

**DEPARTMENT of  
HOMELAND SECURITY**

# **G** **GATE** **1**

**Garage & Site Development Efforts**

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**ZGF OLIN**

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1

# BACKGROUND & CONTEXT

# 2008 MASTER PLAN AMENDMENT 2 (2020)



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# CAMPUS AERIAL VIEW



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# GATE 1



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# EXISTING SITE PHOTOS



1 GATE 1 VIEW FROM MLK JR. AVE



2 GATE 1 GATE HOUSE



3 SITE LOOKING NORTH



4 GREENHOUSE



5 VIEW TO MONUMENT



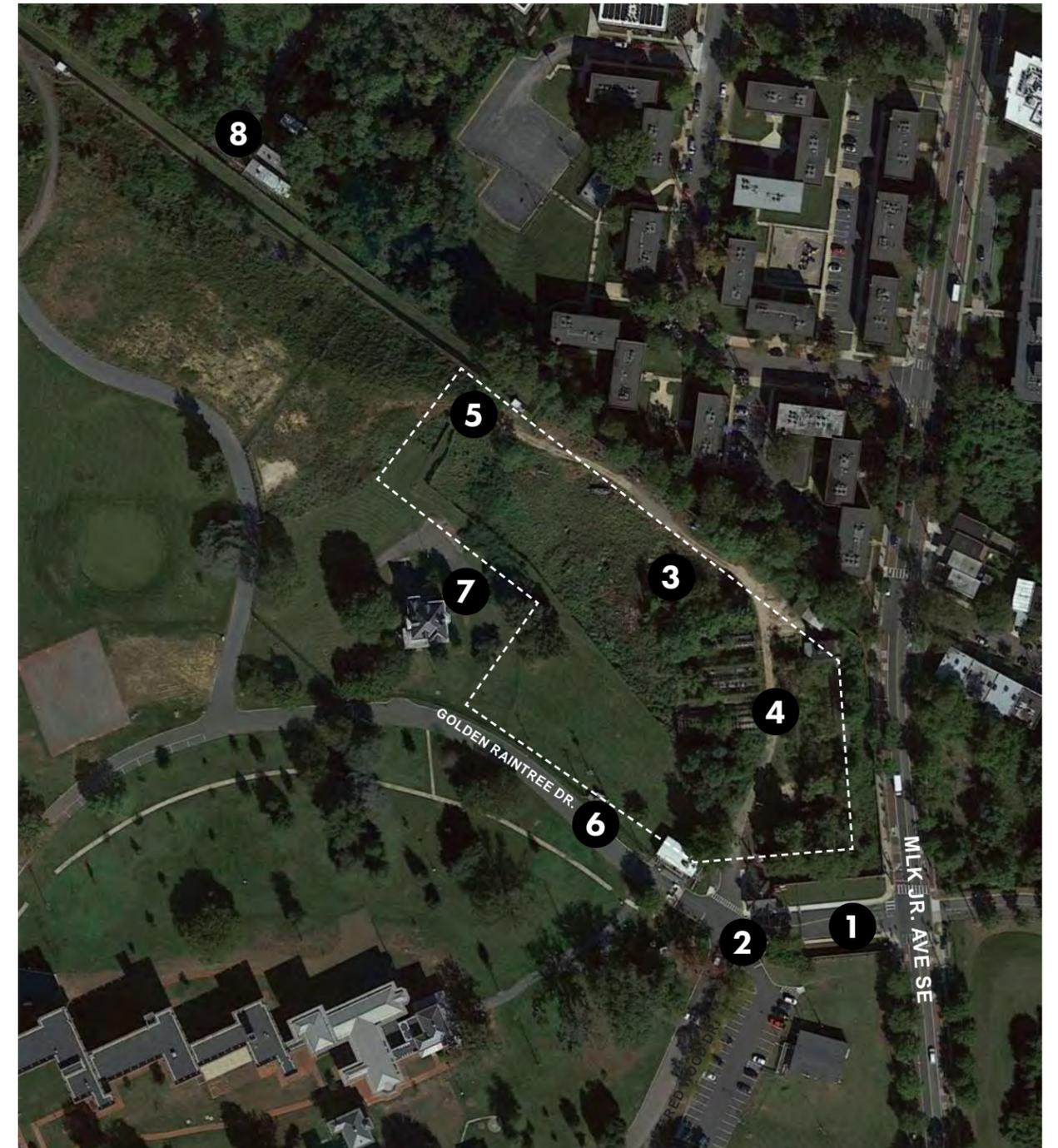
6 GOLDEN RAIN TREE DRIVE



7 BURROUGHS COTTAGE

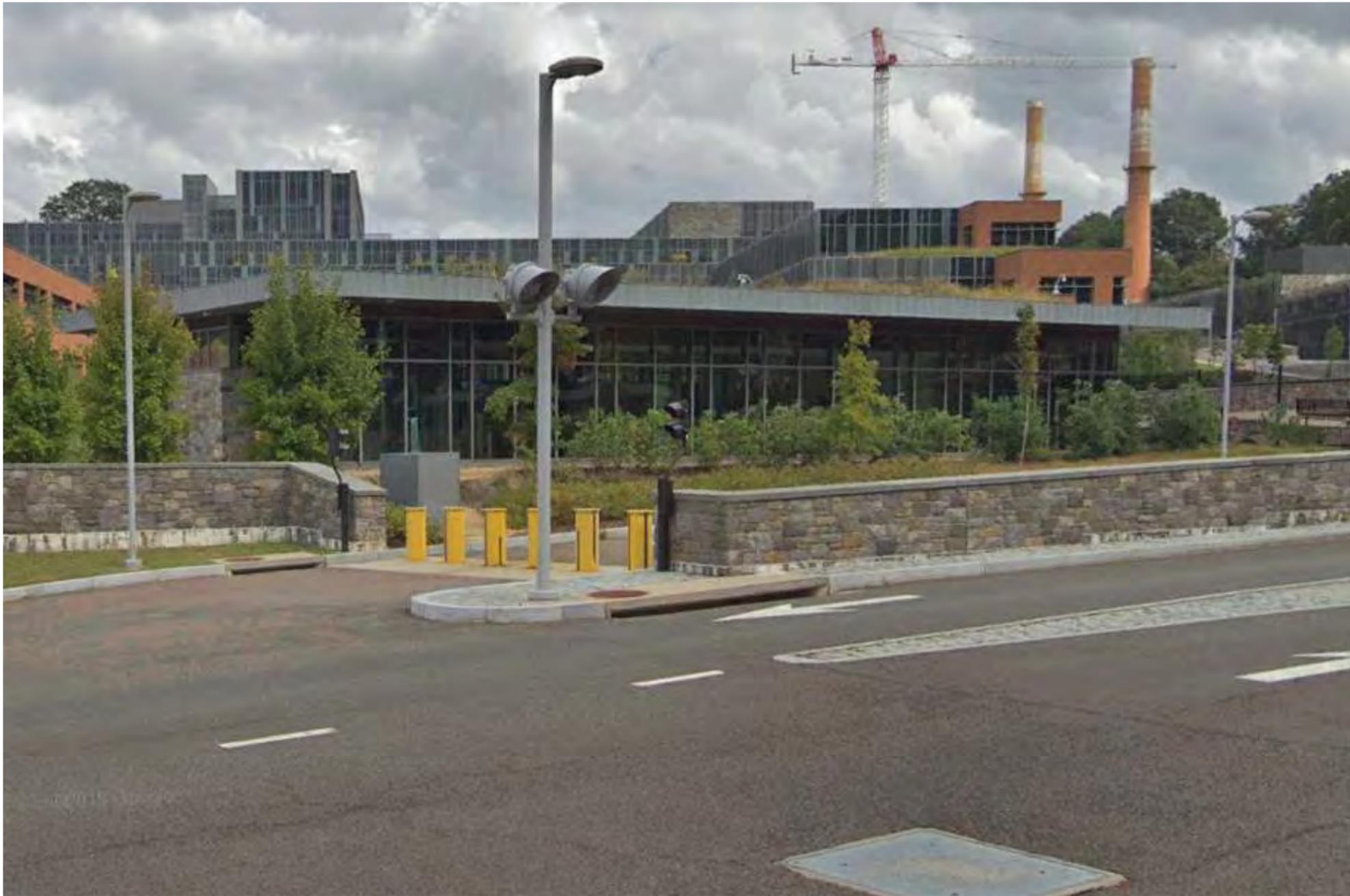


8 VIEW FROM THE NEIGHBORHOOD



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# SCREENING BUILDING TYPOLOGY - GATE 4



- **SINGLE STORY BAR BUILDING**
- **STONE WALL**
- **GLASS CURTAIN WALL**
- **METAL FLAT ROOF**



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## DESIGN DRIVER

MINIMIZE VISUAL IMPACT OF GARAGE  
AND SCREENING BUILDING



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# DESIGN STRATEGIES

## CAMPUS

- **SCALE AND MATERIALITY**
- **HISTORIC CONTEXT**
- **CRITICAL VIEW SHEDS**

## PROGRAM

- **CIRCULATION**
- **ARRIVAL EXPERIENCE**
- **SECURITY LOGISTICS**
- **BUILDING PERFORMANCE**

## LANDSCAPE

- **UNDERSTANDING CLR**
- **STRENGTHEN AND EXTEND EXISTING LANDSCAPE TYPOLOGIES**
- **INTEGRATE THE BUILDING PROGRAM INTO THE LANDSCAPE**
- **INCREASE LANDSCAPE PERFORMANCE**



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# 2 LANDSCAPE APPROACH

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# REGIONAL CONTEXT



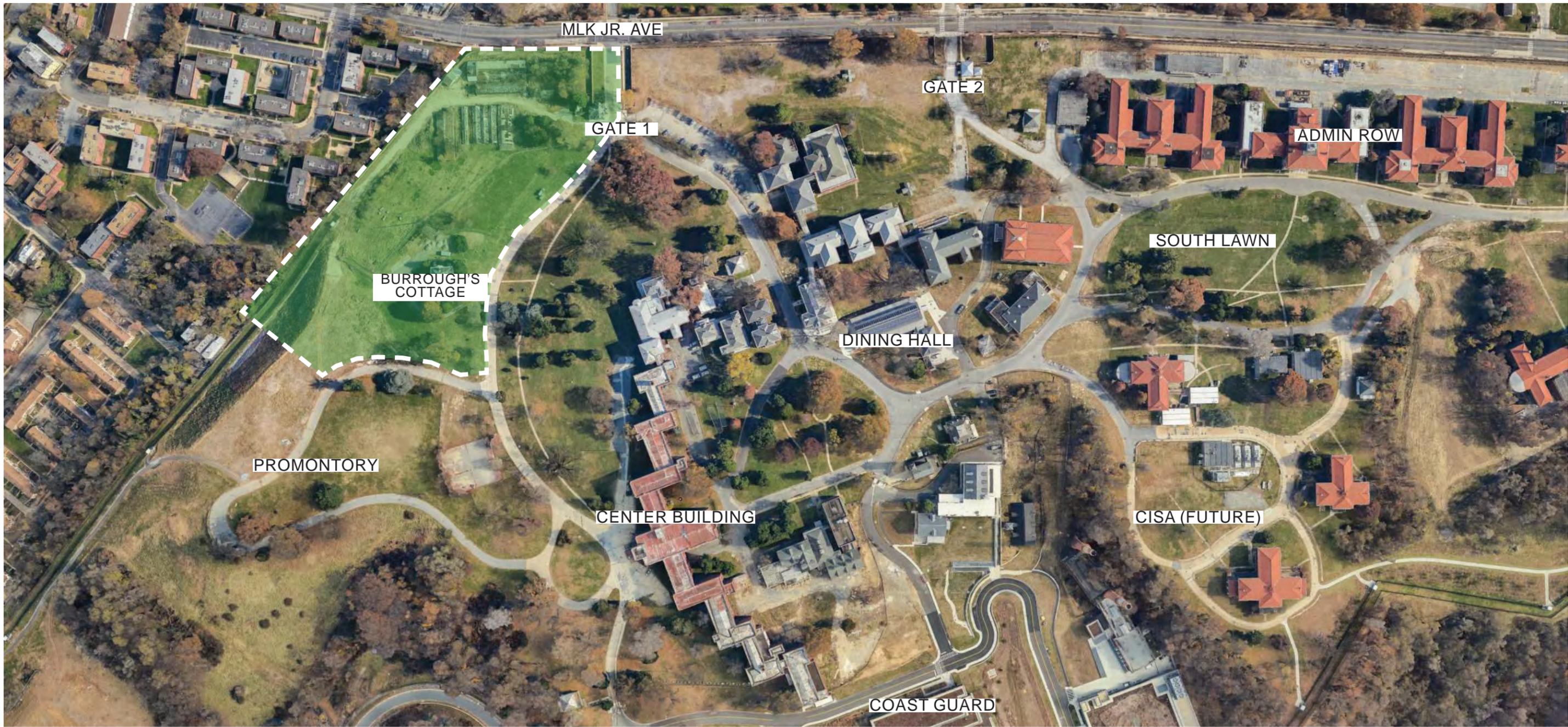
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# CAMPUS CONTEXT



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# SITE CONTEXT



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# SITE EVOLUTION



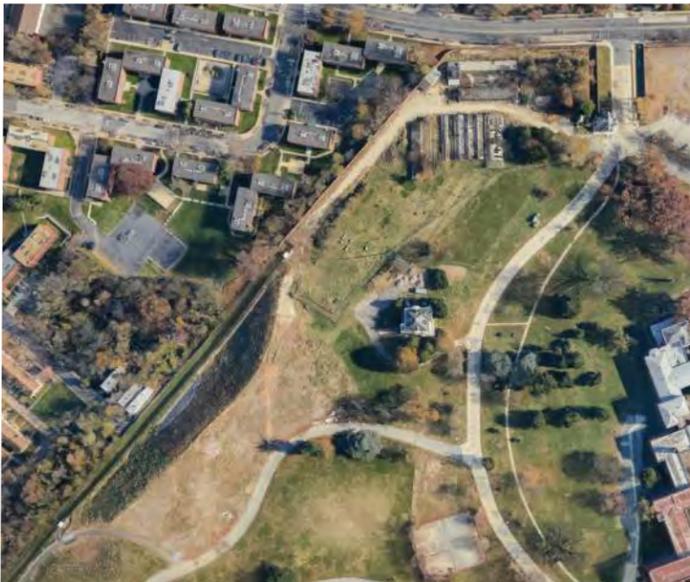
1895 MAP - CLR



1937 MAP - CLR



2008 MASTER PLAN AMENDMENT 2 (2020)



CURRENT SITE - GOOGLE EARTH



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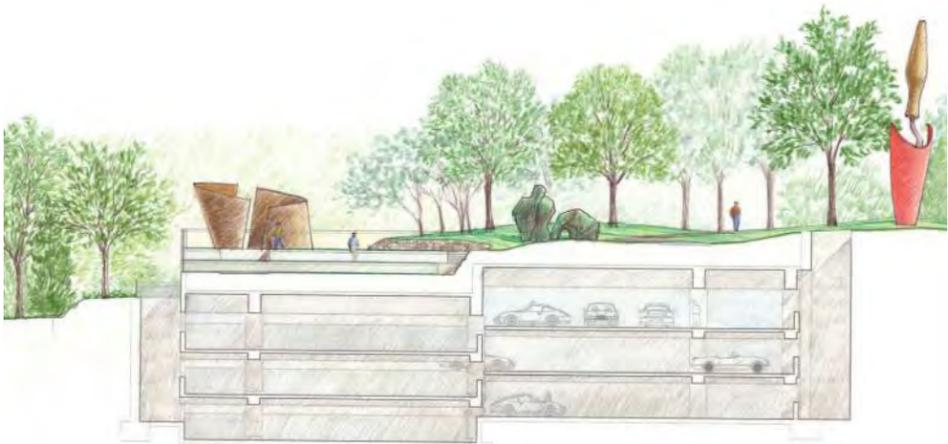
# LANDSCAPE DESIGN GOALS

- PRESERVE THE SETTING OF THE HISTORIC GATE HOUSE AND BRICK WALL
- EXTEND THE ARBORETUM TO BOTH SIDES OF THE ENTRANCE DRIVE
- FRAME KEY VIEWS TO THE LARGER LANDSCAPE AND CONNECT INSIDE TO OUTSIDE
- CREATE A MULTIFUNCTIONAL MEADOW THAT MANAGES STORMWATER, CREATES HABITAT, AND REDUCES MAINTENANCE
- RESTORE THE WOODLAND TO THE NORTH AND WEST
- CREATE APERTURES IN THE GARAGE FOR WAYFINDING, LIGHT AND AIR



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# PRECEDENTS



*The Philadelphia Museum of Art | OLIN*



*Church of Jesus Christ of Latter-Day Saints Conference Center  
OLIN & ZGF*



*Apple Park | OLIN*



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# GATE 1 HISTORIC SETTING



1874



CIRCA 1890-1930



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# CURRENT CONDITION



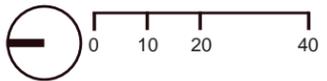
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# 3 PROPOSED DESIGN

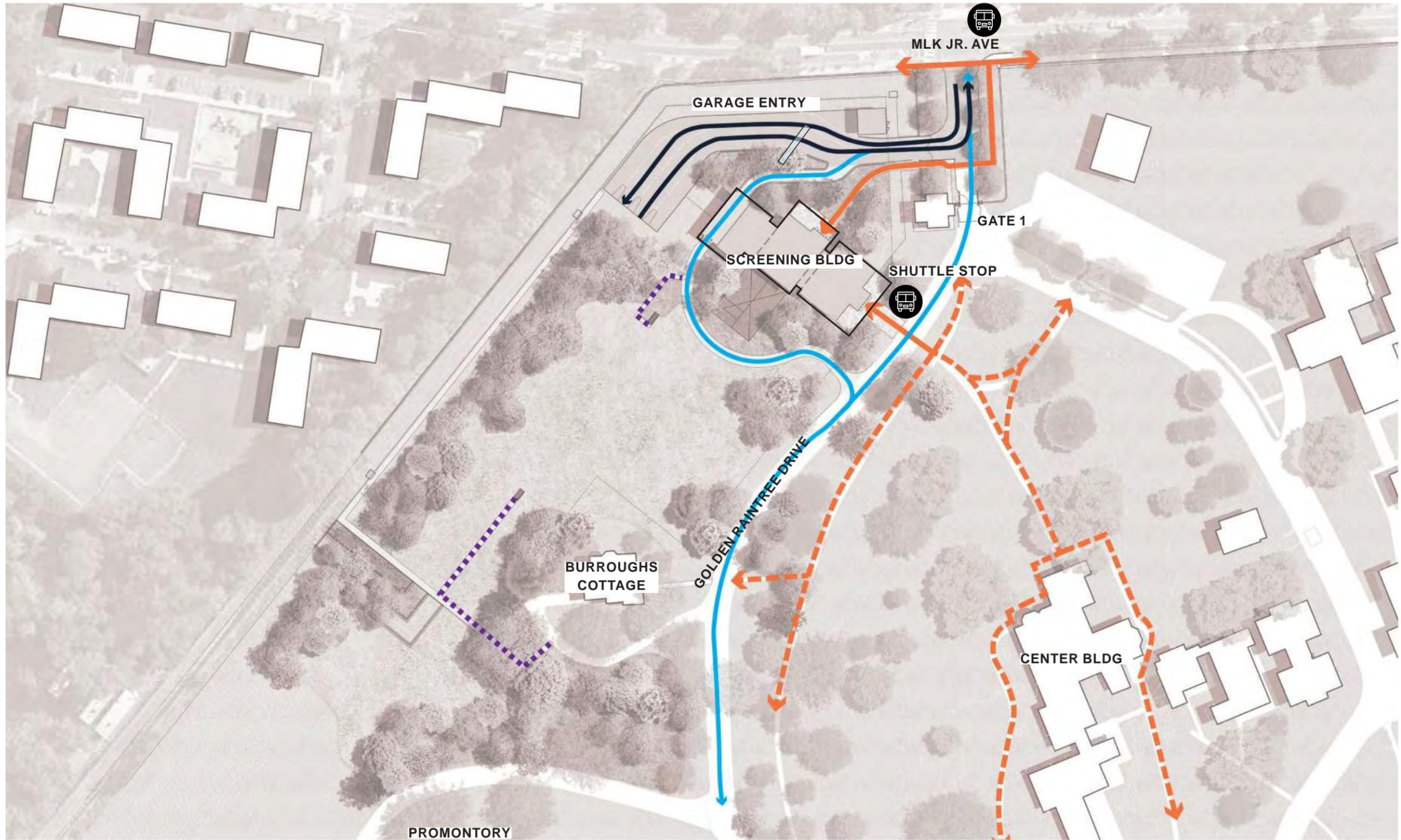
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# GARAGE 1 SITE PLAN



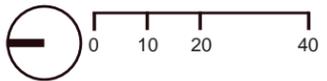
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# GARAGE 1 CIRCULATION



**CIRCULATION LEGEND**

- PROPOSED PEDESTRIAN
- - - EXISTING PEDESTRIAN
- VEHICULAR - GARAGE
- VEHICULAR - CAMPUS
- - - EGRESS PATH



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# SCREENING BUILDING ENTRY FROM MLK JR. AVE



KEY PLAN



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# SCREENING BUILDING PEDESTRIAN ENTRY

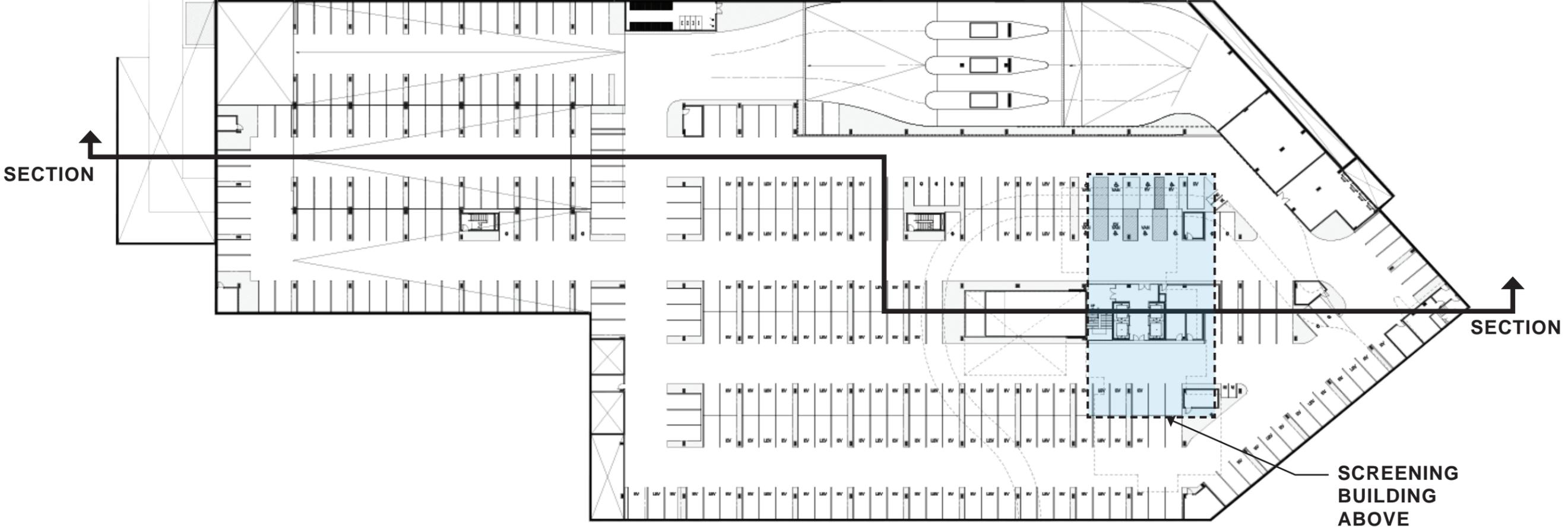
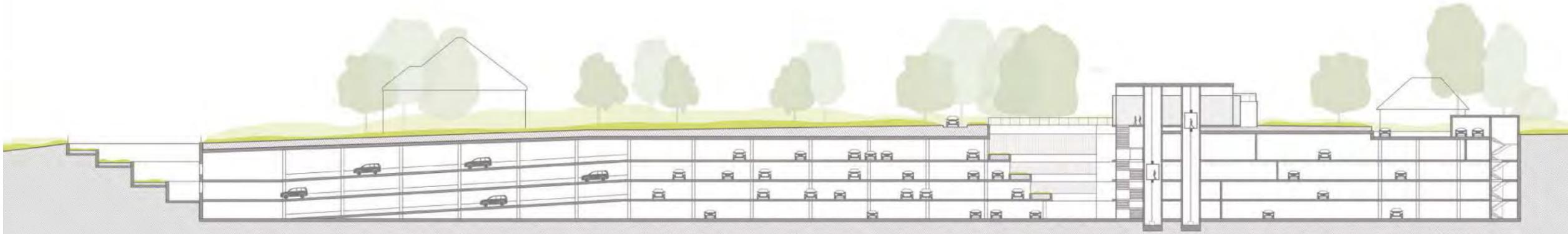


KEY PLAN



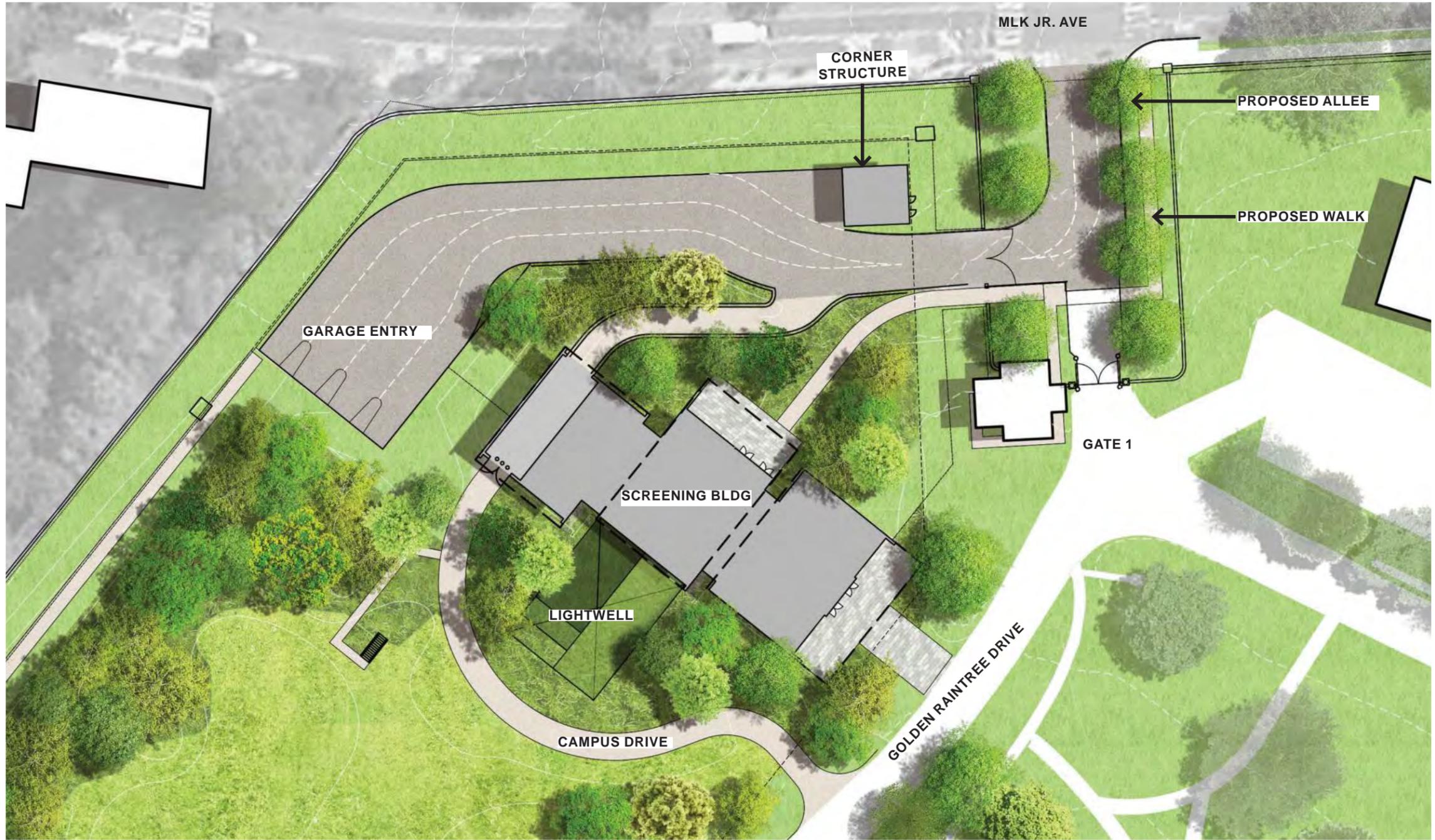
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# GARAGE - SECTION & TYPICAL PLAN



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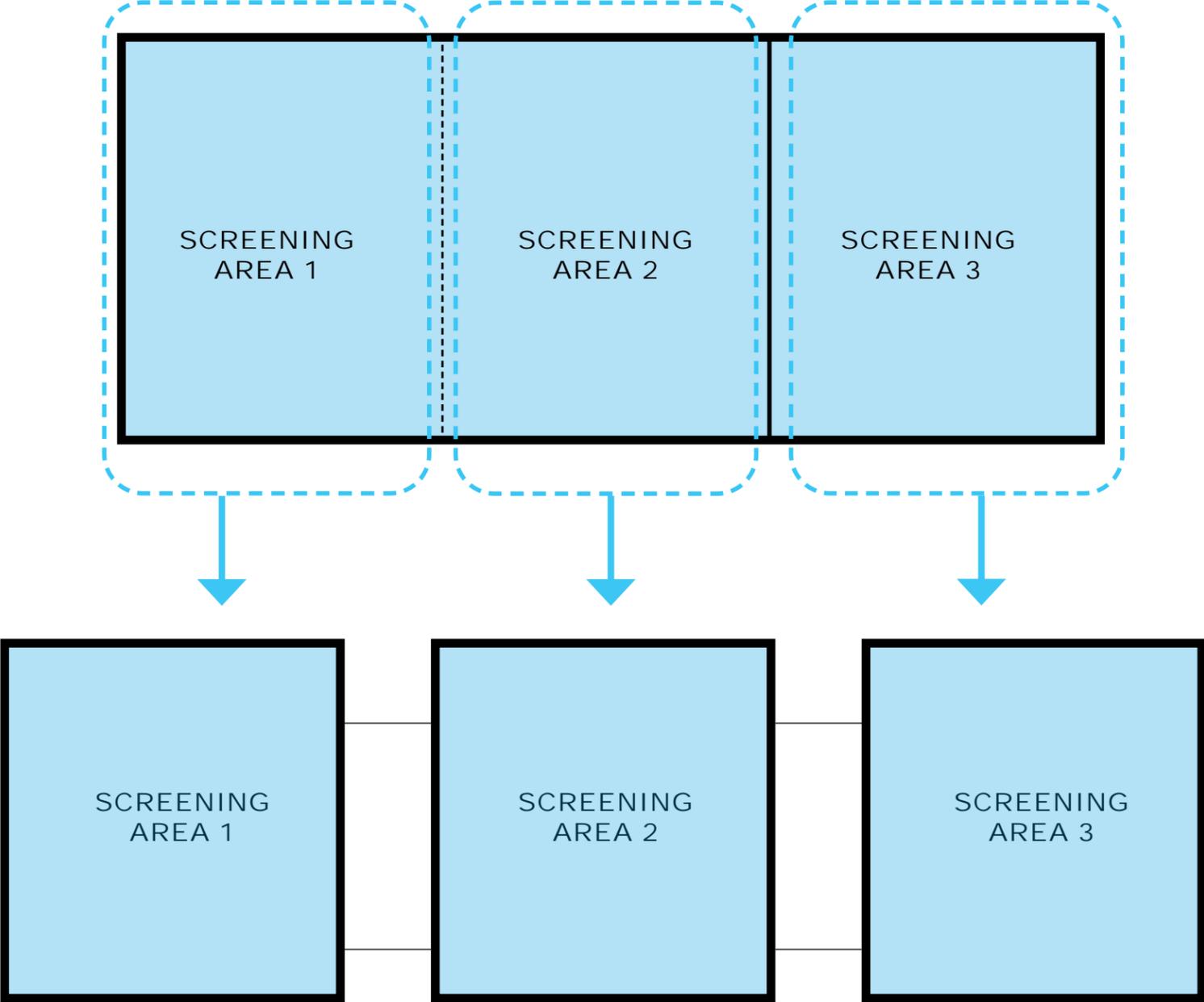
# GATE 1 ENTRY



ZGF **OLIN**

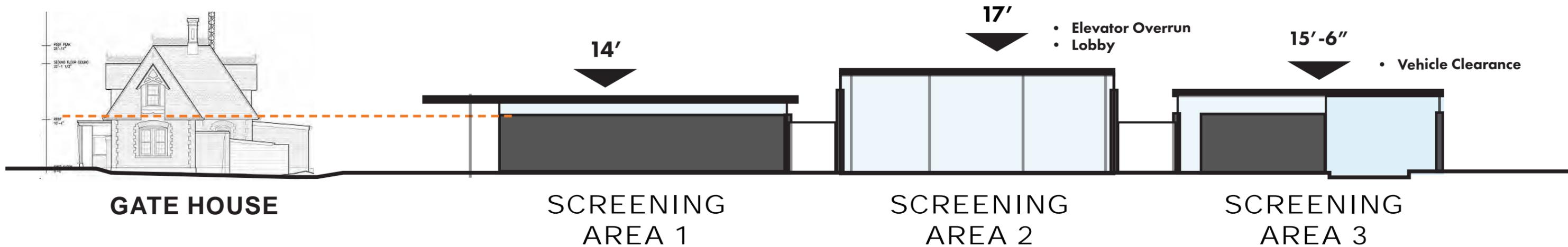
# PROGRAM ANALYSIS

- SINGLE STORY
- ABOVE GARAGE
- ~8,800SF



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# SCREENING BUILDING



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# SCREENING BUILDING PEDESTRIAN ENTRY



KEY PLAN

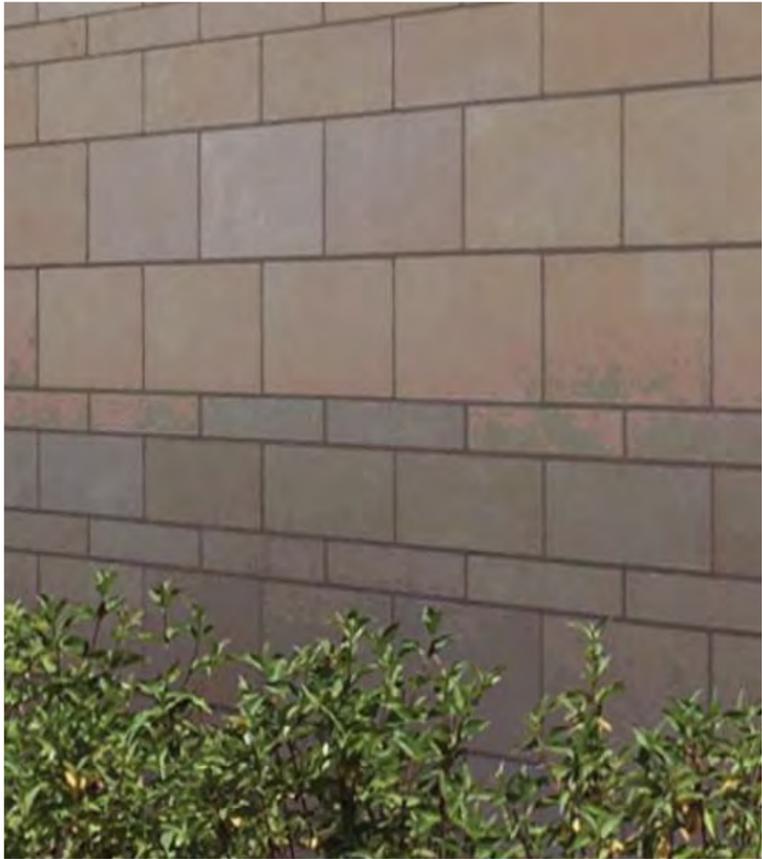
\*PROPOSED TREES REMOVED FOR ARCHITECTURAL CLARITY



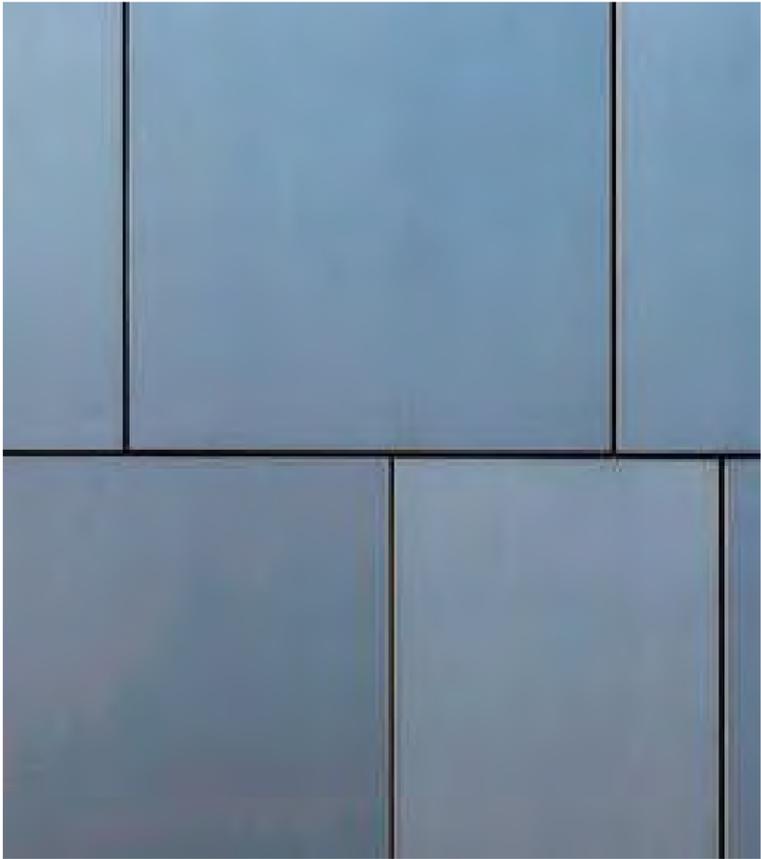
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# MATERIAL PALETTE

- INTEGRATION WITH THE LANDSCAPE
- RESPECT GATE HOUSE
- CONSISTENT TYPOLOGY
- UTILITARIAN



• STONE



• METAL



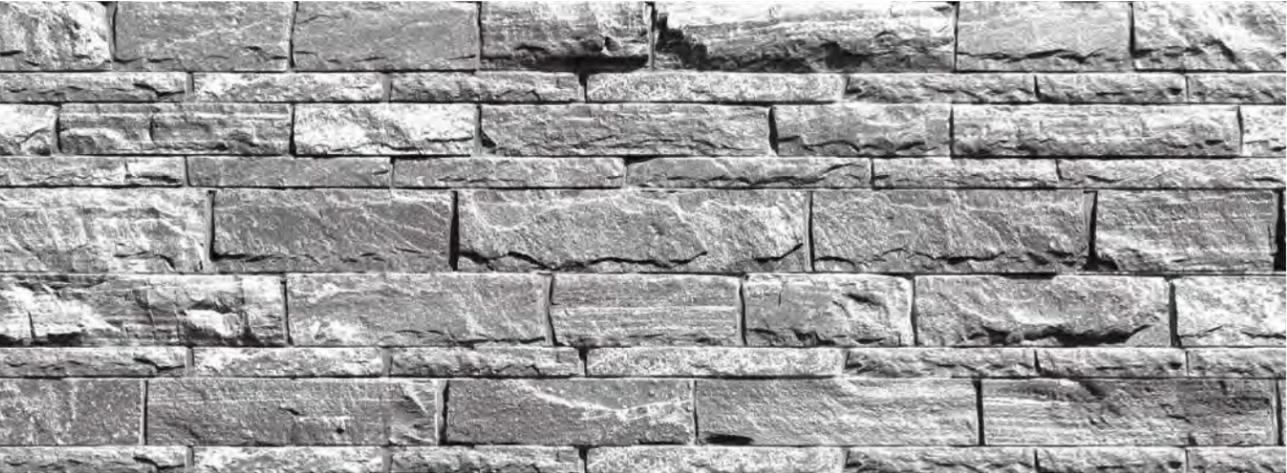
• GLASS



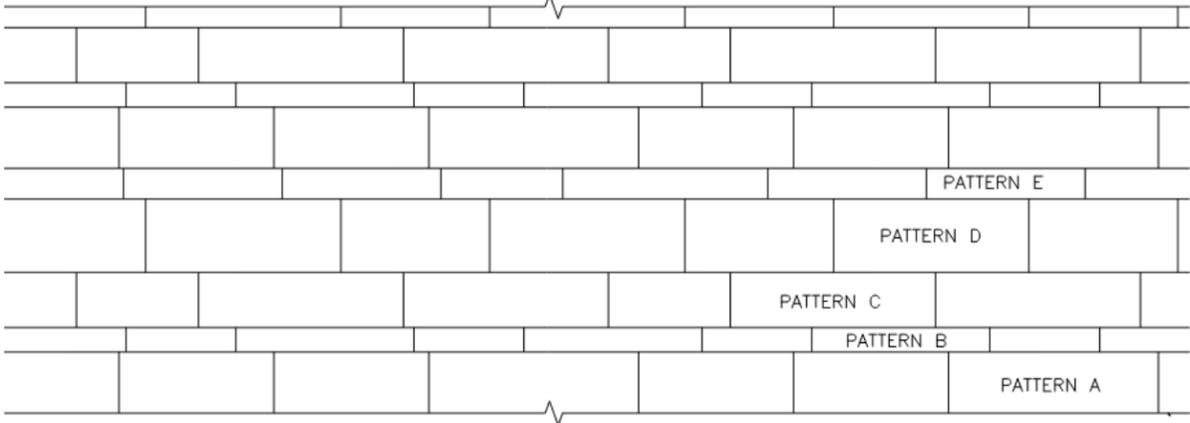
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# MATERIAL PALETTE

- INTEGRATION WITH THE LANDSCAPE
- RESPECT GATE HOUSE
- CONSISTENT TYPOLOGY
- UTILITARIAN



**CAMPUS LANDSCAPE  
WALLS**

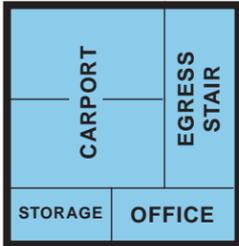
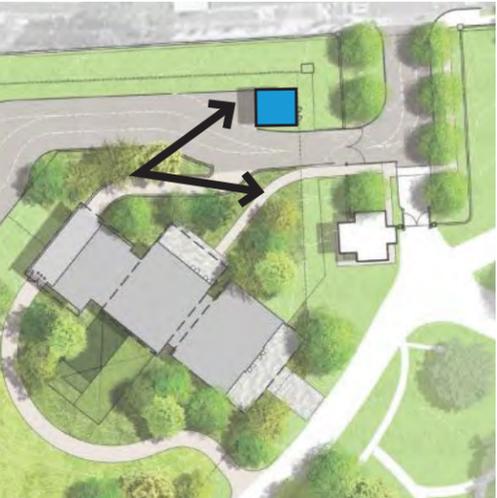


**PROPOSED BUILDING WALLS  
SAME STONE/COURSING  
SMOOTH FINISH**



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# CORNER STRUCTURE

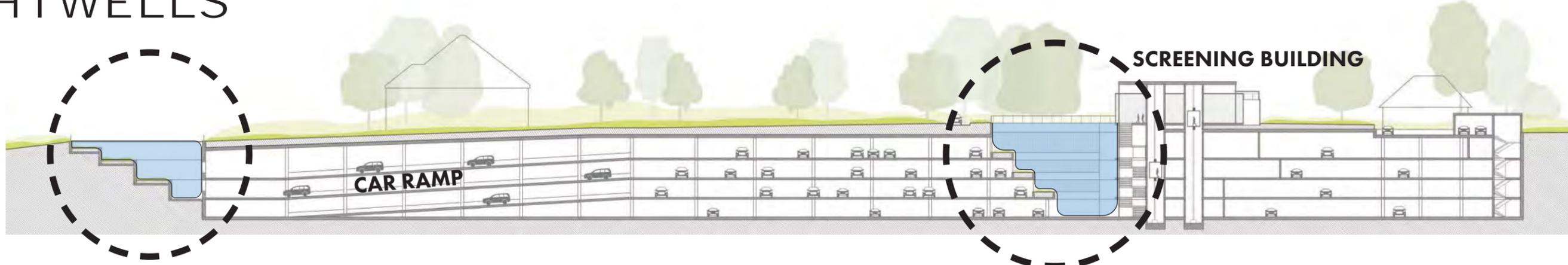


PLAN DIAGRAM



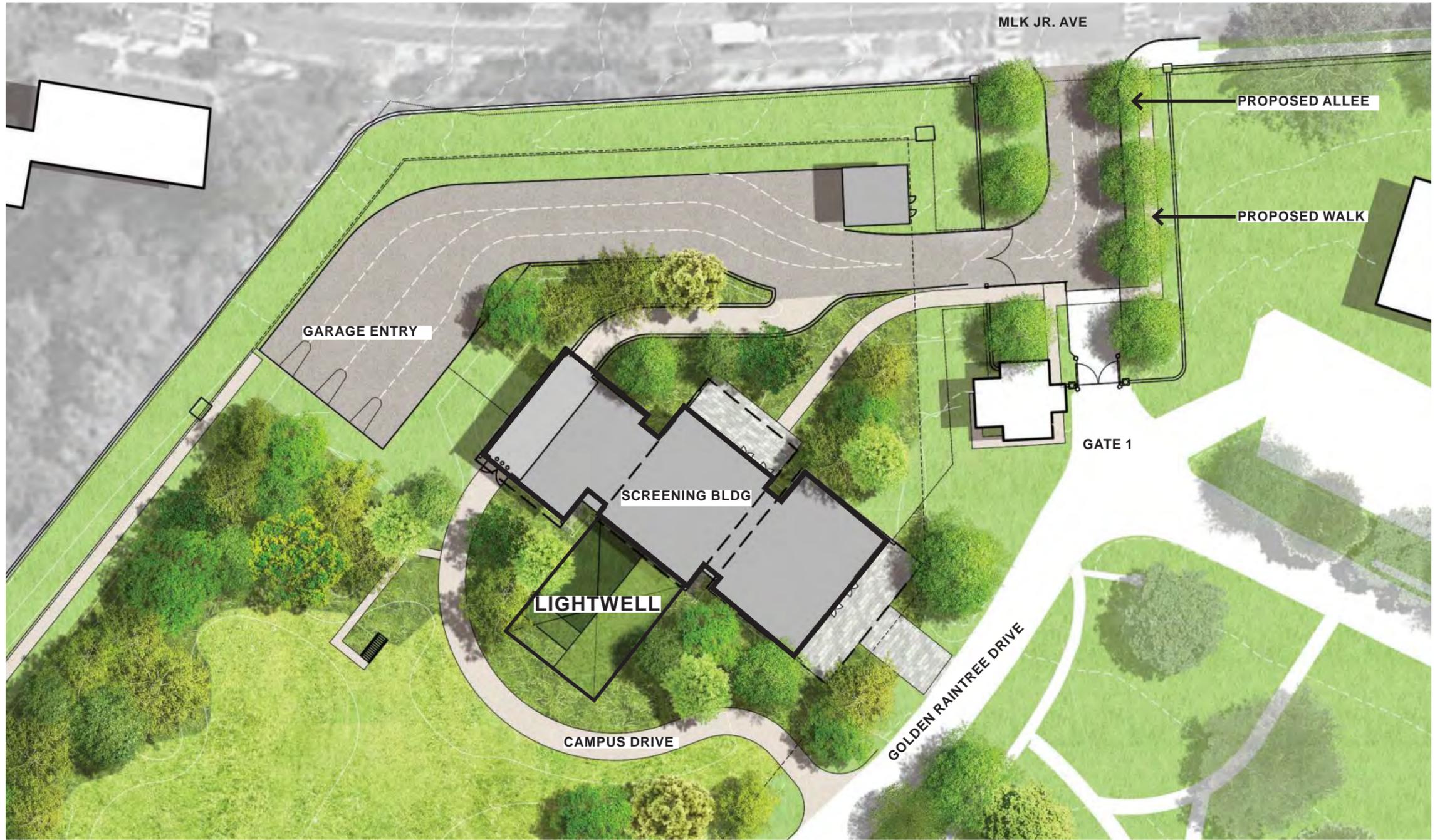
ZGF **OLIN**

# LIGHTWELLS

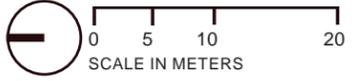


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# SCREENING BUILDING LIGHTWELL - PLAN



KEY PLAN



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# SCREENING BUILDING LIGHTWELL - SECTION



KEY PLAN



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# SCREENING BUILDING VIEW



KEY PLAN



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# NORTH LIGHTWELL - PLAN

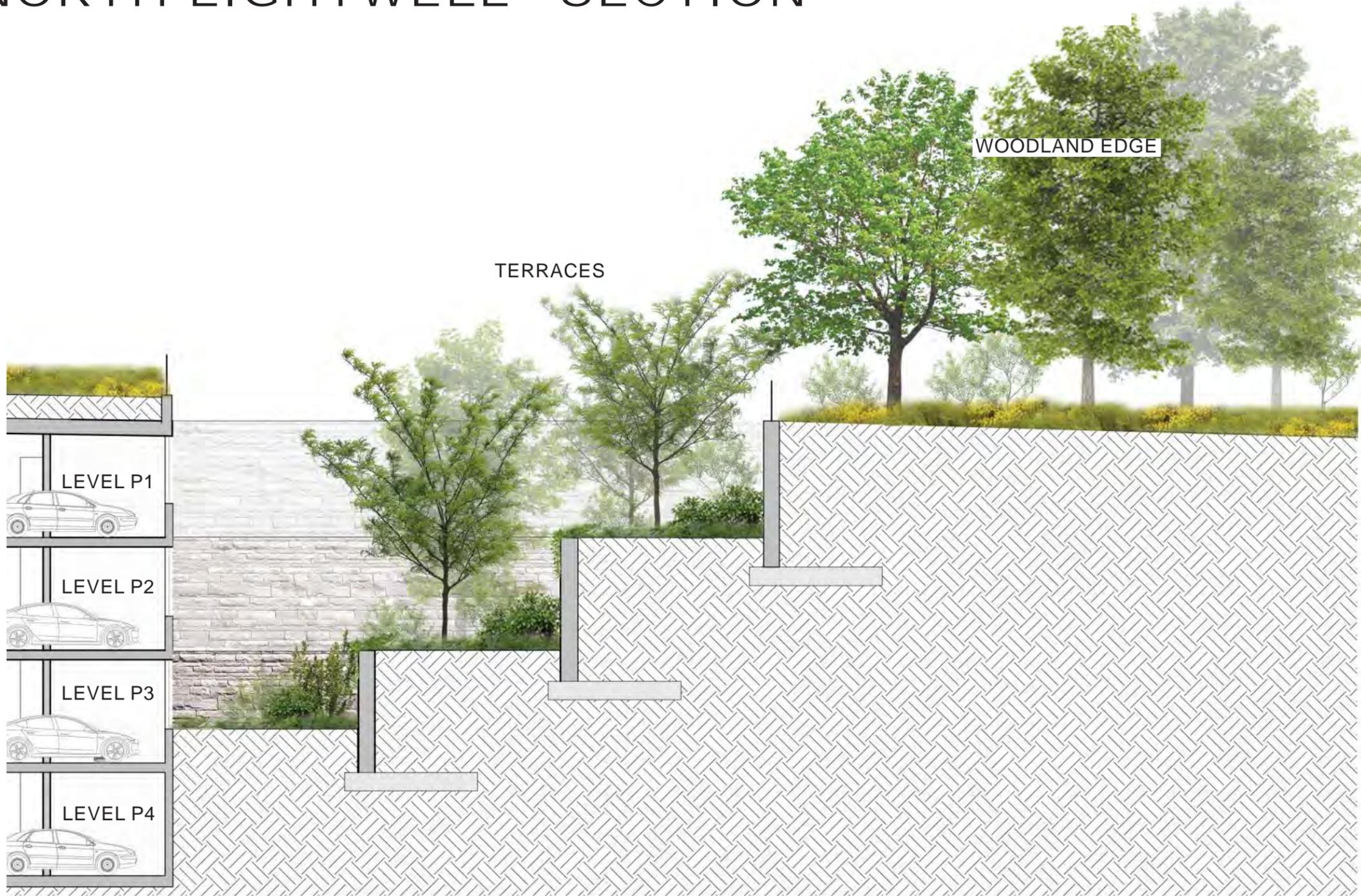


KEY PLAN



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# NORTH LIGHTWELL - SECTION



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# NORTH LIGHTWELL - ENTRY VIEW AT P1



KEY PLAN



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# NORTH LIGHTWELL - P3 VIEW

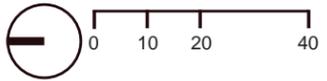


KEY PLAN



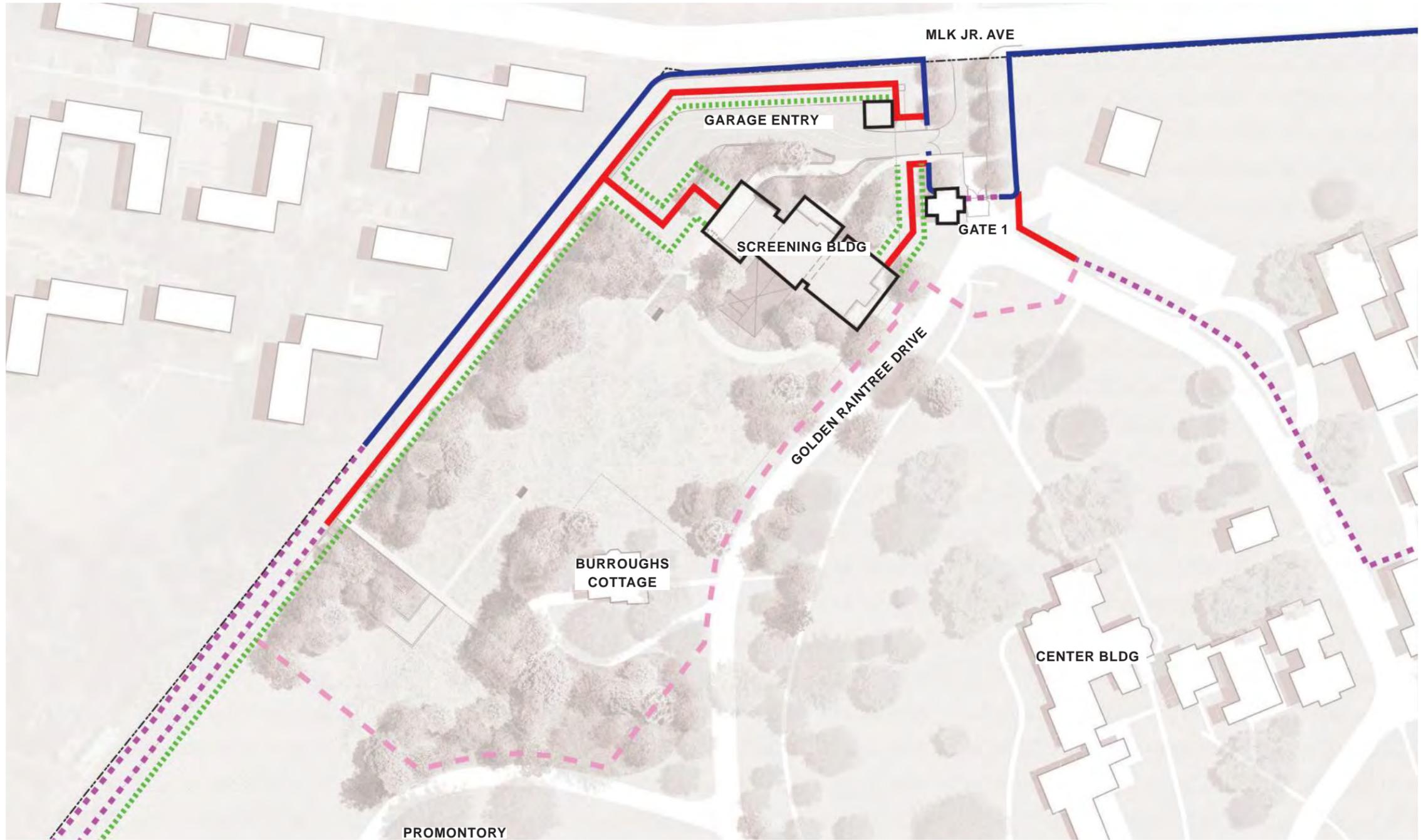
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# GARAGE 1 SITE PLAN



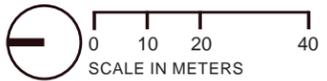
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# GARAGE 1 FENCING AND WALLS



**FENCE LEGEND**

- PROPERTY LINE
- EXISTING WALL
- EXISTING SECURITY FENCE
- EXISTING FENCE REMOVED
- PROPOSED SECURITY FENCE
- FENCE CLEAR ZONE



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# GARAGE 1 PLANTING ZONES



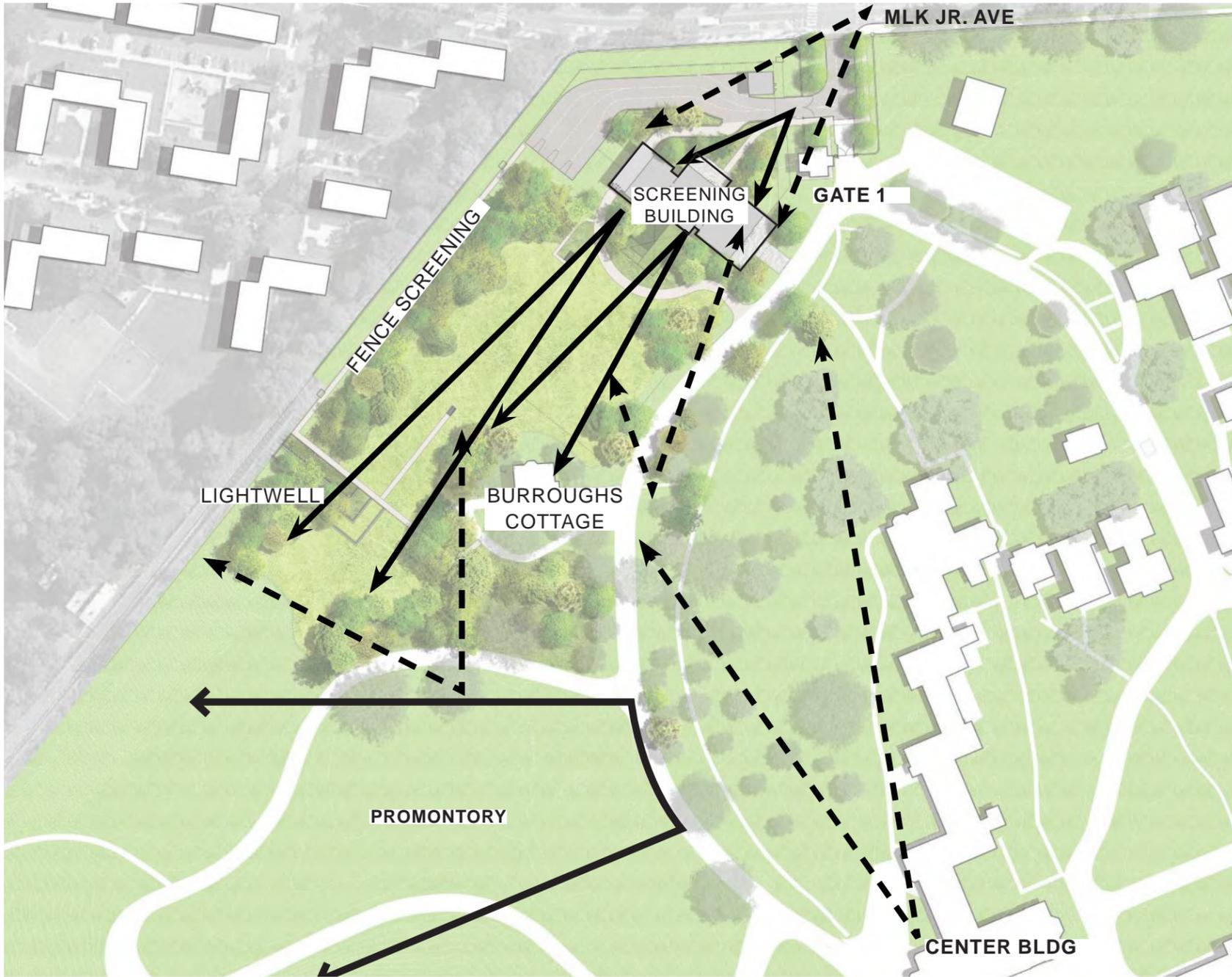
**PLANTING LEGEND**

- MEADOW
- WOODLAND
- ARBORETUM
- LOW GROUND COVER



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# GARAGE LANDSCAPE VIEWS



← OPEN VIEW  
← - - - SCREENED VIEW



PROMONTORY VIEW



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# SCREENING BUILDING VIEW



KEY PLAN



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# MEADOW VIEW FROM CAMPUS DRIVE



KEY PLAN



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# VIEW FROM MEADOW TOWARDS SCREENING BUILDING



KEY PLAN



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# VIEW FROM MEADOW TOWARDS SCREENING BUILDING



\*PROPOSED TREES REMOVED FOR ARCHITECTURAL CLARITY



KEY PLAN



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# VIEW FROM GOLDEN RAINTREE DRIVE



KEY PLAN



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# NORTH LIGHTWELL - VIEW FROM BURROUGH'S COTTAGE



KEY PLAN



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# NORTH LIGHTWELL - VIEW FROM THE PROMONTORY

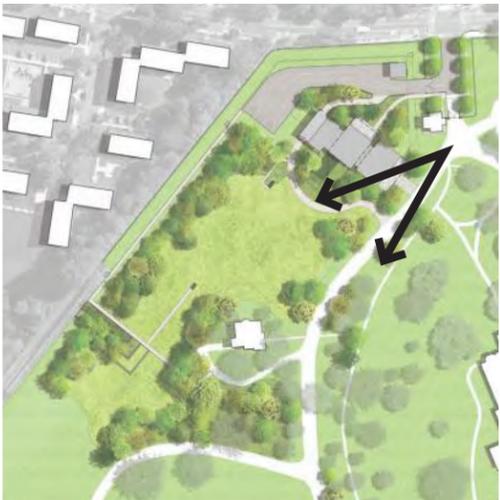


KEY PLAN



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# SCREENING BUILDING CAMPUS ENTRY / EXIT



KEY PLAN



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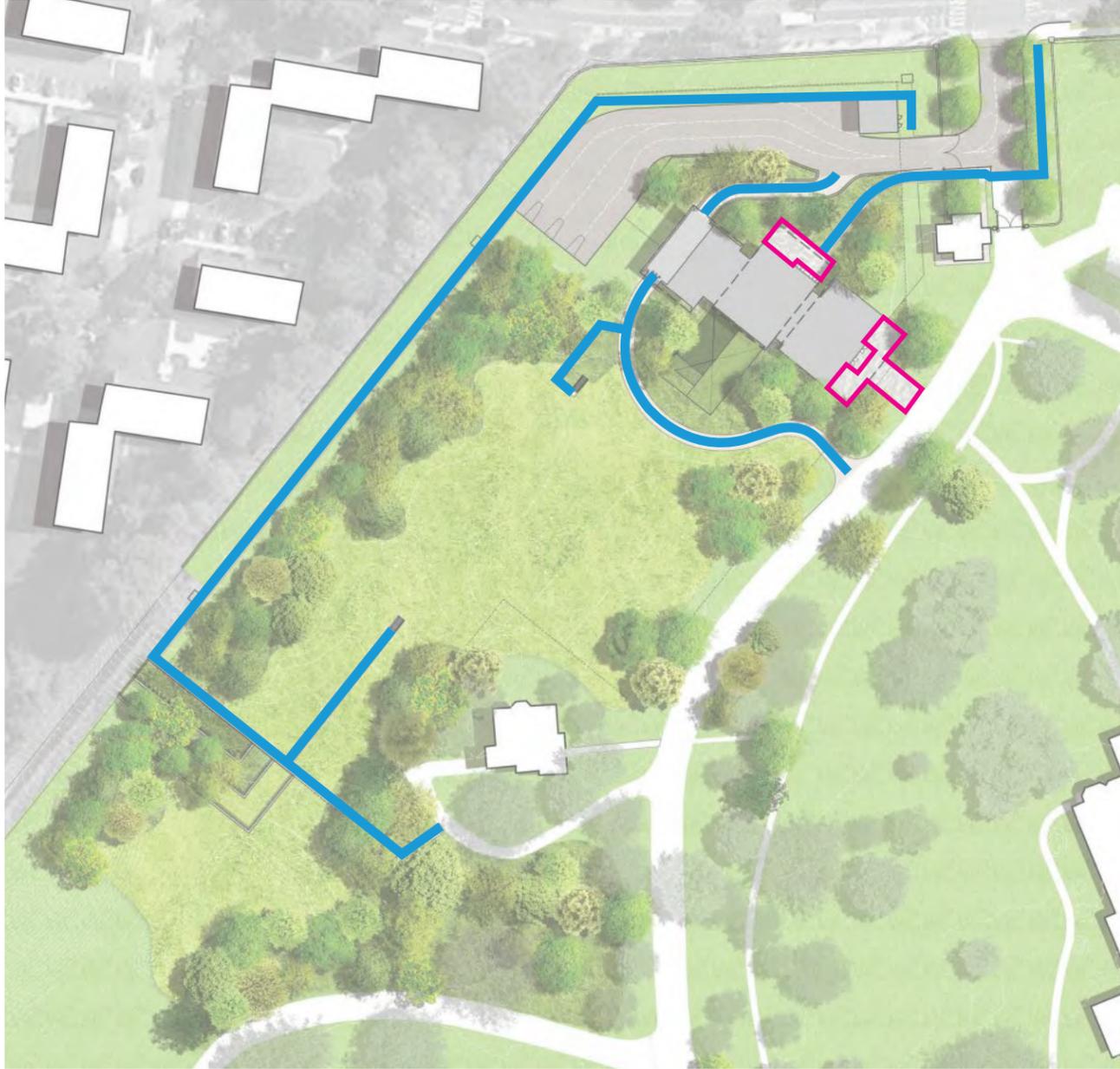
# SITE MATERIALS



U.S. COAST GUARD



ST. ELIZABETH'S CAMPUS



JET MIST CHELMSFORD GREY STANSTEAD GREY



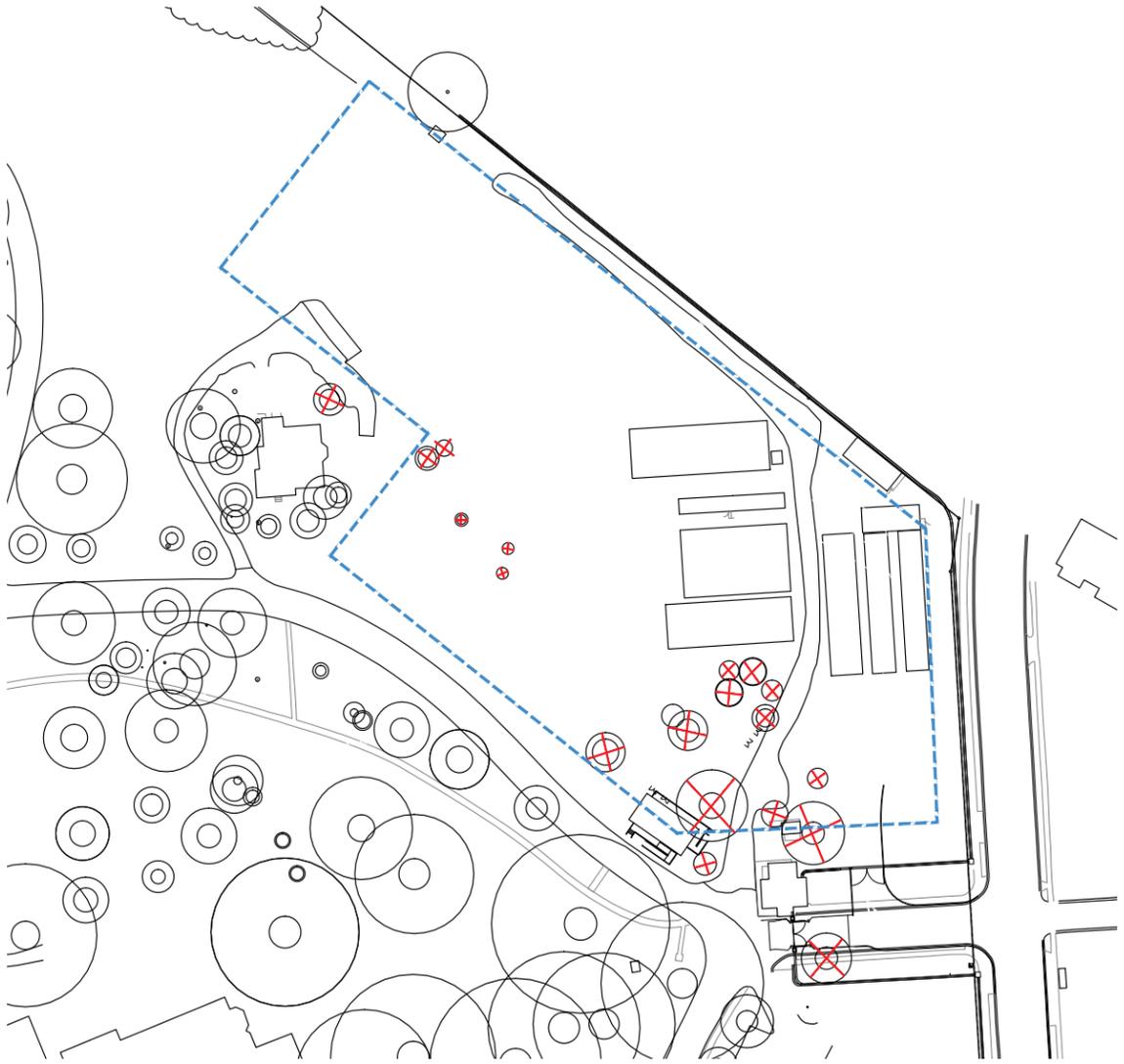
EXPOSED AGGREGATE CONCRETE

\*CISA PLAZA PAVING



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# TREE REPLACEMENT



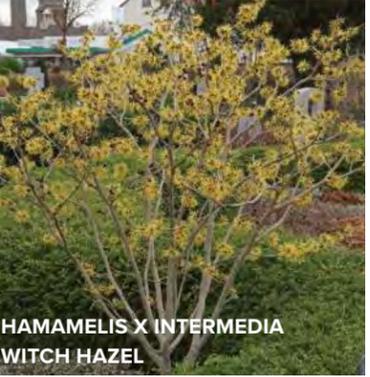
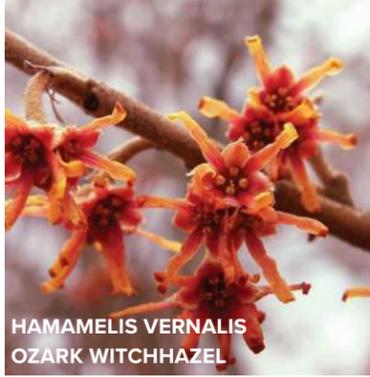
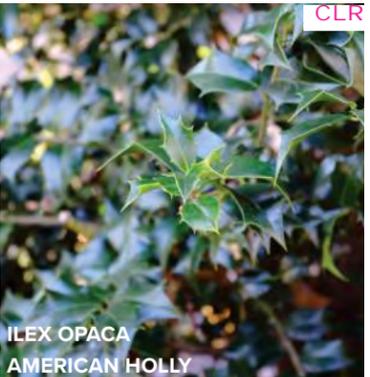
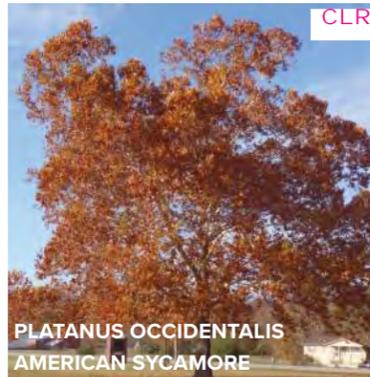
Tree ID Number	Species	DBH	Condition	Species Rating Low	Species Rating High	Species Rating (Avg)	Score	Replacement Number
15	Ilex opaca	22	0.8	0.6	0.85	0.725	12.76	3
16	Ilex cornuta 'Burfordii'	18	0.8			0.75	13.5	3
53	Platanus occidentalis	27	0.6	0.45	0.7	0.575	9.315	2
54	Quercus alba	41	0.6	0.8	0.95	0.875	21.525	5
55	Acer saccharum	20	0.4	0.6	0.9	0.75	6	2
11	Taxodium distichum	15	0.8	0.5	0.9	0.7	8.4	2
12	Ulmus pumila	10	0.8	0.2	0.5	0.35	2.8	1
13	Prunus laurocerasus	12	0.8	0.35	0.75	0.55	5.28	2
14	Ilex opaca	13	0.8	0.6	0.85	0.725	7.54	2
59	Quercus alba	52	0.8	0.8	0.95	0.8	33.28	6
60	Acer rubrum	24	0.4	0.55	0.85	0.7	6.72	2
3	Juglans nigra	30	0.4	0.55	0.8	0.675	8.1	2
4	Magnolia grandiflora	19	0.8	0.5	0.9	0.7	10.64	3
5	Ulmus americana	12	0.8	0.35	0.8	0.575	5.52	2
1	Acer rubrum	19	0.8	0.55	0.85	0.7	10.64	3
26	Gleditsia tracanthos	30	0.6	0.4	0.8	0.6	10.8	3

20 TREES REMOVED  
 43 TREES REQUIRED  
 (CALCULATIONS BASED ON NCPC TREE REPLACEMENT REQUIREMENTS)  
**127 TREES PROPOSED**



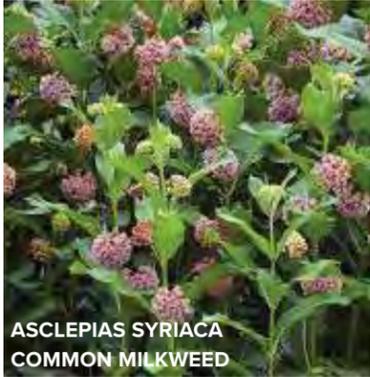
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# PLANT PALETTE - TREES



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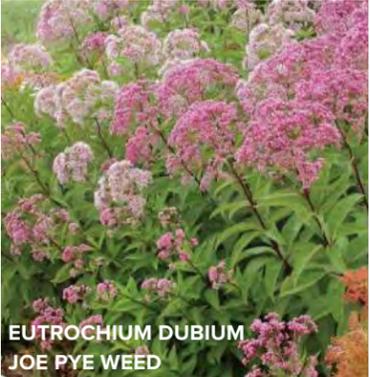
# PLANT PALETTE - MEADOW



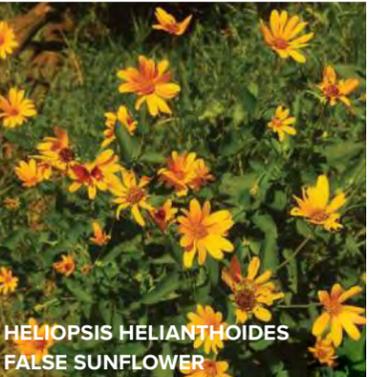
ASCLEPIAS SYRIACA  
COMMON MILKWEED



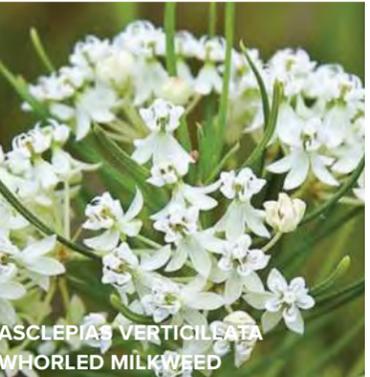
ECHINACEA PURPUREA  
CONEFLOWER



EUTROCHIUM DUBIUM  
JOE PYE WEED



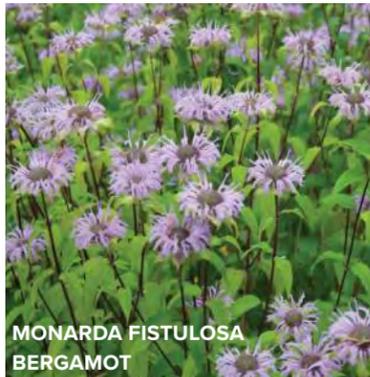
HELIOPSIS HELIANTHOIDES  
FALSE SUNFLOWER



ASCLEPIAS VERTICILLATA  
WHORLED MILKWEED



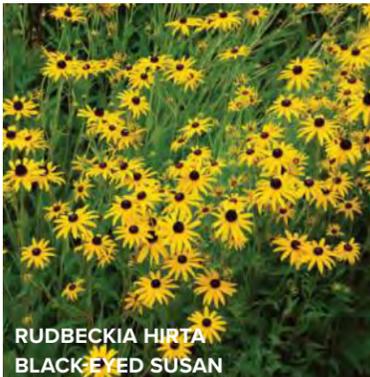
CHASMANTHIUM LATIFOLIUM  
NORTHERN SEA OATS



MONARDA FISTULOSA  
BERGAMOT



PANICUM VIRGATUM  
SWITCH GRASS



RUDBECKIA HIRTA  
BLACK-EYED SUSAN



SCHIZACHYRIUM SCOPARIUM  
LITTLE BLUESTEM GRASS



PANICUM VIRGATUM  
'SHENANDOAH' RED SWITCHGRASS



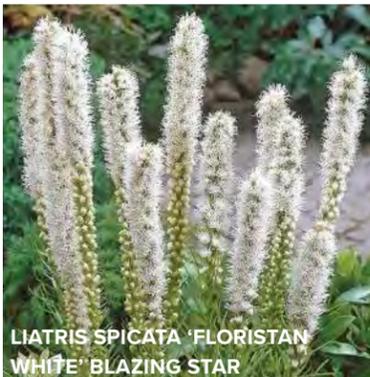
BOUTELOUA GRACILIS  
BLUE GRAMA GRASS



STOKESIA LAEVIS  
STOKES ASTER



VERONICASTRUM VIRGINICUM  
CULVER'S ROOT



LIATRIS SPICATA 'FLORISTAN  
WHITE' BLAZING STAR



BOUTELOUA CURTIPENDULA  
SIDEOATS GRAMA



AMSONIA HUBRICHTII  
ARKANSAS BLUESTAR



KOELERIA CRISTATA  
JUNE GRASS



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# PLANT PALETTE - WOODLAND SHRUBS AND GROUNDCOVER

## GROUNDCOVER MIX



## SHRUBS



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# SCREENING BUILDING CAMPUS ENTRY / EXIT



KEY PLAN



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