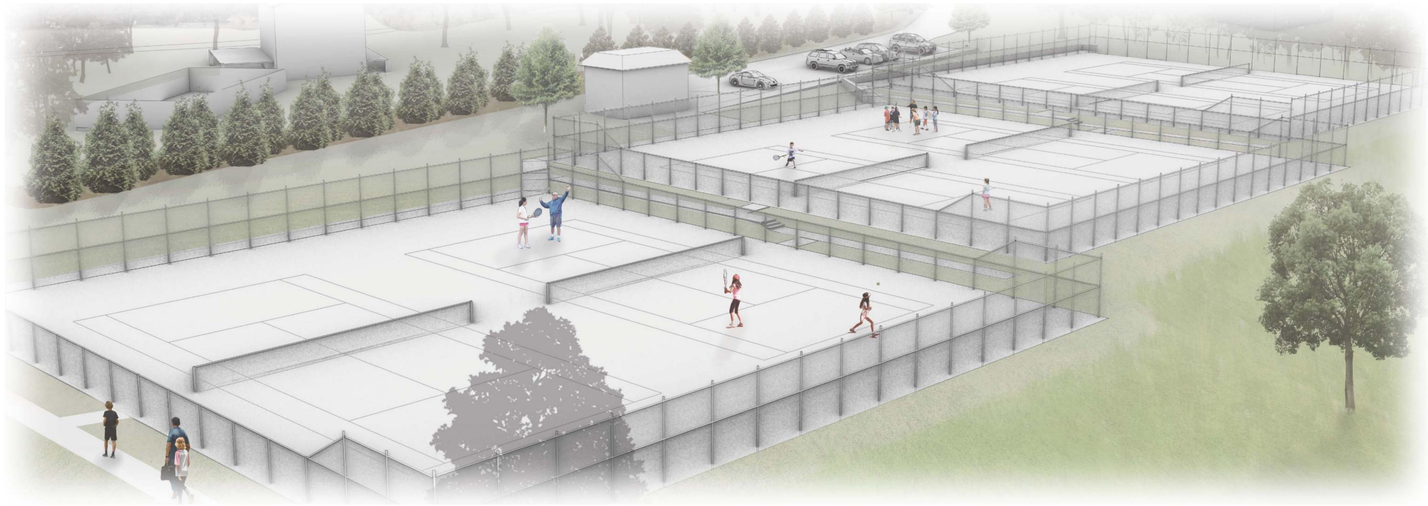
COVENANT SCHOOL HICKORY CAMPUS SPECIAL USE

SP202300001 CONCEPTUAL PLAN

PREAPP202200101 COVENANT SCHOOL AMENDMENT TO SP199900054
TO ADD PARCEL 07600-00-00-053J0 FOR TENNIS FACILITIES

COUNTY OF ALBEMARLE, VIRGINIA
SCOTTSVILLE MAGISTERIAL DISTRICT



Site Plan Notes

1. Owner/Developer:
   The Covenant School
   175 Hickory Street
   Charlottesville, Virginia 22903
   Tel: 434.220.7329

2. Engineer:
   Woolley Engineering
   210 5th St. NE
   Charlottesville, Virginia 22902
   Tel: 434.973.0045

3. Landscape Architect:
   Grounded Landscape Architecture & Design, LLC
   Secretarys Sand Road
   Esmont, Virginia 22937
   Tel: 434.249.7779

4. The purpose of this special use permit amendment (SP199900054) is to add parcel 07600-00-00-053J0 for Tennis Facilities

5. Source of Information:
   County Research and/or Owner provided.

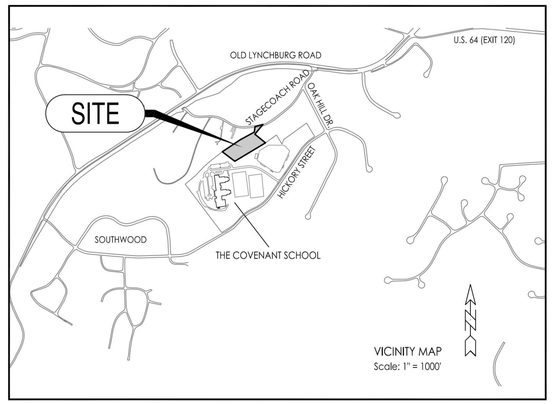
6. Source of Survey:
   A topographic and physical survey of the site was provided by Kirk Hughes & Associates (October 2022)
   Horizontal Datum: NAD-83 Virginia South Zone
   Vertical Datum: NAVD-88

7. Parcel Information:
   Proposed Tennis Facilities Parcel
   Owner: Covenant School of Charlottesville, Inc.
   Parcel Number: 07600-00-00-053J0
   499 Stagecoach Road, Charlottesville, Virginia 22903
   Site: 2.61 ac
   Current Use: Residential
   Deed Book: 810, p. 82
   Zoning: R2, Residential
   Watershed: Moores Creek
   Steep Slopes: Steep Slopes - Managed

   Existing Private School Parcel
   Owner: The Covenant School
   Parcel Number: 090A0-00-00-00200
   175 Hickory Street, Charlottesville, Virginia 22903
   Site: 25.93 ac
   Current Use: Private School
   Deed Book: 1755, p. 173
   Zoning: R2, Residential
   Watershed: Moores Creek
   Steep Slopes: Steep Slopes - Managed, Steep Slopes - Preserved

8. Parking Tabulations
   A. Existing Parking: 2 spaces (residential driveway)
   B. Required Parking: 2 spaces per court (Sec. 4.12.6) = 12 spaces
   C. Proposed Parking: 6 spaces including 1 HC accessible space
   D. A shared parking arrangement with the school property will be pursued with the site plan to achieve minimum parking requirements for the proposed use.

9. Stormwater Management
   A. The School intends to purchase off-site nutrient credits to satisfy State Stormwater Quality Regulations.
   B. Underground stormwater vaults will be utilized to satisfy State Stormwater Quantity Regulations.



VICINITY MAP
Scale: 1" = 1000'

SHEET INDEX

C1.0	Cover
C2.0	Concept Layout Plan
C3.0	Concept Grading Plan
C4.0	Concept Utilities Plan
C4.1	Concept Sanitary Sewer Plan
C4.2	Concept Stormwater Management Plan
C5.0	Site Lighting Plan
C5.1	Site Lighting Details
L1.0	Site Landscape Plan

Filled Box Indicates Drawing Included in Set

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Covenant School Hickory Campus Tennis Courts
Special Use Concept Plan
COUNTY OF ALBEMARLE, VIRGINIA

COVER SHEET

Job Number: 22080

Date: February 20, 2023

Revision: June 9, 2023

Scale: As Noted

Sheet No.:

C1.0

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HATCHED AREA DENOTES APPROXIMATE LIMITS OF EXISTING TREELINE

(5) STANDARD PARKING SPACES (10' x 18') + (1) HANDICAPPED PARKING SPACE (10'x18') WITH BUMPER BLOCKS AT EACH PARKING SPACE

PROPOSED LANDSCAPE SCREENING BUFFER SEE SHEET L1.0 FOR DETAILS

NEW RETAINING WALL

NEW 20' PAVED ASPHALT DRIVE

N 75d2'8" E

PAVED DRIVE

VDOT SIGN

TMP 76-53J
N/F COVENANT SCHOOL OF CHARLOTTESVILLE, INC.
INST.# 202200009329
D.B. 810, Pg 83 PLAT
D.B. 332, Pg 88, 90 PLAT
D.B. 341, Pg 257, 259 PLAT

HATCHED AREA DENOTES APPROXIMATE LIMITS OF EXISTING TREELINE

TMP 76-53C
N/F DON. H. & SUSIE. H. BICKERS
D.B. 900, Pg 564
D.B. 402, Pg 180 PLAT

GRAVEL

#496

NEW STORAGE BUILDING WITH RESTROOM FACILITIES (1 HC ACCESSIBLE AND 1 TRADITIONAL) 14' x 22'

PROPOSED LANDSCAPE SCREENING BUFFER SEE SHEET L1.0 FOR DETAILS

NEW 5' WIDTH CONCRETE SIDEWALK

TREES TO BE REMOVED PER NEIGHBOR'S (BICKERS) REQUEST. NEW LANDSCAPE BUFFER SHALL BE PLANTED AS PART OF SITE IMPROVEMENTS

DECK

#515

POOL

UTIL. BLDG.

#535

TMP 76-56D
N/F SARAH A. LESTER
D.B. 4283, Pg 552, 556 PLAT
D.B. 414, Pg 353 PLAT

TAX MAP 76, PARCEL 53C
N/F STEPHEN GLENN MURRAY
& SYLVIE LOBES
D.B. 5637, Pg 526

TMP 76-53G
N/F WILLIAM H BRAY
INST.# 202200009329
D.B. 4493, PG 661

NEW 5' WIDTH CONCRETE SIDEWALK

UTIL. BLDG.

TENNIS COURT 1 (57'x120')

TENNIS COURT 2 (57'x120')

TENNIS COURT 3 (57'x120')

TENNIS COURT 4 (57'x120')

TENNIS COURT 5 (57'x120')

TENNIS COURT 6 (57'x120')

PROPOSED TREELINE (TYP)

PROPOSED LANDSCAPE SCREENING BUFFER SEE SHEET L1.0 FOR DETAILS

NEW RETAINING WALL

NEW 4' WIDTH CONCRETE SIDEWALK

NEW 4' WIDE WALKING PATH STONE DUST WITH TIMBER EDGING

NEW 4' WIDTH WALKING PATH STONE DUST WITH TIMBER EDGING

PROPERTY LINE

EXISTING TRAIL

FENCING WITH GATES (TYP)

(10) 6' x 2' BENCHES FOR SPECTATORS (TYP)

NEW 4' WIDTH CONCRETE SIDEWALK

TAX MAP 90A, PARCEL 2
"PARCEL A1"
THE COVENANT SCHOOL
D.B. 1725, Pg 173
D.B. 1755, Pg 175 PLAT

PROPOSED 4' WIDE STAIR LANDSCAPE TIMBER WITH STONE DUST 26 RISERS TOTAL 4' TREAD, 0.5' RISER

TAX MAP 90A, PARCEL 2
"PARCEL A1"
THE COVENANT SCHOOL
D.B. 1755, Pg 173
D.B. 1755, Pg 175 PLAT

NEW 4' WIDTH CONCRETE SIDEWALK

VEPCO UNDERGROUND CABLE EASEMENT D.B. 1986, Pg 24

EXISTING PARKING LOT

NEW 5' WIDTH CONCRETE SIDEWALK

4' WIDTH MOWED GRASS TRAIL CONNECTION

NEW CG-12

NEW 6' WIDTH HIGH-VISIBILITY PAINTED CROSSWALK

NEW CG-12

KEY:
WINDSCREEN ALONG FENCING NO SPECTATOR SEATING

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The Covenant School Hickory Campus Tennis Courts

Special Use Concept Plan

COUNTY OF ALBEMARLE, VIRGINIA

CONCEPT LAYOUT PLAN

Job Number: 22080

Date: February 20, 2023

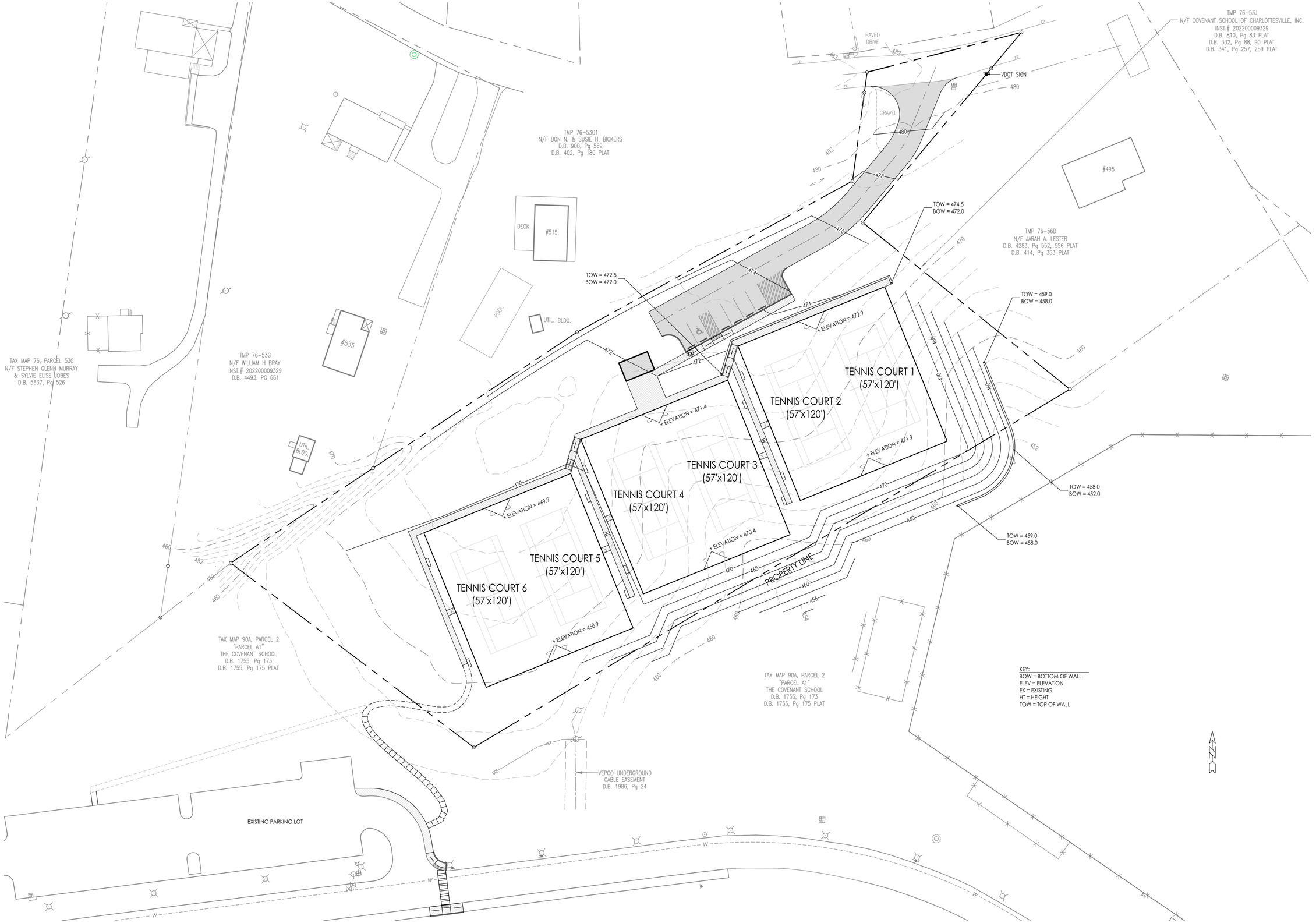
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Covenant School Hickory Campus Tennis Courts

Special Use Concept Plan

COUNTY OF ALBEMARLE, VIRGINIA

CONCEPT GRADING PLAN

Job Number: 22080

Date: February 20, 2023

Revision: June 9, 2023

Scale: 1" = 30'

Sheet No.:

C3.0

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TMP 76-53J
N/F COVENANT SCHOOL OF CHARLOTTESVILLE, INC.
INST.# 202200009329
D.B. 810, Pg 83 PLAT
D.B. 332, Pg 88, 90 PLAT
D.B. 341, Pg 257, 259 PLAT

PAVED DRIVE

VDOT SIGN

GRAVEL

(2) NEW UTILITY POLES

24' LENGTH ELECTRIC CONNECTION TO BUILDING

PROPOSED WATER METER

PROPOSED FIRE HYDRANT

PROPOSED CURB INLET
DI-38, 6' LENGTH

TMP 76-53G1
N/F DON N. & SUSIE H. BICKERS
D.B. 900, Pg 569
D.B. 402, Pg 180 PLAT

#495

(2) 4' STORM MANHOLES

TMP 76-56D
N/F JARAH A. LESTER
D.B. 4283, Pg 552, 556 PLAT
D.B. 414, Pg 353 PLAT

810' - 6" PVC SANITARY SEWER

DECK

#515

POOL

UTIL. BLDG.

#535

TAX MAP 76, PARCEL 53C
N/F STEPHEN GLENN MURRAY
& SYLVIE ELISE JOBES
D.B. 5637, Pg 526

TMP 76-53G
N/F WILLIAM H BRAY
INST.# 202200009329
D.B. 4493, PG 661

UTIL. BLDG.

(5) 4' SANITARY SEWER MANHOLES

TENNIS COURT 1
(57'x120')

TENNIS COURT 2
(57'x120')

TENNIS COURT 3
(57'x120')

TENNIS COURT 4
(57'x120')

TENNIS COURT 5
(57'x120')

TENNIS COURT 6
(57'x120')

UGE

SS

W

(3) 114' - 6" TRENCH DRAINS
WITH 170 LINEAR FEET OF CONNECTIONS TO STORMWATER DETENTION

PROPERTY LINE

385' - 12" HDPE STORM DRAIN

775' - 4' Ø UNDERGROUND STORMWATER STORAGE PIPE

TAX MAP 90A, PARCEL 2
"PARCEL A1"
THE COVENANT SCHOOL
D.B. 1755, Pg 173
D.B. 1755, Pg 175 PLAT

TAX MAP 90A, PARCEL 2
"PARCEL A1"
THE COVENANT SCHOOL
D.B. 1755, Pg 173
D.B. 1755, Pg 175 PLAT

NOTE:
NEEDED FIRE FLOW FOR PROPOSED 308 SF BRICK BUILDING IS 300 GPM. THIS VALUE WAS CALCULATED USING THE ISO METHOD.

THE AVAILABLE WATER CAPACITY FOR THE EXISTING HYDRANT LOCATED ON THE SCHOOL PROPERTY IS 1,350 GPM.

SEE SHEET C4.1 FOR SANITARY SEWER CONTINUATION AND TIE-IN LOCATION

285' UNDERGROUND ELECTRIC LINES

VEPCO UNDERGROUND CABLE EASEMENT
D.B. 1986, Pg 24

525' - 6" WATER LINE

SEE SHEET C4.2 FOR STORMWATER MANAGEMENT OUTFALL

EXISTING PARKING LOT

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Covenant School Hickory Campus Tennis Courts

Special Use Concept Plan

COUNTY OF ALBEMARLE, VIRGINIA

CONCEPT UTILITIES PLAN

Job Number: 22080

Date: February 20, 2023

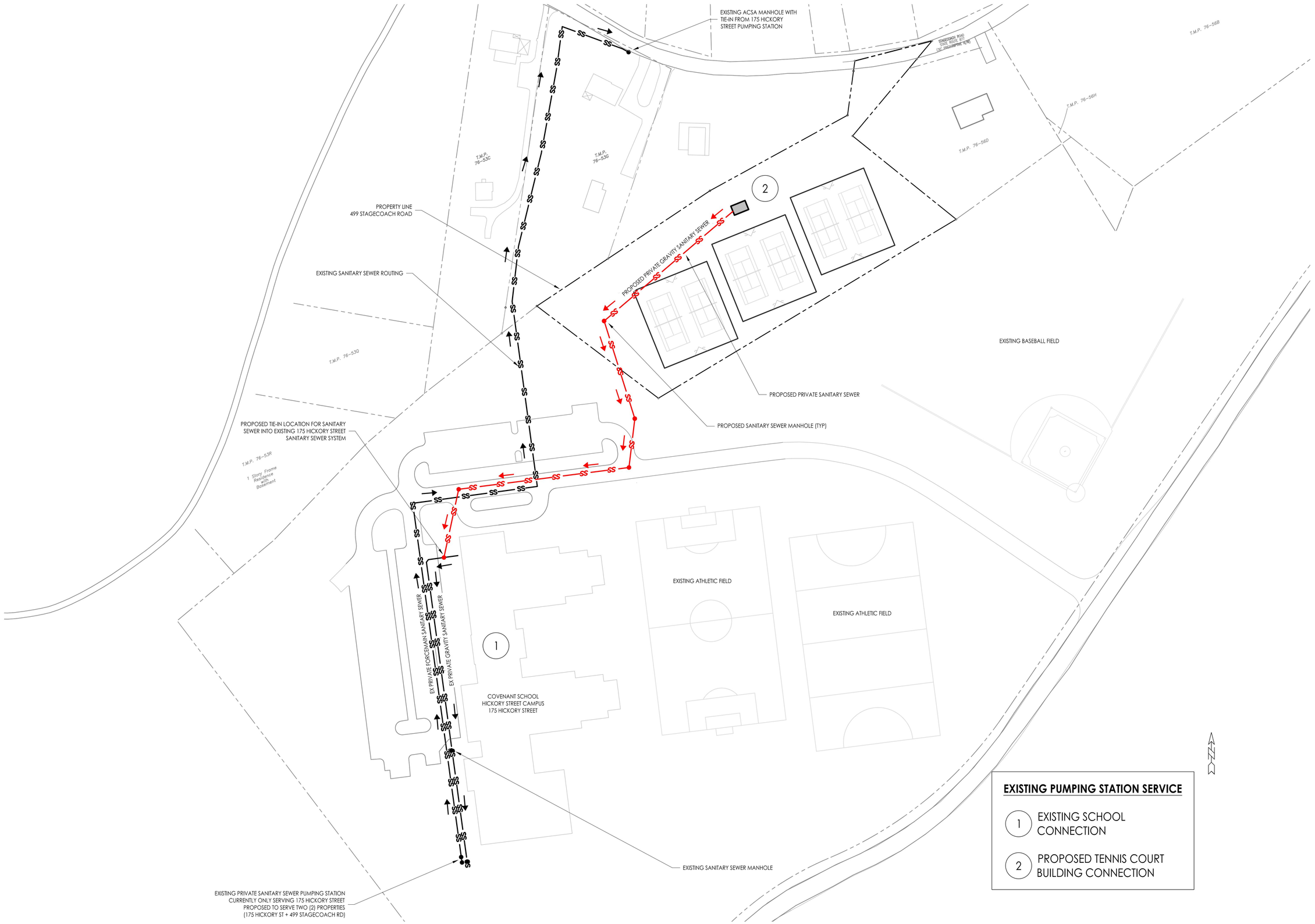
Revision: June 9, 2023

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Covenant School Hickory Campus Tennis Courts

Special Use Concept Plan

COUNTY OF ALBEMARLE, VIRGINIA

CONCEPT SANITARY SEWER PLAN

Job Number: 22080

Date: June 9, 2023

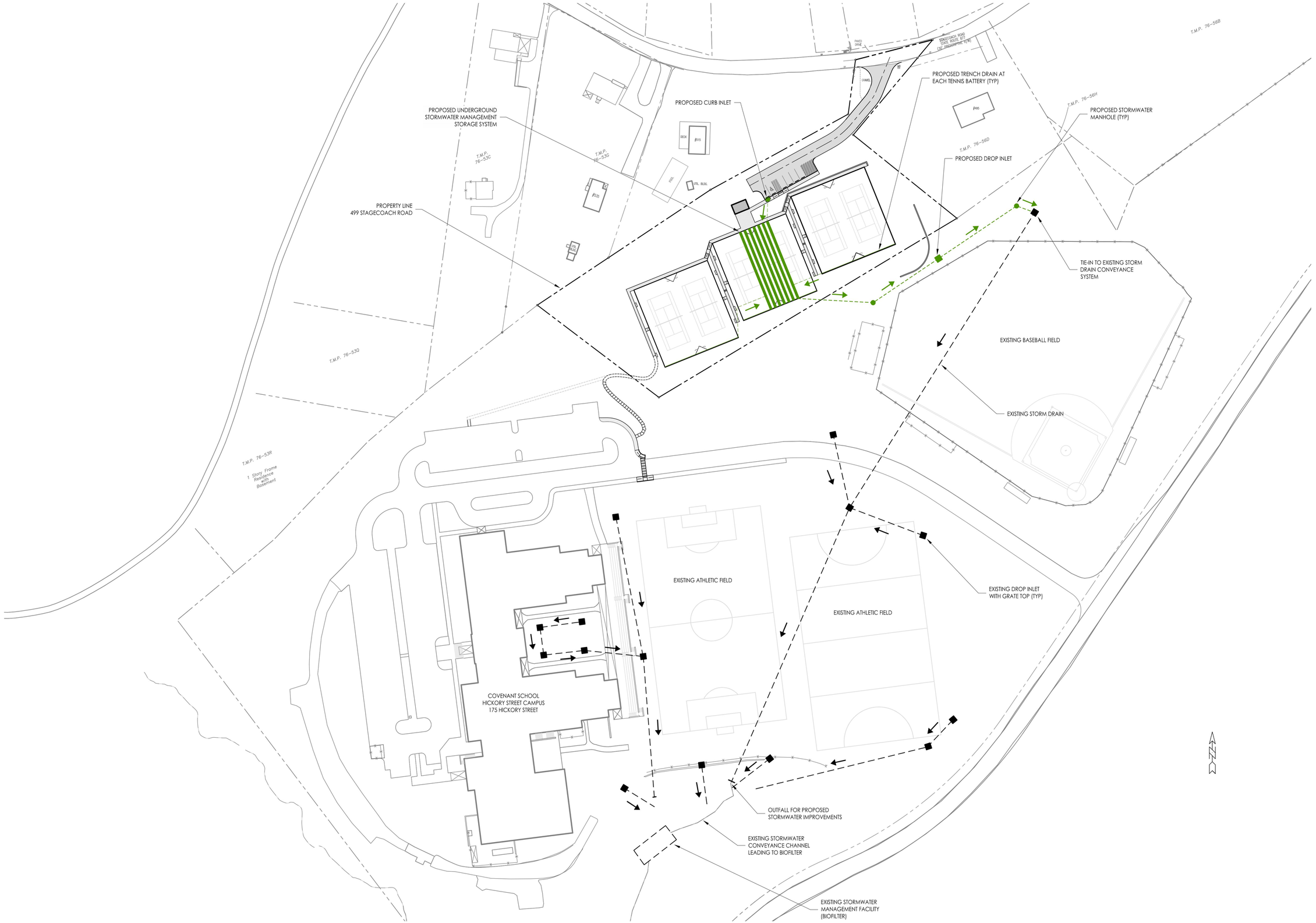
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C4.1

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Covenant School Hickory Campus Tennis Courts

Special Use Concept Plan

COUNTY OF ALBEMARLE, VIRGINIA

CONCEPT STORMWATER PLAN

Job Number: 22080

Date: June 9, 2023

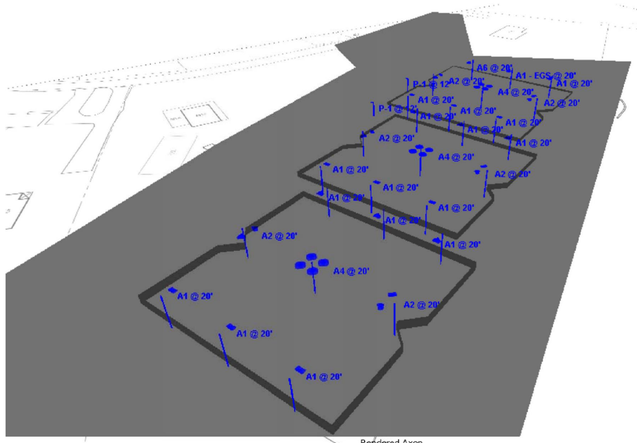
Revision:

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Sheet No.:

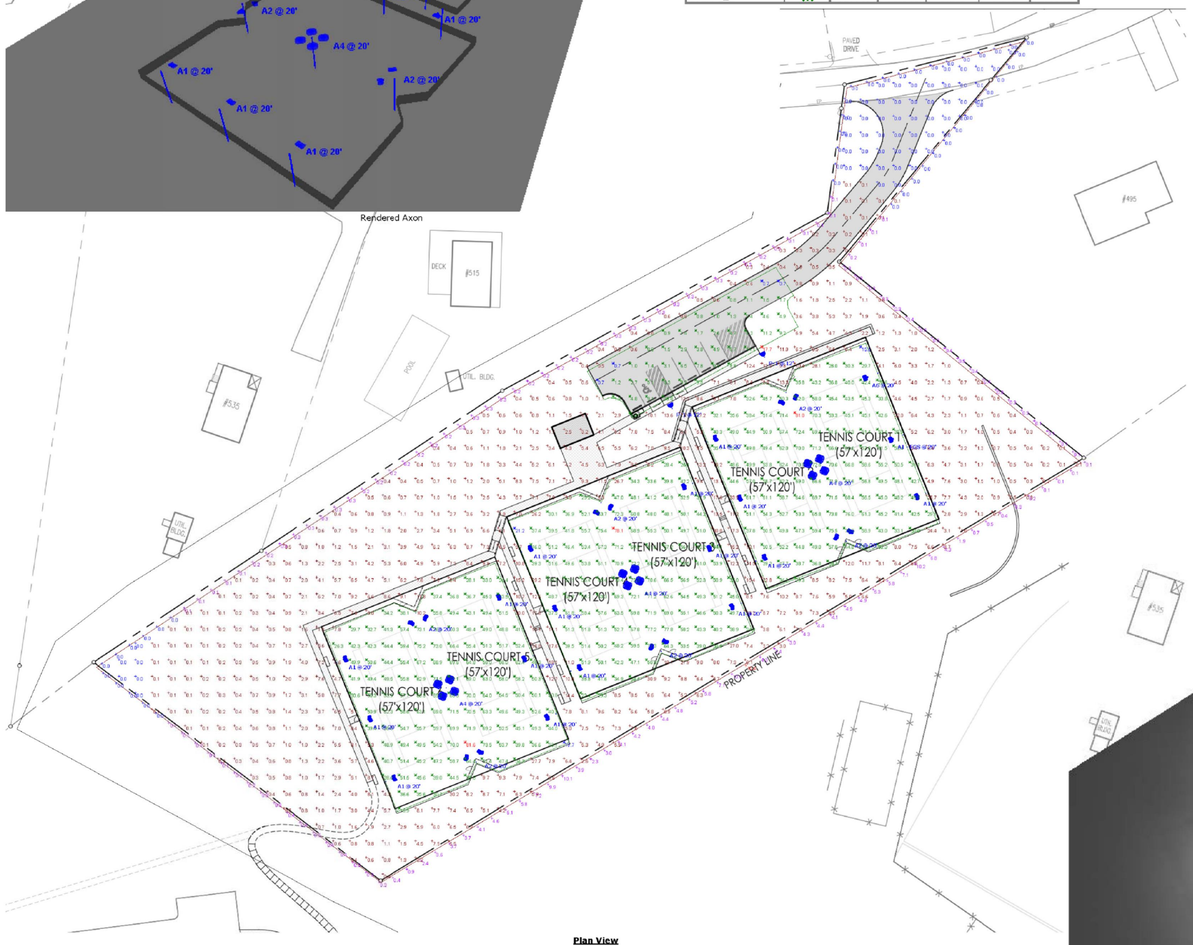
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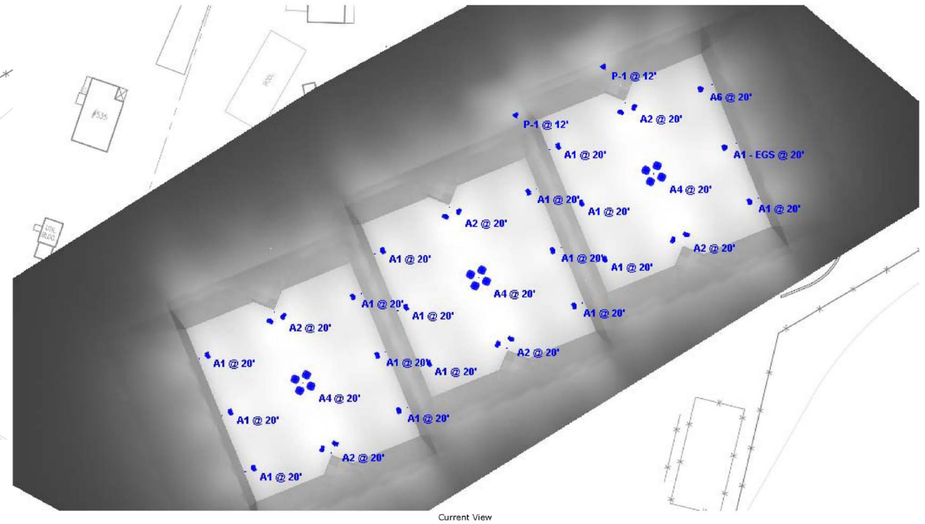
Rendered Axon

Statistics						
Description	Symbol	Avg	Max	Max/Min	Avg/Min	Min
Court 3_4	+	52.4 fc	78.1 fc	3.7:1	2.5:1	21.2 fc
Court 5_6	+	51.6 fc	81.6 fc	4.1:1	2.6:1	19.7 fc
Overall Property	+	20.7 fc	81.6 fc	N/A	N/A	0.0 fc
Parking Lot	+	4.8 fc	17.7 fc	25.3:1	6.9:1	0.7 fc
Property Boundary	+	1.3 fc	10.4 fc	N/A	N/A	0.0 fc
Court 1_2	+	51.4 fc	81.0 fc	5.2:1	3.3:1	15.6 fc



Plan View

Schedule												
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power	Polar Plot
	A1		16	Lithonia Lighting	RSX4 LED P6 30K R4	RSX Area Luminaire Size 4 P6 Lumen Package 3000K CCT Type R4 Distribution	1	63366	1	545.6631	Max: 37372cd
	A1 - EGS		1	Lithonia Lighting	RSX4 LED P6 30K R4 EGS	RSX Area Luminaire Size 4 P6 Lumen Package 3000K CCT Type R4 Distribution with EGS Shield	1	55070	1	545.6631	Max: 32450cd
	A2		6	Lithonia Lighting	RSX4 LED P6 30K R4	RSX Area Luminaire Size 4 P6 Lumen Package 3000K CCT Type R4 Distribution. (2) Fixtures at 90 Degrees on (1) pole	1	63366	1	1091.326	Max: 37372cd
	A4		3	Lithonia Lighting	RSX4 LED P6 30K R5	RSX Area Luminaire Size 4 P6 Lumen Package 3000K CCT Type R5 Distribution (4) Fixtures at 90 Degrees on (1) pole	1	64072	1	2182.652	Max: 24480cd
	A6		1	Lithonia Lighting	RSX4 LED P4 30K R4 EGS	RSX Area Luminaire Size 4 P4 Lumen Package 3000K CCT Type R4 Distribution with EGS Shield	1	44453	1	430.6189	Max: 26194cd
	P-1		2	Lithonia Lighting	RSX1 LED P2 30K R3S EGS	RSX Area Luminaire Size 1 P2 Lumen Package 3000K CCT Type R3S Distribution with EGS Shield	1	8988	1	72.9467	Max: 5943cd



Current View

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Covenant School Hickory Campus Tennis Courts

Special Use Concept Plan

COUNTY OF ALBEMARLE, VIRGINIA

SITE LIGHTING PLAN

Job Number: 22080

Date: February 20, 2023

Revision: June 9, 2023

Scale: As Noted

Sheet No.:

C5.0

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RSX4 LED
Area Luminaire

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA (ft²@0°): 0.69 ft² (0.07 m²)

Length: 30.9" (78.5 cm) (SPA mount)

Width: 25.0" (63.5 cm)

Height: 3.0" (7.6 cm) Main Body, 7.2" (18.4 cm) Arm

Weight (max): 65 lbs (29.5 kg)

Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX4 delivers 40,000 to 70,000 lumens allowing it to replace up to (2) 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX4 LED P6 40K R3 MVOLT SPA DDBXD

RSX4 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX4 LED	P1 Type 2 Wide P2 Type 3 Wide P3 Type 3 Short P4 Type 4 Wide P5 Type 4 Short P6 Type 5 Wide [1]	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide [1] R5S Type 5 Short [1] AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) [2] HVOLT (347V-480V) [2] XVOLT (277V-480V) [2] **(use specific voltage for options as noted)** 120 [3] 277 [3] 208 [3] 347 [3] 240 [3] 480 [3]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90° and 2 at 180°) RPA Round pole mounting (3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) ESPA Required for mounting RSX4 in 2,3,4 at 90° Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°. Requires 3.0" min. square pole for 1 @ 90°. [4] ERPA Required for mounting RSX4 in 2,3,4 at 90°. Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°. [4] MA Mast arm adapter (fits 2-3/8" OD horizontal tenon) TS Adjustable slipfitter (fits 2-3/8" OD tenons) [5] WBA Wall bracket [6] WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting [7] AARP Adjustable tilt arm round pole mounting [7] AAWB Adjustable tilt arm with wall bracket [8] AAWSC Adjustable tilt arm wall bracket and surface conduitbox [8]

Options		Finish
Shipped Installed	**Shipped Installed**	DDBXD Dark Bronze
HS House-side shield [9]	***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**	DBLXD Black
PE Photocontrol, button style [10]	NLTAIR2 nLight AIR generation 2 [11,12,13]	DNAXD Natural Aluminum
PER2 Seven-wire twist-lock receptacle only (no controls) [10,11,12]	PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) [11,12,14]	DWHXD White
SF Single fuse (120, 277, 347) [3]	BAA Buy American Act Compliant	DDBTXD Textured Dark Bronze
DF Double fuse (208, 240, 480) [3]	CCE Coastal Construction [15]	DBLBXD Textured Black
SPD20KV 20KV Surge pack (10KV standard)	***Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone dimming sensor with out -of box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.**	DNATXD Textured Natural Aluminum
FAO Field adjustable output [16]	**Shipped Separately (requires some field assembly)**	DWHGXD Textured White
DMG 0-10V dimming extend out back of housing for external control (control ordered separate) [17]	EGS External glare shield [9]	
DS Dual switching [18]	EGFV External glare full visor (360° around light aperture) [9]	
	BS Bird spikes [19]	

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Ordering Information

Accessories
Ordered and shipped separately.

RSX4HS U	RSX4 House-side shield (includes 4 shields)
RSX4EGAFRR U	RSX4 House-side shields for AFR rotated optics (includes 4 shields)
RSX4EGS U (FINISH) U	External glare shield (specify finish)
RSX4EGFV U (FINISH) U	External glare full visor (specify finish)
RSXRPA 3 PATADAPT U	RSX 3G round pole adaptor plate (specify finish)
RSXWBA U (FINISH) U	RSX WBA wall bracket (specify finish)
RSXSCB U (FINISH) U	RSX surface conduit box (specify finish, for use with WBA, WBASC not included)
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [3]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [3]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [3]
DSUBT SBK U	Shorting cap [3]

NOTES
1. Any Type 5 distribution, is not available with WBA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). HVOLT driver operates on any line voltage from 347-480V (50/60 Hz). XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). 10K SKUs are not available with fusing (DF or DF) and not available with PE or PER2.
3. Single Fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
4. Required for mounting RSX4 in configurations of 2, 3 and 4 at 90°.
5. Maximum tilt is 90° above horizontal.
6. Can be ordered as an accessory.
7. Requires MVOLT or 347V.
8. Only one of the following mounting options cannot be combined including PE, DMG, PER7, PER2, DS and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PER and DMG can be combined.)
9. Not available with sensor/control options that require a neutral, or with 3-wire operation or advanced control routes that provide 0-10V dimming signals. Wire 4/7Wire 3-wired to dimming leads on driver. 9/4wire/Wire7 clipped inside luminaire. Twistlock photocell ordered separately. Shorting Cap included. Ordered from Acuity Brands Controls. See accessories. Shorting Cap included.
10. For units with option PER7, the mounting must be restricted to +/- 45° from horizontal axis per ANSI C136.10-2010.
11. DS requires (2) separately switched circuits. DS provides 50/50 fixture operation. DS not available with PE, PER2, PIRHN. Dimmer/sensors, DS only available with packages P4, P5, P6, P7 and P8.
12. Must be ordered with PIRHN.
13. Must be ordered with NLTAIR2. For additional information on PIRHN and
14. Requires MVOLT or HVOLT.
15. Not available with NLTAIR2, NLTAIR-WBA, WBASC, AASP, AARP, EARM, AAWBSC, EGS, EGFV and BS.
16. Must be ordered with fixture for factory pre-drilling.
17. Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields



House Side Shield (HS)



External Glare Shield (EGS)



External 360 Full Visor (EGFV)

Pole/Mounting Informatiion

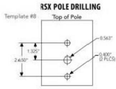
Accessories including bullhorns, cross arms and other adpaters are available on pages 5-8. For the complete line of accessories available, visit the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

HANDHOLE ORIENTATION



RSX POLE DRILLING

Template #8 Top of Pole



RSX STANDARD ARM, EXTENDED ARM AND ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
2 - 3/8"	RPA, ERPA, AARP	AST3-190	AST3-280	AST3-290	AST3-320	AST3-390	AST3-490
2 - 7/8"	RPA, ERPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, ERPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Retained Pole Cavity	Side B, C & D	Side B, C & D
#8	Drill Reference/Locator	DWH1WS	DWC3WS	DWC9WS	DWC2WS	DWC9WS	DWA9WS

RSX4 - Luminaire EPA

**Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.*

Fixture Quantity & Mounting Configurations		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	**Tilt**									
SPA - Square Pole Adapter		0.69	1.34	1.36	1.80	2.00	2.66	1.39	2.08	2.78
RPA - Round Pole Adapter		0.72	1.39	1.47	1.88	2.09	2.77	1.44	2.16	2.87
MA - Mast Arm Adapter	0°	0.66	1.28	1.20	1.69	1.87	2.31	1.32	1.98	2.64
ESPA/ERPA - Extended Arm Square/Round Pole		0.74	1.44	1.57	1.96	2.18	2.88	1.48	2.23	2.97
	0°	0.69	1.34	1.36	1.80	2.00	2.66	1.39	2.08	2.78
	10°	1.13	2.05	2.22	3.10	2.91	4.01	2.26	3.39	4.52
	20°	1.91	3.14	3.57	4.84	4.26	6.23	3.82	5.73	7.64
	30°	3.23	4.70	5.70	7.25	6.52	9.31	6.46	9.69	12.92
IS - Integral Slipfitter AARP/SAEP - Adjustable Arm Square/Round Pole	40°	4.71	6.04	7.96	9.37	9.04	12.04	9.42	14.13	18.84
	45°	5.46	6.72	9.18	10.47	10.31	13.40	10.92	16.38	21.84
	50°	5.58	7.29	9.51	11.46	10.93	14.56	11.16	16.74	22.32
	60°	5.81	8.50	10.35	13.44	12.45	16.89	11.62	17.43	23.24
	70°	6.13	9.29	10.98	14.92	13.50	18.57	12.26	18.39	24.52
	80°	6.28	9.88	11.47	15.86	14.22	19.72	12.56	18.84	25.12
	90°	6.43	10.17	11.78	16.26	14.56	20.33	12.86	19.29	25.72

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LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

Catalog Number

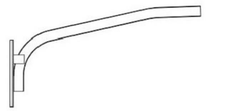
Notes

Type

Cantilever Arm

AMAC/SMAC

ALUMINUM (AMAC) OR STEEL (SMAC) CANTILEVER ARM



INTENDED USE — For metal, fiberglass or concrete poles. Not for use with existing concrete poles.

CONSTRUCTION —

Aluminum: Body is schedule 10 (T14) or schedule 40 (T20) aluminum pipe 6063-T6. Welding follows industry standards best practices.

Steel: Body is constructed from A500 Grade B steel tubing. Welding follows industry standards best practices. Bracket is galvanized (per ASTM A-123) or painted after fabrication.

FINISH — Extra durable standard powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to RAL Colors, Custom Colors, Extended Warranty Finishes, Hot-dipped Galvanized, Paint over Hot-dipped Galvanized for steel, Brushed Aluminum, and Anodized Dark Bronze, Anodized Natural Aluminum and Anodized Black for aluminum. Factory-applied primer paint finish is available for customer field-paint applications.

INSTALLATION — Mounting hardware to be provided by installer and is determined by the pole type and shaft size.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** AMAC T20 U54 5A

Series	Pipe size	Arm length	Finish [1]
AMAC	T14 1-2/3" O.D. (1-1/4" NPS)	U54 4' arm length	Super durable colors
SMAC	T20 2-3/8" O.D. (2" NPS)	U56 6' arm length [2]	DDBXD Dark bronze
		U58 8' arm length [2]	DBLXD Black
			DNAXD Natural aluminum
			DWHXD White
			DDBTXD Textured dark bronze
			DBLBXD Textured black
			DNATXD Textured natural aluminum
			DWHGXD Textured white
			Other finishes [3]
			BA Brushed aluminum
			SA Satin aluminum
			GALV Galvanized steel
			Class 1 architectural anodized
			ABL Black
			ADB Dark bronze
			ANA Natural
			Primer finish
			DPRM Red primer
			Architectural colors and special finishes
			Paint over galvanized, RAL colors, custom colors and extended warranty finishes available for steel. Duranodic anodize, paint over Duranodic anodize, RAL colors, custom colors and extended warranty finishes available for aluminum.

NOTES:
1. Not available with AMAC T14.
2. Finish must be specified. Additional colors available; see Architectural Colors brochure linked here (Form No. 794.3).
3. BA and SA for AMAC only. GALV for SMAC only.



RSX1 LED
Area Luminaire

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA (ft²@0°): 0.57 ft² (0.05 m²)

Length: 21.8" (55.4 cm) (SPA mount)

Width: 13.3" (33.8 cm)

Height: 3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm

Weight: (SPA mount): 22.0 lbs (10.0 kg)

Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1 Type 2 Wide P2 Type 3 Wide P3 Type 3 Short P4 Type 4 Wide P5 Type 4 Short P6 Type 5 Wide [1] P7 Type 5 Short [1]	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide [1] R5S Type 5 Short [1] AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT (120V-277V) [2] HVOLT (347V-480V) [2] XVOLT (277V-480V) [2] **(use specific voltage for options as noted)** 120 [3] 277 [3] 208 [3] 347 [3] 240 [3] 480 [3]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 2 at 180°) RPA Round pole mounting (2.7" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adapter (fits 2-3/8" OD horizontal tenon) TS Adjustable slipfitter (fits 2-3/8" OD tenons) [4] WBA Wall bracket [5] WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting [6] AARP Adjustable tilt arm round pole mounting [6] AAWB Adjustable tilt arm with wall bracket [7] AAWSC Adjustable tilt arm wall bracket and surface conduit box [8]

Options		Finish
Shipped Installed	**Shipped Installed**	DDBXD Dark Bronze
HS House-side shield [9]	***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**	DBLXD Black
PE Photocontrol, button style [10]	NLTAIR2 nLight AIR generation 2 [11,12,13]	DNAXD Natural Aluminum
PER2 Seven-wire twist-lock receptacle only (no controls) [10,11,12]	PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) [11,12,14]	DWHXD White
CE34 Conduit entry 3/4" NPT (Qty 2)	BAA Buy American Act Compliant	DDBTXD Textured Dark Bronze
SF Single fuse (120, 277, 347) [3]	***Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.**	DBLBXD Textured Black
DF Double fuse (208, 240, 480) [3]	**Shipped Separately (requires some field assembly)**	DNATXD Textured Natural Aluminum
SPD20KV 20KV Surge pack (10KV standard)	EGS External glare shield [9]	DWHGXD Textured White
FAO Field adjustable output [15]	EGFV External glare full visor (360° around light aperture) [9]	
DMG 0-10V dimming extend out back of housing for external control (control ordered separate) [16]	BS Bird spikes [17]	

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LITHONIA LIGHTING®

FEATURES & SPECIFICATIONS

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION —

Pole Shaft: The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

Handhole: A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

Base Cover: A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolts: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets SAE and SB classifications of ASTM D1359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without hardening fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claims for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lith onia Lighting is not responsible for the foundation design.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE Actual performance may differ as a result of end-user environment and application.
Specifications subject to change without notice.

Catalog Number

Notes

Type

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA



SSS Square Straight Steel Poles

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** SSS 20 5C DM19 DDBXD

Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness [1]	Mounting [2]		Options	Finish [14]
SSS	10'-39' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) See technical information table for complete ordering information.)	4C 4" Sq. (0.120") 4G 4" Sq. (0.179") 5C 5" Sq. (0.120") 5G 5" Sq. (0.179") 6G 6" Sq. (0.179") See technical information table for complete ordering information.)	Tenon mounting PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) RAD/RADSS/RSSF/RSWF/RVF Drill mounting [3] DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° CSA/DSA/RSA/AERO™/POWERO™/ HLA/KAX Drill mounting [4] DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90° RAD drill mounting [3] DM19RAD 1 at 90° DM28RAD 2 at 180° DM29RAD 2 at 90° DM39RAD 3 at 90° DM49RAD 4 at 90° ESX Drill mounting [3] DM19ESX 1 at 90° DM28ESX 2 at 180° DM29ESX 2 at 90° DM39ESX 3 at 90° DM49ESX 4 at 90°	AERO™ Suspend drill mounting [4] DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° OMERO™ Suspend drill mounting [4] DM19AMT_ 1 at 90° DM28AMT_ 2 at 180° DM29AMT_ 2 at 90° DM39AMT_ 3 at 90° DM49AMT_ 4 at 90°	Shipped installed VD Vibration damper [5] HAxy Horizontal arm bracket (1 factory) [6,8] FOLxy Festoon outlet less electrical [7,9] CPL12/xy 1/2" coupling [8] CPL34/xy 3/4" coupling [8] CPL1/xy 1" coupling [8] NPL12/xy 1/2" threaded nipple [8] NPL34/xy 3/4" threaded nipple [8] NPL1/xy 1" threaded nipple [8] EHHxy Extra handhole [8,9] STLHHC Steel handhole cover (standard is plastic, finish is smooth) STLFBC2PC 2 Piece steel base cover (standard is plastic) IC Interior coating [10] LJAB Less anchor bolts (include when anchor bolts are not needed) TP Tamper resistant handhole cover fasteners NEC NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL UL listed with label (Includes NEC compliant cover) BAA Buy America(n) Act Compliant [11]	Super durable paint colors DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DGCXD Charcoal gray DTGXD Tennis green DBRXD Bright red DSBXD Steel blue DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white Other finishes GALV Galvanized finish Architectural colors and special finishes Paint over Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes available.

NOTES:
1. Handhole cover: (HHC), full base covers: (FBC) and top caps (TC) shipped separately. No need to call out in nomenclature. For additional parts please order as replacements.
2. Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" - 0.120" | "G" - 0.179".
3. PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28T20. The combination includes a required extra handhole.
4. Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.
5. All RAD drillings require a minimum top O.D. of 4".
6. Insert "1" or "2" in drop-in fixture size; e.g. DM19AST2.
7. On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's totalheight.
   Example: Pole height is 25ft, A provision cannot be placed above 16ft.
8. Specify location and orientation when ordering option.
   For "A": Specify the height above the base of pole in feet or feet and inches, separate feet and inches with a "-".
   Example: 5ft = 5 and 20ft 3in = 20-3
   For "xy": Specify orientation from handhole (A,B,C,D). Refer to the Handhole Orientation diagram below.
   Example: 1/2" coupling at 5 ft 3", orientation C = CPL12/5-3C
9. Horizontal arm is 10" x 2-3/8" O.D. tenon standard, with radius curve providing 12" rise and 2-3/8" O.D. if ordering two horizontal arm at the same height, specify with HAxyy. *Example: HA20BD*
10. FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
11. Combination of tenon-top and drill mount includes extra handhole. DIM includes cover.
12. Provides enhanced corrosion resistance.
13. Use where mill certifications are required.
14. Finish must be specified. Additional colors available; see Architectural Colors brochure linked here (Form No. 794.3). Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: *Order as separate catalog number.*	
PLUGT20	Plug for ESX drillings
PLUGT8	Plug for DMxxAS drillings.

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Covenant School Hickory Campus Tennis Courts

Special Use Concept Plan

COUNTY OF ALBEMARLE, VIRGINIA

SITE LIGHTING DETAILS

Job Number: 22080

Date: February 20, 2023

Revision: June 9, 2023

Scale: As Noted

Sheet No.: C5.1

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PLANTING SCHEDULE

SYMBOL	SPECIES	QTY.	SIZE / NOTES
	QUERCUS PHELLOS (WILLOW OAK)	4	B&B, AS SHOWN, 3" CAL.
	TSUGA CANADENSIS (HEMLOCK)	1	B&B, 10'-12' HT
	MAGNOLIA GRANDIFOLIA (SOUTHERN MAGNOLIA) 'BRACKEN'S BROWN BEAUTY'	11	B&B, 10'-12' HT; 14' O.C. ALT: 'CLAUDIA WANAMAKER' OR 'DD BLANCHARD'
	THUJA STANDISHII X PLICATA (ARBORVITAE) 'GREEN GIANT'	34	B&B, 12'-14' HT; 10' O.C.
	FOTHERGILLA GARDENII (DWARF FOTHERGILLA)	3	B&B, 18" HT
	EXISTING EVERGREEN TREE ONLY TREES 6" CALIPER OR LARGER ARE ILLUSTRATED	-	SIZE AND TYPE OF EX. TREES MARKED
	EXISTING DECIDUOUS TREE ONLY TREES 6" CALIPER OR LARGER ARE ILLUSTRATED	-	SIZE AND TYPE OF EX. TREES MARKED

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Covenant School Hickory Campus Tennis Courts

Special Use Concept Plan

COUNTY OF ALBEMARLE, VIRGINIA

LANDSCAPE PLAN

Job Number: 22080

Date: June 9, 2023

Revision:

Scale: 1" = 30'

Sheet No.:

L1.0

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