DEVELOPMENT PLAN REPORT

Planning
KNOXVILLE | KNOX COUNTY

FILE #: 6-C-26-DP **AGENDA ITEM #: 26**

AGENDA DATE: 6/11/2026

APPLICANT:	**IAN JAY**
OWNER(S):	Nature's Best Organics of TN LLC / Brian Development, LLC
TAX ID NUMBER:	76 009, 00901 089 044, 089 193 **View map on KGIS**
JURISDICTION:	County Commission District 6
STREET ADDRESS:	0 JOE DANIELS RD (8703, 8707 JOE DANIELS RD; 0 W EMORY RD)
LOCATION:	**North side of Joe Daniels Rd, east and north of Oak Ridge Hwy**
APPX. SIZE OF TRACT:	**193.69 acres**
GROWTH POLICY PLAN:	Rural Area
ACCESSIBILITY:	Access is via Joe Daniels Road, a local street with a pavement width which varies between 15 ft and 28 ft within an undefined right-of-way width.
UTILITIES:	Water Source: West Knox Utility District
	Sewer Source: West Knox Utility District
FIRE DISTRICT:	Karns Fire Department
WATERSHED:	Beaver Creek, Clinch River
ZONING:	**PR(k) (Planned Residential) with conditions, up to 3 du/ac**
PLACE TYPE:	RL (Rural Living), HP (Hillside Ridgetop Protection)
EXISTING LAND USE:	**Commercial, Agriculture/Forestry/Vacant Land, Office**
PROPOSED USE:	**Multi-dwelling and commercial development**
HISTORY OF ZONING:	The majority of the property was rezoned from A (Agricultural) to PC (Planned Commercial) in the 1980's and rezoned back to A in pieces in the 1990's and early 2000's. Two small portions of the property were rezoned to CR (Rural Commercial) in 2012 (4-C-12-RZ). The property was rezoned from A, CR, and PC to PR(k). (Planned Residential with conditions) up to 3 du/ac in 2023 (11-I-23-RZ)
SURROUNDING LAND USE AND ZONING:	North: Railroad Right-of-way, rural residential - A (Agricultural), PC (Planned Commercial)
	South: Agriculture/forestry/vacant land, single family residential, rural residential, commercial, transportation/communications/utilities - A (Agricultural), PR (Planned Residential), I (Industrial)
	East: Agriculture/forestry/vacant land, rural residential - PR(k) (Planned Residential) up to 2.2 du/ac with conditions, A (Agricultural)
	West: Industrial, agriculture/forestry/vacant land - PC (Planned Commercial), A (Agricultural), CB (Business and Manufacturing)
NEIGHBORHOOD CONTEXT:	This area is comprised of industrial and residential uses interspersed between large swaths of forested land. Industrial uses include mulching and

landscaping, warehousing and shipping, and auto scrapping operations. Residential uses include single family dwellings on large rural lots and small suburban lots.

STAFF RECOMMENDATION:

Postpone for 30 days to the July 9, 2026 Planning Commission meeting, as requested by the applicant.

COMMENTS:

This request is for a mixed residential and commercial development with 482 multi-family dwelling units, 96 townhouses, and 21,100 sqft of commercial.

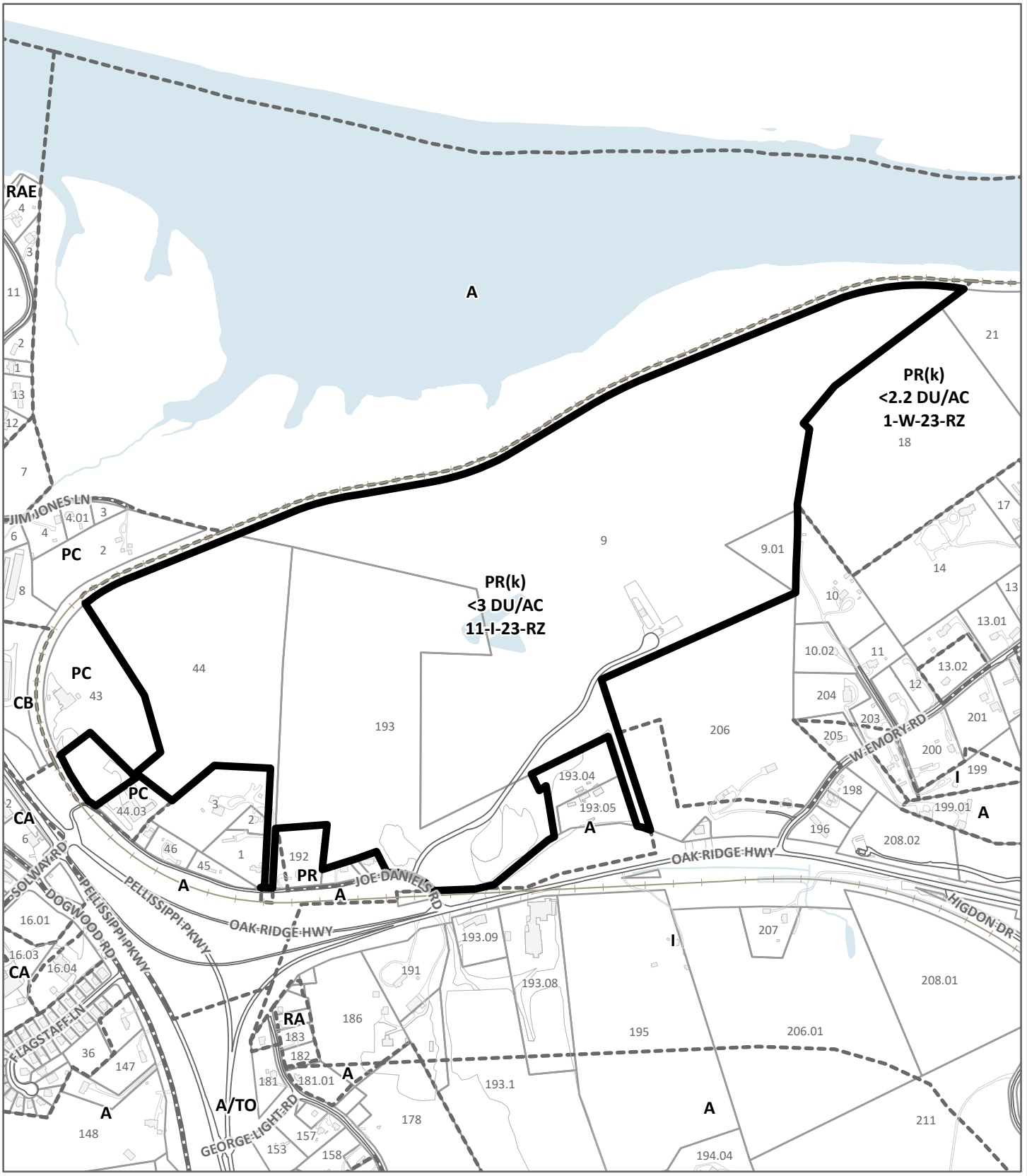
ESTIMATED TRAFFIC IMPACT: A traffic impact study was prepared by the applicant. The findings of that study were used in formulating the recommendations of this staff report.

ESTIMATED STUDENT YIELD: 50 (public school children, grades K-12)

Schools affected by this proposal: Mill Creek Elementary, Hardin Valley Middle, and Karns High.

- Potential new school population is estimated using locally-derived data on public school student yield generated by new housing.
- Students are assigned to schools based on current attendance zones as determined by Knox County Schools. Students may request transfers to different zones, and zone boundaries are subject to change.
- Estimates presume full build-out of the proposed development. Build-out is subject to market forces, and timing varies widely from proposal to proposal.
- Student yields from new development do not reflect a net addition of children in schools. Additions occur incrementally over the build-out period. New students may replace current population that ages through the system or moves from the attendance zone.

The Planning Commission's approval or denial of this request is final, unless the action is appealed. For more information on the appeal process, contact Knoxville-Knox County Planning.



DEVELOPMENT PLAN **6-C-26-DP**

Petitioner: Ian Jay

Multi-dwelling and commercial development in PR(k) (Planned Residential), <3 DU/AC

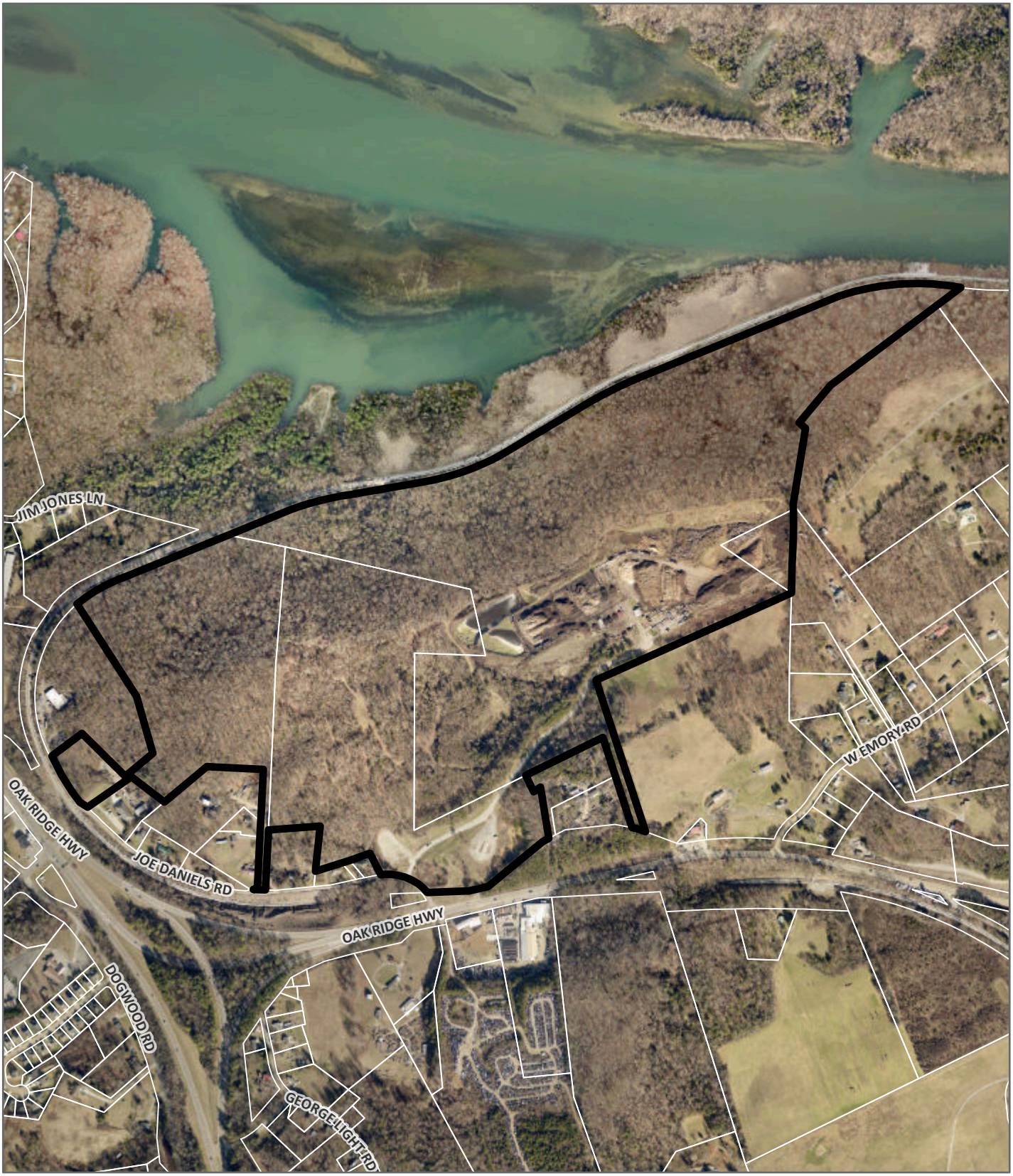
Map No: 76
Jurisdiction: County

0 870
Feet

Original Print Date: 4/29/2026

*Knoxville - Knox County Planning Commission * City / County Building * Knoxville, TN 37902*

Exhibit A. Contextual Images



AERIAL MAP

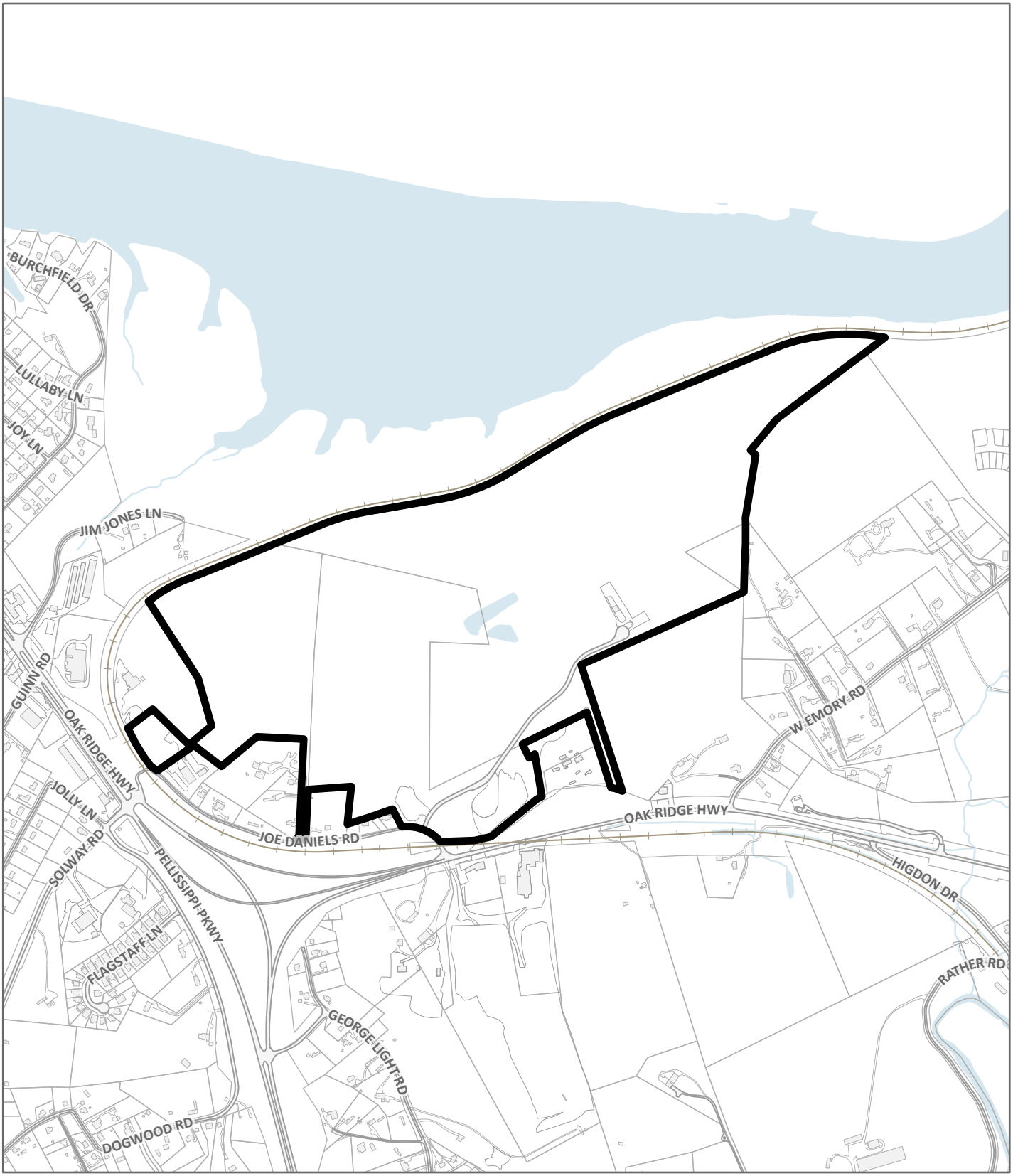
Case boundary

0 860

Feet

N

Exhibit A. Contextual Images



LOCATION MAP **6-C-26-DP**

Case boundary

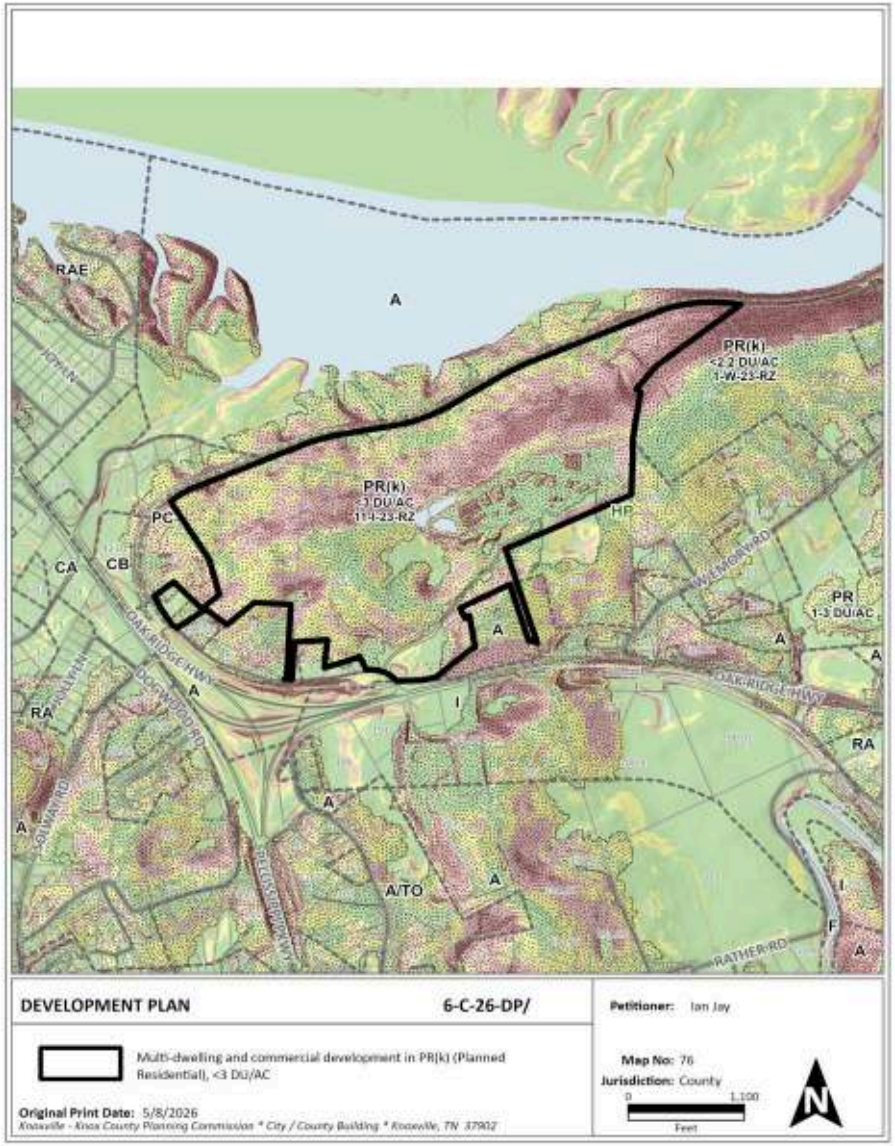
0 1,100

Feet

N

Staff - Slope Analysis
Case: 6-C-26-DP

CATEGORY	ACRES	RECOMMENDED DISTURBANCE BUDGET (Percent)	DISTURBANCE AREA (Acres)
Total Area of Site	**195.79**		
Non-Hillside	14.49	N/A	
0-15% Slope	38.79	100%	38.79
15-25% Slope	49.23	50%	24.62
25-40% Slope	60.37	20%	12.07
Greater than 40% Slope	32.90	10%	3.29
Ridgetops			
Hillside Protection (HP) Area	181.29	Recommended disturbance budget within HP Area (acres)	**78.77**
		Percent of HP Area	**43.5%**



Building A Elevation

Building B Elevation

*Images are intended for conceptual design purposes only. Final design and material configurations are subject to change as project develops and commercial building uses are determined.

A Concept Plan for

Horizon View / Knoxville, TN

April 23, 2026

Building C Elevation

Building D Elevation

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A Concept Plan for

Horizon View / Knoxville, TN

April 23, 2026

Townhouse Building Elevation

Garage Building Elevation

Leasing Office Building Elevation

0' 8' 16' 24' 40'

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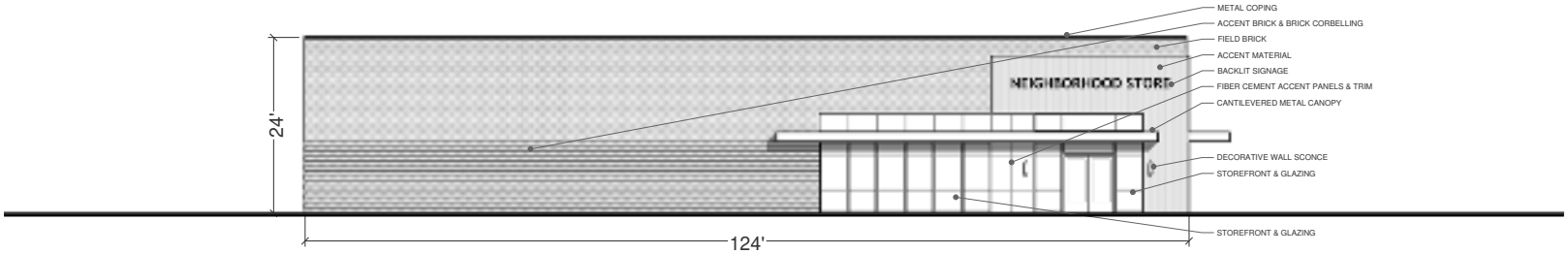
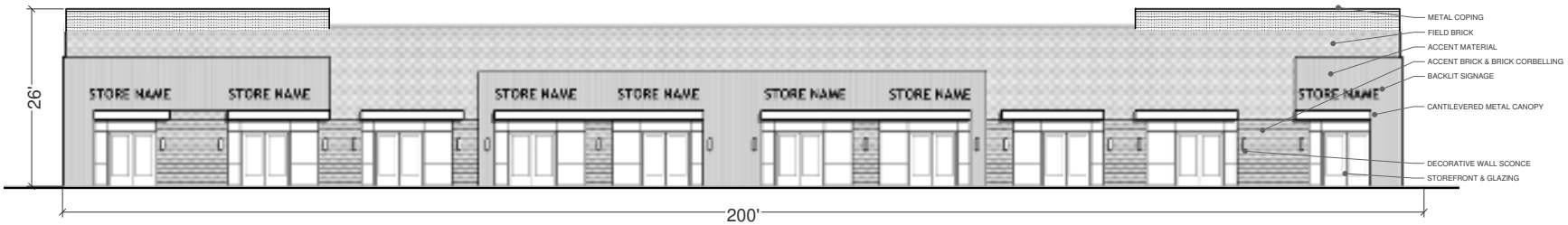
A Concept Plan for

Horizon View / Knoxville, TN

April 23, 2026



Commercial Building 1 Elevation



Commercial Building 2 Elevation

0' 8' 16' 24' 40'

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A Concept Plan for

Horizon View / Knoxville, TN

April 23, 2026

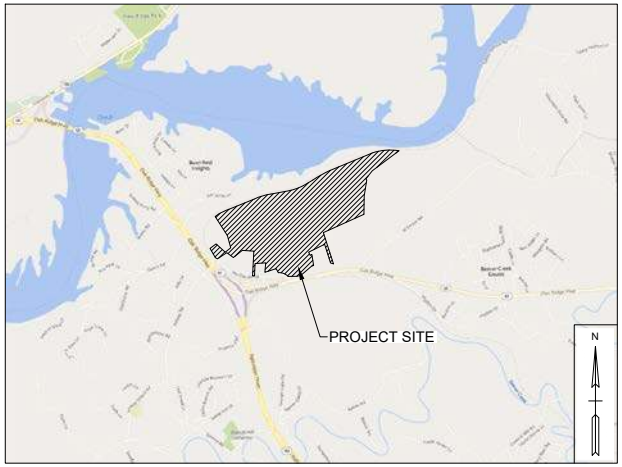
DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

CONTACTS

DEVELOPER: TBG SOLWAY
8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931
(865) 927-7647
CONTACT: SIDNEY BRIAN

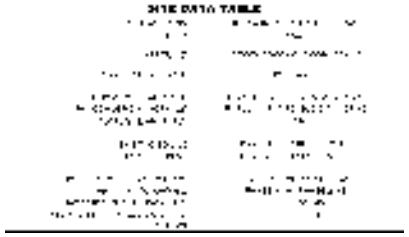
DESIGN PROFESSIONAL: BARGE DESIGN SOLUTIONS
615 3RD AVENUE SOUTH
SUITE 700
NASHVILLE, TN 37210
(615) 254-1500
CONTACT: IAN JAY, PE

ARCHITECT: LEWIS GROUP ARCHITECTS
611 KING STREET
SUITE 500
KNOXVILLE, TN 37917
CONTACT: CRAIG LEWIS



VICINITY MAP
NOT TO SCALE

INDEX OF DRAWINGS



BARGE DESIGN SOLUTIONS
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Phone (865) 637-2810 // Fax (865) 673-8554

6-C-26-DP
Revised: 5/26/2026

FEMA NOTE
THIS PARCEL IS LOCATED IN A FLOOD HAZARD AREA ZONE "AE" ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP NO. 47189C0134E, DATED MAY 9, 2023. FEMA FLOODWAY AND ZONE "AE" LINES ARE SHOWN ON THE PLANS. NO PARTS OF THE RELEVANT AREA TO BE DEVELOPED ARE LOCATED IN A FLOOD HAZARD AREA.

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FILE #: 6-C-26-DP

COVER SHEET

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REVISION INFORMATION

REV	DR	CHK	DATE	DESCRIPTION
				DEVELOPMENT PLAN

C0.00

FILE NO. 37122-78

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FILE:F:\37\122\37122-78\04_CAD\CIVIL\1_Plots\37122-78_C0.00.dwg
SAVED:5/26/2026
PLOTTED:5/26/2026

LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	S86°25'43"W	305.96'
L2	N06°37'03"E	234.34'
L3	N05°56'47"E	41.45'
L4	S73°00'07"W	168.10'
L5	S72°46'45"W	50.84'
L6	S71°00'44"W	131.12'
L7	N26°20'21"W	140.29'
L8	N83°56'05"W	174.92'
L9	N54°35'45"W	172.05'
L10	S84°03'44"W	329.58'
L11	S53°45'42"W	466.75'
L12	S64°44'56"W	36.99'
L13	S06°20'36"E	334.16'
L14	N63°10'08"E	57.06'
L15	S25°58'39"E	101.16'
L16	S63°26'30"W	529.17'
L17	N17°04'37"W	86.45'
L18	N17°05'24"W	489.51'
L19	N77°20'39"W	57.72'
L20	S17°05'52"E	520.90'

LINE TABLE		
LINE #	DIRECTION	LENGTH
L21	S17°40'33"E	424.53'
L22	S66°03'05"W	1300.87'
L23	S01°44'53"W	180.82'
L24	S03°12'01"W	66.47'
L25	S03°46'06"W	113.02'
L26	S01°31'19"W	72.61'
L27	S00°16'40"W	115.93'
L28	S03°12'26"E	71.75'
L29	S00°28'44"W	58.22'
L30	S03°23'02"W	308.23'
L31	S59°41'47"W	37.11'
L32	S51°05'27"E	23.66'
L33	S39°07'54"W	309.57'
L34	S54°32'10"W	814.14'
L35	S54°30'09"W	219.96'
L36	S80°14'07"E	229.37'
L37	N85°34'58"E	364.75'
L38	N72°54'58"E	272.49'
L39	N67°44'58"E	1185.89'
L40	N63°29'58"E	469.07'

LINE TABLE		
LINE #	DIRECTION	LENGTH
L41	N58°17'58"E	436.06'
L42	N66°22'58"E	484.32'
L43	N78°13'58"E	166.97'
L44	N80°01'58"E	369.07'
L45	N74°56'58"E	540.93'
L46	N67°57'58"E	288.44'
L47	S77°47'14"E	334.92'
L48	N05°10'55"E	711.14'
L49	N02°29'07"E	1019.18'
L50	S77°22'49"E	767.69'
L51	S76°14'21"E	410.80'
L52	S11°59'08"E	402.53'
L53	N88°14'23"W	430.12'
L54	S01°50'39"W	1098.51'
L55	S38°41'09"W	328.42'
L56	N64°16'35"E	516.59'
L57	N63°28'07"E	198.26'
L58	S63°28'07"W	80.15'
L59	N17°02'38"W	297.23'
L60	S64°53'20"W	254.71'

LINE TABLE		
LINE #	DIRECTION	LENGTH
L61	S27°56'35"E	299.57'
L62	N14°55'43"W	116.56'
L63	N02°59'17"E	379.24'
L64	N87°47'19"W	74.03'
L65	N02°57'42"E	297.16'
L66	N02°54'33"E	93.22'
L67	N02°36'33"E	49.58'
L68	N02°54'32"E	270.02'
L69	N87°03'20"W	344.32'
L70	S50°09'28"W	338.25'
L71	N52°43'19"W	255.24'
L72	S55°13'39"W	20.08'
L73	S55°13'39"W	304.52'
L74	N57°03'26"W	57.25'
L75	N52°45'04"E	229.02'
L76	S45°21'43"E	372.93'
L77	N50°10'00"E	217.97'
L78	N15°51'39"W	362.13'
L79	N32°48'28"W	672.91'
L80	N68°16'32"E	775.66'

SHEET C0.22

SHEET C0.23

SURVEY CONTROL #104
CP IRN RCD CAP
N: 604733.92
E: 2647717
ELEV: 1032.48

SURVEY CONTROL #1
CP PK
N: 5044204.66
E: 2669024.59
ELEV: 1015.71

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STATE OF TENNESSEE

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FILE #: 6-C-26-DP

OVERALL EXISTING CONDITIONS

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE / TN 37931

REV	DRN	CHK	REVISION INFORMATION
			DESCRIPTION
			DATE
			DEVELOPMENT PLAN

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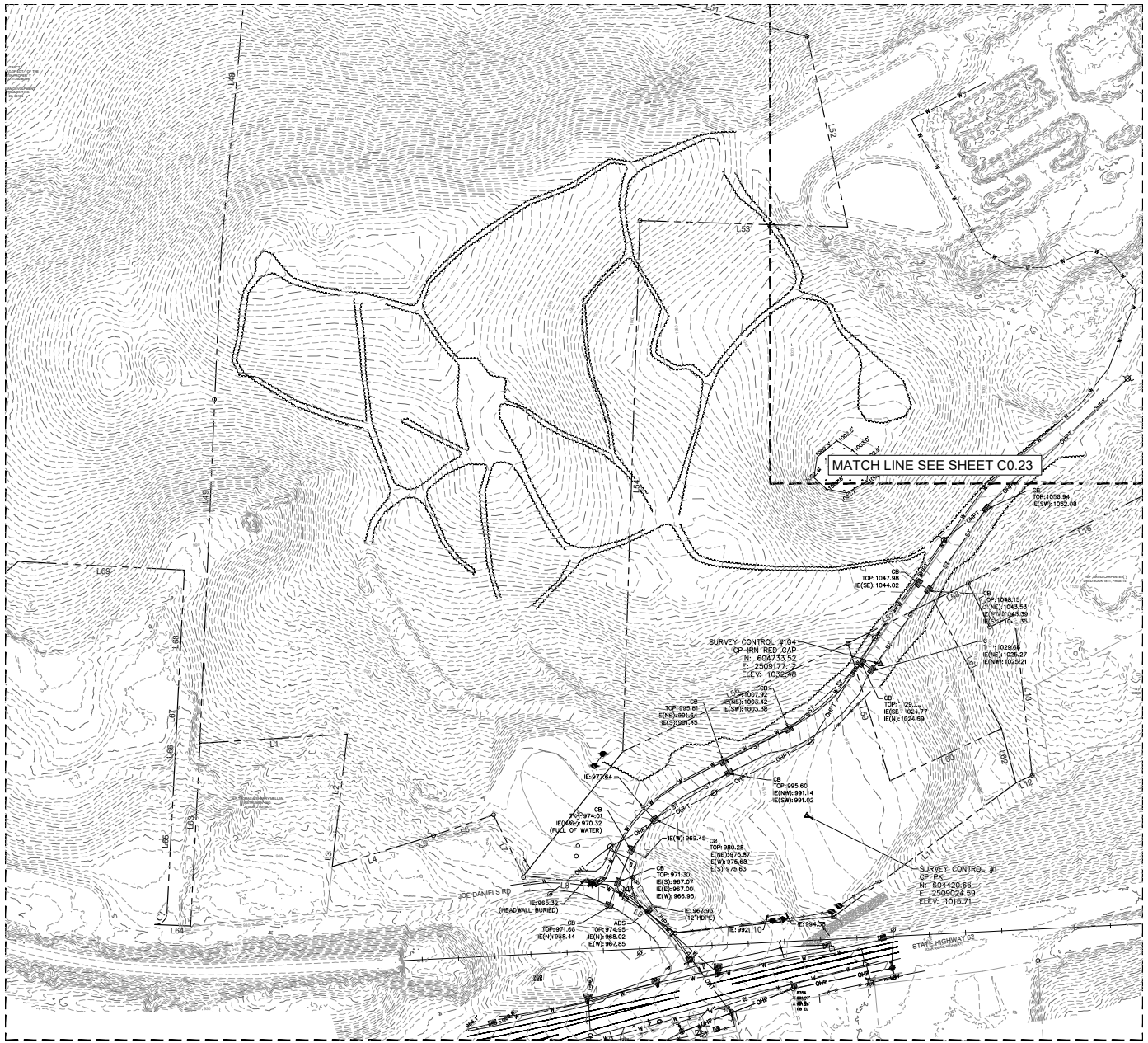

EXISTING LEGEND

- POWER/TEL POLE
- FIRE HYDRANT
- SIGN
- WV WATER VALVE
- WM WATER METER
- CB CATCH BASIN
- ADS AREA DRAIN SQUARE
- ADR AREA DRAIN ROUND
- SANITARY MANHOLE
- EDGE OF WOODS
- FENCE
- SA — UNDERGROUND SANITARY SEWER
- ST — UNDERGROUND STORM SEWER
- W — UNDERGROUND WATERLINE
- UGP — UNDERGROUND POWER
- UGT — UNDERGROUND TELEPHONE
- G — UNDERGROUND GASLINE
- OHPT — OVERHEAD POWER/TELEPHONE LINE
- PROPERTY LINE
- IR — IRRIGATION LINE
- 790 / 791 — EXISTING CONTOURS

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EXISTING CONDITIONS

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE - TN 37931

REV	DRN	CHK	DATE	DESCRIPTION
				REVISION PER MTA TECH
				DEVELOPMENT PLAN

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PLOTTED:2/6/2026

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- FIRE HYDRANT
- SIGN
- WV — WV WATER VALVE
- WM — WM WATER METER
- CB CATCH BASIN
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EXISTING CONDITIONS

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE / TN 37931

REV	DRN	CHK	REVISION INFORMATION DESCRIPTION	DATE
			DEVELOPMENT PLAN	02/26/26

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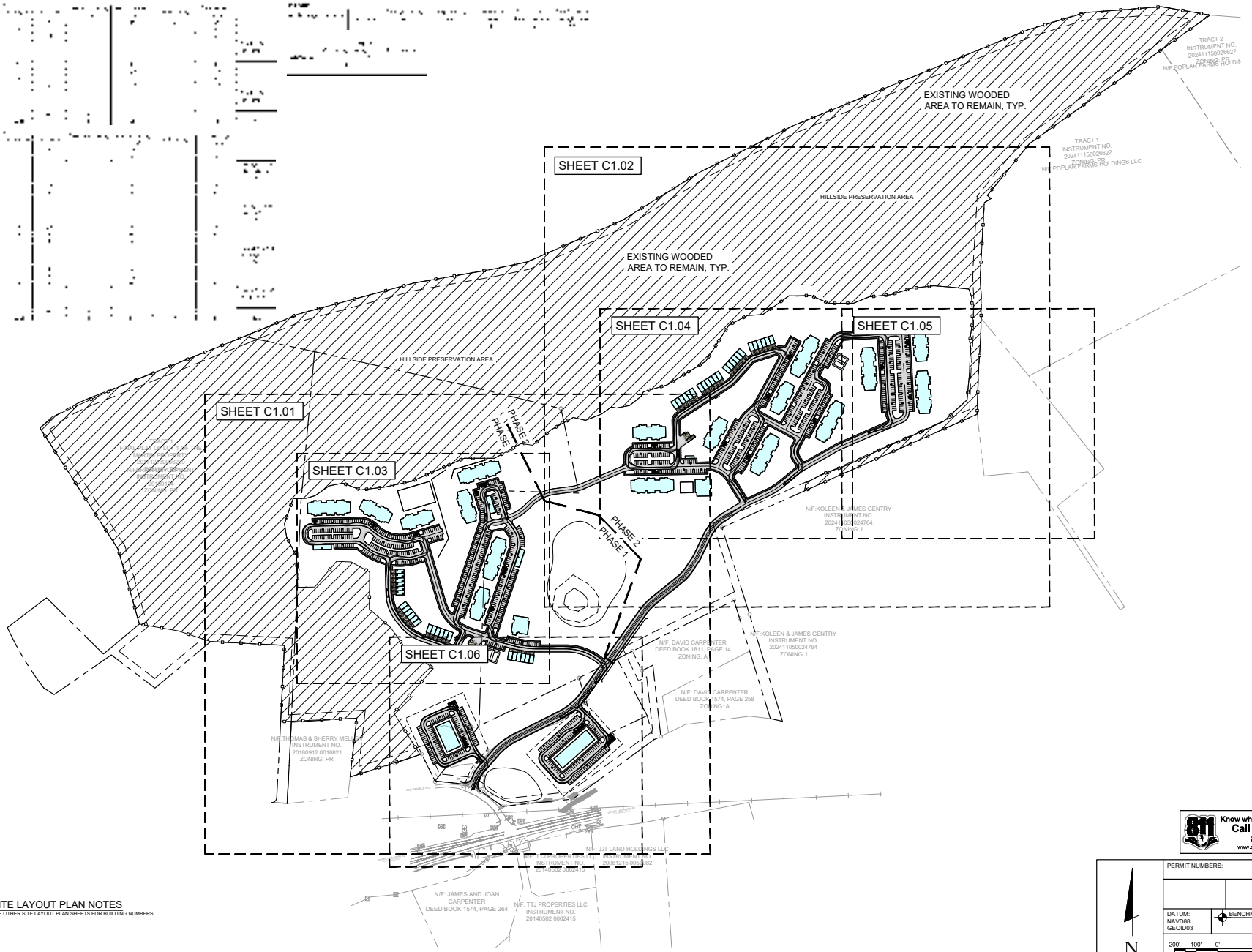
UNIT AND PARKING SUMMARY TABLES



SITE LAYOUT PLAN NOTES

SEE OTHER SITE LAYOUT PLAN SHEETS FOR BUILDING NUMBERS.

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FILE #: 6-C-26-DP

OVERALL SITE LAYOUT PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37921

REV	DRN	CHK	DATE	DESCRIPTION
				REVISION INFORMATION

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SCALE: 1 INCH = 200 FEET

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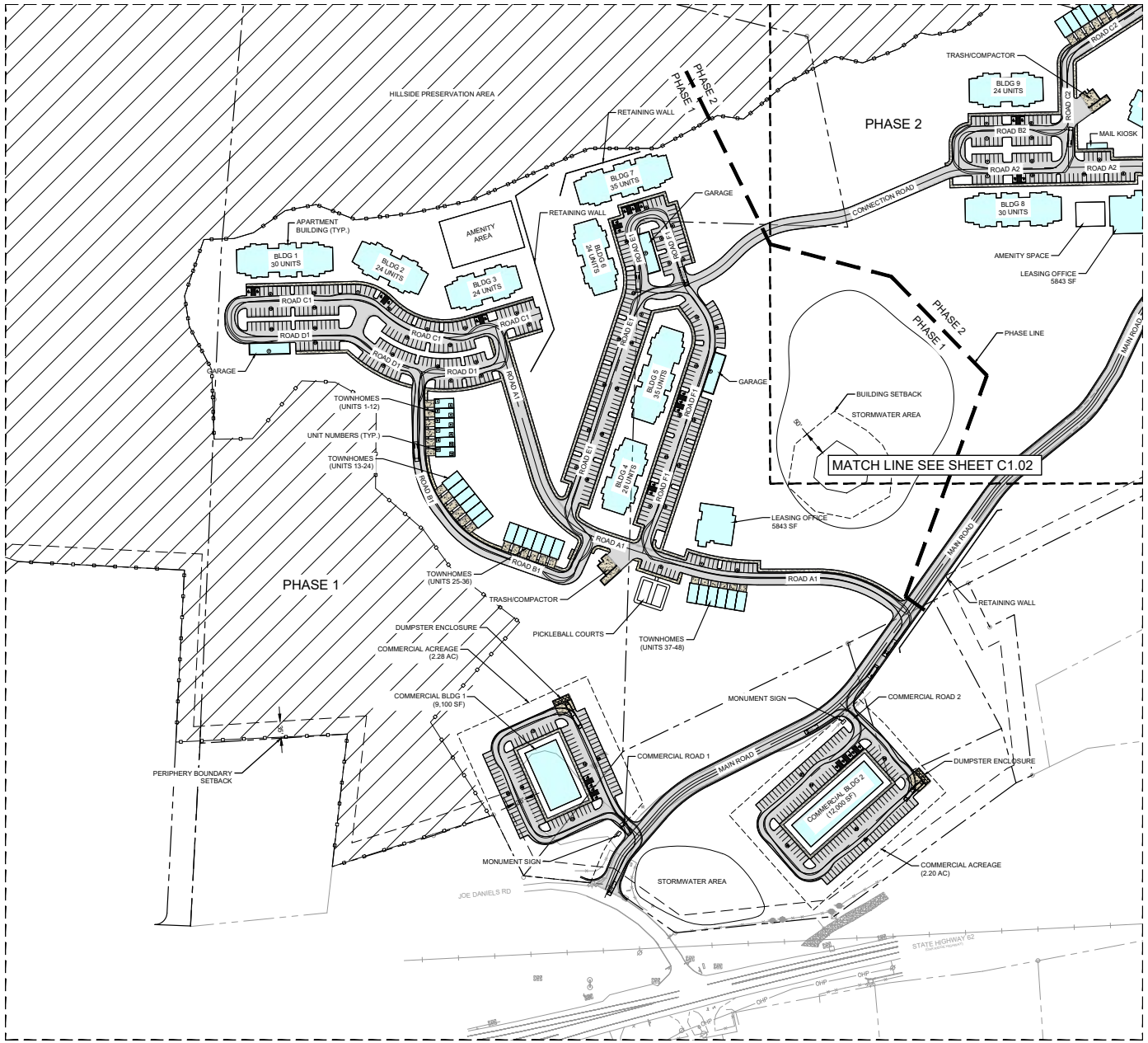

LEGEND

- CONCRETE SIDEWALK
- HEAVY-DUTY CONCRETE
- ASPHALT PAVEMENT
- PROPOSED BUILDING
- PROTECT EXISTING TREES
- TREE PROTECTION FENCING
- PHASE LINE
- SETBACK LINE
- OVERALL PROPERTY BOUNDARY
- EXISTING PROPERTY LINE

BUILDING SETBACK REQUIREMENTS

PLANNING COMMISSION MAY NOT REQUIRE A SETBACK GREATER THAN TH RTY-FIVE FEET (PER PR ZONE)

SIGNAGE STANDARDS

ALL SIGNAGE TO FOLLOW CN ZONE STANDARDS

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PHASE 1 OVERALL SITE LAYOUT PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE / TN 37931

REV	DRN	CHK	REVISION / NO / DATE / DESCRIPTION
			REVISION / NO / DATE / DESCRIPTION

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PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

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100' 50' 0' 100' 200'
SCALE: 1 INCH = 100 FEET

C1.01

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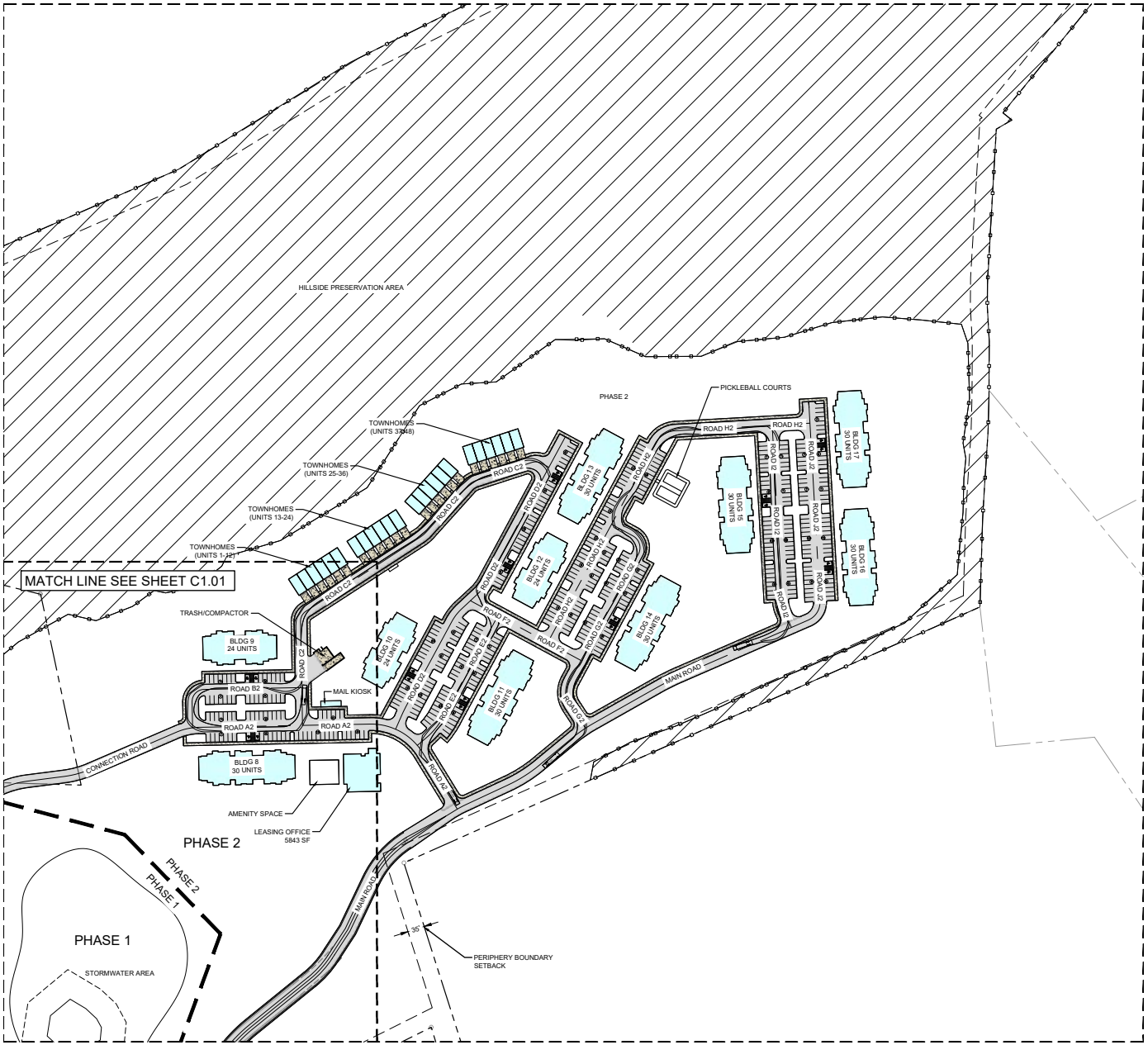
PLOTTED:2/26/2026



LEGEND

- CONCRETE SIDEWALK
- HEAVY-DUTY CONCRETE
- ASPHALT PAVEMENT
- PROPOSED BUILDING
- PROTECT EXISTING TREES
- TREE PROTECTION FENCING
- PHASE LINE
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- EXISTING PROPERTY LINE

BUILDING SETBACK REQUIREMENTS

PLANNING COMMISSION MAY NOT REQUIRE A SETBACK GREATER THAN TH RTY-FIVE FEET (PER PR ZONE)

SIGNAGE STANDARDS

ALL SIGNAGE TO FOLLOW CN ZONE STANDARDS

Know what's below Call before you dig. 811 www.call811.com

N

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

100' 50' 0' 100' 200'

SCALE: 1 INCH = 100 FEET

REV | DR | CHK | DATE | REVISION DESCRIPTION

BARGE DESIGN SOLUTIONS

5201 Veal Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-8554

SCOTT BERGER
STATE OF TENNESSEE

FOR PLANNING COMMISSION APPROVAL ONLY. NOT TO BE USED FOR CONSTRUCTION.

FILE #: 6-C-26-DP

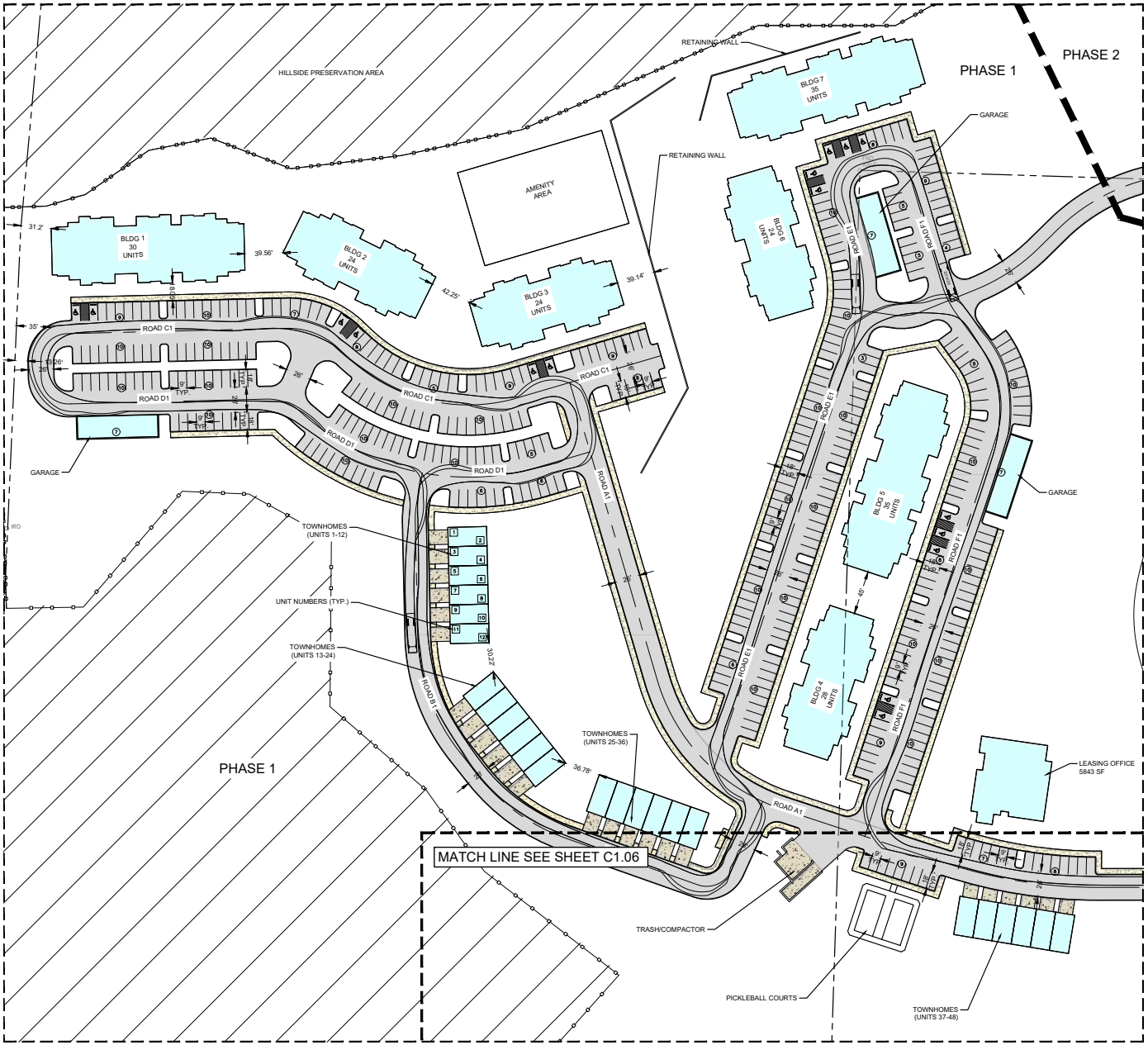
PHASE 2 OVERALL SITE LAYOUT PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

C1.02

FILE NO. 37122-78

USER:KMDANIEL
FILE:P:\37\37122\37122-78\04_CAD\CIVIL\1_Pck\37122-78_C1.01.dwg
PLOT DATE:2/26/2026
PLOTTED:2/26/2026



LEGEND

- CONCRETE SIDEWALK
- HEAVY-DUTY CONCRETE
- ASPHALT PAVEMENT
- PROPOSED BUILDING
- PROTECT EXISTING TREES
- TREE PROTECTION FENCING
- PHASE LINE
- SETBACK LINE
- OVERALL PROPERTY BOUNDARY
- EXISTING PROPERTY LINE

BUILDING SETBACK REQUIREMENTS

PLANNING COMMISSION MAY NOT REQUIRE A SETBACK GREATER THAN TH RTY-FIVE FEET (PER PR ZONE)

SIGNAGE STANDARDS

ALL SIGNAGE TO FOLLOW CN ZONE STANDARDS

BARGE DESIGN SOLUTIONS
5201 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-8554

SCOTT BERKLEY
STATE OF TENNESSEE

FOR PLANNING COMMISSION APPROVAL ONLY. NOT TO BE USED FOR CONSTRUCTION.

FILE #: 6-C-26-DP

ENLARGED SITE LAYOUT PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37921

REV	DR	CHK	REVISION INFORMATION DESCRIPTION	DATE
			ENLARGED SITE LAYOUT PLAN	

Know what's below Call before you dig. 811 www.call811.com

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

N

50' 25' 0' 50' 100'
SCALE: 1 INCH = 50 FEET

C1.03

FILE NO. 37122-78

USER:KMDANIEL
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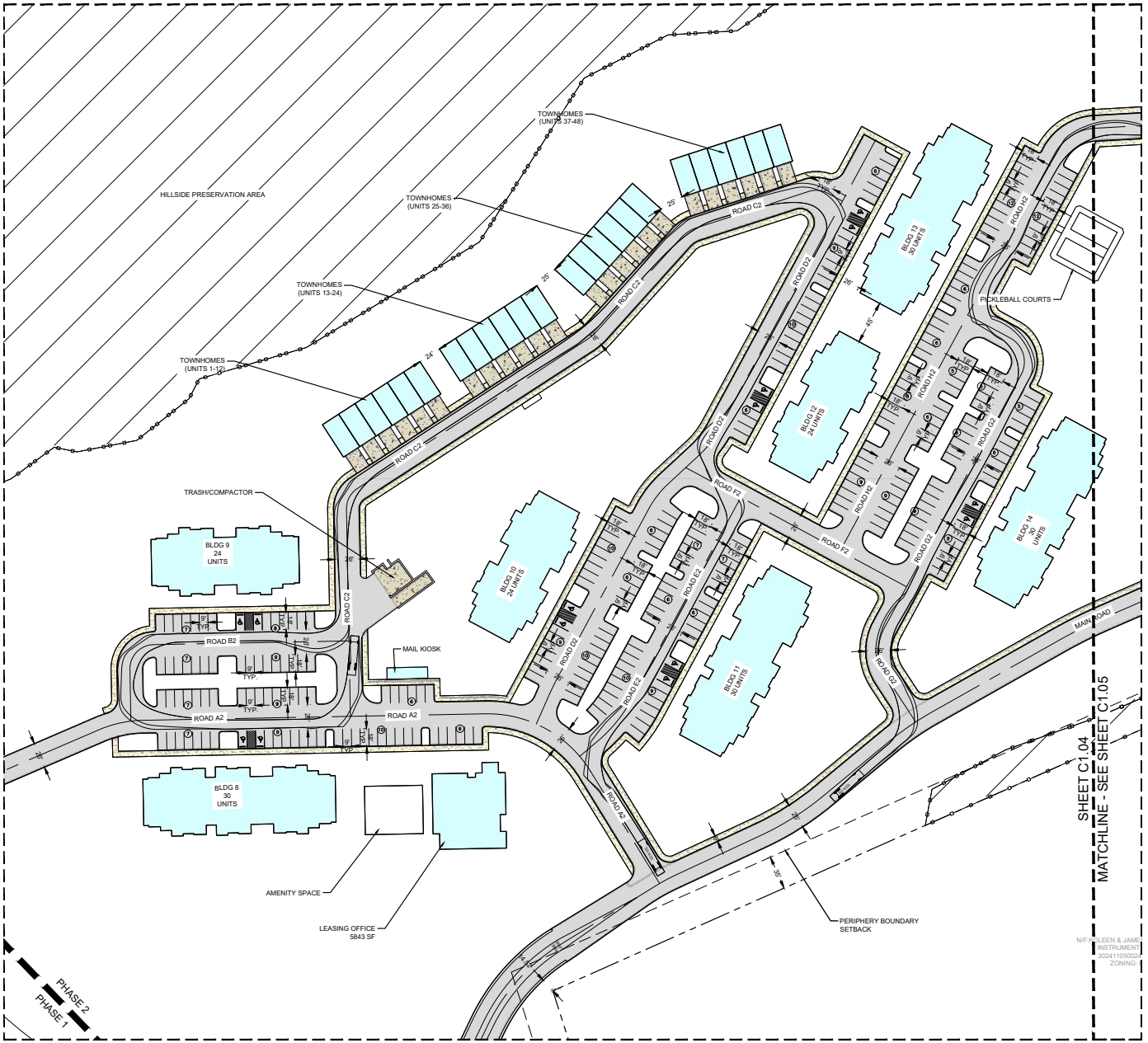
SAVED:4/2/2026
PLOTTED:4/2/2026



LEGEND

- CONCRETE SIDEWALK
- HEAVY-DUTY CONCRETE
- ASPHALT PAVEMENT
- PROPOSED BUILDING
- PROTECT EXISTING TREES
- TREE PROTECTION FENCING
- PHASE LINE
- SETBACK LINE
- OVERALL PROPERTY BOUNDARY
- EXISTING PROPERTY LINE

BUILDING SETBACK REQUIREMENTS

PLANNING COMMISSION MAY NOT REQUIRE A SETBACK GREATER THAN THIRTY-FIVE FEET (PER PR ZONE)

SIGNAGE STANDARDS

ALL SIGNAGE TO FOLLOW CN ZONE STANDARDS

BARGE DESIGN SOLUTIONS
5291 Hillsdale Boulevard Suite 202 Sacramento, California 95842
PHONE (916) 520-1000

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FILE #: 6-C-26-DP

ENLARGED SITE LAYOUT PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37921

REV	DRN	CHK	REVISION INFORMATION DESCRIPTION DATE

Know what's below Call before you dig. 811 www.call811.com

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

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50' 25' 0' 50' 100'
SCALE: 1 INCH = 50 FEET

C1.04

FILE NO. 37122-78

USER:KMDANIEL
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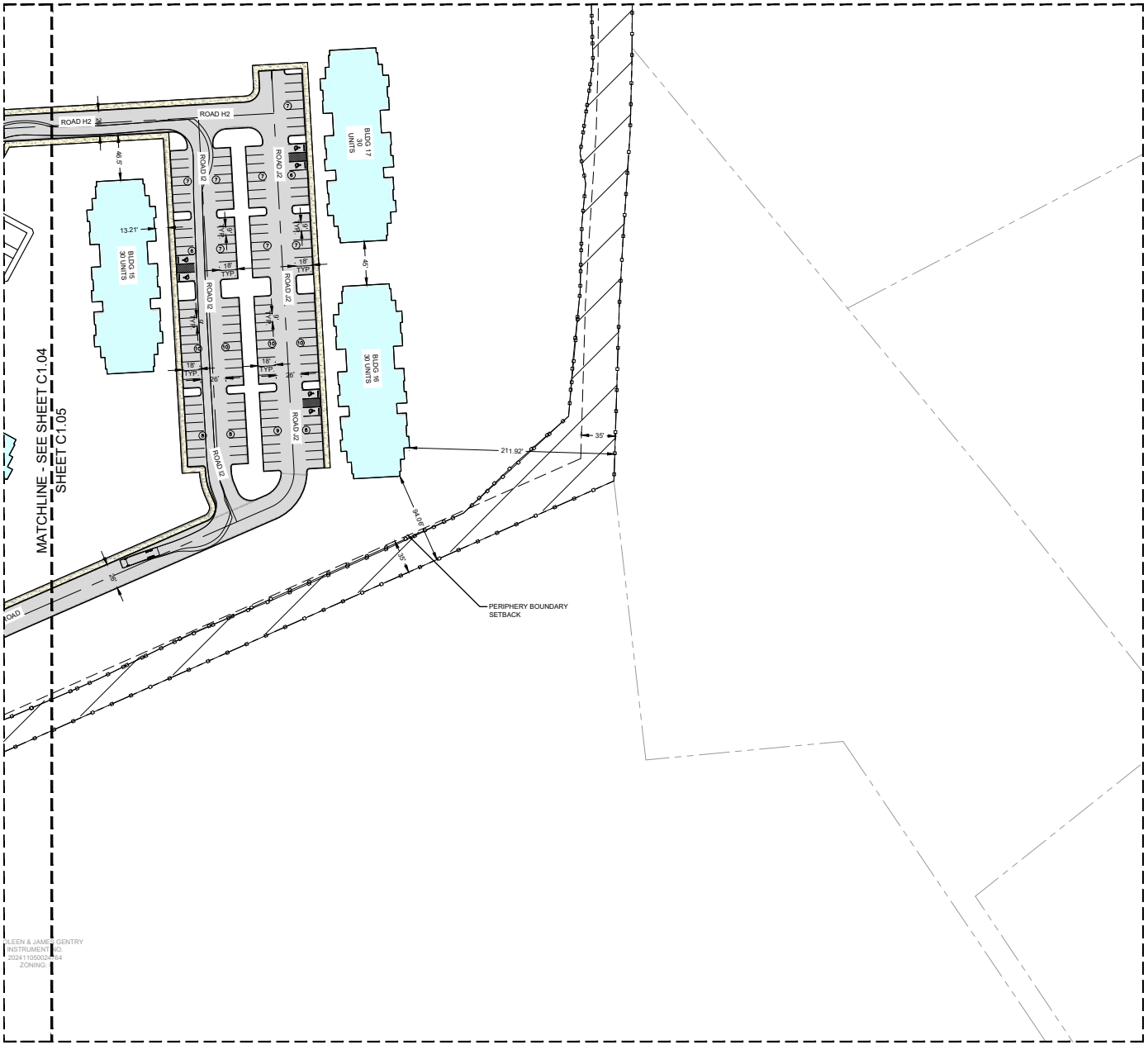

LEGEND

- CONCRETE SIDEWALK
- HEAVY-DUTY CONCRETE
- ASPHALT PAVEMENT
- PROPOSED BUILDING
- PROTECT EXISTING TREES
- TREE PROTECTION FENCING
- PHASE LINE
- SETBACK LINE
- OVERALL PROPERTY BOUNDARY
- EXISTING PROPERTY LINE

BUILDING SETBACK REQUIREMENTS

PLANNING COMMISSION MAY NOT REQUIRE A SETBACK GREATER THAN THIRTY-FIVE FEET (PER PR ZONE)

SIGNAGE STANDARDS

ALL SIGNAGE TO FOLLOW CN ZONE STANDARDS

KATHLEEN & JAMES GENTRY
INSTRUMENT NO.
202411050024764
ZONING

Know what's **below**
Call before you dig.
811
www.call811.com

N

PERMIT NUMBERS:

DATUM:
NAVD88
GEOID03

BENCHMARK:

50' 25' 0' 50' 100'
SCALE: 1 INCH = 50 FEET

BARGE DESIGN SOLUTIONS
5201 Invest Summit Drive / Suite 1202 / Knoxville, Tennessee 37902
PHONE (865) 637-2811 / FAX (865) 673-8554

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FILE #: 6-C-26-DP

ENLARGED SITE LAYOUT PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37921

REV	DR.	CHK	DATE	DESCRIPTION
				REVISION PER PLANS REVIEW
				DEVELOPMENT PLAN

C1.05
FILE NO. 37122-78

USER:KMDANIEL
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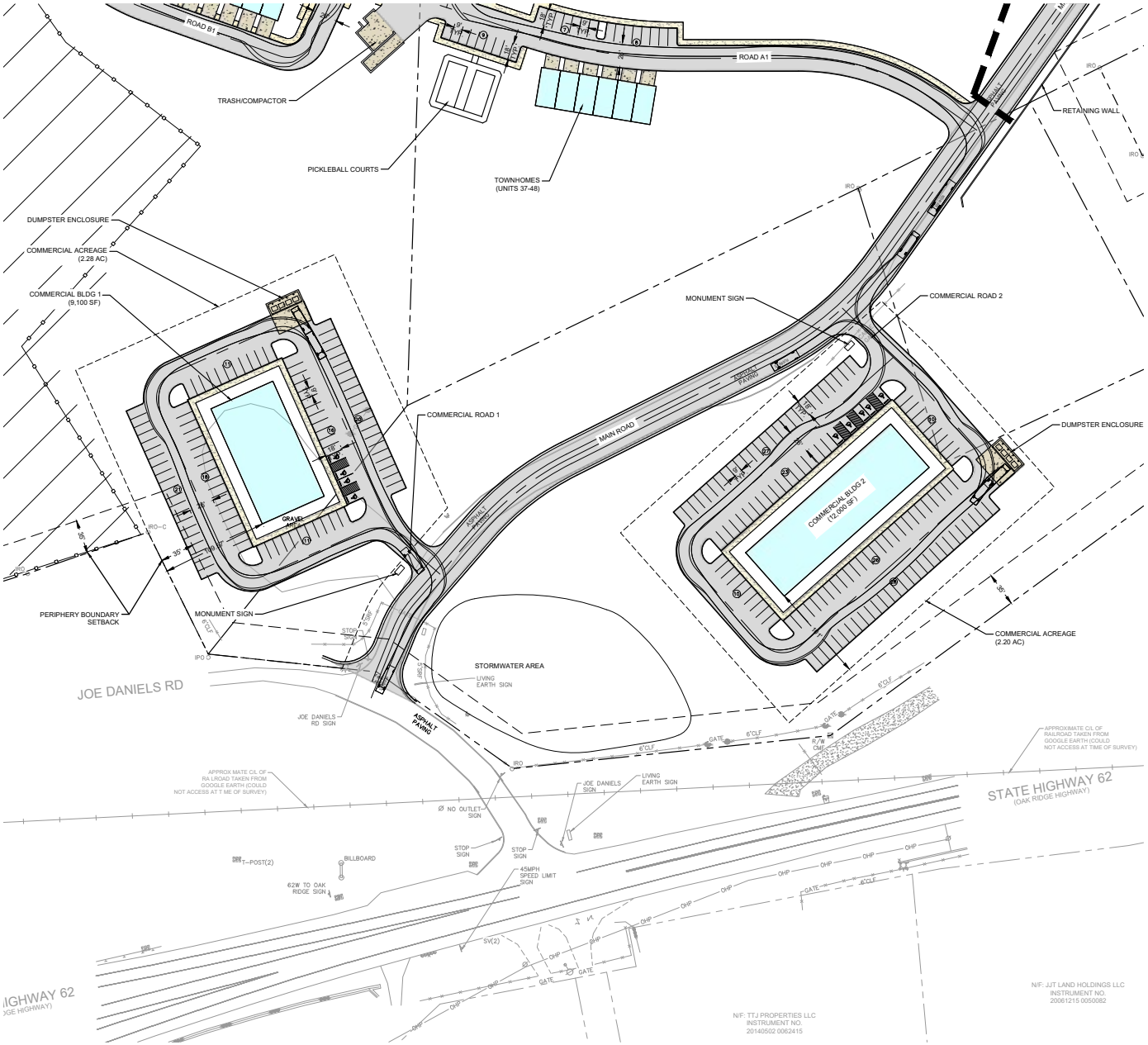
PLOTTED:4/2/2026



LEGEND

- CONCRETE SIDEWALK
- HEAVY-DUTY CONCRETE
- ASPHALT PAVEMENT
- PROPOSED BUILDING
- PROTECT EXISTING TREES
- TREE PROTECTION FENCING
- PHASE LINE
- SETBACK LINE
- OVERALL PROPERTY BOUNDARY
- EXISTING PROPERTY LINE

BUILDING SETBACK REQUIREMENTS

PLANNING COMMISSION MAY NOT REQUIRE A SETBACK GREATER THAN TH RTY-FIVE FEET (PER PR ZONE)

SIGNAGE STANDARDS

ALL SIGNAGE TO FOLLOW CN ZONE STANDARDS

BARGE DESIGN SOLUTIONS
5291 Hillsdale Boulevard, Suite 202 Knoxville, Tennessee 37912
PHONE (865) 637-2811 / FAX (865) 673-4554

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FILE #: 6-C-26-DP

ENLARGED SITE LAYOUT PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REV	DRN	CHK	DATE	REVISION INFORMATION DESCRIPTION

Know what's below
Call before you dig.
811
www.call811.com

PERMIT NUMBERS:

DATUM:
NAVD88
GEOID03

BENCHMARK:

N

50' 25' 0' 50' 100'
SCALE: 1 INCH = 50 FEET

C1.06

FILE NO. 37122-78

USER:KMDANIEL
FILE:F:\37\122\37122-78\04_CAD\CIVIL\1_Plot\37122-78_C1.01.dwg
XREF:
PLOTTED:2/6/2026

NO DISTURBANCE PROPOSED WITHIN THE HILLSIDE PROTECTION ZONE

TOTAL DISTURBANCE: 46.44 ACRES

811 Know what's below Call before you dig. 811 www.call811.com

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

N

200' 100' 0' 200' 400'

SCALE: 1 INCH = 200 FEET

REV | DRN | CHK | DATE | REVISION DESCRIPTION

REVISION INFORMATION

BARGE DESIGN SOLUTIONS

5201 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-8554

SCOTT BEKLER
STATE OF TENNESSEE

FOR PLANNING COMMISSION APPROVAL ONLY. NOT TO BE USED FOR CONSTRUCTION.

FILE #: 6-C-26-DP

OVERALL GRADING & DRAINAGE PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

C2.00

FILE NO. 37122-78

USER:BNEILER
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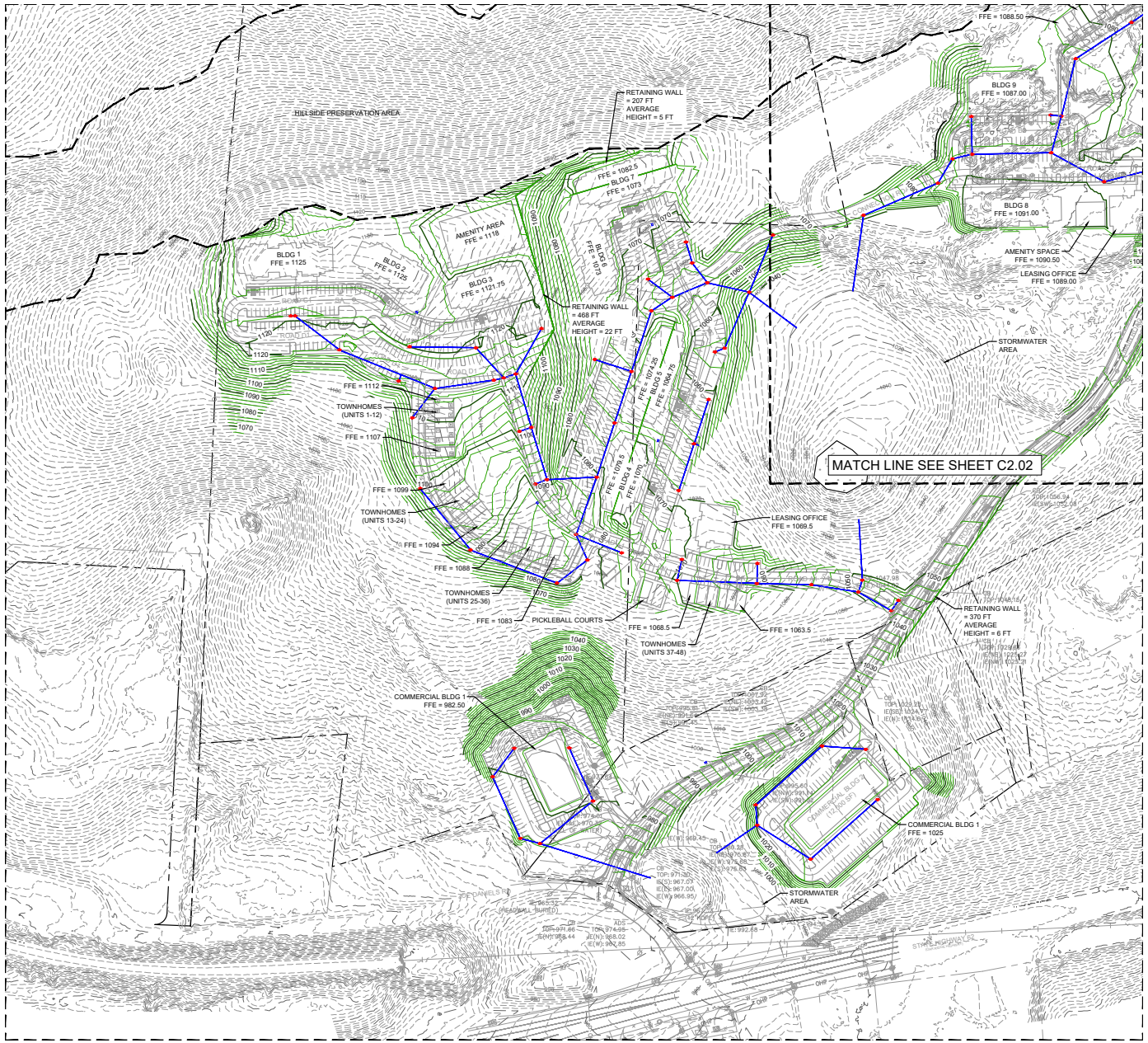
PLOTTED:4/2/2026



LEGEND

- 1080 — PROPOSED MAJOR CONTOUR
- 1082 — PROPOSED MINOR CONTOUR
- 1080 — EXISTING MAJOR CONTOUR
- 1082 — EXISTING MINOR CONTOUR
- STORM PIPE
- STORM STRUCTURE

NO DISTURBANCE PROPOSED WITHIN THE HILLSIDE PROTECTION ZONE

TOTAL DISTURBANCE: 46.44 ACRES

Know what's below Call before you dig. 811 www.call811.com

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

N

100' 50' 0' 100' 200'

SCALE: 1 INCH = 100 FEET

BARGE DESIGN SOLUTIS
5201 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-8554

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FILE #: 6-C-26-DP

GRADING & DRAINAGE PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REV	DRN	CHK	REVISION INFORMATION DESCRIPTION	DATE

C2.01

FILE NO. 37122-78

USER:RHENEILER
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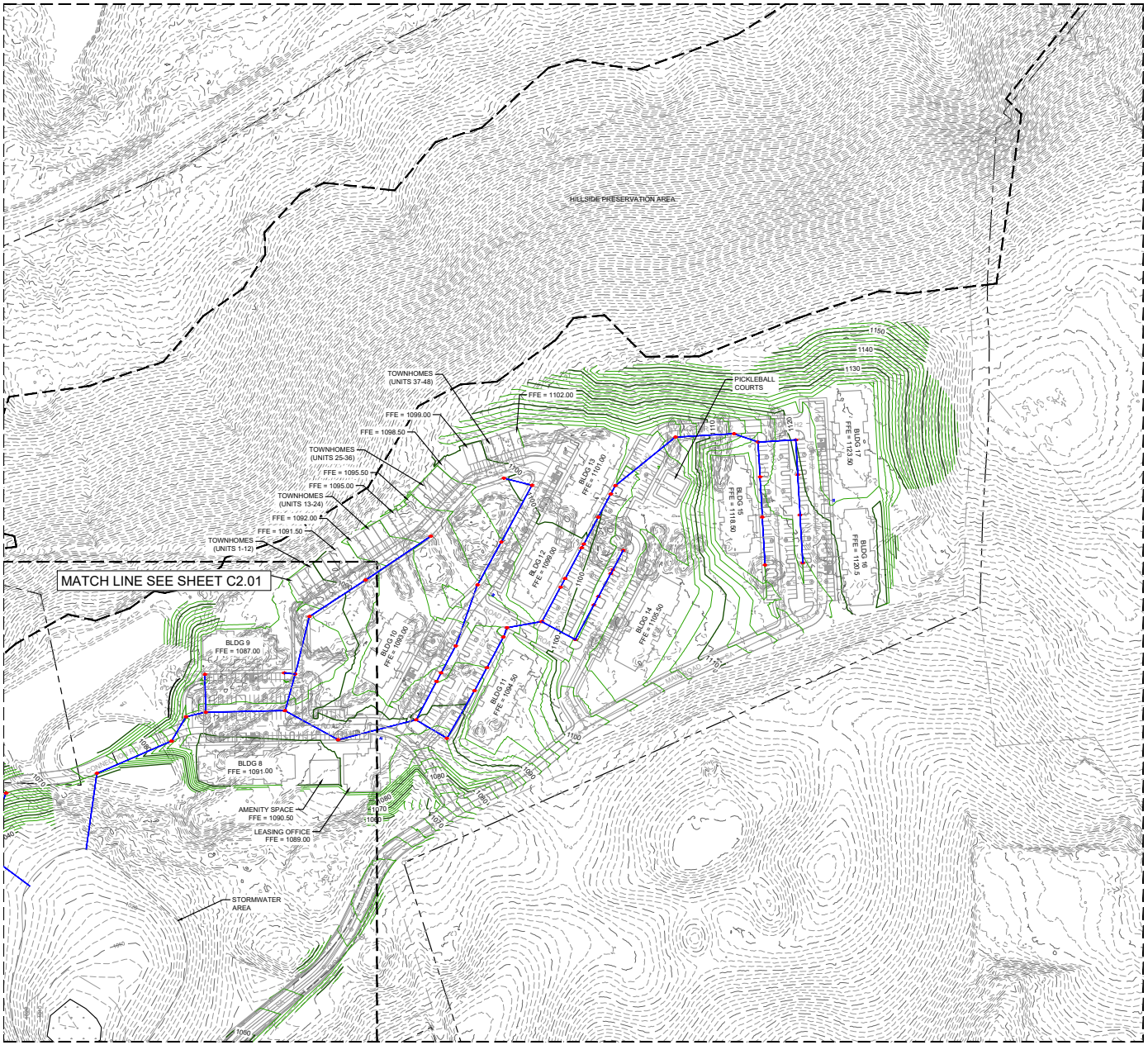
SAVED:2/26/2026
PLOTTED:2/26/2026



LEGEND

- 1080 — PROPOSED MAJOR CONTOUR
- 1082 — PROPOSED MINOR CONTOUR
- 1080 — EXISTING MAJOR CONTOUR
- 1082 — EXISTING MINOR CONTOUR
- STORM PIPE
- STORM STRUCTURE

NO DISTURBANCE PROPOSED WITHIN THE HILLSIDE PROTECTION ZONE

TOTAL DISTURBANCE: 46.44 ACRES

811 Know what's below Call before you dig. 811 www.call811.com

N

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

100' 50' 0' 100' 200'

SCALE: 1 INCH = 100 FEET

BARGE DESIGN SOLUTIONS
5201 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-6554

SCOTT BERGER — STATE OF TENNESSEE

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FILE #: 6-C-26-DP

GRADING & DRAINAGE PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REV	DRN	CHK	REVISION / NO / MM / YYYY	DESCRIPTION

C2.02

FILE NO. 37122-78

USER:BHOEILER
FILE:P:\37\122\37122-78\04_CAD\CIVIL\1_Plots\37122-78_C1.01.dwg
XREF:
PLOTTED:2/6/2026

USER:KMDANIEL
FILE:F:\3737122\3712278\04_CAD\CIVIL\1_Plot\3712278_C3.01.dwg
SAVED:5/22/2026
PLOTTED:5/26/2026

N

SCALE: 1"INCH = 200 FEET
200' 100' 0' 200' 400'

DATUM:
NAD83(86)
GEOID03

BENCHMARK:

PERMIT NUMBERS:

Know what's below
Call 811 before you dig.
www.call811.com

REVISION INFORMATION				
REV.	DR.	CHK.	DATE	DESCRIPTION
0	BKB	IJ	04/24/26	DEVELOPMENT PLAN

FILE NO. 3712278

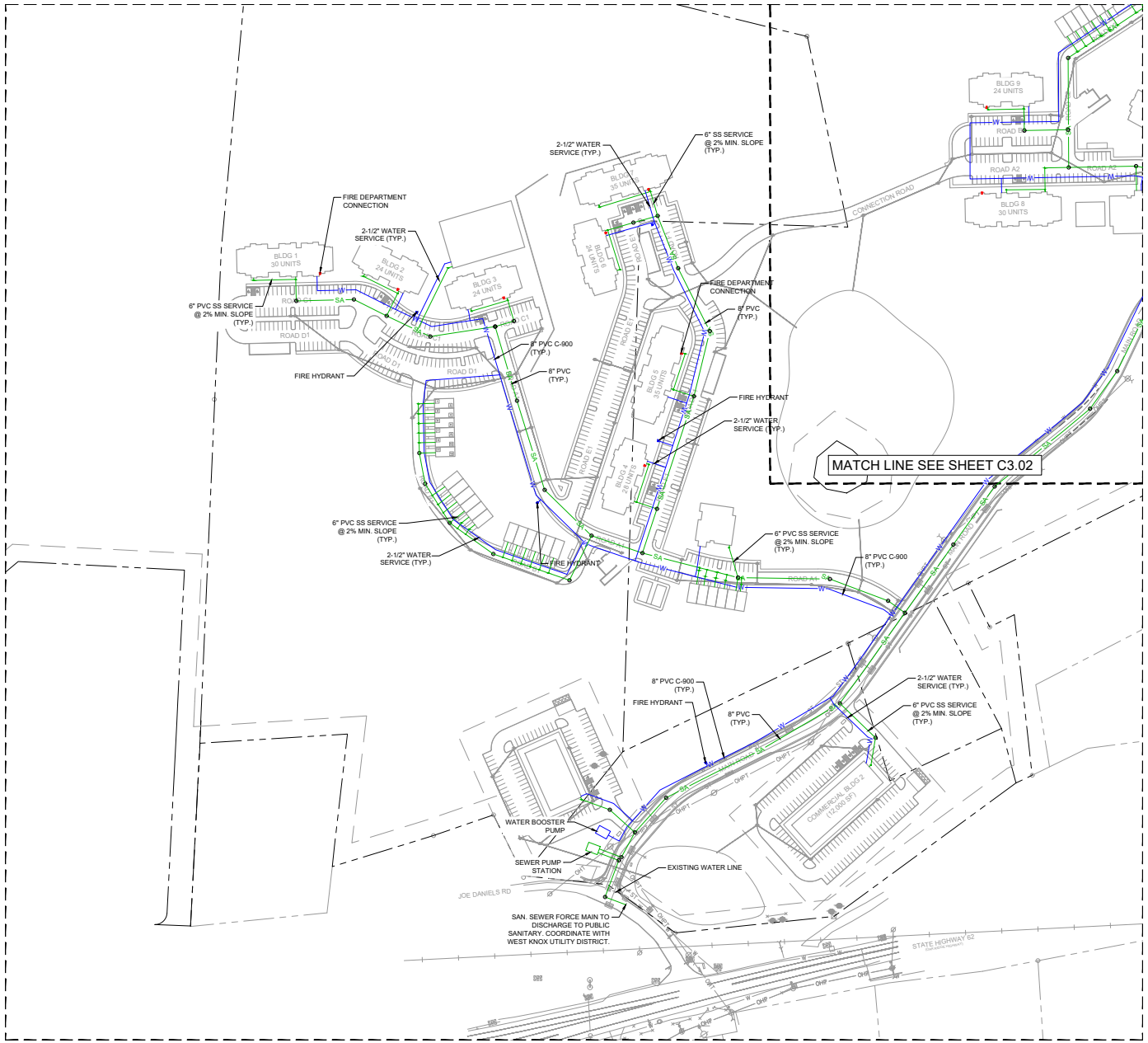
C3.00

OVERALL UTILITY PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

FOR PLANNING COMMISSION APPROVAL ONLY. NOT TO BE USED FOR CONSTRUCTION.
FILE #: 6C-26-DP

BARGE DESIGN SOLUTIONS
520 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-8554



Know what's below Call before you dig. 811 www.call811.com

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

N

100' 50' 0' 100' 200'

SCALE: 1 INCH = 100 FEET

REVISION INFORMATION

REV	DRN	CHK	DATE	DESCRIPTION
				DEVELOPMENT PLAN

BARGE DESIGN SOLUTIONS

5201 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2811 // FAX (865) 673-8554

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FILE #: 6-C-26-DP

UTILITY PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

C3.01

FILE NO. 37122-78

USER:KMDANIEL
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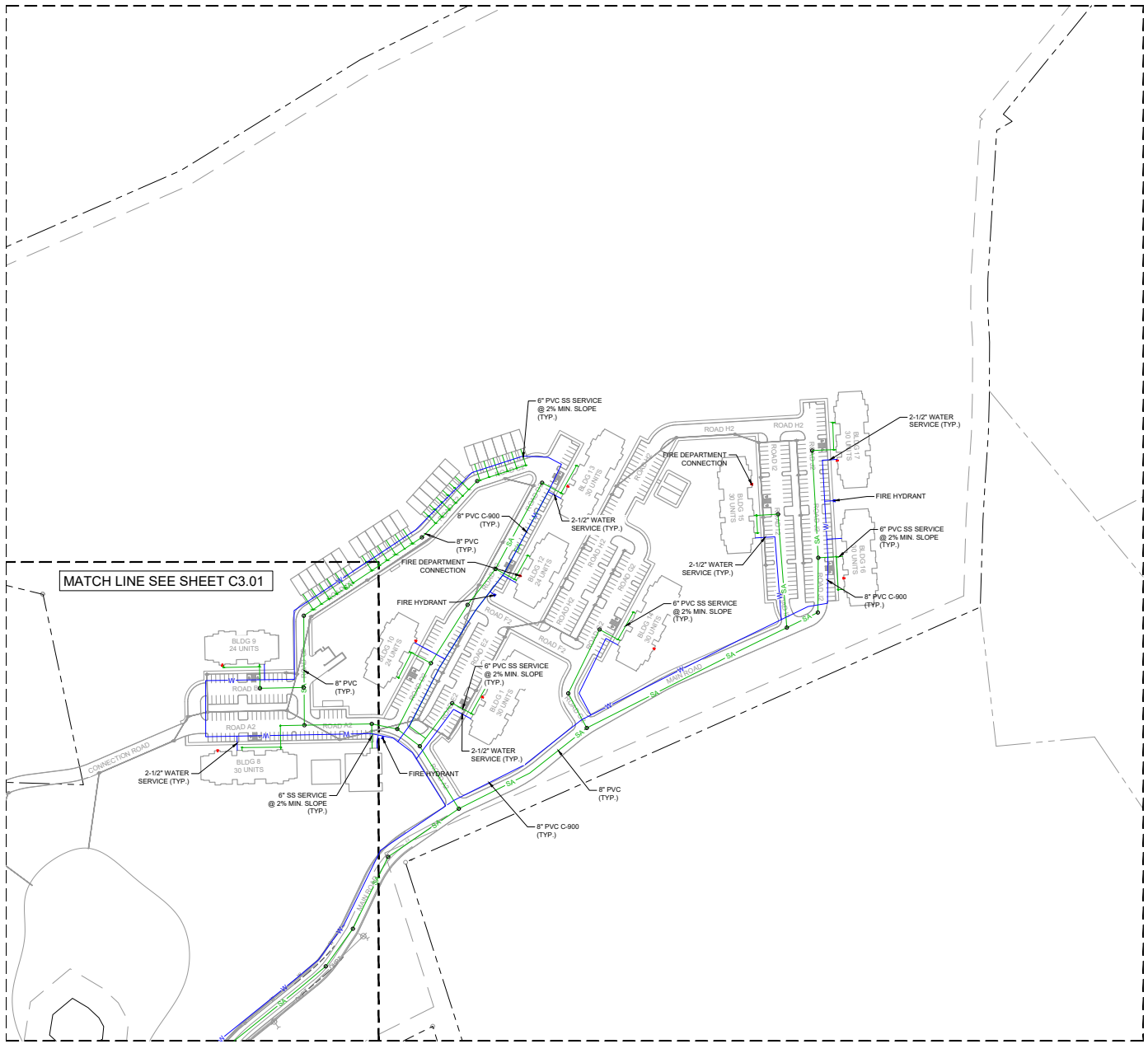

LEGEND

- SANITARY SEWER MANHOLE
- FIRE HYDRANT
- WATER MAIN
- SANITARY SEWER MAIN
- WATER SERVICE WITH METER
- SANITARY SEWER SERVICE LINE (6" SDR 26 PVC) WITH CLEANOUT

NOTE:
ALL SANITARY SEWER MAINS AND LATERALS TO BE SDR 26

BARGE DESIGN SOLUTIONS
5201 Wall Street Suite 1 Drive / Suite 1202 / Knoxville, Tennessee 37902
PHONE (865) 637-2811 / FAX (865) 673-8554

SCOTT BERGER
REGISTERED ENGINEER
STATE OF TENNESSEE

FOR PLANNING COMMISSION APPROVAL ONLY. NOT TO BE USED FOR CONSTRUCTION.

FILE #: 6-C-26-DP

UTILITY PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REV	DRN	CHK	DATE	DESCRIPTION
				REVISION PER MTA TXXX
				DEVELOPMENT PLAN

Know what's below Call before you dig. 811 www.call811.com

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

N

100' 50' 0' 100' 200'
SCALE: 1 INCH = 100 FEET

C3.02

FILE NO. 37122-78

USER:KMDANIEL
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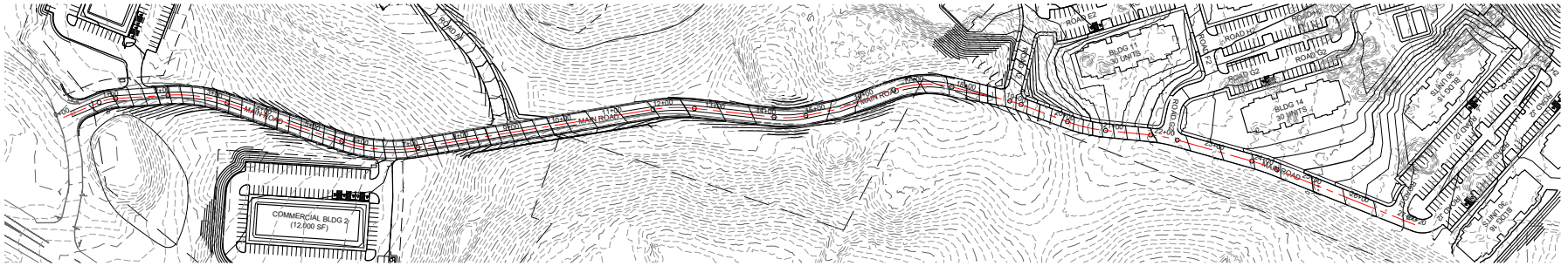
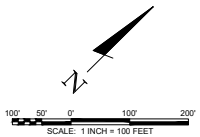
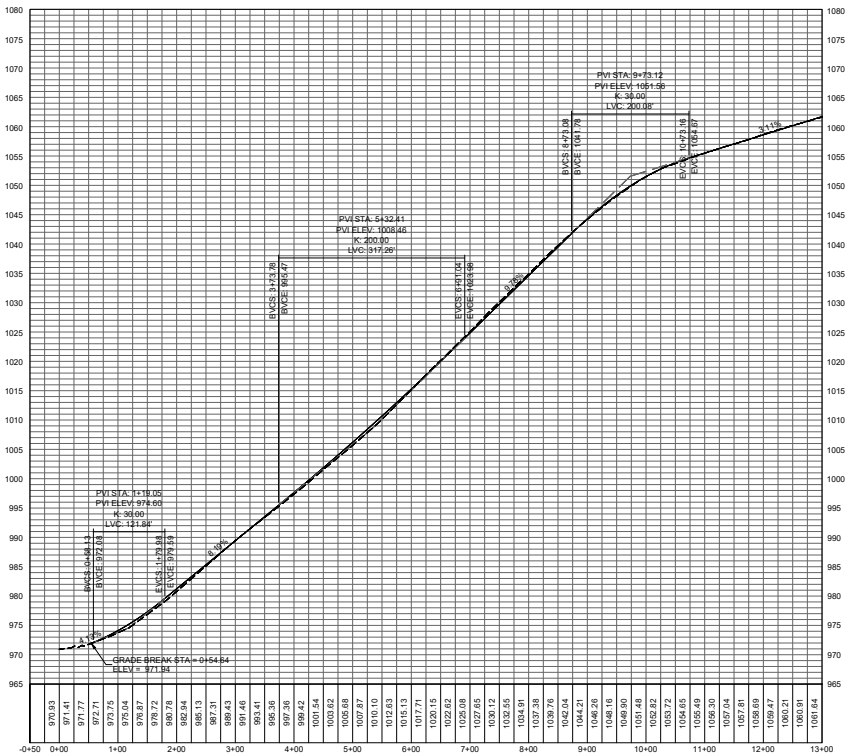
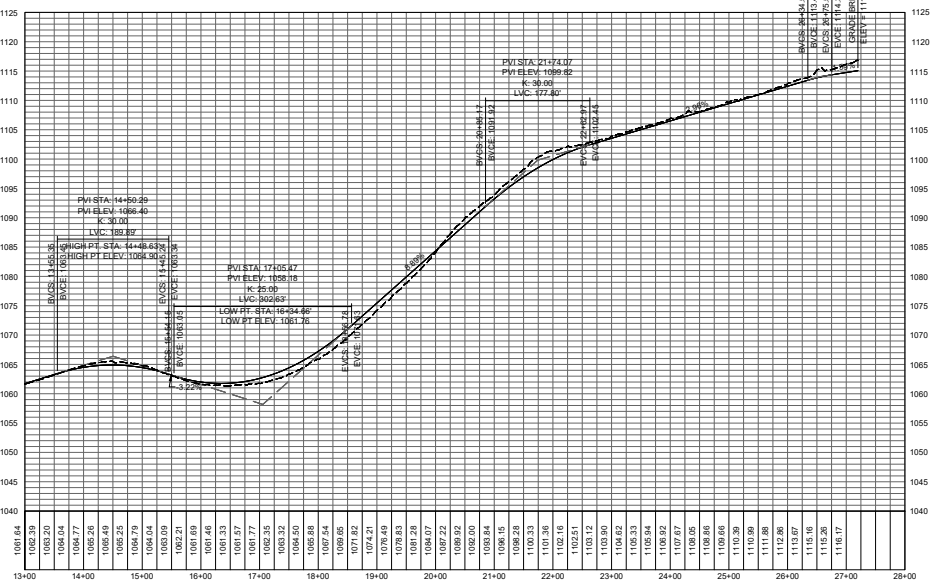
XREF:
PLOTTED:2/6/2026







MAIN ROAD PROFILE STA. -0+50 TO 13+00
SCALE: 1"=50' H
1"=5' V
ASSUMED DESIGN SPEED: 30 MPH



MAIN ROAD PROFILE STA. 13+00 TO 28+00
SCALE: 1"=50' H
1"=5' V
ASSUMED DESIGN SPEED: 30 MPH

BARGE DESIGN SOLUTIONS
320 West Summit Hill Drive / Suite 1202 / Knoxville, Tennessee 37902
PHONE (865) 637-2810 / FAX (865) 673-8554

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FILE #: 6-C-26-DP

MAIN ROAD PLAN & PROFILE

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REV	BY	CHK	DATE	DESCRIPTION
			02/24/26	DEVELOPMENT PLAN

REVISION INFORMATION

C4.01

FILE NO. 37122-78

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PLOTTED:2/26/2026

USER:KMDANIEL
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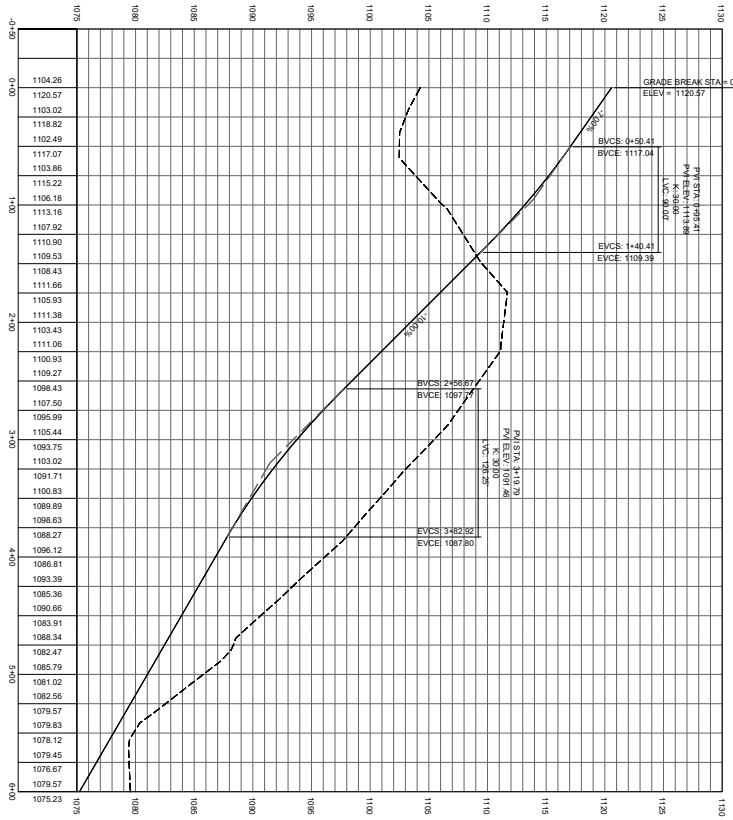
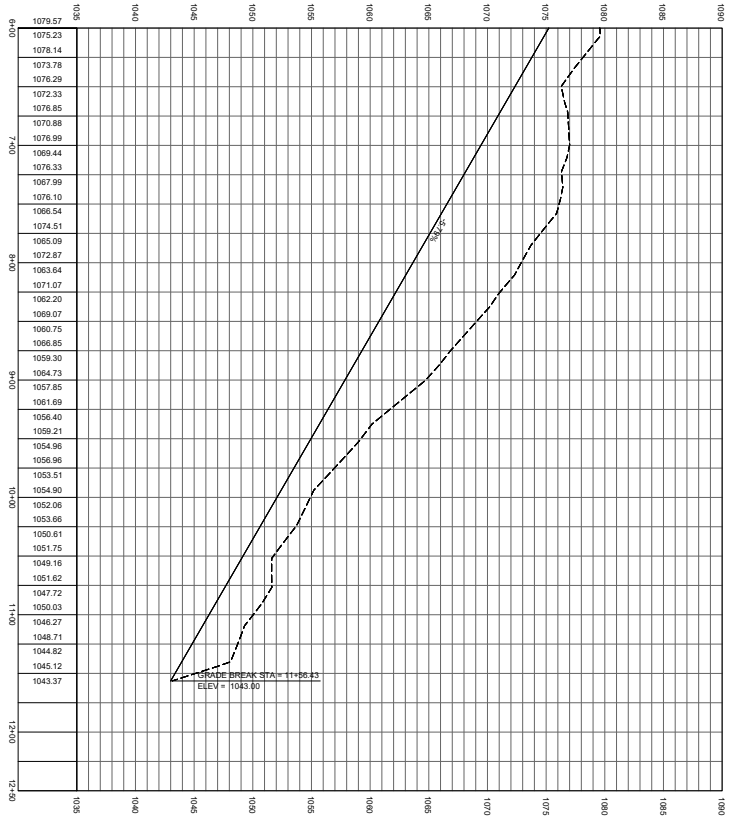
SAVED:5/26/2026
PLOTTED:5/26/2026



ROAD A1 PROFILE STA. -0+50 TO 6+00
SCALE: 1"=50' H
1"=5' V
ASSUMED DESIGN SPEED: 30 MPH



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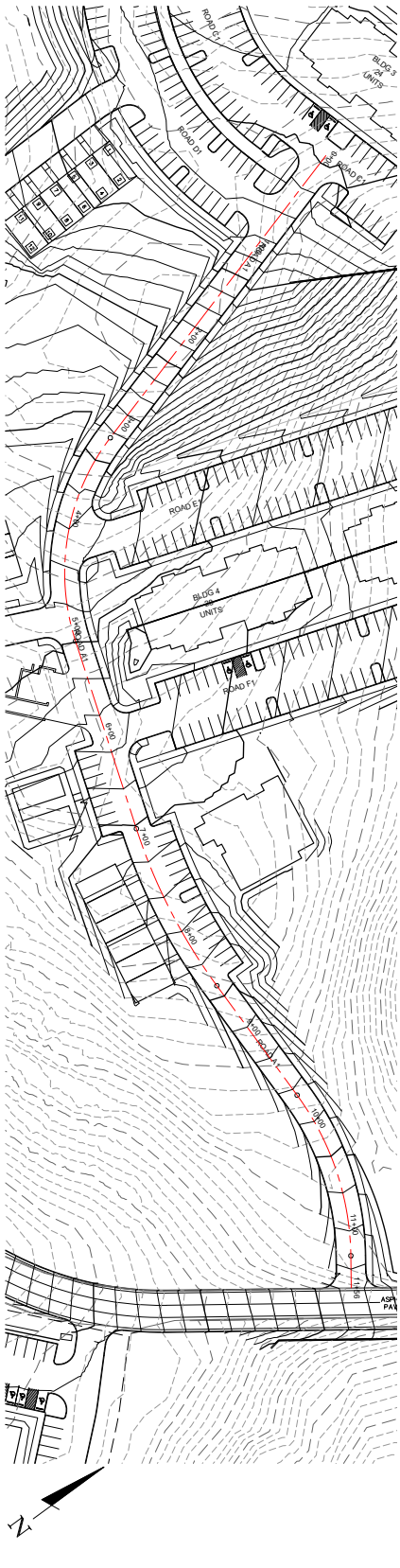
ASSUMED DESIGN SPEED: 30 MPH



REVISION INFORMATION				
REV	DR	CHK	DATE	DESCRIPTION
0	BKB	IJ	04/24/26	DEVELOPMENT PLAN

C4.02
FILE NO. 3712-78

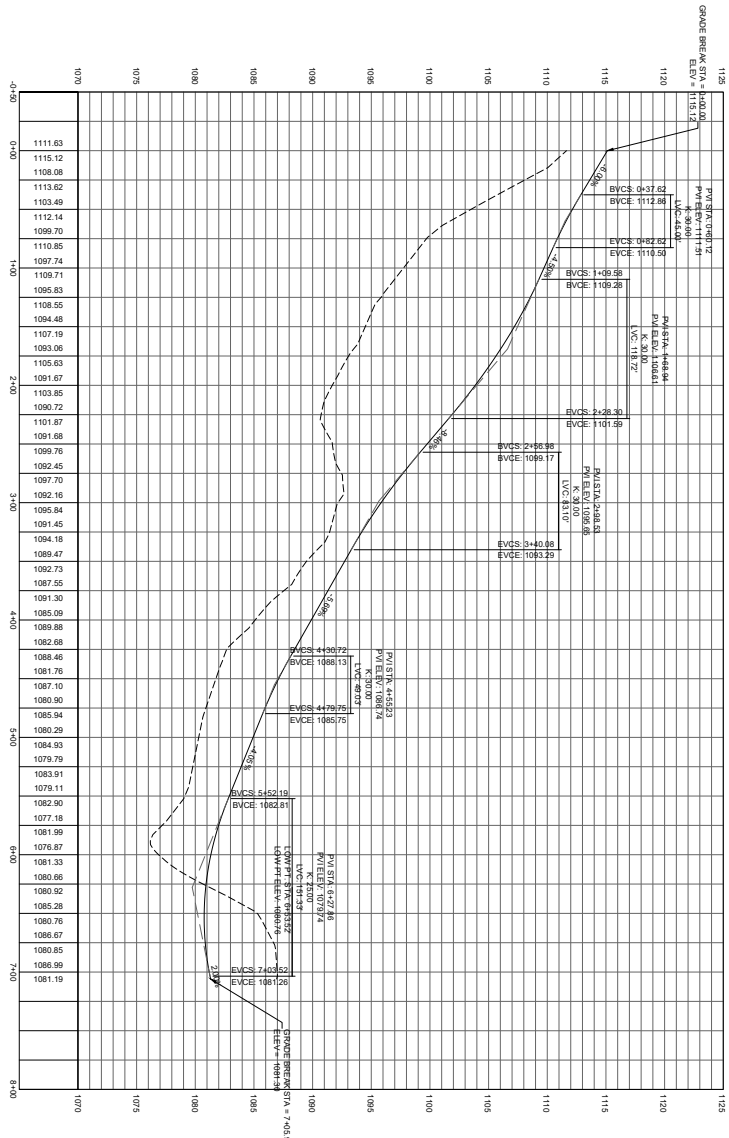
ROAD A1 PLAN & PROFILE

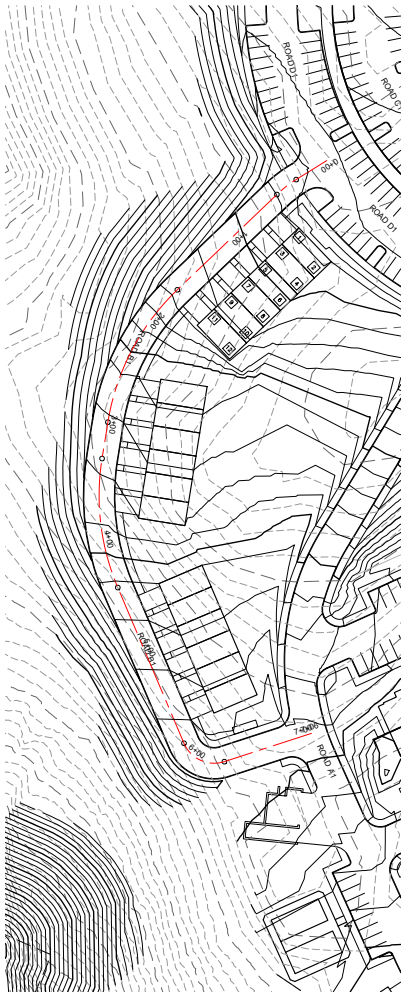
DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

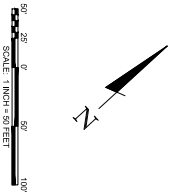
FOR PLANNING COMMISSION APPROVAL ONLY. NOT TO BE USED FOR CONSTRUCTION.
FILE #: 6C-26-DP

BARGE DESIGN SOLUTIONS
520 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-8554

USER:KMDANIEL
FILE:F:\3737122\3712278\04_CAD\CIVIL\1_Plot\3712278_C4.01.dwg
SAVED:5/26/2026
PLOTTED:5/26/2026







REVISION INFORMATION				
REV	DR	CHK	DATE	DESCRIPTION
0	BKB	IJ	04/24/26	DEVELOPMENT PLAN

ROAD B1 PLAN & PROFILE

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

FOR PLANNING COMMISSION APPROVAL ONLY. NOT TO BE USED FOR CONSTRUCTION.

FILE #: 6C-26-DP

BARGE DESIGN SOLUTIONS
520 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-8554

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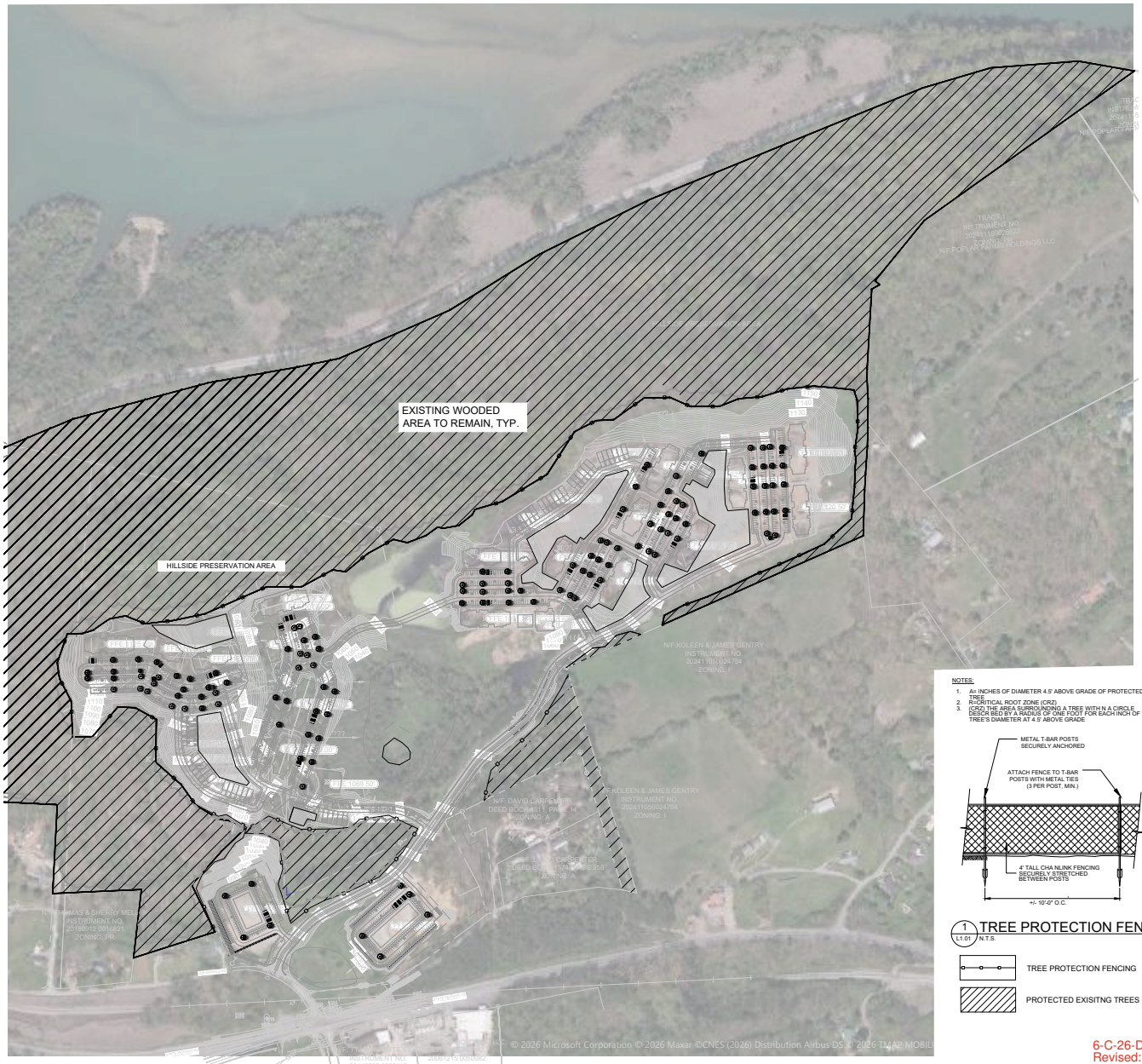
FILE NO. 3712.78



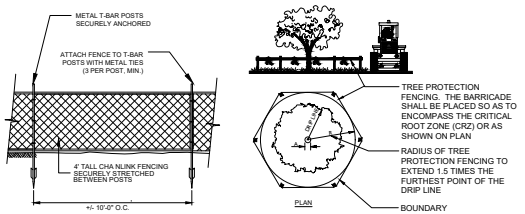
TREE PROTECTION NOTES:

1. ALL TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO AND MAINTAINED THROUGHOUT THE LAND DISTURBING AND CONSTRUCTION PROCESS AND NOT BE REMOVED UNTIL FINAL USE AND OCCUPANCY IS ISSUED FOR THE PROJECT.
2. TREE PROTECTION FENCING SHALL BE IN ACCORDANCE WITH TREE PROTECTION FENCING DETAILS.
3. THE TREE PROTECTION AREA SHALL INCLUDE NO LESS THAN ONE AND A HALF TIMES THE TOTAL AREA BENEATH THE TREE CANOPY AS DEFINED BY THE DRIPLINE OF THE TREES.
4. PROHIBITED ACTIVITIES WITHIN A TREE PROTECTION AREA INCLUDE, BUT ARE NOT LIMITED TO, PARKING, MATERIALS STORAGE, CONCRETE WASHOUT, TEMPORARY TOILET, SOIL COMPACTION AND PLACING OF WASTE MATERIAL.
5. ROOT DISTURBANCE DUE TO CUTS OR FILL SHALL NOT BE ALLOWED WITHIN A TREE PROTECTION AREA. ALL EXPOSED ROOTS ONE INCH AND GREATER IN DIAMETER AT THE EDGE OF THE TREE PROTECTION AREA SHALL BE PRUNED WITH A CLEAN CUT FLUSH TO SOIL EDGE.
6. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IN A MANNER DESIGNED TO PREVENT THE ACCUMULATION OF SEDIMENT WITHIN A TREE PROTECTION AREA.
7. CONTRACTOR SHALL STAKE, FLAG & OR MARK ALL TREE PROTECTION FENCE LOCATIONS & OBTAIN APPROVAL OF LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
8. A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED ON SITE TO EXPLAIN AND EDUCATE ALL CONSTRUCTION SUPERVISORS AND CONTRACTOR REPRESENTATIVES ABOUT THE TREE PROTECTION REQUIREMENTS.
9. TREES DAMAGED OR LOST DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE REPLACED WITH REPLACEMENT TREE OR TREES EQUAL TO THE APPROVED VALUE OF THE TREES LOST OR DAMAGED.
10. UNDERSTORY TREES & UNDERBRUSH TO BE REMOVED IN CLOSE PROXIMITY TO TREE SAVE AREAS SHALL NOT BE REMOVED WITH HEAVY EQUIPMENT. TREES ARE TO BE CAREFULLY REMOVED BY HAND OR CHAINSAWS IF NEEDED AND STUMPS GROUND TO A MIN. OF 6" BELOW ADJACENT GRADE.
11. FALLING TREES ARE TO BE DIRECTED AWAY FROM TREES TO BE PRESERVED AND CAREFULLY REMOVED AS TO NOT DAMAGE OR ERODE ROOTS OF TREES BEING PRESERVED.
12. ROOT PRUNING SHALL BE PERFORMED AT ALL TREE ROOTS OF TREES TO REMAIN, ADJACENT TO EXCAVATION OPERATIONS. ROOT PRUNING SHALL BE COMPLETED PRIOR TO CLEARING OPERATIONS COMMENCING. CONTRACTOR TO MARK AREAS ON GROUND FOR APPROVAL BY LANDSCAPE ARCHITECT OR ARBORIST. MAKE CLEAN CUT WITH CHAIN TRENCHER AT LEAST 3' DEEP AND IMMEDIATELY BACKFILL WITH EXCAVATION MATERIAL. CONTRACTOR TO VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF ROOT PRUNING.
13. ALL REMAINING TREES SHALL BE TREATED WITH AN APPROVED LIQUID ROOT OR SYSTEMIC FERTILIZER TO BE APPROVED BY LANDSCAPE ARCHITECT.
14. NO WIRES, NAILS, OR OTHER MATERIALS MAY BE ATTACHED TO PROTECTED TREES.
15. ALL REMAINING TREES LOCATED ALONG THE PERIMETER OF THE TPZ AREA SHALL BE PRUNED AS DIRECTED BY ARBORIST IN THE FIELD.
16. CONTRACTOR IS REQUIRED TO MAINTAIN PRESERVED TREES (WATERING, FERTILIZING, AND PRESERVATION OF TREE PROTECTION FENCING) THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
17. UNAUTHORIZED TREE REMOVAL IS SUBJECT TO REPLACEMENT EQUAL TO THE APPRAISED VALUE OF TREE LOST.

TREE HARVESTING

1. PRIOR TO REMOVING TREES TO BE REMOVED, COORDINATE WITH LANDSCAPE ARCHITECT TO DETERMINE WHICH TREE TRUNKS ARE TO BE STOCKPILED, BASED ON THE CONDITION OF HARVESTED WOOD.
2. PRESERVE TREE TRUNKS AT A MINIMUM LENGTH OF 8'-0."
3. DO NOT STORE HARVESTED TREE TRUNKS IN DIRECT CONTACT WITH SOIL.
4. PAINT TRUNK END CUTS WITH PARAFFIN WAX SLOW DRYING PROCESS.
5. STORE HARVESTED TREE TRUNKS UNDER THE COVER OF A WATERPROOF TARP UNTIL THEY ARE READY TO BE USED/MILLED.

NOTES:
1. A= INCHES OF DIAMETER 4.5' ABOVE GRADE OF PROTECTED TREE
2. R=CRITICAL ROOT ZONE (CRZ)
3. (CRZ) THE AREA SURROUNDING A TREE WITH N A CIRCLE DESCR BED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE'S DIAMETER AT 4.5' ABOVE GRADE



1 L1.01 TREE PROTECTION FENCING DETAIL (CHAINLINK) N.T.S.

TREE PROTECTION FENCING

PROTECTED EXISITNG TREES

6-C-26-DP
Revised: 5/26/2026

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N

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET

BARGE DESIGN SOLUTIONS

5201 Hill Summit Hill Drive | Suite 1300 | Knoxville, Tennessee 37912
PHONE (865) 637-2810 | FAX (865) 675-6554

FOR PLANNING COMMISSION APPROVAL ONLY. NOT TO BE USED FOR CONSTRUCTION.

TREE PROTECTION PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REV	DRN	CHK	DATE	DESCRIPTION
	AG	AG	10/10/25	DEVELOPMENT PLAN
	AG	AG	12/15/25	DEVELOPMENT PLAN RESUBMITTAL

REVISION INFORMATION

L0.00

FILE NO. 37122-78

USER:KADAHL
FILE:F:\37\37-122\37122780\4_CAD\LANDDLAN\DP\LO\37122780_LO.DP_Tree Protection Plan.dwg
XREF:
PLOTTED:5/26/2026

PLANT SCHEDULE OVERALL

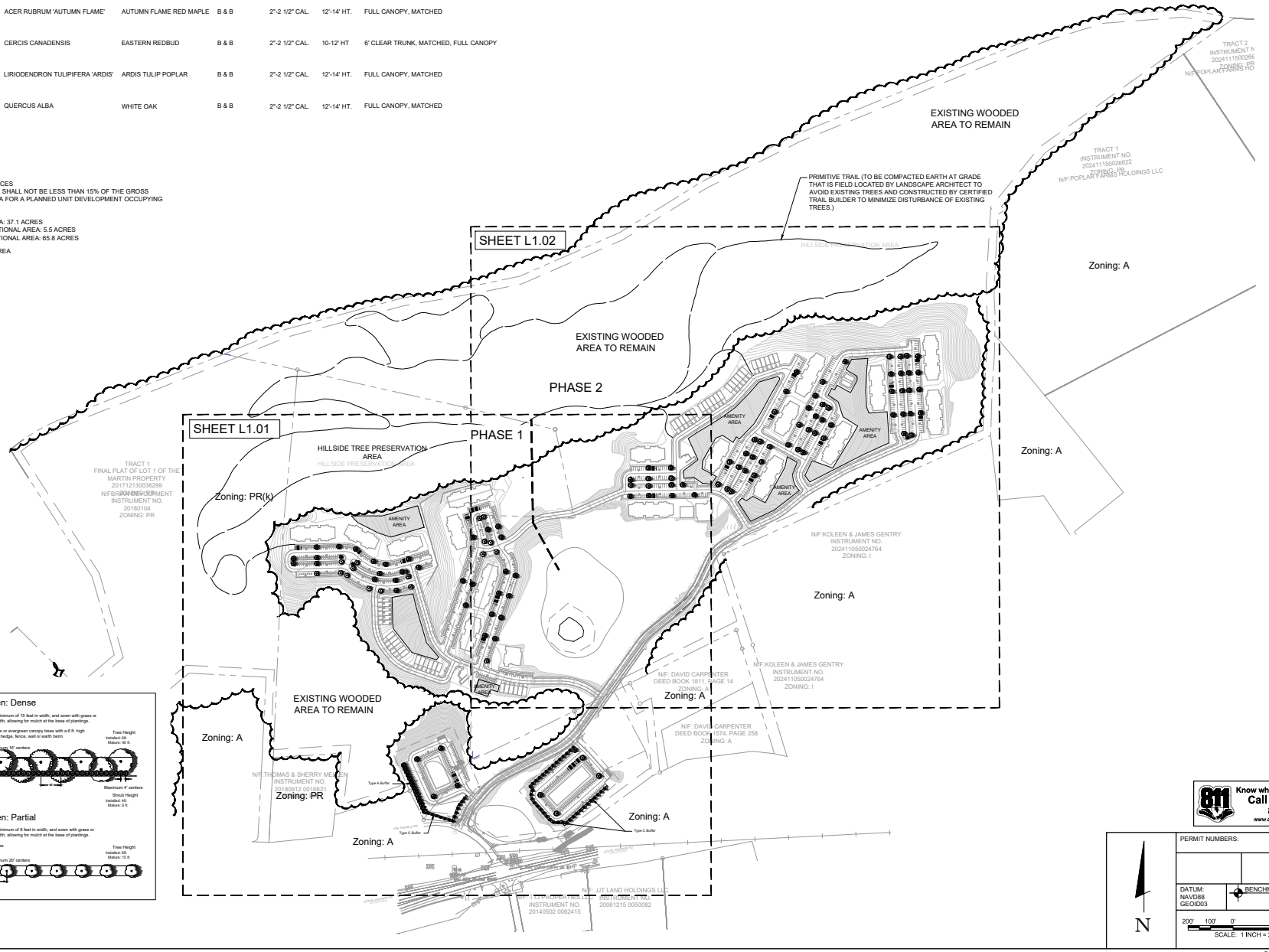
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	CONDITION	SIZE	HEIGHT	COMMENTS
TREES							
	69	ACER RUBRUM 'AUTUMN FLAME'	AUTUMN FLAME RED MAPLE	B & B	2"-2 1/2" CAL.	12'-14' HT.	FULL CANOPY, MATCHED
	4	CERCIS CANADENSIS	EASTERN REDBUD	B & B	2"-2 1/2" CAL.	10-12' HT	6' CLEAR TRUNK, MATCHED, FULL CANOPY
	34	LIRIODENDRON TULIPIFERA 'ARDIS'	ARDIS TULIP POPLAR	B & B	2"-2 1/2" CAL.	12'-14' HT.	FULL CANOPY, MATCHED
	17	QUERCUS ALBA	WHITE OAK	B & B	2"-2 1/2" CAL.	12'-14' HT.	FULL CANOPY, MATCHED

NOTE:

RECREATIONAL SPACES
RECREATIONAL USE SHALL NOT BE LESS THAN 15% OF THE GROSS DEVELOPMENT AREA FOR A PLANNED UNIT DEVELOPMENT OCCUPYING 20/ MORE ACRES

DEVELOPMENT AREA: 37.1 ACRES
REQUIRED RECREATIONAL AREA: 5.5 ACRES
PROVIDED RECREATIONAL AREA: 65.8 ACRES

AMENITY AREA



Type 'A' Screen: Dense

Landscape buffer strips- a minimum of 15 feet in width, and sown with grass or ground cover for their full width, allowing for mulch at the base of plantings.

Two offset rows of deciduous or evergreen canopy trees with a 6 ft. high continuous dense evergreen hedge, fence, wall or earth berm

Tree Height Installed: 6ft. Mature: 40 ft.

Maximum 10' centers

Maximum 4' centers

Shrub Height Installed: 4ft. Mature: 6 ft.

Type 'C' Screen: Partial

Landscape buffer strips- a minimum of 8 feet in width, and sown with grass or ground cover for their full width, allowing for mulch at the base of plantings.

A row of small evergreen trees

Tree Height Installed: 6ft. Mature: 10 ft.

Maximum 20' centers

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200' 100' 0' 200' 400'

SCALE: 1 INCH = 200 FEET

BARGE DESIGN SOLUTIONS

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OVERALL LANDSCAPE PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REVISION INFORMATION			
REV.	DES.	CHK.	DATE
1	AG	BS	10/10/25
DEVELOPMENT PLAN REVISIONS			

L1.00

FILE NO. 37122-78

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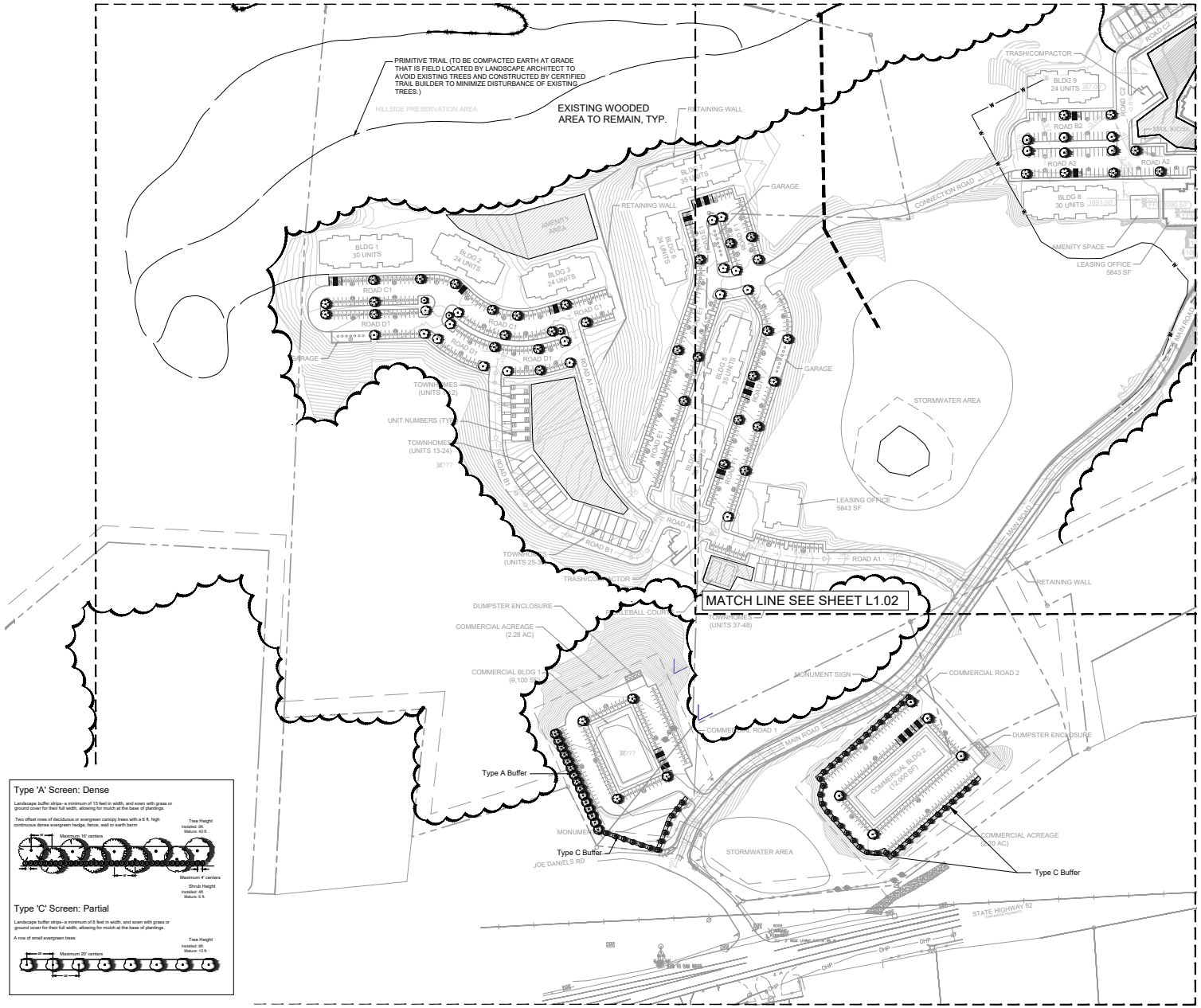
SAVED:2/6/2026
PLOTTED:2/6/2026



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LANDSCAPE PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REV	DRN	CHK	DATE	DESCRIPTION
	AG	AG	10/15/25	REVISION INFORMATION
			01/16/26	DEVELOPMENT PLAN

Know what's below Call before you dig. 811 www.call811.com

PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

N

100' 50' 0' 100' 200'
SCALE: 1 INCH = 100 FEET

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FILE NO. 37122-78

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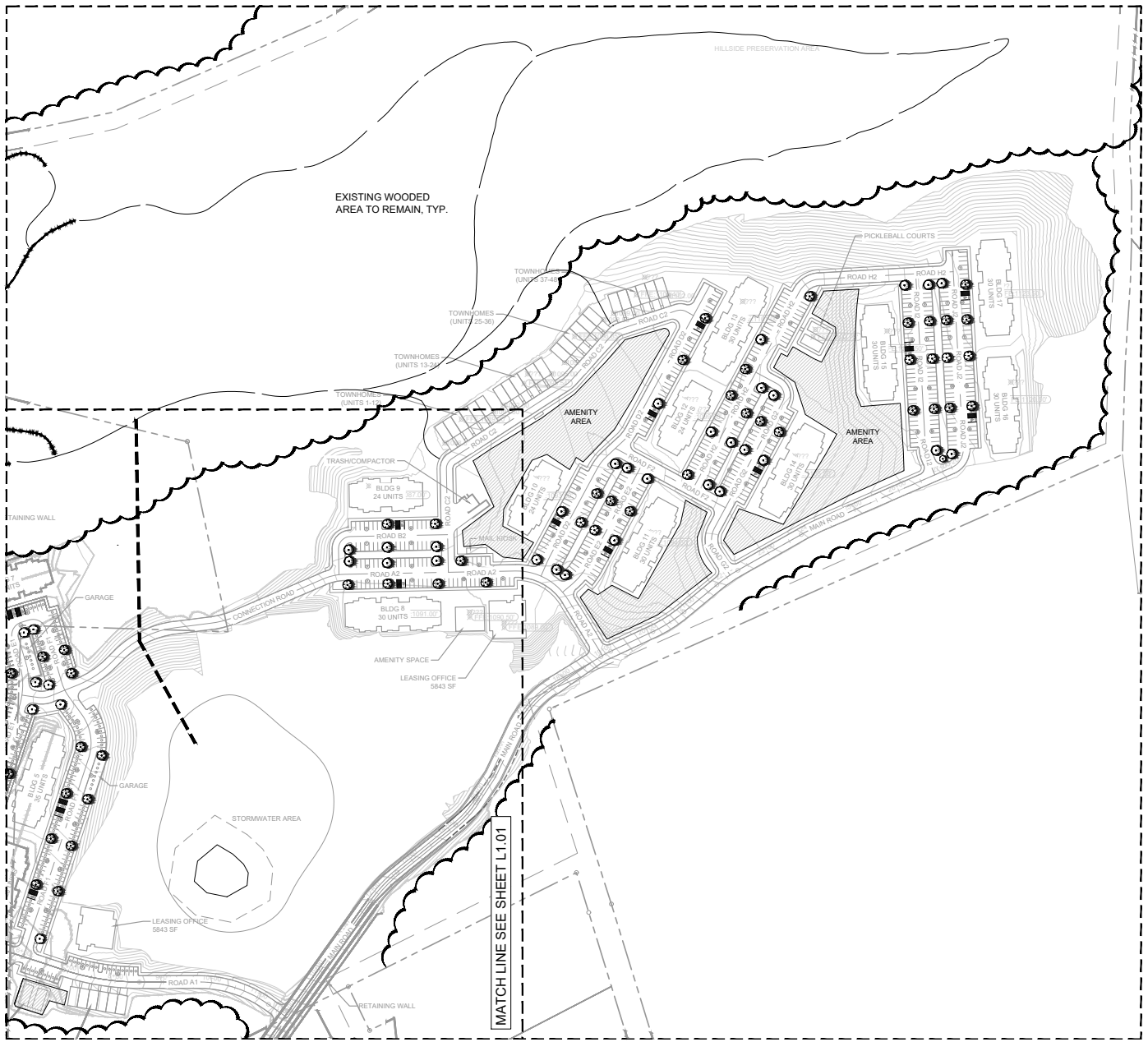
SAVED:01/26/2026
PLOTTED:01/26/2026



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LANDSCAPE PLAN

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REV'T	DRN	CHK	REVISION INFORMATION
	AG	JB	DESCRIPTION
			DATE
1			10/10/25 DEVELOPMENT PLAN
2			01/16/26 DEVELOPMENT PLAN RESUBMITTAL

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PERMIT NUMBERS:

DATUM:
NAVD88
GEOID03

BENCHMARK:

N

100' 50' 0' 100' 200'
SCALE: 1 INCH = 100 FEET

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FILE NO. 37122-78

USER:KADAHL
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SAVED:1/16/2026
PLOTTED:1/28/2026

GENERAL NOTES

1. PRIOR TO THE START OF WORK, THE LANDSCAPE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL SURFACE AND UNDERGROUND UTILITIES, ETC., AND SHALL TAKE PROPER PRECAUTIONS TO PREVENT DAMAGE TO SUCH MPROVEMENTS. IN THE EVENT ANY UTILITIES ARE UNCOVERED, THE LANDSCAPE CONTRACTOR SHALL PROMPTLY NOTIFY THE GENERAL CONTRACTOR. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES FROM DAMAGE DURING CONSTRUCTION AND TO REPAIR ANY DAMAGE WHICH SHOULD OCCUR TO THE SATISFACTION OF THE OWNER.
2. EXAMINE SUBGRADE UPON WHICH WORK IS TO BE PERFORMED. VERIFY SUBGRADE ELEVATIONS, OBSERVE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED, AND PROVIDE PERCOLATION TESTS AND ALL OTHER TESTS NECESSARY TO ASCERTAIN THAT ADEQUATE GROWING CONDITIONS WILL BE PROVIDED FOR PLANTS. IF PERCOLATION TESTS OR SUBSOIL CONDITIONS INDICATE RETENTION OF WATER IN PLANTING AREAS, AS SHOWN BY SEEPAGE OR OTHER EVIDENCE INDICATING PRESENCE OF UNDERGROUND WATER, NOTIFY LANDSCAPE ARCHITECT IN WRITING OF THIS FACT OR OTHER UNSATISFACTORY CONDITIONS BEFORE BACKFILLING. A CHANGE ORDER MAY BE ISSUED TO DIRECT INSTALLATION OF DRAIN TILE OR OTHER MEASURES BEYOND DRAINAGE REQUIREMENTS INDICATED. DO NOT PROCEED WITH THE WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. COMMENCEMENT OF PLANTING WORK INDICATES THAT SITE CONDITIONS HAVE BEEN ACCEPTED "AS IS" BY THE CONTRACTOR.
3. PLANT AND MATERIAL QUANTITIES IN THE PLANT SCHEDULE ARE BASED ON THE PLANS AS SHOWN. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY SITE CONDITIONS THAT CHANGE DURING CONSTRUCTION THAT MAY IMPACT THE PLANT QUANTITIES REQUIRED AND/OR THEIR LOCATIONS.
4. PROTECT EXISTING GRASS AREAS, TREES, AND OTHER VEGETATION TO REMAIN.
5. DAMAGE BY CONTRACTOR TO UNDISTURBED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR TO THE SATISFACTION OF THE OWNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LANDSCAPE QUANTITY CALCULATIONS AND THE LIABILITY WHICH PERTAINS TO THOSE QUANTITIES AND ANY RELATED CONTRACT DOCUMENTS AND/OR PRICE QUOTATIONS. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT QUANTITIES REQUIRED TO COVER SPECIFIED AREAS AT THE DESIGNATED SPACING.
7. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING SITE INSPECTION PRIOR TO BIDDING WORK, TO DETERMINE SITE CONDITIONS AND AREAS TO BE PLANTED. SUBMISSION OF BID INDICATES CONTRACTOR HAS VERIFIED SITE CONDITIONS AND PLANT MATERIAL QUANTITIES.
8. PRIOR TO PLANTING, THE CONTRACTOR IS TO OBTAIN SOIL TESTS FOR ALL PLANTING AREAS TO DETERMINE IF THE PROPER SOIL PH IS PRESENT. RESULTS FROM THESE TESTS ARE TO BE SENT TO THE LANDSCAPE ARCHITECT. IF THE TEST INDICATES MPROPER PH, THEN THE LANDSCAPE CONTRACTOR IS TO ADD LIME OR SULFUR TO PROVIDE THE PROPER SOIL PH.
9. SUBSTANTIAL COMPLETION WILL BE PROVIDED AFTER THE CONTRACTOR HAS SATISFACTORILY COMPLETED WORK REQUIREMENTS AS SPECIFIED. THE LANDSCAPE ARCHITECT WILL CONDUCT A SUBSTANTIAL COMPLETION INSPECTION AND PROVIDE A PUNCH LIST OF OBSERVED DEFICIENCIES.
10. FINAL ACCEPTANCE: THE LANDSCAPE ARCHITECT WILL PROVIDE THE FINAL INSPECTION AFTER THE CONTRACTOR HAS SATISFACTORILY CORRECTED THE DEFICIENCIES ON THE PUNCH LIST. SHOULD THE LANDSCAPE ARCHITECT'S INSPECTION FIND WORK INCOMPLETE, THE CONTRACTOR SHALL REMEDY THE DEFICIENCIES.
11. AFTER FINAL ACCEPTANCE AND PRIOR TO END OF THREE-YEAR WARRANTY PERIOD, CONTRACTOR SHALL REPLACE ALL PLANT MATERIAL THAT HAS DIED OR HAS DEFECTS, INCLUDING UNSATISFACTORY GROWTH, IN THE OPINION OF THE LANDSCAPE ARCHITECT.
12. DURING LANDSCAPE INSTALLATION KEEP PAVEMENTS CLEAN AND WORK AREA IN ORDERLY CONDITION.
13. CONTRACTOR TO REPAIR ANY PAVEMENTS, CURBS, DRAINAGE AND OTHER IMPROVEMENTS DAMAGED AS A RESULT OF LANDSCAPE INSTALLATION ACTIVITIES.

LANDSCAPE NOTES

1. PLANT MATERIALS AND STUMPS INDICATED FOR REMOVAL SHALL BE REMOVED AND DISPOSED OFF-SITE BY THE CONTRACTOR. BACKFILL HOLES WITH QUALITY TOPSOIL SPECIFICATION.
2. DIMENSIONS FOR HEIGHTS, SPREAD, AND TRUNK SPECIFIED ON THE MATERIAL SCHEDULE IS A GENERAL GUIDE FOR THE MINIMUM DESIRED SIZE OF EACH PLANT. AT A MINIMUM, ALL PLANT MATERIALS SHALL COMPLY WITH THE LATEST EDITION OF PUBLICATION ANSI Z-60.1, AND AMERICAN STANDARDS FOR NURSERY STOCK BY AMERICANHORT FOUND AT https://www.americanhort.org/education/american-nursery-stock-standards/.
3. UPON SECURING PLANT MATERIAL AND BEFORE INSTALLATION THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT FOR A PRE-INSTALLATION INSPECTION IN ORDER TO VERIFY ALL PLANT MATERIAL MEETS SPECIFICATIONS. TREES OF SAME SPECIES ARE TO BE MATCHED IN GROWTH CHARACTER AND UNIFORMITY.
4. PLANTS SHALL BE ORIENTED FOR BEST APPEARANCE AND VERTICAL. ALL NON-BIODEGRADABLE ROOT CONTAINERS SHALL BE REMOVED.
5. THE LOCATION OF ALL TREES SHOWN ON THE PLAN SHALL BE STAKED/FLAGGED BY THE CONTRACTOR AND APPROVED BY THE LANDSCAPE ARCHITECT BEFORE THE DIGGING OF PITS. PLANTING SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS OR WHERE FIELD LOCATED BY LANDSCAPE ARCHITECT.
6. PROVIDE ONLY PLANTS THAT ARE FREE FROM DISEASES AND PESTS, AND THAT COMPLY WITH THE LATEST EDITION OF PUBLICATION ANSI Z60.1, AMERICAN STANDARDS FOR NURSERY STOCK, BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
7. DO NOT MAKE SUBSTITUTIONS REGARDING PLANT SIZES OR SPECIES WITHOUT WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT.
8. UPON INSPECTION AND APPROVAL FROM LANDSCAPE ARCHITECT, REMOVE ALL STRINGS AND OTHER LABELS FROM TREES.
9. PLANTS DESIGNATED "B&B" IN THE PLANT LIST SHALL BE BALLED AND BURLAPPED. THEY SHALL BE DUG WITH FIRM, NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR FULL RECOVERY OF THE PLANT. BALLS SHALL BE FIRMLY WRAPPED WITH BURLAP OR SIMILAR MATERIAL AND BOUND WITH TWINE OR CORD.
10. ONLY "HEMP" BURLAP AND TWINE SHALL BE USED. NO TREATED OR PRESERVED BURLAP OR TWINE IS ALLOWED. ALL HEMP TWINE ATTACHED TO THE TREE TRUNK IS TO BE REMOVED AFTER PLANTING. AT A MINIMUM THE TOP ONE-THIRD OF THE ROOT BALL IS TO HAVE ALL BURLAP AND TWINE REMOVED
11. NO PLANT MATERIAL REQUIRED TO BE BALLED AND BURLAPPED SHALL BE ACCEPTED IF THE BALL IS CRACKED OR BROKEN EITHER BEFORE OR DURING THE PROCESS OF PLANTING, OR WHEN REQUIRED BURLAP, STAVES, ROPES OR PLATFORM HAVE BEEN REMOVED.
12. MINIMIZE DAMAGE TO THE ROOT BALL WHEN INSTALLING ALL PLANT MATERIAL. IF ROOTS ARE GIRDLING OR CIRCLING THEY MUST BE CAREFULLY LOOSENED OR CUT.
13. THE BALLS OF "B&B" PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY ON DELIVERY SHALL BE COVERED WITH MOIST SOIL OR MULCH, OR OTHER PROTECTION FROM DRYING WINDS AND SUN. ALL PLANTS INSTALLED OR STORED SHALL BE WATERED BY CONTRACTOR AS NECESSARY UNTIL FINAL ACCEPTANCE.
14. ALL PLANTS SHALL BE HANDLED SO THAT ROOTS ARE ADEQUATELY PROTECTED AT ALL TIMES. DURING SHIPMENT, THE ENTIRE PLANT SHALL BE PROTECTED BY TARPAULINS OR OTHER SUITABLE COVERING. PLANT MATERIAL SUFFERING FROM WIND BURN OR OTHER DAMAGE IS NOT ACCEPTABLE.
15. NO PLANT SHALL BE BOUND WITH ROPE OR WIRE IN A MANNER THAT DAMAGES THE BARK, BREAKS BRANCHES, OR DESTROYS ITS NATURAL SHAPE.
16. ANY SERIES OF TREES OR SHRUBS TO BE PLACED IN A PARTICULAR ARRANGEMENT WILL BE FIELD CHECKED FOR ACCURACY BY THE LANDSCAPE ARCHITECT. ANY PLANTS INCORRECTLY ARRANGED SHALL BE RELOCATED WITH LANDSCAPE ARCHITECT APPROVAL AT THE CONTRACTORS COST.
17. PLANT BED PREPARATION: THOROUGHLY DISC, SCARIFY, & LOOSEN SUBGRADE OF PLANTING BEDS TO A MINIMUM DEPTH OF 4 INCHES. REMOVE STONES MEASURING OVER 1 INCH IN ANY DIMENSION. REMOVE ROCKS, STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER THAT WILL INTERFERE WITH VEGETATION ESTABLISHMENT OR MAINTENANCE OPERATIONS. ADD SPECIFIED SOIL AMENDMENTS AND MIX THOROUGHLY INTO UPPER 4 INCHES OF TOPSOIL.

LANDSCAPE NOTES CONTINUED

18. NO PLANT MATERIAL REQUIRED TO BE BALLED AND BURLAPPED SHALL BE ACCEPTED IF THE BALL IS CRACKED OR BROKEN EITHER BEFORE OR DURING THE PROCESS OF PLANTING, OR WHEN REQUIRED BURLAP, STAVES, ROPES
19. CONTRACTORS SHALL PROVIDE SMOOTH, NEATLY TRENCHED (3" DEEP) BED EDGES.
20. ALL PLANT BEDS SHALL HAVE EMERGENT HERBICIDE (TREFLAN OR EQUIVALENT), APPLIED (ACCORDING TO MANUFACTURER'S INSTRUCTIONS) PRIOR TO PLANTING, FOR NOXIOUS WEED CONTROL.
21. ALL PLANTINGS OR MULCH BEDS SHALL HAVE WEEDS REMOVED PRIOR TO THE INSTALLATION OF MULCH.
22. ALL PLANTING BEDS SHALL RECEIVE A MINIMUM 3" DEEP SHREDDED HARDWOOD BARK MULCH LAYER (TYPE AS NOTED ON PLAN) AND TO BE OF SUFFICIENT CHARACTER AS NOT TO BE EASILY DISPLACED BY WATER RUNOFF OR WIND.
23. MULCH SHALL NOT CONTACT OUTER BARK AT BASE OF TREES. PULL BACK MULCH 3-4" FROM TRUNK.
24. AFTER PLANTING, TREE BRANCHES SHALL BE SELECTIVELY TRIMMED BY 25%, MAINTAINING NATURAL SHAPE. ALL DEAD AND BROKEN BRANCHES IN TREES AND SHRUBS SHALL ALSO BE PRUNED. REMOVE TAGS, TWINE OR OTHER NON-BIODEGRADABLE MATERIAL.
25. ALL TREES AND SHRUBS SHALL BE THOROUGHLY WATERED WITHIN ONE HOUR OF INSTALLATION.
26. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FERTILIZING, APPLICATION OF INSECTICIDES/HERBICIDES, AND FOR THE WATERING AND MAINTENANCE TO INCLUDE BUT NOT LIMITED TO WEEDING, MULCHING, AND STRAIGHTENING OF ALL INSTALLED PLANT MATERIAL, INCLUDING SOD AND SEED AREAS, UNTIL FINAL ACCEPTANCE OF LANDSCAPE ARCHITECT.
27. ALL PLANT MATERIAL IS TO BE GUARANTEED FOR (3) THREE YEARS. GUARANTEE PERIOD STARTS FROM DATE OF FINAL ACCEPTANCE OF LANDSCAPE ARCHITECT.
28. ONLY GRAD "A" TYPE PLANTS WILL BE ACCEPTED. PLANTS THAT ARE INFERIOR OR DAMAGED WILL NOT BE ACCEPTED.
29. THE PLANTS DELIVERED TO SITE SHALL BE PLANTED AS SOON AS SITE CONDITIONS PERMIT. TAKE CARE IN SCHEDULING PLANT DELIVERIES AND THE SIZE OF DELIVERIES SO THAT SO THAT LONG PERIODS OF STORAGE ARE AVOIDED. ADEQUATELY PROTECT PLANTS PLACED IN TEMPORARY STORAGE FROM THE SUN AND WIND. WATER PLANTS SO AS TO MAINTAIN THEIR APPEARANCE AND HEALTH. PLANTS THAT HAVE NOT BEEN PROPERLY MAINTAINED DURING TEMPORARY STORAGE MAY BE REJECTED BY THE LANDSCAPE ARCHITECT.
30. ALL TREES SHALL BE FIRST QUALITY REPRESENTATIVES OF THEIR SPECIES AND SHALL MEET ALL REQUIREMENTS OTHERWISE STIPULATED. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT PLANTED MATERIAL IN THE FIELD, AT THE GROWING SITE OR ON THE JOB SITE.
31. THE LANDSCAPE ARCHITECT MAY INSPECT TREES EITHER AT PLACE OF GROWTH OR AT SITE BEFORE PLANTING, FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS, SPECIES, SIZE, AND QUALITY. LANDSCAPE ARCHITECT RETAINS THE RIGHT TO FURTHER INSPECT TREES FOR SIZE AND CONDITION OF ROOT BALL, INSECTS, INJURIES, AND LATENT DEFECTS TO REJECT UNSATISFACTORY OR DEFECTIVE AT ANY TIME DURING PROGRESS OF WORK. REMOVE REJECTED MATERIAL IMMEDIATELY FROM THE PROJECT SITE.
32. REPLACEMENT PLANT MATERIAL SHALL CLOSELY MATCH ADJACENT SPECIMENS OF THE SAME SPECIES AND SHALL CONFORM TO THE STANDARDS FOR PLANT MATERIALS SPECIFIED. ALL REPLACED MATERIAL SHALL IMMEDIATELY BE REMOVED FROM THE SITE AND ALL NECESSARY REPAIRS TO , GRADES, LAWN AREAS, PAVING, AND OTHER AREAS DAMAGED DURING REPLACEMENT SHALL BE MADE AT NO COST TO THE OWNER
33. CONTRACTOR TO SUBMIT 1 CF OF PROPOSED PLANTING SOIL AS WELL AS REQUIRED SOIL TEST INFORMATION TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
34. ALL COMPACTED AREAS TO BE AERATED AND AMENDED AS NEEDED.
35. TOPSOIL IS TO BE NATURAL, FERTILE, FRIABLE, PRODUCTIVE SOIL, NEITHER EXCESSIVELY ACID NOR ALKALINE, AND FREE FROM TOXIC SUBSTANCES, STONES, WEEDS, CLAY, CLODS, ROOTS, CINDERS, DEBRIS AND CONSTRUCTION MATERIALS.
36. LANDSCAPE ARCHITECT TO VISIT REGIONAL PLANT NURSERY TO FLAG PLANT MATERIAL, AS NECESSARY.

SEEDING NOTES

1. 6" OF TOPSOIL SHALL BE PROVIDED ON ALL AREAS TO BE SEEDED UNLESS NOTED OTHERWISE. INSTALL AND STABILIZE TOPSOIL PRIOR TO SEEDING.
2. SEED ALL DISTURBED AREAS (THAT ARE NOT TO BE PAVED, PLANTED, OR SODDED) IN ACCORDANCE WITH SCHEDULE. CONTRACTOR TO SUBMIT SEED VARIETY TO LANDSCAPE ARCHITECT FOR APPROVAL.
3. SEED BED PREPARATION: THOROUGHLY DISC, SCARIFY, & LOOSEN SUBGRADE OF LAWN AREAS TO A MINIMUM DEPTH OF 6 INCHES. REMOVE STONES MEASURING OVER 1-1/2 INCHES IN ANY DIMENSION. REMOVE ROCKS, STICKS, ROOTS, RUBBISH, AND OTHER EXTRANEOUS MATTER THAT WILL INTERFERE WITH VEGETATION ESTABLISHMENT OR MAINTENANCE OPERATIONS. ADD SPECIFIED SOIL AMENDMENTS AND MIX THOROUGHLY INTO UPPER 6 INCHES OF TOPSOIL.
4. FERTILIZER: CONTRACTOR SHALL PERFORM A SOIL TEST PRIOR TO SEEDING AND APPLICATION OF ANY SOIL AMENDMENTS, AND SUBMIT RESULTS OF SOIL TESTS TO LANDSCAPE ARCHITECT FOR APPROVAL. APPLY ALL AMENDMENTS PER SOIL TEST RECOMMENDATIONS. SPREAD LIME AND FERTILIZER UNIFORMLY OVER ALL AREAS IMMEDIATELY BEFORE FINAL LAND PREPARATION AND MIX THOROUGHLY WITH THE SOIL.
5. PERMANENT VEGETATIVE COVER OF AT LEAST 85% IS REQUIRED FOR FINAL ACCEPTANCE.
6. REPAIR AND RESEED ALL ERODED OR DISTURBED SEEDED AREAS WHERE VEGETATIVE COVER HAS NOT BEEN ESTABLISHED.
7. THE CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTENANCE OF SEEDED AREAS UNTIL 85% PERMANENT GRASS COVER IS ESTABLISHED AND SEEDED AREAS EXHIBIT HEALTHY AND VIGOROUS GROWTH AS DETERMINED BY LANDSCAPE ARCHITECT.
8. APPLY A 1/2" TO 3/4" LAYER OF THRASHED RYE, OAT, OR WHEAT STRAW. APPLY MULCH ON ALL SEEDED AREAS IMMEDIATELY FOLLOWING SEEDING OPERATIONS. MAINTAIN A COVER OF MULCH UNTIL SEEDS HAVE GERMINATED AND SEEDLINGS ARE A MINIMUM OF 2" HEIGHT AND MOWING OPERATIONS HAVE BEGUN. FIELD ADJUST FOR UNIFORM COVERAGE.

SEEDING NOTES CONTINUED

16. SEEDING IS TO BE DONE AS AREAS ARE READY. IF THE CONSTRUCTION SCHEDULE ALLOWS, SEEDING APPLICATION SHOULD BE DONE ACCORDING TO THE OPTIMUM SEEDING DATES DEPICTED IN THE SEEDING SCHEDULE. A TEMPORARY SEED AND APPLICATION IS TO BE ADDED TO THE SEED MIX DURING THE DATES LISTED IN THE SEED SCHEDULE. TIMING OF SEEDING IS TO BE AS NOTED ON DRAWINGS OR SPECIFICATIONS.
17. THE VENDOR SHALL NOTIFY THE LANDSCAPE ARCHITECT BEFORE SHIPMENTS ARE MADE SO THAT ARRANGEMENTS CAN BE MADE FOR INSPECTION AND TESTING OF STOCK.
18. AT THE DISCRETION OF THE LANDSCAPE ARCHITECT , SAMPLES OF THE SEED MAY BE TAKEN FOR CHECK AGAINST THE CERTIFIED LABORATORY REPORT. SAMPLING AND TESTING WILL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TENNESSEE DEPARTMENT OF AGRICULTURE.

TOPSOIL CHARACTERISTICS

1. NATURAL, FERTILE, FRIABLE, PRODUCTIVE SOIL, FREE OF TOXIC SUBSTANCES, CONSTRUCTION DEBRIS, STONES, SUBSOIL, CLAY LUMPS, HARDPAN, ROOTS, STUMPS, BRANCHES, STICKS AND OTHER DEBRIS LARGER THAN TWO INCHES IN ANY DIMENSION; FREE OF NOXIOUS WEEDS, GRASSES, SEEDS, PLANTS, EXTRANEOUS MATTER AND ANY SUBSTANCE HARMFUL TO PLANT GROWTH. THE SOIL SHOULD FALL IN THE FOLLOWING RANGES:
- pH 5.0-7.0
- ORGANIC MATTER 5% TO 10%
- SAND 30% TO 50%
- SILT LESS THAN 30%
- CLAY 10% TO 25%

TREES SHOULD BE PLANTED IN NOVEMBER THROUGH MARCH

BARGE DESIGN SOLUTIONS
5201 West Summit Hill Drive / Suite I 202 / Knoxville, Tennessee 37912
PHONE (865) 637-2810 / FAX (865) 675-6554

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LANDSCAPE NOTES

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REVISION INFORMATION			
REV.	DES.	CHK.	DESCRIPTION / DATE
	AG	AB	10/10/25 DEVELOPMENT PLAN RESUBMITTAL

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PERMIT NUMBERS:

DATUM: NAVD88 GEOID03

BENCHMARK:

N

200' 100' 0' 200' 400'
SCALE: 1 INCH = 200 FEET

L7.01

FILE NO. 37122-78

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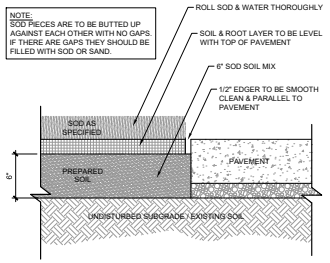
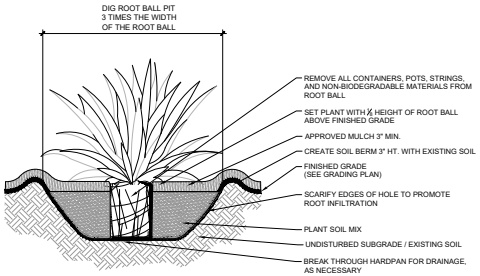
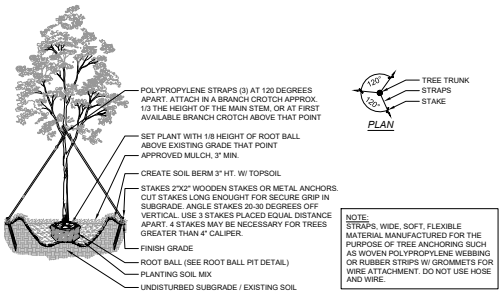
SAVED:10/9/2025
PLOTTED:2/6/2026



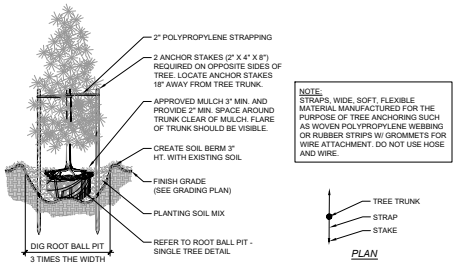
1 L7.02 SOD PLANTING
1 1/2" = 1'-0"



2 L7.02 GROUNDCOVER PLANTING
1 1/2" = 1'-0"
P-MC1-12



3 L7.02 DECIDUOUS TREE PLANTING
1" = 1'-0"



4 L7.02 EVERGREEN TREE PLANTING
1" = 1'-0"

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LANDSCAPE DETAILS

DEVELOPMENT PLAN
HORIZON VIEW
8703 & 8707 JOE DANIELS ROAD
KNOXVILLE, TN 37931

REVISION INFORMATION			
REV.	DES.	CHK.	DESCRIPTION
1	AG	AB	DATE: 12/10/25 DEVELOPMENT PLAN
2	AG	AB	01/15/26 DEVELOPMENT PLAN RESUBMITTAL

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N

100' 50' 0' 100' 200'
SCALE: 1 INCH = 100 FEET

L7.02
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USER:KADAHL
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XR:ARCH_XR0.dwg
PLOTTED:01/28/2026

DEVELOPMENT PLAN

ROADWAY AND SITE LIGHTING DESIGN NARRATIVE - HORIZON VIEW

BY: Thomas Williams

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EXECUTIVE SUMMARY

1.0 INTRODUCTION

The Horizon View project consists of a proposed new development that will include internal roadways, pedestrian walkways, parking areas, and associated site infrastructure. The purpose of the roadway and site lighting design is to provide safe, functional, and energy-efficient illumination for vehicular and pedestrian circulation throughout the development. The lighting system is intended to enhance nighttime visibility, improve safety for motorists and pedestrians, and provide consistent illumination along the internal roadway network, parking areas, and adjacent walkways.

Lighting and facility design for the buildings indicated on these concept plans shall be excluded; however, architectural lighting will be incorporated as part of the individual building designs (by others), including façade lighting and required egress illumination.

2.0 DESIGN CRITERIA

The lighting design for the Horizon View development has been developed in accordance with industry accepted site lighting practices and recommended illumination levels for low-volume roadways within private developments.

- The roadway lighting system along the primary development roadway is designed to achieve an average maintained horizontal illumination level between **0.5 and 1.0 foot-candles (fc)** along the driving surface.
- Lighting systems located within parking lots and in proximity to mixed-use buildings shall achieve an average maintained horizontal illumination level between **1 and 2 foot-candles (fc)**.

These illumination ranges provide adequate visibility while maintaining an efficient lighting system that minimizes glare and excessive light spill.

2.1 BASIS OF DESIGN – ROADWAY LIGHTING

The basis of design for the primary roadway lighting system utilizes the following components:

- **Pole Height:** 25-foot mounting height
- **Luminaire:** Lithonia DSX0 LED roadway luminaire
- **Distribution Type:** Type III (forward throw distribution suitable for roadway and pathway applications)
- **Color Temperature:** 3000K LED
- **Mounting Configuration:** Pole-mounted luminaires along the roadway corridor

The Lithonia DSX0 fixture has been selected for its energy efficiency, durability, and optical performance. The Type III distribution provides a forward-throw lighting pattern well suited for roadway applications where fixtures are located along one side or staggered along both sides of the roadway.

Typical spacing between poles shall be approximately **80 feet**, allowing light to effectively reach across travel lanes and adjacent pedestrian areas while maintaining controlled light levels and reducing unnecessary spill light.

Final lighting fixtures may be altered or substituted with comparable fixtures that provide similar performance characteristics and optical distribution. Street lighting will be powered from various load centers distributed throughout the development.

2.2 BASIS OF DESIGN – PARKING LOT AND SITE LIGHTING

Lighting for parking areas, residential streets, and mixed-use portions of the development will utilize a similar LED lighting approach designed to provide safe and uniform illumination while maintaining a pedestrian-friendly scale.

The basis of design for parking lot and site lighting includes:

- **Pole Height:** 20-foot mounting height
- **Luminaire:** Lithonia DSX0 (or approved equal)
- **Distribution Type:** To be determined based on final layout and photometric analysis (anticipated Types III, IV, or V as appropriate)
- **Color Temperature:** 3000K LED
- **Mounting Configuration:** Pole-mounted luminaires throughout parking and site circulation areas

Final luminaire distribution types will be selected during the detailed design phase to provide appropriate light coverage for parking stalls, internal drive aisles, and pedestrian circulation areas while maintaining uniformity and minimizing glare. Final lighting fixtures may be altered or substituted with comparable fixtures that provide similar performance characteristics and optical distribution.

Parking lot lighting will be powered from the electrical system of the associated building that the parking area serves. These systems will include provisions for emergency lighting where required to satisfy applicable egress and life safety requirements.

2.3 BASIS OF DESIGN – BUILDING LIGHTING

Lighting for building exteriors, entry conditions, and adjacent outdoor areas will utilize a coordinated LED lighting approach that enhances architectural character while providing safe and effective illumination for occupants and visitors. The design emphasizes a balance between decorative façade lighting, secure egress illumination, and general-purpose downlighting, all at a pedestrian-friendly scale. Overall, building-mounted lighting will be relatively minimal in comparison to site lighting; outside of required egress and localized architectural applications, the majority of site illumination will be provided by the pole-mounted fixtures previously described.

The basis of design for exterior building-mounted lighting includes:

- **WP1 – Lithonia WMCL4**
  This fixture will be used as an architectural cylinder luminaire at primary building entries and along decorative façade elements. It will provide up/down or directional accent lighting (as applicable) to highlight vertical surfaces, enhance wayfinding, and contribute to the overall visual identity of the development.
- **WP2 – Lithonia WPX2**
  This forward-throw wall pack will be utilized for egress pathways, service areas, and select building perimeters requiring enhanced security lighting. The fixture distribution will be selected to provide adequate horizontal and vertical illumination while minimizing glare and light trespass.
- **D1 – Gotham 6"Wet Rated Downlight**
  These recessed downlights will be installed in soffits and covered exterior conditions, including balconies and entry overhangs. They will provide general ambient lighting with a clean, integrated appearance suitable for residential and mixed-use applications.

General Design Criteria:

- **Color Temperature:** 3000K LED throughout for a warm, cohesive appearance
- **Mounting Conditions:** Wall-mounted and soffit-integrated fixtures coordinated with architectural elements. Exact mounting heights, locations, and outputs to be determined in detailed design phase.
- **Lighting Performance:** Designed to achieve appropriate illumination levels for entries, balconies, and egress paths while maintaining visual comfort and minimizing glare
- **Controls:** Fixtures will be controlled via building lighting control systems, including photocells and/or timeclock scheduling for energy efficiency and code compliance

Final fixture configurations, optical distributions, and mounting details will be refined during the detailed design phase to ensure appropriate light levels, visual comfort, and compliance with applicable codes and standards. Equivalent fixtures may be considered, provided they meet the design intent and performance requirements

2.4 POLE PLACEMENT AND SPACING

Light poles along the primary roadway will generally be spaced to achieve the target illumination levels while maintaining uniform lighting conditions. The approximate spacing between poles will be **80 feet on center**, with final spacing and placement verified through photometric analysis during the detailed design phase.

Poles throughout the site will be positioned to minimize conflicts with driveways, sidewalks, utilities, landscaping, and other site features while maintaining consistent coverage of roadway, parking, and pedestrian areas.

2.5 LIGHTING CONTROLS AND EFFICIENCY

All luminaires will utilize LED technology with a **3000K color temperature**, providing a warm white light that enhances visual comfort while reducing harsh glare often associated with higher color temperatures. LED fixtures offer long service life, reduced maintenance requirements, and improved energy efficiency compared to traditional lighting sources.

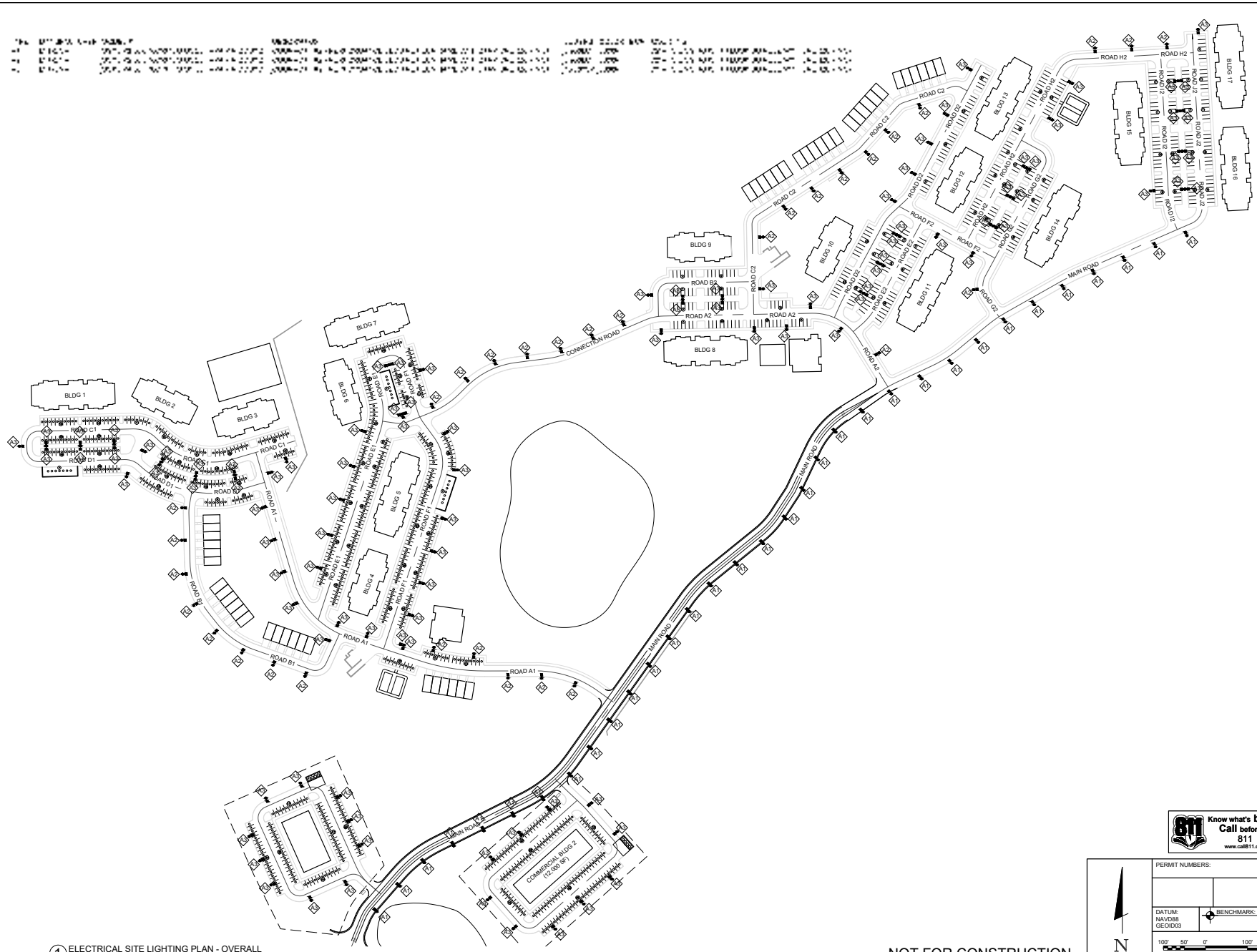
Fixtures will be controlled through integral photocells that automatically activate lighting during low ambient light conditions and deactivate the system during daylight hours.

2.6 GLARE, LIGHT TRESPASS, AND SHIELDING CONSIDERATONS

Lighting throughout the development will be positioned and aimed at minimizing light trespass onto adjacent properties and buildings. Where feasible, luminaires will be oriented away from building facades and directed toward roadways, parking areas, and pedestrian paths to maintain effective illumination while reducing unwanted light spill.

In areas where fixtures are located near buildings or property boundaries, house-side shielding will be incorporated as necessary to further control light distribution and limit glare and spill light. These measures help maintain nighttime visual comfort for residents and occupants while preserving overall lighting performance.

APPENDIX A –
CONCEPT DRAWINGS



1 ELECTRICAL SITE LIGHTING PLAN - OVERALL

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SCALE: 1 INCH = 100 FEET

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ELECTRICAL SITE LIGHTING PLAN - OVERALL

DEVELOPMENT PLAN
HORIZON VIEW
9707 JOE DANIEL RD
KNOXVILLE, TN 37931

ES100

FILE NO. 37122-78

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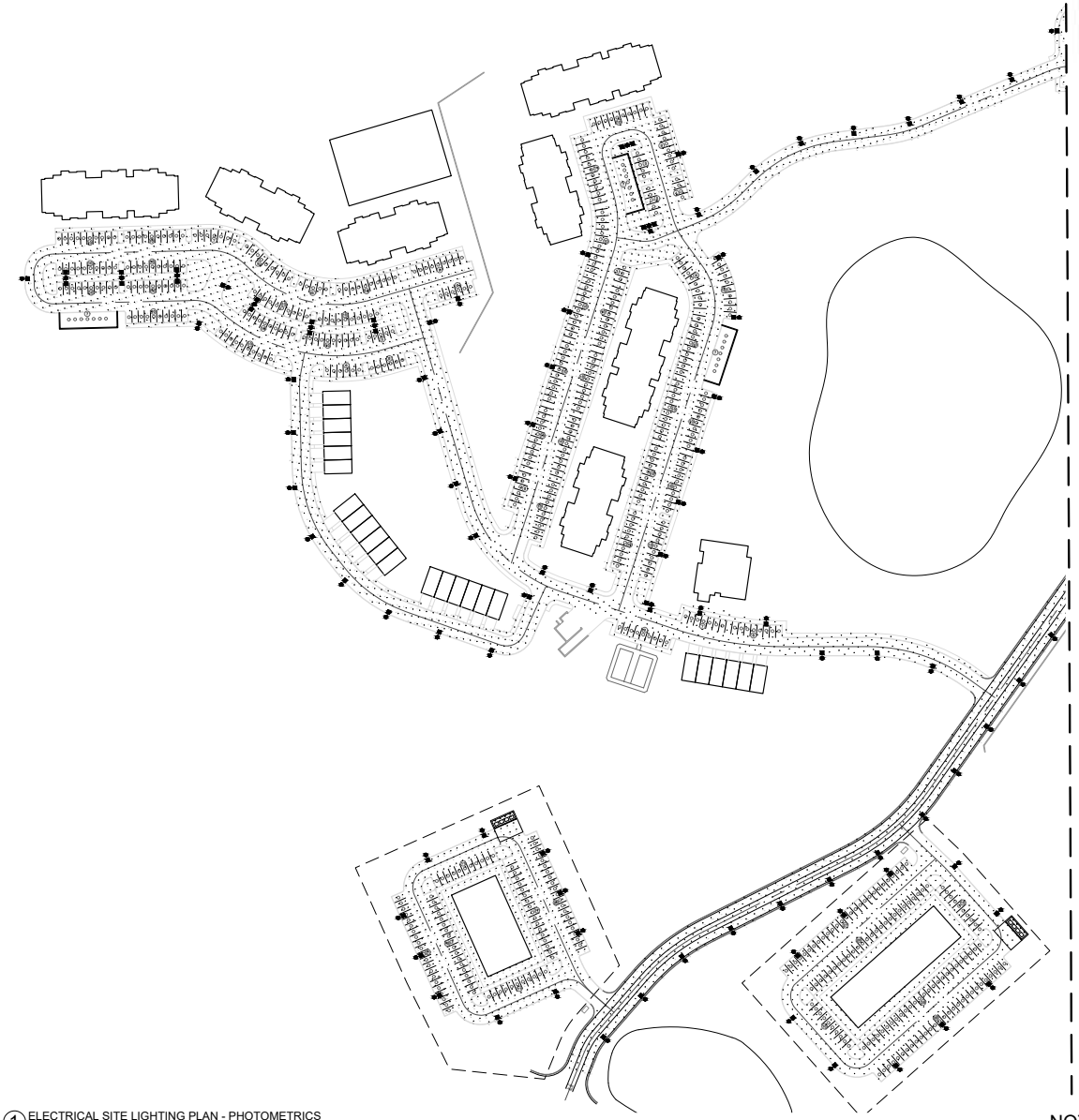
PLOTTED:4/21/2026



1 ELECTRICAL SITE LIGHTING PLAN - PHOTOMETRICS

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N

80' 40' 0' 80' 160'
SCALE: 1 INCH = 80 FEET

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ELECTRICAL SITE LIGHTING PLAN - PHOTOMETRICS

DEVELOPMENT PLAN
HORIZON VIEW
8707 JOE DANIEL RD
KNOXVILLE, TN 37931

USER:MVTWILLIAMS
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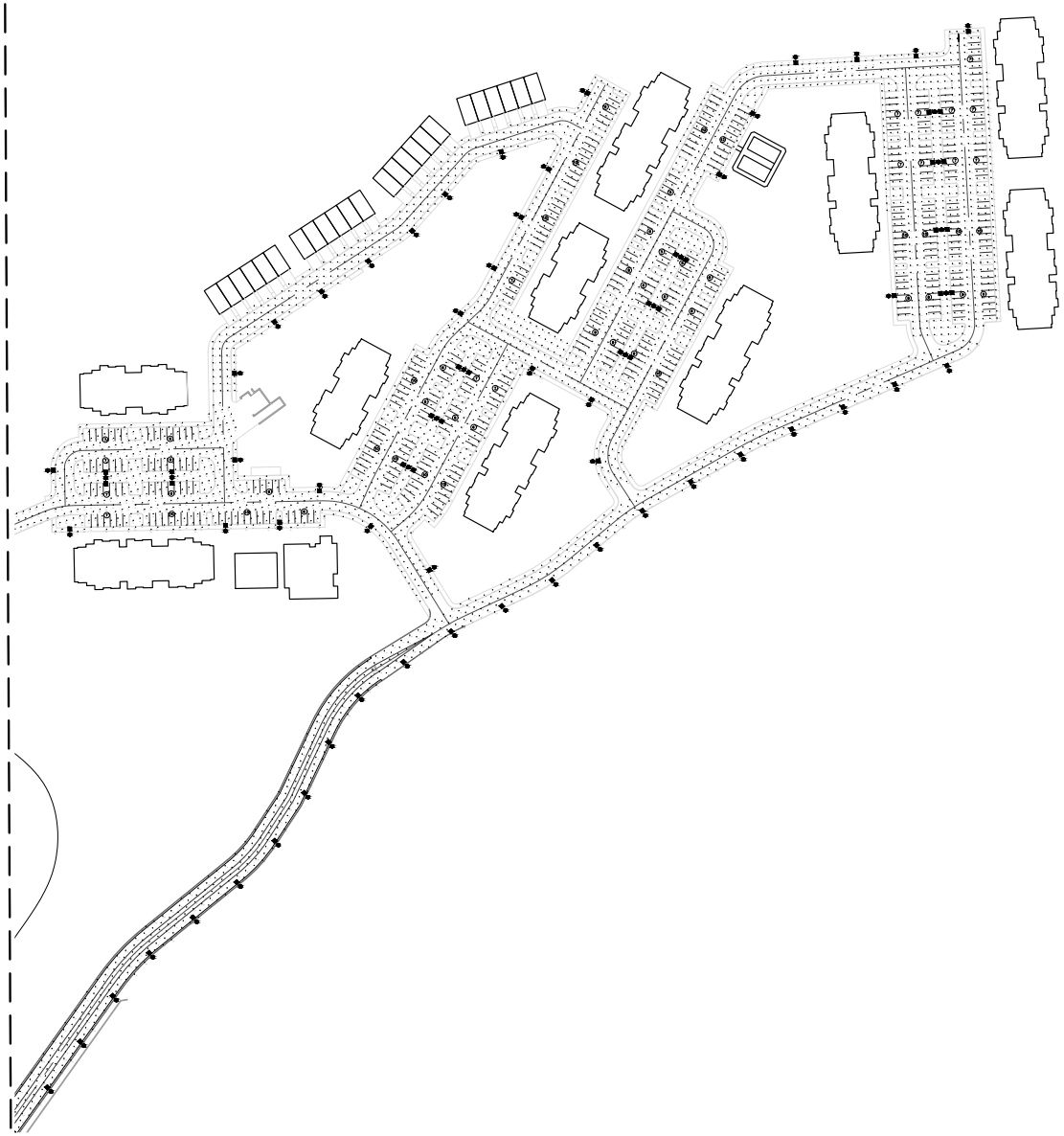

1 ELECTRICAL SITE LIGHTING PLAN - PHOTOMETRICS

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ELECTRICAL SITE LIGHTING PLAN - PHOTOMETRICS

DEVELOPMENT PLAN
HORIZON VIEW
8707 JOE DANIEL RD
KNOXVILLE, TN 37931

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80' 40' 0' 80' 160'
SCALE: 1 INCH = 80 FEET

REV.	DR.	CHK.	DATE	REVISION INFORMATION DESCRIPTION

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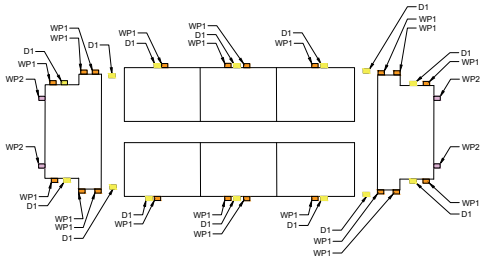
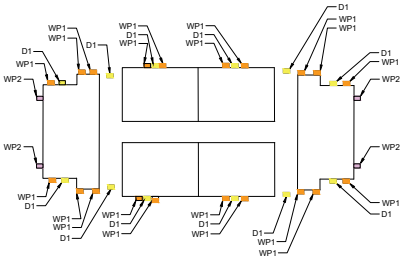
STATE PLANE:NAD83
PLOTTED:4/21/2026

GENERAL NOTES:

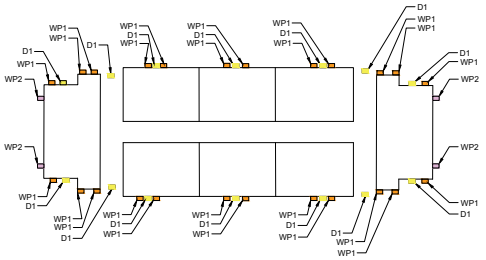
1. LIGHTING LAYOUT IS CONCEPTUAL; REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR ADDITIONAL DETAILS. FINAL CONSTRUCTION MAY VARY AND IS SUBJECT TO THE FINALIZED BUILDING DESIGN.



1 LIGHTING - BUILDING TYPE 'A'



2 LIGHTING - BUILDING TYPE 'B'



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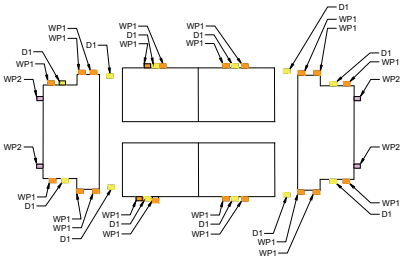

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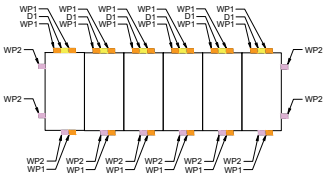
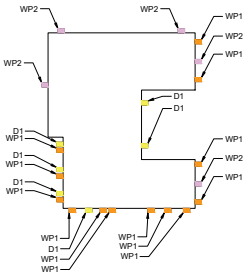


5 LIGHTING - TOWNHOUSES



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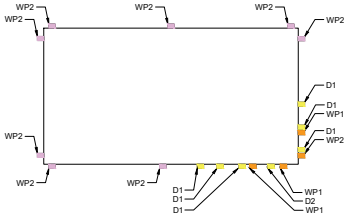
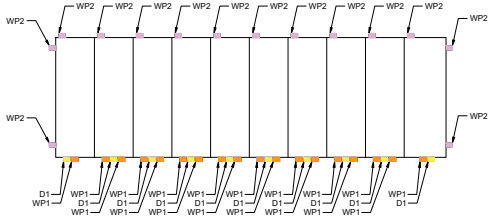
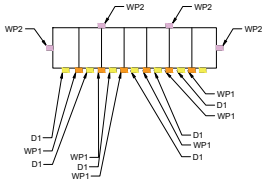


7 LIGHTING - COMMERCIAL BUILDING '1'



8 LIGHTING - COMMERCIAL BUILDING '2'



9 LIGHTING - GARAGE BUILDINGS

[redacted]

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ELECTRICAL LIGHTING PLANS - BUILDINGS

DEVELOPMENT PLAN
HORIZON VIEW
8707 JOE DANIEL RD
KNOXVILLE, TN 37931

REV.	DR.	CHK.	DATE	DESCRIPTION

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SCALE: 1 INCH = 80 FEET

ES103

FILE NO. 37122-78

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SHEET:ES103
PLOTTED:4/23/2026

APPENDIX B –
CUTSHEETS AND BROCHURES

D-Series LED Area Luminaires

Next Level Area Lighting Solutions

FIXTURES:
A1,A2,A3

LITHONIA LIGHTING®

A New Standard of Excellence and Performance

For over 10 years, the legacy D-Series family has been a favorite of industry professionals for use on exterior lighting projects. Now, the fully redesigned D-Series, is once again changing the game and bringing area lighting to a new level of excellence and performance.

D-Series blends seamlessly into any environment with its continuous body design and combination of fully integrated nLight® AIR network controls to create a refined and contemporary look while providing the lumens you need.

DSX2
20,000 to 60,000 lumens

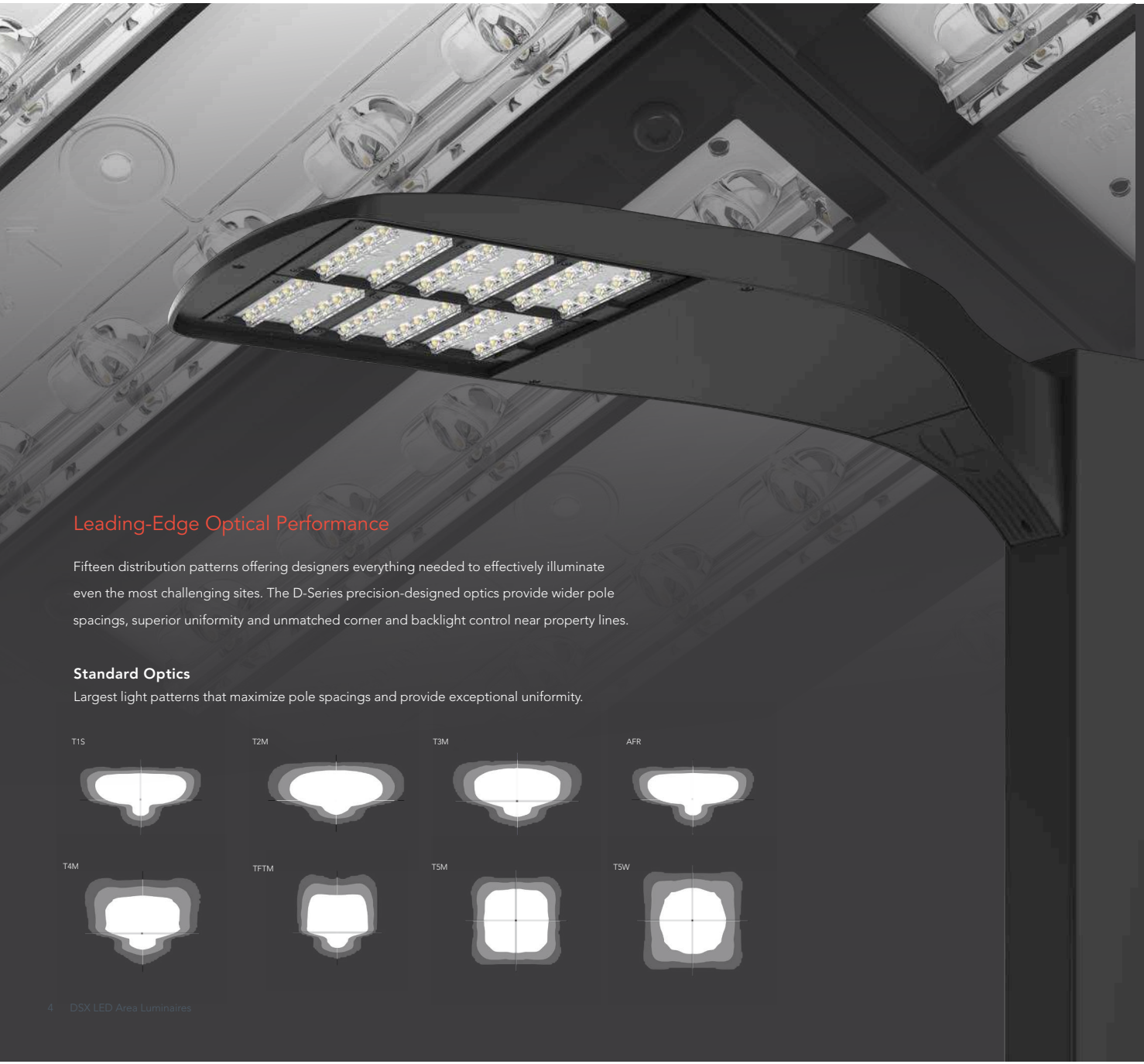
DSX1
7,000 to 35,000 lumens

DSX0
5,000 to 21,000 lumens

D-Series LED Area Luminaire Family

An unmatched combination of features, options, and performance to take your design to the next level.

Available in three sizes with excellent scale to mounting height ratios, the D-Series family can meet the full range of application requirements and your projects most demanding needs.



Leading-Edge Optical Performance

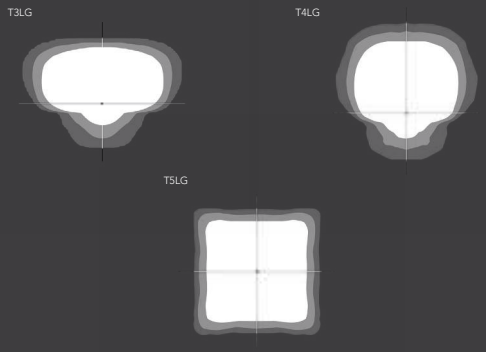
Fifteen distribution patterns offering designers everything needed to effectively illuminate even the most challenging sites. The D-Series precision-designed optics provide wider pole spacings, superior uniformity and unmatched corner and backlight control near property lines.

Standard Optics

Largest light patterns that maximize pole spacings and provide exceptional uniformity.

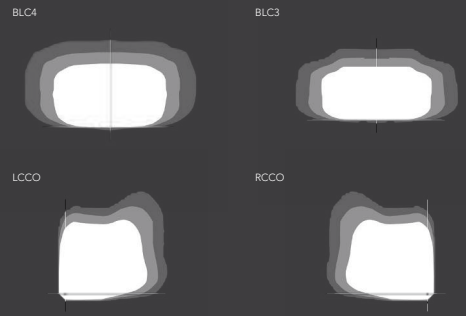
Low G Optics

Controls high angle light and maximizes lumens while maintaining a Low G in the BUG rating.



Backlight and Corner Control Optics

Unmatched corner and backlight control solutions for applications where precision control is required behind the pole, at property lines and perimeters.



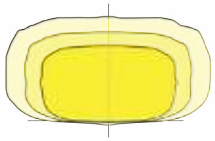
Backlight Control

The state-of-the-art BLC optics reduce light behind poles while providing excellent forward and lateral projection. Poles can be strategically placed near adjacent property or boundary lines while achieving optimal curb line results.

D-Series BLC Backlight Control Benefits

- As little as 0.5% of total light behind pole
- Shortest distance to zero foot-candles
- BUG – B=0 with up to 43,000 lumens

BLC4



Ultimate Configurability

Exterior lighting demands a product that can perform and be configured to exact needs. The fully configurable D-Series provides the necessary standard features and a large breadth of key options allowing industry professionals to tailor their designs to the needs of the project.

Configurations

- Three sizes offering 5,000 to 60,000 lumens for front-to-back site design
- Fifteen photometric distributions provide solutions for a large array of standard and specialty applications
- Large range of standard CCT's available: 2700K/3000K/3500K/4000K/5000K
- Standard 70/80 CRI and optional 90 CRI
- Four standard colors with textured and non-textured finish and over 120 RAL colors and custom match options available

Features and Specialty Options

- Durable and long-lasting silicone lens is resistant to elements and will not yellow
- Integral arm universal mount option fits a range of pole drillings
- Optional added corrosion protection for applications in coastal areas
- Two amber LED solutions available including turtle-friendly
- Solar configurations offer ability to reduce carbon footprint and placement of luminaires in remote areas

Control Options

- NLTAIR2 PIRHN: nLight® AIR network based wireless controls offering group dimming
- PIR: Integral motion/ambient sensor
- DS: Dual switching provides luminaire wired with two circuits allowing for 50/50 operation
- BL30/BL50: Integral bi-level dimming device allows for a second circuit to switch the luminaire to either 30% or 50% light output
- FAO: Field adjustable output device allows dimming through an internal switch

nLIGHT

nLight™

- Site-wide controls solution
- Motion sensing dusk-to-dawn photocontrol
- Wireless grouping
- Smart phone commissioning

From a trusted brand with over 75 years of lighting history, discover what's next with the all-new D-Series from Lithonia Lighting®.

To learn more about D-Series Area Luminaires, visit www.LithoniaLighting.com

Join the conversation - follow us on social media.

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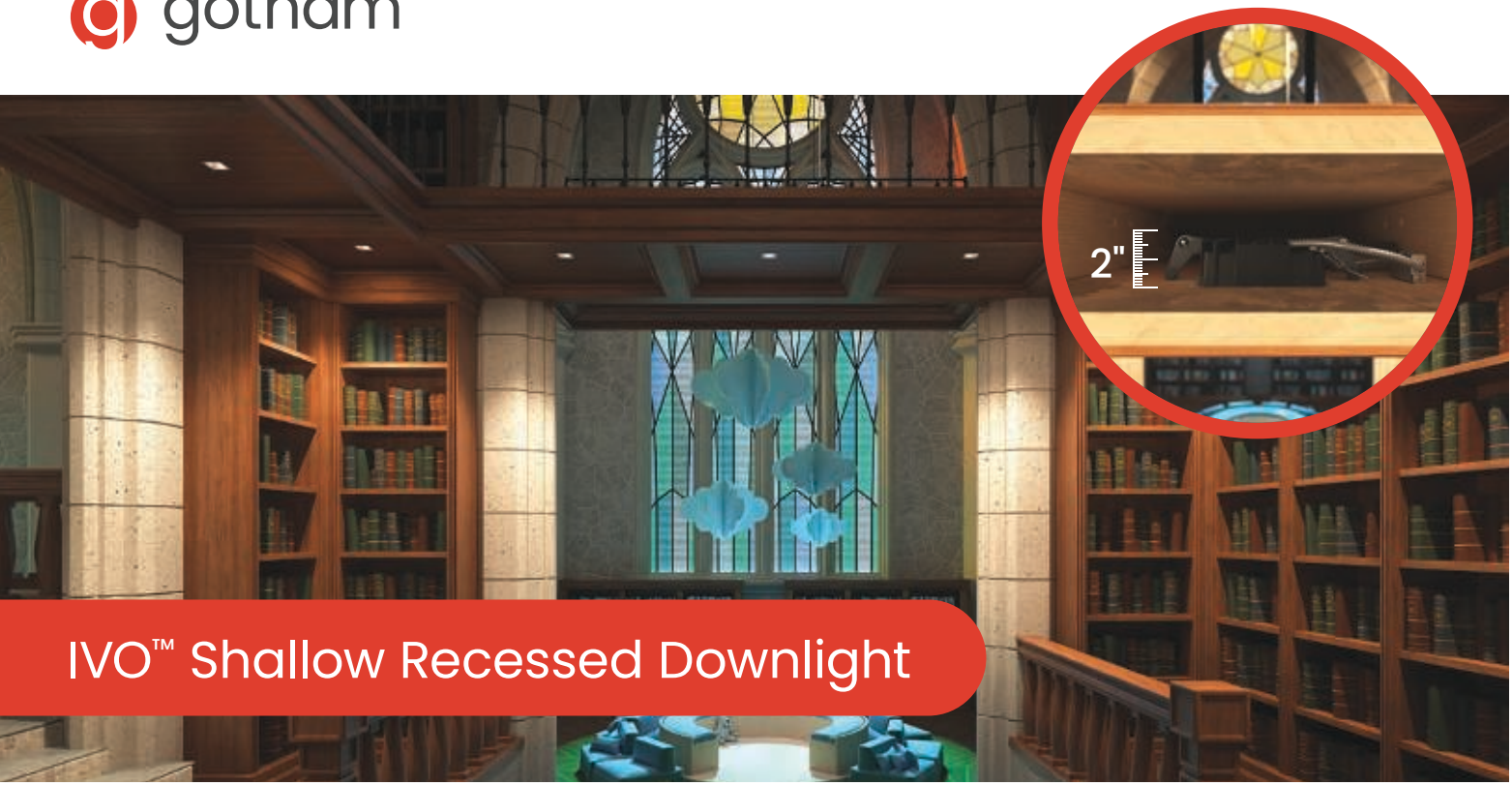
gotham



IVO™ Shallow Recessed Downlight

FIXTURE: D1

Small in Size, **Big in Impact**

The next generation of downlighting starts with the shallowest recessed downlight family that fits in any space as shallow as 2-inches, while pushing the boundaries that goes beyond fitting into tight ceiling spaces.

New Construction

Remodel

Empowering Better Lighting

- Introducing our new perfect color consistency as a standard option which will lead the industry with a 0.5-step MacAdam ellipse from fixture to fixture.
- Proprietary optics coupled with an advanced light engine and Bounding Ray™ Optical Design delivers a true uniformed, batwing distribution for smooth illumination and a comfortable experience for occupants in the space.

Experience Unlimited Adaptability

- Interchangeable trims and optics are designed for field-serviceability from below the ceiling with our twist and lock mechanism.
- Choose between remodel and new construction installation in a 4" and 6" aperture size in round or square, open cone or lensed wall wash, and flange or flangeless in a variety of finishes and trim colors.

Low Profile with Ease of Installation

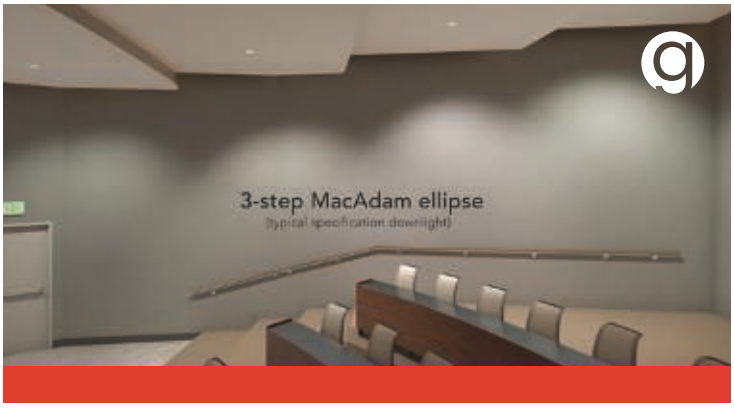
- This compact downlight is designed to fit into spaces as shallow as 2" of plenum depth fitting a 4" aperture, or 3.5" of plenum depth fitting a 6" aperture.
- Even in tight spaces, installation is effortless from below the ceiling with LED quick connects and patented constant tension springs.

Sizeable Performance

- This compact downlighting family delivers up to 3,000 lumens from a 4-inch aperture, and up to 5,000 lumens from a 6-inch aperture.
- Supports universal dimming to 1% through 0-10V, 120V Triac, and ELV protocols, and is available with nLight® wired or wireless lighting controls to further enhances control options.

Empowering Better Lighting

Achieving perfect color consistency is essential for creating visually appealing and harmonious environments in architectural spaces. It ensures that every light source seamlessly matches in color temperature, enhancing overall aesthetics and providing a high-quality and uniform illumination experience across various applications. IVO™ will set a new industry standard with a 0.5-step MacAdam ellipse rather than a 3-step MacAdam ellipse among typical specification downlights.



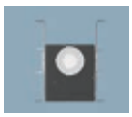
Unlimited Adaptability & Sizeable Performance

Size


4-Inch


6-Inch

Shape


Round


Square

Flange Style


Flanged


Flangeless

Function


Downlight


Wallwash

Other


Chicago Planum


ICAT

Color Temperature

2700K 3000K 3500K 4000K 5000K

Lumen Output

500LM | 750LM | 1000LM | 1500LM
2000LM | 2500LM | 3000LM
3500LM (6") | 4000LM (6") | 5000LM (6")

Color Rendering

80CRI | 90CRI
95+CRI

Distributions

- Medium (0.8)
- Medium Wide (1.0)
- Wide (1.2)

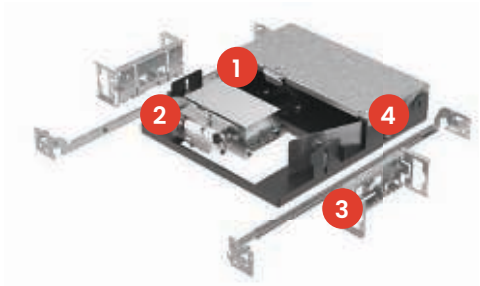
Control Options

- Dimming from 10%, 1% and 0.1%
- MVOLT, 120V, 277V, 347V (integral)
- Drivers ZT, EZT, DMX, DALI, EVL
- nLight®, nLight® AIR

Emergency Battery Backup Options

- Integral 6W Emergency Battery

Keeping a Low Profile With Ease of Installation



1. Patent pending locking mechanism holds driver in place and enables ease of serviceability.
2. Easy access to driver which is on sled with a guiding tab to allow for easy insert.
3. Easy to use access door to store wiring and lock in place.
4. Junction box design with extra room for ease in wiring.

1. The junction box hinge unites driver box with junction box and hinges to allow driver box to easily get through ceiling openings with plenum height restriction as shallow as 2".
2. Junction box design with extra room for ease in wiring.

1. Self contained springs create consistent force that pulls the module and trim against the ceiling for a secure installation experience.
2. Optics and trims are easily field interchangeable using a twist lock mechanism.
3. Strain relief connection and enhance flexibility of the whip enable ease of movement while protecting light engine wires.

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AcuityBrands.

WMCL Wall Mount Cylinders, 4" and 6"

FIXTURE: WP1

36 Configurations, One Lighting Solution

Lithonia Lighting® WMCL Wall Mount Cylinders seamlessly blend style and function, offering 36 configurations in one SKU for customizable, effortless illumination.

Available in two sizes—WMCL4 (2,400 lumens) and WMCL6 (4,700 lumens)—these cylinders provide optimal lighting for residential and commercial projects alike. Built-in switches allow you to choose light direction—up, down, or both, color temperature and an on/off photocell, giving you full control. Luminaire is rated IP66 to ensure longevity even during harsh conditions.

Designed for walkways, entryways, or general illumination, WMCL Wall Mount Cylinders deliver a tailored, professional wall mount lighting solution.

WMCL6

WMCL4

Features & Benefits:

- Easily adjust lighting direction with a built-in switch to choose Up, Down, or Both
- Switchable CCT of 3000K, 4000K and 5000K for adaptable lighting
- Available in 45° and 75° beam angles to suit various applications
- Integrated dusk-to-dawn functionality with a built-in photocell for automatic operation
- Optional emergency battery backup for reliable illumination during power outages

SUPER SKU

3 CCT SWITCHABLE

DUSK TO DAWN CRÉPUSCULAIRE

66 IP RATED

DLC LISTED PREMIUM

WMCL Wall Mount Cylinders, 4" and 6"

Switchable Features for Customizable Illumination

With Lithonia Lighting® Wall Mount Cylinders, you can effortlessly customize your lighting to suit any space. The switchable options for color temperature, lighting direction, and photocell functionality make it easy to adapt to any application, ensuring the perfect light for every environment.

Catalog Number	Size	Wattage	Lumens @50K	LPW	Beam Spread	Color	CCT	Voltage	Photocell	Emergency Battery	CI Code	Lead Time
WMCL4 P1 SWW2 A45 UVOLT PE DDBXD M4	4"	19	2,479	130	45°	Dark Bronze	30K 40K 50K	UVOLT	On/Off	No	2877PY	Stock
WMCL6 P1 SWW2 A45 UVOLT PE DDBXD M4	6"	31	4,728	153	45°	Dark Bronze	30K 40K 50K	UVOLT	On/Off	No	2877R1	Stock
WMCL4 P1 SWW2 A75 UVOLT PE DDBXD M4	4"	19	2,433	128	75°	Dark Bronze	30K 40K 50K	UVOLT	On/Off	No	2903FT	Stock
WMCL6 P1 SWW2 A75 UVOLT PE DDBXD M4	6"	31	4,520	146	75°	Dark Bronze	30K 40K 50K	UVOLT	On/Off	No	2903FU	Stock
WMCL4 P1 SWW2 A75 MVOLT PE E4WC DDBXD M4	4"	19	2,479	130	75°	Dark Bronze	30K 40K 50K	MVOLT	On/Off	Yes	291271	10 Days
WMCL6 P1 SWW2 A75 MVOLT PE E4WC DDBXD M4	6"	31	4,520	146	75°	Dark Bronze	30K 40K 50K	MVOLT	On/Off	Yes	291273	10 Days
WMCL4 P1 SWW2 A45 MVOLT PE E4WC DDBXD M4	4"	19	2,433	128	45°	Dark Bronze	30K 40K 50K	MVOLT	On/Off	Yes	291277	10 Days
WMCL6 P1 SWW2 A45 MVOLT PE E4WC DDBXD M4	6"	31	4,728	153	45°	Dark Bronze	30K 40K 50K	MVOLT	On/Off	Yes	29127G	10 Days

FIXTURE:
WP2

WPX LED
Full Cut-off Wall Packs

Customer Training – July 2020

Note: Product Specifications subject to change without notice.

Elevator Pitch – Architectural Looks at Stock Prices

LED wall packs provide significant energy-savings when replacing existing HID wall packs. To date, your customers have had to sacrifice aesthetics and performance in order to get the desired low initial cost. The Lithonia Lighting® WPX family of LED wall packs is the only solution that meets customers' need for an aesthetically appealing form, photometric performance and low initial cost. The result are installations that your customers can be proud of for both their sustainability and their architecture.

With three sizes and lumen packages of 1,550 – 9,200 lumens the Lithonia Lighting® WPX family is a site-wide solution, replacing up to 400W HID wall packs. And since the WPX footprints are larger than that of typical HID glass wall packs, they fully cover unsightly stains, resulting in a neat application without the need for additional patch and repair. Emergency egress battery, photocell, CCT and finish options make the WPX configurable to meet the needs of any application.

The Lithonia Lighting® WPX is the new standard in wall-mounted lighting providing customers with the architectural form and photometric performance they want at the low initial cost they need.

LITHONIA LIGHTING

The Lithonia Lighting® WPX Story: Features and Benefits Video

Lithonia WPX LED Wall Packs

The Better Distributor Stock Solution

LITHONIA LIGHTING

A Complete Wall Pack Solution



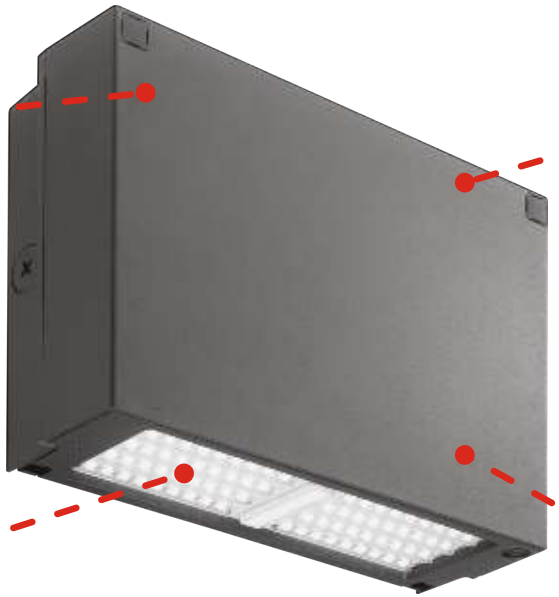

	WPX1 P1	WPX1 P2	WPX2	WPX3
Lumen Output	1,550	2,900	6,000	9,200
Input Power	11W	24W	47W	69W
Efficacy	136	121	127	133
HID Replacement	35W - 70W	100W - 175W	250W	400W
Dimensions	11.1” x 8.1” x 3.2”	11.1” x 8.1” x 3.2”	12.3” x 9.1” x 4.1”	13” x 9.5” x 5.5”

- Architectural design
- Covers HID wall pack stains
- Superior illumination
- Easy to install
- Integral emergency battery options
- DLC Listed
- Affordably priced
- Always in stock

LITHONIA LIGHTING

Lithonia WPX – Better Wall-Mounted Lighting

Architectural Design:
Clean lines seamlessly blend with the architecture of any building



More Options:
CCT, photocell, emergency egress battery options

Better Illumination:
Wider spacing and less glare than COB-based products

Easy to Install:
Integrated wiring compartment,
Footprint covers stains

LITHONIA LIGHTING


Clean lines and a simple geometric shape is preferred by lighting designers and architects.

A uniform, wide lighting distribution provides an illumination upgrade with greater luminaire spacing.

Better Illumination

- Wide, uniform distribution; Great for HID replacement and value engineered design-build
- LED array for minimal glare and visually pleasing illumination; No high intensity chip-on board LEDs that cause discomfort glare

The Better Solution for HID Glass Wall Pack Replacement

LED Glass Wall Packs

- Decades-old HID design
- Covers the stains
- Unwanted uplight - not cut-off

Yesterday's Solution

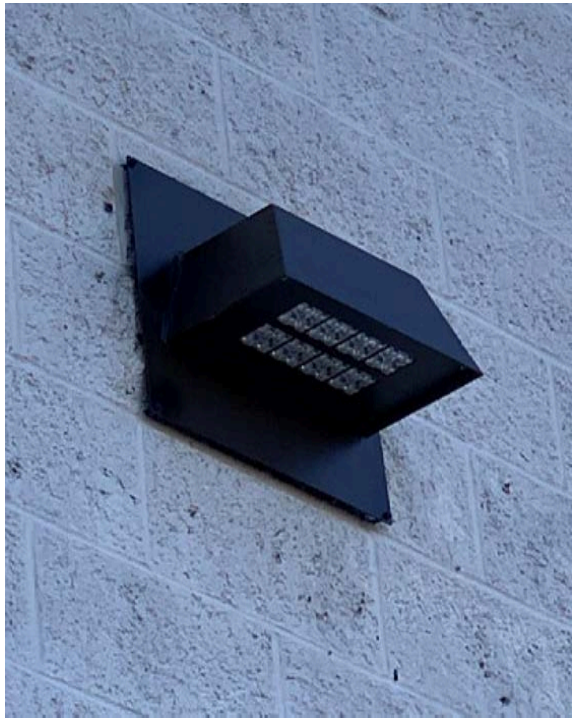
- Dated finned aesthetic
- Does not cover stains
- COB is extremely glary

Lithonia WPX

- Architectural design
- Fully covers the stains
- Superior illumination

LITHONIA LIGHTING

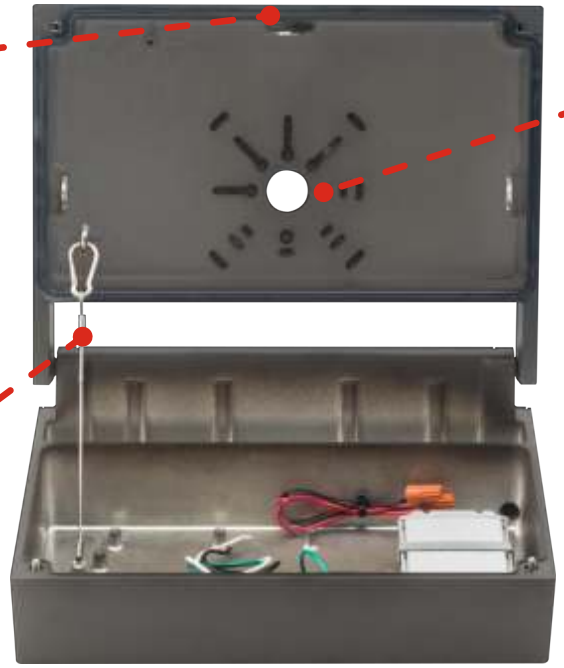
The Better Solution for HID Glass Wall Pack Replacement



Easy Installation

Three integral ½” NPT threaded conduit hubs for surface conduit

Contractor-friendly tether holds the WPX during installation



Mounts directly over standard recessed or surface-mount junction boxes

Emergency egress battery option is self-contained

LITHONIA LIGHTING

Easy Installation

1. Remove and set aside the beauty plugs. Loosen the screws. Detach the front half of the luminaire.

2. WPX installs directly on junction boxes, or with poke-through wiring.

3. Mount the back plate using the junction box screw hole pattern.

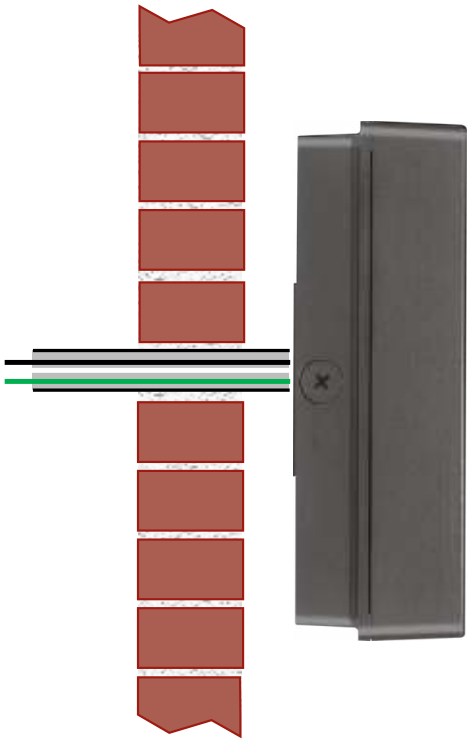
4. Attach the front half using the cable and hook.

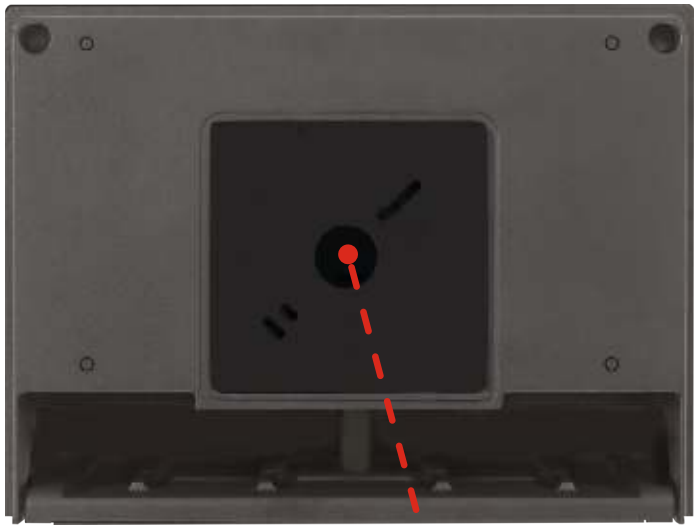
5. Make connections in the integral wiring compartment.

6. Close the luminaire. Fasten the screws, replace beauty plugs. Your WPX wall pack is ready to use!

The Lithonia Lighting® WPX: Installation Video

Easy Installation – Poke-Through Wiring





Integral junction box allows for easy installation with “poke-through” wiring found in corrugated metal buildings

Emergency Battery Pack Options

	Standard (0°C min)	Cold (-20°C min)
WPX1	4W (E4WH)	14W (E14WC)
WPX2	4W (E4WH)	14W (E14WC)

Sample Nomenclatures:
WPX2 LED 40K MVOLT **E4WH** DDBXD
WPX2 LED 40K MVOLT **E14WC** DDBXD

Multi-Volt (120V – 277V) Photocell Option

Multi-volt (120-277V) button photocell option for dusk-to-dawn operation.

Sample Nomenclature:
WPX2 LED 40K MVOLT **PE** DDBXD

Specification Sheet Ordering Tree

WPX LED

Series & Lumen Output	Color Temperature	Voltage	Options	Finish
WPX1 LED P1[1] 1,550 Lumens, 11W	**30K** 3000K	**MVOLT** 120-277V	**(blank)** None	**DDBXD** Dark Bronze
WPX1 LED P2 2,900 Lumens, 24W	**40K** 4000K	**347** 347V[3]	**E4WH** Emergency battery backup, CEC compliant (4W, 0°C min) (available with WPX1 and WPX2)[2]	**DWHXD** White
WPX2 LED 6,000 Lumens, 47W	**50K** 5000K		**E14WC** Emergency battery backup, CEC compliant (14W, -20°C min) (available with WPX1 and WPX2)[2]	**DBLBXD** Black
WPX3 LED 9,200 Lumens, 69W			**PE** Photocell for dusk-to-dawn operation[3]	*Consult factory for other finish options*

Note: The lumen output and input power shown in the ordering tree are average representations of all coinfiguration options. Specific values are available upon request.

1. All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection.
2. 347V and PE options not offered with any battery pack options. WPX3 is not available with any battery options.
3. Battery pack options not available with 347V and PE options.

LITHONIA LIGHTING

DLC Listing

- **All MVOLT (120V-277V) configurations of WPX wall packs are DLC Premium listed, including**:
  - Any lumen package (WPX1 P1, WPX1 P2, WPX2, WPX3)
  - Any color temperature (3000K, 4000K, 5000K)
  - With or without photocell option
  - With or without any emergency battery pack options
  - Any color finish

- For **347V versions only**, the DLC listing status is shown below:
  - WPX1 (P1 and P2) are not DLC listed
  - WPX2 is DLC Standard
  - WPX3 is not DLC listed

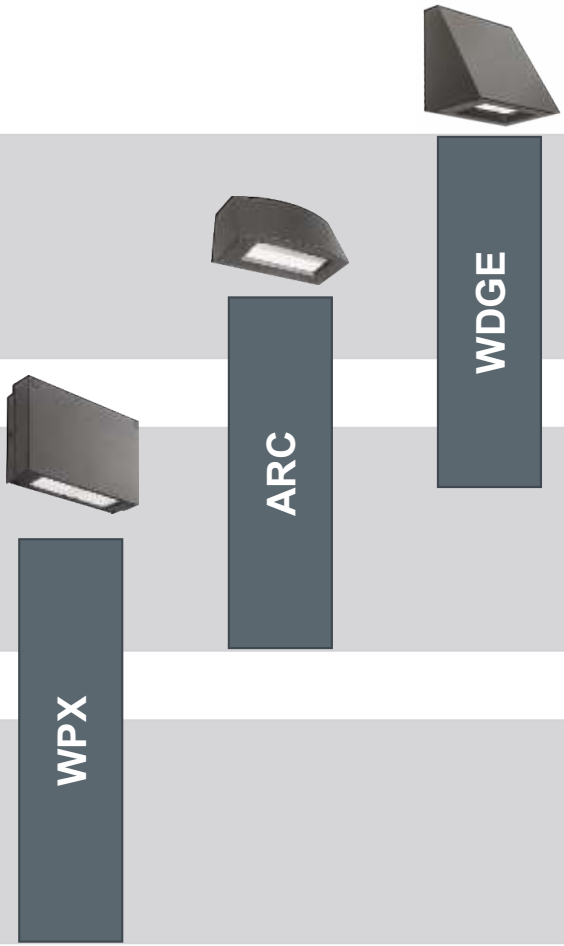
Stock Product List

Note: All products in stock are MVOLT (120V – 277V) and DDBXD (Dark Bronze)

	Lumen Output	Color Temp	Description	CI Code	UPC Code	Contractor Select?	In Stock?	
							California (WRDC) Illinois (MWDC) Georgia (SEDC)	Texas (SWDC) Pennsylvania (NEDC)
WPX1 P1	1,550	3000K	WPX1 LED P1 30K MVOLT DDBXD	*266CN3	00194994017684	-	Yes	-
		4000K	WPX1 LED P1 40K MVOLT DDBXD	*266CN9	00194994017714	-	Yes	Yes
		5000K	WPX1 LED P1 50K MVOLT DDBXD	*266CNC	00194994017929	-	Yes	Yes
WPX1 P2	2,900	3000K	WPX1 LED P2 30K MVOLT DDBXD	*265SWH	00193048870541	-	Yes	-
		4000K	WPX1 LED P2 40K MVOLT DDBXD	*265SWK	00193048870589	Yes	Yes	Yes
		5000K	WPX1 LED P2 50K MVOLT DDBXD	*265SWM	00193048870572	Yes	Yes	Yes
WPX2	6,000	3000K	WPX2 LED 30K MVOLT DDBXD	*265SX2	00193048870725		Yes	-
		4000K	WPX2 LED 40K MVOLT DDBXD	*265SX3	00193048870756	Yes	Yes	Yes
		5000K	WPX2 LED 50K MVOLT DDBXD	*265SX6	00193048870770	Yes	Yes	Yes
WPX3	9,200	3000K	WPX3 LED 30K MVOLT DDBXD	*265SX8	00193048870800	-	Yes	-
		4000K	WPX3 LED 40K MVOLT DDBXD	*265SX9	00193048870794	-	Yes	Yes
		5000K	WPX3 LED 50K MVOLT DDBXD	*265SXC	00193048870824	-	Yes	Yes

Product Positioning

Specification	• Highly configurable • Made to order • 3-week delivery
Design/Build	• Value engineered • Key product options • Some stock options
Distributor Stock	• Always in stock • Competitive price • Key product options



LITHONIA LIGHTING

Product Positioning

	WPX	ARC	WDGE
Market Focus	Distributor Stock	Design/Build	Specification
Optical Approach	Refractive	Visual Comfort	Visual Comfort
Lumen Range	1,550 – 9,200	1,500 – 6,500	1,200 – 25,000
CRI	70	80	80 or 90
EM Option	Yes	Yes	Yes
Motion Sensor	No	No	Standard, nLight® AIR

LITHONIA LIGHTING

Thank You!

D-Series Size 0
LED Area Luminaire

Catalog Number

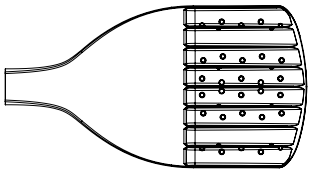
Notes

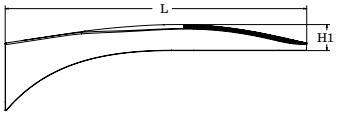
Type

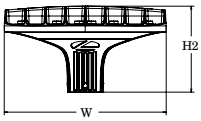
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.44 ft² (0.04 m²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)







FIXTURES: A1, A2, A3

Design Select options indicated by this color background.

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED

Series	LEDs	Color temperature [2]	Color Rendering Index [2]	Distribution		Voltage	Mounting
DSX0 LED	**Forward optics** P1 P5 P2 P6 P3 P7 P4 **Rotated optics** P10 [1] P12 [1] P11 [1] P13 [1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare [3] T4M Type IV medium T4LG Type IV low glare [3] TFTM Forward throw medium	T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control [3] BLC4 Type IV backlight control [3] LCCO Left corner cutoff [3] RCCO Right corner cutoff [3]	MVOLT (120V-277V) [4] HVOLT (347V-480V) [5,6] XVOLT (277V-480V) [7,8] 120 [16,24] 208 [16,24] 240 [16,24] 277 [16,24] 347 [16,24] 480 [16,24]	**Shipped included** SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole) RPA Round pole mounting (#8 drilling, 3" min. RND pole) SPA5 Square pole mounting (#5 drilling. 3" min. SQ pole) [9] RPA5 Round pole mounting (#5 drilling, 3" min. RND pole) [9] SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole) WBA Wall bracket [10] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options

Shipped installed

NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. [11,12,18,19]
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [13,18,19]
PER	NEMA twist-lock receptacle only (controls ordered separate) [14]
PER5	Five-pin receptacle only (controls ordered separate) [14,19]
PER7	Seven-pin receptacle only (controls ordered separate) [14,19]
FAO	Field adjustable output [15,19]
BL30	Bi-level switched dimming, 30% [16,19]
BL50	Bi-level switched dimming, 50% [16,19]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]

Other options

Shipped installed

HS	Houseside shield (black finish standard) [20]
L90	Left rotated optics [1]
R90	Right rotated optics [1]
CCE	Coastal Construction [21]
HA	50°C ambient operation [22]
BAA	Buy America(n) Act and/or Build America Buy America Qualified
SF	Single fuse (120, 277, 347V) [24]
DF	Double fuse (208, 240, 480V) [24]

Shipped separately

EGSR	External Glare Shield (reversible, field install required, matches housing finish)
BSDB	Bird Spikes (field install required)

Finish *(required)*

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Ordering Information

Accessories

Ordered and shipped separately.

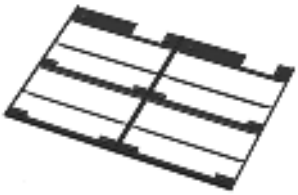
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [23]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [23]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [23]
DSHORT SBK	Shorting cap [23]
DSX0HS P#	House-side shield (enter package number P1-7, P10-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSX0EGSR (FINISH)	External glare shield (specify finish)
DSX0BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

NOTES

1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1, P2 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1, P2, or P10. XVOLT not available with fusing (SF or DF). XVOLT also not available in packages P3, P4, P5, P7, P11, P13 when combined with NLTAIR2 PIRHN or PIR.
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight Air 2.
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50 and DMG. NLTAIR2 PIRHN not available with P1, P2 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1 using MVOLT.
13 PIR not available with NLTAIR2, PER, PER5, PER7, FAO BL30, BL50 and DMG. PIR not available with P1, P2 and P10 using HVOLT.PIR not available with P1 using MVOLT.
14 PER/PER5/PER7 not available with NLTAIR2, PIR, BL30, BL50. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, or DMG.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO and DMG. BL30 or BL50 must specify 120 or 277V.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50 and FAO.
18 Reference Motion Sensor Default Settings table on page 4 to see functionality.
19 Reference Controls Options table on page 4.
20 Option HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
21 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
22 Option HA not available with performance packages P6, P7, P12 and P13.
23 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
24 Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories

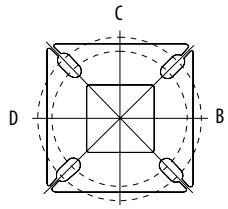
External Glare Shield (EGSR)

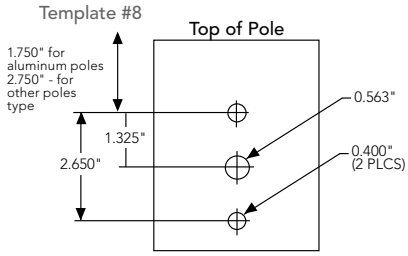


House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION
(from top of pole)





Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX0 Area 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 Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 with SPA	0.44	0.88	0.96	1.18	---	1.16
DSX0 with SPA5, SPA8N	0.51	1.02	1.06	1.26	---	1.29
DSX0 with RPA, RPA5	0.51	1.02	1.06	1.26	1.24	1.29
DSX0 with MA	0.64	1.28	1.24	1.67	1.70	1.93

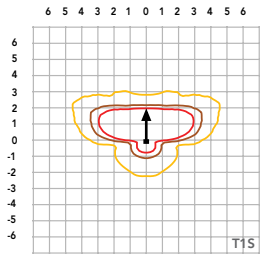
Photometric Diagrams

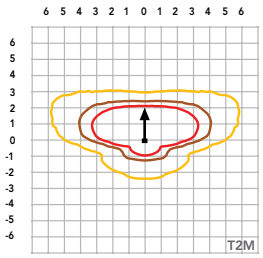
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

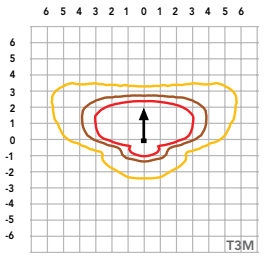
Isofootcandle plots for the DSX0 LED P7 40K 70CRI. Distances are in units of mounting height (20').

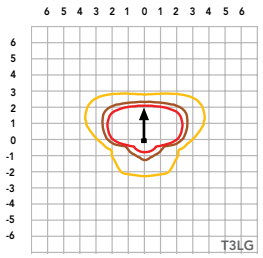
LEGEND

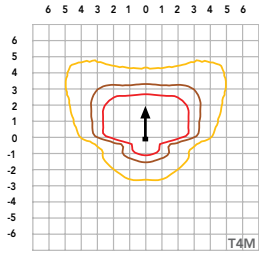
- 0.1 fc
- 0.5 fc
- 1.0 fc

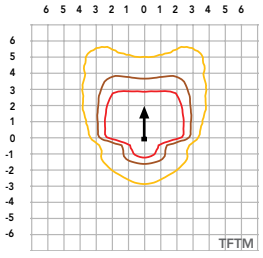


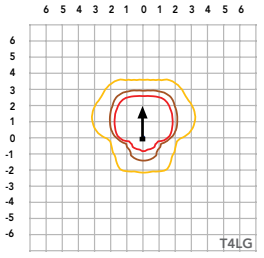


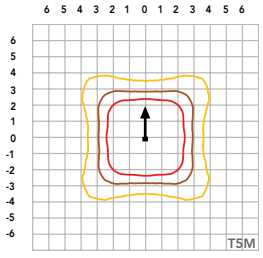


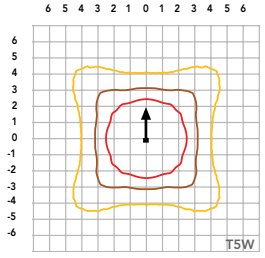


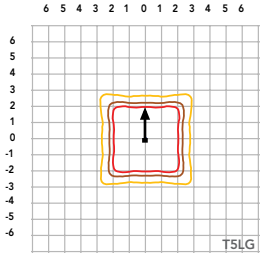


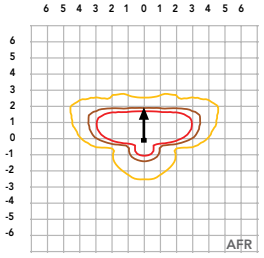


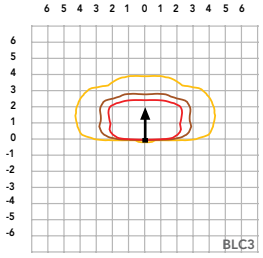


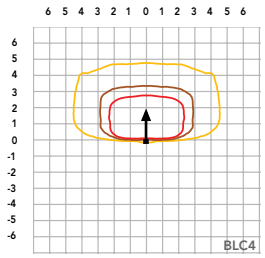


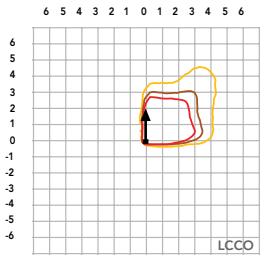


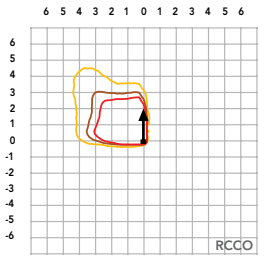












Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°C**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.94
50,000	0.89
100,000	0.80

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current (mA)	Wattage	120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	20	530	34	0.28	0.16	0.14	0.12	0.10	0.07
	P2	20	700	45	0.38	0.22	0.19	0.16	0.13	0.09
	P3	20	1050	69	0.57	0.33	0.29	0.25	0.20	0.14
	P4	20	1400	94	0.78	0.45	0.39	0.34	0.27	0.19
	P5	40	700	89	0.75	0.43	0.38	0.33	0.26	0.19
	P6	40	1050	136	1.14	0.66	0.57	0.49	0.39	0.29
	P7	40	1300	170	1.42	0.82	0.71	0.62	0.49	0.36
Rotated Optics (Requires L90 or R90)	P10	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P11	30	700	67	0.57	0.33	0.28	0.25	0.20	0.14
	P12	30	1050	103	0.86	0.50	0.43	0.37	0.30	0.22
	P13	30	1300	129	1.07	0.62	0.54	0.46	0.37	0.27

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Phototcell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	33W	20	530	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
				T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145
				T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147
				T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131
				T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149
				T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136
				TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150
				T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154
				T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156
				T5LG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154
				BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107
				BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111
				RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
P2	45W	20	700	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
				T2M	5,862	1	0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
				T3M	5,930	1	0	3	131	6,180	1	0	3	137	6,301	1	0	3	140
				T3LG	5,297	1	0	1	117	5,521	1	0	1	122	5,628	1	0	1	125
				T4M	6,018	1	0	3	133	6,272	1	0	3	139	6,395	1	0	3	142
				T4LG	5,474	1	0	1	121	5,705	1	0	1	126	5,816	1	0	1	129
				TFTM	6,060	1	0	3	134	6,316	1	0	3	140	6,439	1	0	3	143
				T5M	6,192	3	0	1	137	6,453	3	0	2	143	6,579	3	0	2	146
				T5W	6,293	3	0	2	139	6,558	3	0	2	145	6,686	3	0	2	148
				T5LG	6,210	2	0	1	138	6,472	3	0	1	143	6,598	3	0	1	146
				BLC3	4,313	0	0	2	96	4,495	0	0	2	100	4,583	0	0	2	102
				BLC4	4,455	0	0	2	99	4,643	0	0	2	103	4,733	0	0	2	105
				RCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				LCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				AFR	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
P3	69W	20	1050	T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
				T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
				T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130
				T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116
				T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132
				T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120
				TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133
				T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136
				T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138
				T5LG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136
				BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95
				BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98
				RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
P4	93W	20	1400	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130
				T2M	10,557	2	0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
				T3M	10,680	2	0	3	115	11,130	2	0	3	120	11,347	2	0	3	122
				T3LG	9,540	1	0	2	103	9,942	1	0	2	107	10,136	1	0	2	109
				T4M	10,839	2	0	3	117	11,296	2	0	3	121	11,516	2	0	4	124
				T4LG	9,858	1	0	2	106	10,274	1	0	2	110	10,474	1	0	2	113
				TFTM	10,914	2	0	3	117	11,374	2	0	3	122	11,596	2	0	3	125
				T5M	11,152	4	0	2	120	11,622	4	0	2	125	11,849	4	0	2	127
				T5W	11,332	4	0	3	122	11,811	4	0	3	127	12,041	4	0	3	129
				T5LG	11,184	3	0	1	120	11,656	3	0	2	125	11,883	3	0	2	128
				BLC3	7,768	0	0	2	83	8,096	0	0	2	87	8,254	0	0	2	89
				BLC4	8,023	0	0	3	86	8,362	0	0	3	90	8,524	0	0	3	92
				RCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				LCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				AFR	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	90W	40	700	T1S	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				T2M	11,468	2	0	3	127	11,952	2	0	3	133	12,185	2	0	3	135
				T3M	11,601	2	0	3	129	12,091	2	0	3	134	12,326	2	0	4	137
				T3LG	10,363	2	0	2	115	10,800	2	0	2	120	11,011	2	0	2	122
				T4M	11,774	2	0	4	131	12,271	2	0	4	136	12,510	2	0	4	139
				T4LG	10,709	1	0	2	119	11,160	2	0	2	124	11,378	2	0	2	126
				TFTM	11,856	2	0	3	132	12,356	2	0	4	137	12,596	2	0	4	140
				T5M	12,114	4	0	2	134	12,625	4	0	2	140	12,871	4	0	2	143
				T5W	12,310	4	0	3	137	12,830	4	0	3	142	13,080	4	0	3	145
				T5LG	12,149	3	0	2	135	12,662	3	0	2	141	12,908	3	0	2	143
				BLC3	8,438	0	0	2	94	8,794	0	0	2	98	8,966	0	0	2	99
				BLC4	8,715	0	0	3	97	9,083	0	0	3	101	9,260	0	0	3	103
				RCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				LCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				AFR	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
P6	137W	40	1050	T1S	17,545	2	0	3	128	18,285	2	0	3	133	18,642	2	0	3	136
				T2M	16,253	3	0	4	119	16,939	3	0	4	124	17,269	3	0	4	126
				T3M	16,442	2	0	4	120	17,135	3	0	4	125	17,469	3	0	4	128
				T3LG	14,687	2	0	2	107	15,306	2	0	2	112	15,605	2	0	2	114
				T4M	16,687	2	0	4	122	17,391	3	0	5	127	17,730	3	0	5	129
				T4LG	15,177	2	0	2	111	15,817	2	0	2	115	16,125	2	0	2	118
				TFTM	16,802	2	0	4	123	17,511	2	0	4	128	17,852	2	0	5	130
				T5M	17,168	4	0	2	125	17,893	5	0	3	131	18,241	5	0	3	133
				T5W	17,447	5	0	3	127	18,183	5	0	3	133	18,537	5	0	3	135
				T5LG	17,218	4	0	2	126	17,944	4	0	2	131	18,294	4	0	2	134
				BLC3	11,959	0	0	3	87	12,464	0	0	3	91	12,707	0	0	3	93
				BLC4	12,352	0	0	4	90	12,873	0	0	4	94	13,124	0	0	4	96
				RCCO	12,067	1	0	3	88	12,576	1	0	3	92	12,821	1	0	3	94
				LCCO	12,067	1	0	3	88	12,576	1	0	3	92	12,821	1	0	3	94
				AFR	17,545	2	0	3	128	18,285	2	0	3	133	18,642	2	0	3	136
P7	171W	40	1300	T1S	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129
				T2M	19,273	3	0	4	113	20,086	3	0	4	118	20,478	3	0	4	120
				T3M	19,497	3	0	5	114	20,319	3	0	5	119	20,715	3	0	5	121
				T3LG	17,416	2	0	2	102	18,151	2	0	2	106	18,504	2	0	2	108
				T4M	19,787	3	0	5	116	20,622	3	0	5	121	21,024	3	0	5	123
				T4LG	17,997	2	0	2	105	18,756	2	0	2	110	19,121	2	0	2	112
				TFTM	19,924	3	0	5	117	20,765	3	0	5	122	21,170	3	0	5	124
				T5M	20,359	5	0	3	119	21,217	5	0	3	124	21,631	5	0	3	127
				T5W	20,689	5	0	3	121	21,561	5	0	3	126	21,982	5	0	3	129
				T5LG	20,418	4	0	2	120	21,279	4	0	2	125	21,694	4	0	2	127
				BLC3	14,182	0	0	3	83	14,780	0	0	3	87	15,068	0	0	3	88
				BLC4	14,647	0	0	4	86	15,265	0	0	4	89	15,562	0	0	4	91
				RCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				LCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				AFR	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129

Performance Data

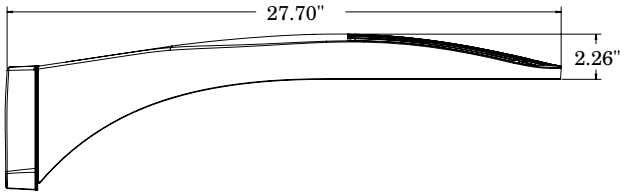
Lumen Output

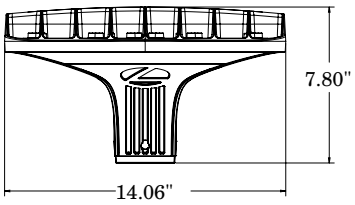
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79.
Contact factory for performance data on any configurations not shown here.

Rotated Optics

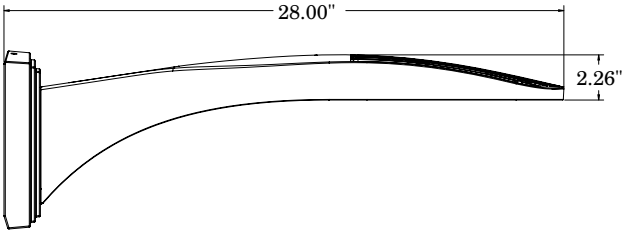
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	51W	30	530	T1S	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				T2M	6,854	3	0	3	135	7,144	3	0	3	140	7,283	3	0	3	143
				T3M	6,933	3	0	3	136	7,225	3	0	3	142	7,366	3	0	3	145
				T3LG	6,194	2	0	2	122	6,455	2	0	2	127	6,581	2	0	2	129
				T4M	7,036	3	0	3	138	7,333	3	0	3	144	7,476	3	0	3	147
				T4LG	6,399	2	0	2	126	6,669	2	0	2	131	6,799	2	0	2	134
				TFTM	7,086	3	0	3	139	7,385	3	0	3	145	7,529	3	0	3	148
				T5M	7,239	3	0	2	142	7,545	3	0	2	148	7,692	3	0	2	151
				T5W	7,357	3	0	2	145	7,667	3	0	2	151	7,816	4	0	2	154
				T5LG	7,260	3	0	1	143	7,567	3	0	1	149	7,714	3	0	1	152
				BLC3	5,043	3	0	3	99	5,256	3	0	3	103	5,358	3	0	3	105
				BLC4	5,208	3	0	3	102	5,428	3	0	3	107	5,534	3	0	3	109
				RCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				LCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				AFR	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
P11	68W	30	700	T1S	9,358	3	0	3	138	9,753	3	0	3	143	9,943	3	0	3	146
				T2M	8,669	3	0	3	127	9,034	3	0	3	133	9,211	3	0	3	135
				T3M	8,768	3	0	3	129	9,138	3	0	3	134	9,316	3	0	3	137
				T3LG	7,833	3	0	3	115	8,164	3	0	3	120	8,323	3	0	3	122
				T4M	8,899	3	0	3	131	9,274	3	0	3	136	9,455	3	0	3	139
				T4LG	8,093	3	0	3	119	8,435	3	0	3	124	8,599	3	0	3	126
				TFTM	8,962	3	0	3	132	9,340	3	0	3	137	9,522	3	0	3	140
				T5M	9,156	4	0	2	135	9,542	4	0	2	140	9,728	4	0	2	143
				T5W	9,304	4	0	2	137	9,696	4	0	2	143	9,885	4	0	2	145
				T5LG	9,182	3	0	1	135	9,569	3	0	1	141	9,756	3	0	1	143
				BLC3	6,378	3	0	3	94	6,647	3	0	3	98	6,777	3	0	3	100
				BLC4	6,587	3	0	3	97	6,865	3	0	3	101	6,999	3	0	3	103
				RCCO	6,436	0	0	2	95	6,707	0	0	2	99	6,838	0	0	2	101
				LCCO	6,436	0	0	2	95	6,707	0	0	2	99	6,838	0	0	2	101
				AFR	9,358	3	0	3	138	9,753	3	0	3	143	9,943	3	0	3	146
P12	103W	30	1050	T1S	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
				T2M	12,271	4	0	4	119	12,789	4	0	4	124	13,038	4	0	4	126
				T3M	12,412	4	0	4	120	12,935	4	0	4	125	13,187	4	0	4	128
				T3LG	11,089	3	0	3	107	11,556	3	0	3	112	11,782	3	0	3	114
				T4M	12,597	4	0	4	122	13,128	4	0	4	127	13,384	4	0	4	129
				T4LG	11,457	3	0	3	111	11,940	3	0	3	116	12,173	3	0	3	118
				TFTM	12,686	4	0	4	123	13,221	4	0	4	128	13,479	4	0	4	130
				T5M	12,960	4	0	2	125	13,507	4	0	2	131	13,770	4	0	2	133
				T5W	13,170	4	0	3	127	13,726	4	0	3	133	13,994	4	0	3	135
				T5LG	12,998	3	0	2	126	13,546	3	0	2	131	13,810	3	0	2	134
				BLC3	9,029	3	0	3	87	9,409	3	0	3	91	9,593	3	0	3	93
				BLC4	9,324	4	0	4	90	9,718	4	0	4	94	9,907	4	0	4	96
				RCCO	9,110	1	0	2	88	9,495	1	0	2	92	9,680	1	0	2	94
				LCCO	9,110	1	0	2	88	9,494	1	0	2	92	9,680	1	0	2	94
				AFR	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
P13	129W	30	1300	T1S	15,704	3	0	3	122	16,366	3	0	3	127	16,685	4	0	4	130
				T2M	14,547	4	0	4	113	15,161	4	0	4	118	15,457	4	0	4	120
				T3M	14,714	4	0	4	114	15,335	4	0	4	119	15,634	4	0	4	121
				T3LG	13,145	3	0	3	102	13,700	3	0	3	106	13,967	3	0	3	108
				T4M	14,933	4	0	4	116	15,563	4	0	4	121	15,867	4	0	4	123
				T4LG	13,582	3	0	3	105	14,155	3	0	3	110	14,431	3	0	3	112
				TFTM	15,039	4	0	4	117	15,673	4	0	4	122	15,979	4	0	4	124
				T5M	15,364	4	0	2	119	16,013	4	0	2	124	16,325	4	0	2	127
				T5W	15,613	5	0	3	121	16,272	5	0	3	126	16,589	5	0	3	129
				T5LG	15,409	3	0	2	120	16,059	3	0	2	125	16,372	4	0	2	127
				BLC3	10,703	4	0	4	83	11,155	4	0	4	87	11,372	4	0	4	88
				BLC4	11,054	4	0	4	86	11,520	4	0	4	89	11,745	4	0	4	91
				RCCO	10,800	1	0	2	84	11,256	1	0	2	87	11,475	1	0	3	89
				LCCO	10,800	1	0	2	84	11,255	1	0	2	87	11,475	1	0	3	89
				AFR	15,704	3	0	3	122	16,366	3	0	3	127	16,685	4	0	4	130

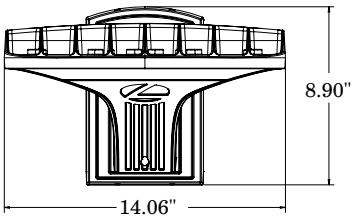
Dimensions



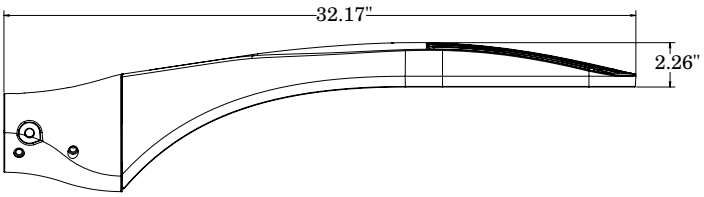


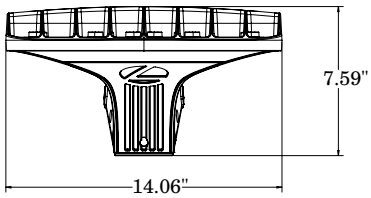
DSX0 with RPA, RPA5, SPA5, SPA8N mount
Weight: 25 lbs





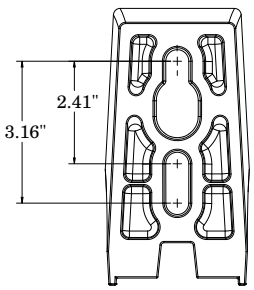
DSX0 with WBA mount
Weight: 27 lb



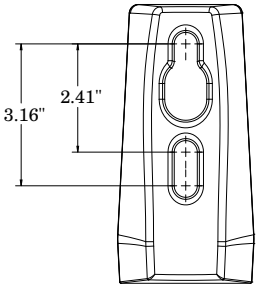


DSX0 with MA mount
Weight: 28 lbs

SPA (STANDARD ARM)



RPA



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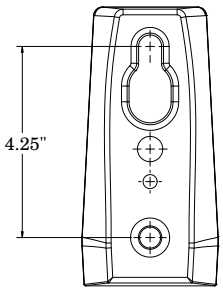
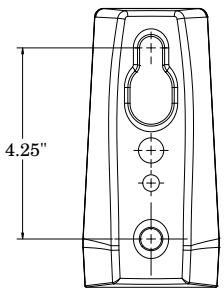


RPA5



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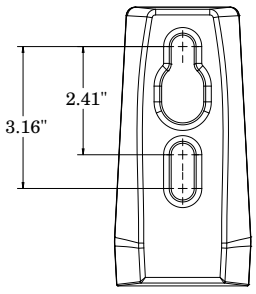
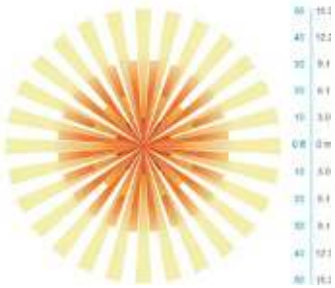


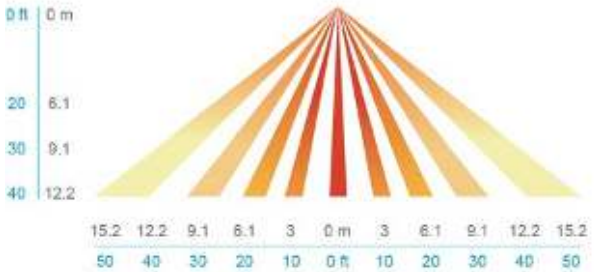
nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



Top



Side

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G. Low EPA (0.44 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L80/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. PIR integrated motion sensor with on-board photocell feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

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. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

gotham | I V O™

Luminaire Type:

Catalog Number:

IVO™ 6" Round Shallow Recessed Downlight

New Construction & Remodel

FIXTURE: D1

TRIM STYLES AND COLORS

Parabolic

3-1/2" x 13-1/8" x 12-1/2"

New construction housing shown. Please see pages 5-6 for full set of dimensional drawings.

Flange Styles

Flanged

Flangeless

Flangeless in Millwork

Reflector Colors

Clear Alzak | Gold | Pewter | Wheat | Black | White | White Anti-Microbial | Soft White | Bronze

QUICK SPECIFICATIONS

Feature Set

- Ultra Shallow recessed downlight fits in plenums as small as 3.5 inches above ceiling
- Perfect Color™ consistency within ½-step MacAdam Ellipse
- Exceptional color rendering with 80 CRI, 90 CRI, or 95 CRI minimum
- Bounding Ray™ optical design delivers low brightness apertures for a comfortable lighting experience
- 65° cutoff to source and source image
- Batwing distributions with feathered edges to provide even illumination fixture-to-fixture
- Field adaptable with interchangeable optics and trims
- Up to 90% lumen maintenance at 55,000 hours
- Wet Location optional, covered ceiling
- ICAT is Spray Foam Compatible
- ENERGY STAR® Certified product
- Title 24, JA8 compliant

Distribution / Beam Angles

Superior Perfomance*

Nominal Lumens	05LM	07LM	10LM	15LM	20LM	25LM	30LM	35LM	40LM	45LM	50LM
Delivered Lumens	563	838	1063	1541	2046	2569	3106	3474	3965	4464	4966
Wattage	5.1	7.5	9.2	13.3	17.5	22.1	26.6	31.8	37.2	43.1	49.9
Lumens per Watt	110	112	116	116	117	116	117	109	107	104	100

*Based on 3500K AR LSS MWD 80CRI
** E7WR option add 3.8 watts

PRODUCT FAMILY

IVO 6" Round Product Family

Downlight | Lensed WW | Surface Cylinder | Pendant Cylinder | Wall Cylinder | Wall Adjustable Cylinder

BAA BABA TITLE 24 PART 6 ENERGY STAR WET LOCATION™ NOM RoHS COMPLIANT CA TITLE 24 CAPABLE LOW UGR nLIGHT

GOTHAM ARCHITECTURAL DOWNLIGHTING | 1 Acuity Way, Decatur, GA 30035 | P 800-705-SERV (7378) | gothamlighting.com

Luminaire Type:

Catalog Number:

ORDERING INFORMATION

EXAMPLE: IVO6S D 10LM 35K 80CRI MWD MIN10 MVOLT ZT NCH P AR LSS F

Series		Function		Lumen Packages		Kelvin Temperature		Color Rendering Index[2]		Distribution		Dimming Level	
IVO6S	Round Shallow Recessed	**D**	Downlight	**05LM**[1]	500 Lumens	**27K**	2700K	**80CRI**	80+ CRI	**MD**	Medium Batwing (0.8 s/mh, 60°)	**MIN10**	Min 10% Dim Level
				07LM	750 Lumens	**30K**	3000K	**90CRI**	90+ CRI	**MWD**	Medium Wide Batwing (1.0 s/mh, 65°)	**MIN1**	Min 1% Dim Level
				10LM	1000 Lumens	**35K**	3500K	**95CRI**	95+ CRI	**WD**	Wide Batwing (1.2 s/mh, 75°)	**DARK**	Min 0.1% Dim Level, Dim-to-Dark
				15LM	1500 Lumens	**40K**	4000K						
				20LM	2000 Lumens	**50K**	5000K						
				25LM	2500 Lumens								
				30LM	3000 Lumens								
				35LM	3500 Lumens								
				40LM	4000 Lumens								
				45LM	4500 Lumens								
				50LM	5000 Lumens								

Voltage		Control Input[4]		Emergency Option		Housing Style		Options	
MVOLT	120V-277V	**ZT**[5]	Generic 0-10V	**(Blank)**	No Emergency	**NCH**	Non-IC Housing (new construction only)	**BAA**	Buy America(n) Act or Build America By America Qualified
120	120V	**EZT**	EldoLED 0-10V	**E7WR**[8]	IOTA 7W Emergency battery pack, Constant Power, Title 20 compliant, remote test switch4500LM Max.	**ICAT**	IC/Airtight Housing (new construction only). 2500LM max. Spray foam compatible.	**SF**[9]	Single Fuse. Specify 120 or 277.
277	277V	**ELV**[6]	Phase Dimming (Forward/Reverse) (120V only)	**GTD**[8]	Generator Transfer Device	**CP**	Chicago Plenum CCEA Housing (new construction only).	**WL**	Wet Location
347[3]	347V	**DMX**[7]	DMX			**RM**	Non-IC Remodel Housing (install from below). Not available with Emergency Pack options.		
		DALI[7]	DALI-2						
		NLIGHT	Wired controls by nLight						
		NLTAIR2	Wireless controls by nLight Air						
		NLIGHTER	Wired controls by nLight with UL924 listed emergency operation						
		NLTAIREM2	Wireless controls by nLight Air with UL924 listed emergency operation						

Trim Style		Trim Color		Trim Finish		Flange Option	
P	Open Reflector	**AR**	Clear Anodized	**LD**	Matte Diffuse	**F**	Self Flanged (color matches trim)
		BR	Black Anodized	**LS**	Specular	**FL**	Flangeless (Drywall)
		GR	Gold Anodized	**LSS**	Semi Specular	**FLM**	Flangeless Millwork
		PR	Pewter Anodized			**FBL**[12]	Flange Only Black
		WTR	Wheat Anodized			**FWR**[13]	Flange Only White
		WR[10,14]	White Gloss (painted)			**FRALTBD**[11]	Flange Only RAL
		WMR[10]	Soft White Matte (painted)			**FCPC**	Flange Only Custom Paint Color
		WRAMF[10]	White Gloss with Anti-Microbial (painted)				
		BZR[10,14]	Dark Bronze Gloss (painted)				
		TRALTBD[10,11]	Trim RAL # (TBD for pricing only)				
		TCPC[10]	Trim Custom Paint Color				

ACCESSORIES — order as separate catalog numbers (shipped separately)

IVO6SOPTC D MD U	Field Replaceable Optic, Medium Distribution
IVO6SOPTC D MWD U	Field Replaceable Optic, Medium Wide Distribution
IVO6SOPTC D WD U	Field Replaceable Optics, Wide Distribution
GRA6/9.5IVO JZ	Round goof ring adapter 6" ID, 9.5" OD
SCA6	Sloped ceiling adaptor. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D. Refer to TECH-190 for details.
IVO6FLMKIT	IVO 6" Round Flangeless in Millwork Ceiling Cutout Template (min. 1 required per install)
IVOFLMBIT	IVO Flangeless in Millwork Straight Router Bit, 1/4" Shank with Bearing (optional)

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ORDERING NOTES

1. 05LM only available with ELV or ZT. Not available with 347V.
2. 50K CCT is not available with 90CRI. 35K, 40K or 50K is not available with 95CRI.
3. 347 only available with ZT at MIN1 or MIN10, 4000LM max. Not available with nLight devices or Emergency Options.
4. Refer to Tech-240 for compatible dimmers.
5. ZT is not available with DARK.
6. ELV only is only available with MIN1..
7. DMX and DALI are only available with DARK.
8. E7WR not available with 30LM; 45LM max. E7WR and GTD are not available with DMX, NLIGHTER, NLTAIREM2, or with RM housing.
9. RM with SF is not available with DMX or nLight, or 40LM-50LM with ELV.
10. Not available with Trim Finish.
11. Replace with applicable RAL number and finish when ready to order. See RAL BROCHURE for available color options.
12. For use with different reflector flange colors only (i.e. AR, BZR, GR, PR, WTR, WR, WMR, WRAMF options). Not applicable with BR (black reflector) or FL (flangeless), TRALTBD or TCPC options.
13. For use with different reflector flange colors only (i.e. AR, BR, BZR, GR, PR, WTR options). Not applicable with WR, WMR, WRAMF (white reflector) or FL (flangeless), TRALTBD or TCPC options.
14. Corrosion Resistant Powder Coat.

DIMENSIONAL DATA

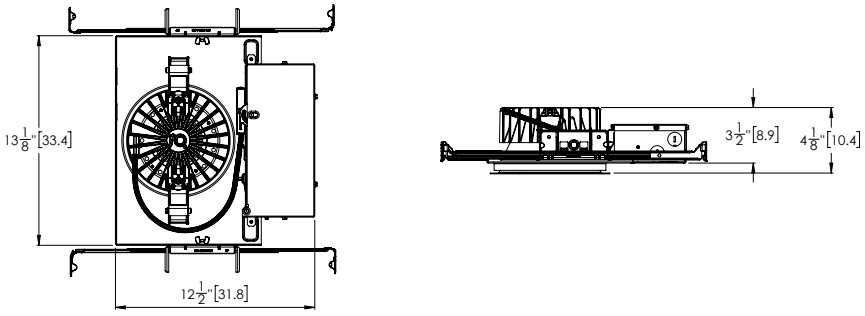
New Construction Dimensions

Dimensions in inches [centimeters]

1/2" clearance on all sides required from non-combustible materials in non-IC applications, unless marked spacing noted otherwise. Marked Spacing requires min clearance center-to-center x center to side building member x overhead to building member.

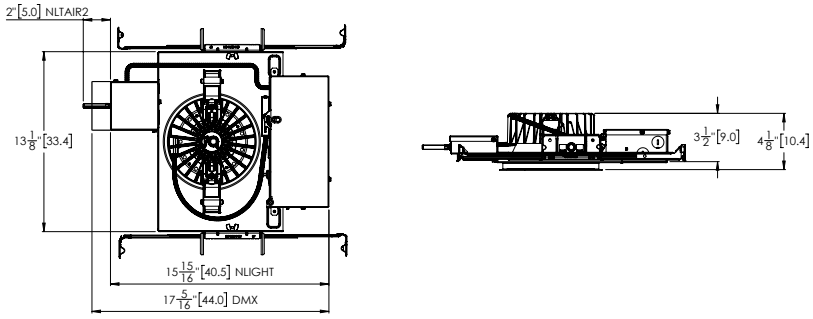
Trim Aperture: 6-5/16" (16)	Ceiling Cutout (flanged): 7-1/8" (18.1)
Trim Flange OD: 7-1/2" (19)	Ceiling Cutout (flangeless): 7-3/8" (18.7)

Standard New Construction Housing (NCH)



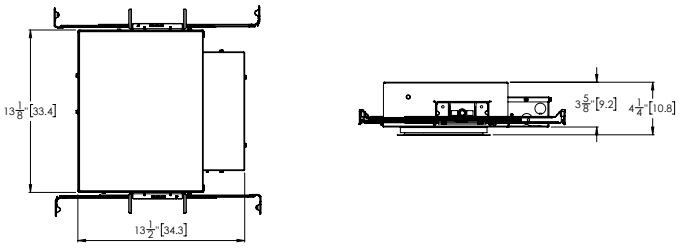
Shipping Weight: 8.3 lbs

NCH with NLIGHT, NLTAIR2, NLIGHTER, NLTAIREM2, or DMX



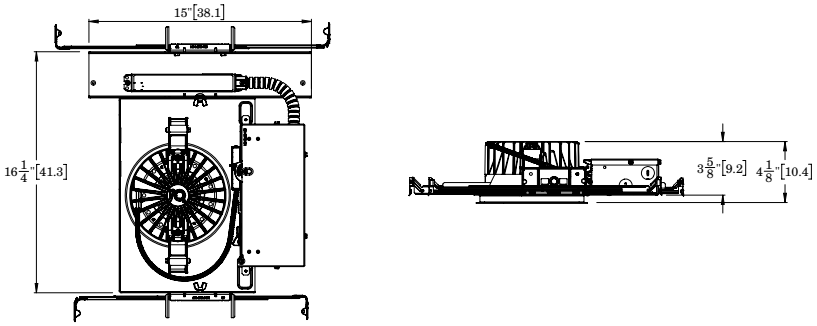
Shipping Weight: 9.8 lbs

IC Airtight (ICAT) or Chicago Plenum (CP)
(dimensions are the same when E7WR added)



Shipping Weight: 11.2 lbs

Generator Transfer Device (GTD) Housing



DIMENSIONAL DATA

Remodel Dimensions

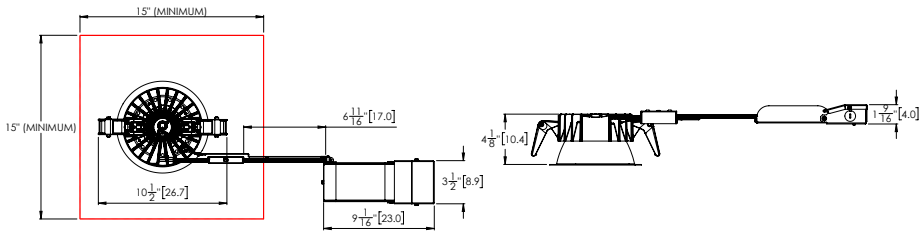
Dimensions in inches [centimeters]

1/2" clearance on all sides required from non-combustible materials in non-IC applications, unless marked spacing noted otherwise.

Trim Aperture: 6-5/16" (16)	Ceiling Cutout (flanged): 7" (17.8)
Overlap trim: 7-1/2" (19)	Ceiling Cutout (flangeless): 7-3/8" (18.7)

Remodel Construction (RM)

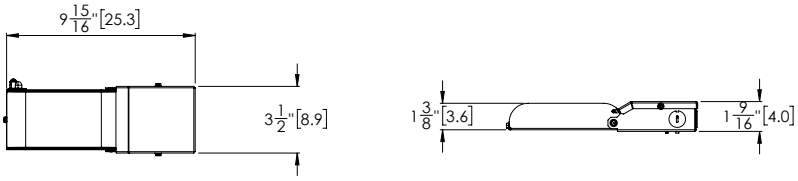
Requires 3.5" of plenum height



Shipping Weight: 4.9 lbs

Remodel Construction (RM) Driver Enclosure with Fuse (SF)

Requires 3.5" of plenum height

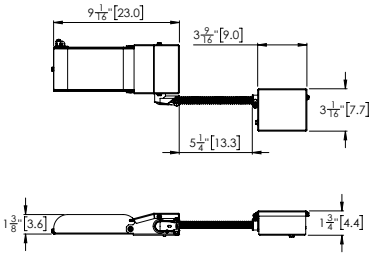


Shipping Weight: 5.6 lbs

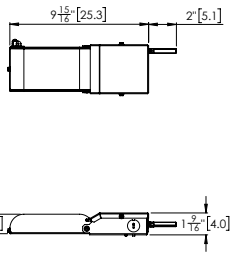
Remodel Construction (RM) Driver Enclosures with Control Options

Requires 3.5" of plenum height

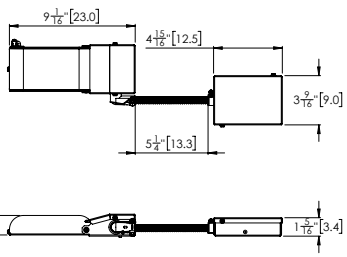
NLIGHT:



NLTAIR2:



DMX:



Shipping Weight: 5.6 lbs

Marked Spacing (min. required)				
Configuration	**Lumen Package**	**Center-to-Center**	**Center to Side Building Member**	**Overhead to Building Member**
IVO6S CP	35LM - 45LM	24"	12"	1/2"
IVO6S RM	50LM	24"	12"	1/2"

How to Estimate Delivered Lumens in Emergency Mode

Delivered Lumens = 1.25 x P x LPW

P = Output Power/Wattage of Emergency Battery Driver (E7WR* = 7W, E10WR* = 10W, E15WR* = 15W)

LPW = Lumen per Watt rating of luminaire based on Ordering Code selections

SPECIFICATIONS

Optical System

Bounding Ray™ optical design delivers top-down flash for superior brightness control. Source and source image present simultaneously.

Unitized optical system has mechanical attachment of the light engine to the trim for optimized optical alignment.

Source regression delivers 65 degrees of visual cutoff to source and source image.

Patent pending optics are available in three (3) batwing distributions for optimal uniformity, free of shadows, hot spots or striations.

Optics are field interchangeable without tools via twist-lock feature.

LED Light Engine

Proprietary light engines are custom binned to deliver perfect color consistency of 0.5-step MacAdam Ellipse fixture to fixture.

LED light engine is rated for L90 / 55,000 hours.

Available in 80, 90, or 95 CRI minimum. 90 CRI has an R9 greater than 50. 95 CRI has an R9 greater than 80.

Trims

Trims are field interchangeable via twist-lock mechanism.

Trims are available in nine (9) standard colors and three standard finishes that can be customized.

Electrical

Luminaire operates from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 347 VAC. The fluctuations of line voltage have no visible effect on the luminous output.

Luminaire has a power factor of 85% or greater at all standard operating voltages and full luminaire output.

EMI/RFI per FCC Title 47 CFR, Part 15, Class A rated. ELV Phase dimming Driver is Class B rated except when used with E7WR or at 30LM and above.

Input wires are 18AWG, 600V minimum, solid copper.

Controls (Optional)

Luminaire is equipped with interface for nLight wired, meaning it has the ability to communicate over an nLight network. When wired, using CAT-5 cabling, with other nLight-enabled sensors, power packs, or WallPods, an nLight control zone is created. Once linked to a Gateway, directly or via a Bridge, the zone becomes capable of remote status monitoring and control via SensorView software. Luminaire is equipped with interface for nLight Air, meaning it can communicate over the wireless nLight control platform. It pairs to other luminaires and wall switches through our mobile app, CLAIRITY+, which allows for single fixture control.

Dimming

The luminaire is capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 10%, 100 – 1.0% or 100 – 0.1% of rated lumen output with a smooth shut off function to step to 0%.

eldoLED LED drivers (EZT) conforms to IEEE P1789 standards.

The driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Emergency Battery (Optional)

Self testing integral emergency battery (E7WR) provides a emergency lighting for a duration of 90 minutes to meet egress code requirements.

Emergency battery is accessible from below the ceiling.

Emergency battery is CEC T20 Compliant.

Installation

Luminaire installs in 3 1/2" plenum depth ceiling (unless noted otherwise).

Fixture is suitable for installation in ceilings from 5/8" to 2" in ceiling thickness via patented retention spring design.

Luminaire has telescopic mounting bars with maximum 24" and minimum 10 1/2" extension and 1 1/8" vertical adjustment (supplied separated).

Mounting brackets also work with C-Channel from ¾" to 1-1/2", Flat Strap from ½" to ¾", Conduit up to ¾" in diameter, and ½" angle bar.

Luminaire is rated for up to (8) No. 12 AWG 90°C through branch circuit conductors.

Non-IC rated luminaires shall be installed with 3" of clearance on all sides from insulation or 1/2" clearance on all sides from non-combustible materials (unless marked spacing noted otherwise.)

IC rated luminaires can be installed in direct contact with insulation.

Construction

Luminaire features LED module with quick-disconnect harness and strain relief for ease of inspection and service.

Servicing and maintaining the light engine, driver and branch circuit conductors is possible without tools from below the ceiling.

Luminaire is constructed with 20 gauge galvanized steel.

Listings

Fixtures are CSA certified to meet US and Canadian Standards. All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, damp location standard, or UL wet location, covered ceiling only, optional.

Photometrics

All photometry is conducted by IESNA standard LM-79-08 in an accredited lab. LEDs are tested to LM-80 standards. Lumen maintenance is calculated via TM-21.

GOVERNMENT PROCUREMENT

BAA – Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

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.

All values are design or typical values, measured under laboratory conditions at 25 °C.

The product images shown are for illustration purposes only and may not be an exact representation of the product.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provided consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

To learn more about A+, visit www.acuitybrands.com/aplus.

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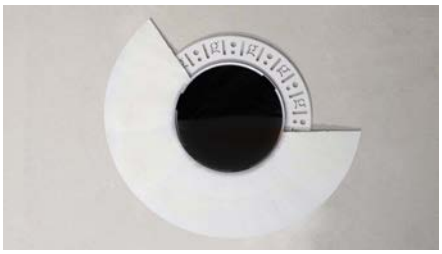
FLANGELESS

Flangeless Installation

Gotham's flangeless option utilizes a micro-thin polymer mud ring that minimizes the amount of drywall compound required to finish the ceiling. The end result is a virtually undetectable flangeless downlight installation.

The polymer mud ring is installed independent of the of the recessed frame, therefore floating with the ceiling. This innovation minimizes any surface cracks during reflector installation, ceiling movement and any future service to the recessed frame, wiring, electronics, etc.

Partially finished mud ring, showing cross-section detail.



An IVO downlight requires only approximately 3" of plaster to finish.

IVO with flangeless trim

Flangeless Millwork Installation

IVO's Flangeless in Millwork solution makes installation easy and precise. First, cut a hole in the Wood Ceiling using the Millwork Cutout Template (sold separately). Second, once Housing and ceiling are mounted in place, insert sheet metal Millwork Adapter (provided) lining up edge of tab with bottom of ceiling. Third, secure in place using finishing nails (provided) then remove tabs from Millwork Adapter. Last, install Trim!

Insert Millwork Adapter into precision-cut hole.

Secure with finishing nails.

Insert Trim and Module.

TABLES OF USE

Dimming Configurations

Dimming Level		Control Input	Dimming Level	Driver Dim Curve	Recommended Control Dim Curve
MIN10	+	ZT	100% to 10%	Linear	Linear/Logarithmic
	+	EZT	100% to 10%	Linear	Linear/Logarithmic
MIN1	+	ZT	100% to 1%	Linear	Linear/Logarithmic
	+	EZT	100% to 1%	Linear	Linear/Logarithmic
	+	ELV	100% to 1%*	n/a	n/a
DARK	+	EZT	100% to 0.1%	Logarithmic	Linear
	+	DMX	100% to 0.1%	Square	Linear
	+	DALI	100% to 0.1%	Logarithmic	Linear

* ELV Minimum Dimming level depends on dimmer and dimmer load

Embedded Nlight Configurations

Dimming Level		Control Input	Dimming Level	Control Provided	Driver Provided
MIN10	+	NLIGHT	100% to 10%	NIO EZDXA	eldoLED ECOdrive
	+	NLIGHTER	100% to 10%	NIO EZDCL ER	eldoLED ECOdrive
	+	NLTAIR2	100% to 10%	RIO EZDL G2	eldoLED ECOdrive
	+	NLTAIREM2	100% to 10%	RIO EZDL EM G2	eldoLED ECOdrive
MIN1	+	NLIGHT	100% to 1%	NIO EZDXA	eldoLED ECOdrive
	+	NLIGHTER	100% to 1%	NIO EZDCL ER	eldoLED ECOdrive
	+	NLTAIR2	100% to 1%	RIO EZDL G2	eldoLED ECOdrive
	+	NLTAIREM2	100% to 1%	RIO EZDL EM G2	eldoLED ECOdrive
DARK	+	NLIGHT	100% to 0.1%	NIO EZDXA	eldoLED SOLOdrive
	+	NLIGHTER	100% to 0.1%	NIO EZDCL ER	eldoLED SOLOdrive
	+	NLTAIR2	100% to 0.1%	RIO EZDL G2	eldoLED SOLOdrive
	+	NLTAIREM2	100% to 0.1%	RIO EZDL EM G2	eldoLED SOLOdrive

IVO6S D[1]		Title 24, JA8[2]	Energy Star
	DRIVERS:	EZT[3], ZT, ELV	EZT, ZT, ELV, DALI, DMX
CRI	CCT		
80 CRI	2700K		✓[4]
	3000K		✓[4]
	3500K		✓[4]
	4000K		✓[4]
	5000K		✓[4]
90 CRI	2700K		✓[5]
	3000K		✓[5]
	3500K	✓	✓[5]
	4000K	✓	✓[5]
	5000K		✓[5]
95 CRI	2700K		
	3000K		
	3500K		
	4000K		
	5000K		

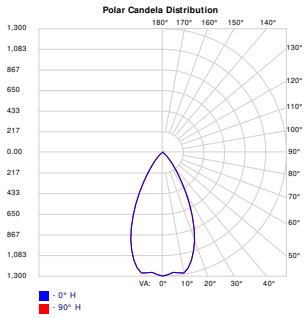
1 - E7WR, GTD are not Energy Star or T24 complaint.
2 - Only ICAT housing at 05LM, 10LM, 15LM, 20LM, 25LM is T24 compliant.
3 - EZT+MIN1/MIN10 drivers are T24 compliant at 07LM, 10LM only
4 - 05M lumen package is not Energy Star compliant.
5 - 05LM, 07LM lumen packages are not Energy Star compliant.

PHOTOMETRY

MD Medium Beam

IVO6S D 20LM 35K 80CRI MD P AR LSS

Wattage: 17.5, Lumens: 2025.8, LPW: 116, S/MH: .85, Test No: 23-471-6P351



Candela Summary	
0°	2501
10°	2475
20°	1885
30°	940
40°	307
50°	85
60°	9
70°	2
80°	1
90°	0

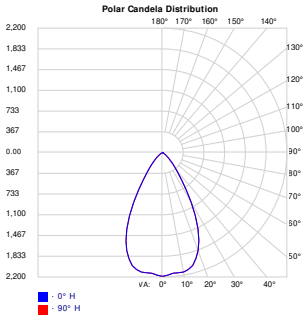
Zonal Lumen Summary		
Zone	Lumens	%
0-30	1497.3	73.9%
0-40	1852.5	91.4%
0-60	2020.7	99.7%
0-90	2025.8	100%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	39.07	8.1	8.1
10'	25.01	10.1	10.1
12'	17.36	12.1	12.1
14'	12.76	14.1	14.1
16'	9.77	16.1	16.1

MWD Medium Wide Beam

IVO6S D 20LM 35K 80CRI MWD P AR LSS

Wattage: 17.5, Lumens: 2046.5, LPW: 117, S/MH: 0.94, Test No:23-560-1P351



Candela Summary	
0°	2190
10°	2146
20°	1845
30°	1018
40°	352
50°	114
60°	9
70°	1
80°	0
90°	0

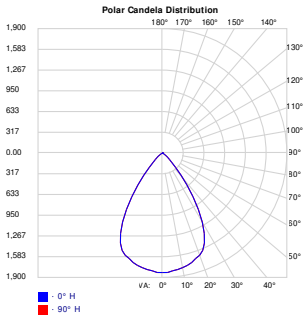
Zonal Lumen Summary		
Zone	Lumens	%
0-30	1444.2	70.6%
0-40	1830	89.4%
0-60	2042.2	99.8%
0-90	2046.5	100%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	34.21	8.9	8.9
10'	21.9	11.2	11.2
12'	15.21	13.4	13.4
14'	11.17	15.7	15.7
16'	8.55	17.9	17.9

WD Wide Beam

IVO6S D 20LM 35K 80CRI WD P AR LSS

Wattage: 17.5, Lumens: 2068.1, LPW:118, S/MH: 1.08, Test No: 23-560-4P351



Candela Summary	
0°	1825
10°	1777
20°	1662
30°	1217
40°	441
50°	108
60°	9
70°	1
80°	0
90°	0

Zonal Lumen Summary		
Zone	Lumens	%
0-30	1340.5	64.8%
0-40	1845	89.2%
0-60	2063.8	99.8%
0-90	2068.1	100%

Cone of Light			
Mounting Height	Initial FC Center Beam	Beam Diameter (ft)	
		Horizontal	Vertical
8'	28.52	10.7	10.7
10'	18.25	13.4	13.3
12'	12.68	16.1	16
14'	9.31	18.7	18.7
16'	7.13	21.4	21.4

CRI/CCT Multiplier Table		
CRI	CCT	Multiplier
80	2700K	0.92
	3000K	0.96
	3500K	1.00
	4000K	1.01
	5000K	1.04
90	2700K	0.80
	3000K	0.85
	3500K	0.85
	4000K	0.89
95	2700K	0.68
	3000K	0.75

Reflector Finish Multiplier		
Trim Color	Optical Finish	Multiplier
AR	LSS	1.00
AR	LS	1.01
AR	LD	0.97
GR	LSS	0.98
GR	LS	0.97
GR	LD	0.95
PR	LSS	0.94
PR	LS	0.95
PR	LD	0.90
WTR	LSS	0.93
WTR	LS	0.92
WTR	LD	0.91
WR		1.02
BZR		0.78
BR		0.77

UGR (70% 50% 20% reflectance using a 4H x 8H room size)						
Lumen Package	Crosswise			Endwise		
	MD	MWD	WD	MD	MWD	WD
05LM	0	1.1	0.8	0	1.1	0.8
07LM	0.6	2.4	2.2	0.6	2.4	2.2
10LM	1.4	3.3	3.1	1.4	3.3	3.1
15LM	2.7	4.6	4.3	2.7	4.6	4.3
20LM	3.7	5.5	5.3	3.7	5.5	5.3
25LM	4.5	6.3	6.1	4.5	6.3	6.1
30LM	5.2	7	6.8	5.2	7	6.8
35LM	5.5	7.4	7.2	5.5	7.4	7.2
40LM	6	7.8	7.6	6	7.8	7.6
45LM	6.4	8.3	8	6.4	8.3	8
50LM	6.8	8.6	8.4	6.8	8.6	8.4

*UGR varies based on luminaire options and is affected by application dependent parameters. Numbers depicted here are considered "Luminaire-UGR" and/or "Point-UGR" values. To determine a more precise maximum UGR value ("Application-UGR"), a full lighting design layout should be completed with the selected luminaire configuration for each application.

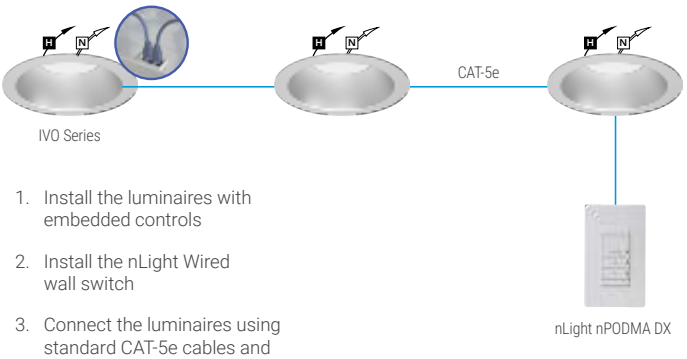
**Calculated using an AR (Clear reflector) with LSS (Semi-Specular) finish

Single Lighting Controls Platform for Indoor & Outdoor Spaces

nLight® is your networked lighting controls platform, for indoor and outdoor applications, providing wired or wireless options. Scaling from room to campus-wide applications, it is the one platform that grows with your business today and tomorrow; to seamlessly address energy cost optimization, building code compliance, improved occupant comfort, and much more. nLight also interfaces with DALI®, BACnet®, DMX and additional third-party devices.

nLightcontrols.com

Wired Embedded Controls



1. Install the luminaires with embedded controls
2. Install the nLight Wired wall switch
3. Connect the luminaires using standard CAT-5e cables and the controls devices will automatically discover each other and work (plug and play)

Wireless Embedded Controls

1. Install the luminaires with embedded controls
2. Install the nLight AIR battery-powered wall switch
3. Use CL**AIR**ITY+ mobile app to pair the fixtures with the wall switch and if desired, customize the sensor settings

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

Catalog Number	
Notes	
Type	

FIXTURE: WP1

Contractor Select™

WMCL4/6

LED WALL CYLINDER LIGHT

Lithonia Lighting

FEATURES

- Switchable CCT (30K/40K/50K) offers warm, cool, and daylight in a single fixture
- Selectable Light Direction (Up/Down/Both)
- Integrated On/Off photocell
- UVOLT Driver (120-347)

Factory Settings	
Light Output	Up/Down
CCT	4000K
Photocell	On

Selectable Light Direction

Switchable CCT SWW2

Integrated Photocell

Catalog	Size	Wattage	Lumens @50K	LPW	Beam Spread	Color	CCT	Voltage	Photocell	Emergency Battery	Cicode	Lead Time
WMCL4 P1 SWW2 A45 UVOLT PE DDBXD M4	4"	19	2,479	130	45 Degree	Dark Bronze	30/40/50K	UVOLT	On/Off	No	2877PY	Stock
WMCL6 P1 SWW2 A45 UVOLT PE DDBXD M4	6"	31	4,728	153	45 Degree	Dark Bronze	30/40/50K	UVOLT	On/Off	No	2877R1	Stock
WMCL4 P1 SWW2 A75 UVOLT PE DDBXD M4	4"	19	2,433	128	75 Degree	Dark Bronze	30/40/50K	UVOLT	On/Off	No	2903FT	Stock
WMCL6 P1 SWW2 A75 UVOLT PE DDBXD M4	6"	31	4,520	146	75 Degree	Dark Bronze	30/40/50K	UVOLT	On/Off	No	2903FU	Stock

Specifications

INTENDED USE:
Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways for safety and security.

CONSTRUCTION:
Cast-aluminum housing with corrosion-resistant paint in dark bronze. Other colors available upon request

OPTICS:
80 CRI
Switchable CCTs 30K/40K/50K
Uplight and Downlight standard on unit and is field adjustable
Photocell is standard and can be turned on/off via switch
Glass lens protects the LED from moisture, dirt and other contaminants.

LUMEN MAINTENANCE:
The LED will deliver 70% of its initial lumens at 50,000 hour average LED life.

ELECTRICAL:
UVOLT driver operates on any line voltage from 120-347V
Operating temperature -40°C to 40°C.
4KV surge protection standard.
It is 0-10v dimmable.

INSTALLATION:
Surface mounts to universal junction box (provided by others).

LISTINGS:
UL Listed to U.S. and Canadian safety standards for wet locations.
Tested in accordance with IESNA LM-79 and LM-80 standards.
Fixture is IP66 rated for wet locations.

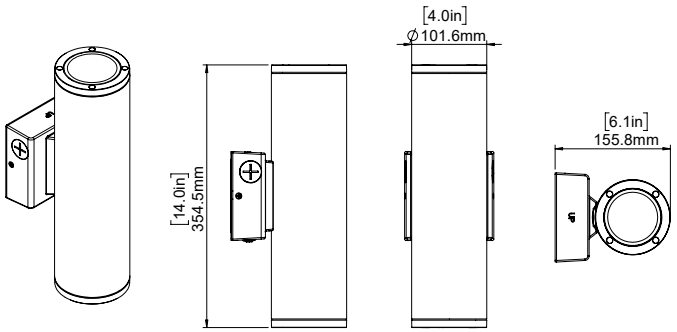
WARRANTY:
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. The product images shown are for illustration purposes only and may not be an exact representation of the product.
Specifications subject to change without notice.

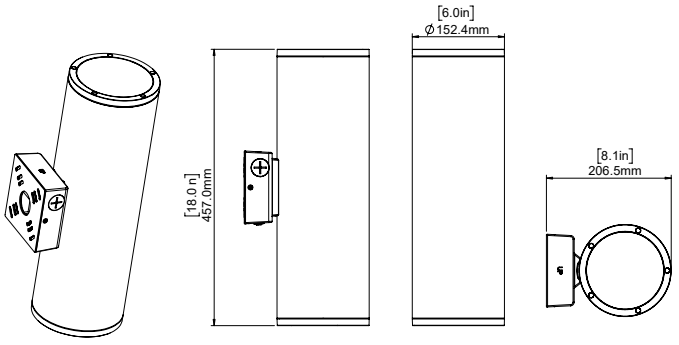
Dimensions

	4"	6"
Length (inches)	14.0	18.0
Diameter (inches)	4.0	6.0
Depth (inches)	6.1	8.1
Weight (lbs)	5.0	7.5

4"



6"



Catalog Number	
Notes	
Type	

FIXTURE: WP2

Contractor Select™

WPX LED

Wall packs

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing full-cut off solution for both new construction and HID wall pack replacement/renovation opportunities. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life.

FEATURES:

- Architectural design at very economical prices
- Energy efficient - payback in less than two years
- Wide range of configuration options available

Note : WPX3 lumen package and all the WPX configuration options are not included in the Contractor Select program. For more information, please visit WPX LED.

Luminaire	CCT	Lumens	Input Watts	Photocell	Finish	Voltage	Catalog Number	CI Code	UPC	Pallet qty.	Replaces Up To
WPX0	SWW2 3000K/ 4000K/ 5000K	850 - 1,650	6.4-13W	Switchable On/Off	DARK BRONZE	120-277V	WPX0 LED ALO SWW2 MVOLT PE DDBXD M2	*276U4U	196182511806	280	70W Metal Halide
WPX1	4000K	2,900	24W	N/A	DARK BRONZE	120-277V	WPX1 LED P2 40K MVOLT DDBXD M4	*265SWK	193048870589	160	150W Metal Halide
WPX2	4000K	6,000	47W	N/A	DARK BRONZE	120-277V	WPX2 LED 40K MVOLT DDBXD M2	*265SX3	193048870756	120	250W Metal Halide
	5000K	6,000	47W	N/A	DARK BRONZE	120-277V	WPX2 LED 50K MVOLT DDBXD M2	*265SX6	193048870770	120	250W Metal Halide

More configurations are available. Click here or visit www.acuitybrands.com and search for WPX LED.

Specifications

INTENDED USE:
The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX0, WPX1, WPX2 and WPX3 are ideal for replacing up to 70W, 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

CONSTRUCTION:
WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL:
Light engine(s) configurations consist of high-efficacy LEDs with a min LED lumen maintenance of L86/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70 (80 for WPX0). Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package and WPX0 comes with a standard surge protection rating of 2.5kV).

INSTALLATION:
WPX can be mounted directly over a standard electrical junction box. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. WPX1, WPX2 and WPX3 come with three 1/2 inch conduit ports on three sides that allow for surface conduit wiring. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards. The WPX is intended for installation on flat wall surfaces. Other applications may void warranty

LISTINGS:
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated.

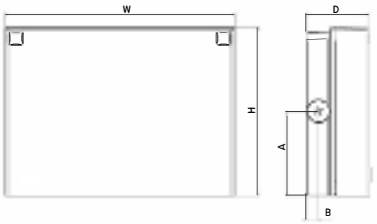
DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

Dimensions

All dimensions are inches (centimeters) unless otherwise indicated.



Front View Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX0	5.75″ (14.6 cm)	5.5″ (14.0 cm)	2″ (5.1 cm)	N/A	N/A	2.5 lbs (1.1kg)
WPX1	8.1″ (20.6 cm)	11.1″ (28.3 cm)	3.2″ (8.1 cm)	4.0″ (10.3 cm)	0.6″ (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1″ (23.1 cm)	12.3″ (31.1 cm)	4.1″ (10.5 cm)	4.5″ (11.5 cm)	0.7″ (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5″ (24.1 cm)	13.0″ (33.0 cm)	5.5″ (13.7 cm)	4.7″ (12.0 cm)	0.7″ (1.7 cm)	11.0 lbs (5.0kg)

EXHIBIT B

Traffic Impact Study

HORIZON VIEW

OAK RIDGE HIGHWAY (SR 62) AT JOE DANIELS ROAD
KNOXVILLE, TENNESSEE

Prepared for:

TRINITY BUSINESS GROUP LLC

Trinity Business Group, LLC
5800 One Perkins Place, Suite 6A
Baton Rouge, LA 70808

Prepared by:

BARGE

520 West Summit Hill Drive
Suite 1202
Knoxville, TN 37902
Phone: 865.637.2810

www.bargedesign.com
File No. 3712278

Engineer of Record:
Geneva Dowdy, PE
Registered TN PE #125987

April 24, 2026

6-C-26-DP
TIS Version 1
4/24/2026

A traffic impact study has been prepared for Horizon View – a proposed multifamily housing and commercial development located in Knoxville, Tennessee. The proposed development will be located on the north side of Oak Ridge Highway (SR 62) along Joe Daniels Road, just east of the Pellissippi Parkway (SR 162) interchange. The proposed site will consist of one full access driveway along Joe Daniels Road.

The proposed development is anticipated to be built in two phases, partially operational by 2028 and fully operational by 2040. The development will primarily consist of multifamily housing, typically classified as LUC 220 – Multifamily Housing (Low-Rise) per the *ITE Trip Generation Manual*. Per the *Knoxville - Knox County Planning Commission Transportation Impact Analysis Guidelines*, a specific "Local Apartment" trip generation rate is to be applied for all proposed multifamily development including apartments, condos, townhomes, or other attached housing (excluding college student housing) that is proposed in the Knoxville / Knox County area. Additionally, two standalone commercial buildings are proposed towards the front of the site, both of which are anticipated to serve as small grocery/variety stores.

With these requirements, the land uses for the proposed development are as follows:

Phase 1 (2028):

- LUC 220 - Local Apartment *(Knoxville / Knox County)*: 249 Dwelling Units.
- LUC 814 – Variety Store: 9,100 s.f.
- LUC 850 – Supermarket: 12,000 s.f.

Phase 2 (2040):

- LUC 220 - Local Apartment *(Knoxville / Knox County)*: 249 Dwelling Units.

The purpose of this study is to assess the potential traffic impacts of the proposed development on the transportation network through the study area. Analysis of the existing traffic conditions was conducted, and trips expected to be generated by the proposed development were calculated and assigned to the roadway network. Analysis of the roadway network using Existing 2025, No Build 2028 (Phase 1), Build 2028 (Phase 1), No Build 2040 (Phase 2), and Build 2040 (Phase 2) traffic volumes was conducted. Improvements to the study area network needed to mitigate the impacts of the new development, if any, were then evaluated.

Turning movement counts (TMC) were collected to determine the existing traffic volumes on the roadway network. An 8-hour TMC was collected at the following four study intersections to determine the AM and PM traffic volume peak hour periods:

1. Oak Ridge Highway (SR 62) at W. Emory Road
2. Oak Ridge Highway (SR 62) at Joe Daniels Road
3. Oak Ridge Highway (SR 62) at Solway Road
4. Oak Ridge Highway (SR 62) at U-Turn median

Based on historical growth rates and coordination with the Knoxville MPO, an annual background growth rate of 1.0% per year was applied throughout the study area to determine No Build 2028 and No Build 2040 traffic volume projections.

Using the *Institute of Transportation Engineers (ITE) Trip Generation Manual* and local trip generation rates provided from the City of Knoxville**,** vehicle trips expected to be generated by the proposed development were calculated. Net new vehicle trips anticipated to be generated from the development were then distributed and assigned to the roadway network throughout the study area.

Intersection analysis was conducted for the study area using the methodology outlined in the *HCM Manual, 7th Edition*. The results for the using Existing 2025, No Build 2028 (Phase 1), Build 2028 (Phase 1), No Build 2040 (Phase 2), and Build 2040 (Phase 2) scenarios show that the following recommendations will help traffic operations in the study area after the proposed development is open.

Recommendations

Based on this study's findings, the following improvements are recommended to better enhance traffic operations within the study area before and/or upon completion of the proposed development. These improvements are defined based on existing or background conditions without the proposed development as well as anticipated conditions once the proposed development is operational. Improvements outlined in Existing or No Build conditions should be considered for improved roadway operations regardless of the proposed development:

Existing 2025

Oak Ridge Highway (SR 62) at W. Emory Road:

- **Install one left turn lane with 50 feet of storage** along the eastbound approach of Oak Ridge Highway (SR 62).

Oak Ridge Highway (SR 62) at U-Turn median:

- **Consider corridor operational and safety study** along Oak Ridge Highway (SR 62) from Solway Road to Burchfield Drive / Sparks Road to provide potential mitigation for heavy u-turning vehicles.

Build 2028

Oak Ridge Highway (SR 62) at Joe Daniels Road:

- **Install a traffic signal** with the following laneage:
  - Oak Ridge Highway (SR 62) - Eastbound approach
    - One left turn lane with a minimum of 100 feet of storage
    - One shared through / right turn lane with full storage
  - Oak Ridge Highway (SR 62) – Westbound approach
    - One shared left turn / through lane with full storage
    - One right turn lane with a minimum of 100 feet of storage
  - Joe Daniels Road – Northbound approach
    - One shared left turn / through / right turn lane with full storage
  - Joe Daniels Road – Southbound approach
    - One shared left turn / through / right turn lane with full storage

A traffic signal is warranted at the study intersection, however existing interchange geometry presents constraints for adequate vehicle weaving and storage from the interchange of Oak Ridge Highway (SR 62) at Pellissippi Parkway (SR 162) and the study intersection. A traffic signal installation is conditional to the reconstruction of the interchange weaving and merging area between the two highways. Adequate spacing for vehicles to merge across to the eastbound left turn lane at the study intersection is critical to the success of a traffic signal at this location.

- **Realign Joe Daniels Road to align with site access** along the southbound approach. The site access will operate with one ingress lane and one egress lane per the proposed site plan in Appendix A.

Public Notice and Community Engagement

Planning strives to provide community members with information about upcoming cases in a variety of ways. In addition to posting public notice signs, our agency encourages applicants to provide information and offer opportunities for dialogue related to their upcoming case(s). The contact information you provide in your application may be used for that purpose. We require applicants to acknowledge their role in this process.

Sign Posting and Removal

The Administrative Rules and Procedures of the Knoxville-Knox County Planning Commission require a sign to be posted on the property for each application subject to consideration by the Planning Commission.

Planning staff will post the required sign. If a replacement sign(s) is needed, the applicant is responsible for picking up the new sign(s) from Planning and will be charged $10 for each replacement.

Location and Visibility

The sign must be posted on the nearest adjacent/frontage street and in a location clearly visible to vehicles traveling in either direction. If the property has more than one street frontage, the sign should be placed along the street that carries more traffic. Planning staff may recommend a preferred location for the sign to be posted at the time of application.

Timing

The sign(s) must be posted not less than 12 days prior to the scheduled Planning Commission public hearing and must remain in place until the day after the meeting. In the case of a postponement, the sign can either remain in place or be removed and reposted not less than 12 days prior to the next Planning Commission meeting. The applicant is responsible for removing the sign after the application has been acted upon by the Planning Commission.

Acknowledgement

***By signing below**, you acknowledge that public notice signs must be posted and visible on the property consistent with the guidelines above and between the dates listed below.*

05/30/2026 — Date to be Posted

06/12/2026 — Date to be Removed

Have you engaged the surrounding property owners to discuss your request?

- ☐ Yes
- ☐ No
- ■ No, but I plan to prior to the Planning Commission meeting

Ian.Jay@bargedesign.com — Applicant Signature

Digitally signed by Ian.Jay@bargedesign.com
DN: E=Ian.Jay@bargedesign.com, CN=Ian.Jay@bargedesign.com
Date: 2026.04.23 16:11:48-05'00'

Ian Jay — Applicant Name

4/24/2026 — Date