

CONCEPT SUBMISSION

NATIONAL CAPITAL PLANNING COMMISSION

SEPTEMBER 01, 2017



ANACOSTIA COMMUNITY MUSEUM **Site Security and Design Upgrades** **SMITHSONIAN INSTITUTION**



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**ANACOSTIA COMMUNITY MUSEUM:
PROPOSED SITE SECURITY AND DESIGN UPGRADES**

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PROJECT SCOPE NARRATIVE

The mission of the Anacostia Community Museum (ACM) is to enhance understanding of contemporary urban experiences and strengthen community bonds by conserving the past, documenting the present, and serving as a catalyst for shaping the future. Its vision is to broaden perspectives, generate new knowledge, and deepen understanding about the ever-changing concepts and realities of ‘community’ while maintaining its strong ties to Anacostia and the D.C. Metropolitan region.

The Museum has afforded unique learning opportunities through its Museum Academy Program, which offers after-school and summer cultural enrichment programs, career awareness days, and internship components for children in the District of Columbia. Founded on September 15, 1967, ACM has been a leader in providing a myriad of formal programs including exhibitions, research, tours, lectures, performances, and demonstrations. The Museum opened its new facility in 1987 with its cultural expressionist design inspired by African motifs in its façade, paving, and railings reflecting traditional Kente cloth designs.

Fifty years on, ACM receives 3,000 visitors a month. This steady stream of students, educators, researchers, neighbors, and staff to the Museum also creates a growing awareness that the public areas of the site at ACM require upgrades to address inadequacies related to security, accessibility, outdoor programs, and vehicular and pedestrian circulation. It was determined that a comprehensive design was needed to improve public access and safety, with an emphasis on accessibility, parking, circulation, paving, landscaping, lighting, electrical systems, perimeter security, and sustainability. Additionally, an adjustment to the perimeter site boundary between ACM and the National Park Service is proposed to allow ACM to acquire a triangular parcel of land adjacent to Fort Place SE, to clarify property maintenance boundaries.

The proposed major site design improvements involve:

1. Removal of the current circular driveway. The current configuration cannot properly accommodate the turning radius of the coaches that typically serve museum patrons and is constrained by the existing property lines. Instead, a bus drop off area parallel to the incoming entrance drive is proposed with a new welcoming pedestrian plaza replacing the circle drive, simultaneously increasing the museum's outdoor program space.
2. Re-grading of the entrance drive and main parking area. The entrance drive will be re-worked to provide a more gradual and bus-friendly rise onto the site. The parking lot grades would also be reduced to achieve a more even and gentle slope, better-suited to ACM's programmed outdoor events.
3. An outdoor "learning grove" will be introduced into the newly modified entry plaza, intended for use as an outdoor room for storytelling and instruction. Its use will be enhanced by a combination of existing and new shade trees along its perimeter.
4. The existing entrance stairs will also be replaced with wider accessible treads and risers.

LANDSCAPE NARRATIVE

Existing Conditions:

Today, the Anacostia Community Museum site is primarily comprised of an open landscape defined by medium-sized trees and planted areas located near the building entrances. The entry circle off of Fort Place SE, serves as a gateway entrance into the site. This area has high visibility from the Fort Stanton Recreational Center and includes the site’s monument sign and flagpoles. It also defines vehicular circulation from the main entry area leading to the parking lot and drop-off zone associated with the building’s main entrance. A secondary entrance is located at the eastern edge of the site and provides access to the Museum parking lot and building service areas. The area around the museum property is pastoral to the east and west and wooded to the north and south. The largest open space on-site is located between Fort Place SE and the Museum's parking lot. This area includes a large rolling berm, shrubs along the periphery of the parking lot, and large tree clusters.

Proposed Conditions:

The landscape plan developed by the design team will provide outdoor 'rooms' to accommodate programming and activities. The primary goal of the proposed landscape design is to frame the Museum, to create a clear hierarchy and sense of place, while enhancing site functionality. The landscape will feature a diverse and complementary palette of low maintenance plants arranged to create a welcoming environment.

The ‘triangular’ green space located between Fort Place SE and the Museum parking lot will be landscaped with additional trees in a pastoral setting consistent with existing planting. Large existing trees will be preserved in this area to provide shade and to frame the event space. Additional trees will be added along Fort Place SE, defining the Museum property edge.

Pedestrian connections will be enhanced from the Museum to sidewalks along Fort Place SE. Sidewalks will be added to facilitate connection between the Museum, the parking lot, and Fort Place SE. The existing traffic circle will be removed to simplify the queueing sequence at the Museum’s main entrance and providing a gathering space for visitor drop-off. A modest pedestrian plaza will be developed west of the building’s main entrance to serve as flexible space for outdoor programming and educational/instructional activities. The building’s "monument sign" will be re-located near the main entrance drive with better sight lines from Fort Place SE. Further event space is gained by utilizing the parking area. In the proposed plan, the parking lot will be re-graded to create a multi-purpose area, which will primarily serve as a parking lot, but can easily be converted, as needed, to a large plaza to accommodate outdoor community-oriented Museum events.

Benches of various configurations and interpretive signage will also be integrated into the site plan at appropriate pause points, to invite learning moments outside the museum's traditional display and meeting spaces. Punctuating the walkways with points of contemplation will serve the additional goal of engaging and informing visitors about the new bio-retention gardens, their placement within the topography, and how they contribute to the overall stormwater management strategy. Linking adjacent outdoor elements, such as the Entry Plaza and the rain gardens, with complementary programs creates new opportunities for learning, not only reinforcing the museum's educational mission, but also extending them, beyond the building walls and into the landscape.

The Anacostia Community Museum tasked the design team with several requests to help enhance the usability of the grounds surrounding the building. These requests included:

- 1. Provide a level, ADA accessible, parking lot that could be used for gathering/events.
- 2. Provide a bus drop off area that can accommodate contemporary coaches.
- 3. Provide an entry access drive aisle to the parking lot with a less challenging gradient.

The existing parking lot pre-dates the Americans with Disabilities Act (ADA), and includes grades steeper than 2%. To provide a level, ADA accessible parking lot, the existing parking lot will be removed, re-graded, and replaced. Starting at the eastern edge, the parking lot will be re-engineered to a gradient of no more than 2% in any direction, providing an ADA compliant parking lot that can also be used for museum events and outdoor activities.

The existing designated circular drop off area at the museum site's western edge is not currently wide enough to allow for large busses to drop off and pick up patrons. To facilitate large contemporary busses the existing circular drop off/pick up area will be removed and replaced with a newly configured area adjacent to the entry access drive aisle. The new location and layout would both accommodate large coaches and provide an ADA accessible point of arrival on site.

The current entry access drive aisle is very steep and has a cross slope that exceeds standard design principles. Elongating the access drive aisle by approximately 30 feet would reduce the steep grades present on site while allowing the correction of the unacceptable existing cross slopes.

Stormwater Management

Existing Conditions:

The existing site comprises the museum building, surface parking, drop off area, hardscape, and landscape areas. A sand filter treats stormwater runoff from a portion of the building, a portion of the surface parking, and a portion of the hardscape for water quality. The remainder of the site does not receive any dedicated stormwater management treatment.

Proposed Conditions:

The proposed project would disturb more than 5,000 square feet of land and consequently is required to fulfill all District of Columbia Stormwater Management regulations under the authority of the Department of Energy and Environment (DOEE). All proposed construction will fall under the Major Land Disturbance Activity section of the DOEE Stormwater Management Regulations and require an onsite stormwater retention volume of 1.2” of rainfall.

This project proposes three methods of Stormwater Best Management Practices (BMP’s) to treat stormwater: 1) Bio-Retention, 2) Porous Paving, and 3) Tree Planting. These facilities will be used in concert to meet the District's stormwater management requirement. In addition to stormwater management facilities, the site hydraulics would also be improved. The proposed strategy includes the reduction of the overall impervious site surface area by approximately 540 square feet. The existing sand filter will be maintained and treat a portion of the existing building and hardscape for water quality as well.

Department of Energy and Environment (DOEE) Stormwater Requirements:

The stormwater management design will be required to satisfy, onsite, the full stormwater retention volume requirement of 1.2” of rainfall for all disturbed areas. The stormwater management requirements will be met using BMP’s as follows:

- 1. Porous pavement will treat stormwater runoff from the eastern portion of the parking lot and also include adjacent hardscape areas and landscaping.
- 2. Bio-retention areas will treat the western portion of the parking lot, the site entrance, adjacent hardscape areas, and landscaping.
- 3. New trees planted on site will supplement stormwater management efforts.

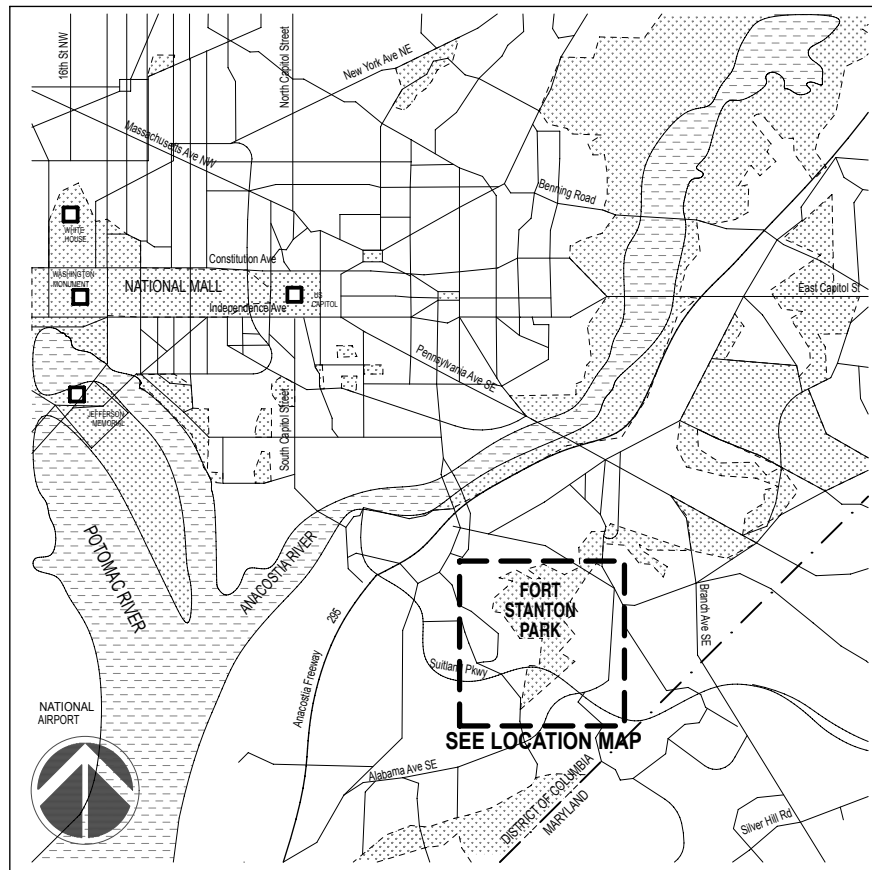
The measures listed above are intended to meet the full amount of stormwater management requirements, 2,345 cf / 17,537 gal. (Final Stormwater management calculations showing the volume required to meet the 1.2” retention requirement will be included in the plan set.) The project does not intend to utilize stormwater management credits to offset any portion of the 1.2” DOEE requirement.

Proposed improvements in site porosity are included below:

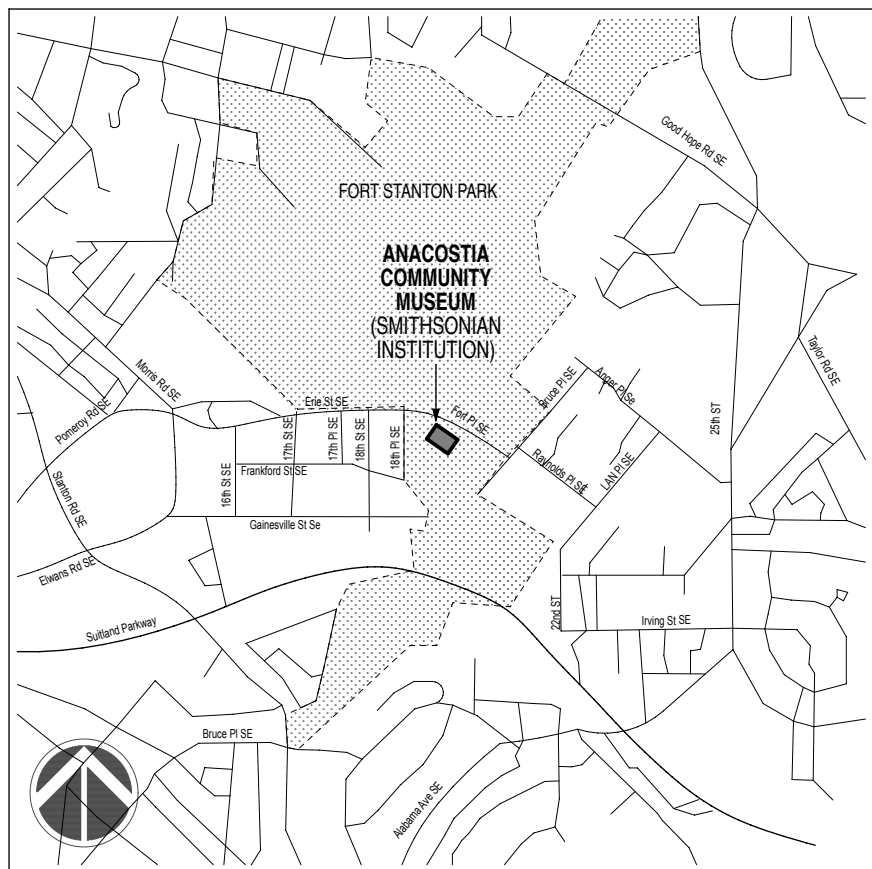
TOTAL SITE AREA: 34,535 SF.

EXTG IMPERVIOUS	= 20,340 SF	PROP. IMPERVIOUS	= 18,998 SF	DELTA = -1,342, 6.6%
EXTG POROUS	= 14,195 SF	PROP. POROUS	= 15,537 SF	DELTA = +1,342, 9.5%
	34,535 SF		34,535 SF	0, 0.0%

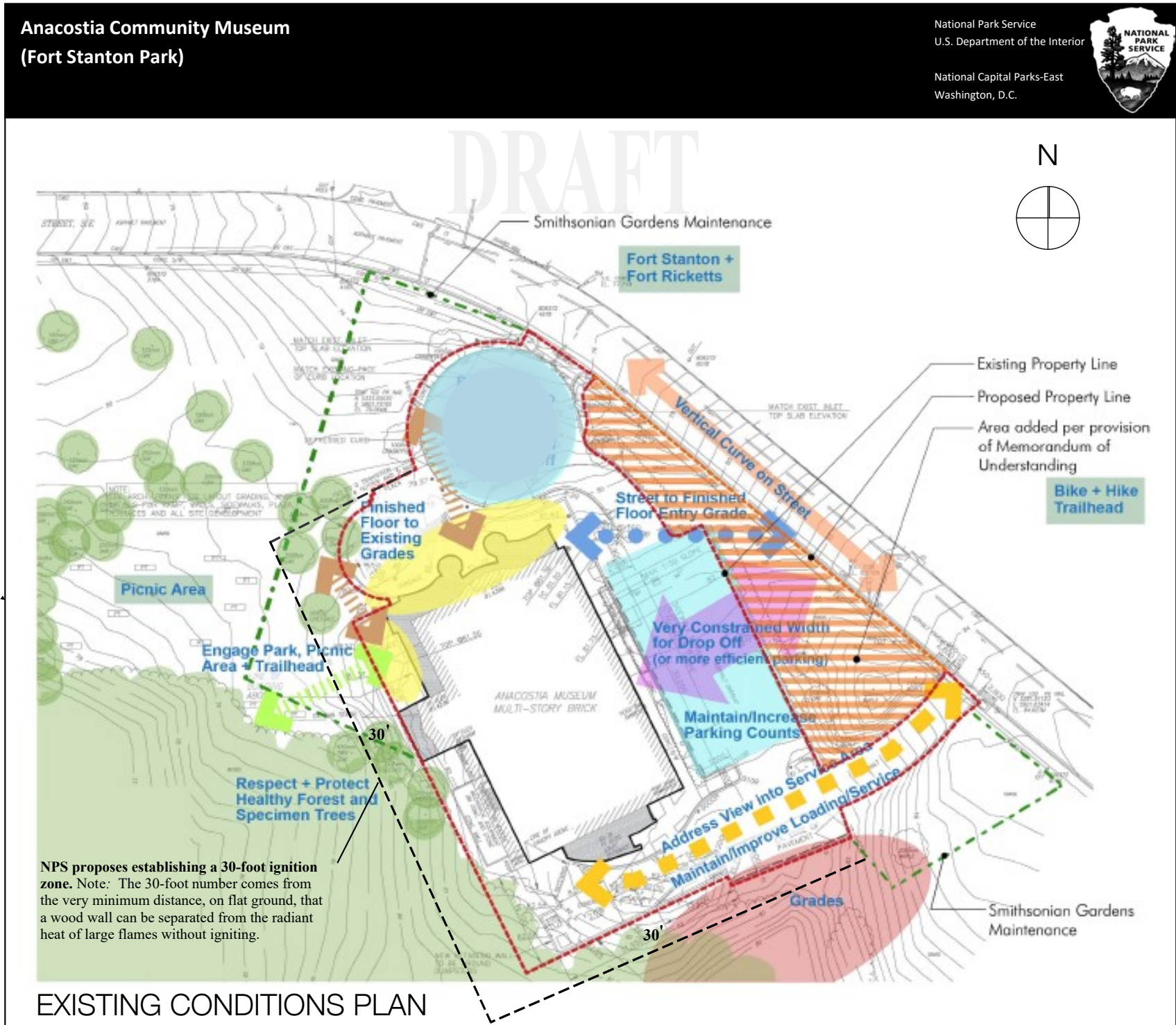




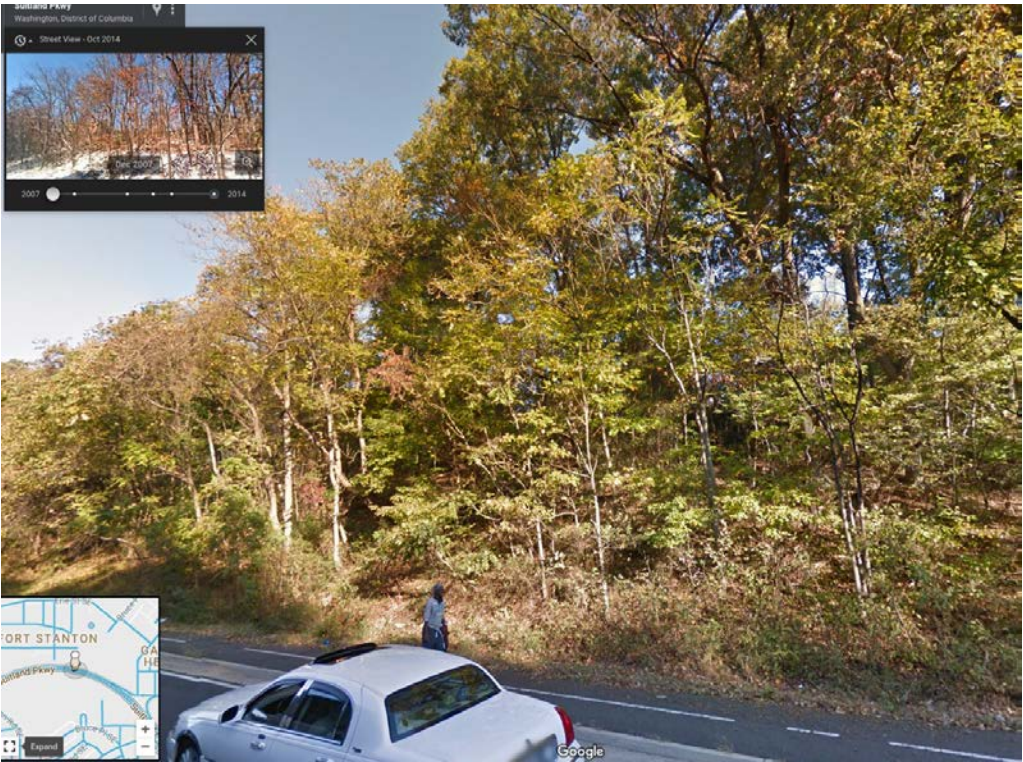
VICINITY MAP



LOCATION MAP



"The referenced exhibit reflects the current boundaries of the property occupied by the Smithsonian Institution (SI) per its agreement with the National Park Service (NPS). It is likely that there will be some minor negotiated adjustments to the boundary line during future discussions between the two entities." (This Exhibit provided by the Smithsonian Institution).



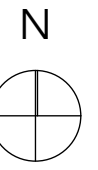
VIEW
A

WESTBOUND ON SUITLAND PARKWAY, SE, LOOKING NORTH
(South of Anacostia Community Museum)



VIEW
B

WESTBOUND ON SUITLAND PARKWAY, SE, LOOKING NORTH
(Southeast of Anacostia Community Museum)



Anacostia Community Museum EXISTING CONDITIONS (Neighborhood Context)

Smithsonian Institution

cox graae + spack architects

2017 September 01

ANACOSTIA COMMUNITY MUSEUM





VISITORS' ENTRANCE: VIEW SOUTHEAST FROM MAIN ENTRANCE



VISITORS' ENTRANCE: PICK-UP | DROP-OFF CIRCLE



TYP. WALL
SITE LIGHTING



DECORATIVE RAILING



STAFF/SERVICE ENTRANCE



MAIN ENTRANCE: STAIRS AND DECORATIVE RAILING



PARKING AREA: VIEW NORTH TOWARD EXIT

SITE FEATURES

- EXISTING TREES TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING LAWN
- EXISTING SHRUBS
- EXISTING ANNUALS & PERENNIALS

CRAPEMYRTLE

FRINGE TREE

FORT PLACE

DOGWOOD
REDBUD

OAK

MAPLE

HONEY LOCUST

ANACOSTIA COMMUNITY MUSEUM
(SMITHSONIAN INSTITUTION)

CRAPEMYRTLE

KEY

- 1 DRIVEWAY & BUS LAYOVER AREA
- 2 ENTRY PLAZA & GATHERING AREA (CONCRETE)
- 3 STAIRS (CONCRETE)
- 4 SITE SIGNAGE & FLAGPOLES
- 5 PARKING LOT
- 6 EXISTING LANDSCAPE TO REMAIN
- 7 SERVICE ENTRANCE
- 8 ADA WALKWAY FROM MUSEUM TO FORT PLACE (CONCRETE)
- 9 MAIN ENTRANCE
- 10 EXISTING TERRACE
- 11 EXISTING PATIO
- 12 SERVICE DOCK
- 13 EXISTING UTILITY POLE

0 4000 8000 12000
Scale: 1:200 METERS





1 ENTRY DRIVE IMPROVEMENTS

- IMPROVE ENTRY AISLE GRADING
- PROVIDE A BUS DROP-OFF AREA THAT CAN ACCOMMODATE TOUR BUSES

2 PARKING LOT IMPROVEMENTS

- PROVIDE ADA ACCESSIBLE PARKING LOT THAT CAN BE USED FOR GATHERINGS AND EVENTS

3 FRONT LAWN ENHANCEMENTS

- ENHANCE THE STREET EDGE ALONG FORT PLACE
- ACCOMMODATE STORMWATER MANAGEMENT
- PROVIDE PEDESTRIAN ACCESS FROM FORT PLACE

4 ENTRY PLAZA ENHANCEMENTS

- PROVIDE ACCESSIBLE STAIRS TO FRONT ENTRANCE
- CREATE A MULTI-FUNCTIONAL PLAZA AREA THAT CAN ACCOMMODATE OUTDOOR EVENTS & LEARNING OPPORTUNITIES

- FRONT LAWN ENHANCEMENTS
- ENTRY PLAZA IMPROVEMENTS
- ENTRY DRIVE & PARKING IMPROVEMENTS

SITE FEATURES

PROPOSED TREES

- + AMELANCHIER
- + ARNOLD PROMISE WITCH HAZEL
- + RED OAK, RED MAPLE, OTHER TBD

PROPOSED SHRUBS

- DOUBLE KNOCKOUT ROSE
- RED TWIG DOGWOOD
- OTTO LUYKEN ENGLISH LAUREL
- NIGRA INKBERRY
- SNOW QUEEN OAKLEAF HYDRANGEA
- BLACK CHOKEBERRY
- ARROWWOOD VIBURNUM

FLOWERING BULBS

- WHITE DAFFODIL
- WHITE CROCUS

RAIN GARDEN

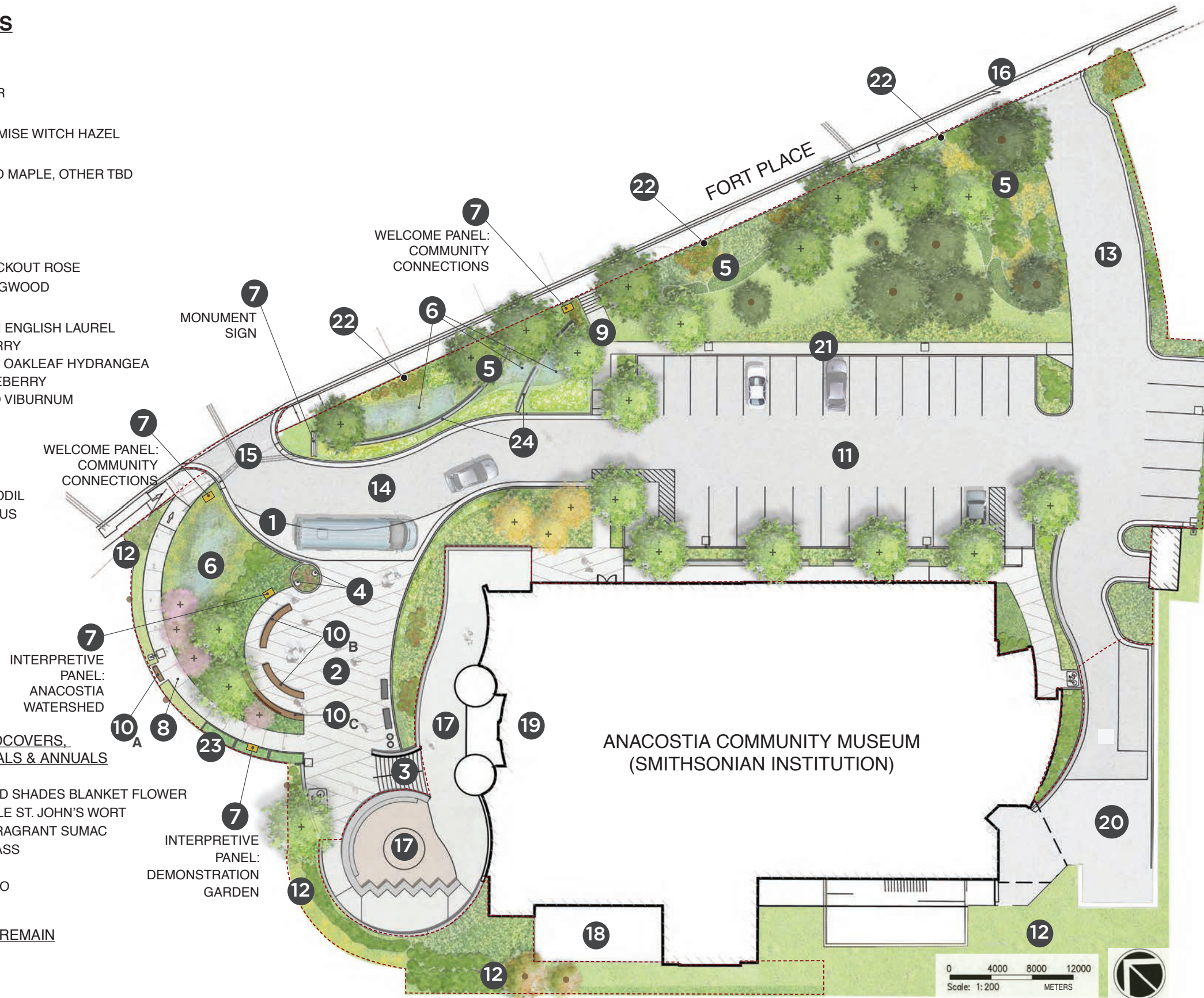
- SOFT RUSH

LAWN

PROPOSED GROUNDCOVERS, GRASSES, PERENNIALS & ANNUALS

- ARIZONA RED SHADES BLANKET FLOWER
- GOLDEN RULE ST. JOHN'S WORT
- GRO-LOW FRAGRANT SUMAC
- SWITCH GRASS
- BEE BALM
- FALSE INDIGO

EXISTING TREES TO REMAIN



- 1 DRIVEWAY & BUS LAYOVER AREA
- 2 ENTRY PLAZA & LEARNING / EVENT AREA (CONCRETE)
- 3 NEW STAIRS (CONCRETE)
- 4 FLAGPOLES
- 5 LANDSCAPE BUFFER ALONG FORT PLACE
- 6 BIORETENTION SWALE
- 7 SIGNAGE (SEE PLAN FOR TYPE)
- 8 ADA WALKWAY (CONCRETE)
- 9 WALKWAY (CONCRETE)
- 10A RECTANGULAR BACKLESS BENCH
- 10B CURVILINEAR BACKLESS BENCH
- 10C CURVILINEAR BACKLESS/BACKED BENCH
- 11 MULTI-PURPOSE PARKING LOT (ASPHALT)
- 12 EXISTING LANDSCAPE TO REMAIN
- 13 SERVICE ENTRANCE - SITE EXIT (ASPHALT & RAMP) (CONCRETE)
- 14 NEW DRIVE APRON (ASPHALT)
- 15 MODIFIED EXISTING CURB CUT (CONCRETE)
- 16 EXISTING CURB CUT TO REMAIN
- 17 EXISTING TERRACE
- 18 EXISTING PATIO
- 19 MAIN ENTRANCE
- 20 SERVICE DOCK
- 21 NEW SIDEWALK (CONCRETE)
- 22 EXISTING UTILITY POLE
- 23 CAST CONCRETE RAISED PLANTER
- 24 RETAINING WALL

--- LIMITS OF SITE DESIGN AREA

0 4000 8000 12000
Scale: 1:200 METERS





LIGHTING CONTROL CONCEPT NOTES:

- A. FIXTURE TYPE 'B' AND 'B1' SHALL BE OFF DURING HOURS OF OPERATION (7AM-6PM) AND MOTION SENSOR-CONTROLLED AFTER HOURS (6PM-7AM) FOR SECURITY.
- B. FIXTURE TYPE 'C' SHALL BE FOR EGRESS WITH INTEGRAL PHOTOCELL FOR DUSK TILL DAWN OPERATION.
- C. EXISTING SIGN LIGHTS WILL RELOCATE TO NEW SIGN LOCATION.

SITE LIGHTING KEY

- | | | | |
|--|--|---|--|
| EXISTING FIXTURE (TO REMAIN) | | NEW FIXTURE (NEW LOCATION) | |
| EXISTING FIXTURE (TO BE REINSTALLED AT CURRENT LOCATION) | | NEW FIXTURE (EXISTING LOCATION) | |
| EXISTING FIXTURE (NEW LAMPING) | | NEW FIXTURE (EXISTING LOCATION, RE-WIRED FROM CURRENT LOCATION) | |
| EXISTING BOLLARD, NEW LOCATION | | | |

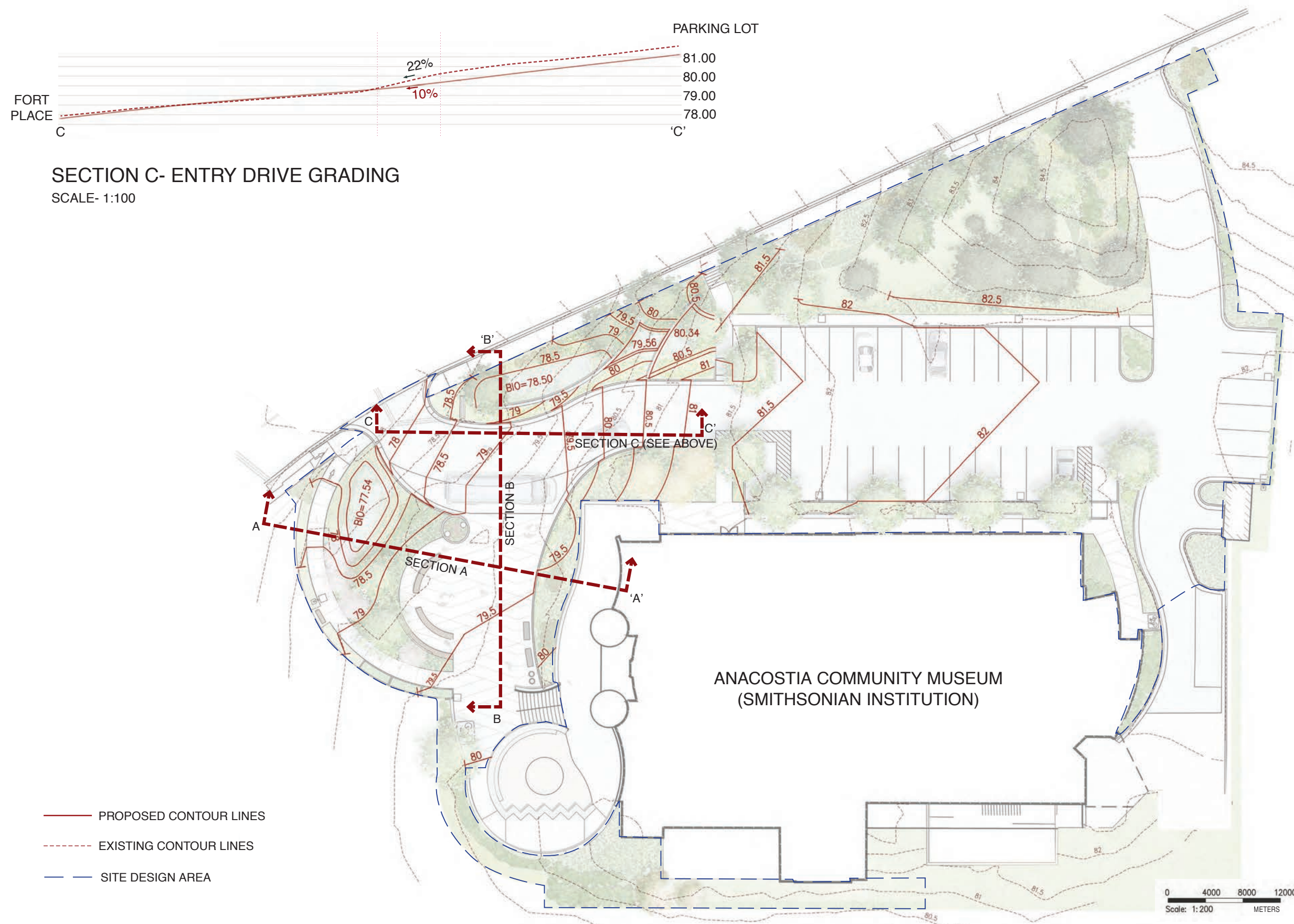
FIXTURE KEY

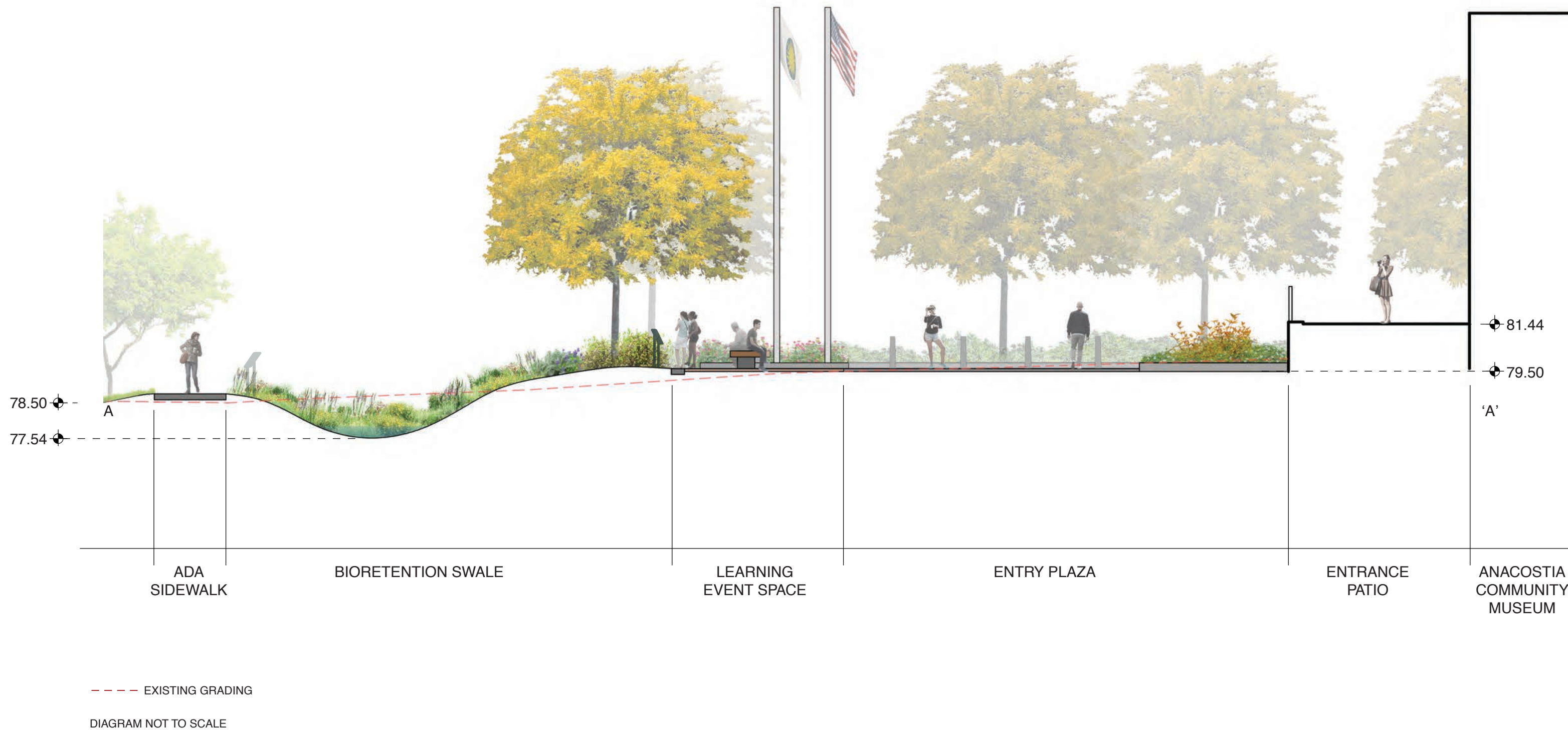


NOTE: SEE SHEET 23 FOR FIXTURE SPECIFICATIONS.

Anacostia Community Museum RENDERED SITE PLAN (Site Lighting)

Smithsonian Institution







--- EXISTING GRADING

DIAGRAM NOT TO SCALE

Anacostia Community Museum ENTRY PLAZA (Proposed Site Section B)

Smithsonian Institution



EXISTING BUILDING FACADE & LANDSCAPE MATERIALS



CURVILINEAR BACKLESS & COMBINATION BACKLESS/ BACKED BENCHES



RECTANGULAR BACKLESS BENCHES



WELCOME / INTERPRETIVE PANELS

STREETLIFE®

Product Sheet

Rough&Ready Curve

Curved bench with radial mounted beams, extendable with extension set

Product Code

R&R-C-200-60 / R&R-C-200-60-Ext

Dimensions

ca. 200x60x45cm | 79x24x18" (lwxzh)

Weight

ca. 155kg (plain, no accessories)

Materials

Seat: timber, untreated 100% Hardwood (Louro Gamela)
20 beams (7x15cm | 2.8x5.9") ca. 60cm | 24" depth
Mounted in Streetlock® comb system

Legs: open rectangular shaped leg of hot dip galvanized steel
Comb: set of two curved profiled combs of hot dip galvanized steel

Mounting equipment

Pin-torx bolt mounting using supplied specialty tools

Available accessories

Double beam backrest 100% Hardwood convex planed on one side
Armrest in stainless steel with micro-peen finish
Seat in black recycled plastic (All Black)

STREETLIFE®

Packing unit	Pre mounted seat modules and separate legs
Surface attachment	Each support has two holes for M12 bolts to connect to pavement or concrete
Cleaning & Maintenance	Timber: with clear water and soft brush or cloth; do not use high pressure cleaner or similar (this can open up the wood grain and make the surface coarse). The timber can be gently sanded every 2-3 year (in the direction of the wood grain) Steel supports: with clear water and brush or high pressure water cleaner (avoid the timber seat)
Rendering	
Minimum diameter	Seating depth 40cm 16" - minimum outer diameter: ca. 3m 118" Seating depth 50cm 20" - minimum outer diameter: ca. 4m 158" Seating depth 60cm 24" - minimum outer diameter: ca. 5m 197"

*Metric units are leading

Design: Streetlife
Protected by int. Modeldepots & Patents

Anacostia Community Museum

Smithsonian Institution

ENTRY PLAZA (Proposed Site Furnishings)

15

Cgs

RHODESIDE & HARWELL

APPLICABLE BUILDING CODES
2011 NATIONAL ELECTRIC CODE
2012 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL ENERGY CONSERVATION CODE
2012 INTERNATIONAL EXISTING BUILDINGS CODE
2012 INTERNATIONAL FIRE PROTECTION CODE
2012 INTERNATIONAL FUEL GAS CODE
2012 INTERNATIONAL MECHANICAL CODE
2012 INTERNATIONAL PLUMBING CODE
DC LAW 8-36 DISTRICT OF COLUMBIA ENVIRONMENTAL POLICY ACT
OF 1989
DCMR TITLE 12 BUILDING CODE REGULATIONS 2013
DCMR TITLE 11 ZONING REGULATIONS
DCMR TITLE 13 ELECTRICAL AND MECHANICAL
GREEN BUILDING ACT OF 2006
ICC / ANSI A117.1 ACCESSIBILITY CODE 2009
DC HEALTH REGULATIONS FOR FOODSERVICE ESTABLISHMENTS
NFPA 13 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS
NFPA 70 NATIONAL ELECTRICAL CODE
NFPA 72 NATIONAL FIRE ALARM
NFPA 101 LIFE SAFETY CODE

SFPE ENGINEERING GUIDE TO PERFORMANCE BASED FIRE
 PROTECTION
 ICC PERFORMANCE CODE FOR BUILDINGS AND FACILITIES (ICCPC)
 NFPA 101, CHAPTER 5

ALL OTHER APPLICABLE GUIDELINES AND STANDARDS AS LISTED IN:
SMITHSONIAN INSTITUTION OFEO CODES, STANDARDS AND
GUIDELINES, REVISED FEBRUARY 15, 2012

CONSTRUCTION TYPE

EXISTING - II-B PROTECTED NON-COMBUSTIBLE

USE GROUP

GROUP A-3 – ASSEMBLY
MIXED-USE, NON SEPARATED ACCESSORY OCCUPANCIES
B – BUSINESS
S – STORAGE

ALLOWABLE HEIGHT AND BUILDING AREA PER TABLE 503
GROUP A-3, TYPE II-B SPRINKLERED

STORIES	2
AREA	882.58 SM (9,500 SF)
HEIGHT	16.76 M (55'-0")

STORIES 4 STORIES ABOVE GRADE
INCLUDES 2 PENTHOUSE
STORIES

PROJECT HEIGHT 11.89 M (39'-0") FROM GRADE
PLANE TO TOP OF
PENTHOUSE PARAPET

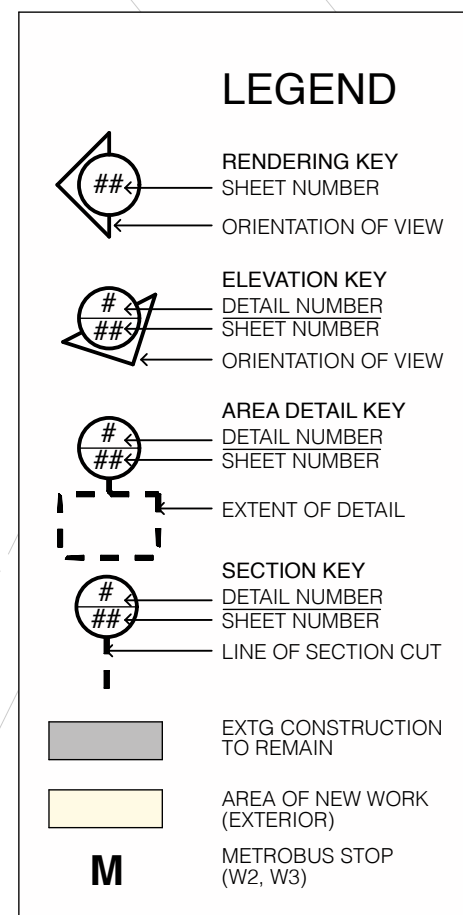
ALLOWABLE BUILDING AREA FOR AUTOMATIC SPRINKLER SYSTEM AND FRONTAGE INCREASE PER SECTION 506

6072.14 SM (65,360 SF)

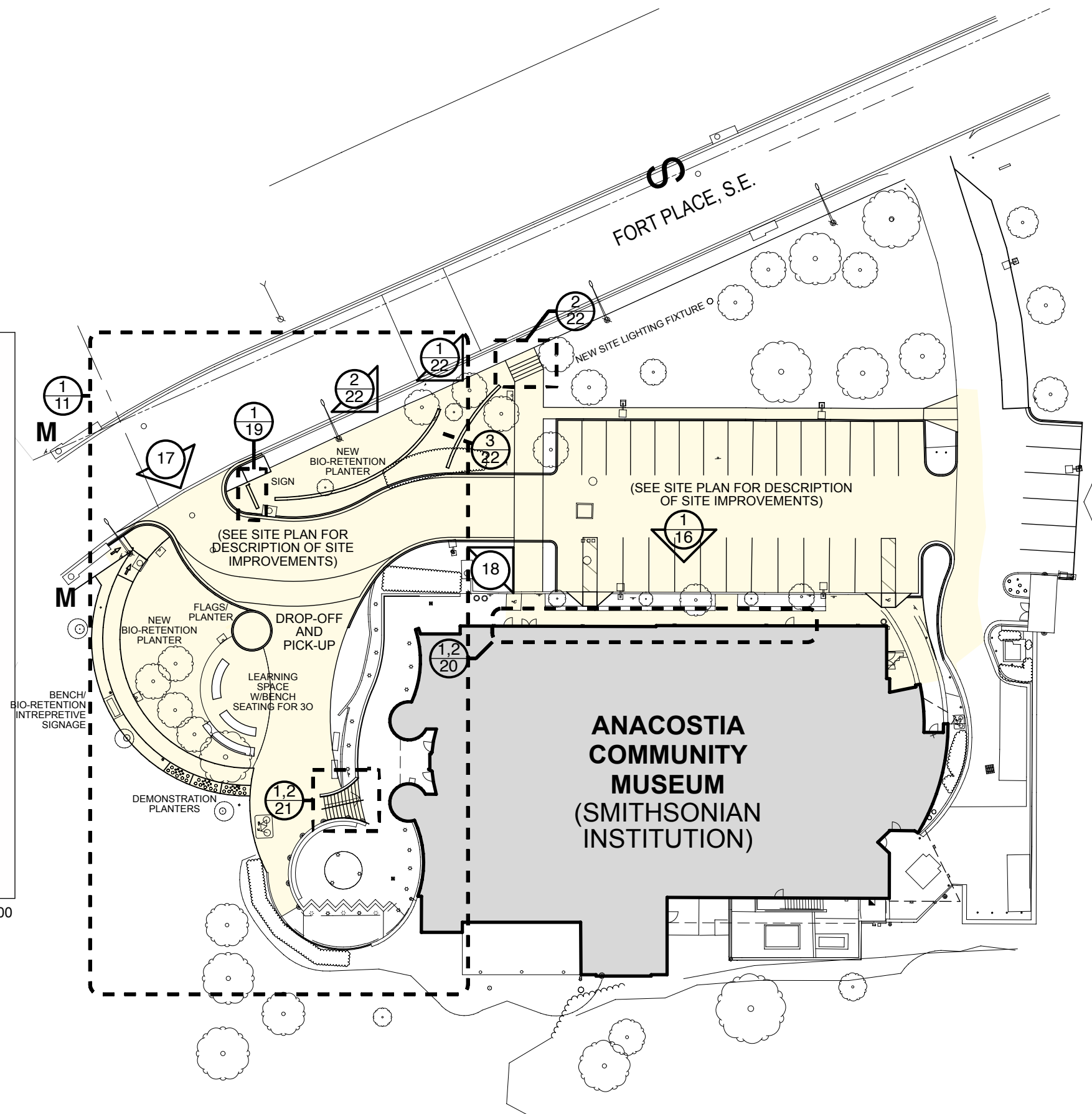
BUILDING FOOTPRINT 1735.80 SM (18,684 SF)

BUILDING FLOOR AREA

FIRST FLOOR	1735.80 SM (18,684 SF)
SECOND FLOOR	1217.87 SM (13,109 SF)
LOWER PENTHOUSE	220.96 SM (6,684 SF)
UPPER PENTHOUSE	628.91 SM (2,464 SF)
OVERALL TOTAL SM	3,803.54 SM (40,941 SF)

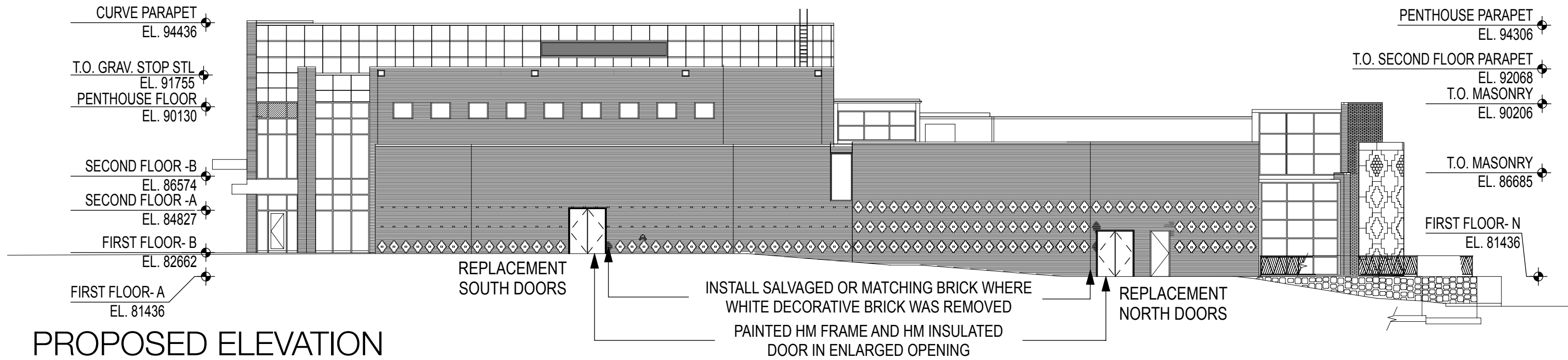


SCALE 1:500



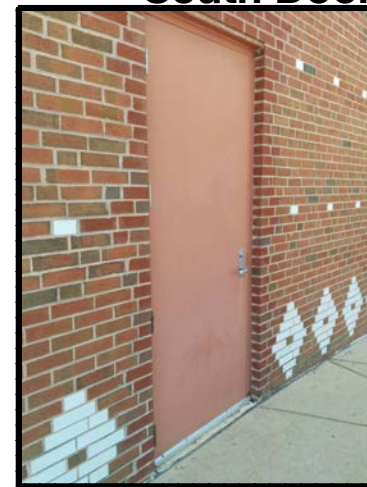
PLAN
NORTH



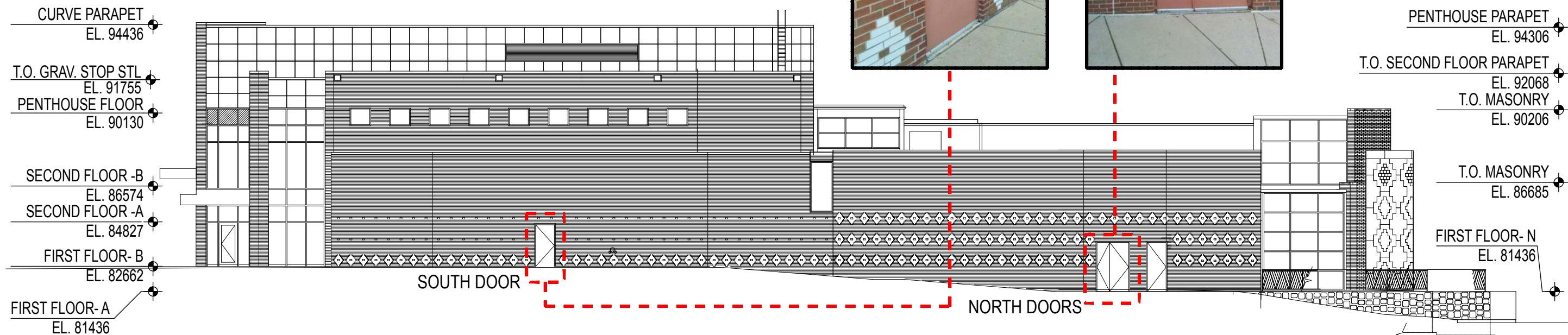
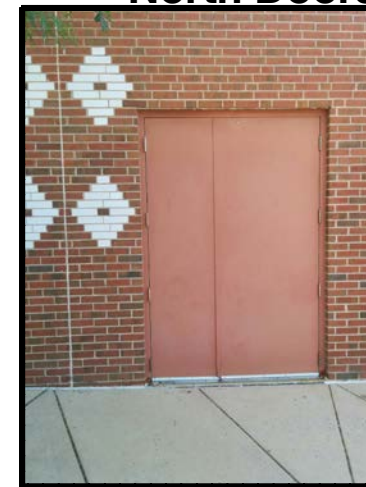


East Elevation

South Door



North Doors



EXISTING ELEVATION

Anacostia Community Museum EAST ELEVATION

Smithsonian Institution

SCALE 1:200

cox graae + spack architects

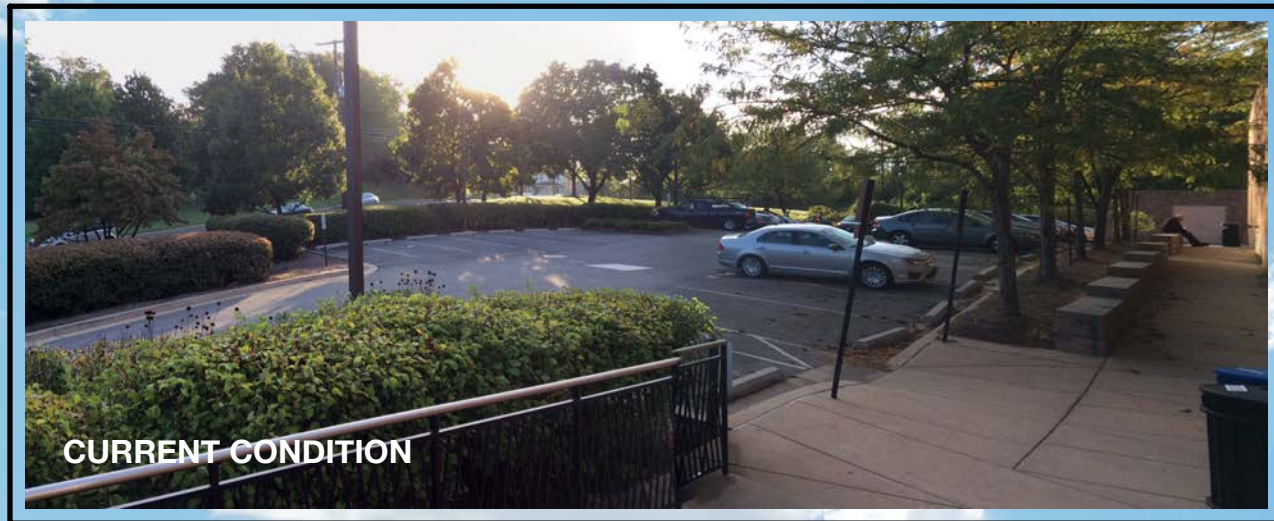
2017 September 01



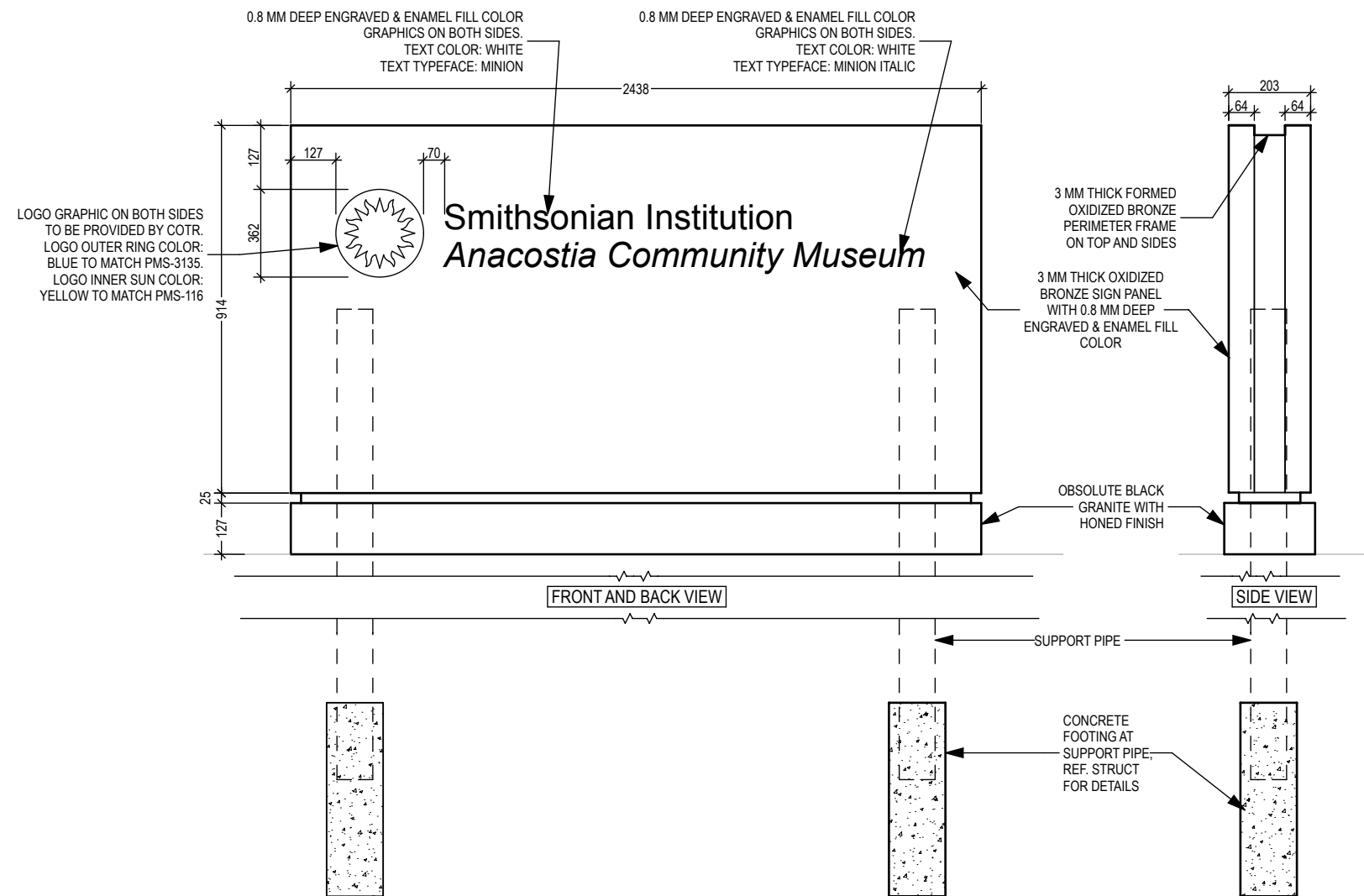
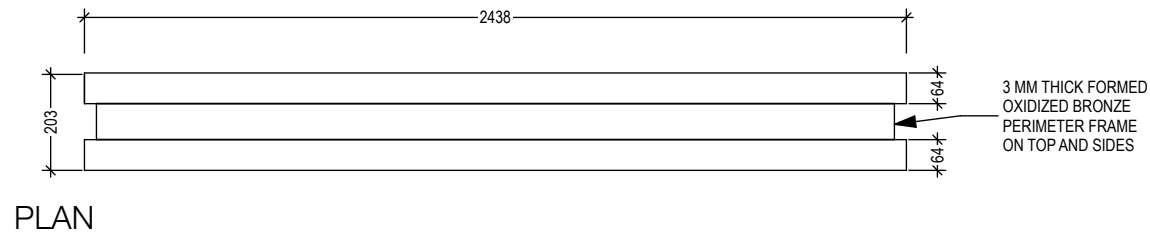
CURRENT CONDITION



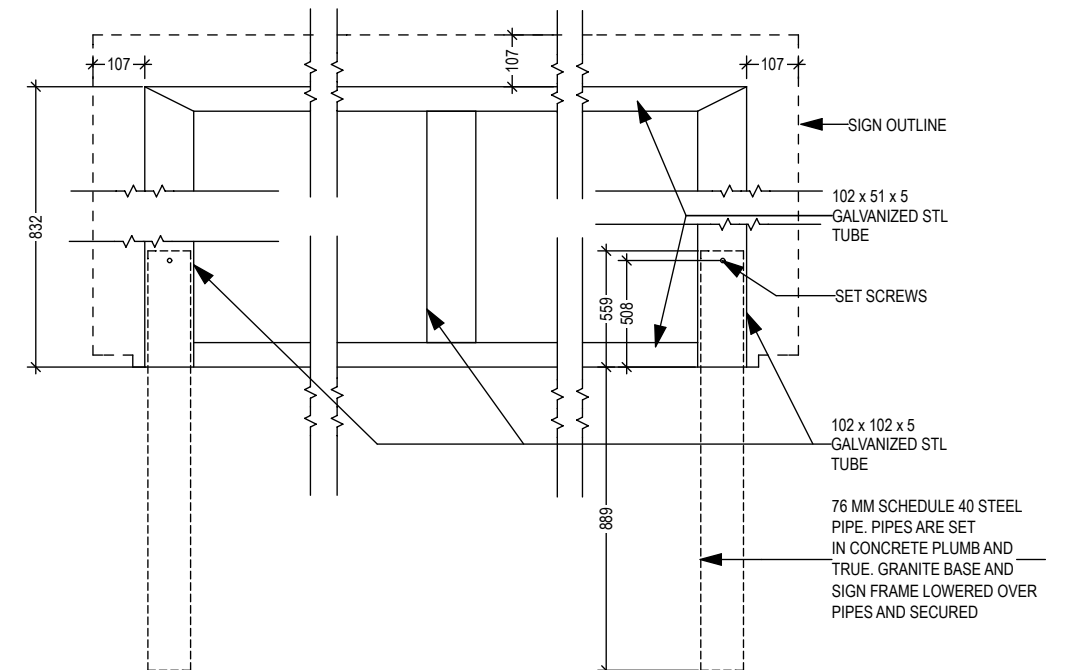
VIEW TOWARDS PROPOSED ENTRANCE PLAZA



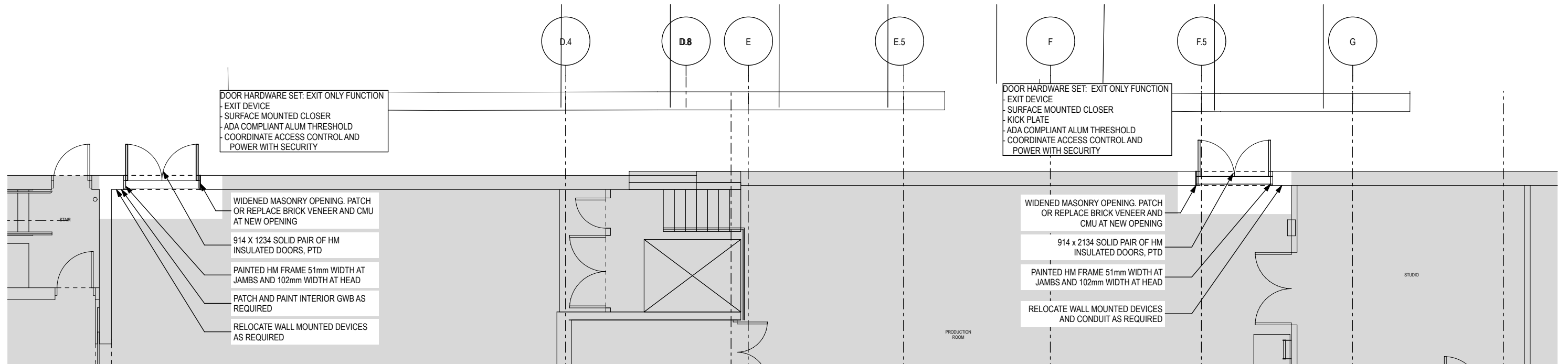
VIEW TOWARDS PROPOSED OUTDOOR PROGRAM SPACE / PARKING LOT



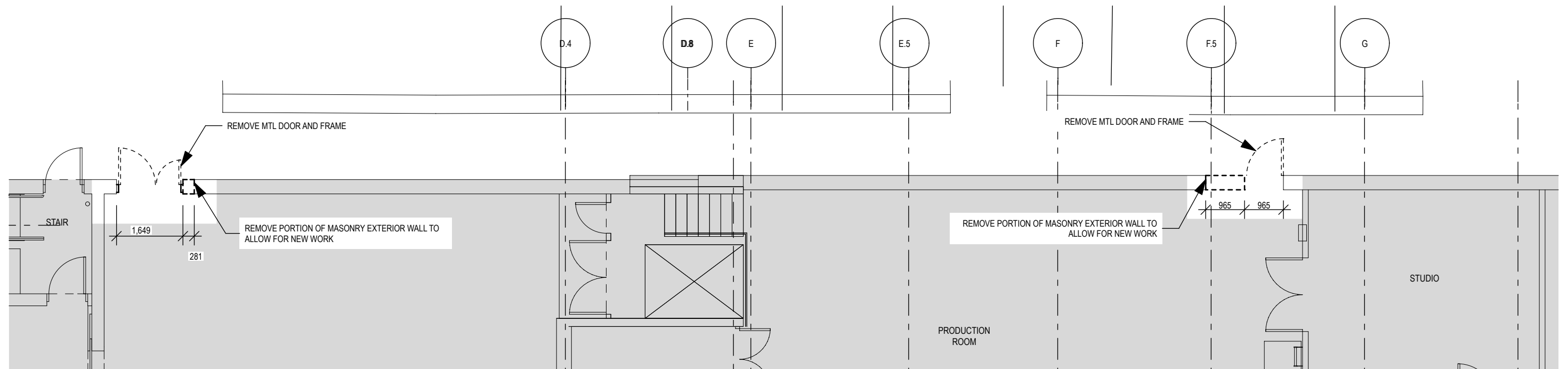
A. FRONT ELEVATION



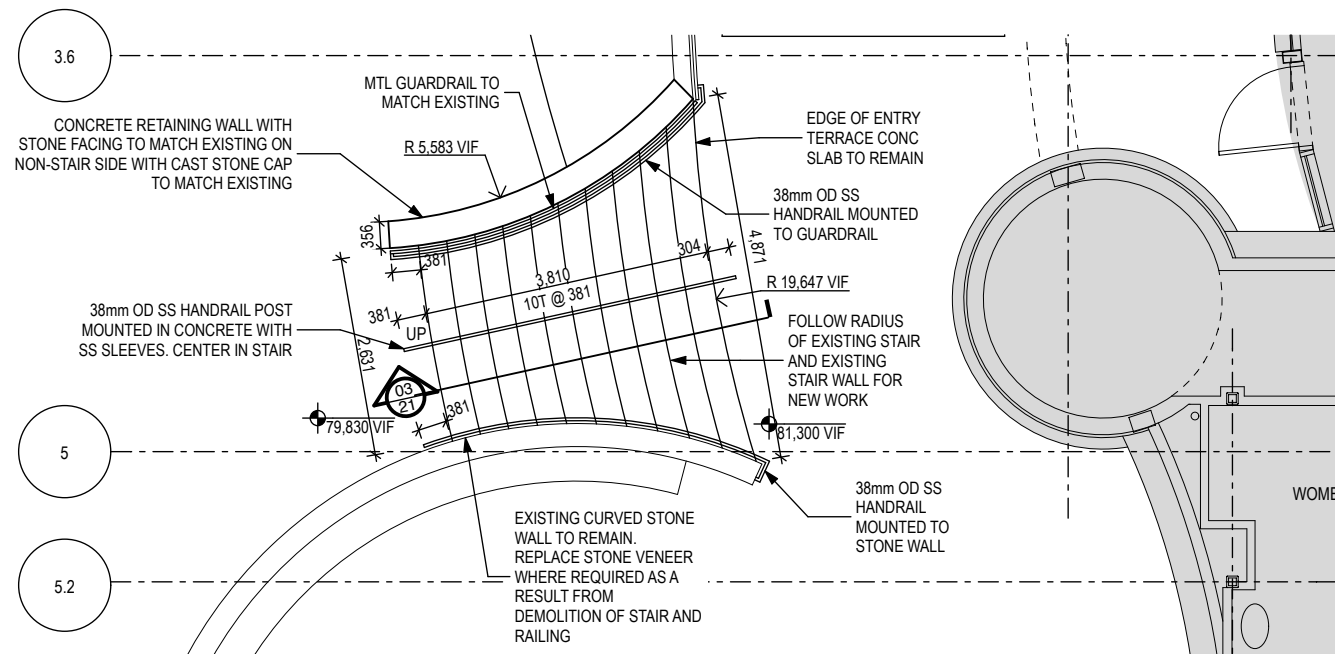
B. REAR ELEVATION



1
21 ENLARGED FIRST FLOOR PLAN AT EAST DOORS (PROPOSED)
SCALE: 1:100



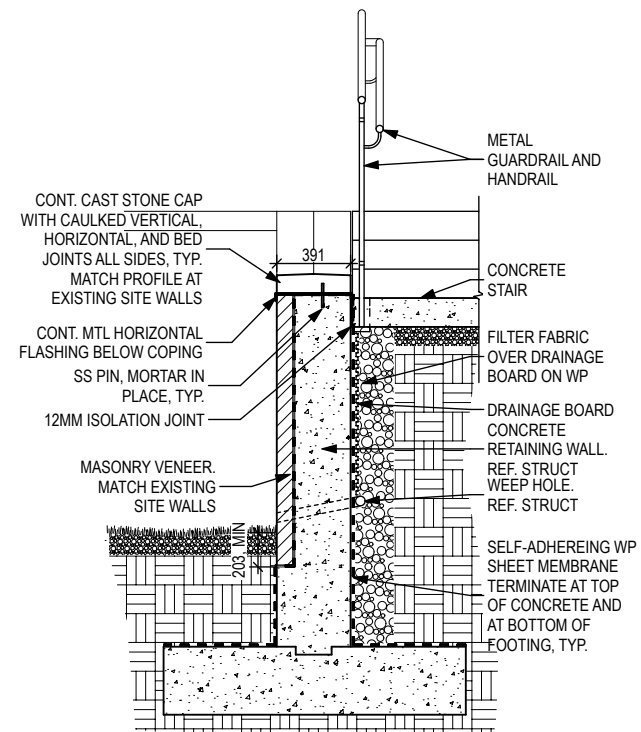
2
21 ENLARGED FIRST FLOOR PLAN AT EAST DOORS (EXISTING CONDITION)
SCALE: 1:100



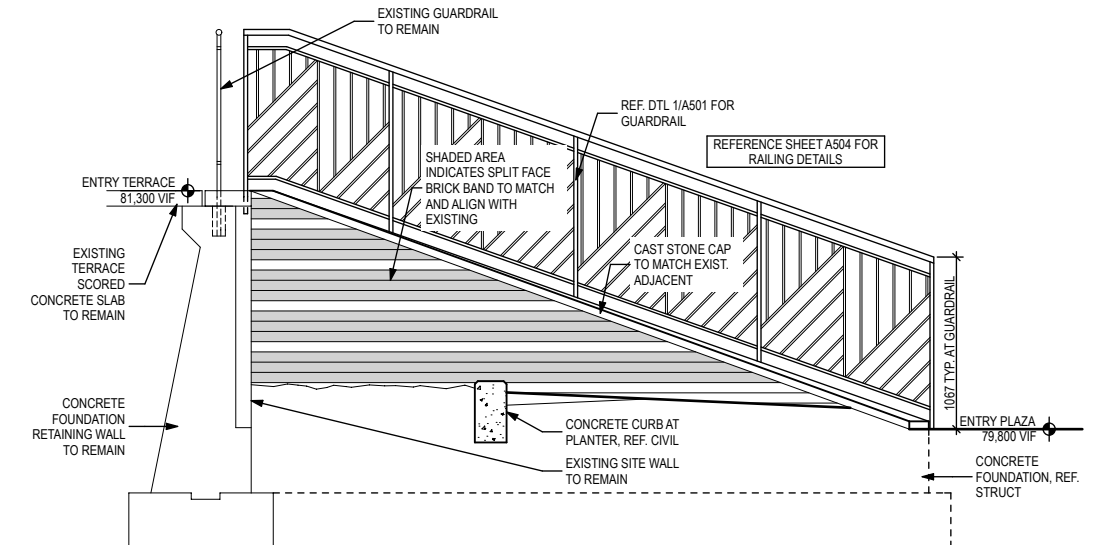
A. PLAN

VISITORS' ENTRANCE SITE STAIR DETAILS (PROPOSED)

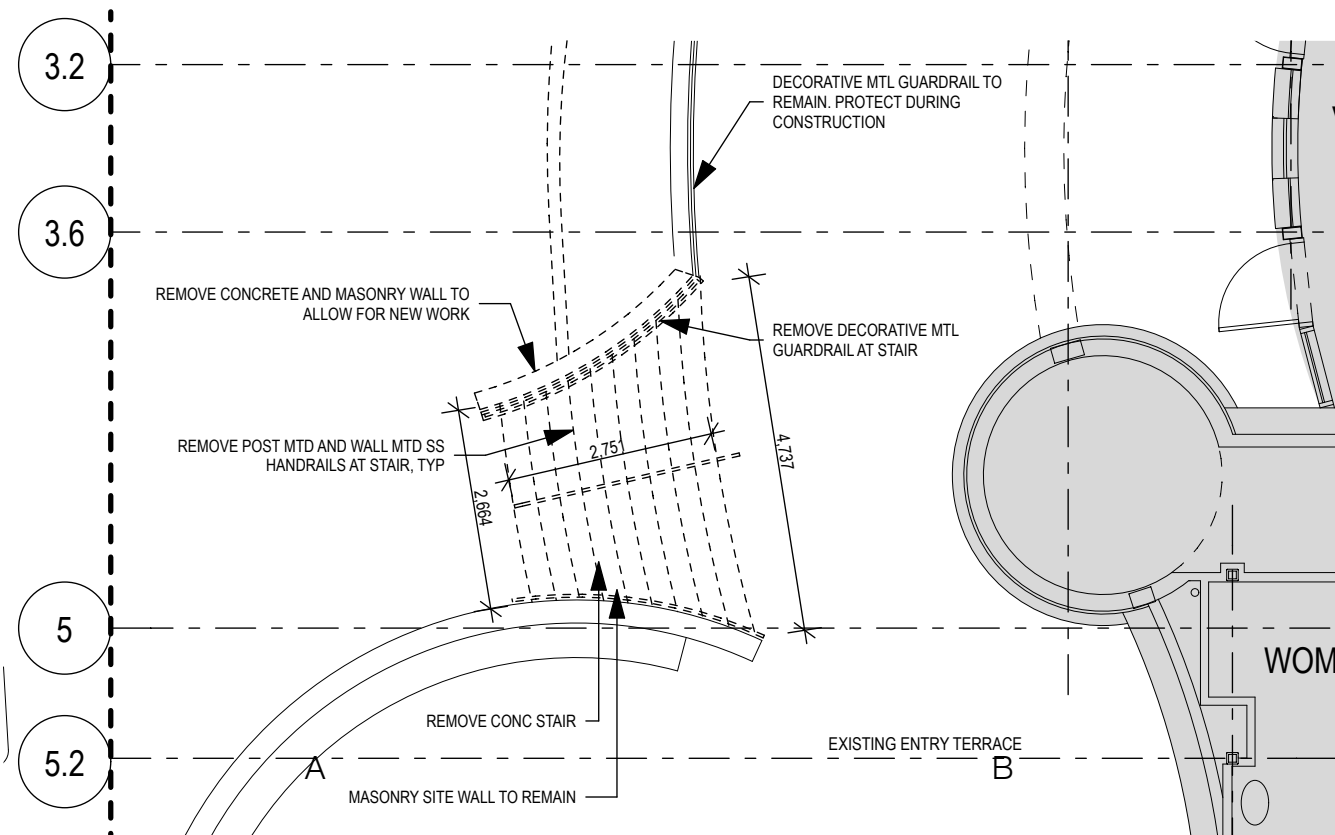
SCALE: 1:100



B. SECTION

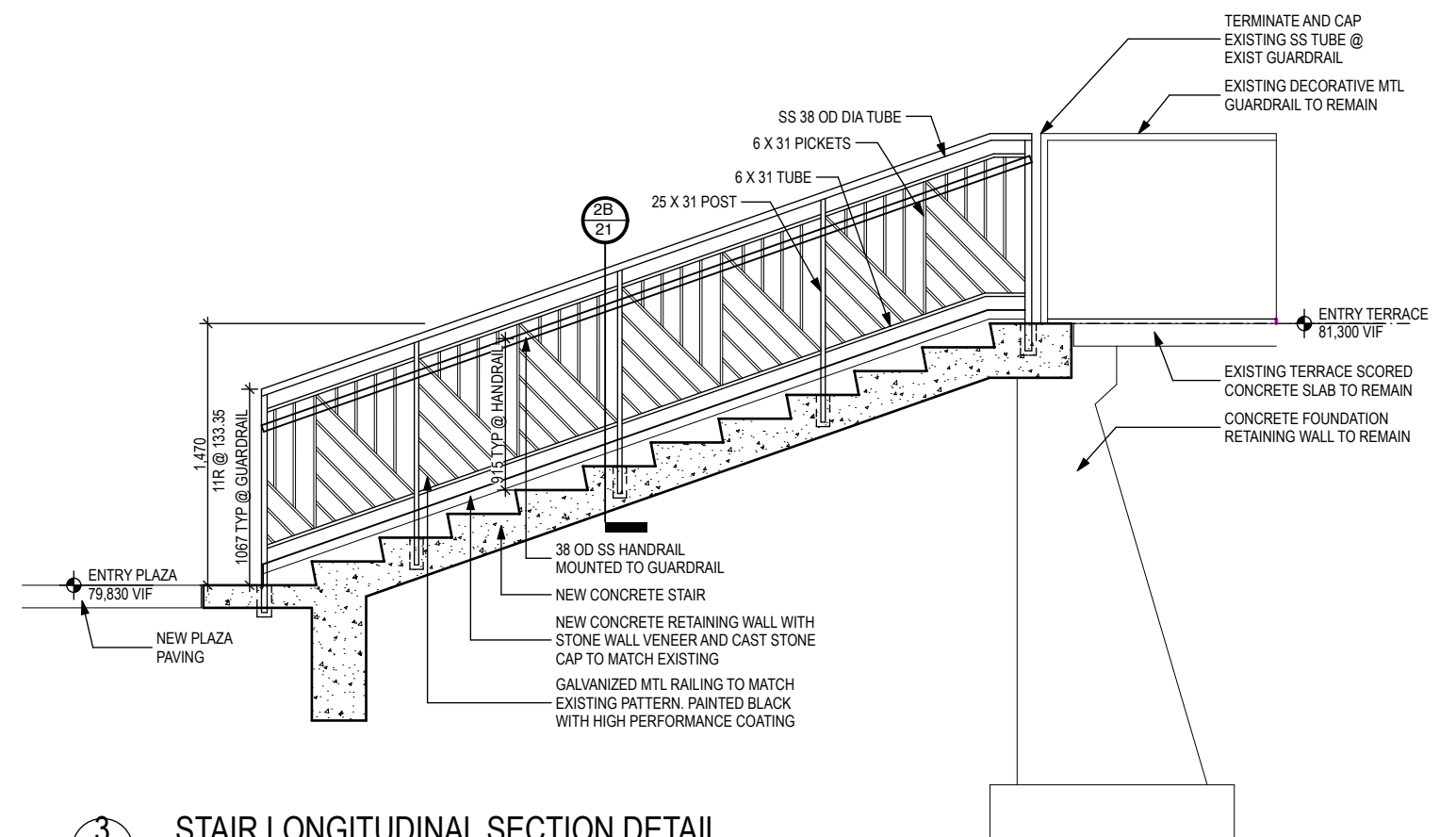


C. SIDE ELEVATION



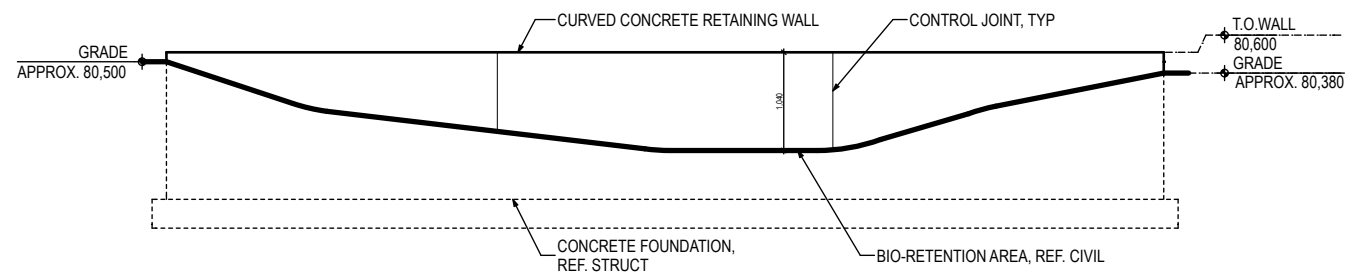
VISITORS' ENTRANCE SITE STAIR (EXISTING)

SCALE: 1:100

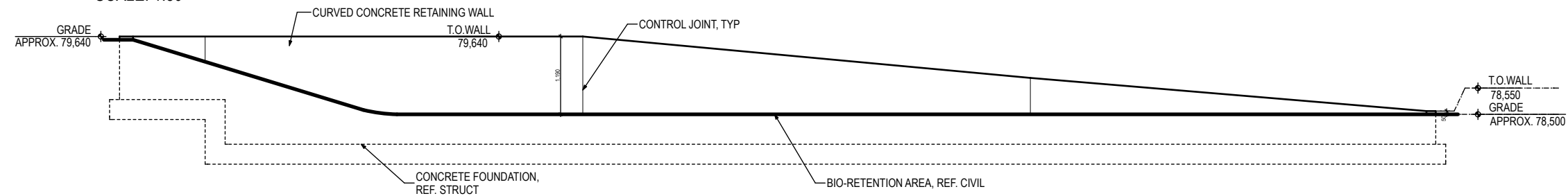


STAIR LONGITUDINAL SECTION DETAIL

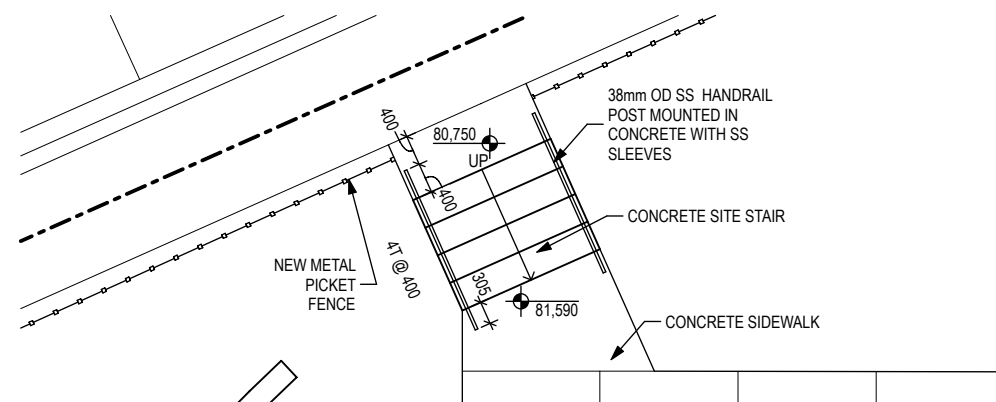
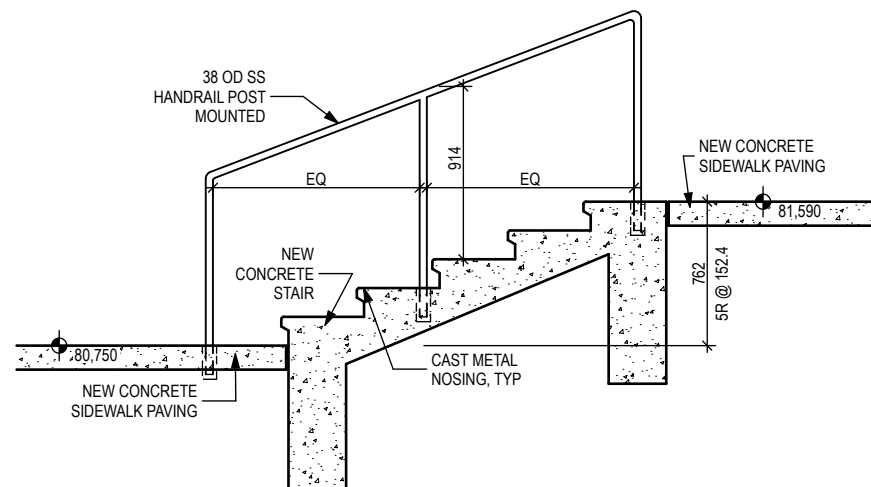
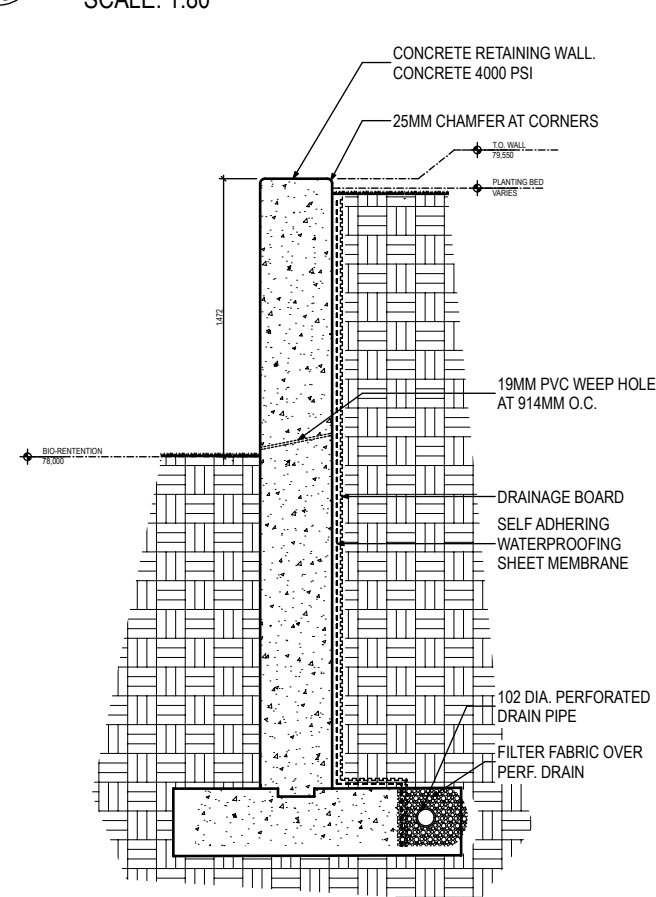
SCALE: 1:40



1
23 SITE RETAINING WALL AT BIORETENTION WALL
SCALE: 1:80



2
23 SITE RETAINING WALL AT BIORETENTION WALL
SCALE: 1:80



4
23 STAIRS TO FORT PLACE, SE
SCALE: 1:100

Mast arm not included

KAD LED

LED Area Luminaire with Mast Arm Mount

For the full KAD product range, please refer to the full KAD product range page.

Specifications

EPA:	1.2 ft ² (0.11 m ²)
Length:	17-1/2" (44.5 cm)
Width:	17-1/2" (44.5 cm)
Height:	7-1/8" (18.1 cm)
Weight (max):	36 lbs. (16.3 kg)

Introduction

The Contour® Series luminaires offer traditional square dichroics with softened edges for a versatile look that complements many applications. The KAD LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in area lighting applications with typical energy savings of 70% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: KAD LED 40C 1000 40K RS MVOLT KMA DDBXC

KAD LED		Data center		Distribution		Mounting ¹					
Series	LEDs	Size	Current	CC ²	Beam	Voltage	Shipped separately				
KAD LED	20C	20 LEDs	550	550 mA	3000K	R2 Type B	MVOLT	277	Shipped separately KMA Mast arm external fixture ³		
	30C	30 LEDs	700	700 mA	4000K	R3 Type B	120 ⁴	347 ⁴			
	40C	40 LEDs	1000	1000 mA	50K	R4 Type B	208 ⁴	480 ⁴			
	60C	60 LEDs				RS Type V	240 ⁴				
Option		Finish		Shipped separately ⁵		Finish					
Shipped installed											
PWR Mount luminaire back-fan wire-mount only (see Contour® 1)		PWR/FCW	Mount luminaire on back, 8-15" mounting height, ambient error enabled at 10%.		PWR/FCW	Partridge, dim 0.5 watt		DDBXD	Dark bronze	DDBTD	Textured dark bronze
PDR See wire-mount only (see Contour® 1)		PWR/FCW	Mount luminaire on back, 15-30" mounting height, ambient error enabled at 10%.		PWR/FCW	Partridge, dim 1"		DDBXD	Black	DDBTD	Textured black
DF Double fan (20, 30, 40, 60C)		PWR/FCW	Mount luminaire on back, 15-30" mounting height, ambient error enabled at 10%.		PWR/FCW	Partridge, dim 1"		DDBXD	Natural aluminum	DDBTD	Textured natural aluminum
PWR Mount luminaire on back, 8-15" mounting height, ambient error enabled at 10%.		BL30	Bi-level switched dimming, 35W ⁶		BL30	Partridge, dim 1"		DDBXD	White	DDBTD	Textured white
PWR Mount luminaire on back, 15-30" mounting height, ambient error enabled at 10%.		BL30	Bi-level switched dimming, 35W ⁶		BL30	Partridge, dim 1"		DDBXD	White	DDBTD	Textured white

Accessories

Order the following accessories separately:

DL122T 1.5 ft	Partridge 1/2 inch back (1.2-277V) ⁷
5F	Single fan (1.2, 277, 347V)
DF Double fan (20, 30, 40, 60C)	Partridge 1/2 inch back (1.2-277V) ⁷
DL122T 1.5 ft	Partridge 1/2 inch back (1.2-277V) ⁷
DL122T 1.5 ft	Shredding cap
KMA20C/24C	Mast arm holder for 20/24 inch
KMA30C/36C	Mast arm holder for 30/36 inch
KMA40C/48C	Mast arm holder for 40/48 inch
KMA60C/72C	Mast arm holder for 60/72 inch
KMA60C/72C	Mast arm adapter (specify finish)
KMA60C/72C	Wire guard assembly

For more control options, see 277V and 347V LEDs online.
⁷Mounting post max height is 3.25" O.D. maximum.

NOTES

1. KAD LED driver operates on any line voltage from 120-277V (50/60 Hz). Single line (SP) requires 120, 277 or 347 voltages only. Double line (DL) requires 208, 240 or 480 voltages only.
2. Maximum ambient temperature with 347V or 480V is 30°C.
3. Mast arm located at a separate assembly. Specify finish when ordering.
4. Mast arm not included.
5. Mounting must be performed by a UL-listed firm licensed under ANSI C136.10-2010.
6. PWR and PWR/FCW specify the SensorSwitch (SCS) 10-0-0-0 control. PWR and PWR/FCW specify the SensorSwitch (SCS) 10-0-0-0 control. PWR and PWR/FCW specify the SensorSwitch (SCS) 10-0-0-0 control.
7. Requires an additional switched dimmer with one phase with max luminaires per phase. Supply dimmer and dimmer wiring as required for the luminaire.
8. Dimming driver standard. MACT only. Not available with 347V, 480V, PWR, FCW, BL 30 or BL 30S.
9. Also available as a separate accessory, see Accessories Information.
10. Requires luminaire to be specified with PWR option. Ordered and shipped as a separate line item from Acuity Brand Controls.

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KAD LED KMA
 Rev. 12/2015

FIXTURE TYPE A

[illegible]

FIXTURE TYPE **B**

D-Series Size 1 LED Wall Luminaire

d-Series

Specifications

Luminaire

Width:	13 3/4" (34.9 cm)	Weight:	12 lbs (5.4 kg)
Depth:	10" (25.4 cm)		
Height:	6 3/8" (16.2 cm)		

Back Box (BBW, ELCW)

Width:	13 3/4" (34.9 cm)	5 lbs (2.3 kg)
Depth:	4" (10.2 cm)	10 lbs (4.5 kg)
Height:	6 3/8" (16.2 cm)	

Catalog Number	
Name	
Type	

Introduction

The D-Series Wall Luminaire is a stylish, fully integrated LED solution for building-mod applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series DW1 is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20K 1000 40K T3M MVOLT DBDXTD

DSXW1												
Series	LEDs	Drive Current	Color Temperature	Distribution	Indigo	Mounting	Control Options					
DSXW1LED	10C 101 LEDs (net output)	30K 320mA	30K 3000K	T25 1° Spot Short	120V1 ¹	Shipped installed (black) Surface mounting bracket (BBW Surface-mounted) back box (not available only) ²	Shipped installed					
	530 530mA (net output)	40K 4000K	3000K 3000K	T25 1° Spot Medium	120V2 ¹		PSE ³ Photocell on, button type ⁴					
	20K 201 LEDs (net output)	700 700mA (net output)	50K 5000K	T75 1° Spot Short	208V1 ¹		PSE ³ 0-10V photocell (on controls)					
	1000 1000mA (net output)	AMVIC ⁵ Active phosphor converted	1700 1700K	T180 1° Spot Short	208V2 ¹		PSE ³ 180° wide-area light sensor, <15° ang/ft ⁶					
				T180 1° Spot Short	277V1 ¹		PBN ⁷ 180° wide-area light sensor, 15-30° ang/ft ⁶					
				T180 1° Spot Short	480V1 ¹		PBN ⁷ FCV Microfiber sensor, 8-10 mounting height, anti-reflect mode at 8° ⁸					
DSXW1				ATSP ⁹ Astronomic office			PBN ⁷ FCV Microfiber sensor, 15-30 mounting height, anti-reflect mode at 15° ⁸					
							ELCW Emergency battery back-up (includes external component enclosure) ¹⁰					
Other Options												
Shipped separately					Finish (optional)							
SE Single face (120, 277 or 347V) ¹¹	BSW Ball-dimension optics	DBDD Dark bronze	DSDD Sandstone	DSNDC Textured white								
SE Double face (240, 240 or 480V) ¹¹	WS Wide optics	DBLD Black	DSBTD Textured dark bronze	DSNDC Textured sandstone								
HS Haze-able lens ¹²	NS No-diffused optics	NALD Natural aluminum	DSBLD Textured black									
SPD Separate surge protection ¹³	NO No-diffused optics	DNDD White	DSBTD Textured dark bronze									

Accessories

DSXW1E	Non-tilt, tilt-down, zero-pinch
DSXW1E	Ball-dimension optics
DSXW1E	No guard structure
DSXW1E	Standard guard structure

NOTES

- 1 MVOLT drive operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only ordering with finish (SE, DF, PBN, or photoetched) (PSE optional).
- 2 Only available with 20K, 700mA or 1000mA. Not available with PBN or PBNH.
- 3 Back box ships installed on fixture. Conduit for field-installation is an accessory.
- 4 Photocell (PSE) requires the 1000mA or 208V or 277V back box. Not available with motion-sensor light sensors (PBN or PBNH).
- 5 PBN and PBNH require the 1000mA or 208V or 277V back box. PBNH requires the 1000mA or 208V or 277V back box. See [Ordering Guide](#) for details. Include luminaire part number and luminaire "PSE" option (Surface-type) mounting drive standard. Not available with 20.
- 6 Color-rendering (CRI) 90. Not comparable with similar anti-reflect mode.
- 7 Microfiber sensor (PBN) requires drive standard.
- 8 Anti-reflect mode is a separate accessory. See Accessories information.
- 9 Single face (SE) requires 120, 277 or 347V only. Double face (DF) requires 208, 240 or 480V only options. Not available with ELCW.
- 10 Also available in a separate enclosure. See Accessories information.
- 11 See the Electrical section on page 3 for more details.

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FIXTURE TYPE **B₁**

QLS410 LED 620-2520									
1/2									
									
Description IP68. Surface mounted LED wall luminaire. Suitable for installation over 4" recessed junction box.	<table> <tr> <td>Beam Type</td><td>symmetric, medium beam</td></tr> <tr> <td>Lamp Type</td><td>3 LED BW (3000K)</td></tr> <tr> <td>Gear Type</td><td>electronic gear</td></tr> </table>	Beam Type	symmetric, medium beam	Lamp Type	3 LED BW (3000K)	Gear Type	electronic gear		
Beam Type	symmetric, medium beam								
Lamp Type	3 LED BW (3000K)								
Gear Type	electronic gear								
Nominal Luminous Flux (lm)									
<table> <tr> <td>LED Lumens</td><td>246 lm</td></tr> <tr> <td>LEDs</td><td>3</td></tr> <tr> <td>Total Lumens</td><td>738 lm</td></tr> <tr> <td>Tj</td><td>85 °C</td></tr> </table>	LED Lumens	246 lm	LEDs	3	Total Lumens	738 lm	Tj	85 °C	
LED Lumens	246 lm								
LEDs	3								
Total Lumens	738 lm								
Tj	85 °C								
Rated Luminous Flux (lm)									
<table> <tr> <td>LED Lumens</td><td>189.7 lm</td></tr> <tr> <td>Total Lumens</td><td>568 lm</td></tr> <tr> <td>Ta</td><td>25 °C</td></tr> </table>	LED Lumens	189.7 lm	Total Lumens	568 lm	Ta	25 °C			
LED Lumens	189.7 lm								
Total Lumens	568 lm								
Ta	25 °C								
Rated Input Power	7.7 W								
WE-OF LIGHTING USA LLC 410 S. Holladay Street Bensenville, IL 60086 U.S.A. Tel: +1 704 742 0030 Fax: +1 704 742 0030 info.usa@we-ef.com www.we-ef.com									

FIXTURE TYPE C

ECHO EFFECT IN-GRADE EXTERIOR GROUND EEG1 1958

The Echo Exterior Recessed-In-Ground (also Poured Concrete), fixture is a fully recessed, IP67 Rated non-reflective fixture for wall wash applications. A reflector is designed using premium materials to direct the light up the wall as intended, and minimize glare from behind the fixture. Stainless Steel Ingotale options and lampend glass show the flexibility and thoughtfulness this fixture really is. Various outputs, sizes and mounting orientations allow maximum flexibility in your design.

JENSEN

SPI SPECIFICATIONSHEET

TYPE

WET

IP67

Standard

With SBB/DBB Option

Dimensions

L	W	HA	RA2	RA1	RD1	RD2	RL1	RL2	W1	W2
24.0 in	0.2 in	2.4 in	3.0 in	3.0 in	3.5 in	6.3 in	20.7 in	24.0 in	2.8 in	3.0 in
610	5 mm	61 mm	76 mm	76 mm	89 mm	165	528	610	71 mm	76 mm

Weight

Shipping weight: 25.0 lb (11.4 kg).

Features

- Aluminum construction provides durable protection for internal components and is recyclable.
- Cast aluminum end caps protect internal components and are recyclable.
- Recessed housing has Anodized finish providing optimal thermal efficiency and durable corrosion protection.
- External fasteners are flush mounted, providing a clean design.
- Stainless steel external fasteners will not rust or corrode.
- Premium 304 stainless aluminum is utilized in the highly-efficient and effective reflector design.
- Tempered glass lens protects future lamp/lamp.
- Standard thermoseal polyester powder coat paint provides durable protection in a palette of color options. Custom colors available upon request.
- Optically engineered, precision LED optics control light distribution and direct light where it is needed.

- IP67 rated fixture per International Electrotechnical Commission (IEC) confirms fixture is dust-tight and protected against lamp/lamp immersion.
- Drive over tested to withstand torque and shear loading per IEC60598-2-13.
- Drive over tested to withstand a static load in excess of 2750 lbs. (1250 kg) per IEC60598-2-13.

Technical Notes

Electrical

- ATTENTION! CORD MUST RUN UNINTERRUPTED FROM THE EXPOSED LIQUID TIGHT SPlice BOX COUPLER (BY OTHERS). DO NOT CUT CORD AND MAKE SPlice IN RECESSED BOX BEHIND FIXTURE. THIS BOX IS NOT LIQUID TIGHT. MAKING THE CONNECTION THERE WILL CAUSE THE PRODUCT TO FAIL AND VOID ITS WARRANTY.
- SP1 uses strict quality guidelines in LED selection to ensure the White LEDs we use meet or exceed ANSI Binning Standards (ANSI C78.3).
- Remote 24VDC, Class II power supply required. Can be ordered as fixture required choice, separately (see CFS 10675) or by others.

- ETL listed to UL standards (US and Canada) for recessed ground mounting and use in wet locations.
- ETL listed to UL standards (US and Canada) for poured concrete applications and use in wet locations.

Lamping/Lamp

L70 life >30,000+ hours.

Mounting

Capable of 1/2 P conduit connection.

Additional Documents

Click Chart (http://www.spcsp.com/F05/SP1_Color_Chart.pdf)

SPI A DIVISION OF SPI/CH2M HILL

Tel (800) 442-1400

contact@spcsp.com

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FIXTURE TYPE **F**

FIXTURE TYPE **G**

NOTE: SEE SHEET 11 FOR
PROPOSED SITE LIGHT
FIXTURE LOCATIONS

GOVERNMENT OF THE DISTRICT OF COLUMBIA
STATE HISTORIC PRESERVATION OFFICE



DC STATE HISTORIC PRESERVATION OFFICE
FEDERAL AGENCY SECTION 106 REVIEW FORM

TO: Carly Bond, Smithsonian Institution and Matt Flis, National Capital Planning Commission

ADDRESS: Via email to: bondc@si.edu and matthew.flis@ncpc.gov

PROJECT NAME/DESCRIPTION: Smithsonian Institution’s Anacostia Community Museum Site Improvements

PROJECT ADDRESS/LOCATION DESCRIPTION: 1901 Fort Place, SE

DC SHPO PROJECT NUMBER: 17-0011

The DC State Historic Preservation Office (DC SHPO) has reviewed the above-referenced federal undertaking(s) in accordance with Section 106 of the National Historic Preservation Act and has determined that:

☐ This project will have **no effect** on historic properties. No further DC SHPO review or comment will be necessary.

☐ There are **no historic properties** that will be affected by this project. No further DC SHPO review or comment will be necessary.

☒ This project will have **no adverse effect** on historic properties. No further DC SHPO review or comment will be necessary.

☐ This project will have **no adverse effect** on historic properties **conditioned upon** fulfillment of the measures stipulated below.

☐ Other Comments / Additional Comments (see below):

Based upon a review of the project submittal and plans, we understand that this undertaking includes constructing a small amphitheater, introducing bioretention swales, modifying the existing circular driveway for improved bus drop off capability, replacing existing stairs for ADA compliance, regrading the parking lot and entrance drive, introducing a variety of plantings and other minor site modifications (see attached site plan for reference). Although the site of the museum falls within the Fort Circle Parks Historic District, the museum building was constructed in 1984 and it not historically significant. Therefore, we have determined that this undertaking will have “no adverse effect” on historic built environment or archaeological resources.

BY:
C. Andrew Lewis
Senior Historic Preservation Specialist
DC State Historic Preservation Office

DATE: February 22, 2017

1100 4th Street, S.W., Suite E650, Washington, D.C. 20024 Phone: 202-442-7600 Fax: 202-442-7638

Section 106 Review: Anacostia Community Museum Site Improvements
February 22 2017
Page 2

