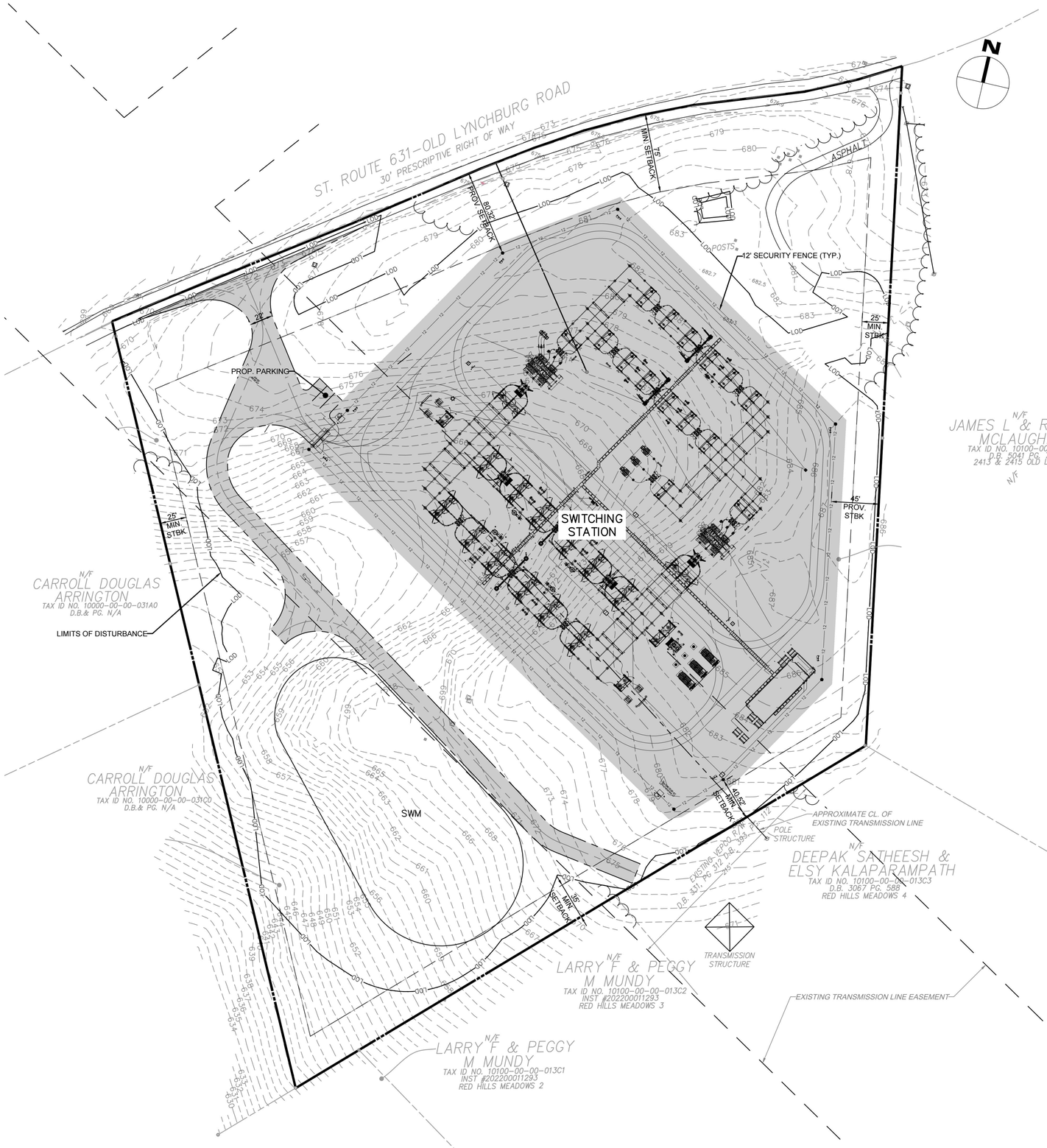


PROPERTY INFORMATION

TAX MAP/PARCEL ID:	10100-00-00-012C0 10100-00-00-012C1 10100-00-00-012C2
OWNER:	BATTERTON, LAWRENCE D JR/ALICIA L HOFFMAN, DANIEL AARON/SARA W STOKES CASTILLO, MARGARITA/ELISEO PINA
ALBEMARLE COUNTY ZONING CLASSIFICATION:	RA-RURAL AREAS
ALBEMARLE COUNTY MAGISTERIAL DISTRICT:	SAMUEL MILLER
PROPOSED STRUCTURE MAX. HEIGHT (ALLOWABLE):	35'
FEMA FLOOD INSURANCE RATE MAP:	ZONE X (AREA OF MINIMAL FLOOD HAZARD)
OVERLAY DISTRICTS:	CHARLOTTESVILLE-ALBEMARLE MPO BOUNDARY ENTRANCE CORRIDORS
SETBACKS REQUIRED	
FRONT-MINIMUM:	75'
SIDE-MINIMUM:	25'
REAR-MINIMUM:	35'
SETBACKS PROVIDED	
FRONT: 80.32'	
SIDE: 45.00'	
REAR: 40.52'	
PARCEL ACREAGE:	10.95 AC (TOTAL)
LIMITS OF DISTURBANCE	9.12 AC
PROPERTY NOT WITHIN AN ALBEMARLE COUNTY AND/OR CITY OF CHARLOTTESVILLE WATER SUPPLY SHED	
BUILDING HEIGHT REQUIRED	35' MAX
BUILDING HEIGHT PROVIDED	2 115 KV STRUCTURES AND UTILITY STRUCTURES WITHIN SWITCHING STATION

LEGEND

IMPERVIOUS, 4.74 AC*

LOD — LIMITS OF DISTURBANCE

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY IS BASED ON FIELD SURVEY DATED JUNE 26, 2023. *CONTROL PROVIDED BY DOMINION ENERGY
2. HORIZONTAL DATUM: VIRGINIA STATE PLANE COORDINATES, SOUTH ZONE, NAD833(2011), US FEET
   VERTICAL DATUM: NAVD88
3. THE SURVEYED PROPERTIES DELINEATED HEREON ARE LOCATED IN ALBEMARLE COUNTY, VA AS GPIN: 10100-00-00-012C0, 10100-00-00-012C1, & 10100-00-00-012C2
4. BOUNDARY INFORMATION AS SHOWN HEREON IS COMPILED FROM EXISTING LAND RECORDS OF ALBEMARLE COUNTY, MADE TO BEST FIT FIELD MONUMENTATION BASED OFF A CURRENT FIELD SURVEY PERFORMED BY BOWMAN FROM MAY-JUNE 2023.
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7. FLOOD NOTE: BY GEOGRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE X (AREA OF MINIMAL FLOOD HAZARD) OF THE FLOOD INSURANCE RATE MAP, MAP NUMBER 51003C0405D, WHICH BEARS AN EFFECTIVE DATE OF FEBRUARY 02, 2005. AND IS NOT IN A SPECIAL FLOOD HAZARD AREA.
8. LOTS ARE ZONED: RESIDENTIAL (SINGLE FAMILY) UP TO 5 ACRES.
9. CONTOURS ARE A RESULT OF A GROUND SURVEY PERFORMED BY BOWMAN AND ARE SHOWN AT 1 FOOT INTERVALS.
10. SEPTIC LOCATIONS AS SHOWN ARE APPROXIMATE FROM VIRGINIA DEPARTMENT OF HEALTH RECORD #'S SD-89-481 AND SD-90-323. THERE WERE NO RECORDS AVAILABLE FOR PARCEL 10100-00-00-012C0.
11. SEPTIC LOCATIONS ARE TO BE FIELD VERIFIED BY CONTRACTOR
12. NO WETLANDS PRESENT ON SITE.
13. *ALL NON-HATCHED AREAS WITHIN LOD SHALL BE VEGETATED.
14. ANY SITE LIGHTING WILL BE OPERATED IN EMERGENCY OR MAINTENANCE SITUATIONS. NO PERMANENT SITE LIGHTING PROPOSED AT THIS TIME.
15. BUFFER SCREENING TO BE PROVIDED IN ACCORDANCE WITH ORDINANCE REQUIREMENTS AND CONSULTATION WITH PLANNING STAFF.

REVISIONS			Dewberry
REV	DATE	DESCRIPTION	

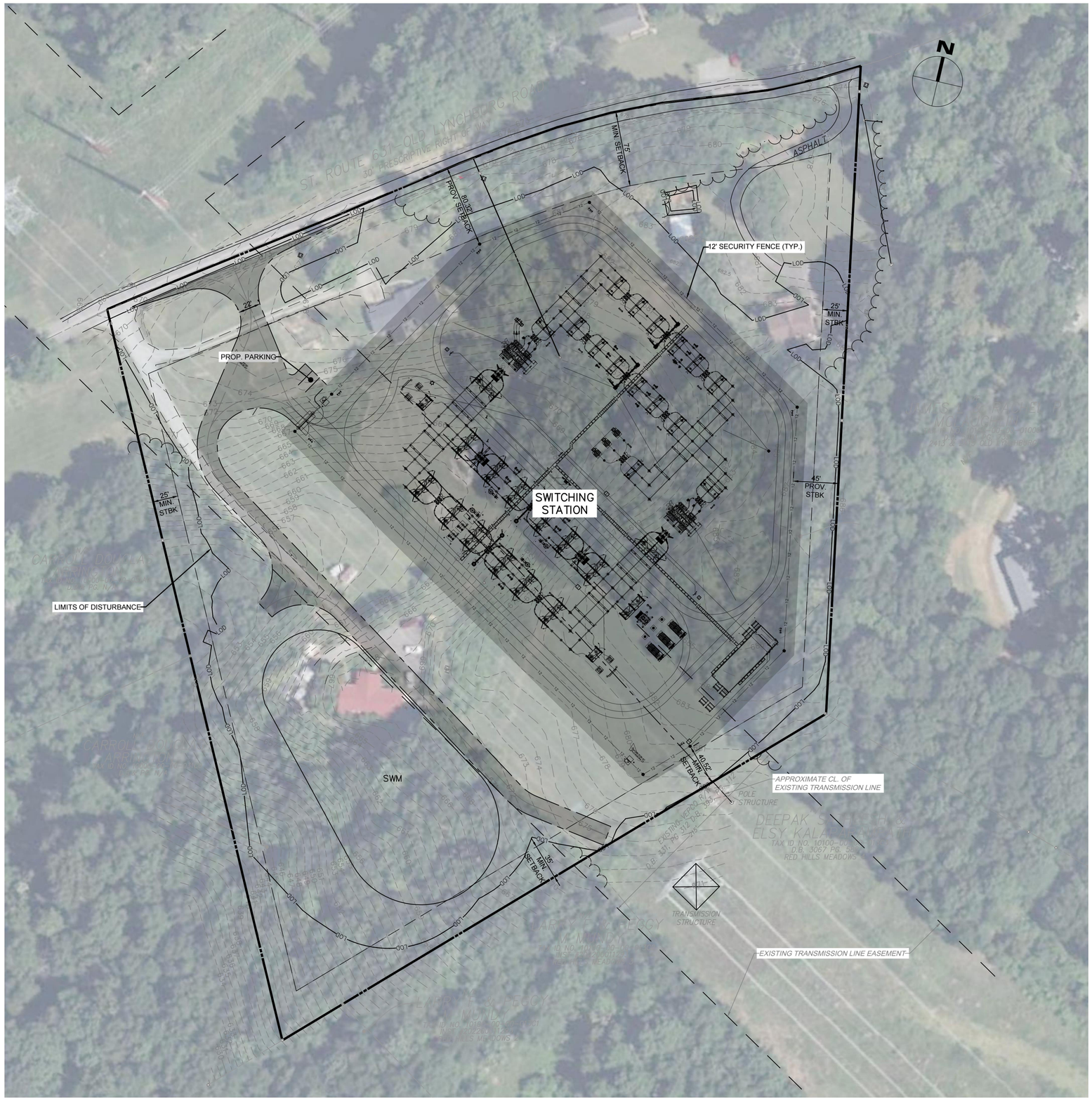
Dominion Energy

SITE EXHIBIT

WALNUT CREEK SUBSTATION

ALBEMARLE COUNTY VIRGINIA

OPERATIONAL REGION		REV	A	SCALE	1:50
PROJECT	NAME	DATE	SHEET:		1
DESIGNER	GA				
PROJECT ENGINEER	PH		DRAWING:		
APPROVED BY	KP		SITE EXHIBIT.DWG		



PROPERTY INFORMATION

TAX MAP/PARCEL ID:		10100-00-00-012C0 10100-00-00-012C1 10100-00-00-012C2
OWNER:		BATTERTON, LAWRENCE D JR/ALICIA L HOFFMAN, DANIEL AARON/SARA W STOKES CASTILLO, MARGARITA/ELISEO PINA
ALBEMARLE COUNTY ZONING CLASSIFICATION:		RA-RURAL AREAS
ALBEMARLE COUNTY MAGISTERIAL DISTRICT:		SAMUEL MILLER
PROPOSED STRUCTURE MAX. HEIGHT (ALLOWABLE):		35'
FEMA FLOOD INSURANCE RATE MAP:		ZONE X (AREA OF MINIMAL FLOOD HAZARD)
OVERLAY DISTRICTS:		CHARLOTTESVILLE-ALBEMARLE MPO BOUNDARY ENTRANCE CORRIDORS
SETBACKS REQUIRED		
FRONT-MINIMUM:		75'
SIDE-MINIMUM:		25'
REAR-MINIMUM:		35'
SETBACKS PROVIDED		
FRONT:	80.32'	
SIDE:	45.00'	
REAR:	40.52'	
PARCEL ACREAGE:		10.95 AC (TOTAL)
LIMITS OF DISTURBANCE		9.12 AC
PROPERTY NOT WITHIN AN ALBEMARLE COUNTY AND/OR CITY OF CHARLOTTESVILLE WATER SUPPLY SHED		
BUILDING HEIGHT REQUIRED		35' MAX
BUILDING HEIGHT PROVIDED		2 115 KV STRUCTURES AND UTILITY STRUCTURES WITHIN SWITCHING STATION

GENERAL NOTES:

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2. HORIZONTAL DATUM: VIRGINIA STATE PLANE COORDINATES, SOUTH ZONE, NAD833(2011), US FEET
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0' 25' 50' 100'
SCALE: 1" = 50'

REVISIONS		
REV	DATE	DESCRIPTION

Dewberry

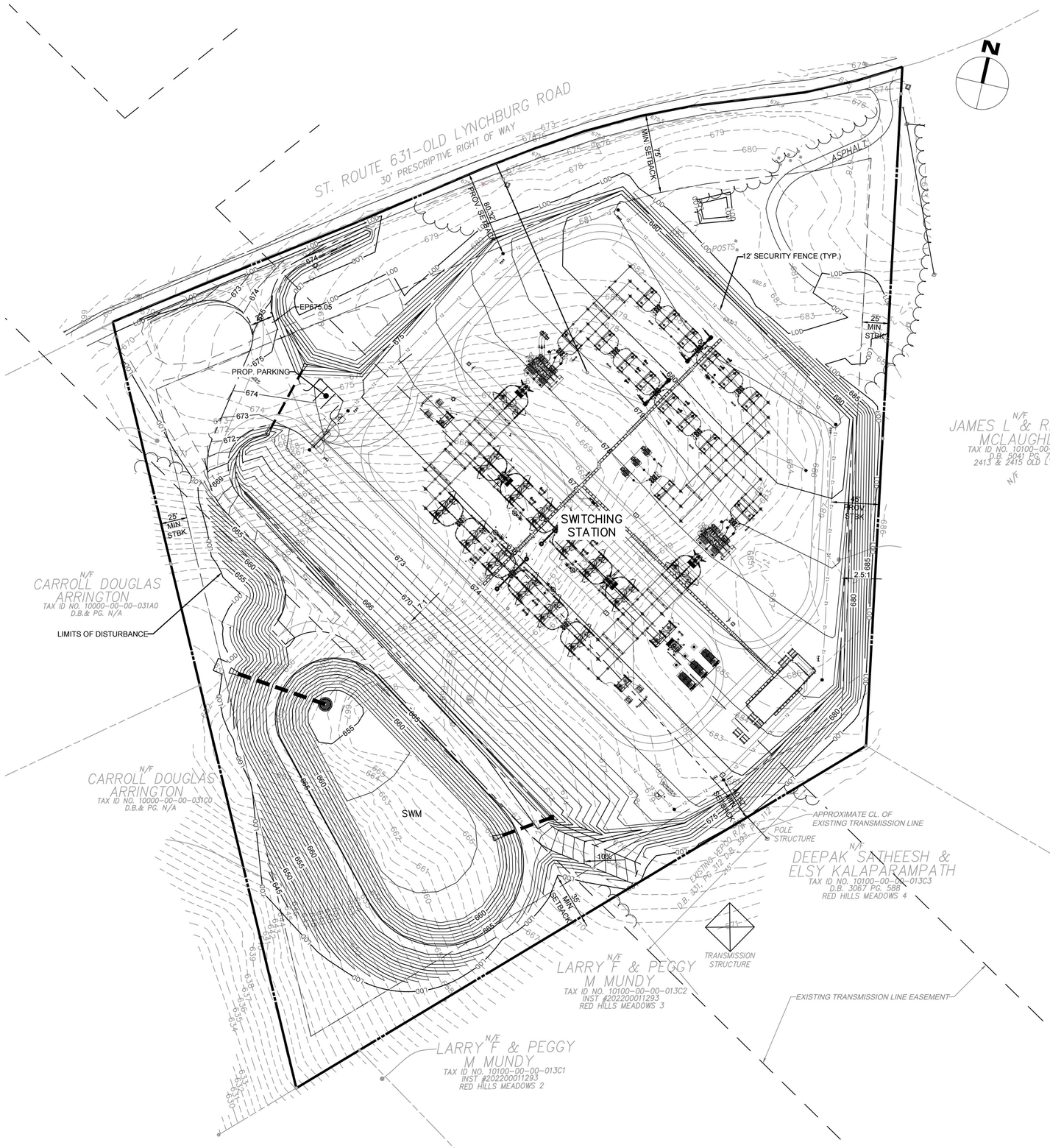
Dominion Energy

SITE EXHIBIT

WALNUT CREEK SUBSTATION

ALBEMARLE COUNTY VIRGINIA

OPERATIONAL REGION		REV	A	SCALE	1:50
PROJECT	NAME	DATE	SHEET:		2
DESIGNER	GA				
PROJECT ENGINEER	PH		DRAWING:		
APPROVED BY	KP				SITE EXHIBIT.DWG



PROPERTY INFORMATION

TAX MAP/PARCEL ID:	10100-00-00-012C0 10100-00-00-012C1 10100-00-00-012C2
OWNER:	BATTERTON, LAWRENCE D JR/ALICIA L HOFFMAN, DANIEL AARON/SARA W STOKES CASTILLO, MARGARITA/ELISEO PINA
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REVISIONS		
REV	DATE	DESCRIPTION

Dewberry

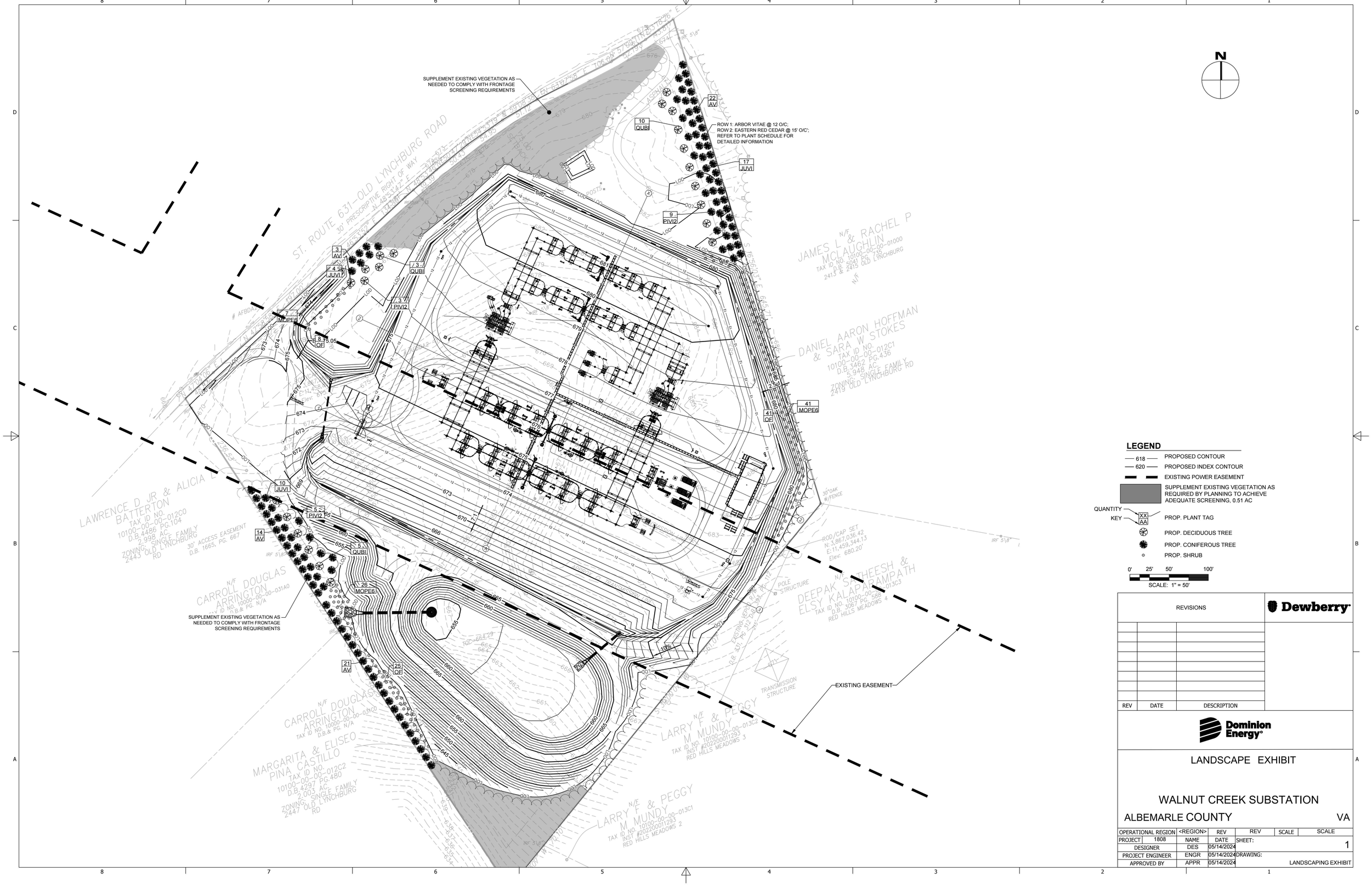
Dominion Energy

SITE EXHIBIT

WALNUT CREEK SUBSTATION

ALBEMARLE COUNTY VIRGINIA

OPERATIONAL REGION		REV	A	SCALE	1:50
PROJECT	NAME	DATE	SHEET:		3
DESIGNER	GA				
PROJECT ENGINEER	PH		DRAWING:		
APPROVED BY	KP		SITE EXHIBIT.DWG		



REVISIONS		
REV	DATE	DESCRIPTION

Dewberry

Dominion Energy

LANDSCAPE EXHIBIT

WALNUT CREEK SUBSTATION

ALBEMARLE COUNTY VA

OPERATIONAL REGION	<REGION>	REV	REV	SCALE	SCALE
PROJECT 1808	NAME	DATE	SHEET:		1
DESIGNER	DES	05/14/2024			
PROJECT ENGINEER	ENGR	05/14/2024	DRAWING:		
APPROVED BY	APPR	05/14/2024	LANDSCAPING EXHIBIT		

GENERAL NOTES:

1. All plant materials shall be specified to be equal to or better than the standards for nursery stock, by the American Nursery and Landscapers Association (ANLA).

2. Trees and shrubs shall be nursery grown, unless otherwise approved, and shall be healthy and vigorous plants, free from defects, decay, disfiguring roots, sun-scald, injuries, abrasions of the bark, plant diseases, insect pest eggs, borers and all forms of infestations or objectionable disfigurements, as determined by the director of public works. Plants shall be in accordance with the current American Nursery and Landscape Association and conform in general to representative species.

3. Plant Measurements: All plants shall conform to the measurements specified in the plant schedule of the landscape plan. All plant sizes specified in the plans shall generally be the median for the size ranges indicated in the ANLA standards and, at a minimum, shall comply with the following.

A. Caliper measurements shall be taken six (6) inches above grade for trees under four (4) inches caliper, and twelve (12) inches above grade for trees four (4) inches in caliper and over.

B. Minimum branching height for all shade trees shall be six (6) feet.

C. Minimum size for planting large deciduous trees shall be two to two and one-half (2-2½) inch caliper, twelve (12) feet to fourteen (14) feet in height.

D. Minimum size for planting all other deciduous trees shall be one to one and one-half (1-1½) inch caliper, six (6) feet to eight (8) feet in height.

E. Minimum size for planting evergreen trees shall be six (6) feet to seven (7) feet in height.

F. Minimum size for planting shrubs shall be eighteen (18) to twenty-four (24) inches in height or spread, except for quality dwarf varieties.

4. Plants shall be protected during delivery to prevent desiccation of leaves.

5. Insofar as is practicable, trees and shrubs shall be planted on day of delivery. If this is not possible, the contractor shall protect unplanted trees by keeping them in shade, well protected with soil, mulch or other acceptable material and shall keep trees well watered. Trees and shrubs shall not remain unplanted for more than two (2) weeks.

6. All trees and shrubs shall be planted in such a manner as to ensure their survival. This shall include the planting of intact balls, planting at proper depth, properly backfilling and watering, and construction of a planting saucer. All planting areas shall contain soils suitable for planting. Soils shall be clean and free of all construction materials. (See planting procedures for trees and planting procedures for shrubs in the latest edition of landscape specification guidelines for Baltimore, Washington Metropolitan Area, prepared by the Landscape Contractors Association of Metropolitan Washington and American Society of Landscape Architects for adequate specifications.)

7. Any rope or wire binding the ball shall be cut prior to the conclusion of backfilling operations to prevent girdling of the tree trunk.

8. If a nonbiodegradable material is used around the ball, it shall be completely removed prior to backfilling.

9. The owner of fee title to any property on which plant material has been established in accordance with an approved landscape/planting plan shall be responsible for the maintenance, repair and replacement of the approved plant materials as required by the ordinance.

10. The property owner shall be responsible for the maintenance of all buffer areas, landscaping, and screening, including replacement of dead or dying plant material, and the upkeep of any berm, walls, or fences.

11. No trees shall be located within storm drain easements unless a waiver of this requirement has been approved by the Prince William County Department of Public Works.

12. If tree preservation areas are not saved as shown on the plan, the County arborist will make an onsite inspection prior to planting to determine if changes are needed to the numbers and location of plantings required to meet the required buffering codes.

13. In accordance with Section 800 of the Design and Construction Standards Manual, a field investigation and evaluation of the existing vegetation and forested areas that are to be preserved was made. The field investigation took place in 2016. The tree save areas total approximately 0 acres and are identified on the landscape plan sheets as save areas.

14. No dry utilities shall be located within landscape areas with the exception of perpendicular crossings.

TREE PROTECTION REQUIREMENTS:

1. The permittee shall be responsible for the protection of tops, trunks and roots of all existing trees, as well as other vegetation to be retained on the site. After vegetation has been removed within the area authorized to be cleared, protective devices shall be installed along the limits of clearing and grading, prior to any construction work beginning on site. Protection shall be maintained until all work in the vicinity has been completed and shall not be removed without the consent of the director of public works. If the director of Public Works finds that the protective devices are insufficient to protect the vegetation retained on the site, additional protective devices shall be installed to insure adequate protection.

2. Once clearing is completed and protective devices installed, an inspection shall be requested to approve these items prior to commencing further construction.

3. Barricades, in accordance with the details in Section 810 of the DCSM, with appropriate signs to identify tree preservation areas shall be located along the limits of clearing line. The limits of clearing and grading line should generally be located at the drip line of the trees to be retained or spaced from the edge of the trunks equivalent to one foot for every inch in the diameter of the trees at breast height (DBH), whichever is greater. The following standards shall apply to the area within the established limits of clearing and grading line.

A. The soil shall not be disturbed or compacted.

B. Heavy equipment, vehicular traffic, stockpiling or any materials, or deposition of sediment, shall not be permitted.

C. Trees being removed shall not be felled, pushed or pulled into trees being retained. Equipment operators shall not clean any part of their equipment by slamming it against the trunks of trees to be retained.

D. No toxic materials shall be stored within fifty (50) feet of the limits of clearing and grading.

E. Burn pits shall not be permitted within one hundred (100) feet of vegetated area retained, unless approved by the director of public works. They shall be limited in size so as to not to adversely affect the vegetation.

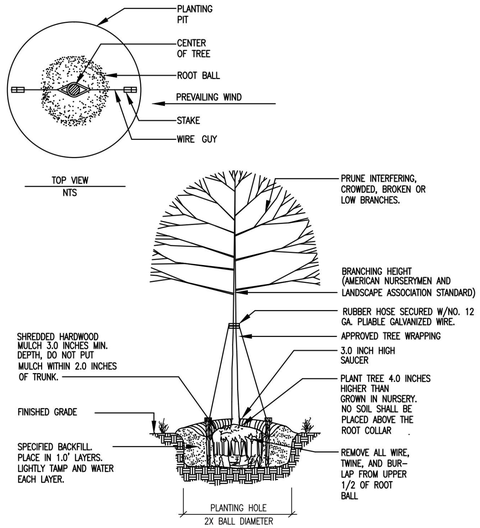
F. No protective devices, signs, utility boxes, or other objects shall be nailed to the trees to be retained on the site.

G. Additional trees may be left standing as protection between the trunks of the trees to be retained and the limits of grading. If the trunks of trees in this preservation area are more than six (6) feet apart, additional protection devices may be required to prevent passage of equipment and material through the area. When additional trees are used as protection, the limits of clearing shown on the approved plan shall be flagged in the field so that the additional preservation area is delineated. When this method of protection is used, these additional trees shall be removed prior to completion of the project if required by the director of Public Works.

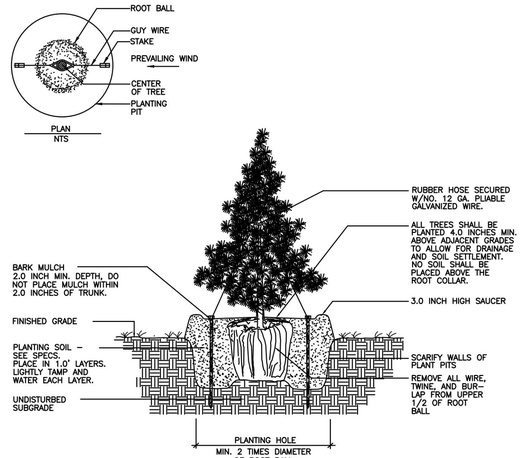
H. Sediment-laden runoff shall be diverted away from the preservation area. When the edge of a parking lot abuts a tree preservation area, curb and gutter rolled asphalt or similar type of guttering material shall be used to divert concentrated runoff away from the tree preservation area.

SOIL RESTORATION REQUIREMENTS:

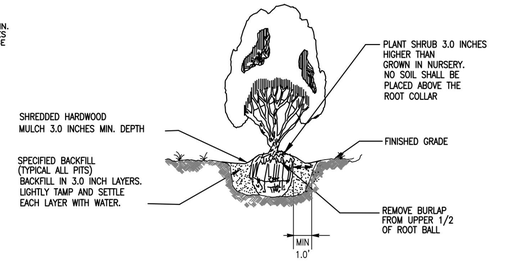
1. To facilitate adequate expansion of tree and shrub roots to support healthy plants, all areas of the proposed landscape buffers which have been subject to pavement and/or compaction shall have all foreign materials (asphalt,concrete, gravel, debris, etc.) removed and all soil loosened to a depth of at least 3' prior to planting. A top dressing of at least 6" of clean topsoil shall be provided. This topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy sand. The topsoil shall not be a mixture of or contain contrasting textured subsoils. the topsoil shall contain less than 5% by volume of cinders, stones, slag, course fragments, sticks, roots, trash, or other materials larger than 1 ½" in diameter and shall not contain gravel. The topsoil shall contain a minimum of 5% natural fine organic matter, such as leaf mold, peat moss, etc.



TYPICAL SHADE TREE PLANTING DETAIL
NOT TO SCALE



TYPICAL EVERGREEN TREE PLANTING DETAIL
NOT TO SCALE



TYPICAL SHRUB PLANTING DETAIL
NOT TO SCALE

PLANT LIST - SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	REMARKS	SIZE
SHRUB					
MOPE6	74	MORELLA PENSYLVANICA	NORTHERN BAYBERRY		
OF	74	OSMANTHUS X FORTUNEI	FORTUNES OSMANTHUS		
DECIDUOUS TREE					
QUBI	18	QUERCUS BICOLOR	SWAMP WHITE OAK		
CONIFEROUS TREE					
AV	60	THUJA STANDISHII X PLICATA	ARBORVITAE GREEN GIANT		
JUVI	31	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	B&B	7-8' HT
PIVI2	17	PINUS VIRGINIANA	VIRGINIA PINE	B&B	7-8' HT

REVISIONS			Dewberry
REV	DATE	DESCRIPTION	

Dominion Energy

LANDSCAPE DETAILS

WALNUT CREEK SUBSTATION

ALBEMARLE COUNTY VA

OPERATIONAL REGION	<REGION>	REV	REV	SCALE	SCALE
PROJECT 1808	NAME	DATE	SHEET:		2
DESIGNER	DES	05/14/2024			
PROJECT ENGINEER	ENGR	05/14/2024	DRAWING:		
APPROVED BY	APPR	05/14/2024	LANDSCAPING EXHIBIT		

Project		Catalog #		Type	
Prepared by		Notes		Date	



Streetworks

Navion

Roadway & High Mast Luminaire

Product Features

Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 3
- Product Specifications page 4
- Energy and Performance Data page 4
- Control Options page 7

Product Certifications

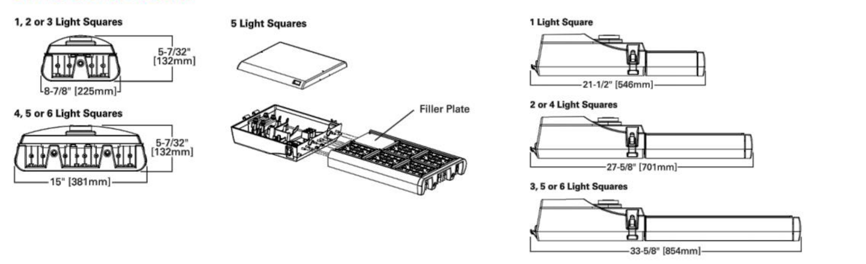
Quick Facts

- Patented, high-efficiency AccuLED Optics system provides uniform illumination in 16 different optical distributions
- Lumen packages range from 7,500 - 41,000 nominal lumens (30W - 380W)
- Tool-less entry; hinged removable power door for easy maintenance
- Efficacies up to 158 lumens per watt

Connected Systems

- WaveLinx
- Enlighted

Dimensional Details



NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.

additional product diagrams

Streetworks Navion

Ordering Information

Product Family [1, 2]	Light Engine: Configuration	Light Engine: Drive Current	Color Temperature	Voltage	Distribution	Mounting	Finish
NVN=Navion BAA-NVN=Navion Buy American Act Compliant[23] TAA-NVN=Navion Trade Agreements Act Compliant[23]	SA1=1 Square SA2=2 Squares SA3=3 Squares SA4=4 Squares SA5=5 Squares SA6=6 Squares	A=615mA B=800mA C=1050mA (1A) D=1200mA (1.2A)	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 760=70CRI, 6000K 827=80CRI, 2700K 830=80CRI, 3000K 835=80CRI, 3500K AMB=590nm Amber [3]	U=Universal (120-277V) 9=347V [4] 8=480V [5] DV=277-480V DuraVolt Drivers [5, 25, 26]	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Front Line	[Blank]=Standard Mast Arm Slipfitter AI=22° Upsweep Mast Arm[6] A15=15° Straight Mast Arm[6] ALJS15=Adjustable Slipfitter (Factory set at 15° tilt) ALJS25=Adjustable Slipfitter (Factory set at 25° tilt) ALJS45=Adjustable Slipfitter (Factory set at 45° tilt)	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White

Options (Add as Suffix)

10MSP=10kV MOV Surge Protective Device
10K=10kV UL 1449 Fused Surge Protective Device
20MSP=20kV MOV Surge Protective Device
20K=20kV UL 1449 Surge Protective Device
2L=Two Circuits [7]
L90=Optics Rotated 90° Left
R90=Optics Rotated 90° Right
HSS=House Side Shield [8]
HA=50°C High Ambient Temperature [9]
IP66=IP66 Rated
K=Level Indicator
LCF=Light Square Trim Plate Painted to Match Housing
CC=Coastal Construction finish [21]
CE=CE Marking [9, 10]
PR=NEMA 3-PIN Twistlock Photocontrol Receptacle
PR7=NEMA 7-PIN Twistlock Photocontrol Receptacle
FADC=Field Adjustable Dimming Controller [27]
PSC=Photocontrol Shorting Cap
AHD145=After Hours Dim, 5 Hours [11]
DXXXXX=Department of Transportation - Customer specific details [28]
UXXXXX=Utility - Customer specific details [28]
AHD245=After Hours Dim, 6 Hours [11]
AHD255=After Hours Dim, 7 Hours [11]
AHD355=After Hours Dim, 8 Hours [11]
SPB1=Dimming Occupancy Sensor with Bluetooth Interface, <8' Mounting [22]
SPB2=Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting [22]
SPB4=Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting [22]
MS-L08=Motion Sensor for ON/OFF Operation, Up to 8' Mounting Height [12, 13]
MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height [12, 13]
MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height [12, 13]
MS/X-L08=Motion Sensor for Bi-Level Operation, Up to 8' Mounting Height [12, 13, 14]
MS/X-L20=Motion Sensor for Bi-Level Operation, 9' - 20' Mounting Height [12, 13, 14]
MS/X-L40=Motion Sensor for Bi-Level Operation, 21' - 40' Mounting Height [12, 13, 14]
MS/DIM-L08=Motion Sensor for Dimming Operation, Up to 8' Mounting Height [12, 13]
MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height [12, 13]
MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height [12, 13]
LWR-LW=Enlighted Wireless Sensor, 8' - 16' Mounting Height [12, 15]
LWR-LN=Enlighted Wireless Sensor, 16' - 40' Mounting Height [12, 15]
[See Table Below]=LumenSafe Integrated Network Security Camera [16]

Accessories (Order Separately)[24]

OA/RA1013=Twistlock Receptacle Shorting Cap
OA/RA1014=NEMA Twistlock Photocontrol - 120V
OA/RA1016=NEMA Twistlock Photocontrol - Multi-Tap
OA/RA1027=NEMA Twistlock Photocontrol - 480V
OA/RA1201=NEMA Twistlock Photocontrol - 347V
MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
MA1011-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon
MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon
MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon
A15-XX=15" Straight Mast Arm Kit [6]
ALJS15-XX=Adjustable Slipfitter Kit (Factory set at 15° tilt)
ALJS25-XX=Adjustable Slipfitter Kit (Factory set at 25° tilt)
ALJS45-XX=Adjustable Slipfitter Kit (Factory set at 45° tilt)
LS/HSS=House Side Shield [8, 18]
FSIR-100=Wireless Configuration Tool for Motion Sensor [19]
WOLC-7P-10A=WaveLinx Outdoor Control Module (7-PIN) [20]

NOTES:
1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications. Refer to installation instructions and pole white paper WP513001EN for additional support information.
3. Narrow-band 590nm +/- 5nm for wildlife and observatory use. Choose drive current A; supplied at 500mA drive current only. Exact luminaire wattage available in IES files. Available with 5WQ, 5MQ, SL2, SL3 and SL4 distributions. Can be used with HSS option.
4. Not available with sensor options at 1.2A drive current. Not available in combination with HA high ambient and sensor options at 1A drive current.
5. 480V not to be used with ungrounded or impedance grounded systems.
6. Round pole adapter and mounting hardware included. Type M drill pattern.
7. Option available only with 4 and 6 Square configurations. Low-level output varies. Consult factory. Option not available in combination with high voltage (9 or 8) and sensor options (PR, PR7, AHD, MS, LWR, LumenSafe). No terminal block with 2L option.
8. House side shield not for use on 5NQ, 5MQ, 5WQ, or RW distributions. The Light Square Trim Plate is painted black when HSS option is selected.
9. Not available with 1.2A drive current or Amber color temperature (AMB).
10. Only available at Universal (U) voltage. Not available with sensor or controls options (PR, PR7, AHD, MS, LWR, LumenSafe).
11. Requires the use of Photocontrol Receptacle (PR or PR7) and a photocontrol accessory. See After Hours Dim Supplemental Guide for additional information.
12. Controls system is not available with photocontrol receptacle (PR or PR7) or other controls systems (MS or LWR).
13. Utilizes the Wattstopper sensor FSP-211.
14. Available with 4, 5, or 6 square configurations. Replace "X" with number of squares in low output modes. Maximum two squares in low output mode.
15. Enlighted wireless sensors are factory installed and require network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See website for Enlighted application information.
16. All configurations require 15-in wide housing size. If 1-3 light square is selected, filler plates will be used. LumenSafe not available at high voltage (9 or 8) or High Ambient (HA). When ordered with Type V optic, a factory-installed light shield will be provided.
17. Replace XX with paint color.
18. Must order one per light square when ordering as a field-installable accessory.
19. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information.
20. Requires 7-PIN NEMA twistlock photocontrol receptacle (PR7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS or LWR). Only for use at 120-347V voltages.
21. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654.
22. Smart device with mobile application required to change system defaults. See controls section for details.
23. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
24. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
25. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information.
26. Not available in 1 square configuration at 800mA and below. Not available with any control option except SPB.
27. Cannot be used with PR7 or other motion response control options.
28. Customer specific specifications utilizes standard products with small adjustments to meet unique requirements such as packaging, labels, wattage adjustments, etc.

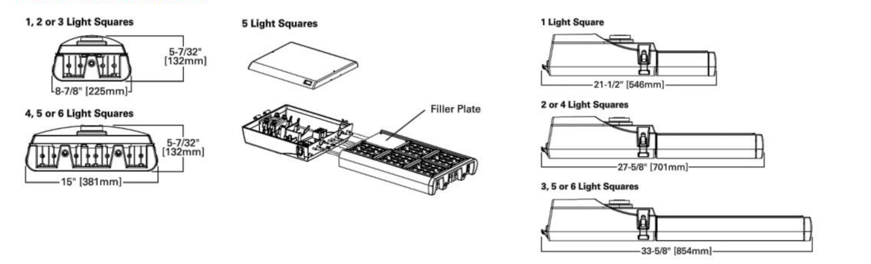
LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology	D=Dome Camera, Standard H=Dome Camera, Hi-Res Z=Dome Camera, Remote PTZ	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

Project		Catalog #		Type	
Prepared by		Notes		Date	

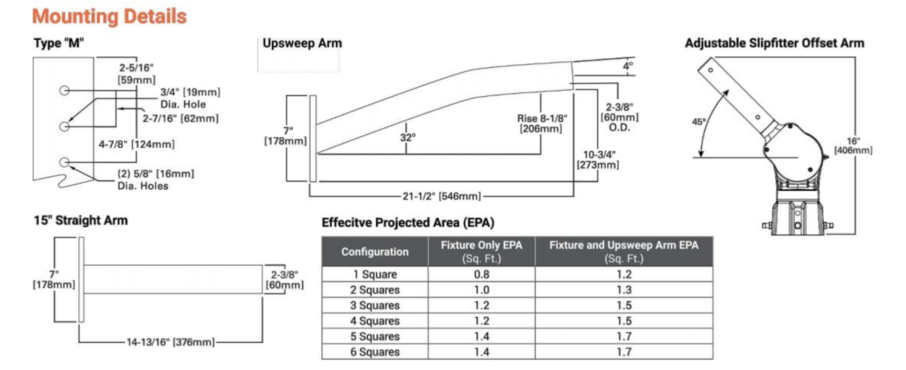
Streetworks
Navion
Roadway & High Mast Luminaire
Product Features
Interactive Menu
- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 3
- Product Specifications page 4
- Energy and Performance Data page 4
- Control Options page 7
Product Certifications
Quick Facts
- Patented, high-efficiency AccuLED Optics system provides uniform illumination in 16 different optical distributions
- Lumen packages range from 7,500 - 41,000 nominal lumens (30W - 380W)
- Tool-less entry; hinged removable power door for easy maintenance
- Efficacies up to 158 lumens per watt
Connected Systems
- WaveLinx
- Enlighted
Dimensional Details
NOTES:
1. Visit https://www.designlights.org/search/ to confirm qualification. Not all product variations are DLC qualified.
2. IDA Certified for 3000K CCT and warmer only.
additional product diagrams
COOPER Lighting Solutions PS521002EN page 1 January 24, 2023 12:31 PM





Streetworks Navion

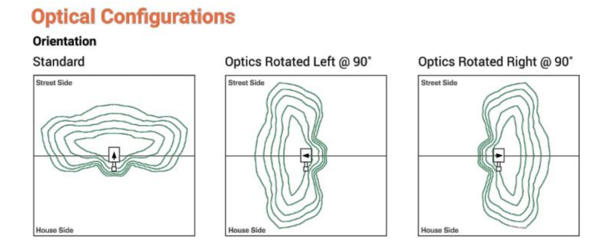
Mounting Details

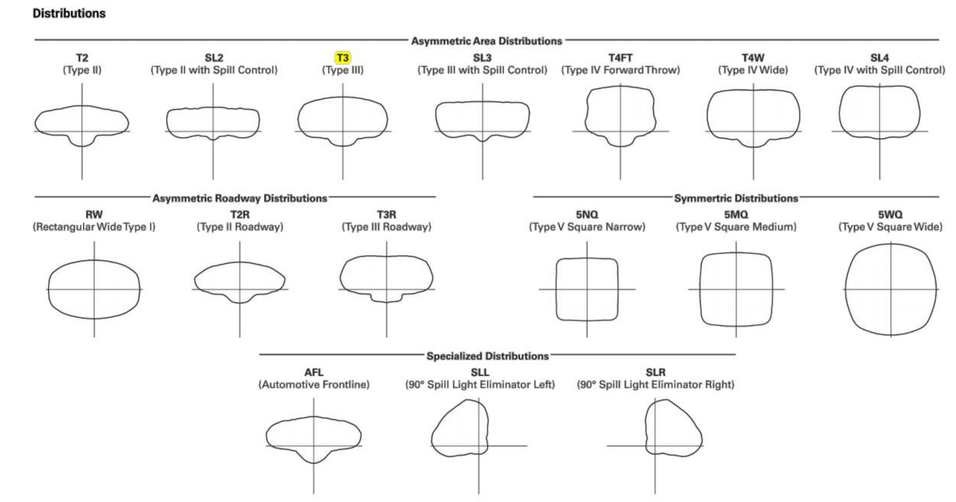


Effecitve Projected Area (EPA)

Configuration	Fixture Only EPA (Sq. Ft.)	Fixture and Upsweep Arm EPA (Sq. Ft.)
1 Square	0.8	1.2
2 Squares	1.0	1.3
3 Squares	1.2	1.5
4 Squares	1.2	1.5
5 Squares	1.4	1.7
6 Squares	1.4	1.7

Optical Configurations





Streetworks Navion

Product Specifications

Construction
- Die-cast aluminum housing and door
- Extruded aluminum heat sink
- Tool-less entry, hinged removable power tray door

Optics
- Light square are IP66 enclosure rated
- Precision molded polycarbonate optics
- IDA certified (3000K CCT and warmer only)

Electrical
- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- 0-10V dimming driver standard

Mounting
- Four-bolt / two-bracket slipfitter with cast-in pipe stop and level steps at 2.5° increments
- Fixed-in-place bird guard seals around 1-1/4" or 2" mounting arms

Finish
- Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Heat sink is anodized aluminum

Shipping Data
- Approximate Net Weight:
  - 1 Square 17 lbs. (7.7kgs.)
  - 2 Squares 22 lbs. (10.0 kgs.)
  - 3 Squares 26 lbs. (11.8 kgs.)
  - 4 Squares 31 lbs (14.1 kgs.)
  - 5 Squares 34 lbs. (15.4 kgs.)
  - 6 Squares 36 lbs. (16.3 kgs.)
- Effective Projected Area (Sq. Ft.):
  - Fixture Only:
    - 1 Square 0.8
    - 2 Square's 1.0
    - 3 Square's 1.2
    - 4 Square's 1.2
    - 5 Square's 1.4
    - 6 Square's 1.4
- Fixture with AI Arm:
  - 1 Square 1.2
  - 2 Square's 1.3
  - 3 Square's 1.5
  - 4 Square's 1.5
  - 5 Square's 1.7
  - 6 Square's 1.7

Warranty
- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

Lumen Maintenance

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

View Navion IES files

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

LED Color Multipliers

CRI	Amber	2200	2700	3000	3500	4000	5000	6000
	CCT							
	Lumen Multiplier*							
70	--	0.74	0.84	0.91	0.93	1.00	1.00	1.00
80	--	--	0.75	--	--	--	--	--
Monochromatic	0.17	--	--	--	--	--	--	--

Note: *Estimates, refer to IES files for accuracy

FADC Settings SA1-SA3 (A, B, C, D Drive Current); SA4A; SA4C-D; SA5-SA6 (A, B, C, D Drive Current)

FADC Position	SA1-SA3: Percent of Typical Lumen Output	SA4A: Percent of Typical Lumen Output	SA4C-D: Percent of Typical Lumen Output	SA5-SA6: Percent of Typical Lumen Output
1	25%	25%	14%	14%
2	48%	48%	25%	25%
3	56%	56%	32%	32%
4	65%	65%	43%	43%
5	75%	75%	49%	49%
6	80%	80%	57%	57%
7	85%	85%	65%	65%
8	90%	90%	72%	72%
9	95%	95%	80%	80%
10	100%	100%	100%	100%

Streetworks Navion

Power and Lumens (1-3 Light Squares)

Supplemental Performance Guide

Number of Light Squares		SA1A	SA1B	SA1C	SA1D	SA2A	SA2B	SA2C	SA2D	SA3A	SA3B	SA3C	SA3D
Square Count		1	1	1	1	2	2	2	2	3	3	3	3
Drive Current (mA)		615	800	1050	1200	615	800	1050	1200	615	800	1050	1200
Power (Watts)		34	44	59	67	66	85	113	129	96	124	166	191
Input Current @ 120V (A)		0.30	0.39	0.51	0.51	0.58	0.77	1.02	1.16	0.86	1.13	1.53	1.78
Input Current @ 208V (A)		0.17	0.22	0.29	0.33	0.34	0.44	0.56	0.63	0.49	0.62	0.82	0.93
Input Current @ 240V (A)		0.15	0.19	0.26	0.29	0.30	0.38	0.48	0.55	0.43	0.54	0.71	0.80
Input Current @ 277V (A)		0.14	0.17	0.23	0.25	0.28	0.36	0.42	0.48	0.41	0.47	0.61	0.70
Input Current @ 347V (A)		0.11	0.15	0.17	0.20	0.19	0.24	0.32	0.39	0.30	0.38	0.50	0.57
Input Current @ 480V (A)		0.08	0.11	0.14	0.15	0.15	0.18	0.24	0.30	0.24	0.29	0.37	0.43
Distribution [1]													
T2	Lumens	4,681	5,741	7,106	7,796	9,334	11,447	14,167	15,541	13,881	17,022	21,069	23,111
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	138	130	120	116	141	135	125	120	145	137	127	121
T2R	Lumens	5,012	6,146	7,607	8,345	9,993	12,255	15,168	16,639	14,862	18,225	22,556	24,744
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
	Lumens per Watt	147	140	129	125	151	144	134	129	155	147	136	130
T3	Lumens	4,784	5,866	7,261	7,966	9,539	11,697	14,480	15,883	14,186	17,395	21,531	23,619
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G4
	Lumens per Watt	141	133	123	119	145	138	128	123	148	140	130	124
T3R	Lumens	4,865	5,966	7,384	8,100	9,699	11,894	14,721	16,149	14,425	17,689	21,893	24,016
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4
	Lumens per Watt	143	136	125	121	147	140	130	125	150	143	132	126
T4FT	Lumens	4,821	5,911	7,316	8,026	9,612	11,787	14,589	16,004	14,294	17,529	21,694	23,799
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	142	134	124	120	146	139	129	124	149	141	131	125
T4W	Lumens	4,727	5,796	7,175	7,870	9,423	11,556	14,302	15,690	14,015	17,185	21,270	23,333
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4
	Lumens per Watt	139	132	122	117	143	136	127	122	146	139	128	122
SL2	Lumens	4,689	5,750	7,116	7,807	9,350	11,464	14,189	15,566	13,903	17,049	21,102	23,149
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
	Lumens per Watt	138	131	121	117	142	135	126	121	145	137	127	121
SL3	Lumens	4,777	5,858	7,251	7,954	9,524	11,680	14,455	15,857	14,164	17,367	21,496	23,581
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4
	Lumens per Watt	140	133	123	119	144	137	128	123	148	140	129	123
SL4	Lumens	4,563	5,595	6,926	7,597	9,098	11,155	13,808	15,147	13,529	16,590	20,535	22,526
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G4	B2-U0-G5	B2-U0-G5
	Lumens per Watt	134	127	117	113	138	131	122	117	141	134	124	118
5NQ	Lumens	4,917	6,029	7,462	8,186	9,803	12,022	14,879	16,323	14,579	17,877	22,126	24,274
	BUG Rating	B2-U0-G1	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	145	137	126	122	149	141	132	127	152	144	133	127
5MQ	Lumens	5,094	6,247	7,731	8,481	10,156	12,455	15,415	16,910	15,103	18,521	22,923	25,147
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3
	Lumens per Watt	150	142	131	127	154	147	136	131	157	149	138	132
5WQ	Lumens	4,976	6,102	7,553	8,285	9,921	12,166	15,058	16,518	14,755	18,092	22,394	24,565
	BUG Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G3
	Lumens per Watt	146	139	128	124	150	143	133	128	154	146	135	129
SLL/ SLR	Lumens	4,225	5,181	6,412	7,035	8,423	10,328	12,784	14,023	12,526	15,360	19,011	20,854
	BUG Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G4
	Lumens per Watt	124	118	109	105	128	122	113	109	130	124	115	109
RW	Lumens	4,887	5,994	7,418	8,138	9,745	11,950	14,791	16,224	14,492	17,770	21,995	24,128
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
	Lumens per Watt	144	136	126	121	148	141	131	126	151	143	132	126
AFL	Lumens	4,901	6,009	7,438	8,159	9,771	11,981	14,829	16,268	14,532	17,818	22,054	24,193
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G2
	Lumens per Watt	144	137	126	122	148	141	131	126	151	144	133	127

NOTES: 1. Photometric data published here for 740, 750, 760 Color Temperature options. For other options, refer to published IES files on product webpage or Supplemental Performance Tables.

Streetworks Navion

Control Options

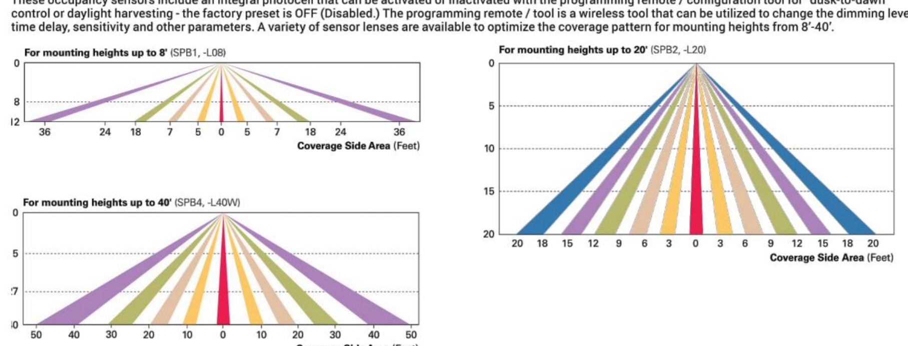
0-10V
This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PR and PR7)
Photocontrol receptacles provide a flexible solution to enable "dusk-to-dawn" lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PR7 receptacle.

After Hours Dim (AHD)
This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a "dusk-to-dawn" period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

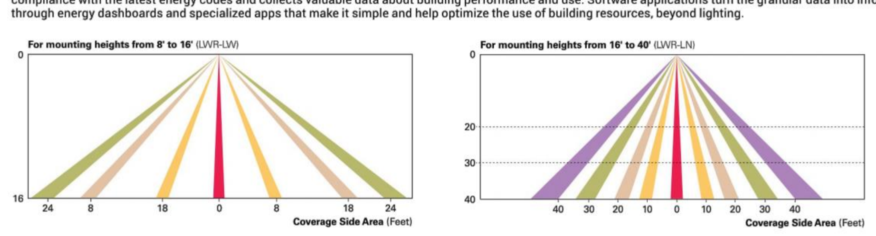
Dimming Occupancy Sensor (SPB, MS/DIM-LXX, MS/X-LXX and MS-LXX)
When a sensor for dimming operation (MS/DIM) option is selected, the luminaire will dim down to approximately 50 percent power after five mintues of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation (MS-LXX) is selected, the luminaire will turn off after five minutes of no activity. When a sensor for bi-level operation (MS/X) is selected, the specified number of light engines will shut off after five minutes of inactivity. The remaining light engines will remain on. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes. The SPB requires the Sensor Configuration mobile application by Wattstopper or iOS and Android devices to change factory default dimming level, time delay, sensitivity and other parameters.

These occupancy sensors include an integral photocell that can be activated or inactivated with the programming remote / configuration tool for "dusk-to-dawn" control or daylight harvesting - the factory preset is OFF (Disabled.) The programming remote / tool is a wireless tool that can be utilized to change the dimming level, time delay, sensitivity and other parameters. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 8'-40'.



WaveLinx Wireless Control and Monitoring System Available in 7-PIN configurations, the WaveLinx Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. Use the WaveLinx Mobile application for set-up and configuration. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).
WaveLinx Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

Enlighted Wireless Control and Monitoring System (LWR-LW and LWR-LN)
Enlighted is a connected lighting solution that combines LED luminaires with an integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



LumenSafe (LD)
The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optically designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line voltage power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.

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Specifications and dimensions subject to change without notice.

SLIM12Y/PC

RAB



12, 18 and 26 Watt SLIM wall packs are ultra efficient and deliver impressive light distribution with a compact low-profile design that's super easy to install as a downlight or uplight.

Color: Bronze Weight: 4.1 lbs

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.12A
208V	N/A
240V	N/A
277V	N/A
Input Watts	15.9W

LED Info

Watts	12W
Color Temp	3000K (Warm)
Color Accuracy	71 CRI
L70 Lifespan	100,000 Hours
Lumens	1,915
Efficacy	120.4 lm/W

Technical Specifications

Electrical

Driver: Constant Current, Class 2, 100-277V, 50/60 Hz., 4KV surge protection, 120V: 0.14A, 208V: 0.08A, 240V: 0.07A, 277V: 0.06A

THD: 7.7% at 120V, 13.3% at 277V

Power Factor: 99.4% at 120V, 95.4% at 277V

Photocell: 120V Button photocell included. Photocell is only compatible with 120V.

Compliance

UL Listed: Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

ADA Compliant: SLIM™ is ADA Compliant

IESNA LM-79 & LM-80 Testing: RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Listed: This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: P0000171L

Construction

IP Rating: Ingress protection rating of IP66 for dust and water

Cold Weather Starting: The minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature: Suitable for use in up to 40°C (104°F)

Housing: Precision die-cast aluminum housing

Mounting: Heavy-duty mounting bracket with hinged housing for easy installation

Recommended Mounting Height: Up to 8 ft

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SLIM12Y/PC

RAB

Technical Specifications (continued)

Construction

Lens: Tempered glass lens

Reflector: Specular thermoplastic

Gaskets: High-temperature silicone

Finish: Formulated for high durability and long-lasting color

Green Technology: Mercury and UV free. RoHS-compliant components.

LED Characteristics

LED: Multi-chip, long-life LED

Color Consistency: 3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability: LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity: RAB's range of Correlated Color Temperature follows the guidelines for the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Performance

Lifespan: 100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Other

Equivalency: Equivalent to 70W Metal Halide

Patents: The design of the SLIM™ is protected by patents in U.S. Pat D681,864, and pending patents in Canada, China, Taiwan and Mexico.

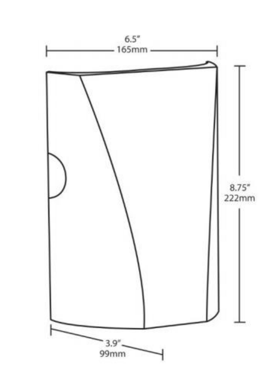
HID Replacement Range: Replaces 70W Metal Halide

Buy American Act Compliance: RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating: B1 U0 G0

Dimensions



Features

Full cutoff, fully shielded LED wall pack
Can be used as a downlight or uplight
Contractor friendly features for easy installation
100,000-hour LED Life
5-Year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Driver	Options
SLIM	12	Y			/PC
	12 = 12W 18 = 18W 26 = 26W	Blank = 5000K Cool N = 4000K Neutral Y = 3000K Warm	Blank = Bronze W = White	Blank = Standard (120-277V) /D10 = Dimmable	Blank = No Option /PC = 120V Button /PC2 = 277V Button /LC = Lightcloud® Controller

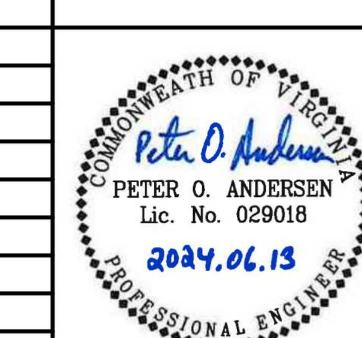
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FIXTURE SCHEDULE

FIXTURE TYPE	FIXTURE WATTAGE	DESCRIPTION	MANUFACTURER AND MODEL
LL1	140W (max)	POLE-MOUNTED, 120-277Vac, 2 SQUARE LED ENGINE LIGHT FIXTURE WITH 800mA DRIVE CURRENT, COLOR TEMPERATURE OF 4000K, 70CRI, TYPE 3 DISTRIBUTION, GREY HOUSING, 1050mA DRIVER, 11,697 LUMENS, WET LOCATION LISTED.	COOPER NVN-SA2B-740-U-T3-AP
LW1	12W (max)	WALL-MOUNTED, 120-277Vac, DIE CASE ALUMINUM HOUSING BRONZE, WALL PACK, COLOR TEMPERATURE OF 3000K, 71CRI, 1915 LUMENS, WET LOCATION LISTED.	RAB SLIM12Y/PC

REVISIONS		
REV	DATE	DESCRIPTION

Dewberry



Dominion Energy

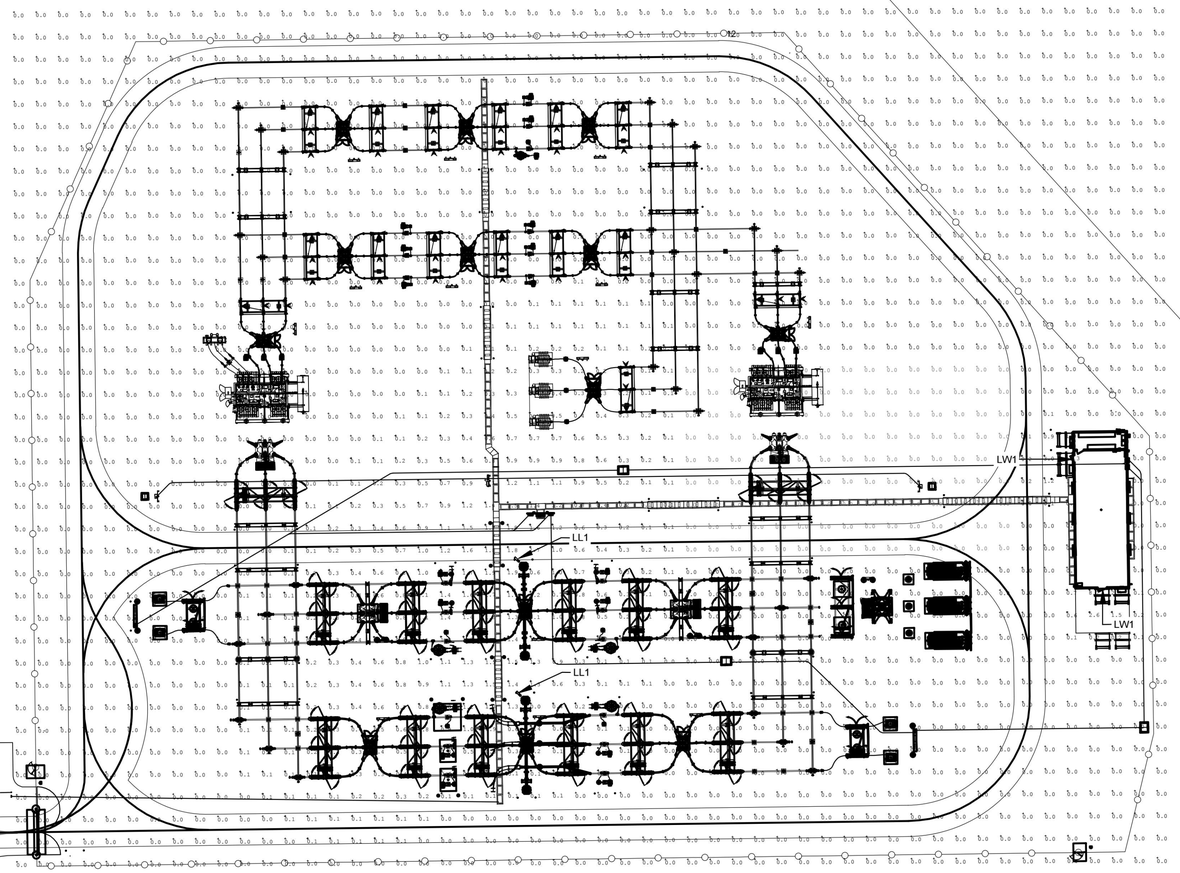
EXTERIOR LIGHTING PHOTOMETRICS

WALNUT CREEK SUBSTATION
KING AND QUEEN COUNTY, VIRGINIA

OPERATIONAL REGION		REV		SCALE	
PROJECT	NAME	DATE	SHEET:		
DESIGNER	JG	06/12/24			
PROJECT ENGINEER	DS	06/12/24	DRAWING: ES-101		
APPROVED BY	POA	06/12/24			

NOTES:

1. INSTALLATION OF LIGHT POLES AND LIGHTS BY OTHERS.
2. PHOTOMETRICS BASED ON LIGHT FIXTURE LL1 MOUNTED 30'-0" AFG AND LIGHT FIXTURE LW1 MOUNTED 8'-0" AFG.



1 LIGHTING PHOTOMETRICS
3/8" = 1'-0"

0 2' 4' 6'
SCALE: 3/8" = 1'

REVISIONS		
REV	DATE	DESCRIPTION

Dewberry

COMMONWEALTH OF VIRGINIA
PETER O. ANDERSEN
Lic. No. 029018
2024.06.13
PROFESSIONAL ENGINEER

Dominion Energy

EXTERIOR LIGHTING PHOTOMETRICS

WALNUT CREEK SUBSTATION
KING AND QUEEN COUNTY, VIRGINIA

OPERATIONAL REGION			REV		SCALE
PROJECT		NAME	DATE	SHEET:	
DESIGNER		JG	03/25/24		
PROJECT ENGINEER		DS	03/25/24	DRAWING:	
APPROVED BY		POA	03/25/24	ES-104	