



COMMISSION OF ARCHITECTURAL REVIEW

APPLICATION FOR CERTIFICATE OF APPROPRIATENESS

PROPERTY (location of work)

Address 428 N. Arthur Ashe Boulevard

Historic district Boulevard

Date/time rec'd: _____

Rec'd by: _____

Application #: _____

Hearing date: _____

APPLICANT INFORMATION

Check if Billing Contact

Name Steven Blashfield

Phone 804-283-6820

Company Glave & Holmes Architecture

Email sblashfield@glaveandholmes.com

Mailing Address 2101 E. Main Street Richmond, VA 23223

Applicant Type: Owner Agent
 Lessee Architect Contractor
 Other (please specify):

OWNER INFORMATION (if different from above)

Check if Billing Contact

Name Jamie Bosket, President & CEO

Company Virginia Museum of History

Mailing Address 428 N. Arthur Ashe Boulevard

Phone 804.342.9656

Email jbosket@virginiahistory.org

PROJECT INFORMATION

Project Type: Alteration Demolition New Construction
(Conceptual Review Required)

Project Description: (attach additional sheets if needed)

Updated site plan revisions are proposed to modify the existing parking lot, and landscape on the west side of the property. Site plan modifications include expanding parking, modifying existing landscape, moving the existing green space toward the existing building and modifying access drives and paving. Site lighting plans are also included in the proposal.

ACKNOWLEDGEMENT OF RESPONSIBILITY

Compliance: If granted, you agree to comply with all conditions of the certificate of appropriateness (COA). Revisions to approved work require staff review and may require a new application and approval from the Commission of Architectural Review (CAR). Failure to comply with the conditions of the COA may result in project delays or legal action. The COA is valid for one (1) year and may be extended for an additional year, upon written request and payment of associated fee.

Requirements: A complete application includes all applicable information requested on checklists available on the CAR website to provide a complete and accurate description of existing and proposed conditions, as well as payment of the application fee. Applicants proposing major new construction, including additions, should meet with Staff to review the application and requirements prior to submitting an application. Owner contact information and signature is required. Late or incomplete applications will not be considered.

Zoning Requirements: Prior to Commission review, it is the responsibility of the applicant to determine if zoning approval is required and application materials should be prepared in compliance with zoning.

Signature of Owner

Date 8/5/2020

CERTIFICATE OF APPROPRIATENESS APPLICATION INSTRUCTIONS

In advance of the application deadline please contact staff to discuss your project, application requirements, and if necessary, to make an appointment to meet with staff for a project consultation in the office or on-site. The Commission of Architectural Review website has additional project guidance and required checklists:

<http://www.richmondgov.com/CommissionArchitecturalReview/index.aspx>

| |
|---|
| Staff Contact: 804.646.6335 Carey.Jones@Richmondgov.com |
|---|

SUBMISSION INSTRUCTIONS

Certain exterior work can be administratively approved by Staff. Please contact staff for a preliminary determination of the level of review required prior to submitting an application.

Submit the following items to the Division of Planning and Preservation, 900 E. Broad Street, Rm. 510:

- One (1) signed and completed application – property owner's signature required
- One (1) copy of supporting documentation, as indicated on appropriate checklist, collated and stapled. All plans and elevations must be printed **11x17** and all text easily legible.
- One digital copy of the application and supporting documentation, submitted via email or OneDrive.
- Application fee, as required, will be invoiced. Payment of the fee must be received before the application will be scheduled. Please see fee schedule brochure available on the CAR website for additional information.
- **Application deadlines are firm.** All materials must be submitted by the deadline to be considered at the following Commission meeting. Designs must be final at the time of application; revisions will not be accepted after the deadline. Incomplete and/or late applications will not be placed on the agenda.
- **A complete application** includes a signed application form, related checklist, legible plans, drawings, elevations, material specifications, and payment of the required fee as described in Sec. 30-930.6(b).
- The Commission will not accept new materials, revisions, or redesigns at the meeting. Deferral until the following month's meeting may be necessary in such cases to allow for adequate review by staff, Commissioners, and public notice if required.

MEETING SCHEDULE AND APPLICATION DUE DATES

- The CAR meets on the fourth Tuesday of each month, except in December when it meets on the third Tuesday.
- The hearing of applications starts at 4:00 PM in the 5th floor conference room of City Hall, 900 E. Broad Street. The owner and/or applicant is *encouraged to attend* the meeting.
- All applications are due at 12 noon the Friday after the monthly CAR meeting, except in December, when applications are due the following Monday. For a list of meeting dates and submission deadline dates for each meeting please visit: <http://www.richmondgov.com/CommissionArchitecturalReview> or contact staff.
- **Exception:** Revisions to applications that have been deferred or conceptually reviewed at a Commission meeting can be submitted nine (9) business days after that meeting in order to be reviewed at the following meeting. Please contact staff to confirm this date.



CERTIFICATE OF APPROPRIATENESS

ALTERATION AND ADDITION CHECKLIST

Well in advance of the COA application deadline contact staff to discuss your project, and if necessary, to make an appointment to meet with staff for a project consultation.

Complete all applicable sections and submit with the COA application form. Staff can assist you in determining what items are required for your scope of work. An incomplete application may cause delays in processing or may be deferred to the next agenda. Application materials must clearly represent current and proposed conditions. Refer to Standards for Rehabilitation outlined in Section 30.930.7(b) of the City Code, as well as, the *Richmond Old and Historic Districts Handbook and Design Review Guidelines*.

PROPERTY ADDRESS: _____

BUILDING TYPE

- single-family residence
- multi-family residence
- commercial building
- mixed use building
- institutional building
- garage
- accessory structure
- other

ALTERATION TYPE

- addition
- foundation
- wall siding or cladding
- windows or doors
- porch or balcony
- roof
- awning or canopy
- commercial sign
- ramp or lift
- other

WRITTEN DESCRIPTION

- property description, current conditions and any prior alterations or additions
- proposed work: plans to change any exterior features, and/or addition description
- current building material conditions and originality of any materials proposed to be repaired or replaced
- proposed new material description: attach specification sheets if necessary

PHOTOGRAPHS place on 8 ½ x 11 page, label photos with description and location (refer to photograph guidelines)

- elevations of all sides
- detail photos of exterior elements subject to proposed work
- historical photos as evidence for restoration work

DRAWINGS (refer to required drawing guidelines)

- current site plan
- proposed site plan
- current floor plans
- proposed floor plans
- legal "plat of survey"
- list of current windows and doors
- list of proposed window and door
- current roof plan
- proposed roof plan
- current elevations (all sides)
- proposed elevations (all sides)
- demolition plan
- perspective and/or line of sight



Transmittal

2101 E Main St, Richmond, VA 23223

PROJECT: VMHC - Capital Improvements 18083 DATE: 8/6/2020

SUBJECT: CAR Application - 428 N. Arthur Ashe Boulevard Site Plan TRANSMITTAL ID: 00117

PURPOSE: For your use VIA: Info Exchange

FROM

| NAME | COMPANY | EMAIL | PHONE |
|---|--------------------------------|--------------------------------|--------------|
| Steven Blashfield 2101 E Main St Richmond VA 23223 United States | Glave & Holmes Architecture | sblashfield@glaveandholmes.com | 804-649-9303 |

TO

| NAME | COMPANY | EMAIL | PHONE |
|-----------------------------|---------|-----------------------------|-------|
| Carey.Jones@richmondgov.com | | Carey.Jones@richmondgov.com | |

REMARKS: Carey -

Please find in this link for download, the application for 428 N. Boulevard Site Plan submission for the next CAR meeting. Information includes the application, checklist, narrative with photos, copy of SUP narrative, drawings, specifications and illustrative site plan.

Thank you,
Steven

DESCRIPTION OF CONTENTS

| QTY | DATED | TITLE | NOTES |
|-----|----------|--|-------|
| 1 | 8/6/2020 | 2020 08 05 VMHC Application Summary.pdf | |
| 1 | 8/6/2020 | 2020.08.06 - VMHC Proposed Site Plan.pdf | |
| 1 | 8/6/2020 | 2020.08.06 - VMHC SUP Application Report.pdf | |
| 1 | 8/6/2020 | 2020.08.06 - VMHC_Illustrative Site Plan.pdf | |
| 1 | 8/5/2020 | CAR_AlterationandAdditionChecklistForm - VMHC Site.pdf | |
| 1 | 8/5/2020 | Certificate for Appropriateness Application.pdf | |

COPIES:

Jamie Bosket

(Virginia Museum of History and Culture)



Virginia Museum of History and Culture CAR Application – Site Plan

Date: August 5, 2020

The Virginia Museum of History & Culture (VMHC) is planning to conduct renovations and some expansion to their existing facility. These changes are intended to improve the overall visitor experience, the care for collections and meet the long range mission of the VMHC to be stewards of the history of the Commonwealth. A prior application was submitted for the building upgrades, which was approved under COA-072895-2020. As a condition of the approval, it was requested that the Site Plan and Lighting Plan be resubmitted again separately for review by the CAR, once comments were received from the city. The following package includes modified site plans, based on feedback received from the City of Richmond Planning office. The changes submitted include the addition of substantial additional landscaping. Reference to a future structure on the Kensington side has been removed (No additional structures are proposed in this application). The proposed form of the parking area has not been altered.

Summary of Proposal:

The VMHC has suffered from limited parking capacity. Previous comments from city planning and the surrounding neighbors have indicated that the primary neighborhood concern is that the museum not rely on street parking, due to the density of the neighborhood, and the limited availability of residential parking. The VMHC and the VMFA have an agreement which allows patrons to utilize the VMFA deck, but they also suffer from VMFA users who park in the VMHC lot to avoid the fee for use of the VMFA deck. For events and programs, which will grow with this new expansion, additional parking capacity is needed. This requires a redesign of the existing space to increase the parking areas. Two other important factors are also being considered. The existing green space in the center of the existing parking is largely unusable and non-functional. The VMHC does not desire to lose the green space, but plans to relocate it directly adjacent to the West Façade. This relocation, allows for a more functional space that can be used for events, and also serves to soften a fairly imposing stone façade with additional landscaping. This new green space will be surrounded by new landscape including trees and shrubs to create more visual distinction from the parking area. Second, the VMHC has been suffering a problem with the magnolias on the perimeter of the property. The magnolias were installed with the original construction of the Battle Abbey (the original portion of the VMHC) in 1912 along with a very formal landscape. Aside from the trees, little discernable evidence of the original landscape configuration remains due to changes over time at the site. These trees, however, are well past their expected

lifespans for trees of this species, as documented in literature. The museum is losing multiple trees per year due to decay, storms and general failure of the trees structures. They have become a concern and hazard for the museum. This new proposal plans to remove many of these trees, and replace it with a new landscape buffer and perimeter tree canopy that can re-establish a long term landscape border for the site. A section of the original trees will be retained on the Kensington side of the property. The VMHC plans to provide interpretation to the landscape, through the addition of signage (didactic panels). The VMHC is also in a discussion with the Garden Club of Virginia to advise on new landscape installations, including the introduction and interpretation of Virginia native species on the site.

A summary of the proposed changes are as follows:

- Redesign of the exterior parking area to relocate the greenspace, and expand the parking capacity of the facility by 60 spaces. Work will include relocation of the curb cut on Kensington Street, redesign of the existing landscaping surrounding the parking lot and redesign of the existing vehicle drop off area. Improvements to the accessible parking are also included.
- The existing central lawn will be relocated and redesigned adjacent to the west faced.
- A new drop off circle will be established at the southeast entry, and existing paving installed in 2015 will be modified.
- A new landscape border will be established around the perimeter of the site, including tree islands within the parking area.
- A new curb cut is proposed, relocating the existing to improve traffic flow within the parking area.
- Existing trees will be retained in a specified area on the north side of the site (Kensington St.)
- New trees will be established along the south side of the property adjacent to the VMFA property.
- Landscape changes are limited to the western half of the property out of view from the Boulevard, not changes are proposed to the Boulevard side landscape.
- Interpretive panels will be incorporated to provide additional information to the public about the landscaping.

Actions by the Museums:

The VMHC has been proactive in engaging the neighbors of the museum in this planning process. Two meetings have been held with the Museum District Association, and they have provided a letter indicating they have no opposition to the proposed plans and Special Use Permit Application. The VMHC has also engaged the immediate neighbors with person invites to every resident along the adjacent streets to the museum, and held a personal meeting with them to share the plans. The neighbors primary indications were that they wanted the parking and landscape to be well lit for safety and that they would like the museum to minimize dependence of on street parking.



April 30, 2020
(Revised August 6, 2020)

Application for a Special Use Permit Amendment for the Virginia Historical Society

Application Report

The Virginia Museum of History Culture (VMHC) is planning improvements to its existing facilities to improve overall operations and visitor services associated with the facility. The goal of this work is to remain within the current building footprint, but to make key improvements that will allow the VMHC to improve its public offerings. The project includes a total of 4,685 gross SF of new additional interior space, plus an additional 1,784 SF of exterior Terrace/Stairs, to reach a total building size of 229,036 SF. Main features of the renovations include:

- Renovation of approximately 72,430 SF of existing space in multiple levels including galleries, library, offices, storage/services spaces and entry lobby. Renovation includes relocation of the existing museum shop and the incorporation of a new café space. A portion of the renovation will also allow for expansion of leasable space in the building to for the existing tenant, the Virginia Department of Historic Resources.
- Construct new meeting room space by building a Second Floor over an existing single-story archive space on the west side of the existing structure. The addition will consist of approximately 3,829 sf gross for three meeting rooms and an enclosure structure. A portion of the roof will be converted to an outdoor Terrace (1314 SF) that will allow for public occupancy adjacent to the new meeting rooms. A 470 SF exterior stair is being constructed adjacent to the stair for egress.
- Move an exterior wall over existing structure to construct 470 SF addition on the South end of the building and convert an existing office space to gallery space.
- Construct a new 386 sf gross mechanical penthouse.
- Redesign of the exterior parking area to relocate the greenspace and expand the parking capacity of the facility by 60 spaces. Work will include relocation of the curb cut on Kensington Street, redesign of the existing landscaping surrounding the parking lot and redesign of the existing vehicle drop off area. Improvements to the accessible parking are also included.
- Revision of the total potential occupancy of the building, per applicable code, from 3,314 to 3,730.

- Update landscape surrounding the parking lot with:
 - Redesign of a vehicular drop-off at the main rear entry.
 - Relocate the lawn area adjacent to the building and enhance with ornamental plantings.
 - Addition of extra parking island trees.
 - Removal of old and dying magnolia hedgerows and replace with staggered magnolia hedgerow.
 - These existing magnolias were planted during construction of the VMHC building, which was called Battle Abbey at the time. Construction took place from 1912 to 1921. The site plan was designed by the office of Warren Manning, where Charles Gillette had recently been hired to work on the University of Richmond landscape (then Richmond College).
 - 56 magnolias totaling 1,167" of BHD are to be removed. 111 new trees are to be planted in their place, totaling 329" of caliper.

SUMMARY OF SUP CHANGES NEEDED

The VMHC is currently subject to an existing Special Use Permit, most recently appended as Ordinance 2014-75-54 from the City of Richmond. The following elements of the existing Ordinance require modification as a result of the work:

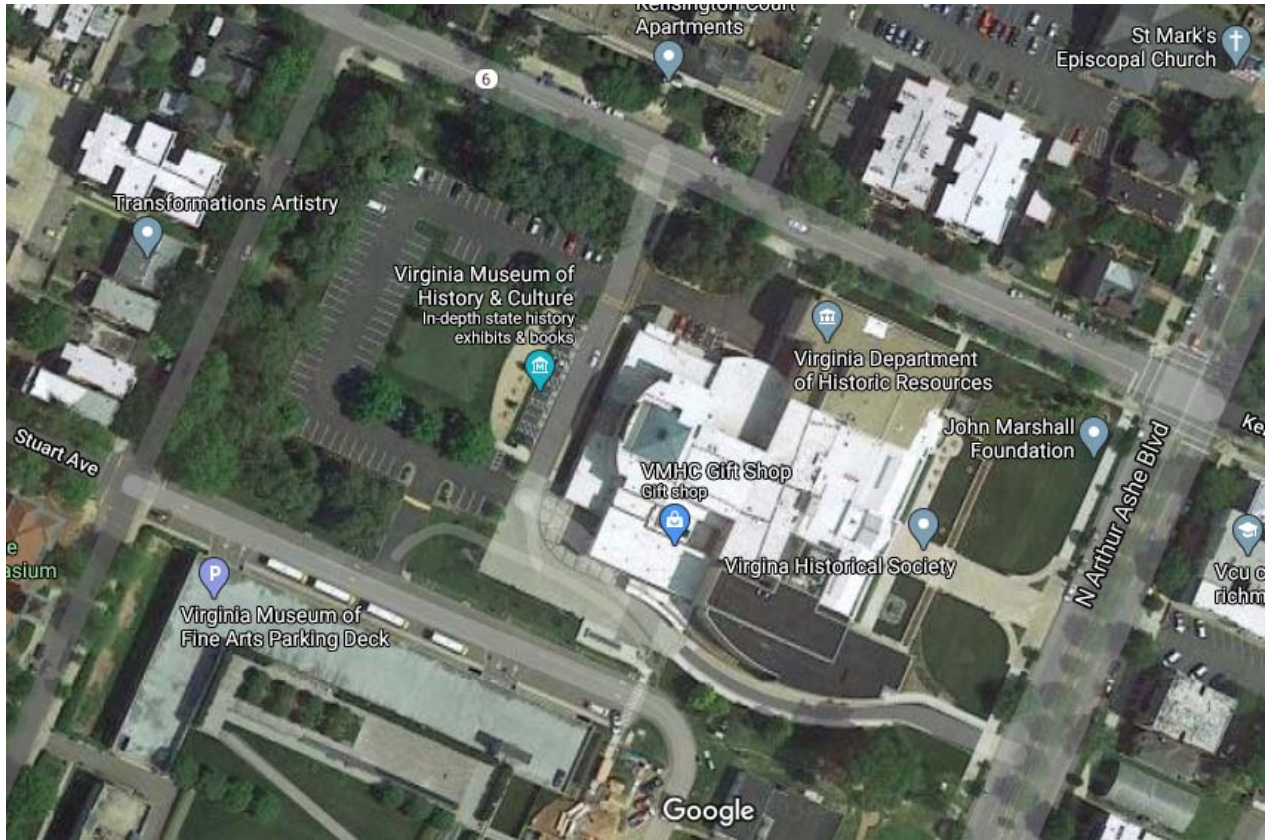
- Revise Address to 428 N. Arthur Ashe Boulevard
- Authorize the construction of improvements as described above.
- Section 3b: Modify the number of parking spaces from no fewer than 119 to 179.
- Delete Section 3c requiring availability of offsite parking through the addition of a nearly equivalent number of new parking spaces on site and through compliance with available access to a parking deck on the adjacent property as described in the existing Special Use Permit.

With best regards,



Edward L. Glass, PE
Senior Project Manager
HG Design Studio

VMHC Existing Site Photographs:



Site Aerial



West Façade and Green Space



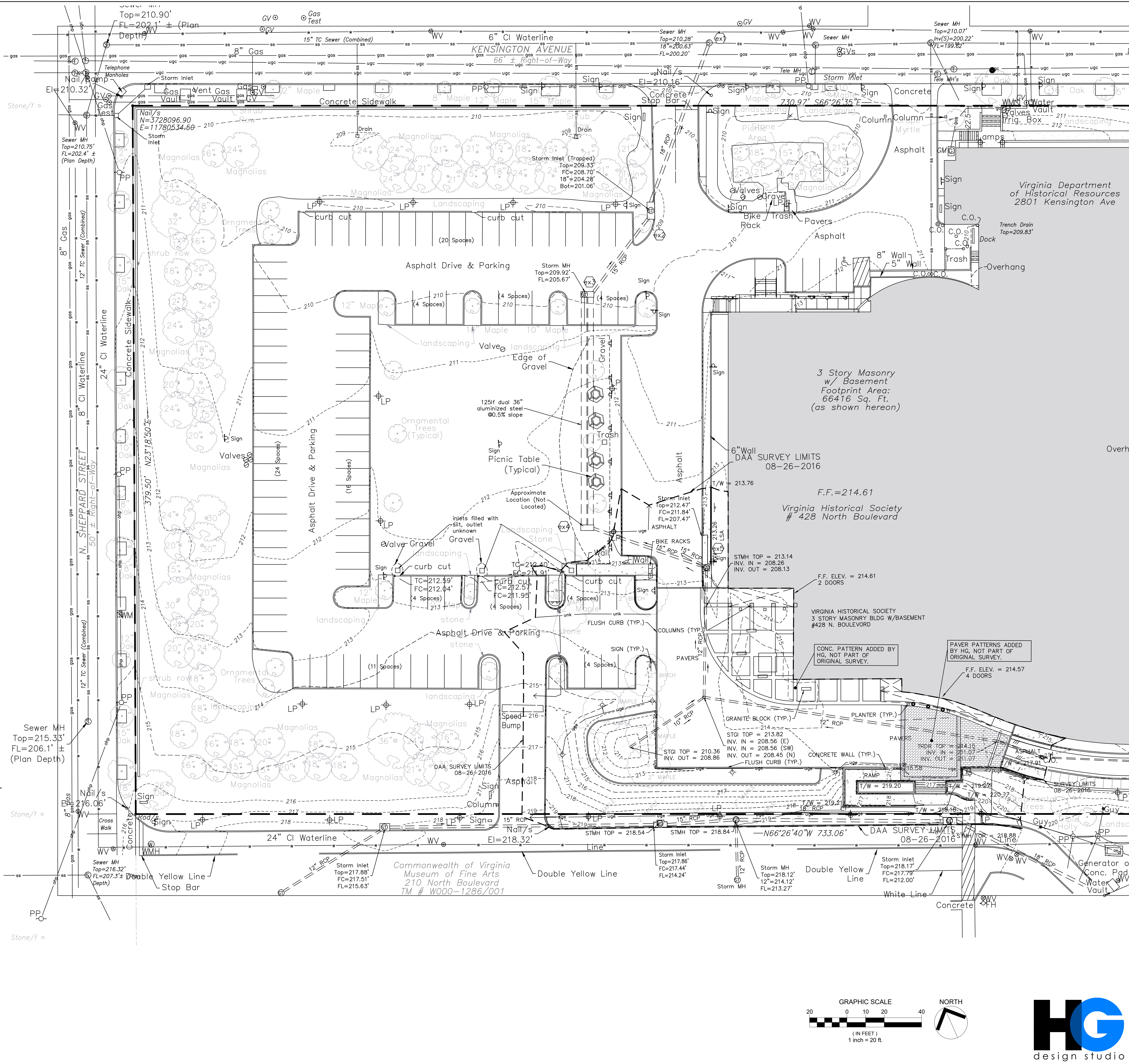
Parking Area looking North



Parking Area looking West

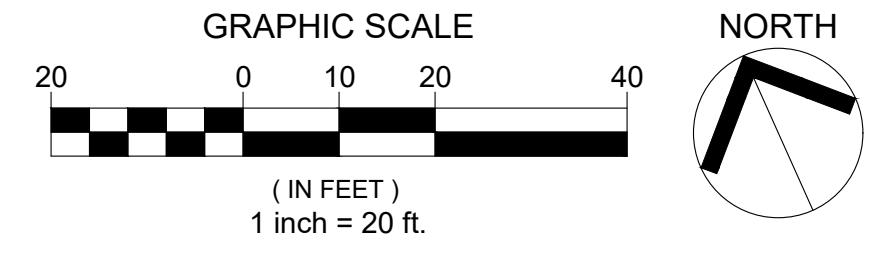


Southeast Entry – Area of Proposed Drop Off Modifications



- LEGEND:**
- o/p — OVERHEAD POWER
 - u/g — UNDERGROUND POWER
 - unk — UNKNOWN UTILITY
 - ss — SANITARY SEWER LINE
 - s — STORM SEWER LINE
 - ir — IRRIGATION LINE
 - --- — CONTOUR LINES
 - --- — CURB/CURB & GUTTER LINE
 - --- — FENCE LINE
 - --- — BUILDING LINE
 - --- — BUILDING OVERHANG
 - --- — FIRE HYDRANT
 - --- — SANITARY SEWER MANHOLE
 - --- — SANITARY CLEANOUT
 - --- — STORM MANHOLE
 - --- — STORM GRATE INLET (G.I.)
 - --- — STORM DROP INLET (D.I.)
 - --- — LIGHT POLE
 - --- — POWER POLE
 - --- — TRANSFORMER
 - --- — SIGN
 - --- — BOLLARD
 - --- — DECIDUOUS TREE
 - --- — CONIFEROUS TREE
 - --- — SHRUB
 - --- — CONCRETE AREA
 - --- — RIPRAP AREA
 - --- — END OF INFORMATION (UG UTILS)
 - --- — PIPE CONTINUOUS (UG UTILS)
 - --- — LANDSCAPED AREA
 - --- — TRDR
 - --- — EX. STORM STRUCTURE NUMBER

- NOTES:**
- Source of Meridian: Local Coordinates, based upon: Previous Survey.
 - Vertical datum: Local Datum, based upon: Previous Survey.
 - Contour interval: 1'
 - Utilities shown are based upon:
 - SUE Quality Level D, ASCE 38-02 — compiled records only
 - SUE Quality Level C, ASCE 38-02 — visible evidence in conjunction with compiled records.
 - SUE Quality Level B, ASCE 38-02 — field designation of underground utilities performed by (DAA) and visible evidence in conjunction with compiled records.
 - SUE Quality Level A, ASCE 38-02 — test pits at locations shown hereon performed by Draper Aden Associates in conjunction with field designation of underground utilities performed by (DAA, Miss Utility, Ticket # _____); Other, visible evidence and compiled records.
 - No SUE was performed or requested for this survey. Utilities shown hereon are based on field observation only.
 - This survey was prepared without the benefit of a title commitment or title report and all easements and encumbrances that might be disclosed in a title search may not be shown.
 - This Topographic Survey, was completed under the direct and responsible charge of Paul C. Brown, L.S. from an actual ground survey and aerial drone survey made under my supervision; The imagery and/or original data was obtained on 26 August, 2016 and this plot and/or map meets minimum accuracy standards unless otherwise noted.
 - This Topographic Survey does not represent a current boundary survey by Draper Aden Associates. No boundary shown hereon.
 - Draper Aden Associates assumes no liability for reuse or modification of this document.
 - Draper Aden Associates provides benchmarks for the construction of the improvements shown on these plans. All other existing elevations are for reference to existing conditions only. Do not use spot elevations, finish floor elevations, elevations on manholes, elevations on survey nails, survey hubs, control points or any other points shown on this drawing for construction other than the provided benchmarks. Failure to utilize and verify the provided benchmarks could result in damages and additional costs that are the contractor's responsibility.



GLAVÉ & HOLMES ARCHITECTURE

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PROJECT TITLE
VIRGINIA MUSEUM OF HISTORY & CULTURE - CAPITAL IMPROVEMENTS

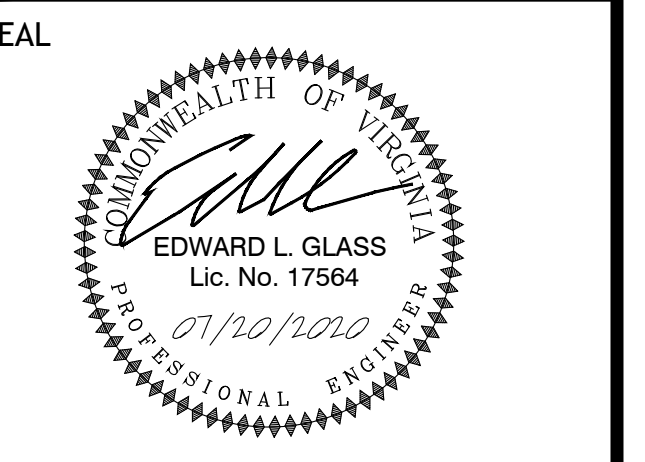
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PROJECT NUMBER
M19064

DATE
July 20, 2020

DRAWN BY: CHECKED BY:

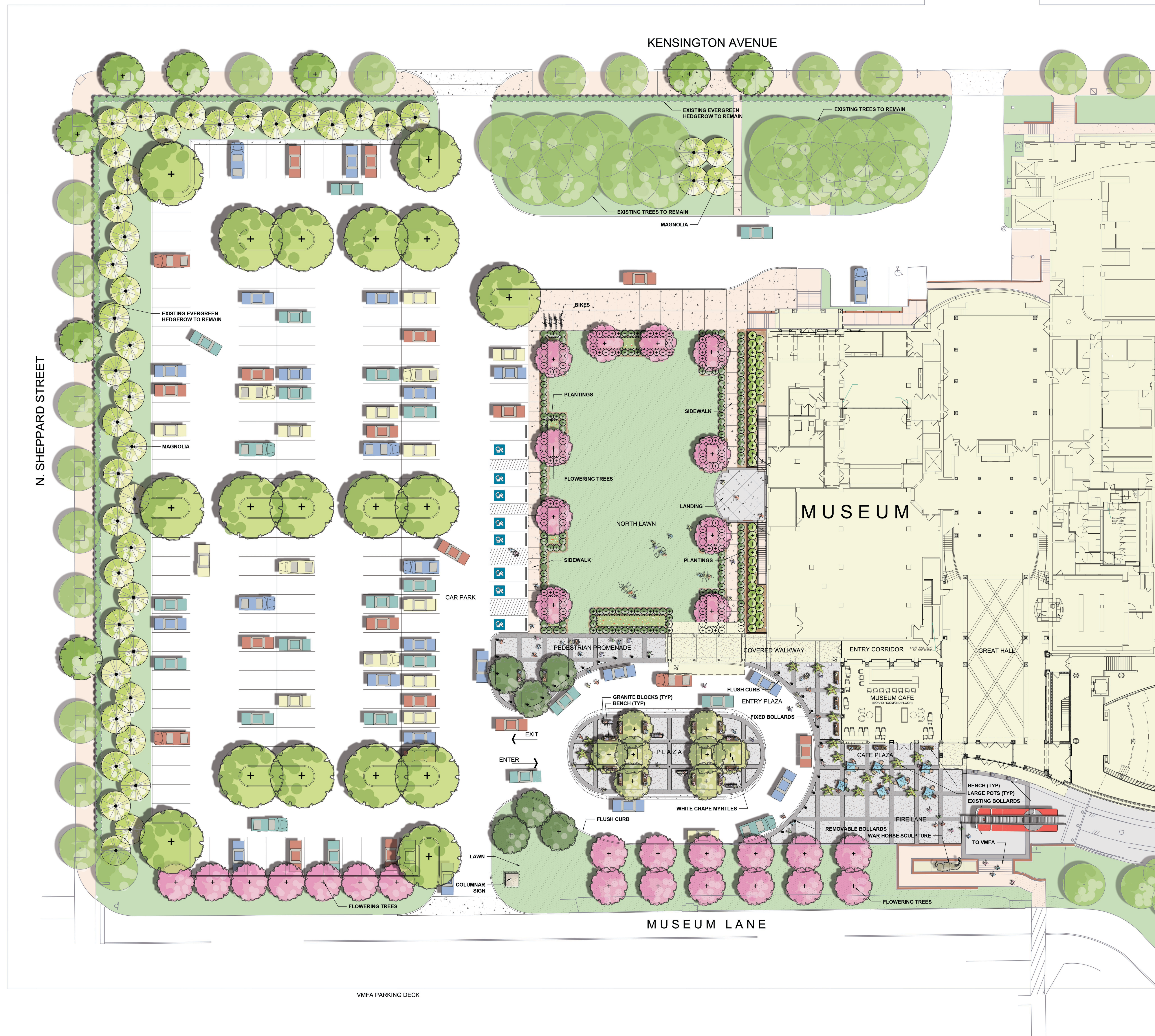
REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
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| | | |

SHEET TITLE
EXISTING CONDITIONS

SHEET NUMBER
C1.00

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TREE CANOPY REQUIREMENTS:

REQUIREMENT:
 NO LESS THAN 30 SQUARE FEET OF CANOPY FOR EACH PARKING SPACE.
 179 PARKING SPACES X 30SF = 5,370 SF REQUIRED CANOPY COVERAGE

PROVIDED:

| | |
|-------------------------|-------------------|
| (45) 12" MAGNOLIA | 250 X 43 = 10,750 |
| (3) 4" SUGAR MAPLE | 250 X 3 = 750 |
| (12) 3" BLACK GUM | 175 X 12 = 2,100 |
| (3) 3" BOSQUE ELM | 250 X 3 = 750 |
| (23) 3" HIGAN CHERRY | 175 X 23 = 4,025 |
| (24) 8-10" CRAPE MYRTLE | 40 X 24 = 960 |

TOTAL = 19,335 SF PROVIDED CANOPY COVER

LANDSCAPE BUFFER REQUIREMENTS:

REQUIREMENT:
 BUFFER "A" SHALL HAVE A DEPTH OF NOT LESS THAN THE MINIMUM YARD REQUIREMENT APPLICABLE ALONG EACH STREET FRONTAGE OF THE PROPERTY, BUT IN NO CASE LESS THAN FIVE FEET, AND SHALL INCLUDE AN EVERGREEN VEGETATIVE SCREEN NOT LESS THAN THREE AND ONE-HALF FEET IN HEIGHT AT THE TIME OF INSTALLATION PLACED ALONG THE SETBACK LINE OF THE PARKING AREA. EVERGREEN VEGETATIVE MATERIAL INTENDED TO SATISFY THIS REQUIREMENT SHALL BE PLANTED AT SUCH INTERVALS THAT WILL RESULT IN A CONTINUOUS VISUAL SCREEN WITHIN ONE YEAR OF PLANTING.

PROVIDED:
 EXISTING PRIVET HEDGEROWS ALONG KENSINGTON AVENUE AND N. SHEPARD STREET TO FULFILL LANDSCAPE BUFFER TYPE A REQUIREMENTS.

LIGHTING SCHEDULE:

| SYMBOL | QTY | LABEL | DISTRIBUTION TYPE | ARRANGEMENT | MANUF | DESCRIPTION | MOUNTING HEIGHT |
|--------|-----|-------|-------------------|-------------|-----------------------------|---|-------------------------|
| ⊙ | 9 | LA# | 4 WIDE | SINGLE | ARCHITECTURAL AREA LIGHTING | PROV2-36L-615-3K7-4W-DB-STND_MNT-DL-UNV | 15 FT, 20 FT |
| ⊙ | 9 | LB# | 3 | SINGLE | ARCHITECTURAL AREA LIGHTING | PROV2-36L-615-3K7-3-DB-STND_MNT-DL-UNV | 10 FT, 15 FT, 20 FT |
| ⊙ | 8 | LC# | 5 WIDE | SINGLE | ARCHITECTURAL AREA LIGHTING | PROV2-36L-615-3K7-5-DB-STND_MNT-DL-UNV | 20 FT |
| ⊙ | 4 | LD# | 2 | SINGLE | ARCHITECTURAL AREA LIGHTING | WALL MOUNTED LIGHT FIXTURE - SEE ELECTRICAL PLANS | 10 FT 6 IN., 13 FT 2IN. |

NOTE: CONFIRM FIXTURE AND POLE COLOR OF EXISTING LIGHTS PRIOR TO ORDERING TO MATCH
 SEE DETAIL #6 ON SHEET L4.10 FOR LIGHT POLE FOOTING

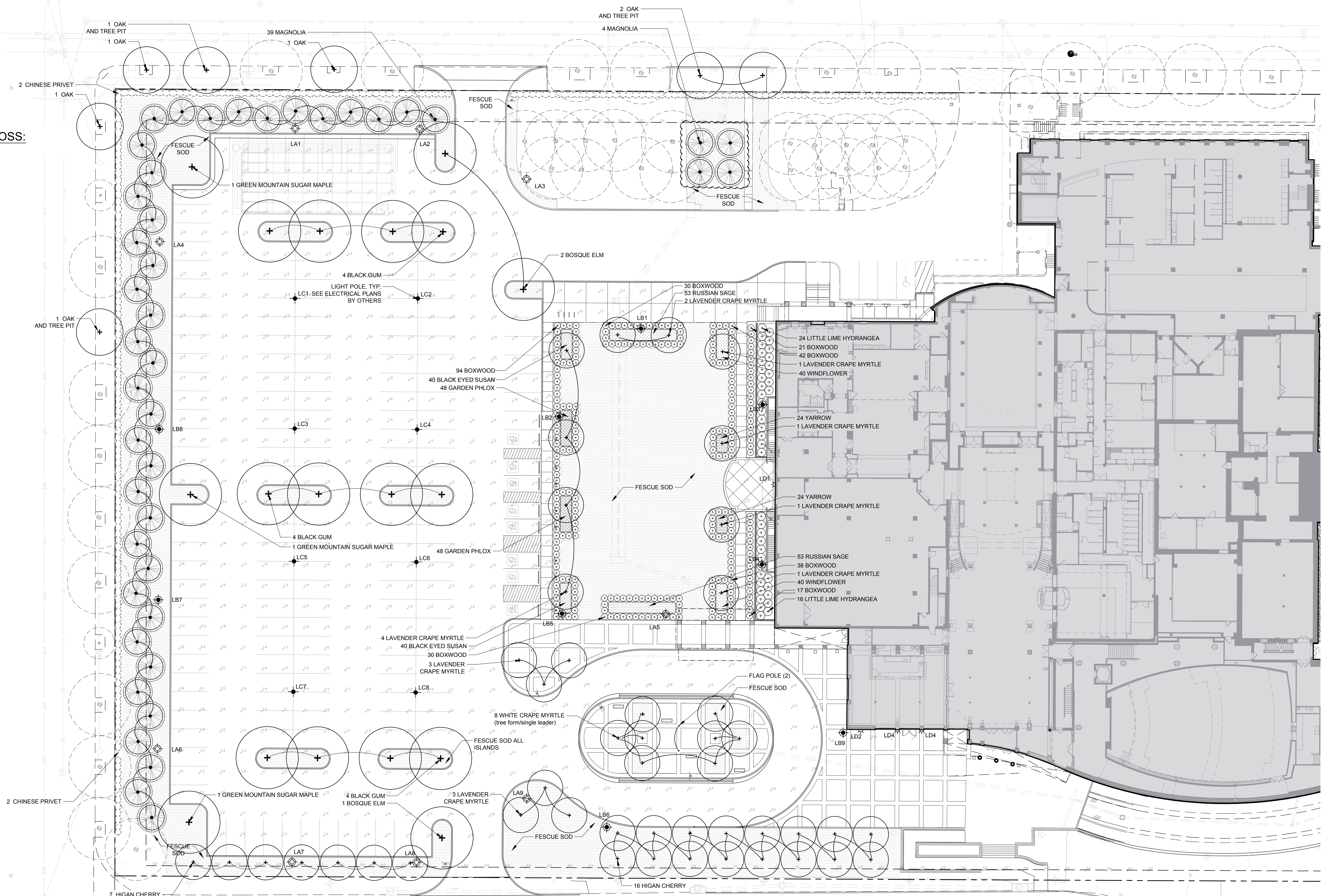
TREE DIAMETER GAIN & LOSS:

REMOVED MAGNOLIA DBH: 1.167"
TOTAL = 1.167" MAGNOLIA DBH REMOVED

PROVIDED CALIPER:

| | |
|-------------------|--------------|
| (45) MAGNOLIA | 3 X 43 = 120 |
| (3) SUGAR MAPLE | 3 X 3 = 9 |
| (12) BLACK GUM | 3 X 12 = 36 |
| (3) BOSQUE ELM | 3 X 3 = 9 |
| (23) HIGAN CHERRY | 3 X 23 = 69 |
| (24) CRAPE MYRTLE | 3 X 24 = 72 |
| (7) OAK | 2 X 7 = 14 |

TOTAL = 341" CALIPER PROVIDED



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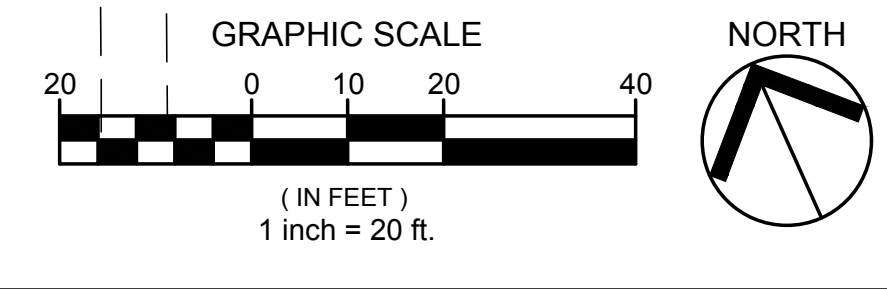
DRAWN BY: CHECKED BY:

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|-----------|-------------------|
| 1 | 8/6/2020 | LANDSCAPE UPGRADE |
| 2 | 8/14/2020 | MAGNOLIA REVISION |

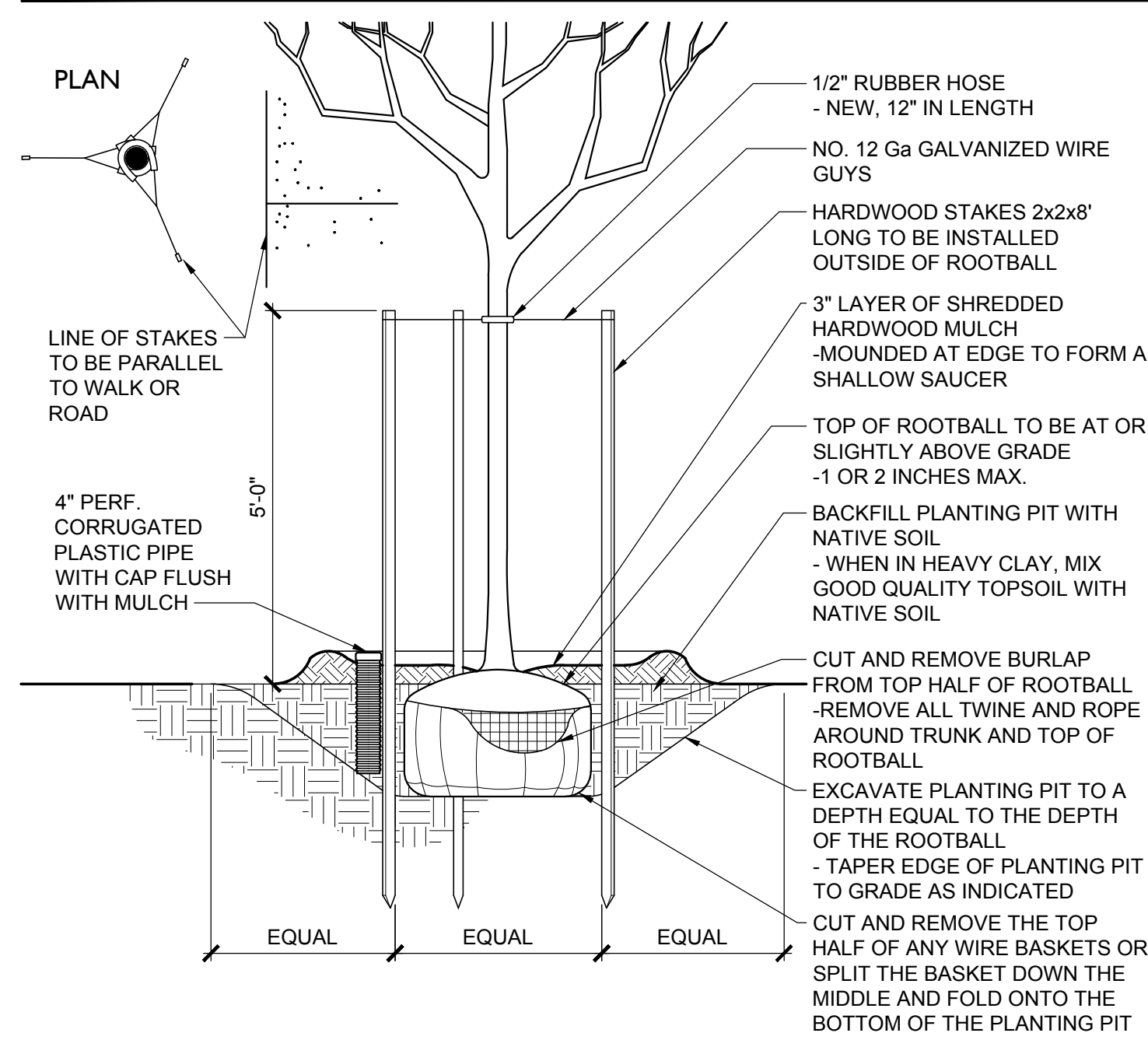
SHEET TITLE
 PLANTING AND LIGHTING PLAN

SHEET NUMBER
 L5.10

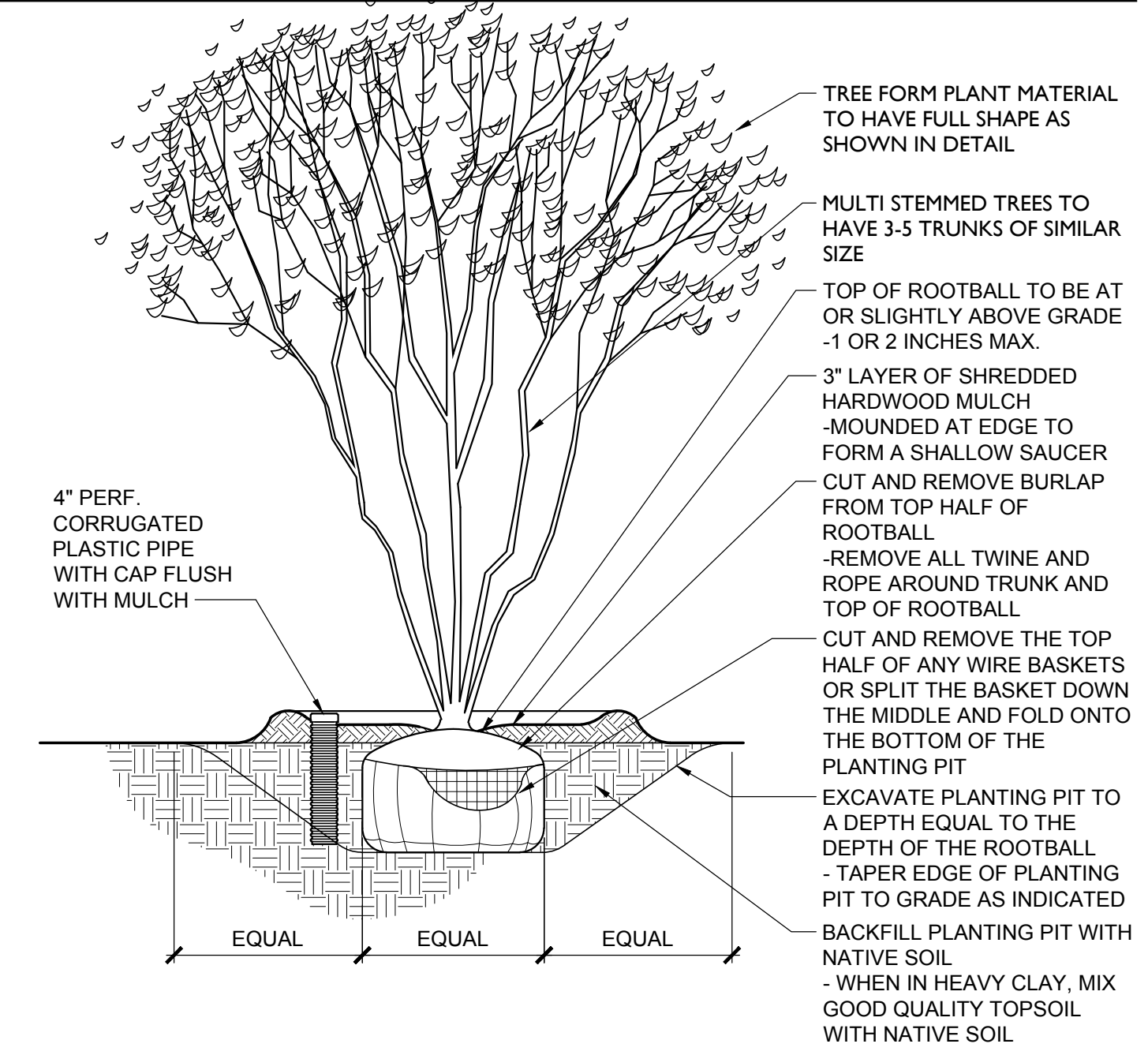


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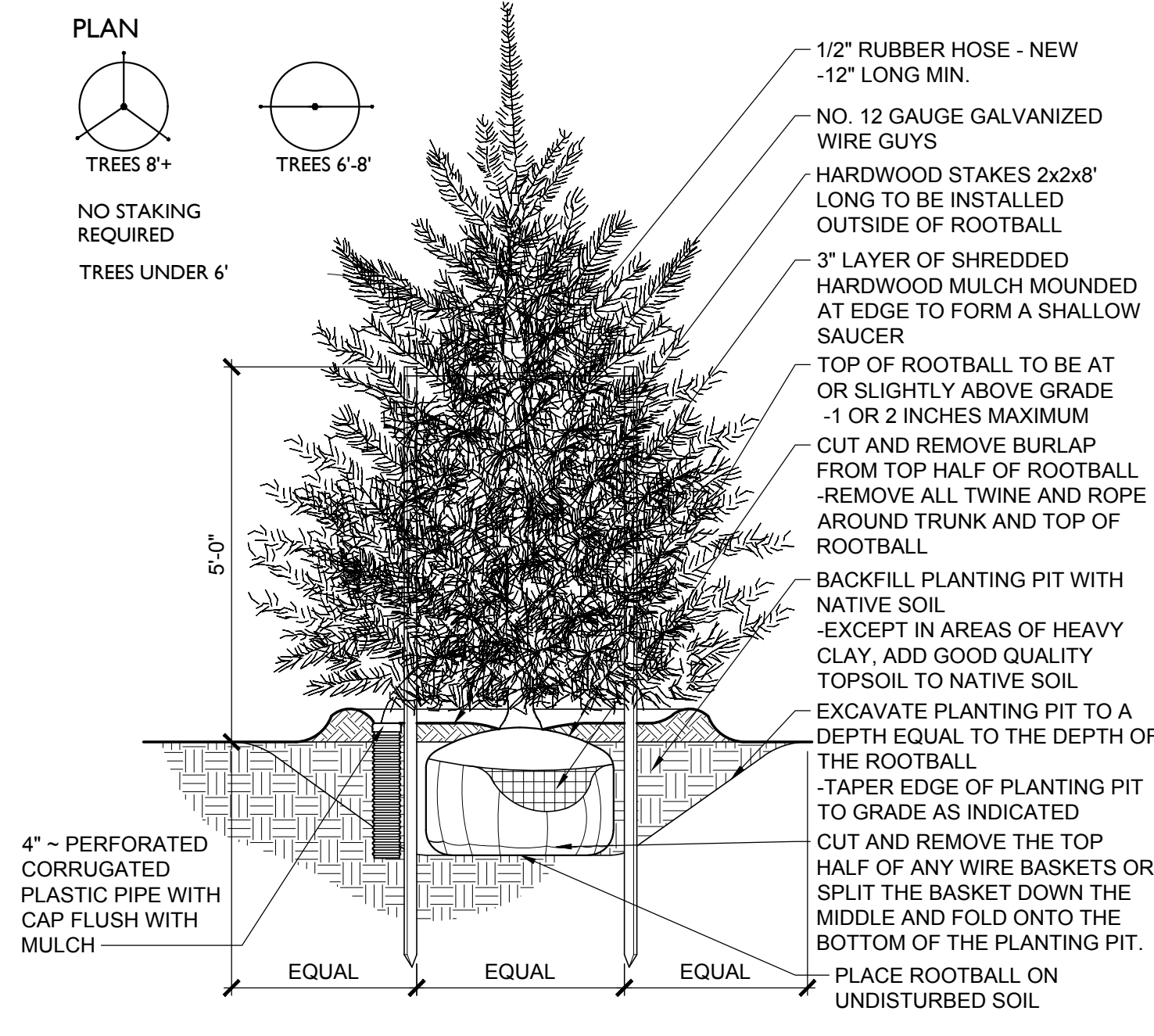
PLANTING DETAILS



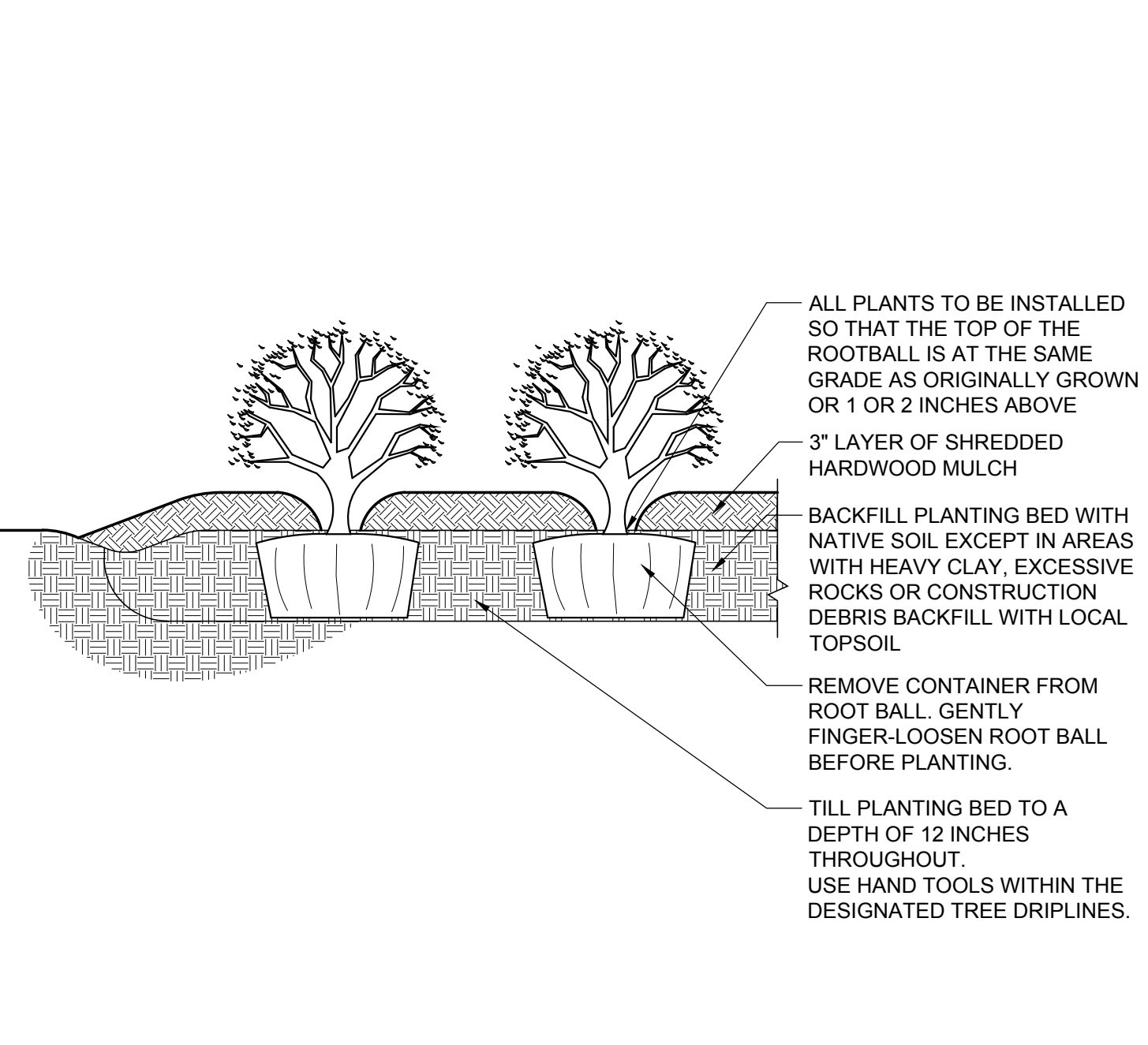
A DECIDUOUS TREE STAKING DETAIL
NOT TO SCALE



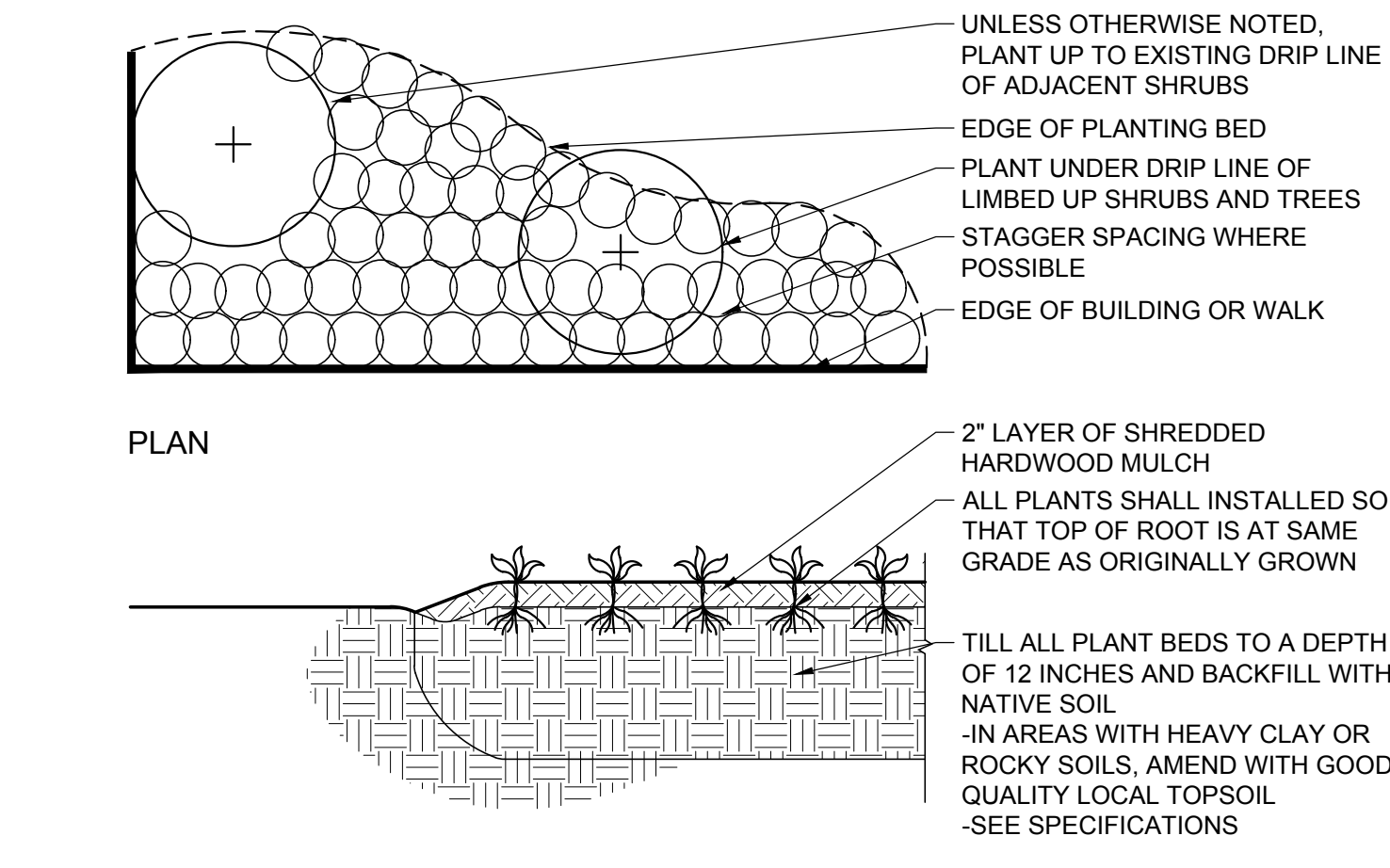
B MULTI-STEM TREE PLANTING DETAIL
NOT TO SCALE



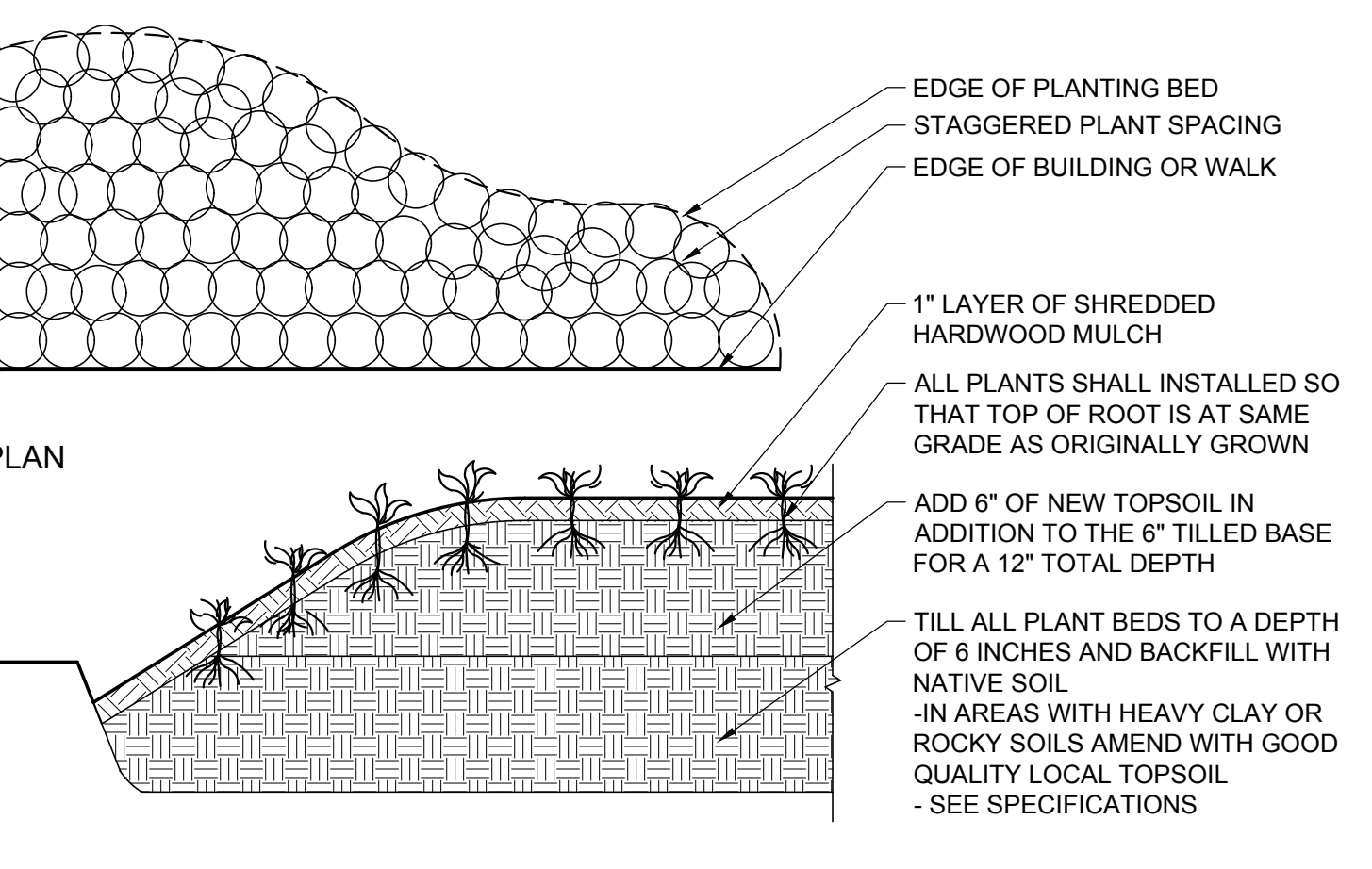
C EVERGREEN TREE STAKING DETAIL
NOT TO SCALE



D SHRUB PLANTING DETAIL
NOT TO SCALE



E GROUNDCOVER PLANTING BED DETAIL
NOT TO SCALE



F FLOWER BED PLANTING DETAIL
NOT TO SCALE

PLANT MATERIAL SCHEDULE

| QUANTITY | BOTANICAL NAME | COMMON NAME | SPACING | CALIPER | HEIGHT | ROOT TYPE | DETAIL | REMARKS |
|---|---|-----------------------|----------|---------|--------|-----------|--------|---------------------------------|
| TREES | | | | | | | | |
| 39 | MAGNOLIA GRANDIFLORA 'LITTLE GEM' | LITTLE GEM MAGNOLIA | AS SHOWN | | 12-13' | B&B | C | MAY SUB 'BRACKENS BROWN BEAUTY' |
| 3 | ACER SACCHARUM 'GREEN MOUNTAIN' | SUGAR MAPLE | AS SHOWN | 4" | | B&B | A | |
| 12 | NYSSA SYLVATICA | BLACK GUM | AS SHOWN | 3" | | B&B | A | |
| 3 | ULMUS PARVIFOLIA 'BOSQUE' | BOSQUE ELM | AS SHOWN | 3" | | B&B | A | |
| 23 | PRUNUS SUBHIRTELLA | HIGAN CHERRY | AS SHOWN | 3" | | B&B | A | |
| 16 | LAGERSTROEMIA 'EARLY BIRD LAVENDER' | LAVENDER CRAPE MYRTLE | AS SHOWN | | 10-12' | B&B | B | SUBSTITUTE FOR LAVENDER VAR. |
| 8 | LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ' | WHITE CRAPE MYRTLE | AS SHOWN | | 10-12' | B&B | B | SINGLE LEADER SPECIMEN ONLY |
| 7 | QUERCUS SP. | OAK | AS SHOWN | 2" | | B&B | A | |
| SHRUBS | | | | | | | | |
| 272 | BUXUS x 'WINTERGREEN' | BOXWOOD | AS SHOWN | | 24" | 3 GAL. | D | |
| 42 | HYDRANGEA PANICULATA 'LITTLE LIME' | LITTLE LIME HYDRANGEA | AS SHOWN | | 36" | 3 GAL. | D | |
| 4 | LIGUSTRUM SINENSE | CHINESE PRIVET | AS SHOWN | | 24" | 3 GAL. | D | |
| ORNAMENTAL GRASSES, & PERENNIALS | | | | | | | | |
| 80 | RUDBECKIA FULGIDA 'GOLDSTURM' | BLACK EYED SUSAN | 18" O.C. | | | 1 GAL. | E | |
| 106 | PEROVSKIA ATRIPICIFOLIA 'BLUE SPIRE' | RUSSIAN SAGE | 24" O.C. | | | 1 GAL. | E | |
| 96 | PHLOX PANICULATA 'DAVID' | GARDEN PHLOX | 18" O.C. | | | 1 GAL. | E | |
| 80 | ANEMONE X HYDRIDA QUEEN CHARLOTTLE | WINDFLOWER | 18" O.C. | | | 1 GAL. | E | |
| 48 | ACHILLEA MILLEFOL. 'STRAWBERRY SEDUCTION' | YARROW | 18" O.C. | | | 1 GAL. | E | |

PLANTING NOTES:

- CONTRACTOR SHALL VERIFY PLANT MATERIAL QUANTITIES SHOWN ON PLAN WITH TOTALS IN PLANTING SCHEDULE. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO FINAL BIDDING. UNIT PRICES SHALL BE SUBMITTED AS PART OF FINAL BID.
- ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE FULL YEAR TO BE IN A HEALTHY GROWING CONDITION. PLANT MATERIALS WHICH DO NOT FULFILL THIS GUARANTEE SHALL BE REPLACED AT NO COST TO THE OWNER. REPLACEMENT SHALL BE GUARANTEED THROUGHOUT THE ORIGINAL GUARANTEE PERIOD. PLANTS THAT DIE SHALL BE REPLACED IMMEDIATELY.
- CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOT ASSUME IRRIGATION SYSTEM IS FULLY OPERATIONAL AT COMPLETION OF PLANTING INSTALLATION.
- CONTRACTOR RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING OF CONSTRUCTION FOR LOCATION OF ALL UTILITY LINES. TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS. NOTIFY LANDSCAPE ARCHITECT IF ANY CONFLICTS OCCUR.
- THE LANDSCAPE ARCHITECT IS THE OWNERS REPRESENTATIVE AND SHALL BE THE APPROVING AUTHORITY FOR INFORMATION PROVIDED IN THESE PLANS AND SPECIFICATIONS.
- ALL PLANT MATERIALS, TOPSOIL, MULCH, FERTILIZERS, SOIL AMENITIES, PLANTING SUPPLIES AND METHODS SHALL BE SUBJECT TO LANDSCAPE ARCHITECTS APPROVAL. REJECTED MATERIALS SHALL BE REMOVED FROM THE SITE WITHOUT DELAY.
- ALL PLANT MATERIALS AND PLANTING METHODS SHALL CONFORM TO A.A.N. STANDARDS.
- CONTRACTOR SHALL LAYOUT AND MARK LOCATION FOR ALL PLANT MATERIAL, PLANTING, AND IMPROVEMENTS SHOWN AND REQUEST IN FIELD APPROVAL FROM LANDSCAPE ARCHITECT.
- BEDS TO CONTAIN SHRUBS OR GROUND COVER SHALL BE TILLED TO A DEPTH OF 6" AND THE SOIL CONDITIONED BY ADDING CLEAN, WELL ROTTED MANURE. IF EXISTING SOIL IS CONSIDERED TO BE UNUSABLE BY OWNER, BEDS SHALL BE TREATED TO ELIMINATE WEEDS AND WEED SEEDS.
- ALL PLANTING BED AREAS SHALL BE COVERED WITH A 3" MINIMUM LAYER OF MEDIUM TEXTURE SHREDDED HARDWOOD MULCH UNLESS OTHERWISE NOTED.
- ALL SUBSTITUTIONS OF PLANT MATERIAL SHALL BE REQUESTED IN WRITING TO THE LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER.
- ALL PLANTING OPERATIONS SHALL BE UNDER THE SUPERVISION OF AN EXPERIENCED PLANTSMAN.
- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO SELECT PLANT MATERIALS IN THE NURSERY.
- FOR TREES BALLED IN WIRE BASKETS, CUT AND REMOVE TOP AND SIDES OF BASKET AFTER INSTALLATION.
- LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS AND MATERIALS THAT ARE IN AN UNHEALTHY OR UNSIGHTLY CONDITION, AS WELL AS PLANTS AND MATERIALS THAT DO NOT CONFORM TO A.A.N. STANDARDS. SEE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1-(CURRENT EDITION).
- SOIL SHALL BE FREE OF ALL WEEDS.
- PLANT SIZES, QUANTITIES, AND SPECIES WILL BE CHECKED BY CITY INSPECTION FOR COMPLIANCE WITH PLANT SCHEDULE AS APPROVED BY THE CITY. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR DELAY IN ISSUANCE OF CERTIFICATE OF OCCUPANCY BY THE CITY RESULTING FROM UNAUTHORIZED SUBSTITUTIONS OR DOWNSIZING.
- UPON COMPLETION OF LANDSCAPE INSTALLATION, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR WHO WILL VERIFY COMPLETENESS, INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL, AND SCHEDULE A FINAL INSPECTION FOR ACCEPTANCE BY OWNER.
- THE ONE YEAR GUARANTEE PERIOD SHALL BEGIN UPON THE OWNER'S APPROVAL AND ACCEPTANCE OF THE PLANTING INSTALLATION. THE OWNER SHALL ASSUME RESPONSIBILITY FOR MAINTENANCE INCLUDING WATERING, WEEDING, PEST CONTROL, AND FERTILIZATION.
- CONTRACTOR SHALL REMOVE STAKING FROM TREES AT THE END OF THE ONE YEAR WARRANTY PERIOD.



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PROJECT TITLE
VIRGINIA MUSEUM OF HISTORY & CULTURE - CAPITAL IMPROVEMENTS

VIRGINIA MUSEUM OF HISTORY & CULTURE
428 N. ARTHUR ASHE BOULEVARD
RICHMOND, VIRGINIA 23220

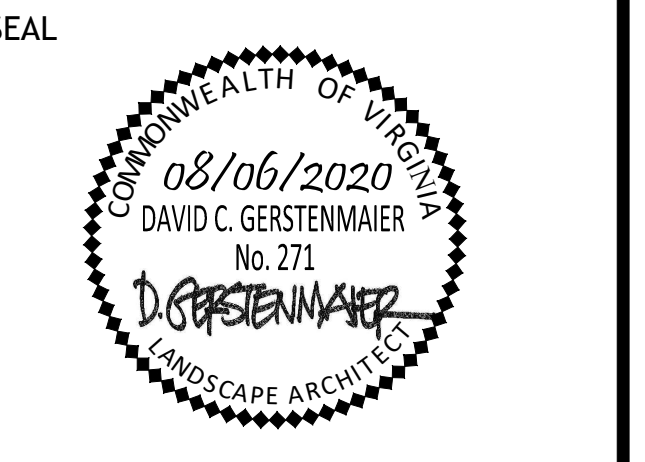
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PROJECT NUMBER
M19064
DATE
July 20, 2020
DRAWN BY: CHECKED BY:

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|----------|-------------------|
| 1 | 8/6/2020 | LANDSCAPE UPGRADE |

SHEET TITLE
PLANTING SCHEDULE

SHEET NUMBER
L5.20




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architectural arealighting
PROV2
ARCHITECTURAL AREA/SITE

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

PROVIDENCE®



RELATED PRODUCTS
#PROL2 #PROL2-LX #PROS #PROB

FEATURES

- Reliable, uniform, glare free illumination
- Types A, B, M, V and custom distributions
- 2000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral surge suppression
- 15 standard powder coat finishes
- Upgrade Kits

INSTALLATION

CONSTRUCTION

LED OPTICS

WARRANTY

KEY DATA

| LUMEN RANGE | 1838-7240 |
|--------------------------|------------------|
| WATTAGE RANGE | 378-70.3 |
| EFFICACY RANGE (LPW) | 44.9-118.9 |
| INPUT CURRENT RANGE (mA) | 335.5/0.675 mA |
| WEIGHT | 29 lbs / 13.5 kg |
| EPA | 133 |

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PROV2
ARCHITECTURAL AREA/SITE

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

ORDERING GUIDE

Example: PROV2-36L-325-3K-4W-BL-SLAI-DF-HS-AD5-UNV

LUMINAIRE DATA

| HOUSING | LED Quality | Lumen output | CCT/CRI | Distribution | Finish |
|---------|-----------------------|------------------------------|------------------|------------------|-------------------|
| PROV2 | Providence Medium 2.0 | 295 4500K Microcore Crossbar | 4K7 4000K 70 CRI | 1 Type I | AGN Antique Green |
| | | 325 3200K 4500 Lumens | 4K7 4000K 70 CRI | 2 Type II | BL Black |
| | | 410 4200K 4500 Lumens | 4K7 4000K 70 CRI | 3 Type III | BT Matte Black |
| | | 525 7000K Microcore Crossbar | 4K7 4000K 70 CRI | 4W Type IV Wide | CB Cotton |
| | | 615 6500K 7500 Lumens | 4K7 4000K 70 CRI | 50 Type V Square | CC Dark Bronze |

Options: HS House Side Shield, PFC Brass Colored Finish, SPK Cast Spikes, BPS Brass Colored Studs, SF Single Fuse (201, 227), DF Double Fuse (205, 243)

Mounting: Pole Mount, Side over 4" CO Pole, STD Mount, Standard Mount

Clear Lens: CL Clear Lens, DL Diffused Lens

Options: PFC Brass Colored Finish, SPK Cast Spikes, BPS Brass Colored Studs, SF Single Fuse (201, 227), DF Double Fuse (205, 243)

Mounting Options: ADS Adaptor 9" CO Pole, PASC Photocell Adaptor, EPALC Eyes Adaptor Contemporary

Voltage: UNV 120-277V

Dimensions: 18.7" (475 mm) height, 11.3" (287 mm) width

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PROV2
ARCHITECTURAL AREA/SITE

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

PHOTOMETRY

PROV2-36L-615-4K-1

LUMINAIRE DATA

ISOFOOT CANDLE PLOT

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 6403 | 85% |
| Downward House Side | 1002 | 14% |
| Downward Total | 7405 | 100% |
| Upward Street Side | 0 | 0% |
| Upward House Side | 0 | 0% |
| Upward Total | 0 | 0% |
| Total Flux | 7405 | 100% |

PROV2-36L-615-4K-2

LUMINAIRE DATA

ISOFOOT CANDLE PLOT

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 5625 | 81% |
| Downward House Side | 1529 | 21% |
| Downward Total | 6994 | 100% |
| Upward Street Side | 0 | 0% |
| Upward House Side | 0 | 0% |
| Upward Total | 0 | 0% |
| Total Flux | 6994 | 100% |

PROV2-36L-615-4K-3

LUMINAIRE DATA

ISOFOOT CANDLE PLOT

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 5552 | 82% |
| Downward House Side | 1200 | 18% |
| Downward Total | 6992 | 100% |
| Upward Street Side | 0 | 0% |
| Upward House Side | 0 | 0% |
| Upward Total | 0 | 0% |
| Total Flux | 6792 | 100% |

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PROV2
ARCHITECTURAL AREA/SITE

DATE: LOCATION:
TYPE: PROJECT:
CATALOG #:

PHOTOMETRY

PROV2-36L-615-4K-4W

LUMINAIRE DATA

ISOFOOT CANDLE PLOT

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 5802 | 85% |
| Downward House Side | 1007 | 15% |
| Downward Total | 6809 | 100% |
| Upward Street Side | 0 | 0% |
| Upward House Side | 0 | 0% |
| Upward Total | 0 | 0% |
| Total Flux | 6809 | 100% |

PROV2-36L-615-4K-5Q

LUMINAIRE DATA

ISOFOOT CANDLE PLOT

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 3761 | 50% |
| Downward House Side | 3793 | 50% |
| Downward Total | 7425 | 100% |
| Upward Street Side | 0 | 0% |
| Upward House Side | 0 | 0% |
| Upward Total | 0 | 0% |
| Total Flux | 7425 | 100% |

PROV2-36L-615-4K-6W

LUMINAIRE DATA

ISOFOOT CANDLE PLOT

ZONAL LUMEN SUMMARY

| Zone | Lumens | % Luminaire |
|----------------------|--------|-------------|
| Downward Street Side | 5432 | 80% |
| Downward House Side | 3422 | 50% |
| Downward Total | 6832 | 100% |
| Upward Street Side | 0 | 0% |
| Upward House Side | 0 | 0% |
| Upward Total | 0 | 0% |
| Total Flux | 6832 | 100% |

L SITE LIGHT FIXTURE

L SITE LIGHT POLE

architectural arealighting
DB5 - Decorative Pole
TYPE

4" ROUND (RD) & FLUTED (FL) DECORATIVE BASE

1. BASE 2. POLE 3. OAH 4. COLOR 5. OPTIONS/ACCESSORIES

| MAXIMUM ALLOWABLE EPA (MPH) | WT | 85 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
|-----------------------------|--------------|----|------|------|------|-----|-----|-----|-----|
| DB5 4R10-125 12' (3.7m) | 4" RD x 125' | 40 | 12.9 | 11.4 | 9.0 | 7.2 | 5.9 | 4.9 | 4.2 |
| DB5 4R12-125 12' (3.7m) | 4" RD x 125' | 44 | 10.2 | 8.9 | 7.0 | 5.5 | 4.7 | 3.7 | 3.1 |
| DB5 4R14-125 14' (4.3m) | 4" RD x 125' | 48 | 8.2 | 7.1 | 5.5 | 4.2 | 3.7 | 2.3 | 1.9 |
| DB5 4R16-125 16' (4.9m) | 4" RD x 125' | 51 | 6.7 | 5.7 | 4.3 | 3.2 | 2.4 | 1.6 | 1.3 |
| DB5 4R18-226 12' (3.7m) | 4" RD x 226' | 53 | 15.9 | 14.0 | 11.1 | 9.0 | 7.4 | 6.2 | 5.3 |
| DB5 4R12-226 12' (3.7m) | 4" RD x 226' | 59 | 10.3 | 8.9 | 7.1 | 5.7 | 4.8 | 4.1 | 3.5 |
| DB5 4R14-226 14' (4.3m) | 4" RD x 226' | 65 | 10.6 | 9.3 | 7.2 | 5.6 | 4.5 | 3.7 | 3.1 |
| DB5 4R16-226 16' (4.9m) | 4" RD x 226' | 71 | 8.3 | 8.2 | 6.3 | 4.9 | 3.8 | 3.1 | 2.7 |
| DB5 4R18-188 12' (3.7m) | 4" FL x 188' | 48 | 14.7 | 13.0 | 10.3 | 8.3 | 6.8 | 5.7 | 4.7 |
| DB5 4R12-188 12' (3.7m) | 4" FL x 188' | 53 | 11.7 | 10.3 | 8.1 | 6.4 | 5.1 | 4.3 | 3.5 |
| DB5 4R14-188 14' (4.3m) | 4" FL x 188' | 59 | 9.5 | 8.3 | 6.4 | 5.0 | 3.9 | 3.2 | 2.6 |
| DB5 4R16-188 16' (4.9m) | 4" FL x 188' | 64 | 7.8 | 6.7 | 4.1 | 3.9 | 2.9 | 1.8 | 1.5 |

2. COLOR

Standard Color: WH White, BL Black, AN Antique Green, BR Bronze, CO Cotton, DD Dark Green, TT Taupe, WB Weathered Bronze, MB Matte Black, VBL Vinyl Blue, CRT Copper, MAL Matte Aluminum, MG Medium Gray, AGN Antique Green, LD Light Gray

Premium Color: SSK Stainless Steel, SPP Silver, SFM Satin Finish, WCP Weathered Copper, PAL Pearl, CUSTOM Custom Color

3. OPTIONS / ACCESSORIES

PH Pole Holder, SPK Spikes, PFC Brass Colored Finish, SPS Single Pole Studs, DF Double Pole Studs, ADS Adaptor 9" CO Pole, PASC Photocell Adaptor, EPALC Eyes Adaptor Contemporary

4. CERTIFICATION

UL Listed, ETL Listed, CE Marked, FCC Approved, RoHS Compliant

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DB5 - Decorative Pole
TYPE

4" ROUND (RD) & FLUTED (FL) DECORATIVE BASE

1. BASE 2. POLE 3. OAH 4. COLOR 5. OPTIONS/ACCESSORIES

MAXIMUM ALLOWABLE EPA (MPH)

WT

85 90 100 110 120 130 140 150

2. COLOR

Standard Color: WH White, BL Black, AN Antique Green, BR Bronze, CO Cotton, DD Dark Green, TT Taupe, WB Weathered Bronze, MB Matte Black, VBL Vinyl Blue, CRT Copper, MAL Matte Aluminum, MG Medium Gray, AGN Antique Green, LD Light Gray

Premium Color: SSK Stainless Steel, SPP Silver, SFM Satin Finish, WCP Weathered Copper, PAL Pearl, CUSTOM Custom Color

3. OPTIONS / ACCESSORIES

PH Pole Holder, SPK Spikes, PFC Brass Colored Finish, SPS Single Pole Studs, DF Double Pole Studs, ADS Adaptor 9" CO Pole, PASC Photocell Adaptor, EPALC Eyes Adaptor Contemporary

4. CERTIFICATION

UL Listed, ETL Listed, CE Marked, FCC Approved, RoHS Compliant

Dimensions: 18.7" (475 mm) height, 11.3" (287 mm) width

architectural arealighting
Accessories
PAGE 4 OF 4

BANNER ARMS

BREAKAWAY ARMS

CATALOG NO. BANNER ARMS

| | | | |
|--------|--|---------|---|
| BB5-12 | Single assembly for 4" O.D. pole, 12' arm. | BSQ4-12 | Single assembly for 4" SQ. pole, 12' arm. |
| BB5-18 | Single assembly for 4" O.D. pole, 18' arm. | BSQ4-18 | Single assembly for 4" SQ. pole, 18' arm. |
| BB5-24 | Single assembly for 4" O.D. pole, 24' arm. | BSQ4-24 | Single assembly for 4" SQ. pole, 24' arm. |
| BB5-30 | Single assembly for 4" O.D. pole, 30' arm. | BSQ4-30 | Single assembly for 4" SQ. pole, 30' arm. |
| BB5-12 | Single assembly for 5" O.D. pole, 12' arm. | | |
| BB5-18 | Single assembly for 5" O.D. pole, 18' arm. | | |
| BB5-24 | Single assembly for 5" O.D. pole, 24' arm. | | |
| BB5-30 | Single assembly for 5" O.D. pole, 30' arm. | | |
| BB5-12 | Twin assembly for 4" O.D. pole, 12' arms (2) | | |
| BB5-18 | Twin assembly for 4" O.D. pole, 18' arms (2) | | |
| BB5-24 | Twin assembly for 4" O.D. pole, 24' arms (2) | | |
| BB5-30 | Twin assembly for 4" O.D. pole, 30' arms (2) | | |
| BB5-12 | Twin assembly for 5" O.D. pole, 12' arms (2) | | |
| BB5-18 | Twin assembly for 5" O.D. pole, 18' arms (2) | | |
| BB5-24 | Twin assembly for 5" O.D. pole, 24' arms (2) | | |
| BB5-30 | Twin assembly for 5" O.D. pole, 30' arms (2) | | |

NOTE: For square poles, specify banner arms location on pole.

DESCRIPTION

Round AAL banner arms are two-piece clamshell designs for 47100mm or 57125mm diameter poles. Banner arms for square pole shall be secured to the side of the pole with two bolts. Banner arms may be easily detached from or restricted to the pole. The breakaway coupling is designed to yield in order to prevent excessive forces on the pole. An internal, stainless steel cable keeps the arm attached to the pole assembly. The wind speed at which the coupling detaches from the pole is determined by the banner type, pole height and vertical location of the banner on the pole. The loading is also affected by securing the banner at the top only, or the top and bottom.

NOTE: Factory consultation required for all Hubbell banner arms to ensure proper pole loading per application wind zone, maximum banner size and perforation considerations.

L SITE LIGHT POLE

L SITE LIGHT POLE

L SITE LIGHT POLE

GLAVÉ & HOLMES ARCHITECTURE

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PROJECT TITLE

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L SITE LIGHT POLE

SEAL

07/20/2020
DAVID C. GERSTENMAIER
No. 271
D. GERSTENMAIER
LANDSCAPE ARCHITECT

PROJECT NUMBER
M19064

DATE
July 20, 2020

DRAWN BY: CHECKED BY:

REVISIONS

| NO. | DATE | DESCRIPTION |
|-----|------|-------------|
| | | |
| | | |
| | | |
| | | |

SHEET TITLE

LIGHTING CUTSHEETS

SHEET NUMBER

L5.30

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