





NAVY FEDERAL CREDIT UNION

HQ1 AUDITORIUM ADDITION AND INTERIOR RENOVATIONS

820 FOLLIN LANE SE,
VIENNA, VA 22180

OWNER:
NAVY FEDERAL CREDIT UNION (NFCU)
820 FOLLIN LANE, SE
VIENNA, VA 22180
TIM_MARKLE@NAVYFEDERAL.ORG
703.206.3984 / CONTACT: TIM MARKLE

ARCHITECT:
ASD, INC.
3030 CLARENDON BLVD, SUITE 350
ARLINGTON, VA 22201
EBURCH@ASDNET.COM
404.688.3318 / CONTACT: EVAN BURCH

CIVIL ENGINEER:
DEWBERRY ENGINEERS INC.
8401 ARLINGTON BLVD
FAIRFAX, VA 22031
703.849.0497 / CONTACT: TIM CULLEITON

LANDSCAPE ARCHITECT:
DEWBERRY ENGINEERS INC.
8401 ARLINGTON BLVD
FAIRFAX, VA 22031
703.840.1900 / CONTACT: JACK STORY

STRUCTURAL ENGINEER:
DEWBERRY ENGINEERS INC.
8401 ARLINGTON BLVD
FAIRFAX, VA 22031
919.424.3754 / CONTACT: JOE WOLHAR

MEP ENGINEER:
DEWBERRY ENGINEERS INC.
8401 ARLINGTON BLVD
FAIRFAX, VA 22031
703.645.9711 / CONTACT: RAY HOLDENER

FIRE PROTECTION:
DEWBERRY ENGINEERS INC.
8401 ARLINGTON BLVD
FAIRFAX, VA 22031
703.289.4799 / CONTACT: JEFF KNIGHTON

LOW VOLTAGE, SECURITY, AV/TELECOM:
NEWCOMB & BOYD
303 PEACHTREE CENTER AVE NE, SUITE 525
ATLANTA, GA 30303
404.436.2998 / CONTACT: MATTHEW HOLLAND

KITCHEN CONSULTANT:
CINILITTLE
20251 CENTURY BLDV, SUITE 150
GERMANTOWN, MARYLAND 20874
240.454.7765 / CONTACT: ALISON O'HEARN

ISSUED FOR: PERMIT AND PRICING

ISSUE DATE: 04.07.2025

ASD | SKY

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NAVY FEDERAL CREDIT UNION

71473.00



VIEW FROM SOUTHWEST

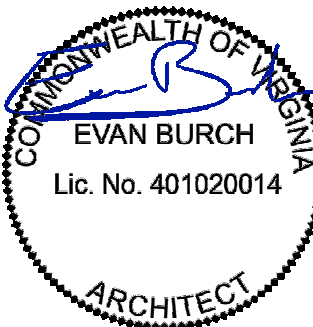
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NO.	DATE	REVISIONS
0	04/07/25	FOR PERMIT AND PRICING
D	03/28/25	FOR PERMIT
C	02/21/25	90% CD
B	12/13/24	100% DD
A	11/08/24	50% DD

DRAWING TITLE:
PROJECT INFORMATION

PROJECT NO: 71473.00	ISSUE DATE: 04/07/25
DRAWN BY: MP/EB	CHECKED BY: GC
SHEET NUMBER:	

A0.01



HEET NUMBER:
A0.01



VIEW FROM NORTHEAST

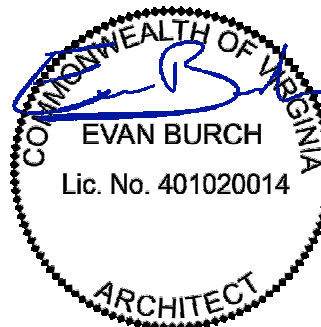
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71473.00	04/07/25
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A0.01

	ELEVATION INDICATOR:	
	<u>ELEV. NUMBER/ SHEET NUMBER</u>	
	SECTION INDICATOR:	
	SHEET NUMBER	
	ENLARGED PLANDETAIL:	
	SHEET NUMBER	
	ELEVATION HEIGHT INDICATOR:	
	HEIGHT DESCRIPTION	

A/C	AIR CONDITIONER	MAX	MAXIMUM
ADJ	ADJACENT	M.E.	MECHANICAL
ADMIN	ADMINISTRATION	MECH	MECHANICAL
AFF	ABOVE FINISH FLOOR	MEZZ	MEZZANINE
ALT	ALTERNATE	MFR	MANUFACTURER
ALUM	ALUMINUM	MGR	MANAGER
APPROX	APPROXIMATE	MISC	MISCELLANEOUS
ARCH	ARCHITECTURAL	MIN	MINIMUM
AVG	AVERAGE	M.O.	MASONRY OPENING
BLDG	BUILDING	NIC	NOT IN CONTRACT
BOT	BOTTOM	NTS	NOT TO SCALE
		NOM	NOMINAL
CPT	CARPET	OC	ON CENTER
CAB	CABINET	OD	OVERFLOW DRAIN
CFM	COLD FORM METAL	OPNG	OPENING
C.J.	CONTROL JOINT	OPP	OPPOSITE
CL	CENTERLINE		
CLG	CEILING	PL	PLASTIC LAMINATE
CLGHT	CEILING HEIGHT	PLAM	PLASTIC LAMINATE
CLR	CLEAR	PLYWD	PLYWOOD
CONE	CONFERENCE	PT	PAINT
CONT	CONTINUOUS		
CORR	CORRIDOR	QTY	QUANTITY
DIA	DIAMETER		
DM	DIMENSION		
DN	DOWN	RD	ROOF DRAIN
DR	DOOR	REF	REFRIGERATOR
DT/DET	DETAIL	REFR	REFRIGERATOR
DWG	DRAWING	REQ	REQUIRED
		REV	REVISION/REVISED
		RM	ROOM
EL	ELEVATION	R.O.	ROUGH OPENING
ELEV	ELEVATOR		
EQ	EQUAL	S.A.M.	SELF ADHESIVE MEMBRANE
EQUIP	EQUIPMENT	SAN	SANITARY
EXST	EXISTING	SCHED.	SCHEDULE
		SEC	SECRETARY
FE	FINISHED END	SF	SQUARE FOOT
FEC	FIRE EXTINGUISHER	SIM	SIMILAR
F	FIRE EXTINGUISHER CABINET	S.O.G.	SLAB ON GRADE
FL	FLOOR	SPECS	SPECIFICATIONS
FURN	FACE OF FURNITURE	SQ	SQUARE
		SS	STAINLESS STEEL
GA	GAUGE	STD	STANDARD
GALV	GALVANIZE	STOR	STORAGE
GWB	GYPSSUM WALL BOARD	SW	SWITCH
GYP BD	GYPSSUM BOARD		
HDW	HARDWARE	TV	TELEVISION
HVAC	HEATING,VENTILATING,AIR CONDITIONING	TYP	TYPICAL
		UNO	UNLESS NOTED OTHERWISE
INT	INTERIOR	VCT	VINYL COMPOSITION TILE
		VENT	VENTILATION
JAN	JANITOR	VERT	VERTICAL
JUNC	JUNCTION	VWC	VINYL WALLCOVERING
		VEST	VESTIBULE
LAB	LABORATORY		
LAM	LAMINATED	W/	WITH
LAVATORY	LAVATORY	WC	WALLCOVERING
LGM	LIGHT GUAGE METAL	WD	WOOD
L.O.	LOUVER OPENING	W/O	WITHOUT

I. AUTHORITIES HAVING JURISDICTION	
A. JURISDICTION	TOWN OF VIENNA / FAIRFAX COUNTY
B. PLANNING	CONTACT: JILL G. COOPER, 703-234-4805
C. FIRE MARSHAL	CONTACT: JOHN WALSER, 703-246-2860
II. APPLICABLE BUILDING CODES	
A. BUILDING/DEVELOPING CODE:	2021 VIRGINIA CONSTRUCTION CODE, 2021 INTERNATIONAL BUILDING CODE
B. PLUMBING CODE:	2021 VIRGINIA PLUMBING CODE, 2021 INTERNATIONAL PLUMBING CODE
C. MECHANICAL CODE:	2021 VIRGINIA MECHANICAL CODE, 2021 INTERNATIONAL MECHANICAL CODE
D. ELECTRICAL CODE:	2020 NATIONAL ELECTRICAL CODE, 2020 NFPA 70
E. FIRE CODE:	2021 STATEWIDE FIRE PREVENTION CODE, 2021 INTERNATIONAL FIRE CODE
F. GAS CODE:	2021 VIRGINIA FUEL GAS CODE, 2021 INTERNATIONAL FUEL GAS CODE
G. ENERGY CODE:	2021 VIRGINIA ENERGY CONSERVATION CODE, 2021 INTERNATIONAL ENERGY CONSERVATION CODE
H. LIFE SAFETY CODE:	2021 VIRGINIA CONSTRUCTION CODE, 2021 INTERNATIONAL BUILDING CODE
I. ACCESSIBILITY:	2021 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ICC/ANSI A117.1)
J. EXISTING BUILDING CODE:	2021 VIRGINIA EXISTING BUILDING CODE, 2021 INTERNATIONAL EXISTING BUILDING CODE

A. CONSTRUCTION TYPE:	TYPE 1-A MODIFIED TO TYPE IIB	IBC SECTION 602
B. BUILDING HEIGHT:	6 STORIES	IBC SECTION 504
C. NO. OF STORIES:	6	IBC SECTION 504
D. BUILDING AREA:	896,855 SF (EXISTING)	IBC SECTION 506.1
E. NO. EXITS PER FLOOR:	2	IBC TABLE 1006.3.3
F. FIRE RESISTANCE RATINGS FOR BUILDING ELEMENTS:		IBC TABLE 601
1. PRIMARY STRUCTURAL FRAME:	3 HOURS	
2. BEARING WALLS:		
a. EXTERIOR	3 HOURS	
b. INTERIOR	3 HOURS	
3. NON BEARING WALLS + PARTITIONS	0 HOURS	IBC TABLE 602
a. EXTERIOR		
1. IF LESS THAN 5 FEET	1 HOUR	
2. IF BETWEEN 5 FEET AND 10 FEET	1 HOUR	
3. IF BETWEEN 10 FEET AND 30 FEET	1 HOUR	
4. IF OVER 30 FEET	0 HOURS	
4. NON BEARING WALLS + PARTITIONS		IBC TABLE 601
b. INTERIOR	0 HOURS	
5. FLOOR CONSTRUCTION:	2 HOURS	
6. ROOF CONSTRUCTION:	2 HOURS	
7. CORRIDOR / TENANT SEPARATION:	N/A	
8. SHAFT ENCLOSURES:	N/A	
G. ELEVATOR LOBBY:	N/A	
H. HORIZONTAL EXIT:	N/A	
J. EXIT ACCESS CORRIDORS:	N/A	

A. CLASSIFICATION TYPE:	B - BUSINESS
B. CONSTRUCTION AREA:	A - ASSEMBLY
C. OCCUPANT LOAD	SEE LIFE SAFETY PLAN FOR OCCUPANT LOAD REQUIREMENTS
D. FIXTURE REQUIREMENTS	SEE LIFE SAFETY PLAN FOR PLUMBING FIXTURE REQUIREMENTS IBC SECTION 2901.1

A. MAXIMUM TRAVEL DISTANCE:	300' (SPRINKLERED)	IBC TABLE 1017.1
B. MAXIMUM DEAD END CORRIDOR:	50' (SPINKLERED)	IBC SECTION 1020.5
C. COMMON PATH OF TRAVEL:	100' (SPRINKLERED)	IBC SECTION 1030.8
D. EXIT SEPARATION:	1/3 THE BUILDING DIAGONAL (SPRINKLERED)	IBC SECTION 1007.1.1
E. MINIMUM OPENING OF EXIT DOORS:	36" MIN.	IBC SECTION 1010.11
F. MINIMUM EXIT RAMP / STAIR WIDTH:	44" (SPRINKLERED)	IBC SECTION 1011.2
G. MINIMUM CORRIDOR WIDTH	44"	IBC TABLE 1020.3
H. EGRESS CAPACITY (WIDTH PER PERSON)		IBC SECTION / 1005.3.2
-	EGRESS LEVEL COMPONENT FACTOR: 0.2	
-	EGRESS STAIRWAYS FACTOR 0.3	SEE LIFE SAFETY PLAN FOR EGRESS CAPACITY REQUIREMENTS

A. MANUAL FIRE ALARM BOXES:	MIN. 5 FT FROM EXIT	
B. VISIBLE ALARMS REQUIRED IN PUBLIC AREAS		
C. FIRE EXTINGUISHER REQUIREMENTS:		
1. MAXIMUM AREA PER EXTINGUISHER	11,250 SQ FT	IBC TABLE 906.3
2. MAX TRAVEL DISTANCE TO EXTINGUISHER	75 FT	IBC TABLE 906.3
D. REFER TO MEP DRAWINGS FOR OTHER DOCUMENTATIONS		

<p>A. FINISH REQUIREMENTS BASED UPON OCCUPANCY: (SPRINKLERED)</p>	<p>CLASS-B, FLAME SPREAD 26-75; SMOKE DEVELOPED 0-450</p>	<p>IBC TABLE 803.13</p>
<p>B. EXITS:</p>	<p>CLASS-C, FLAME SPREAD 76-200; SMOKE DEVELOPED 0-450</p>	
<p>C. ACCESS TO EXITS</p>	<p>CLASS-C, FLAME SPREAD 76-200; SMOKE DEVELOPED 0-450</p>	
<p>C. OTHER SPACES</p>	<p>CLASS-C, FLAME SPREAD 76-200; SMOKE DEVELOPED 0-450</p>	

REFER TO 2021 VCC 712.1.9 FOR TWO-STORY OPENING DEFINITIONS AS APPLICABLE TO THIS PROJECT

REFER TO THE SN SERIES FOR ADDITIONAL INFORMATION

BUILDING FRONTAGE:	1,500 LINEAR FT
ALLOWABLE SIGN AREA:	2,250 SF
(NTE 200 SF FOR INDIVIDUAL SIGN)	
1. "NAVY FEDERAL" AT ENTRY	23 SF ESTIMATED
2. "OPERATIONS CENTER"	12 SF ESTIMATED
3. "TRAINING CENTER"	11 SF ESTIMATED
4. MARY'S MILE	14.4 SF APPROX.
5. "NAVY FEDERAL CREDIT UNION"	73.1 SF APPROX.

TWO EXISTING VEHICULAR DIRECTIONAL SIGNS ARE TO BE RELOCATED TO ADJUST TO NEW CONSTRUCTION. NO NEW SIGNAGE WILL BE ADDED.

THIS PROJECT CONSISTS OF THE FOLLOWING PARTS:

1. THE DEMOLITION OF THE EXISTING ATM STRUCTURE AND ASSOCIATED DRIVEWAY.
2. THE RENOVATION OF INTERIOR OFFICE SPACE IN THE CONFERENCE CENTER PORTION OF THE HQ1 BUILDING.
3. THE ADDITION OF A NEW AUDITORIUM SPACE LOCATED ADJACENT TO THE SE OF THE CONFERENCE CENTER. THE AUDITORIUM ADDITION WILL INCLUDE A FULL BASEMENT FOR FURNITURE STORAGE, MECHANICAL, AND OFFICE SPACE.
4. THE AUDITORIUM IS FOR NFCU EMPLOYEES ONLY, OUTSIDE ORGANIZATIONS ARE NOT TO USE THE SPACE.

THE GROSS SQUARE FOOTAGE OF THE RENOVATION IS: **8,800SF**
 THE GROSS SQUARE FOOTAGE OF THE ADDITION IS: **L3 = 6,789SF**
L3 = 8,072SF

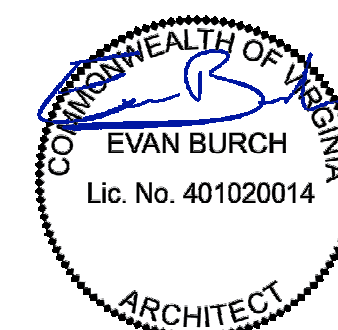
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The site plan shows a large, irregularly shaped plot of land. A rectangular area in the upper right corner is shaded with a cross-hatch pattern and labeled "PROJECT SITE". To the left of the Project Site is a rectangular building labeled "HQ1 BUILDING". A road or path runs along the right side of the plot, with a curved section adjacent to the HQ1 Building. A north arrow is located in the bottom right corner, pointing towards the top right of the page.

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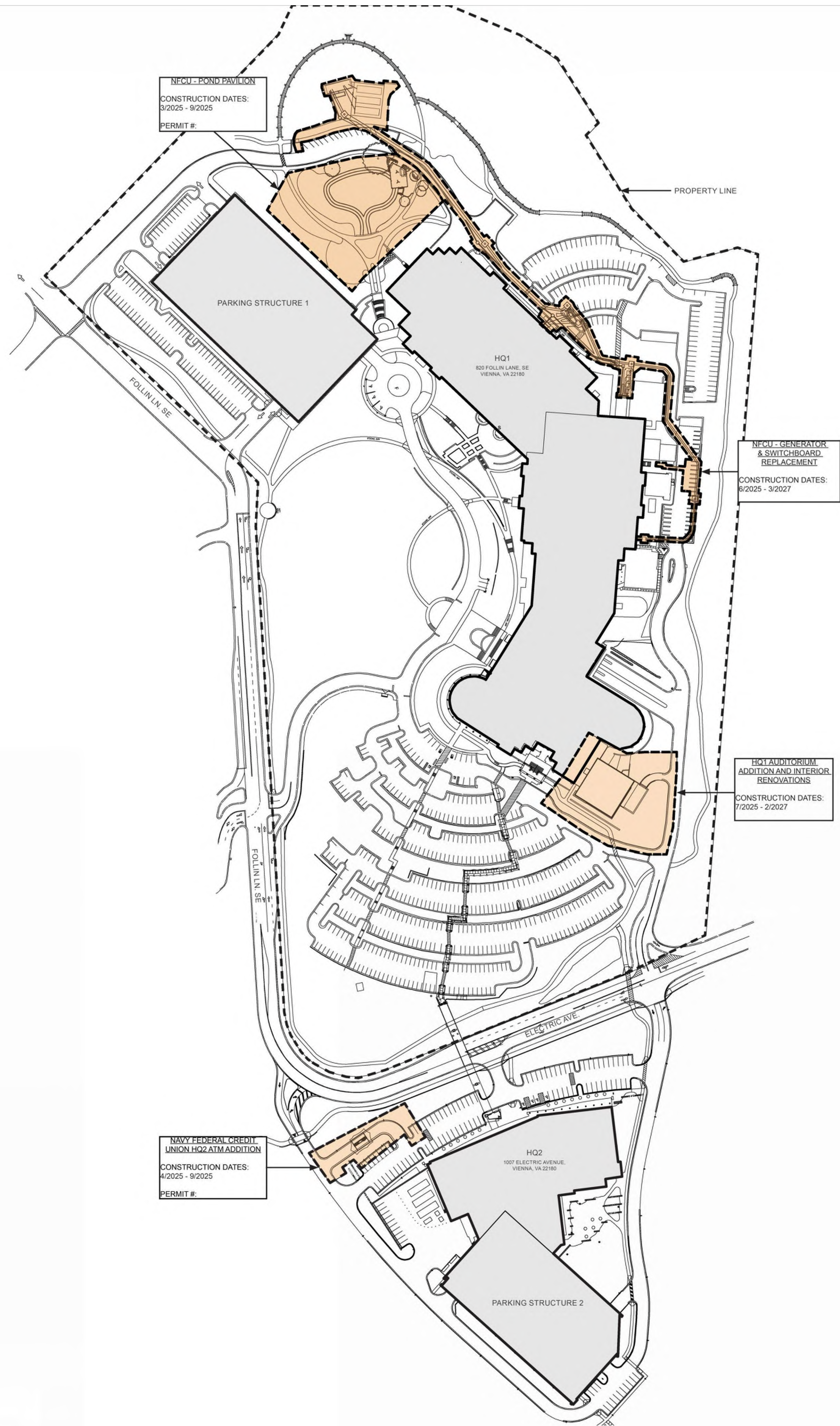
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DRAWING TITLE:
PROJECT INFORMATION

PROJECT NO.: 71473.00	ISSUE DATE: 04/07/25
DRAWN BY: MP/EB	CHECKED BY: GC
SHEET NUMBER: 1	

A0.01



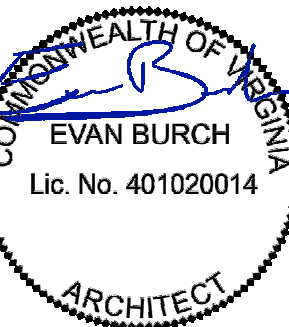
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REVISIONS:		

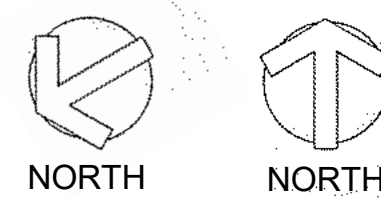
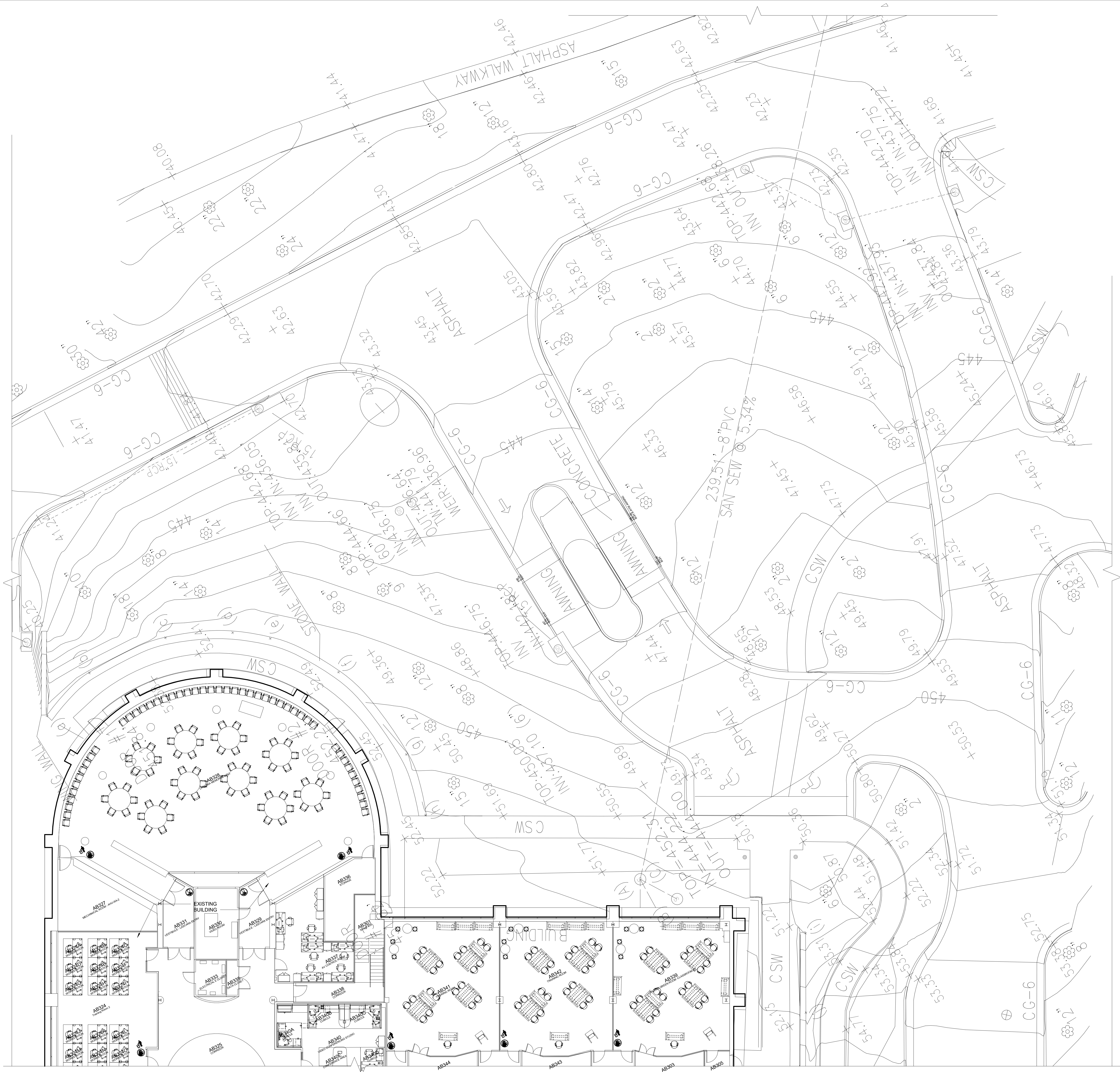
DRAWING TITLE:
CAMPUS PROJECTS IN
PLANNING AND
CONSTRUCTION

PROJECT NO: 71473.00	ISSUE DATE: 04/07/25
DRAWN BY: MP/EB	CHECKED BY: GC
SHEET NUMBER:	

A1.30



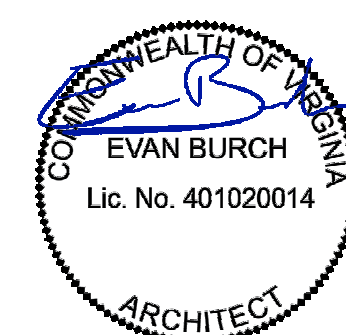
4/7/2025 3:12:25 PM



LEGEND

- CG CURB & GUTTER
- CMP CORRUGATED METAL PIPE
- CSW CONCRETE SIDEWALK
- RCP REINFORCED CONCRETE PIPE
- PVC POLYVINYL CHLORIDE
- BOLLARD
- ELECTRIC HAND HOLE
- FIBER OPTIC HAND HOLE
- FIRE HYDRANT
- LIGHT POLE
- SANITARY SEWER MANHOLE
- SIGN
- STORM DRAIN MANHOLE
- STORM GRATE
- TREE
- WATER VALVE
- BRUSH LINE
- HAND RAIL
- SANITARY SEWER PIPE
- STORM DRAIN PIPE

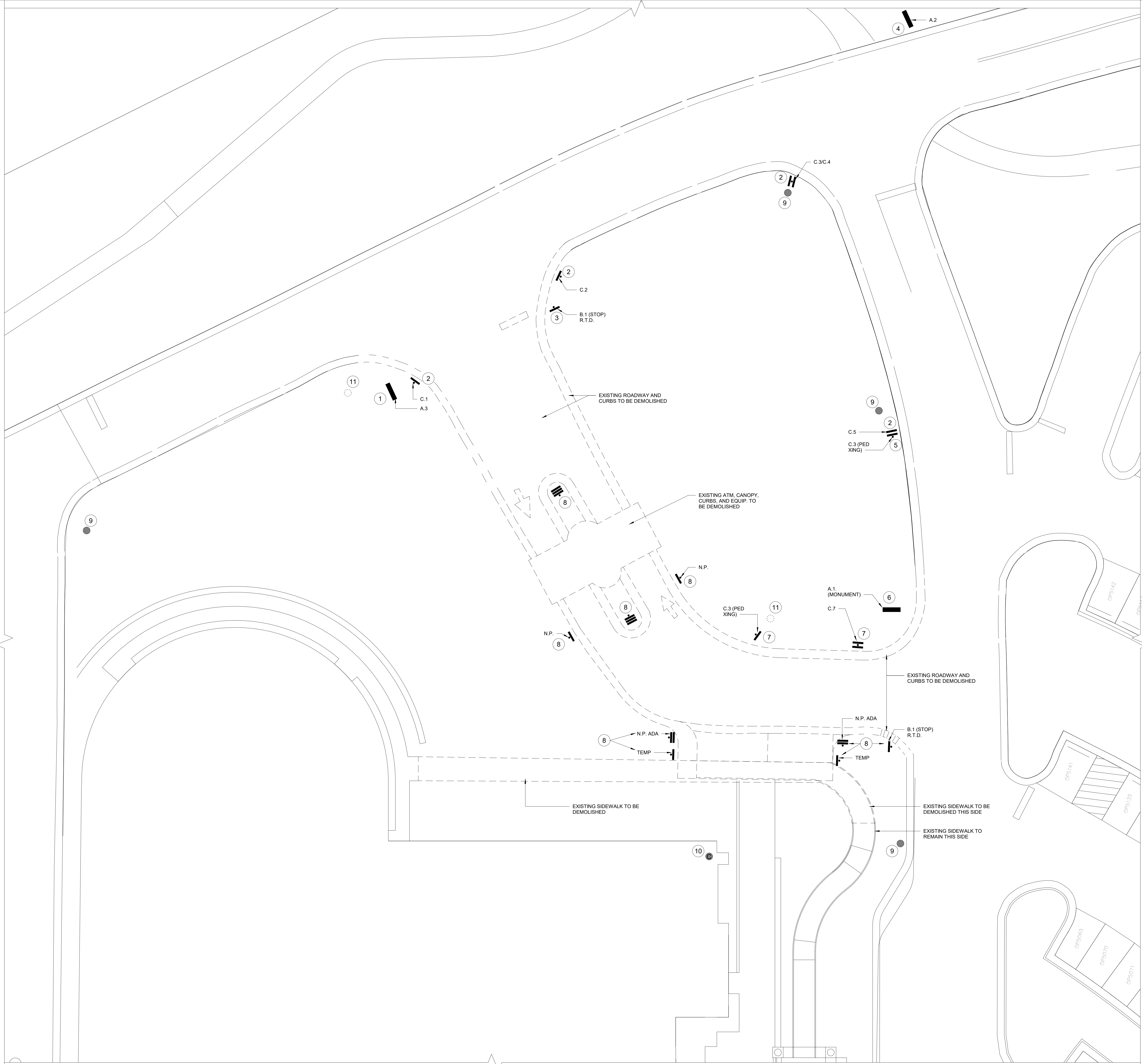
SS
SD



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NO.	DEMO PLAN NOTE
1	A.3 REMOVE SIGN AND SALVAGE FOR REUSE. DEMOLISH AND REMOVE CONCRETE FOUNDATION. INSTALL NEW CONCRETE FOUNDATION AND REINSTALL SIGN IN NEW LOCATION.
2	C.1 REMOVE SIGN, POLE, AND FOUNDATION. SALVAGE SIGN FOR REINSTALLATION ON NEW POLE IN NEW LOCATION.
3	REMOVE SIGN, POLE, AND FOUNDATION. SALVAGE SIGN AND REINSTALL ALONG WITH NEW POLE.
4	A.2 FOUNDATION AND BASE CABINET TO REMAIN IN PLACE. REMOVE ONE SECTION OF WRAPPED PANEL AND REPLACE WITH NEW WRAP WITH NEW TEXT.
5	REMOVE AND SALVAGE SIGN FOR REINSTALLATION ON NEW POLE IN NEW LOCATION.
6	REMOVE SIGN AND SALVAGE FOR REUSE. DEMOLISH AND REMOVE CONCRETE FOUNDATION. INSTALL NEW CONCRETE FOUNDATION AND REINSTALL SIGN IN NEW LOCATION. REMOVE ONE SECTION OF WRAPPED PANEL AND REPLACE WITH NEW WRAP WITH NEW TEXT.
7	REMOVE AND SALVAGE SIGN. RETURN TO OWNER FOR ATTIC STOCK.
8	REMOVE SIGNS, POLES, AND FOUNDATIONS. SALVAGE SIGN AND RETURN TO OWNER FOR ATTIC STOCK.
9	EXISTING POLE LIGHTS TO REMAIN AND REMAIN OPERATIONAL THROUGHOUT PROJECT.
10	EXISTING ROOFTOP CAMERA TO REMAIN.
11	EXISTING LIGHT POLE TO BE REMOVED, SALVAGED AND REINSTALLED IN NEW LOCATION.

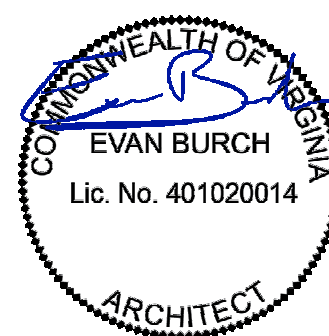
4 DEMO PLAN CODED NOTES 1 CODED NOTE

SIGN TYPE:	A	B	C	D	E	F	A.1.A1
SIGN NUMBER:	1	2	3	4	5		
SIGN SIDE:	A1	A2	B1	B2			
ELECTRICAL:							

- A VEHICULAR DIRECTIONAL SIGN
B SINGLE SIGN WITH POLE
C STOP SIGN
D PEDESTRIAN CROSSING
H BUILDING SIGNAGE
J SLOGAN SIGNAGE
C CAMERA

3 SIGNAGE LEGEND

SYMBOL	DESCRIPTION	REMARKS
—	EXISTING ITEM TO REMAIN	
- - -	EXISTING ITEM TO BE DEMOLISHED	



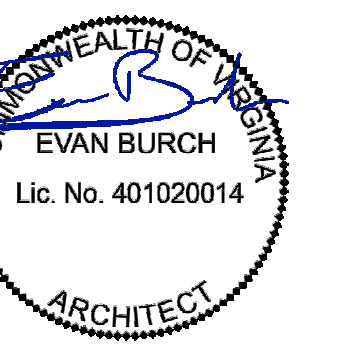
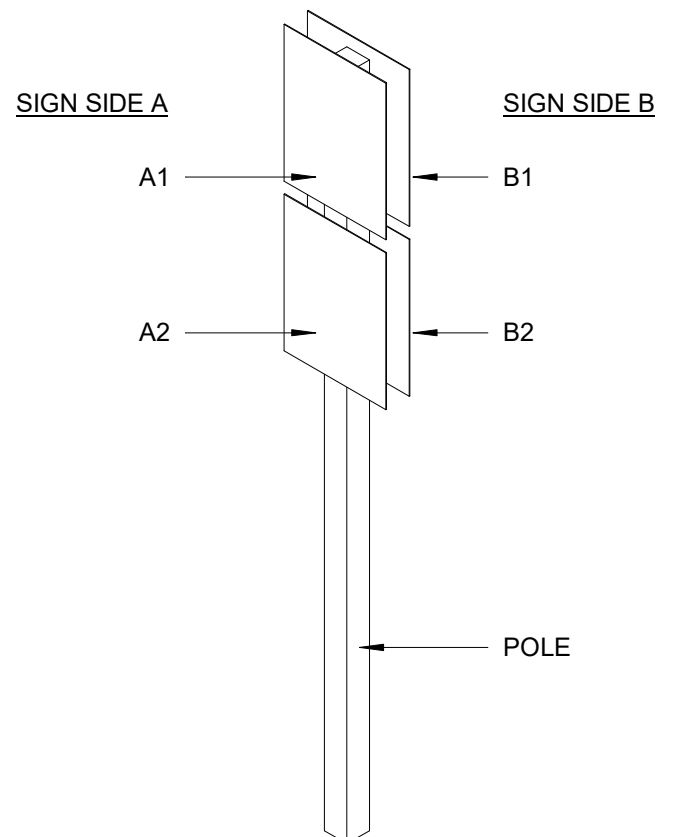
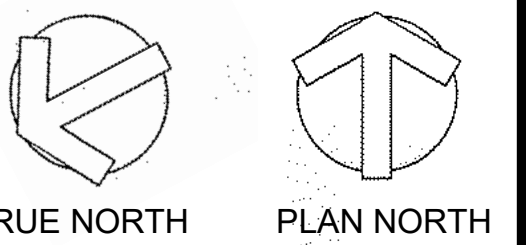
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DRAWING TITLE: ARCHITECTURAL & SIGNAGE SITE DEMOLITION PLAN	
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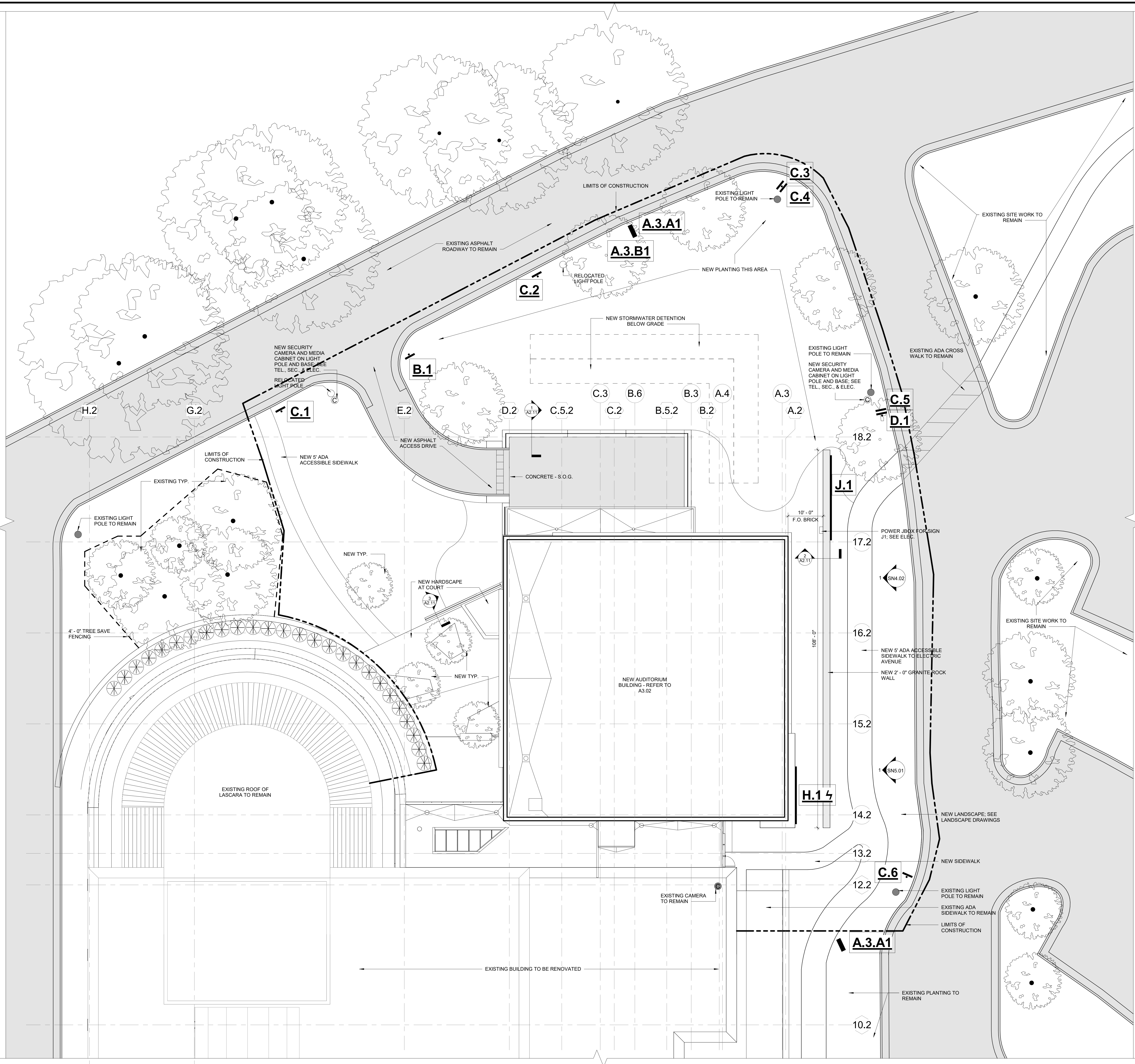
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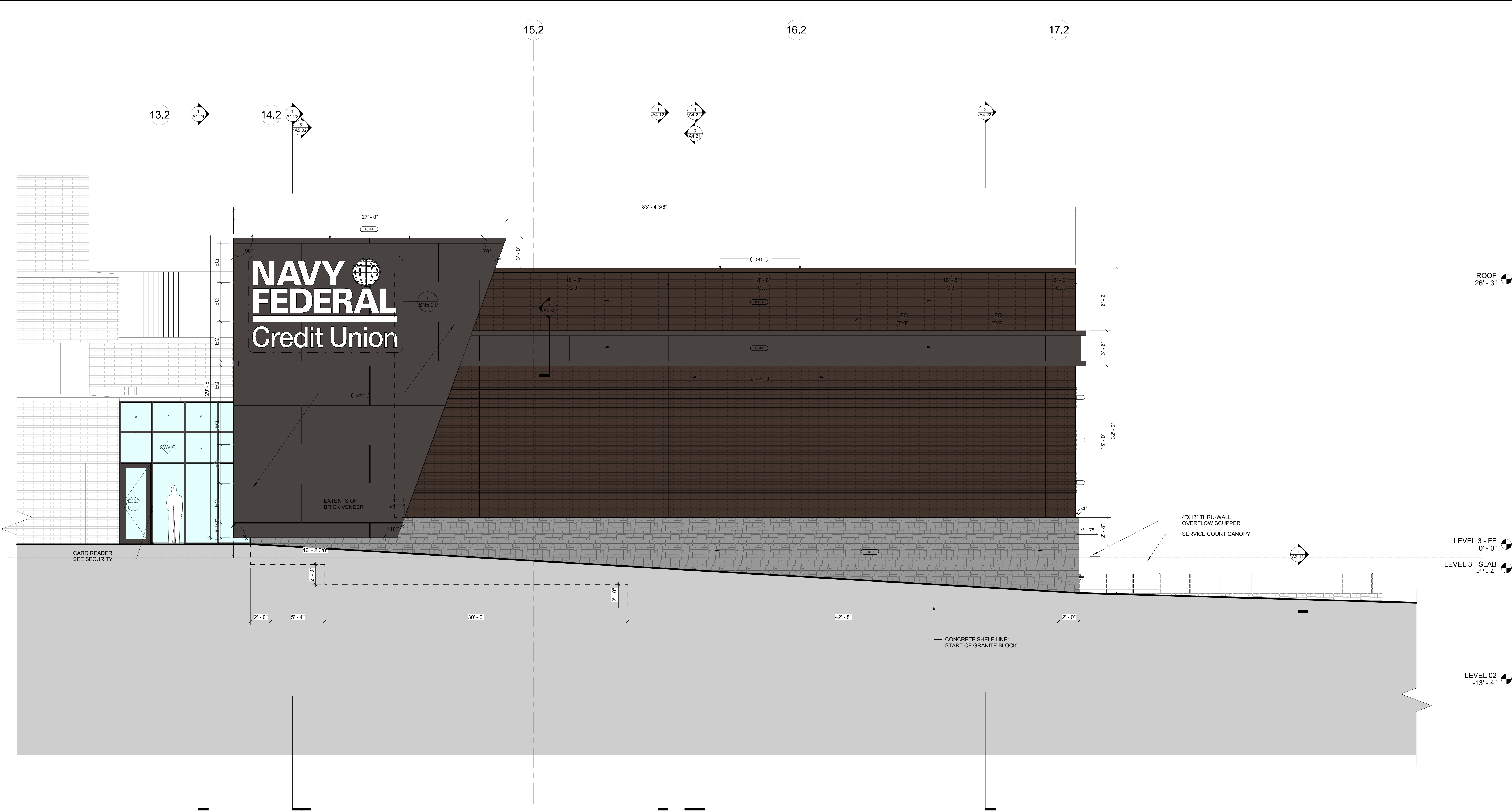
WORKING TITLE:
ARCHITECTURAL &
SIGNAGE SITE PLAN

ECT NO.:	ISSUE DATE:
71473.00	04/07/25
IN BY:	CHECKED BY:

A2.01



EXTERIOR FINISH SCHEDULE			
KEY	NAME	MANUFACTURER	DESCRIPTION
GNT-1	GRANITE VENEER	TBD	MATCH SIZE AND SHADES OF EXISTING GRANITE WALL AT LASCARA
BRK-1	BROWN BRICK (DARK)	BELDEN	MODULAR SEAL BROWN VELOUR A 11-21; SUGARCREEK PLANT 6. RUNNING BOND @ 8" PER 3 COURSES
ACM-1	COMPOSITE WALL PANEL - RAIN SCREEN	REYNOBOND	ACM PANEL AT EXT. FACADE; COLORWELD 500 - CLASSIC BRONZE; 4MM FR
ACM-2	INSULATING COMPOSITE PANEL - IN CURTAIN WALL	REYNOBOND	1" INSULATED COMPOSITE PANEL GLAZED INTO CURTAIN WALL SYSTEM; COLORWELD 500 - CLASSIC BRONZE
SM-1	METAL COPING	REYNOBOND	REFER TO SPEC; COLOR IS CUSTOM TO MATCH ACM PANEL
CW-1A	CURTAIN WALL, ENTRANCE DOORS, SUNSCREENS	YKK	750 OG; CUSTOM 75% KYNAR COATING TO MATCH ACM PANEL
CW-1B	CURTAIN WALL, ENTRANCE DOORS, SUNSCREENS	YKK	750 OG; CUSTOM 75% KYNAR COATING TO MATCH ACM PANEL
CW-1C	CURTAIN WALL, ENTRANCE DOORS, SUNSCREENS	YKK	750 OG; CUSTOM 75% KYNAR COATING TO MATCH ACM PANEL
EPT-1	H.M. FRAMES AND DOORS	TBD	REFER TO SPEC; EXTERIOR PAINT COLOR TO MATCH ACM PANEL
EPT-2	MECHANICAL SHAFT	TBD	REFER TO SPEC; PAINT FOR GWB AT MECHANICAL SHAFT
SEALANT-1	TBD	DOW 795	REFER TO SPEC; JOINT SEALANT - COLOR TBD
SEALANT-2	TBD	DOW 795	REFER TO SPEC; JOINT SEALANT - COLOR TBD
SEALANT-3	TBD	DOW 795	REFER TO SPEC; JOINT SEALANT - COLOR TBD
LOUVER - L1, L2, L3	TBD	RUSKIN	REFER TO SPEC; LOUVERS AND FRAMES; CUSTOM COLOR TO MATCH ACM PANEL
GL-1	CURTAIN WALL AND ENTRANCE DOOR GLAZING	VIRACON	1" INSULATING TINTED GLASS PANEL; FOR CW-1A AND CW-1B
GL-2	CURTAIN WALL GLAZING	VIRACON	1" INSULATING SPANDREL GLASS PANEL
GL-3	CURTAIN WALL AND ENTRANCE DOOR GLAZING	VIRACON	1" INSULATING CLEAR GLASS PANEL; FOR CW-1C
GL-4	SKYLIGHT GLAZING	VIRACON	1" INSULATING GLASS PANEL; FOR SKYLIGHT



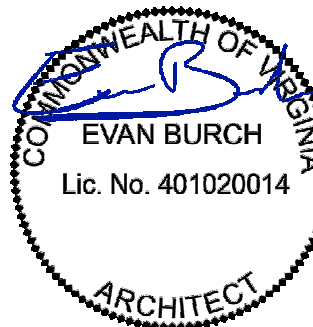
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0	03/28/25	FOR PERMIT
C	02/21/25	90% CD
B	12/13/24	100% DD
A	11/08/24	50% DD

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A4.01

2 SOUTH ELEVATION AT RETAINING WALL RAILING

1/4" = 1'-0"

EXTERIOR FINISH SCHEDULE			
KEY	NAME	MANUFACTURER	DESCRIPTION
GNT-1	GRANITE VENEER	TBD	MATCH SIZE AND SHADES OF EXISTING GRANITE WALL AT LASCARA
BRK-1	BROWN BRICK (DARK)	BELDEN	MODULAR SEAL BROWN VELOUR A 11-21; SUGARCREEK PLANT 6. RUNNING BOND @ 8" PER 3 COURSES
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SM-1	METAL COPING	REYNOBOND	REFER TO SPEC; COLOR IS CUSTOM TO MATCH ACM PANEL
CW-1A	CURTAIN WALL, ENTRANCE DOORS, SUNSCREENS	YKK	750 OG; CUSTOM 75% KYNAR COATING TO MATCH ACM PANEL
CW-1B	CURTAIN WALL, ENTRANCE DOORS, SUNSCREENS	YKK	750 OG; CUSTOM 75% KYNAR COATING TO MATCH ACM PANEL
CW-1C	CURTAIN WALL, ENTRANCE DOORS, SUNSCREENS	YKK	750 OG; CUSTOM 75% KYNAR COATING TO MATCH ACM PANEL
EPT-1	H.M. FRAMES AND DOORS	TBD	REFER TO SPEC; EXTERIOR PAINT COLOR TO MATCH ACM PANEL
EPT-2	MECHANICAL SHAFT	TBD	REFER TO SPEC; PAINT FOR GWB AT MECHANICAL SHAFT
SEALANT-1	TBD	DOW 795	REFER TO SPEC; JOINT SEALANT - COLOR TBD
SEALANT-2	TBD	DOW 795	REFER TO SPEC; JOINT SEALANT - COLOR TBD
SEALANT-3	TBD	DOW 795	REFER TO SPEC; JOINT SEALANT - COLOR TBD
LOUVER - L1, L2, L3	TBD	RUSKIN	REFER TO SPEC; LOUVERS AND FRAMES; CUSTOM COLOR TO MATCH ACM PANEL
GL-1	CURTAIN WALL AND ENTRANCE DOOR GLAZING	VIRACON	1" INSULATING TINTED GLASS PANEL; FOR CW-1A AND CW-1B
GL-2	CURTAIN WALL GLAZING	VIRACON	1" INSULATING SPANDREL GLASS PANEL
GL-3	CURTAIN WALL AND ENTRANCE DOOR GLAZING	VIRACON	1" INSULATING CLEAR GLASS PANEL; FOR CW-1C
GL-4	SKYLIGHT GLAZING	VIRACON	1" INSULATING GLASS PANEL; FOR SKYLIGHT

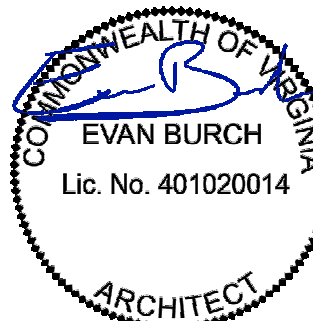
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3	12/13/24	100% DD
4	11/08/24	50% DD

DRAWING TITLE:
SOUTH ELEVATION

PROJECT NO.:
71473.00

ISSUE DATE:
04/07/25

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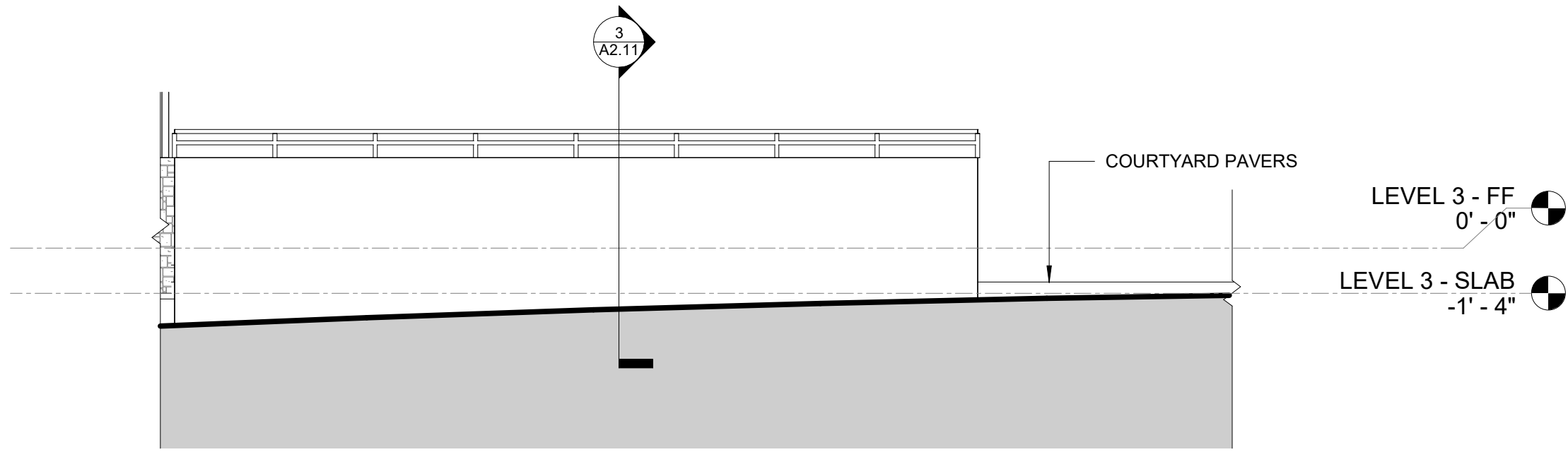
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1 SOUTH ELEVATION

1/4" = 1'-0"

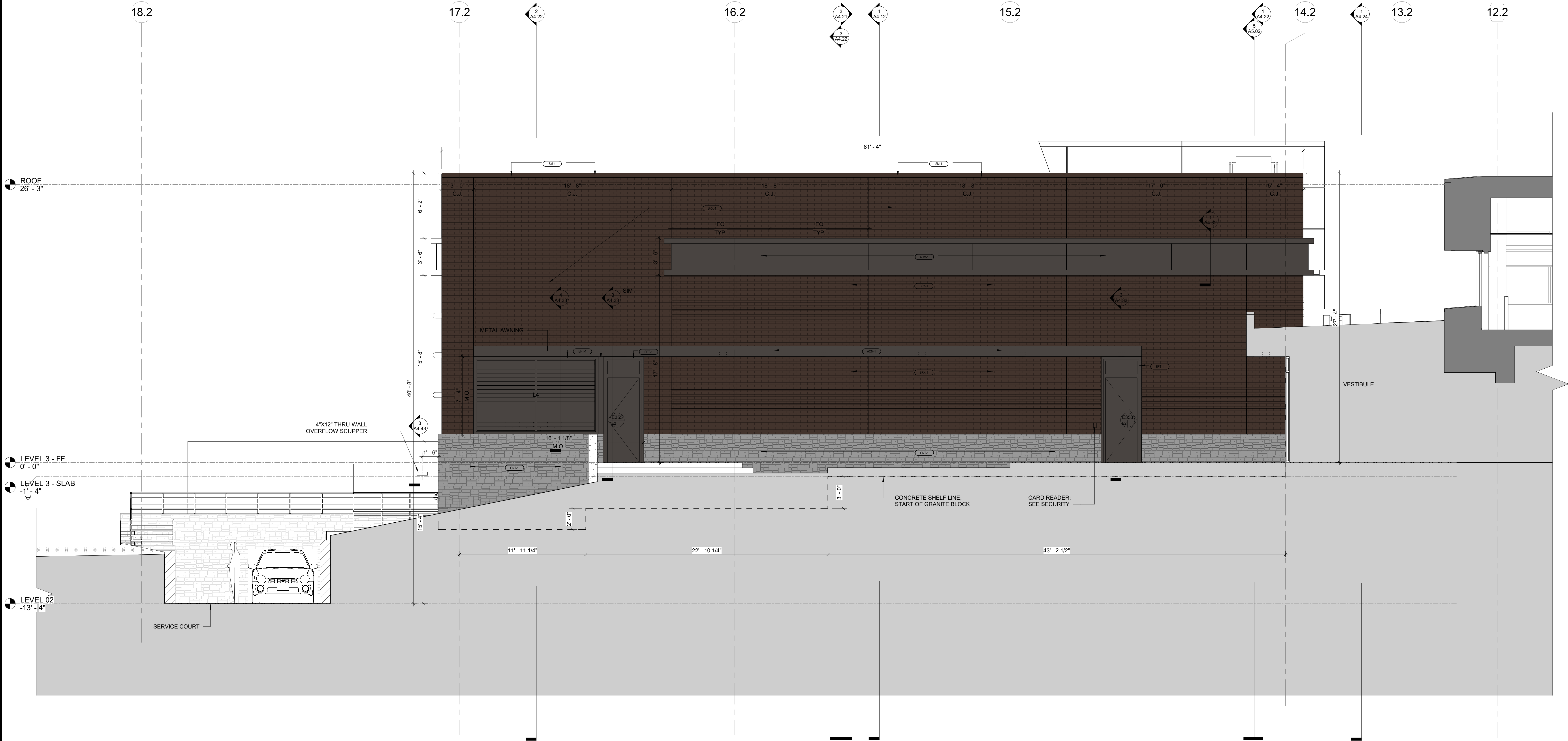
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2 EAST ELEVATION AT COURTYARD RETAINING WALL

1/4" = 1'-0"

EXTERIOR FINISH SCHEDULE			
KEY	NAME	MANUFACTURER	DESCRIPTION
GNT-1	GRANITE VENEER	TBD	MATCH SIZE AND SHADES OF EXISTING GRANITE WALL AT LASCARA
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ACM-1	COMPOSITE WALL PANEL - RAIN SCREEN	REYNOBOND	ACM PANEL AT EXT. FACADE; COLORWELD 500 - CLASSIC BRONZE; 4MM FR
ACM-2	INSULATING COMPOSITE PANEL - IN CURTAIN WALL	REYNOBOND	1" INSULATED COMPOSITE PANEL GLAZED INTO CURTAIN WALL SYSTEM; COLORWELD 500 - CLASSIC BRONZE
SM-1	METAL COPING	REYNOBOND	REFER TO SPEC; COLOR IS CUSTOM TO MATCH ACM PANEL
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EPT-1	H.M. FRAMES AND DOORS	TBD	REFER TO SPEC; EXTERIOR PAINT COLOR TO MATCH ACM PANEL
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SEALANT-1	TBD	DOW 795	REFER TO SPEC; JOINT SEALANT - COLOR TBD
SEALANT-2	TBD	DOW 795	REFER TO SPEC; JOINT SEALANT - COLOR TBD
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LOUVER - L1, L2, L3	TBD	RUSKIN	REFER TO SPEC; LOUVERS AND FRAMES; CUSTOM COLOR TO MATCH ACM PANEL
GL-1	CURTAIN WALL AND ENTRANCE DOOR GLAZING	VIRACON	1" INSULATING TINTED GLASS PANEL; FOR CW-1A AND CW-1B
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GL-3	CURTAIN WALL AND ENTRANCE DOOR GLAZING	VIRACON	1" INSULATING CLEAR GLASS PANEL; FOR CW-1C
GL-4	SKYLIGHT GLAZING	VIRACON	1" INSULATING GLASS PANEL; FOR SKYLIGHT



1 EAST ELEVATION

1/4" = 1'-0"

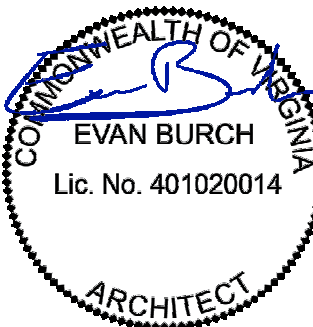
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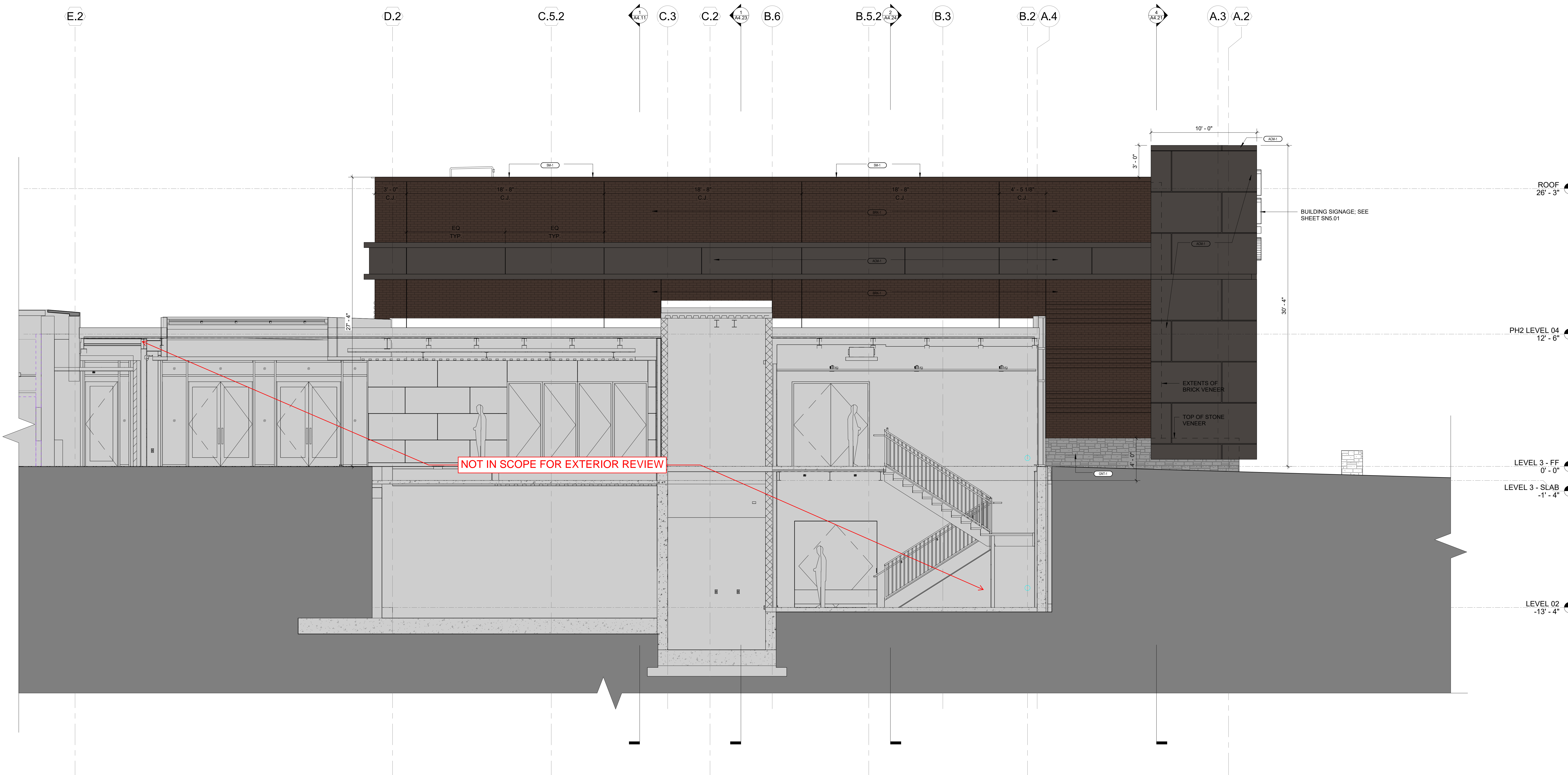
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EXTERIOR FINISH SCHEDULE			
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SEALANT-3	TBD	DOW 795	REFER TO SPEC; JOINT SEALANT - COLOR TBD
LOUVER - L1, L2, L3	TBD	RUSKIN	REFER TO SPEC; LOUVERS AND FRAMES; CUSTOM COLOR TO MATCH ACM PANEL
GL-1	CURTAIN WALL AND ENTRANCE DOOR GLAZING	VIRACON	1" INSULATING TINTED GLASS PANEL; FOR CW-1A AND CW-1B
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GL-3	CURTAIN WALL AND ENTRANCE DOOR GLAZING	VIRACON	1" INSULATING CLEAR GLASS PANEL; FOR CW-1C
GL-4	SKYLIGHT GLAZING	VIRACON	1" INSULATING GLASS PANEL; FOR SKYLIGHT



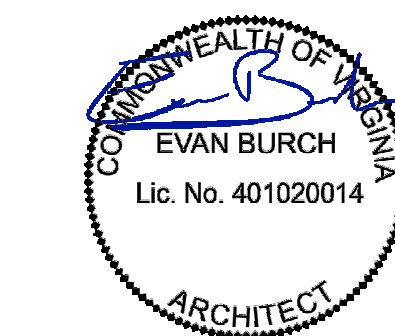
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ACM-1 & 2: ACM PANEL SYSTEM

ARCHITECT'S SPECIFICATION

- PART 2 PRODUCTS
- 2.01 MANUFACTURERS
- A. Basis of Design: Reynobond, 4mm FR; at ACM-1.
 - B. Basis of Design: Reynobond, 1 inch thick; insulating panel; at ACM-2.
 - 1. Substitutions not allowed.
 - C. Certified Installers
 - 1. Contact Reynobond for certified Installers.
- 2.02 WALL PANEL SYSTEM
- A. Wall Panel System: Metal panels, fasteners, and anchors designed to be supported by framing or other substrate provided by others; provide installed panel system capable of maintaining specified performance without defects, damage or failure.
 - 1. Provide structural design by or under direct supervision of a Structural Engineer licensed in Virginia.
 - 2. Provide panel jointing and weatherseal using reveal joints and gaskets but no sealant.
 - 3. Anchor panels to supporting framing without exposed fasteners.
 - B. COMPOSITE METAL PANELS
 - 1. **ACM-1: Composite Metal Panels: Factory-formed, aluminum-faced composite panels fabricated from two sheets of 0.020 inch (0.51) thick aluminum facing sheets with metal facings bonded to thermoplastic core, and rout and return joinery.**
 - a. Thickness: 4 mm nominal.
 - b. Panel Flatness: Maximum allowable distortion: 1/32 inch in 24 inches in any direction.
 - c. Panel Core: Fire retardant.
 - d. Stiffeners: Manufacturer's standard stiffener as required to meet performance requirements.
 - e. Face Sheet Surface: Smooth.
 - f. Face Sheet Cold-Coated Finish:
 - 1. Fluoropolymer Three-Coat Metallic System: 0.2 mil primer with 0.8 mil 70 percent PVDF fluoropolymer color coat containing metal flakes, and a 0.5 mil 70 percent PVDF fluoropolymer clear coat, AAMA 620.
 - (a) Colorweld 500.
 - 2) Color:
 - (a) **Classic Bronze.**
 - 3) Unexposed Interior Finish: Manufacturer's standard primer.
 - 4) Exposed Trim and Fastener Finish: Match panel finish.
 - 2. **ACM-2: Insulating Composite Metal Panels: Factory-formed, aluminum-faced composite panels fabricated from two sheets of 0.020 inch (0.51) thick aluminum facing sheets with metal facings bonded to rigid insulating core.**
 - a. Thickness: 1 inch total thickness.
 - b. Panel Flatness: Maximum allowable distortion: 1/32 inch in 24 inches in any direction.
 - c. Panel Core: Fire retardant.
 - d. Face Sheet Surface: Smooth.
 - e. Face Sheet Cold-Coated Finish:
 - 1) Fluoropolymer Three-Coat Metallic System: 0.2 mil primer with 0.8 mil 70 percent PVDF fluoropolymer color coat containing metal flakes, and a 0.5 mil 70 percent PVDF fluoropolymer clear coat, AAMA 620.
 - (a) Colorweld 500.
 - 2) Color:
 - (a) **Classic Bronze** at
 - 3) Exposed Trim and Fastener Finish: Match panel finish.
 - C. SECONDARY METAL FRAMING
 - 1. Miscellaneous Framing Components, General: Cold-formed metallic-coated steel sheet, ASTM C 645, Grade 50, with ASTM A 653/A 653M, G90 (Z180) hot-dip galvanized zinc coating.
 - a. Hat Channels: 0.053 inch/16 ga. (1.34 mm) minimum.
 - b. Sill Channels: 0.053 inch/16 ga. (1.34 mm) minimum.
 - D. ACCESSORIES
 - 1. Provide manufacturer's factory-formed clips, shims, flashings, sealants, and tapes for a complete installation.
 - 2. Extruded Trim: Aluminum, minimum thickness 0.060 inch (1.59 mm) for trim and 0.90 inch (2.38 mm) for structural units. Include manufacturer-provided extruded trim for the following locations and as indicated on Drawings:
 - a. Base trim.
 - b. Coping.
 - c. Panel installation perimeter.
 - d. Opening perimeters.
 - 3. Splines: Match panel material and finish.
 - 4. Sealants: Type recommended by composite wall panel system manufacturer for application, meeting requirements of Division 07 Section "Joint Sealants."
 - a. Dow Corning #795 Silicone sealant. Color to be selected by Architect.
 - 5. Flashing Tape: 4 inch (102 mm) wide self-adhering butyl flashing tape.
 - E. FABRICATION
 - 1. General: Fabricate composite wall panels and accessories at factory identical to tested units using manufacturer's standard procedures and processes necessary to meet performance requirements.
 - a. Provide components of composite wall panel system that are products of one manufacturer, including composite panels, gaskets, head and sill trim, bottom weep, base extrusion, and metal copings.
 - 2. Composite Panels: Fabricate composite wall panels with extruded aluminum stiffeners requiring no further fabrication or modification in field.
 - a. Horizontal Joints: Dry seal, drained and back ventilated.
 - b. Vertical Joints: Pre-formed returns with metal spline and aluminum extrusion receptors and extruded drain channels.
 - c. Reveals: 0.50 inch (12 mm).
 - d. Formed Panel Thickness: 1.0 inch (63.5 mm).
 - e. System Thickness: 2.0 inch, including extrusions and excluding shims.

MANUFACTURER DATA SHEETS



WIDTH	-1/32" + 1/16"
LENGTH	-0 + 1/4"
PANEL SQUARE	+ 1/8"
PANEL GAUGE	+ 0.00050"
BOW	+ 1/8"
PEEL STRENGTH (ASTM D1978)	> 22.5N=lb/in

Standard Panel Size and Color Options

Refer to the Reynobond® Stocking List at www.reynobond.com to review our finished goods stocking colors and sizes or you may contact a sales representative or customer service representative at our toll free number, 800-841-7774.

AVAILABLE WIDTHS:	39.37" (1m)	48" (1.2m)	50" (1.3m)	62" (1.6m)
AVAILABLE LENGTHS:	48" (1.2m) - 243" (6.2m)	>243" (6.2m)*		

*Additional charges and extended lead times apply.

Product Performance

Please reference our engineering properties document at www.reynobond.com for a list of the product's performance to various standards and consult AAP's technical department for additional information. Reynobond® sheets come with a 10-year bond warranty and a 30-year finish warranty for standard architectural finishes. Consult AAP LLC sales for applicable warranties for specific finish systems.

Disclaimer:

Laws and building and safety codes governing the design and use of AAP's products, and specifically aluminum composite materials, vary widely. It is the responsibility of the owner, the architect, the general contractor, the installer and the fabricator/finisher, consistent with their role, to determine the appropriate materials for a project in strict conformity to all applicable national, regional and local building codes and regulations. REYNOBOND® FR AND ALPOBOND® HAVE SUCCESSFULLY PASSED US NFPA 96, 58, 68 AND CANADA 97.91A TESTS AS A PART OF AN ASSEMBLY ENSURE THE PRODUCT IS USED IN A SYSTEM THAT COMPLIES WITH ALL APPLICABLE REGULATIONS. REYNOBOND® PER IS COMBUSTIBLE; IT COULD CATCH FIRE AND BURN. ANY LABORATORY TESTING INFORMATION PROVIDED BY AAP LLC APPLIES ONLY TO THE PARTICULAR PRODUCT OR ASSEMBLY TESTED AND DOES NOT NECESSARILY REPRESENT HOW PRODUCTS WILL ACTUALLY PERFORM IN PLACE. REPORTS AND TEST DATA CORRESPONDING TO A PARTICULAR TESTED PRODUCT SAMPLE OR ASSEMBLY ARE NOT A GUARANTEE THAT THE SAME PRODUCT OR ASSEMBLY WOULD ALWAYS ACHIEVE THE SAME TEST RESULT.



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ARCONIC ARCHITECTURAL PRODUCTS LLC
30 Industrial Boulevard
Eastman, GA 30223-4209
Tel: 800-841-7774
www.reynobond.com
LC 99903-0009



PROPOSED COLORS
(LIST OF SAMPLES REQUESTED FOR FINAL CONFIRMATION;
COLORS MAY VARY BY MANUFACTURER)



*Color is a 3-coat solid finish and may be subject to a higher price. Please consult your Regional Sales Manager for additional pricing.

REGARDING SAMPLES
THE SAMPLES PROVIDED FOR BAR REVIEW ARE REPRESENTATIVE OF THE BASIS OF DESIGN PRODUCT. THE GENERAL CONTRACTOR (TBD) MAY ELECT TO PROCURE A DIFFERENT, BUT COMPARABLE, PRODUCT THAT MEETS THE DETAILS OF THE ARCHITECT'S SPECIFICATIONS (SEE LEFT).

BRK-1: BRICK VENEER

ARCHITECT'S SPECIFICATION

- PART 2 PRODUCTS
- 2.01 CONCRETE MASONRY UNITS
- A. Concrete Block: Refer to the structural drawings and Section 04 20 00 specifications for materials.
- 2.02 BRICK UNITS
- A. Manufacturers:
 - 1. **Belden Brick Company, Canton, OH.**
 - a. **Modular Seal Brown Veneer A**
 - b. Made at Sugarcreek Plant 6
 - 2. **Rectangular Facing Brick: ASTM C 216, Type FBX, Grade SW.**
 - a. **Nominal Size: 8 inches by 4 inches by 2.25 inches.**
 - b. Special Shapes: Provide solid units where orientation would expose frog holes.
 - 3. Substitutions: Not permitted.
 - B. Mortar Materials
 - A. Masonry Cement: ASTM C91/C91M _____.
 - 1. Type N: For use above grade masonry veneer.
 - 2. Type M: For below grade masonry veneer.
 - 3. Colored Mortar: Premixed cement as required to match Architect's color sample.
 - a. Color: Submit manufacturer's color selection kit for final selection by Architect.
 - B. Hydrated Lime: ASTM C207, Type S.
 - C. Mortar Aggregate: ASTM C144.
 - D. Grout Aggregate: ASTM C404.
 - E. Water: Clean and potable.
 - F. Accelerating Admixture: Nonchloride type for use in cold weather.
- 2.04 REINFORCEMENT AND ANCHORAGE
- A. Joint Reinforcement: Truss type; ASTM A1064/A1064M steel wire, hot dip galvanized after fabrication to ASTM A153/A153M, Class B; 0.1483 inch side rods with 0.1483 inch cross rods; width as required to provide not more than 1 inch and not less than 1/2 inch of mortar coverage on each exposure.
 - 1. Manufacturers:
 - a. Hohmann & Barnard, Inc. (including Dur-O-Wal brand); _____. www.h-b.com/#file.
 - b. WIRE-BOND; 270 x 12" ladder and 270 x 8" ladder. www.wirebond.com/#file.
 - c. Substitutions: See Section 01 60 00 - Product Requirements. Manufacturers limited to Hohmann & Barnard, Wire-Bond and Dur-O-Wal.
 - B. Masonry Veneer Anchors: 2-piece surface mounted anchors that permit differential movement between masonry veneer and structural backup, hot dip galvanized to ASTM A 153/A 153M, Class B.
 - 1. Anchor plates and ties to be provided by under this section.
 - a. Size of tie to be calculated by mason under this section.
 - b. Anchor tie to be installed by mason during installation of brick.
 - 2. Manufacturer:
 - a. Hohmann & Barnard, Inc.; _____. www.h-b.com/#file.
 - 1) HB-52 13-2.5, 523 Brass Expansion Bolt, Hot-Dip Galvanized, 2 1/2 inch Backplate, 14 Gauge, 3/16 inch by 5 inch Leg Hook Hot-Dip Galvanized.
 - 2) Spacing: 16 inches by 16 inches.
 - B. Lintels:
 - A. Refer to also to the Structural Drawings.
 - B. Loose Lintels and Fixed Lintels to be hot-dip galvanized. Exposed portions of lintels to be field painted. Refer to Exterior Paint Schedule for paint types. Refer to the Drawings for Paint colors.
 - B. OTHER PRODUCTS
 - A. Stainless Steel/Polymer Fabric Flashing: ASTM A240/A240M; 2 mil type 304 stainless steel sheet bonded on one side to one sheet of polymer fabric.
 - 1. Manufacturers:
 - a. Hohmann & Barnard, Inc. Mighty-Flash SA, Self-Adhering Stainless Steel Composite Flashing, Roll Width 16 inches.
 - B. Factory-Fabricated Flashing Corners and Ends: Stainless steel.
 - 1. Manufacturers:
 - a. Hohmann & Barnard, Inc.; _____. www.h-b.com/#file.
 - 1) Stainless Steel Corners & End Dams; 26 Gauge/18 mil. Type 304.
 - 2. Termination Bars: Stainless steel, compatible with membrane and adhesives.
 - a. Manufacturers:
 - 1) Hohmann & Barnard, Inc; T1 Termination Bar. www.h-b.com/#file.
 - (a) 1/8 inch by 1 inch wide.
 - (b) Width: 2 1/2 inch.
 - 3. Drip Edge: Stainless steel; compatible with membrane and adhesives.
 - a. Manufacturers:
 - 1) Hohmann & Barnard, Inc; FTS Standard Drip Plate with Foam-Tite Seal. : www.h-b.com/#file.
 - (a) Provide Inside and Outside Corner Pieces.
 - (b) Width: 2 1/2 inch.
 - 4. Lap Sealants and Tapes: As recommended by flashing manufacturer; compatible with membrane and adhesives.
 - a. Product to be compatible with air and moisture barrier at substrate coating as specified elsewhere.
 - 5. Metal Copings: Refer to Section 07620 - Sheet Metal Flashing and Trim.
 - C. ACCESSORIES
 - 1. Joint Filler: Closed cell polyvinyl chloride; oversized 50 percent to joint width; self expanding; in maximum lengths available.
 - a. Manufacturers:
 - 1) Hohmann & Barnard, Inc; NS Closed Cell Neoprene Sponge: www.h-b.com/#file.
 - (a) For use at vertical brick to brick control joints.
 - (b) For use at vertical brick to fixed structure joints.
 - (c) For use at top horizontal brick course to underside of fixed steel lintels.
 - (d) For use at top horizontal brick course joint to underside of fixed structural elements.
 - 2. Cavity Drainage: Provide continuous mortar collection mesh bands.
 - a. Manufacturer: Hohmann & Barnard, Inc.
 - 1) Product: Mortar Trap, 2 inch width.
 - b. Install at all weep hole lines, bottoms of cavities, and over
 - 3. Weeps: Molded PVC grilles, insect resistant. Hohmann & Barnar
 - a. Manufacturer: Hohmann & Barnard, Inc.
 - 1) Product: QV Quadro Vent.
 - 2) Color(s): As selected by Architect from manufacturer's full range.
 - 4. Cleaning Solution: Non-acidic, not harmful to masonry work or adjacent materials. Use recommended by manufacturer of masonry units.
 - a. Vana Trol is an approved product.
 - D. MORTAR MIXES
 - 1. Mortar for Unit Masonry: Cement-lime Mortars per ASTM C 270 or BIA M1-88, Proportion Specification.
 - E. METAL COPINGS AND METAL COUNTERFLASHING
 - 1. Sheetmetal carrier: For use at mid-span through wall flashings where no other support for the through wall flashing is provided by the assembly. 24 gauge, galvanized sheetmetal. Extend up and sheathing 4 inches and anchor at 16 inch spacing. Angle across cavity at 1:1 slope. Extend into masonry minimum 2 inches. Provide in locations where cavity width is greater than 2 inches.
 - 2. Refer to Section 07 62 00 - Sheet Metal Flashing and Trim.

MANUFACTURER DATA SHEETS



TEST REPORT
100 Clemson Research Blvd.
Anderson, SC 29625
(864) 656-1084
Fax: (864) 656-1066
www.tricksteel.org



Results of Tests on brick Conducted in accordance with CEN/BS EN 23 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile									
08/25/2023									
Name:	The Belden Brick Company P. O. Box 430 Sugarcreek, OH 44681	Plant:	Sugarcreek	Sampled Date:	8/8/2023	Received Date:	8/8/2023	Fired Date:	8/8/2023
Phone:	330-456-0031	Fax:	330-456-2694	Product Code:		Lot Number:			
Report Number:	11935-29718	Description: PLT 6 FIRECLAY & SHALE (W/ADDDITIVE (FACE)							
Absorption	1	2	3	4	5	Average	Test Date		
24 Hour Cold Water (%)	4.7	4.7	5.2	5.0	5.1	4.9	8/10/2023		
5 Hour Boiling Water (%)	6.4	6.3	6.8	6.5	6.5	6.5			
Saturation Coefficient	0.74	0.74	0.77	0.76	0.78	0.76			
Compressive Strength	1	2	3	4	5	Average	Test Date		
psi	14,960	14,210	14,700	15,010	14,010	14,580	8/10/2023		
IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date		
grains/30 in.²	10.6	12.3	10.0	10.9	11.0	10.9	8/21/2023		
Efflorescence	11	12	13	14	15	Test Date			
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	8/21/2023			

The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:
ASTM C216 - 22 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW

PROPOSED COLORS
(LIST OF SAMPLES REQUESTED; FINAL SELECTION WILL DEPEND ON CLOSEST MATCH TO SELECTED WHITE ACM; COLORS MAY VARY BY MANUFACTURER)



REGARDING SAMPLES
THE SAMPLES PROVIDED FOR BAR REVIEW ARE REPRESENTATIVE OF THE BASIS OF DESIGN PRODUCT. THE GENERAL CONTRACTOR (TBD) MAY ELECT TO PROCURE A DIFFERENT, BUT COMPARABLE, PRODUCT THAT MEETS THE DETAILS OF THE ARCHITECT'S SPECIFICATIONS (SEE LEFT).

GNT-1: GRANITE VENEER (TO MATCH EXISTING)

REFERENCE IMAGES

(THE IMAGES BELOW ARE OF THE EXISTING MATERIAL ON SITE)



NOTE: SUBCONTRACTOR WILL USE GRANITE REMOVED DURING DEMO FOR NEW CONSTRUCTION

REGARDING SAMPLES

BECAUSE EXISTING MATERIAL IS BEING REPURPOSED FOR THE PROPOSED CONSTRUCTION, PROCURING SAMPLES IS IMPRACTICAL. THE PHOTO ABOVE WAS TAKEN OF THE EXISTING MATERIAL WHICH IS TO BE REUSED ON SITE. IF ANY NEW MATERIAL IS NEEDED TO COMPLETE THE PROPOSED CONSTRUCTION, SAMPLES WILL BE SUBMITTED TO THE ARCHITECT (AND SUBSEQUENTLY THE BAR) FOR APPROVAL.

CONCRETE SIDEWALK

REFERENCE IMAGES

(THE IMAGES BELOW ARE OF THE EXISTING MATERIAL ON SITE)

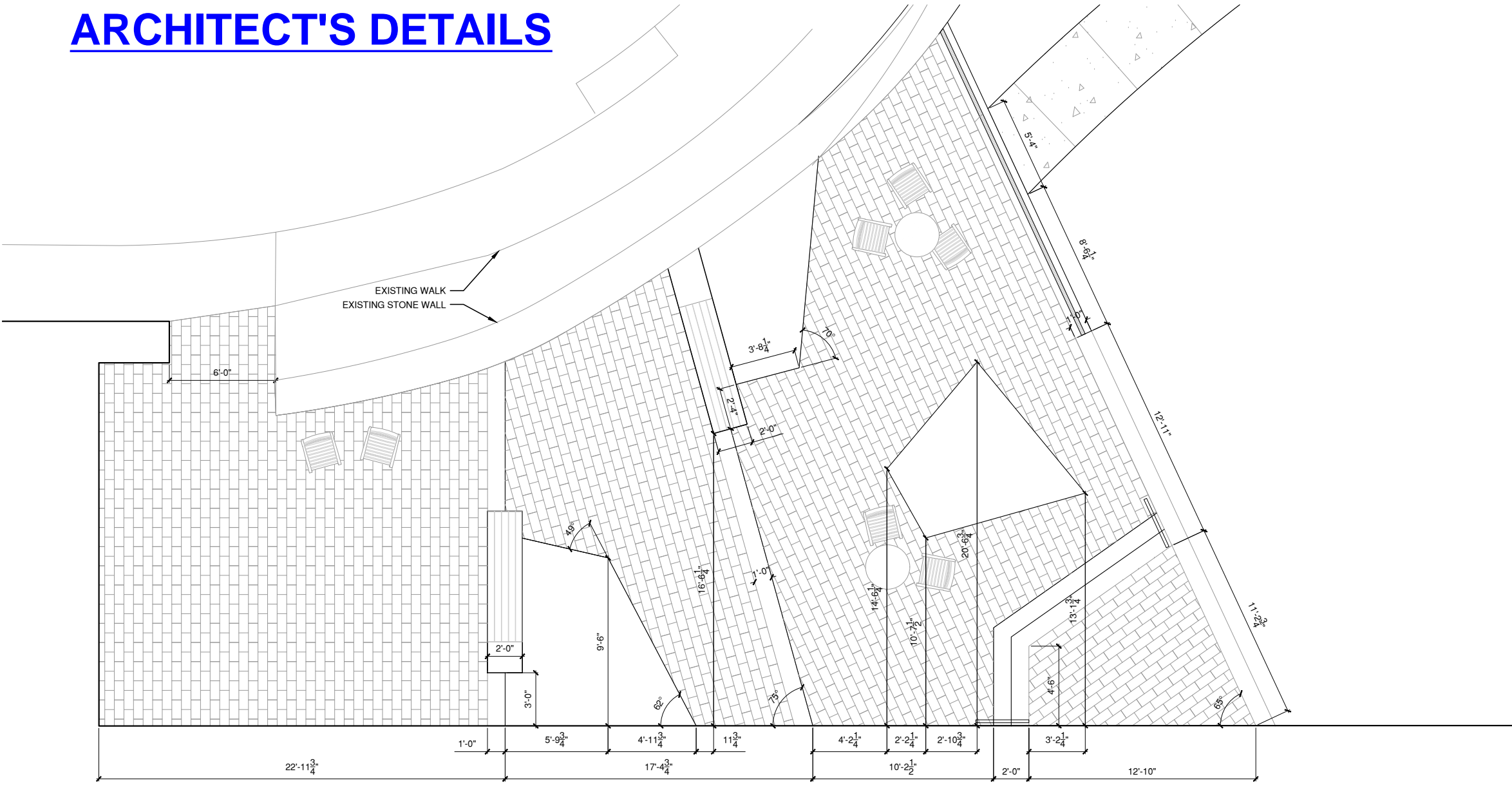


REGARDING SAMPLES

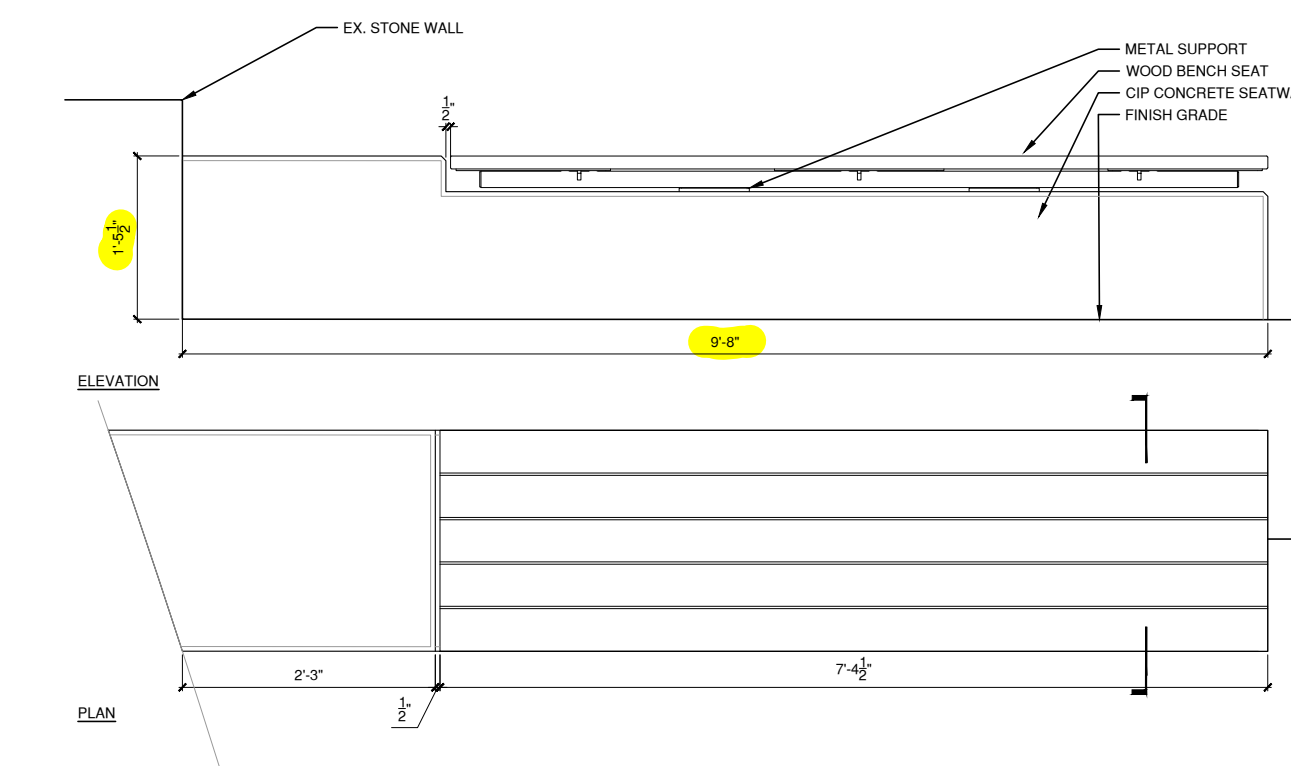
BECAUSE THE PROPOSED CONSTRUCTION IS REQUIRED TO MATCH EXISTING AND ADJACENT MATERIAL, PROCURING SAMPLES IS IMPRACTICAL. AS NOTED IN THE ARCHITECT'S SPECIFICATIONS, SAMPLES ARE REQUIRED PRIOR TO FINAL CONSTRUCTION; THESE SAMPLES CAN BE SUBMITTED TO THE BAR, IF NEEDED, ONCE THEY RECEIVE ARCHITECT APPROVAL.

INTEGRATED PLANTER/BENCH

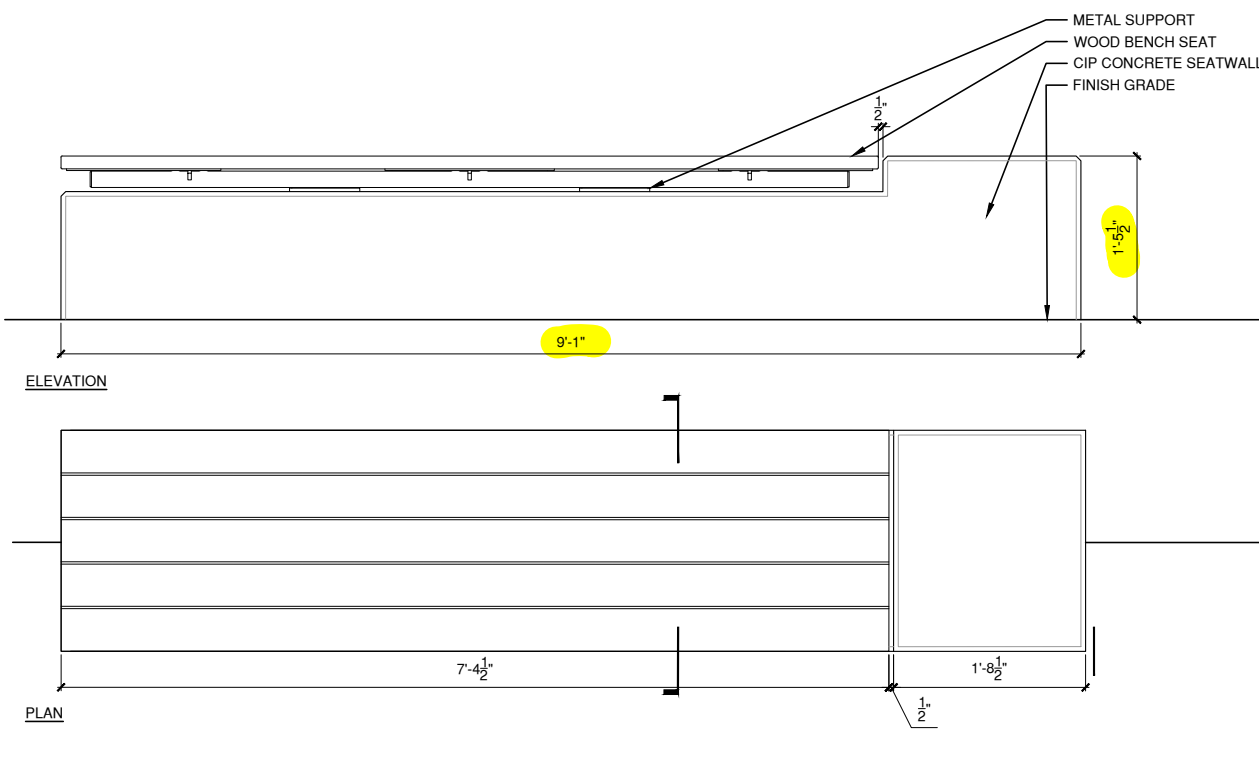
ARCHITECT'S DETAILS



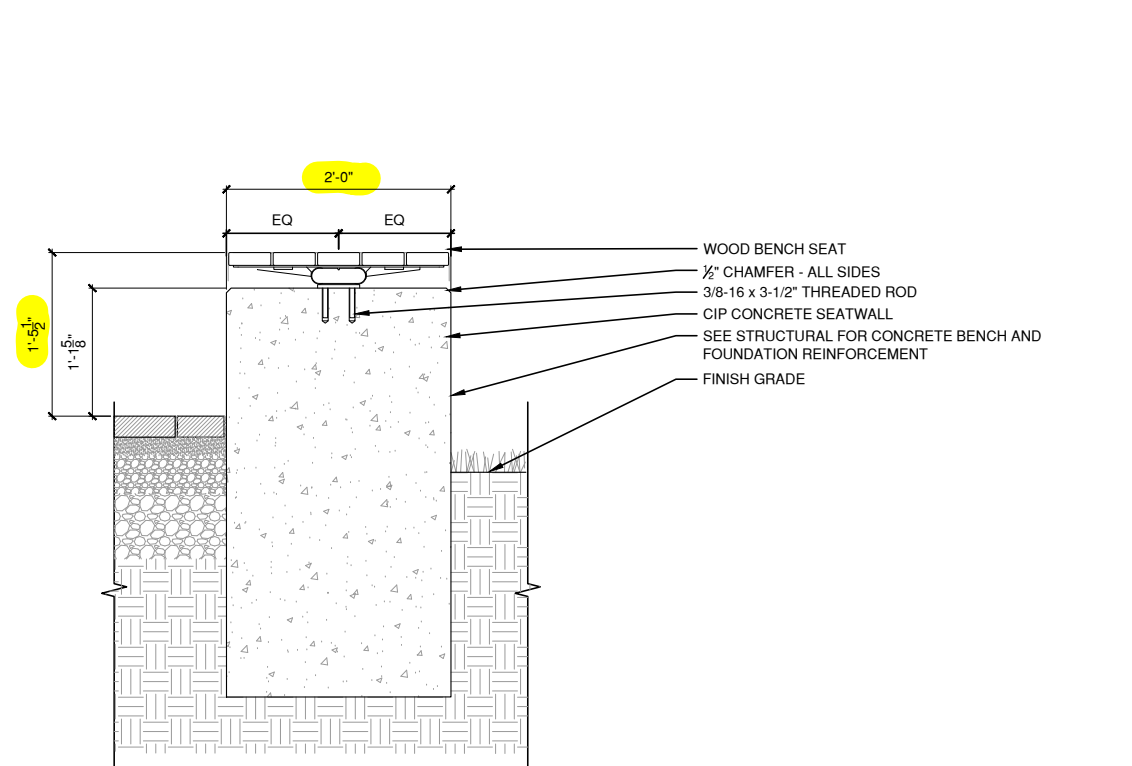
4 COURTYARD LAYOUT
Scale: 1/4" = 1'-0"



1 BENCH A
Scale: 1" = 1'-0"



2 BENCH B
Scale: 1" = 1'-0"



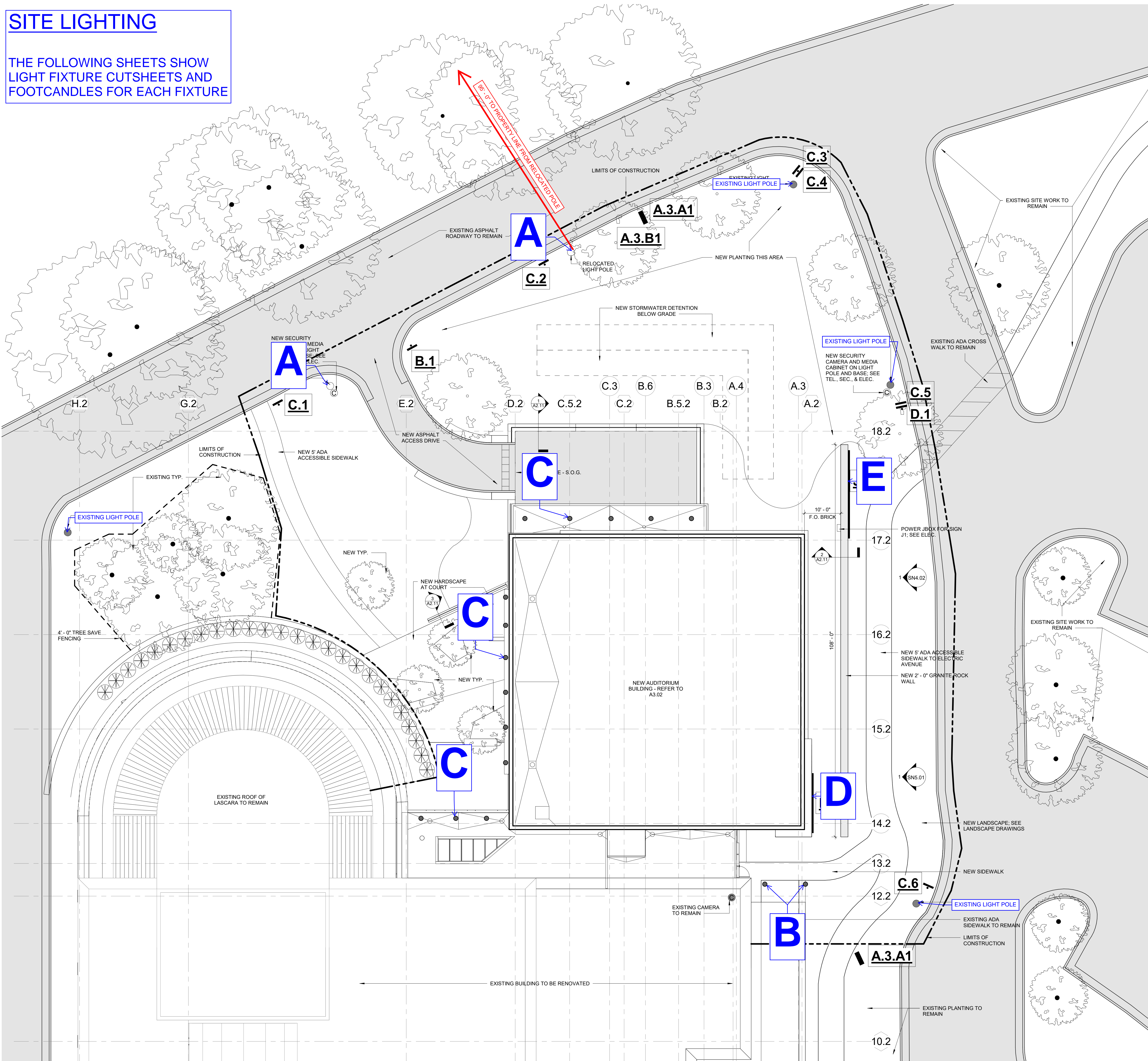
3 BENCH SECTION
Scale: 1" = 1'-0"

REFERENCE IMAGES

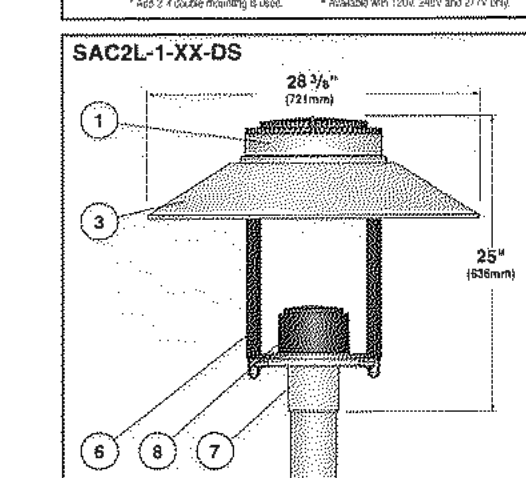
(THE IMAGES BELOW ARE SIMILAR IN COLOR/STYLE/SPECIFICATION)



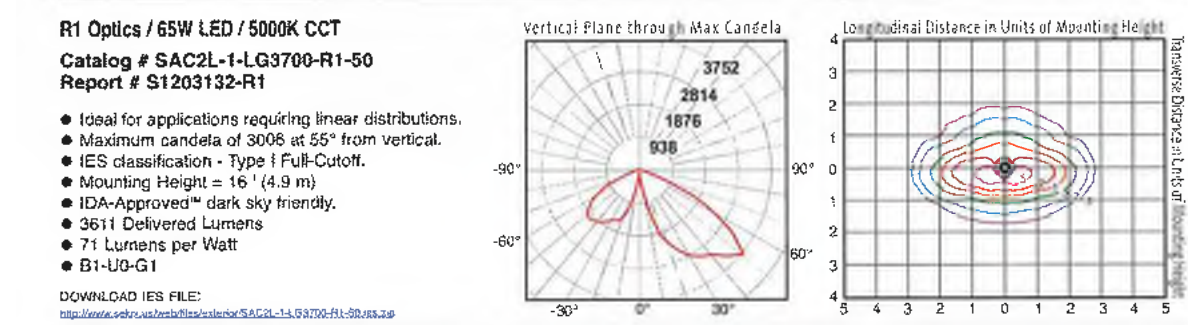
THE FOLLOWING SHEETS SHOW
LIGHT FIXTURE CUTSHEETS AND
FOOTCANDLES FOR EACH FIXTURE



Saturn 2 Cutoff LED **selux**

[illegible][illegible]

*2 EXISTING TO BE RELOCATED; NO
ADDITIONAL ROADWAY LIGHTING

Saturn 2 Cutoff LED Photometry **selux**

R2 Optics / 65W LED / 5000K CCT

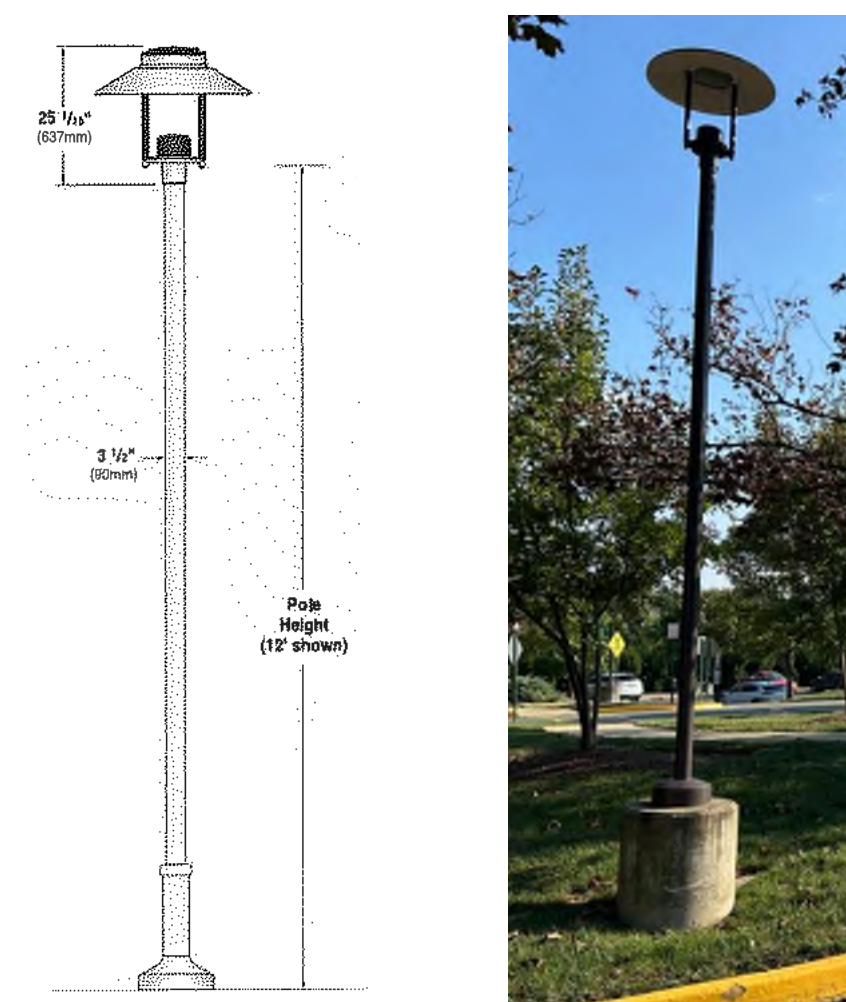
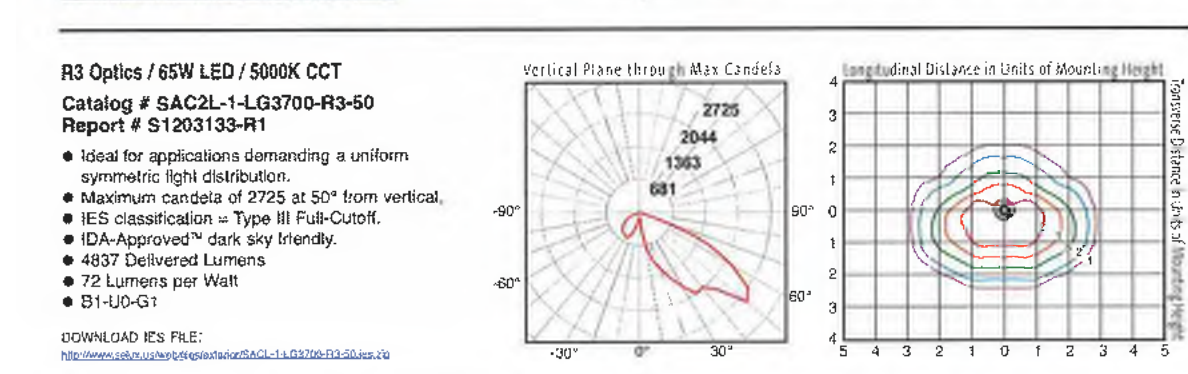
Catalog # SAC2L-1-GJ3700-R2-60

Report # S120213-R1

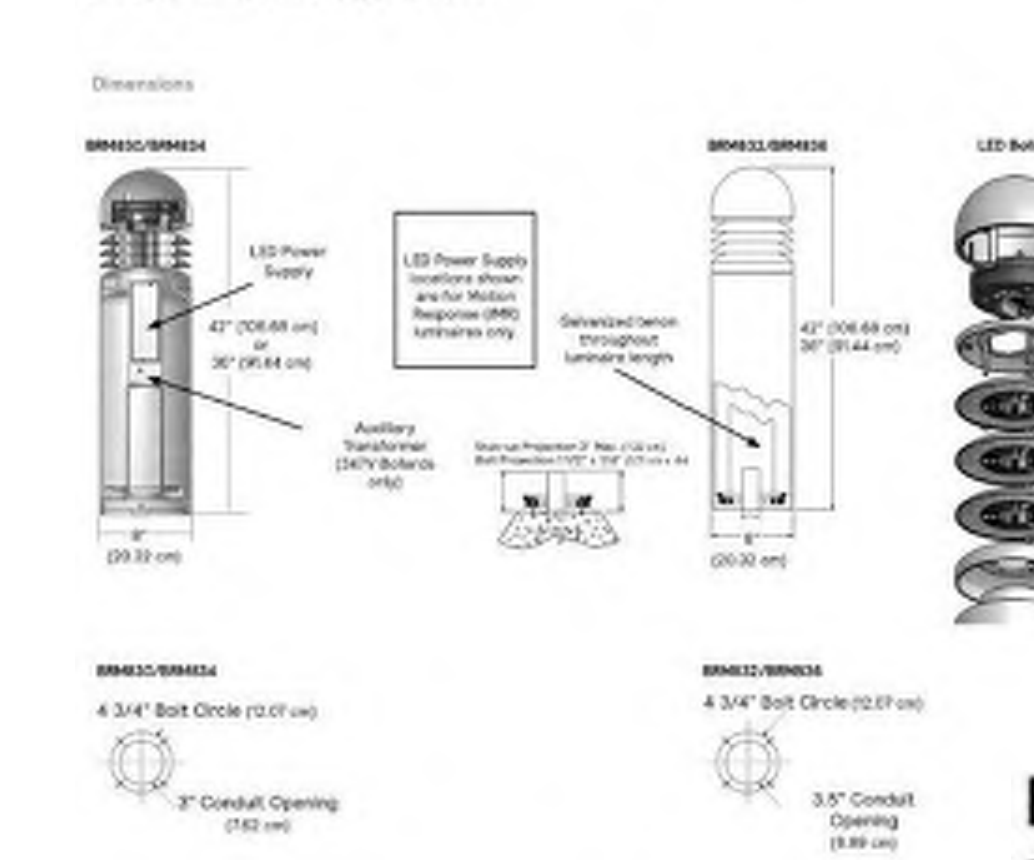
- Ideal for applications demanding a uniform symmetric light distribution.
- Maximum candela of 2061 at 50° from vertical.
- IES classification = Type A Full-Cut.
- DDA-Approved™ dark sky friendly.
- 4154 Delivered Lumens
- 16 Lumens per Watt
- E1-DI-O-01

DOWNLOAD OUR FREE:

[Lighting Design Software - LumenCalc](#), [LED Lighting Calculator](#), [LED Lighting Guide](#)



BRM830 series LED bollard
Dome or bevel top louver



LIGHT BOLLARD TO MATCH
EXISTING BOLLARDS

BRM830 series LED bollard
Dome or bevel top louver

Ordering Code	LED Die	LED Current (mA)	Color Temp.	Average Efficacy (lm/W)	Lumen Output	BVD Rating	RoHS
598-003-541-10-000-02 (Approximate)	54	70	4000	41.8	7000	30-35-40	
598-003-541-50-000-02 (Approximate)	50	50	4000	34.0	2000	30-35-40	

NOTE: Some data may be based on tests of similar (but not identical) machines. Contact factory for configurations not shown.

Predicted Lumen Depreciation Data

Ambient Temperature °C	Supply Current	LED Current	Calculated L ₉₀ Hours	L ₉₀ per TM-21	Lumen Maintenance % at 60,000 hrs
25°C	1050mA	716mA	>100,000 hours	>60,000 hours	88%

6" INCH

Open Reflector

Solar Lighting

All dimensions are inches (centimeters) unless otherwise noted.

Assemble 6" (152.4 mm)
Colling center: 6" (152.4 mm)
Overlap type: 7/16" (19.1 mm) flat flanged
6.000 (152.4 mm) flangeless

* HIGH AMBIENT TEMPERATURE RESIST - 150°F*

Isola Downlight - Flanged

Isola Downlight - Flangeless (U)

WATTAGE CONSUMPTION MATRIX													CCT		
LUMENS	BEAM ANGLE												CRI	CCT	Multiplier
	20	25	30	35	40	45	50	55	60	65	70	75			
8000	91.5	95.5	95.5	95.5	95.5	108.7	108.7	108.7	108.7	108.7	108.7	108.7	80	3000K	0.97
7000	81	81	81	81	81	91.6	91.6	91.6	91.6	91.6	91.6	91.6		3000K	1.00
6000	82.3	82.3	82.3	82.3	82.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5		3000K	1.00
5000	71.6	71.6	71.6	71.6	71.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3		3000K	1.00
4000	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	90	2700K	0.97
3000	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3		2700K	0.97
2000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7		2700K	0.85
1000	34	34	34	34	34	34	34	34	34	34	34	34		2700K	0.85
800	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	95	3000K	0.97
700	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7		3000K	0.97
600	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2		3000K	1.00
500	34	34	34	34	34	34	34	34	34	34	34	34		3000K	1.00
400	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	99	3000K	0.85
300	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3		3000K	0.85
200	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3		3000K	0.85
100	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3		3000K	0.85

ELMER ALUMINUM COMPATIBILITY - Initial Lumens

LED				Initial Lumens	
Product	Lumens	Watt	EL	ELM	ELM
KO-6	2066-600	24-30	90	N/A	

Order as separate catalog number. Visit www.gatham.com for complete listing of light controls.

Wattage stations				Light Control Accessories:			
Wattage stations	Model number	Wattage stations	Model number	Light Control Accessories:	Light Control Accessories:	Light Control Accessories:	Light Control Accessories:
Wattage stations	Wattage stations	Wattage stations	Wattage stations	Light Control Accessories:	Light Control Accessories:	Light Control Accessories:	Light Control Accessories:
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Wattage stations	Wattage stations	Wattage stations	Wattage stations	Light Control Accessories:	Light Control Accessories:	Light Control Accessories	

SIGN CABINET DESIGN
FRONT-LIT CHANNEL LETTERS OF SHEET ALUMINUM WITH OPAQUE WHITE ACRYLIC LENS. CABINET COLOR: WHITE.
FINAL CABINET DETAILS, MOUNTING, AND LIGHTING CIRCUITS TO BE PROVIDED BY SIGNAGE VENDOR.

LIGHT TRANSMITTANCE
CHANNEL LETTERS TO HAVE 3.0 W/SF LED UNITS EVENLY DISTRIBUTED.
TOTAL LUMENS = 22,950 (3.0 W/SF = 270 LUMENS/SF X 89SF)

REGARDING SAMPLES
THE SAMPLES PROVIDED FOR BAR REVIEW ARE REPRESENTATIVE OF THE BASIS OF DESIGN PRODUCT. THE SIGNAGE VENDOR WILL PROVIDE FINAL COLOR SAMPLES FOR REVIEW AND APPROVAL BY THE DESIGN TEAM.

051.955" (Optimized)

Finish	Black	Origin	Lens
Rated Input	IP20 - DRY	Watts/Ft	Asymmetric
Wire Input/Output	9/16" Flat TB-Grid		3500K
Connector/Wire In	Side Feed		3.0 W/ft
Connector/Wire Out	Connector 24", Connector 6"		
Wire Color	Black		
Wire Type	Class 2		

PHOTOMETRY

Diagram illustrating the beam spread and distribution of light output. The beam diameter is 10.0 ft at 100 ft. The distribution is 50% in the center and 25% on each side.

TOTAL SIGN LUMENS

$$3.0 \text{ W/FT} = 270 \text{ LUMENS/FT} \times 21' - 0" = 5,670 \text{ LUMENS}$$

REGARDING SAMPLES

THE SAMPLES PROVIDED FOR BAR REVIEW ARE REPRESENTATIVE OF THE BASIS OF DESIGN PRODUCT. THE SIGNAGE VENDOR WILL PROVIDE FINAL COLOR SAMPLES FOR REVIEW AND APPROVAL BY THE DESIGN TEAM.

SITE PLAN
NAVY FEDERAL CREDIT UNION
HQ1 AUDITORIUM ADDITION

Town of Vienna, Virginia

FIRE MARSHAL NOTES

AVAILABLE FIRE FLOW 750 GPM (GAL./MIN.)
SOURCE OF FIRE FLOW INFO. TOWN OF VIENNA
TYPE OF CONSTRUCTION - USBC TYPE 1-A MODIFIED TO TYPE IIB
USE GROUP CLASSIFICATION - USBC A-ASSEMBLY
BUILDING HEIGHT EX 6-STORY (FT.)
BUILDING TO BE FULLY SPRINKLERED YES ☒ NO ☐ (EX BLDG)

IF YES, CHECK APPROPRIATE STANDARD: NFPA 13 ☒ : NFPA 13D ☐ : NFPA 13R ☐
SEE PFM CHAPTER 9, PART 2 FOR FULL INFORMATION REQUIRED. FIRE FLOW REQUIREMENTS TO BE DETERMINED BY THE FIRE PREVENTION DIVISION.

OWNER INFORMATION:

TAX MAP #: 0393 ((2)) 04
SITE ADDRESS 900 FOLLIN LANE SE
VIENNA, VA 22180

OWNER: NAVY FEDERAL CREDIT UNION
DB 05767 PG 1886

SHEET INDEX

Sheet #	Sheet Title
C0.00	CIVIL COVER SHEET
C0.01	ABBREVIATIONS, NOTES AND LEGEND
C1.01	DEMOLITION PLAN
C1.02	SITE PLAN
C1.03	GRADING, DRAINAGE AND UTILITY PLAN
C1.04	FIRE LANE PLAN AND DETAILS
C2.01	EROSION AND SEDIMENT CONTROL PH I
C2.02	EROSION AND SEDIMENT CONTROL PH II
C2.03	EROSION AND SEDIMENT CONTROL NARRATIVE
C2.04	EROSION AND SEDIMENT CONTROL DETAILS
C2.05	EROSION AND SEDIMENT CONTROL DETAILS
C3.01	STORM SEWER PROFILES
C4.01	CONSTRUCTION DETAILS
C.SW2.01	SWM DRAINAGE MAP (PRE-DEVELOPMENT)
C.SW2.02	SWM DRAINAGE MAP (POST-DEVELOPMENT)
C.SW3.01	SWM NARRATIVE
C.SW3.02	VRM SPREADSHEET
C.SW3.03	SWM COMPUTATIONS
C.SW4.01	SWM DETAILS
C.SW4.02	SWM DETAILS
C.SW4.03	SWM DETAILS
C.SW4.04	SWM DETAILS
C.SW4.05	SWM DETAILS
L1.00	LANDSCAPE NOTES
L1.01	PLANTING PLAN
L2.01	PLANTING SCHEDULE & DETAILS
L3.01	HARDSCAPE PLAN
L4.01	HARDSCAPE DETAILS
L4.02	HARDSCAPE DETAILS

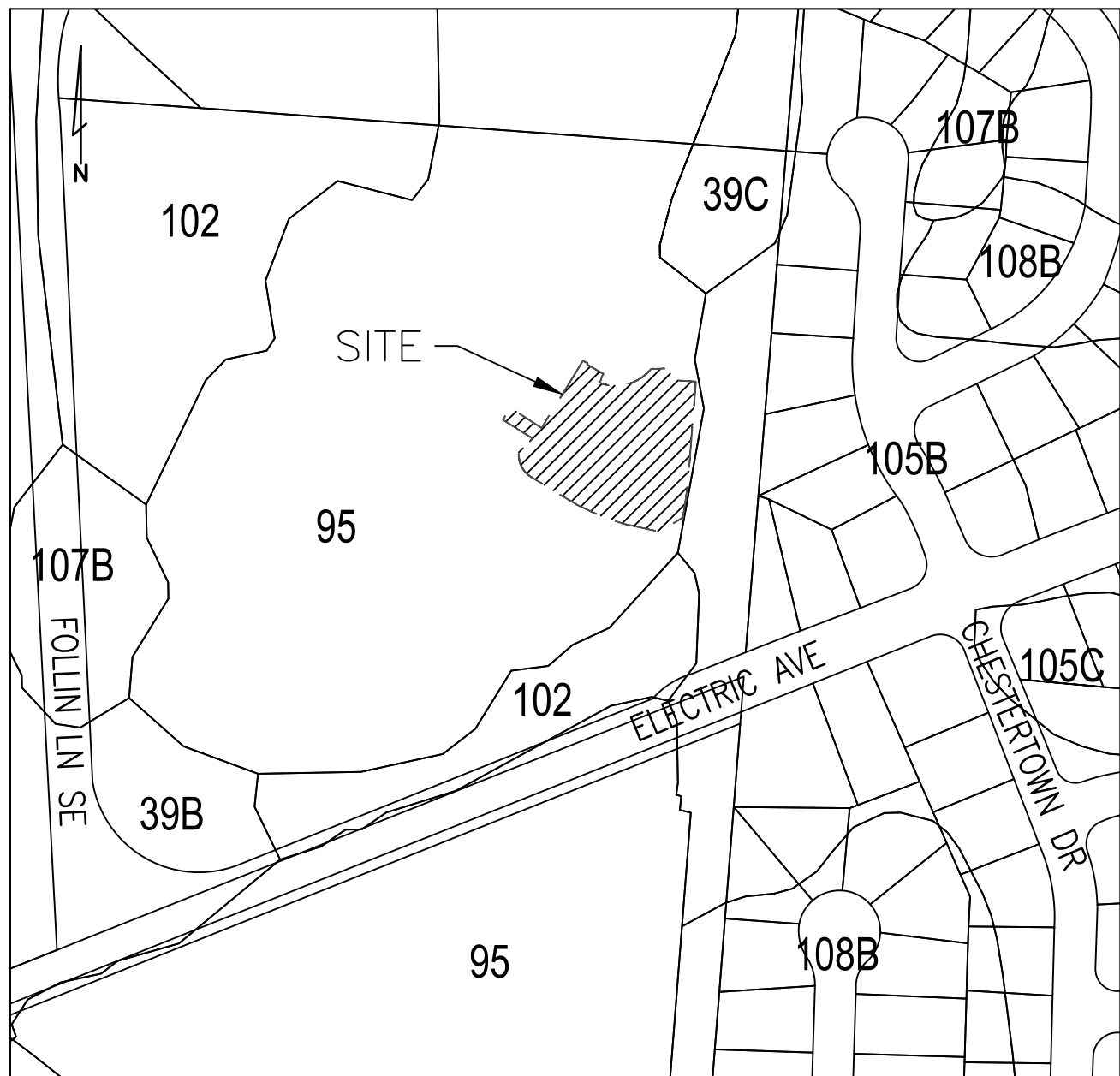
VICINITY MAP

SCALE 1"=300'



SOILS MAP

SCALE 1"=200'



SOIL ID NUMBERS	SOIL SERIES NAME	FOUNDATION SUPPORT	SOIL DRAINAGE	EROSION POTENTIAL	PROBLEM CLASS
95	URBAN LAND	N/A	N/A	N/A	IVB
105B	WHEATON-GLENELG COMPLEX	GOOD	GOOD	HIGH	IVB

IS THE SITE LOCATED ON NATURALLY OCCURRING ASBESTOS (NOA) SOIL?
YES ☐ NO ☒

(SOIL INFORMATION PER FAIRFAX COUNTY MAPPING)

PARKING TABULATION:

PARKING REQUIRED: (4191 EMPLOYEES)

TYPE	RATE	TOTAL
EMPLOYEE:	1 SP/2 EMPLOYEES	2096 SPACES
VISITOR:	1 VISITOR SP/10 SP	419 SPACES
COMPANY VEHICLE:	1 SP/COMPANY VEHICLE	30 SPACES

TOTAL PARKING: 2,545 SPACES
TOTAL ACCESSIBLE PARKING: 45 SPACES

PROPOSED PARKING SUMMARY:

EXISTING PARKING	PROP. PARKING	EX. ACCESSIBLE	PROP. ACCESSIBLE
3480 SPACES	3478 SPACES	79 SPACES	77 SPACES

ZONING TABULATION:

SITE AREA: 665,539 SF OR 15.27 AC
ZONING: CORPORATE PARK DISTRICT (CP)
EXISTING USE: PROFESSIONAL OFFICE

ZONING REQUIREMENTS	REQUIRED	PROPOSED
MAXIMUM BUILDING HEIGHT:	45 FT	2-STORY
MINIMUM YARD REQUIREMENTS :		
FRONT-	50 FT	50 FT
SIDE-	50 FT	153 FT
REAR-	50 FT	50 FT
MAXIMUM OPEN SPACE:	30% MIN	33%

ASD | SKY

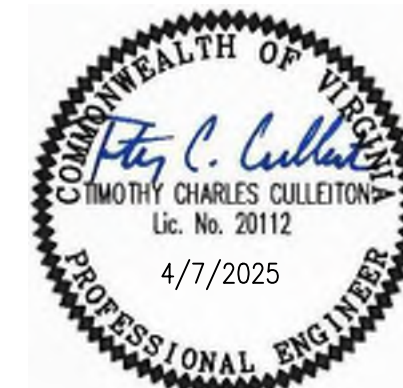
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D	03/28/25	FOR PERMIT
C	02/21/25	90% CD
B	12/13/24	100% DD
A	11/8/24	50% DD
NO:	DATE:	REMARKS:

REVISIONS:

CIVIL COVER SHEET

PROJECT NO:	ISSUE DATE:
50182732	04/07/2025
DRAWN BY:	CHECKED BY:
MSC	TCC
SHEET NUMBER:	

C0.00

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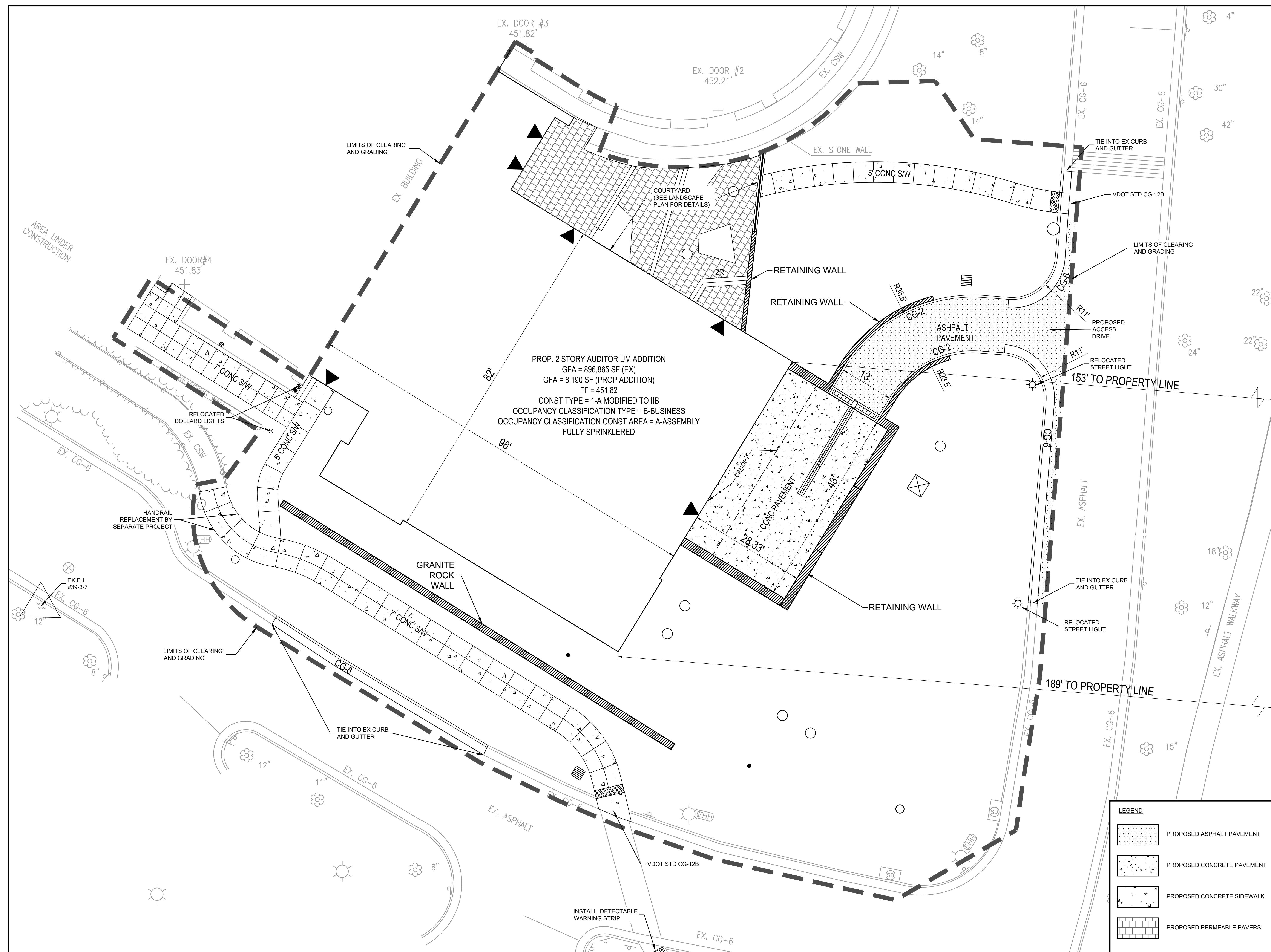
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D	03/28/25	FOR PERMIT
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REVISED:		

DRAWING TITLE:

SITE PLAN

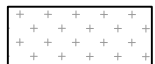

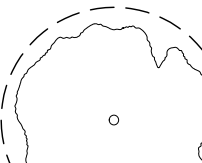
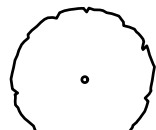
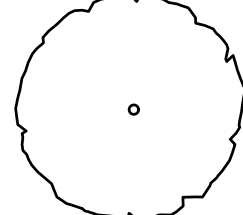

PROJECT NO: 50182732	ISSUE DATE: 04/07/2025
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SHEET NUMBER:	

C1.02



A scale bar labeled "SCALE IN FEET" is shown. It has markings at 10, 0, and 10, indicating a total length of 20 feet.

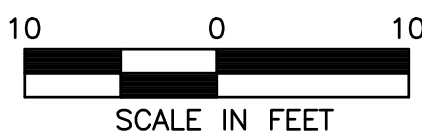
PLANTING LEGEND

	LAWN
	GROUNDCOVER / PERENNIALS / GRASSES
	EXISTING TREE (TO REMAIN)
	UNDERSTORY TREE
	CANOPY TREE
	SHRUB

--- 6" IRRIGATION SLEEVE

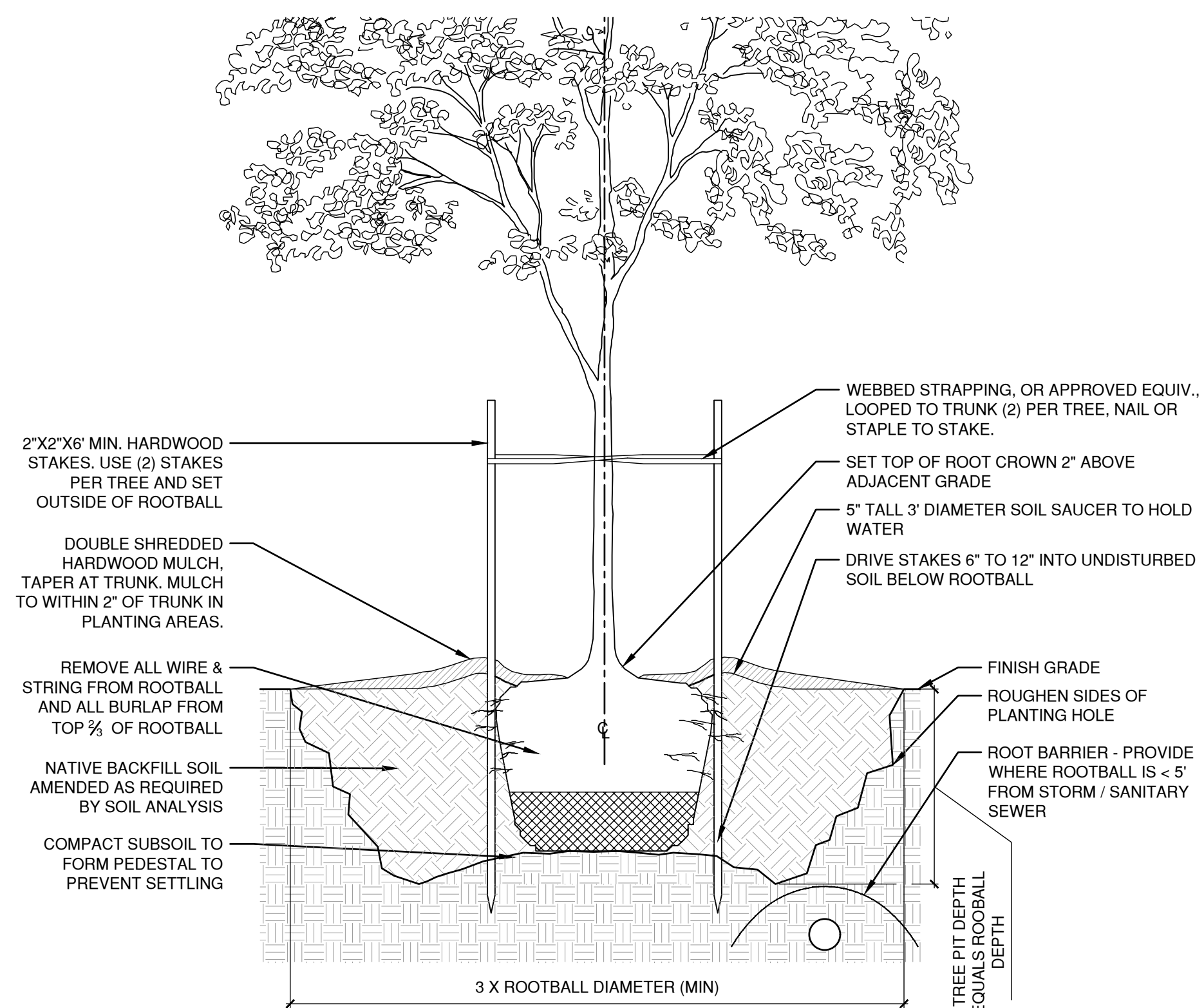
--- 4" IRRIGATION SLEEVE

--- 1" CONDUIT SLEEVE

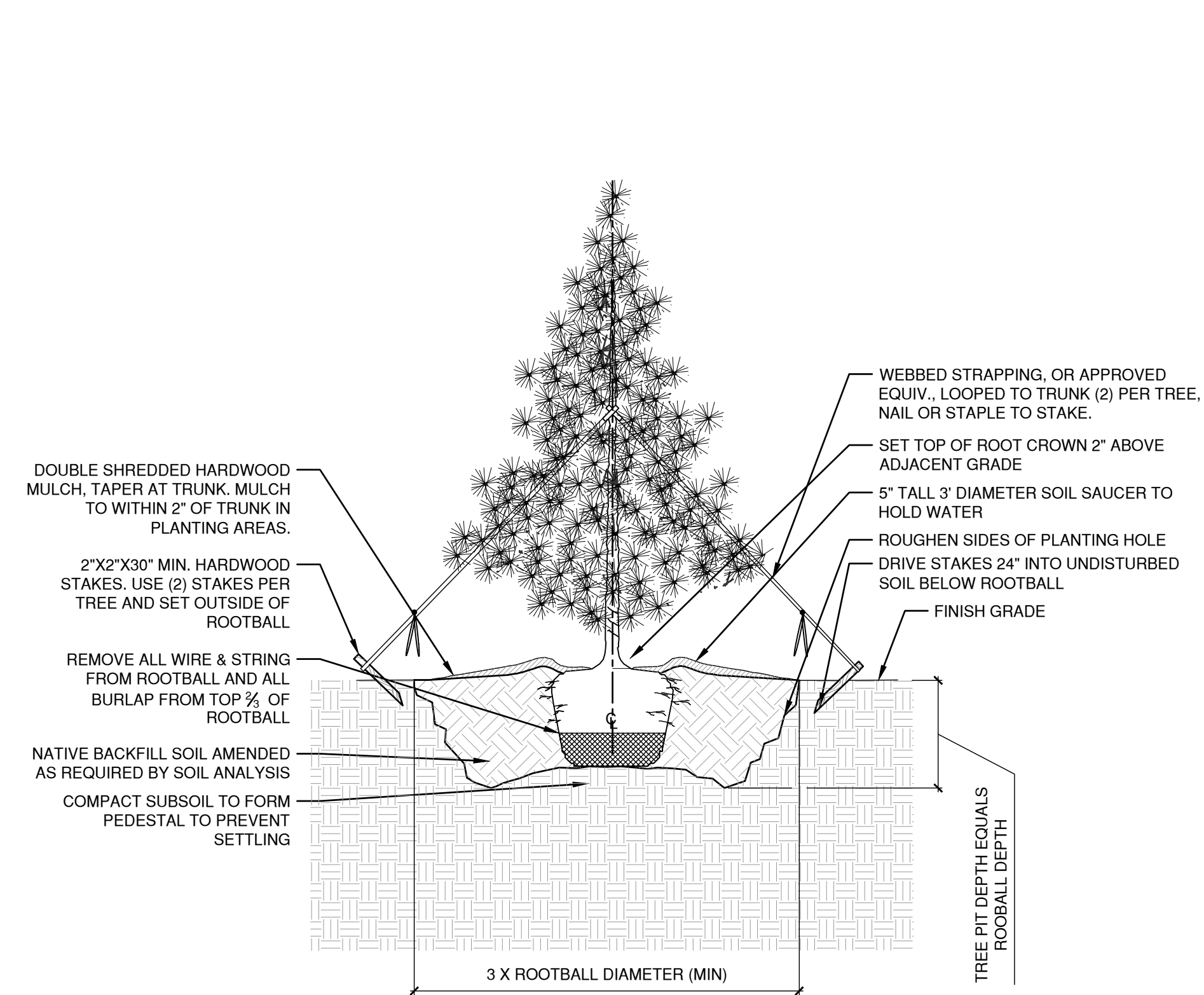
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1.01

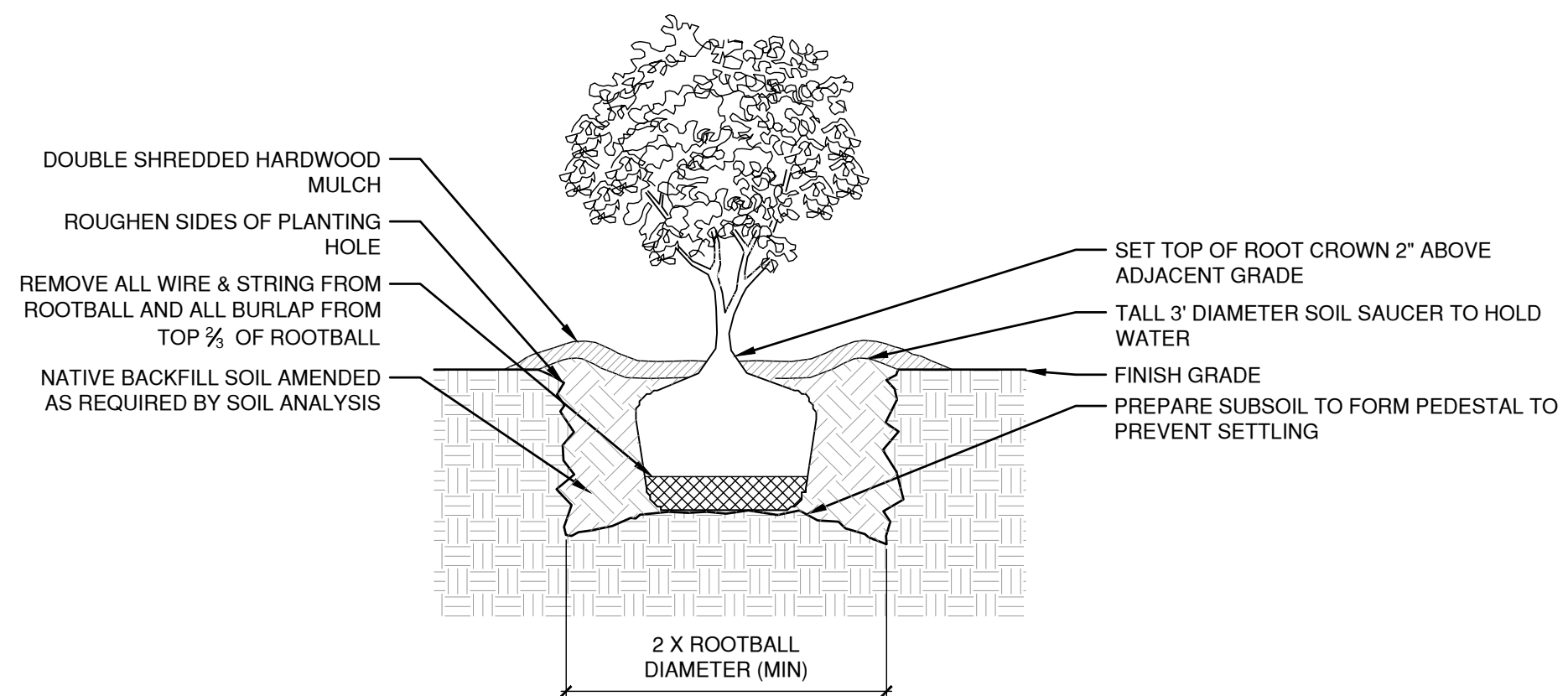
QTY	KEY	LATIN NAME	COMMON NAME	SIZE	ROOT CONDITION	
Trees	2	ARO	Acer rubrum 'October Glory'	October Glory Red Maple	3" cal.	B&B
	3	CFP	Cercis canadensis 'Forest Pansy'	Forest Pansy Redbud	2 - 2 1/2" cal.	B&B
	3	CFD	Comus florida 'Cherokee Princess'	Cherokee Princess Dogwood	2 - 2 1/2" cal.	B&B
	4	GBS	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	5" cal. Specimen	B&B
	1	LSX	Liquidambar styraciflua Rotundiloba'	Rotundiloba Sweetgum	2 - 2 1/2" cal.	B&B
	7	IXN	Ilex 'Nellie Stevens'	Nellie Stevens Holly	8" ht.	B&B
	1	NSX	Nyssa sylvatica	Blackgum	2 - 2 1/2" cal.	B&B
	1	MXS	Magnolia x soulangeana	Saucer Magnolia	2 - 2 1/2" cal.	B&B
	2	QRX	Quercus rubra	Northern Red Oak	3" cal.	B&B
	24					
Shrubs						
8	APR	Aesculus parviflora var. serotina 'Rogers'	Rogers Bottlebrush Buckeye	8' ht	B&B	
3	CAH	Clethra alnifolia 'Hummingbird'	Hummingbird Summersweet	3' gal.	CONT.	
20	FMA	Fothergilla major 'Mt Airy'	Mt Airy Fothergilla	3 gal.	CONT.	
10	RAG	Rhus aromatica 'Gro-low'	Fragrant Sumac	3 gal.	CONT.	
3	PLO	Prunus laurocerasus 'Otto Luyken'	Otto Luyken Cherry Laurel	3 gal.	CONT.	
3	PLS	Prunus laurocerasus 'Schlipkaensis'	Schlip Laurel	5 gal.	CONT.	
Perennials and Grasses						
15	HMJ	Hakonechloa macra	Japanese Forest Grass	1 gal.	18" o.c.	
85	LMB	Liriope muscari 'Big Blue'	Blue Lily Turf	1 gal.	12" o.c.	
189	NTX	Nassella tenuissima	Mexican Feathergrass	1 gal.	24" o.c.	
14	PAD	Perovskia atriplicifolia 'Denim n Lace'	Denim 'n Lace Russian Sage	1 gal.	30" o.c.	
85	SHX	Sporobolus heterolepis	Prairie Dropseed	1 gal.	18" o.c.	
PGM Perennial Mix (49 sf)						
3 Allium schoenoprasum			Chives	1 gal.	18" o.c.	
3 Anemone x hybrida			Anemone Anemone	1 gal.	18" o.c.	
12 Athyrium filix-femina			Lady Fern	1 gal.	12" o.c.	
7 Heiborne			Heiborne	1 gal.	12" o.c.	
6 Heuchera villosa 'Autumn Bride'			Coral Bells	1 gal.	12" o.c.	
1 Hosta x 'Blue Angel'			Blue Angel Hosta	1 gal.	24" o.c.	
2 Hosta x 'Sleeping Beauty'			Sleeping Beauty Hosta	1 gal.	18" o.c.	
1 Matteuccia			struthiopteris	1 gal.	18" o.c.	
Turf 11,700 sf						
Tall fescue blend						



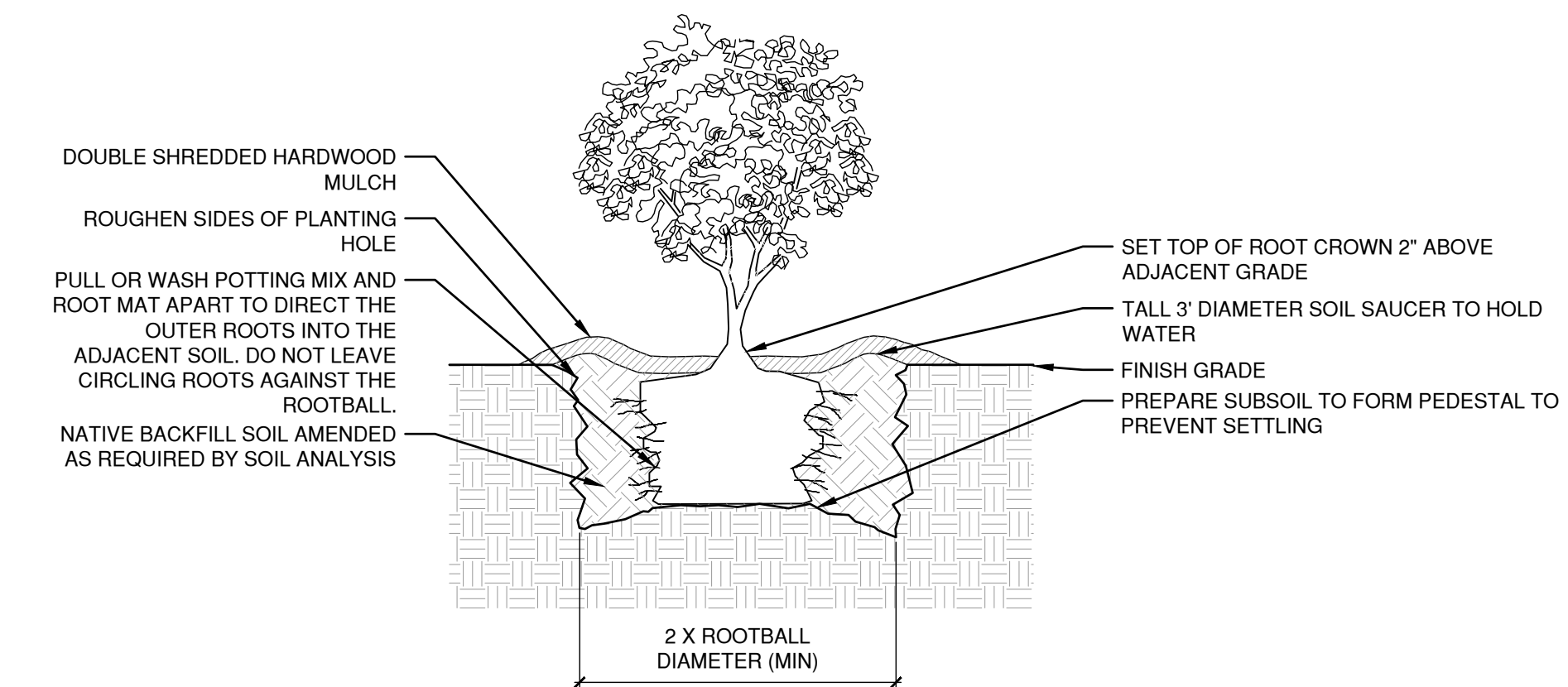
Scale: NTS



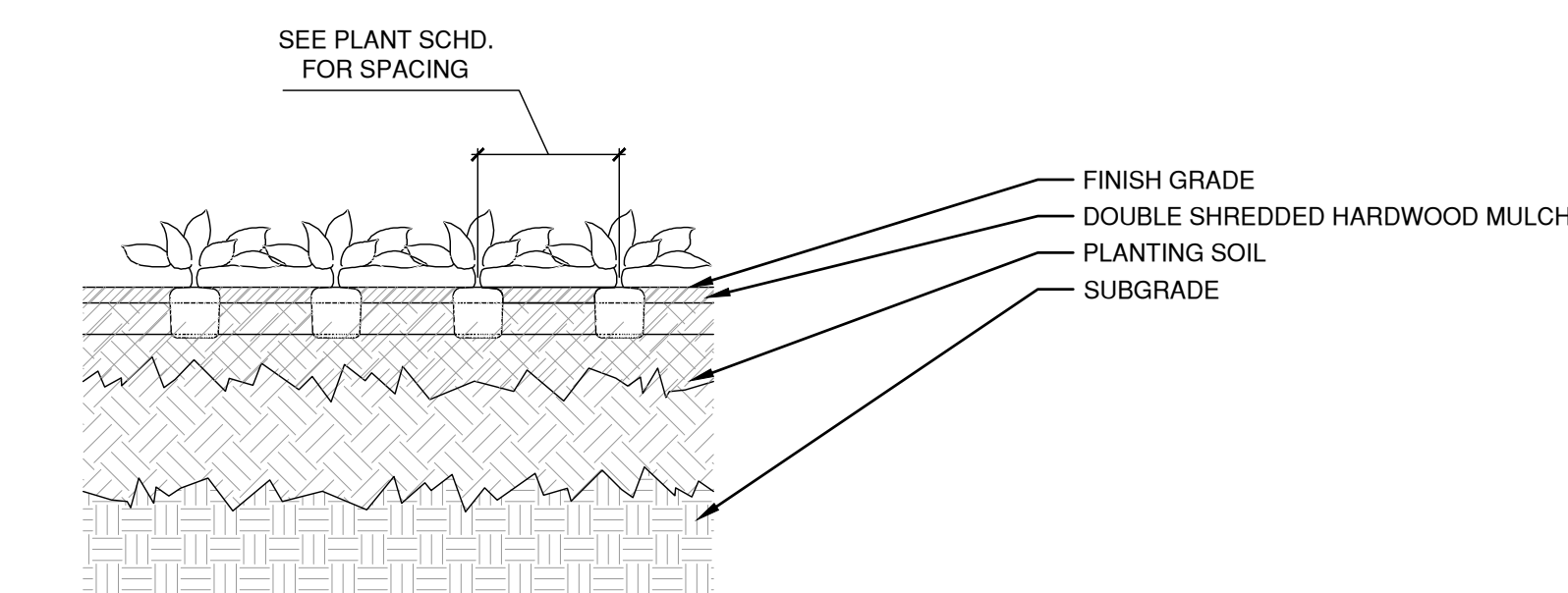
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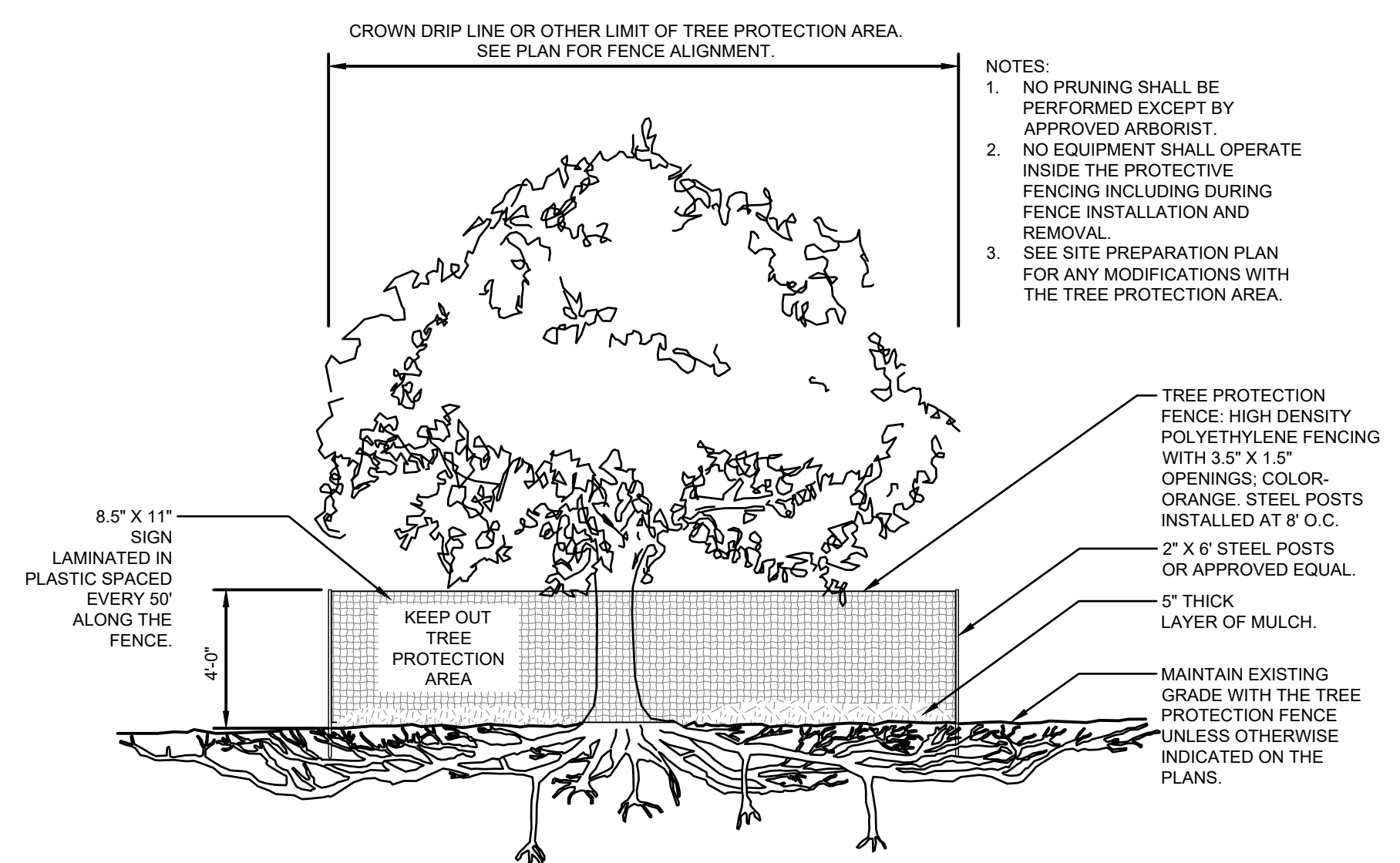
Scale: NTS



Scale: NTS



Scale: NTS



Scale: NTS

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B	12/13/24	100% DD
A	11/8/24	50% DD
NO.	DATE:	REMARKS:
REVISIONS:		

DRAWING TITLE:

PLANTING SCHEDULE DETAILS

PROJECT NO: 50182732	ISSUE DATE: 03/28/2025
DRAWN BY: MSC	CHECKED BY: TCC
SHEET NUMBER:	

L2.01

HARDSCAPE SCHEDULE

F1	BENCH	■■■■■	6" IRRIGATION SLEEVE
F2	TABLE	■■■■■■■	4" IRRIGATION SLEEVE
F3	CHAIR	-----	1" CONDUIT SLEEVE
F4	HANDRAIL		
F5	TRASH / RECYCLE RECEPTACLE		
P1	CAST-IN-PLACE CONCRETE		
P2	CONCRETE UNIT PAVERS		
P3	PERMEABLE UNIT PAVERS		
P4	CAST-IN-PLACE CONCRETE STAIRS		
P4	TACTILE WARNING UNIT PAVER		
P5	TRENCH DRAIN		
W1	BENCH / PLANTER WALL		
W2	STONE WALL - SEE STRUCTURAL DWGS		
W3	STONE RETAINING WALL - SEE STRUCTURAL DWGS		

SEE ##### FOR ADDITIONAL INFORMATION



A scale bar labeled "SCALE IN FEET" with markings at 25, 0, and 25. The bar is divided into segments by vertical lines, with alternating black and white segments.

ASD | SKY

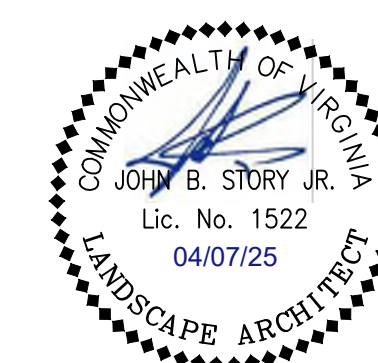
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D	03/2825	FOR PERMIT
C	02/2125	96% CD
B	12/1324	100% DD
A	11/824	55% DD
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HARDSCAPE PLAN

PROJECT NO.: 50182732	ISSUE DATE: 03/28/2025
DRAWN BY: MSC	CHECKED BY: TCC
SHEET NUMBER:	

L3.01