japonica
Japanese Cedar

Ilex opaca
American Holly

Ilex meservae
Blue Holly

0 40' 80'

NEW PLAZA

Cryptomeria japonica
Japanese Cedar

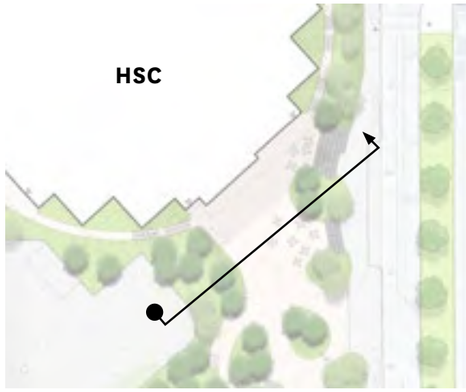
Taxodium distichum
Bald Cypress

Ilex opaca
American Holly

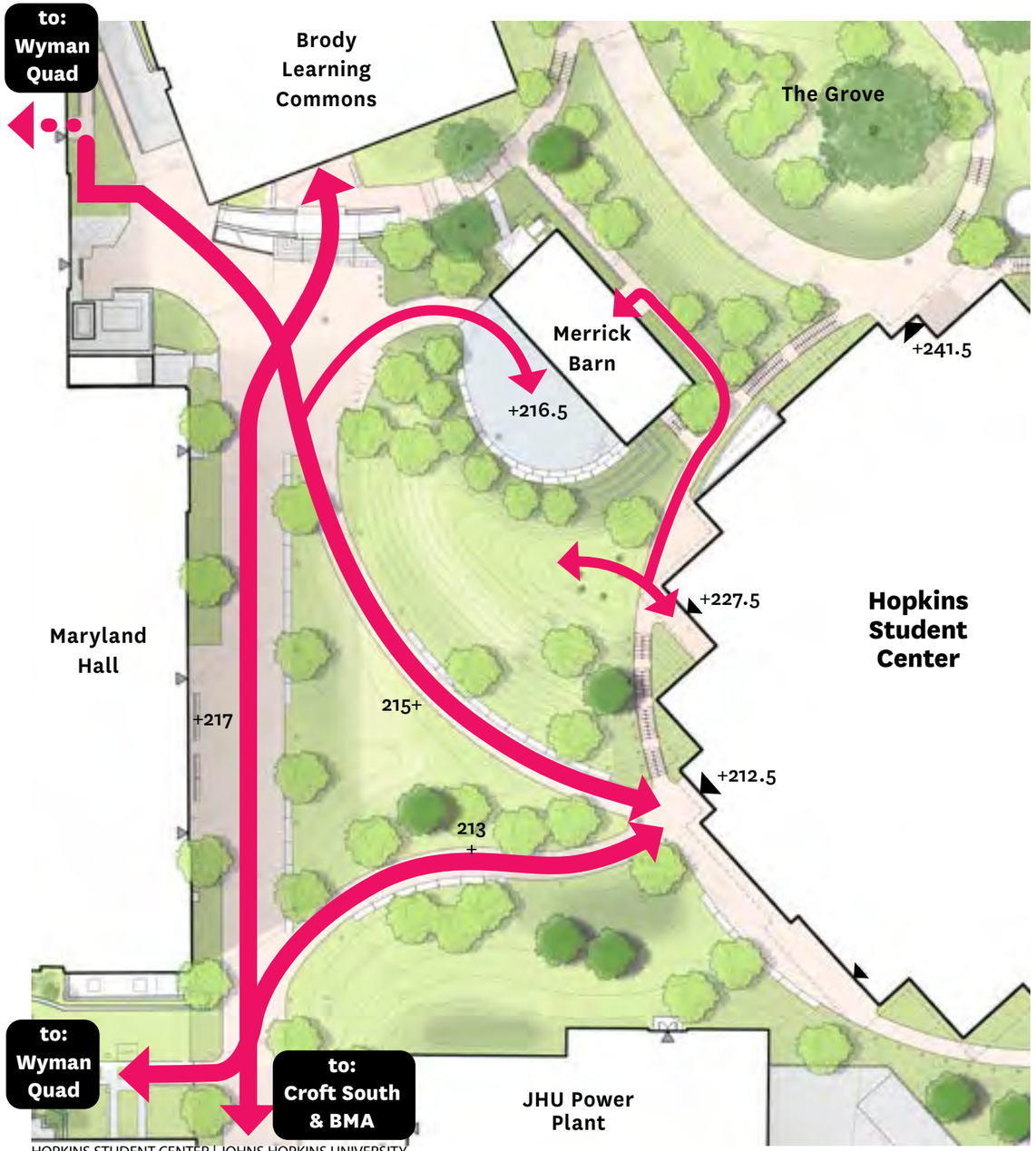
Ilex meservae
Blue Holly

Itea virginica 'Spritch'
Virginia sweetspire

Rhododendron 'Roseum Elegans'
Roseum Elegans Rhododendron



NEW COMMONS



Marble Blocks

JHU Brick Pavement

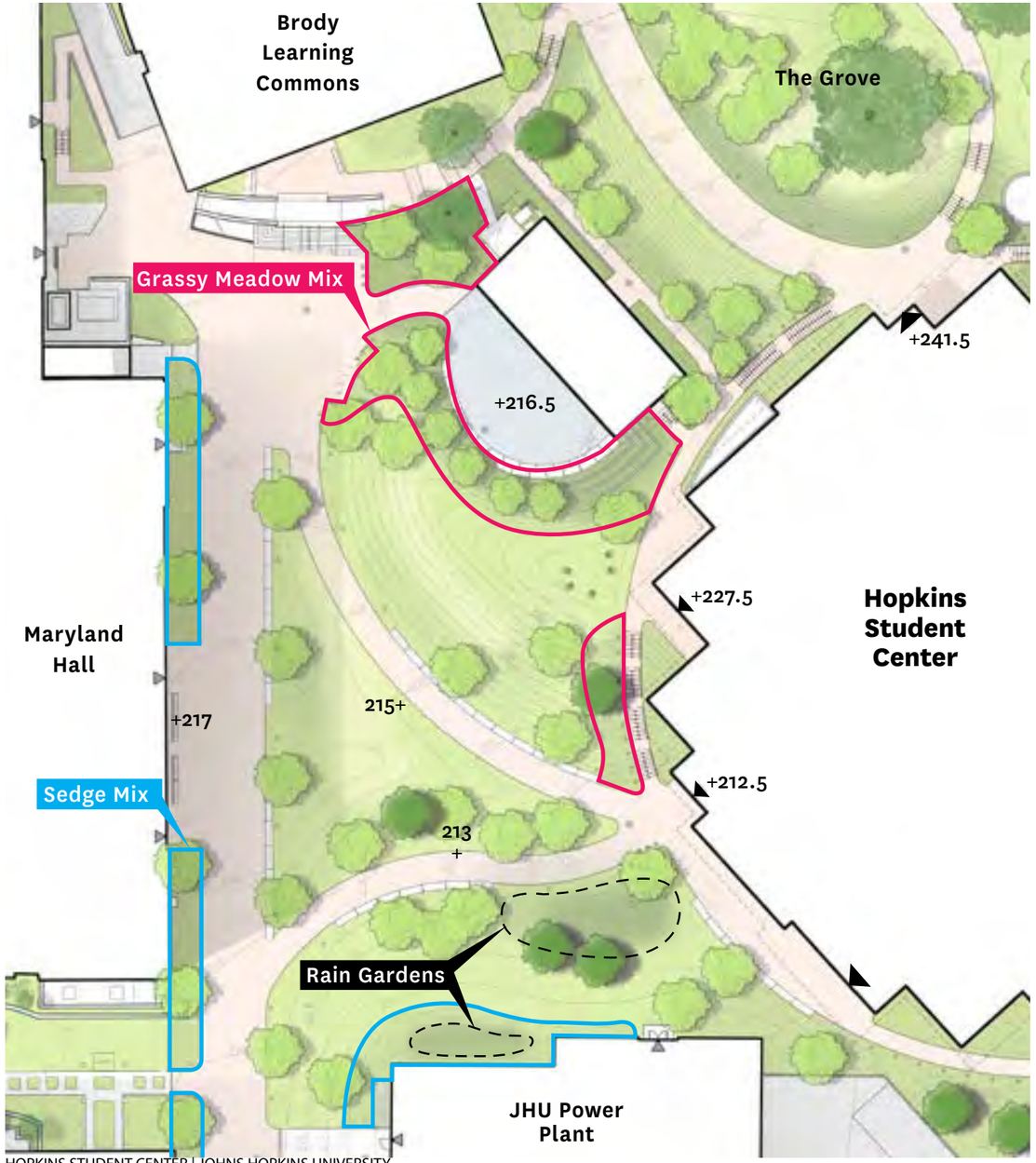
Movable Furnishings

Johns Hopkins Bench

Bike Parking

0 40’ 80’

NEW COMMONS: SLOPING LAWN WITH HIGH CANOPY SHADE TREES



Canopy and Understory Trees

Ginkgo biloba
Ginkgo

Magnolia grandiflora
Southern Magnolia

Quercus phellos
Willow Oak

Amelanchier 'Autumn Brilliance'
Autumn Brilliance Serviceberry

Grassy Meadow Mix

Schizachyrium scoparium 'Carousel'
Carousel Little Bluestem

Sesleria autumnalis
Autumn Moor Grass

Sporobolus heterolepis
Prairie Dropseed

Dianthus carthusianorum
Clusterhead Pink

Sedge Mix

Iris cristata
Crested Iris

Carex laxiculmis 'Blue Bunny'
Blue Bunny Sedge

Carex plantaginea
Seersucker Sedge

Carex rosea
Rosy Sedge

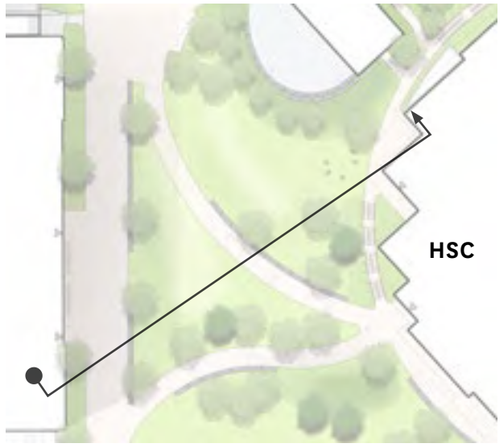
0 40' 80'

NEW COMMONS

Ginkgo biloba
Ginkgo

Magnolia grandiflora
Southern Magnolia

Quercus phellos
Willow Oak



Carex laxiculmis 'Blue Bunny'
Blue Bunny Sedge

Carex plantaginea
Seersucker Sedge

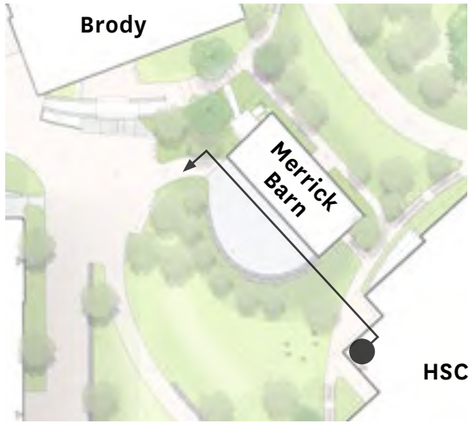
Carex rosea
Rosy Sedge

MERRICK BARN PLAZA

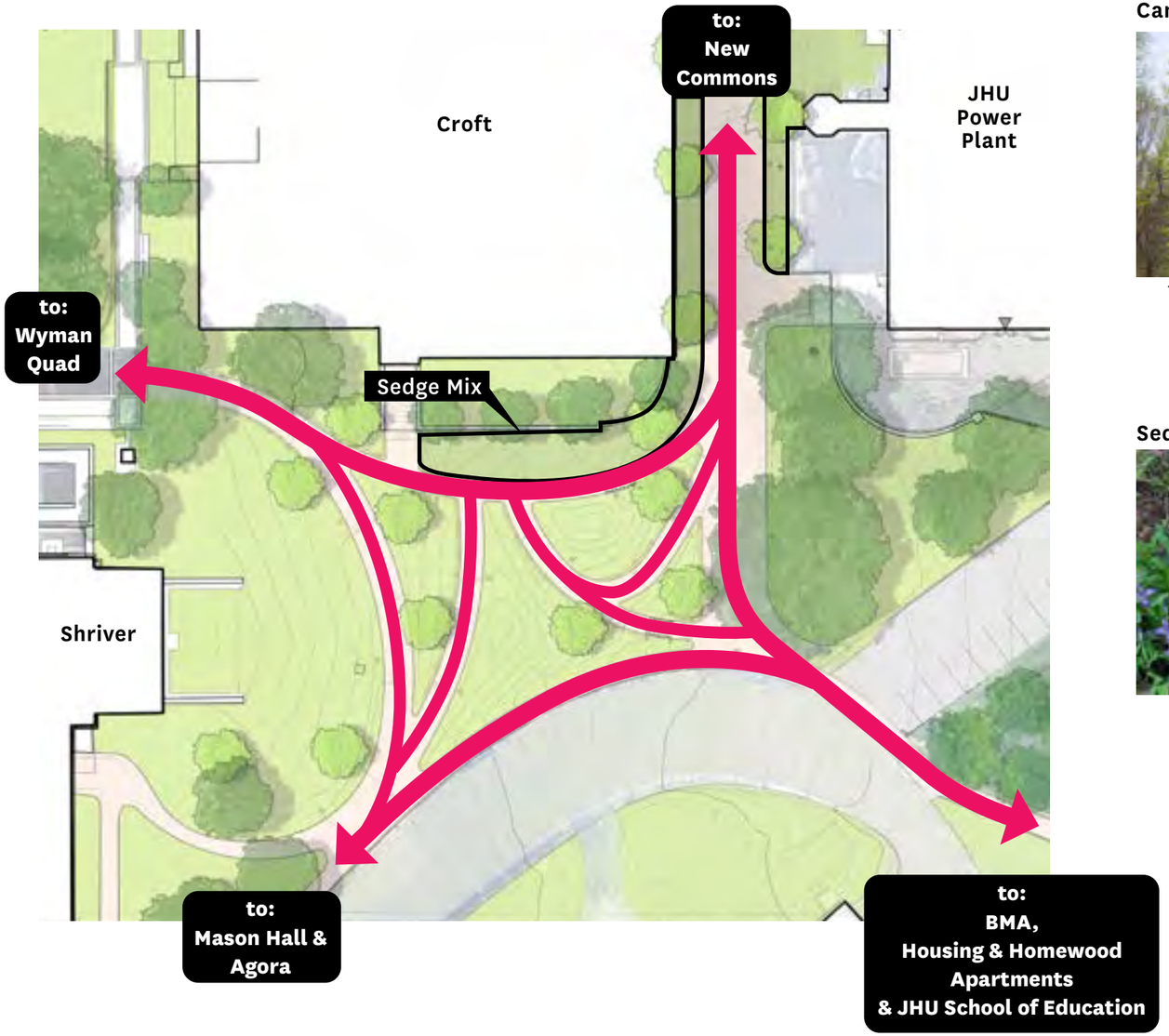
Amelanchier ‘Autumn Brilliance’
Autumn Brilliance Serviceberry

Forsythia suspensa
Weeping Forsythia

Marble Blocks



CROFT SOUTH



Canopy Trees

Tilia americana 'McKinstry'
American Sentry Linden

Quercus alba
White Oak

Quercus bicolor
Swamp White Oak

Quercus phellos
Willow Oak

Sedge Mix

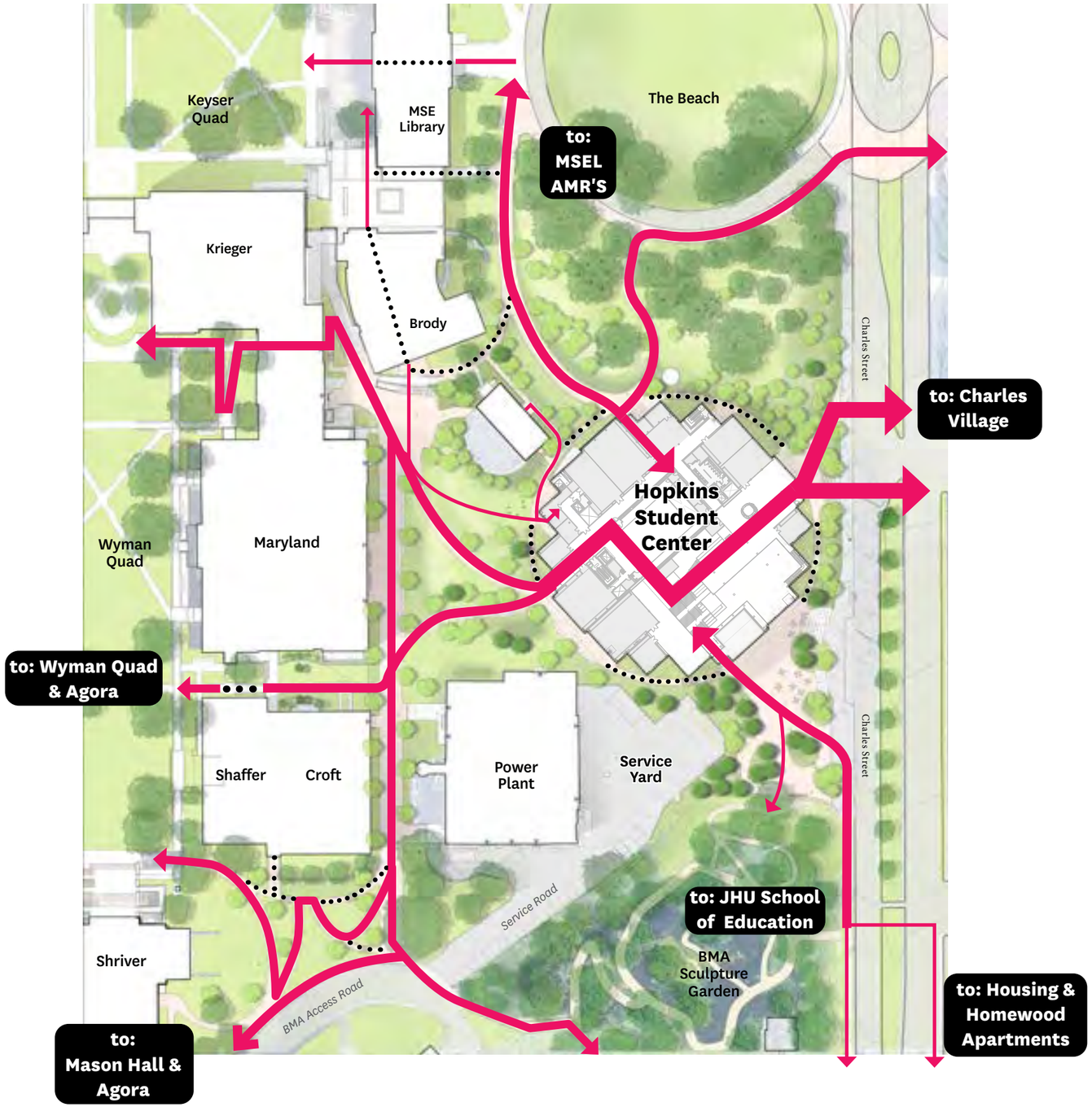
Iris cristata
Crested Iris

Carex laxiculmis 'Blue Bunny'
Blue Bunny Sedge

Carex plantaginea
Seersucker Sedge

Carex rosea
Rosy Sedge

0 40' 80'


Keyser Quad
MSE Library
The Beach
to: MSEL AMR'S
Krieger
Brody
Charles Street
to: Charles Village
Hopkins Student Center
Wyman Quad
Maryland
to: Wyman Quad & Agora
Shaffer
Croft
Power Plant
Service Yard
Charles Street
Service Road
to: JHU School of Education
BMA Sculpture Garden
Shriver
BMA Access Road
to: Housing & Homewood Apartments
to: Mason Hall & Agora

JOHNS HOPKINS
UNIVERSITY

SHEPLEY BULFINCH

rockwellgroup

MICHAEL VAN VALKENBURGH ASSOCIATES INC

Knippers Helbig
Advanced Engineering

wsp

Thornton Tomasetti

WRA

CLARK
CONSTRUCTION