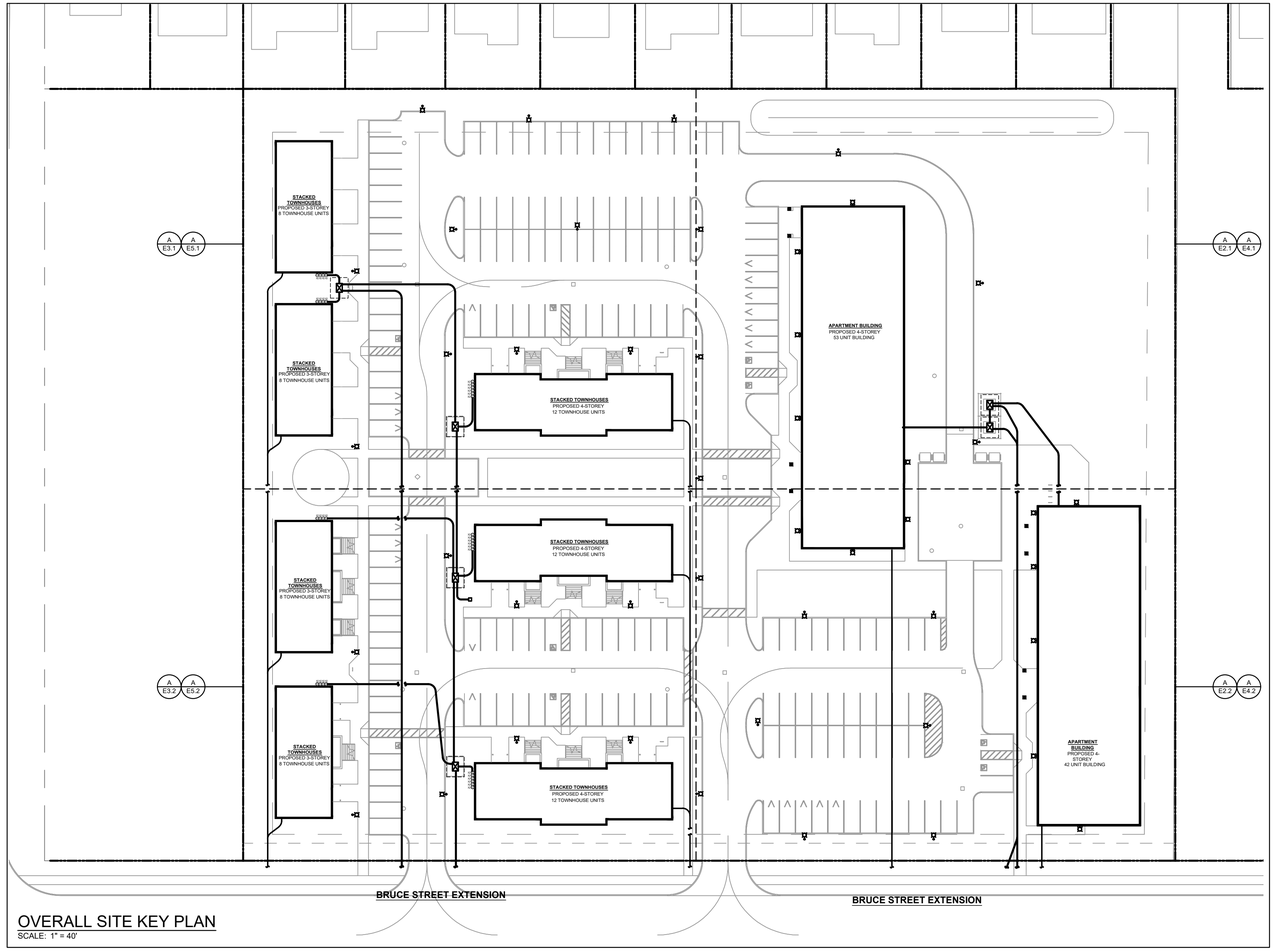


OVERALL SITE KEY PLAN
SCALE: 1" = 40'

ELECTRICAL SYMBOLS

NOTE: ALL SYMBOLS MAY NOT BE USED

LIGHTING		POWER	
	POLE MOUNTED LIGHT FIXTURE		FUSED DISCONNECT
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED		0-15 MINUTE INTERVAL TIMER
PC	PHOTOCELL	C	CONTACTOR
GENERAL			TRANSFORMER
X	NOTE INDICATOR	PB	PULLBOX
X / ESLX	DETAIL REFERENCE	M	UTILITY 5-JAW METER BASE
$+_{XX}$	PHOTOMETRIC LEVEL (foot candle)		

DEI Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 26122

Rev No.	DATE	REMARKS
1	14AUG2026	ISSUED FOR SITE PLAN APPROVAL

ISSUED FOR

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
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PROFESSIONAL ENGINEER
LICENCE
J.J. JACKSON
100011324
8/14/26
PROVINCE OF ONTARIO

PROJECT NORTH

AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

OVERALL KEY PLAN AND ELECTRICAL LEGEND

scale : AS NOTED
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drawn : ET
check : SD
date : AUGUST 2026
job : 2295
sheet : E1.1

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LIGHT FIXTURE SCHEDULE (EXTERIOR)

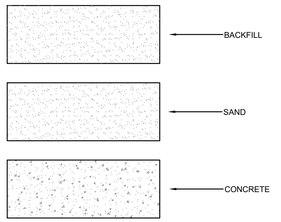
Item	Manufacturer/Catalog Number	Voltage	Lamp					Mounting	Required Listings	Description
			Type	Lumens	Colour Temperature	Wattage	CRI			
BA1	McGRAW-EDISON CAT. #GALN-SA1A-730-U-SL4-FADC-XX ACUITY CAT# DSX0 LED P1 30K 70CRI T4M MVOLT SPA FAO HS XX GENLYTE GARDCO CAT. #OPF-S-P02-730-T4M-AR1-UNV-FAWS-XX POLE: VALMONT CAT. #DS330-400Q160-D1-FPGV-XX- FBC-AB OR EQUAL	120V	LED	4666	3000K	33W	80	POLE	IDA	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE '4' DISTRIBUTION OPTICS, HOUSE SIDE SHIELD, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), AND 17° (5.2m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT. NOTES: POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.
BA2	McGRAW-EDISON CAT. #GALN-SA1A-730-U-T4FT-FADC-XX ACUITY CAT# DSX0 LED P1 30K 70CRI TFTM MVOLT SPA FAO HS XX GENLYTE GARDCO CAT. #OPF-S-A01-730-T4W-AR1-UNV-FAWS-XX POLE: VALMONT CAT. #DS330-400Q160-D1-FPGV-XX- FBC-AB OR EQUAL	120V	LED	4698	3000K	33W	80	POLE	IDA	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE '4' DISTRIBUTION OPTICS, HOUSE SIDE SHIELD, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), AND 17° (5.2m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT. NOTES: POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.
BA3	McGRAW-EDISON CAT. #GALN-SA1A-730-U-SL2-FADC-XX ACUITY CAT# DSX0 LED P1 30K 70CRI T2M MVOLT SPA FAO HS XX GENLYTE GARDCO CAT. #OPF-S-A01-730-T2M-AR1-UNV-FAWS-XX POLE: VALMONT CAT. #DS330-400Q160-D1-FPGV-XX- FBC-AB OR EQUAL	120V	LED	4545	3000K	33W	80	POLE	IDA	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE '4' DISTRIBUTION OPTICS, HOUSE SIDE SHIELD, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), AND 17° (5.2m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT. NOTES: POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.
BA4	McGRAW-EDISON CAT. #GALN-SA1A-730-U-5WQ-FADC-XX ACUITY CAT# DSX0 LED P1 30K 70CRI T5W MVOLT SPA FAO XX GENLYTE GARDCO CAT. #OPF-S-A01-730-T5W-AR1-UNV-FAWS-XX POLE: VALMONT CAT. #DS330-400Q160-D1-FPGV-XX- FBC-AB OR EQUAL	120V	LED	4878	3000K	33W	80	POLE	IDA	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE '4' DISTRIBUTION OPTICS, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), AND 17° (5.2m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE. ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT. NOTES: POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.
BB1	COOPER CAT. #IST-SA1A-730-U-T2-XX ACUITY CAT# WDGE2 LED P1 30K 70CRI T1S MVOLT GENLYTE GARDCO CAT. #GWM-A06-830-T2M-UNV-XX	120V	LED	1105	3000K	11W	80	WALL	IP66, IDA	COMPLETE CUT OFF TRAPEZOIDAL LED WALLPACK FIXTURE C/W TYPE '1' SHORT WITH SPILL CONTROL DISTRIBUTION, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS.
BB2	COOPER CAT. #IST-SA1B-730-U-SL4-XX ACUITY CAT# WDGE2 LED P1 30K 70CRI T4M MVOLT GENLYTE GARDCO CAT. #GWM-A06-830-T4M-UNV-XX	120V	LED	1126	3000K	11W	80	WALL	IP66, IDA	COMPLETE CUT OFF TRAPEZOIDAL LED WALLPACK FIXTURE C/W TYPE '4' MEDIUM WITH SPILL CONTROL DISTRIBUTION, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS.
BB3	COOPER CAT. #IST-SA1B-730-U-T4FT-XX ACUITY CAT# WDGE2 LED P2 30K 70CRI TFTM MVOLT GENLYTE GARDCO CAT. #GWM-A06-830-T4M-UNV-XX	120V	LED	1547	3000K	19W	80	WALL	IP66, IDA	COMPLETE CUT OFF TRAPEZOIDAL LED WALLPACK FIXTURE C/W FORWARD THROW MEDIUM WITH SPILL CONTROL DISTRIBUTION, FULL CUT-OFF DARK SKY COMPLIANCE (IDA), AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS.
BC1	COOPER CAT. #LD6C10D010-EU6C10208040-6LBM1H ACUITY CAT# LBR6 AL01 SWW1 AR LSS MWD MVOLT UGZ LITELINE CAT. #GEN06-IA-40-W-HW-S-N-X-N-1	120V	LED	1010	4000K	10W	80	RECESSED	N/A	RECESSED 6" (150mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGED 50 DEGREE BEAM REFLECTOR, SEMI-SPECULAR CLEAR FINISH, AND 1% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH.

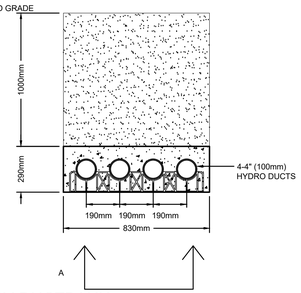
Notes:

1. LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT.
2. TENDER PRICE TO INCLUDE ONLY APPROVED MANUFACTURERS LISTED ON SCHEDULE. EQUAL MANUFACTURERS ARE NOT BEING CONSIDERED FOR THIS TENDER UNLESS SPECIFICALLY IDENTIFIED ON SCHEDULE FOR NOTED FIXTURE TYPES. FOR NOTED APPROVED EQUALS TO BE CONSIDERED APPROVED, MANUFACTURERS/SUPPLIERS MUST CONFIRM THE PROPOSED EQUAL BY EMAIL WITH CONSULTANTS OFFICE PRIOR TO PROJECT ADDENDUM PERIOD CLOSE. THEY MUST THEN PROVIDE PHOTOMETRIC ANALYSIS FOR THE EXTERIOR FIXTURE LAYOUT INDICATED USING THEIR PROPOSED FIXTURE.
3. WHERE NOTED ABOVE THAT FIXTURES ARE TO HAVE FINISH TO SUIT ARCHITECT THE FINISH WILL BE SELECTED FROM MANUFACTURER'S AVAILABLE STANDARD FINISHES.
4. IT IS THE RESPONSIBILITY OF THIS ELECTRICAL CONTRACTOR TO IDENTIFY TO THE ELECTRICAL CONSULTANT'S ATTENTION ANY DISCREPANCIES BETWEEN THE FIXTURE CATALOG NUMBER AND FIXTURE DESCRIPTION, AND OR VOLTAGE, OUTPUT, OR MOUNTING, PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT THE TIME OF SHOP DRAWING REVIEW. FOR THE PURPOSES OF BIDDING, INCLUDE FOR A FIXTURE MATCHING THE VOLTAGE, MOUNTING, LOCATION AND NOTATIONS SHOWN ON LIGHTING DESIGN DRAWINGS.
5. EXTERIOR FIXTURES WHERE NOTED ARE TO BE C/W FIELD ADJUSTABLE LUMENS/WATTAGE FEATURE. FIXTURES TO BE SET TO FULL OUTPUT AT TIME OF STARTUP AND COMMISSIONING.

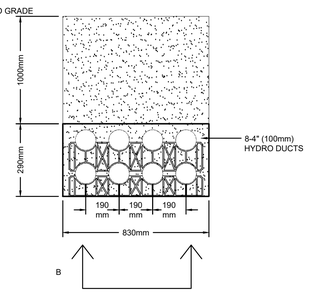
DUCTBANK DETAIL NOTES:

1. ENCASE DUCTS IN 20 MPa CONCRETE ON 1/2" (13mm) PEA GRAVEL.
2. SLOPE DUCT BANK A MIN. OF 3" (75mm) PER 100' (30.5m) (AWAY FROM BUILDING).
3. CONCRETE ENCASED DUCTS SHALL BE CSA APPROVED PVC TYPE II.
4. DUCTS NOT ENCASED IN CONCRETE SHALL BE CSA APPROVED RIGID PVC TYPE.
5. PROVIDE 1-3/16" (4.75mm) MIN. POLYPROPYLENE FISH ROPE IN EACH CONCRETE ENCASED OR DIRECT BURIED DUCT. DUCT ENDS MUST BE SEALED WITH AN APPROVED DUCT PLUG.

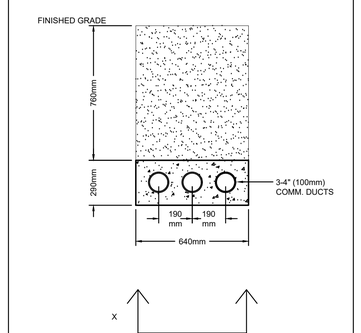




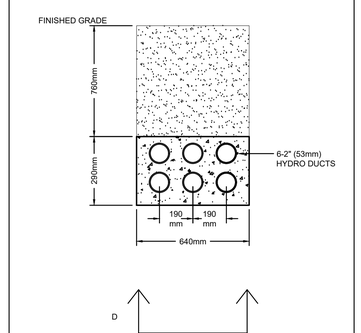
A-PRIMARY DUCTBANK
SCALE: NTS



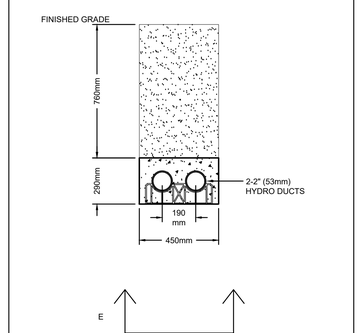
B-PRIMARY DUCTBANK
SCALE: NTS



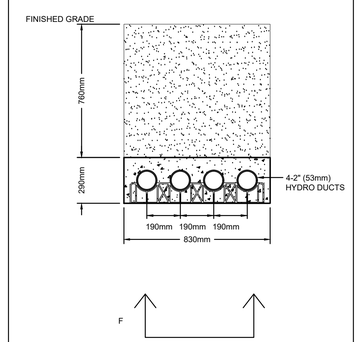
X-COMMUNICATIONS DUCTBANK
SCALE: NTS



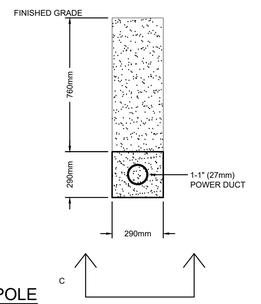
D-SECONDARY POWER
SCALE: NTS



E-SECONDARY POWER
SCALE: NTS



F-SECONDARY POWER
SCALE: NTS



C-LIGHT POLE
SCALE: NTS

55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 26122

Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

Rev No.	DATE	REMARKS
1	14AUG2026	ISSUED FOR SITE PLAN APPROVAL

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LICENCE PROFESSIONAL ENGINEER
J.J. JACKSON
100011324
8/14/26
PROVINCE OF ONTARIO

PROJECT NORTH

AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

DETAILS AND SCHEDULES

scale : AS NOTED
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drawn : ET
check : SD
date : AUGUST 2026
job : 2295
sheet : E1.2

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LITHONIA LIGHTING

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — Galvanized steel housing with white thermoset lensed overjunction box with button-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.

Two combination 1/2" 3/4" and four 1/2 knockouts for straight-through conduit runs. Capacity: 8 (9 UL, 4 cut). Six 12 AWG conductors, rated for 90°C.

Accommodates 12" 24" joist spacing.

Passive cooling thermal management for 25°C standard, high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 5".

OPTICS — Precision lensed to a 3-step MacAdam Ellipse; 80 CRI minimum. 90 CRI optional.

LED high source lumens, 4000K (neutral) lens.

General illumination lighting with 120 MM and 55° cutoff to source and source image.

Self-flanged anodized reflectors on specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

Controls (Optional) —

• Luminaire can be equipped with interface for nLight wired, allowing it to communicate over an nLight network. Network can be configured to operate autonomously, or be linked to an nLight Wireless Zone Controller or Wireless Zone. Link Control Zone to a Gateway directly or via a Bridge for remote status monitoring and control using SensorView software.

• Luminaire can be equipped with interface for nLight Air, allowing it to communicate over the wireless nLight air control platform. Can be paired to other luminaires and wall switches through CLAIRITY+, a mobile app, which requires a local Bluetooth connection.

ADA — ADA-compliant fixtures aimed at walls with a cut-off equal to or less than 60deg, per CIE 127-1994 (Incumbent Glare = 0.10 TI).

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box. 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

LUMEN MAINTENANCE — 70% lumen maintenance at 60,000 hours, L70/60,000 hours.

LISTINGS — cULus Listed to US and Canadian safety standards. Wet location standard (covered ceilings). IP55 rated. Suitable for damp locations.

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.

NOTE — Specifications subject to change without notice. Consult factory 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.

PERFORMANCE DATA

LENS TYPE: 40 LED (4000K)			
Nominal Lumens	Lumens	Watt age	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1516	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

Notes

• Tested in accordance with IESNA LM-79-08.

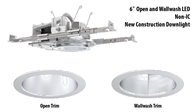
• Tested to current ES and NEMA standards under stabilized laboratory conditions.

• CRI 80 typical.

Catalog Number
Notes
Type

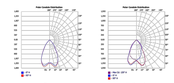
LDN6 STATIC WHITE

6" Open and Wallwash LED
Non-IC
New Construction Downlight



Open Trim — Wallwash Trim

DISTRIBUTIONS



Open — Wallwash

DIMENSIONS

LDN6 500-3000 Lumens



See page 4 for other fixture dimensions

DOWNLIGHTING — LDN6

LITHONIA LIGHTING

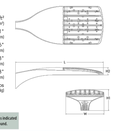
Catalog Number
Notes
Type

D-Series Size 1
LED Area Luminaire

d*series

Specifications

EPA:	0.69 ft² (0.06 m²)
Length:	32.21" (817 mm)
Width:	14.26" (362 mm)
Height H1:	7.88" (200 mm)
Height H2:	2.73" (69 mm)
Weight:	34 lbs (15.4 kg)



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 photometrics aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% 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: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX1 LED

Series	LEDs	Color temperature*	Color Rendering Index*	Distribution	Voltage	Mounting
DSX1 LED	**Forward optics** P1 P6 P2 P7 P3 P8 P4 P9 P5 **Rotated optics** P10* P12* P11* P13*	30K 3000K 40K 4000K 50K 5000K 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 90CRI 90CRI 90CRI	AFR Automotive front row TFS Type 1 Short T2M Type 2 Medium T3M Type 3 Medium T4FT Type 4 Low Forward T4M Type 4 Medium T4LG Type 4 Low Glare TFTM Forward Throw Medium	T5M Type 5 medium T5LG Type 5 Low glare T5W Type 5 wide BLC3 Type 3 backlight control* BLC4 Type 4 backlight control* LCCO Left corner cutoff* RCCO Right corner cutoff*	MVOLT (120V-277V)* HVOLT (347V-480V)* XVOLT (277V - 480V)* 120 V,* 208 V,* 240 V,* 277 V,* 347 V,* 480 V,*	**Shipped included** SPA Square pole mounting (RF drilling) RPA Round pole mounting (RF drilling) SPA1 Square pole mounting #1 drilling* RPA1 Round pole mounting #1 drilling* SPA9% Square narrow pole mounting #1 drilling WBA Wall bracket* WA Wall arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options	Other options	Finish (required)
Shipped installed NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 5fc,* 9,* 11,* 13,* PIR High/low, motion sensor, 8-40' mounting height, ambient sensor enabled at 1fc,* 5,* 10,* 15,* PER NEMA twist-lock receptacle only (controls ordered separately)* 9,* 11,* 13,* PER5 Five-pin receptacle only (controls ordered separately)* 9,* 11,*	PE67 Seven-pin receptacle only (controls ordered separately)* 9,* 11,* FAO Field adjustable output* 9,* 11,* BL30 Bi-level switched dimming, 30% 9,* 11,* BL50 Bi-level switched dimming, 50% 9,* 11,* DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)* 9,* 11,* DS Dual switching* 9,* 11,*	**Shipped installed** SPD20KV 20kV surge protection HS Houseside shield (black finish standard)* 11,* LWG Left-rotated optics* RWG Right-rotated optics* CCE Coastal Construction* HA 50°C ambient operation* 11,* BAA Buy America(n) Act and/or Build America Buy America Qualified SF Single fuse (120, 277, 347V)* 11,* DF Double fuse (208, 240, 480V)* 11,* **Shipped separately** EGSR External Glare Shield (anomalies, field install required, matches housing finish) BSSR Bird Spikes (field install required)	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

LITHONIA LIGHTING — COMMERCIAL OUTDOOR — 1 Acuity Way • Decatur, Georgia 30035 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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DSX1 LED Rev. 08/29/25 Page 1 of 10

LITHONIA LIGHTING

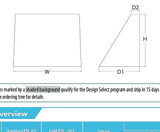
WDGE2 LED
Architectural Wall Sconce
Precision Refractive Optic

Catalog Number
Notes
Type

d*series

Specifications

Depth (D1):	7"
Depth (D2):	1.5"
Height:	9"
Width:	11.5"
Weight: (without options)	13.5 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes and multiple lumen packages. The WDGE2 LED family is providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

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

WDGE LED Family Overview

Luminaires	Optic	Standard 4000K, 70 CRI	CA4000, 70 CRI	Source	Approximate Lumens (4000K, 70CRI)					
					P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		–	350	1,200	2,000	–	–	–
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	–	1,200	2,000	3,000	4,500	6,000
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	–
WDGE2 LED	Precision Refractive	15W	18W	Standalone / nLight	–	1,200	2,500	4,500	6,000	–
WDGE2 LED	Precision Refractive			Standalone / nLight	–	1,200	4,000	8,000	10,000	12,000
WDGE2 LED	Precision Refractive			Standalone / nLight	–	13,000	16,000	18,000	20,000	22,000
WDGE2 LED	Precision Refractive			Standalone / nLight	–	13,000	16,000	18,000	20,000	22,000

Ordering Information

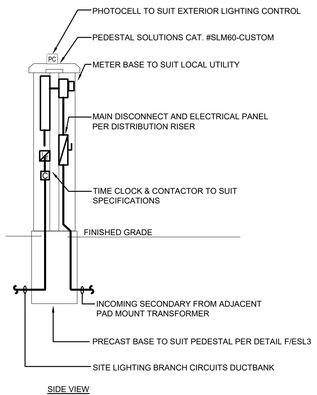
EXAMPLE: WDGE2 LED P3 40K 80CRI T3M MVOLT SRM DDBXD

Series	Package	Color Temperature*	CRI	Distribution	Voltage	Mounting
WDGE2 LED	P1* P7* P1F1* P8* P2* P9* P3* P10* P4*	27K 2700K 30K 3000K 35K 3500K 40K 4000K AWIP* Amber	70CRI 80CRI	T1S Type 1 Short T2M Type 2 Medium T3M Type 3 Medium T4M Type 4 Medium TFTM Forward Throw Medium	MVOLT 347* 480*	**Shipped included** SRM Surface mounting bracket ICW Indirect Canopy Ceiling Washer (no drill / dry damp locations only)*

Shipped separately
AWS 3-Way Architectural wall spacer*
PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available*

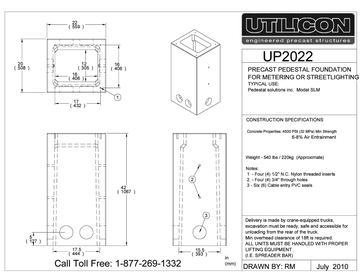
Options		Finish
E10WH Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 0°C min) E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min) PE Photocell, Button Type* DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)*	**Standalone Sensors/Controls** PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk-to-dawn switching. PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk-to-dawn switching. PIR1FC3V Bi-level (100/27%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk-to-dawn operation. PIRH1FC3V Bi-level (100/27%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk-to-dawn operation. **Networked Sensors/Controls** NLTAIR2 PIR Embedded wireless controls by nLight with Passive Infrared (5) sensor and on/off photocell for 8-15' mounting heights. NLTAIR2 PIRH Embedded wireless controls by nLight with Passive Infrared (5) sensor and on/off photocell for 15-30' mounting heights. NLTAIRE2 PIR Embedded wireless controls by nLight with (1) 0/10V isolated emergency operation, Passive Infrared (5) sensor and on/off photocell for 8-15' mounting heights. NLTAIRE2 PIRH Embedded wireless controls by nLight with (1) 0/10V isolated emergency operation, Passive Infrared (5) sensor and on/off photocell for 15-30' mounting heights. See page 4 for set of box functionality	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

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WDGE2 LED Rev. 05/07/26



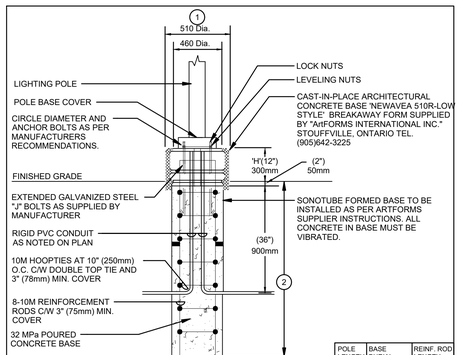
NOTES:
1 CONTRACTOR SHALL PROVIDE METERED PEDESTAL ENCLOSURE WITH ALL ASSOCIATED DEVICES PER SITE PLAN AND DISTRIBUTION RISER AS NOTED.
2 COORDINATE REQUIREMENTS WITH LOCAL UTILITY.

A-SITE LIGHTING PEDESTAL
SCALE: NTS



NOTES:
1. BASE IS TO BE INSTALLED SUCH THAT 50mm EXTENDS ABOVE GRADE.

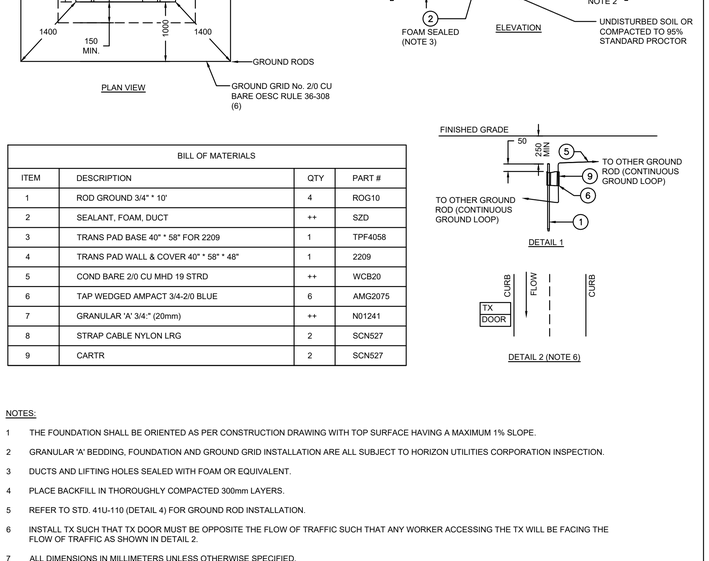
B-SITE LIGHTING METERED PEDESTAL BASE
SCALE: NTS



NOTES:
1. BASE DIAMETER MUST BE A MINIMUM OF 1.5 TIMES THE SIZE OF THE MANUFACTURER'S RECOMMENDED BOLT CIRCLE DIAMETER. BOLT COVER MUST NOT OVERHANG BASE. CONTRACTOR IS TO CONFIRM BASE DIAMETER ON FIXTURE SHOP DRAWINGS.
2. REFER TO CHART INDICATING BASE BURIAL DEPTH.

POLE LENGTH (M)	BASE BURIAL DEPTH (M)	REINF. ROD LENGTH (M)
3.0	1.50	H+1.35
5.6	2.15	H+2.00
7.0	2.15	H+2.00
7.5	2.15	H+2.00
8.7	2.45	H+2.30
9.0	2.45	H+2.30
10.5	2.60	H+2.45
12.0	2.75	H+2.60
13.6	2.90	H+2.75
15.1	3.05	H+2.90

C-LIGHT STANDARD DETAIL
SCALE: NTS



BILL OF MATERIALS			
ITEM	DESCRIPTION	QTY	PART #
1	ROD GROUND 3/4" * 10'	4	ROG10
2	SEALANT, FOAM, DUCT	++	SZD
3	TRANS PAD BASE 40" * 58" FOR 2209	1	TPF4058
4	TRANS PAD WALL & COVER 40" * 58" * 48"	1	2209
5	COND BARE 2/0 CU MHD 19 STRD	++	WCB20
6	TAP WEDGED AMPACT 3/4-2/0 BLUE	6	AMG2075
7	GRANULAR 'A' 3/4:" (20mm)	++	N01241
8	STRAP CABLE NYLON LRG	2	SCN527
9	CARTR	2	SCN527

NOTES:
1 THE FOUNDATION SHALL BE ORIENTED AS PER CONSTRUCTION DRAWING WITH TOP SURFACE HAVING A MAXIMUM 1% SLOPE.
2 GRANULAR 'A' BEDDING, FOUNDATION AND GROUND GRID INSTALLATION ARE ALL SUBJECT TO HORIZON UTILITIES CORPORATION INSPECTION.
3 DUCTS AND LIFTING HOLES SEALED WITH FOAM OR EQUIVALENT.
4 PLACE BACKFILL IN THOROUGHLY COMPACTED 300mm LAYERS.
5 REFER TO STD. 41U-110 (DETAIL 4) FOR GROUND ROD INSTALLATION.
6 INSTALL TX SUCH THAT TX DOOR MUST BE OPPOSITE THE FLOW OF TRAFFIC SUCH THAT ANY WORKER ACCESSING THE TX WILL BE FACING THE FLOW OF TRAFFIC AS SHOWN IN DETAIL 2.
7 ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.

D-FOUNDATION & GROUND GRID FOR SINGLE-PHASE TRANSFORMER
SCALE: NTS

DEI
55 Northland Road, Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 26122
Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC

Rev No.	DATE	REMARKS
1	14AUG2026	ISSUED FOR SITE PLAN APPROVAL

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PROFESSIONAL ENGINEER
LICENCE J. JACKSON
100011324
8/14/26
PROVINCE OF ONTARIO

PROJECT NORTH

AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

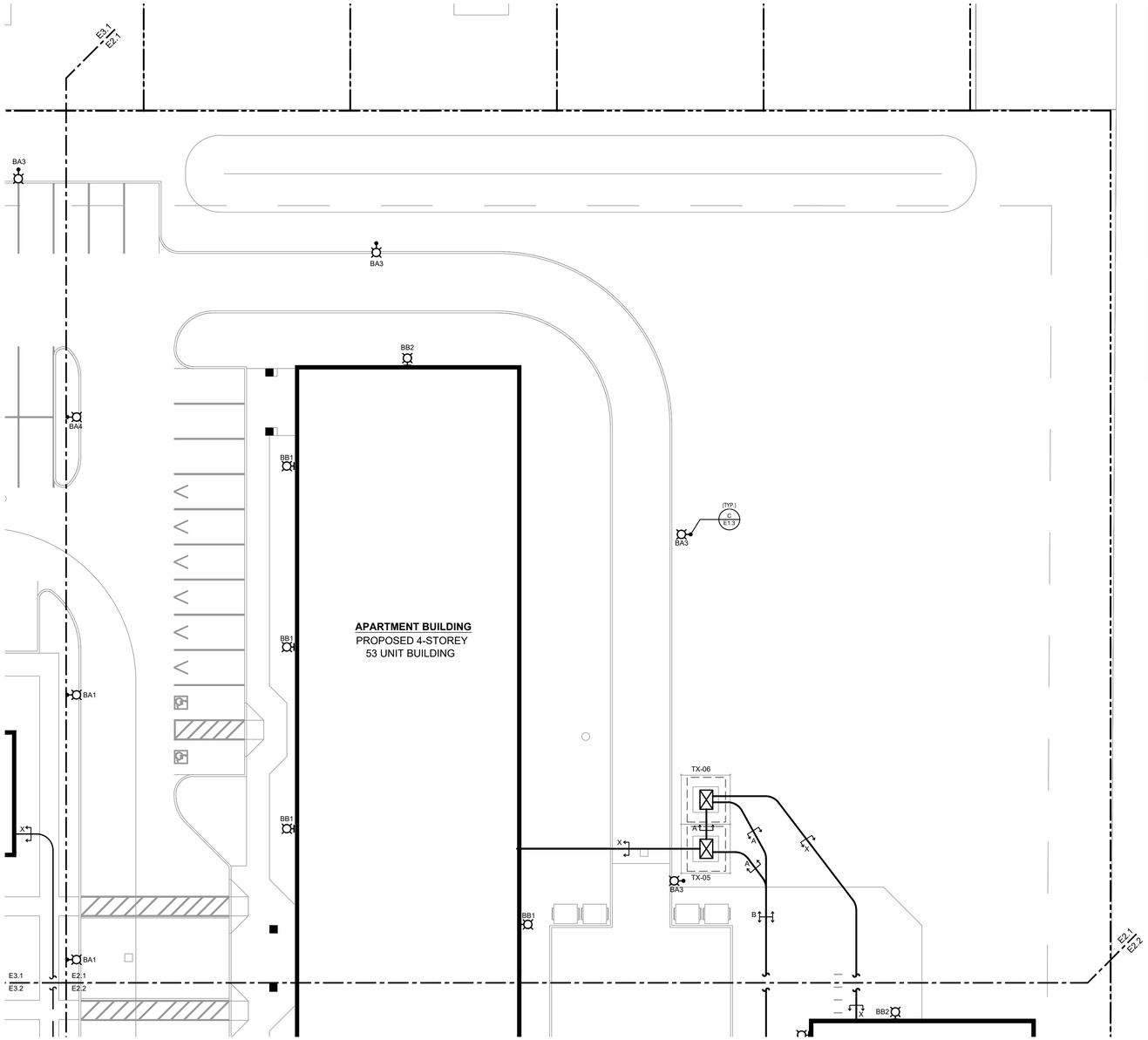
BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

FIXTURE SPECIFICATION SHEETS AND DETAILS

scale : **AS NOTED**
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date : AUGUST 2026
job : 2295
sheet : E1.3

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A-SERVICING SITE PLAN - BLOCK 1 NORTH
SCALE: 1/16" = 1'-0"

ELECTRICAL SYMBOLS

NOTE: ALL SYMBOLS MAY NOT BE USED

LIGHTING		POWER	
	POLE MOUNTED LIGHT FIXTURE		FUSED DISCONNECT
	CEILING OR WALL MOUNTED LIGHT FIXTURE TYPE AS INDICATED		0-15 MINUTE INTERVAL TIMER
PC	PHOTOCELL	C	CONTACTOR
GENERAL			TRANSFORMER
X	NOTE INDICATOR	PB	PULLBOX
E3.1 / ESLX	DETAIL REFERENCE	M	UTILITY 5-JAW METER BASE
+x.x	PHOTOMETRIC LEVEL (foot candle)		

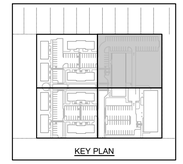
SITE NOTES

1 INDICATES COMMUNICATIONS DUCT BANK TERMINATED AT PROPERTY LINE FOR EXTENSION BY LOCAL COMMUNICATIONS UTILITY.

2 INDICATES PRIMARY DUCTBANK TO BE TERMINATED AT PROPERTY LINE FOR EXTENSION BY LOCAL UTILITY (ALECTRA).

3 PROVIDE PRIMARY PULLBOX TO SUIT LOCAL UTILITY STANDARDS.

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AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

SERVICING SITE PLAN - BLOCK 1 NORTH

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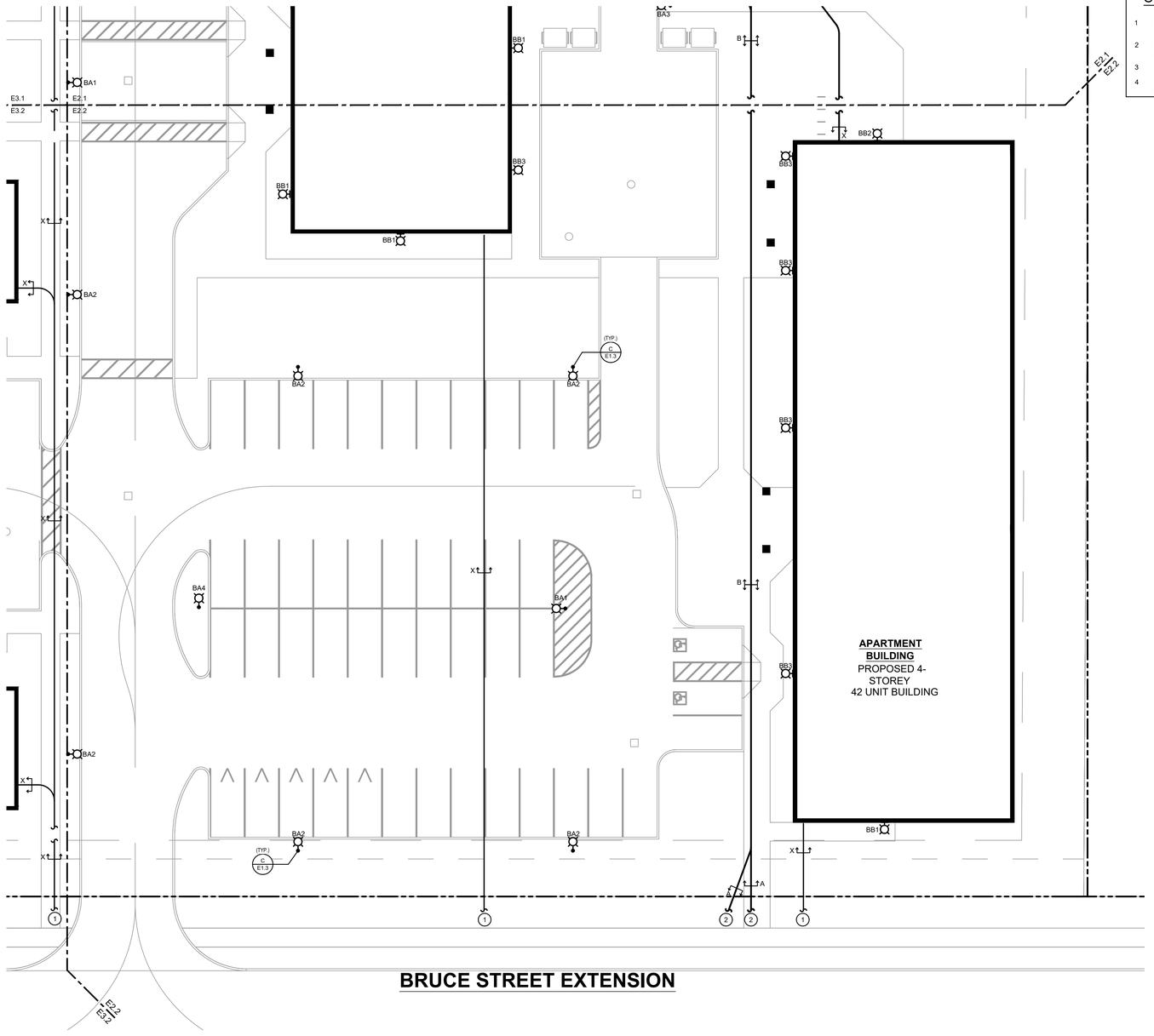
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job : 2295

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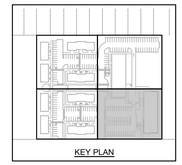


A-SERVICING SITE PLAN - BLOCK 1 SOUTH
SCALE: 1/16" = 1'-0"

SITE NOTES

1. INDICATES COMMUNICATIONS DUCT BANK TERMINATED AT PROPERTY LINE FOR EXTENSION BY LOCAL COMMUNICATIONS UTILITY.
2. INDICATES PRIMARY DUCTBANK TO BE TERMINATED AT PROPERTY LINE FOR EXTENSION BY LOCAL UTILITY (ALECTRA).
3. PROVIDE PRIMARY PULLBOX TO SUIT LOCAL UTILITY STANDARDS.
4. INDICATES LIGHTING ELECTRICAL SERVICE PEDESTAL TO BE PROVIDED IN ACCORDANCE WITH DETAIL A/E1.3 AND B/E1.3.

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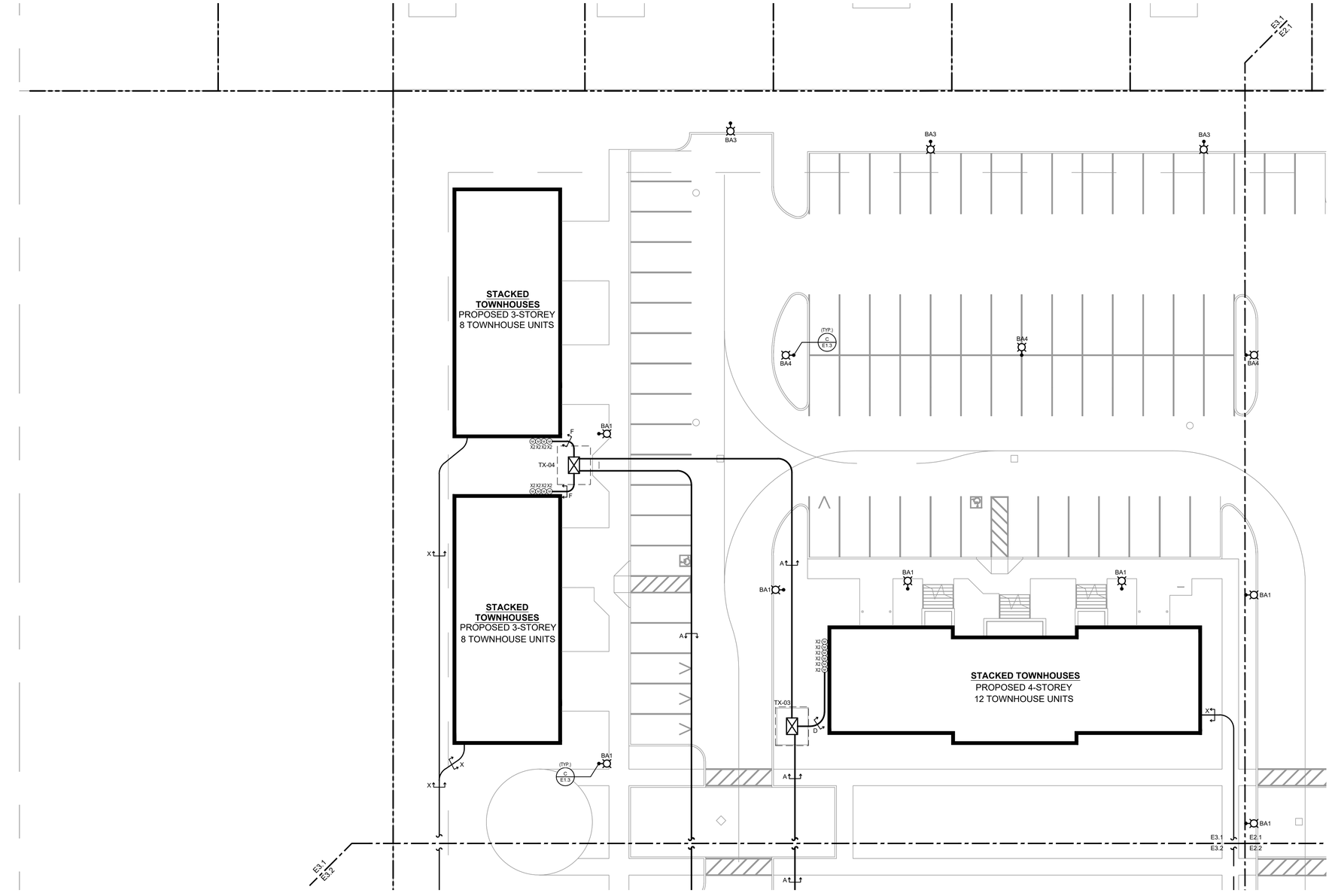
AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

SERVICING SITE PLAN - BLOCK 1 SOUTH

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date :	AUGUST 2026
job :	2295
sheet :	E2.2

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A-SERVICING SITE PLAN - BLOCK 2 NORTH
SCALE: 1/16" = 1'-0"

SITE NOTES

1 INDICATES COMMUNICATIONS DUCT BANK TERMINATED AT PROPERTY LINE FOR EXTENSION BY LOCAL COMMUNICATIONS UTILITY.

2 INDICATES PRIMARY DUCTBANK TO BE TERMINATED AT PROPERTY LINE FOR EXTENSION BY LOCAL UTILITY (ALECTRA).

3 PROVIDE PRIMARY PULLBOX TO SUIT LOCAL UTILITY STANDARDS.

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8/14/26
PROVINCE OF ONTARIO

PROJECT NORTH

AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

SERVICING SITE PLAN - BLOCK 2 NORTH

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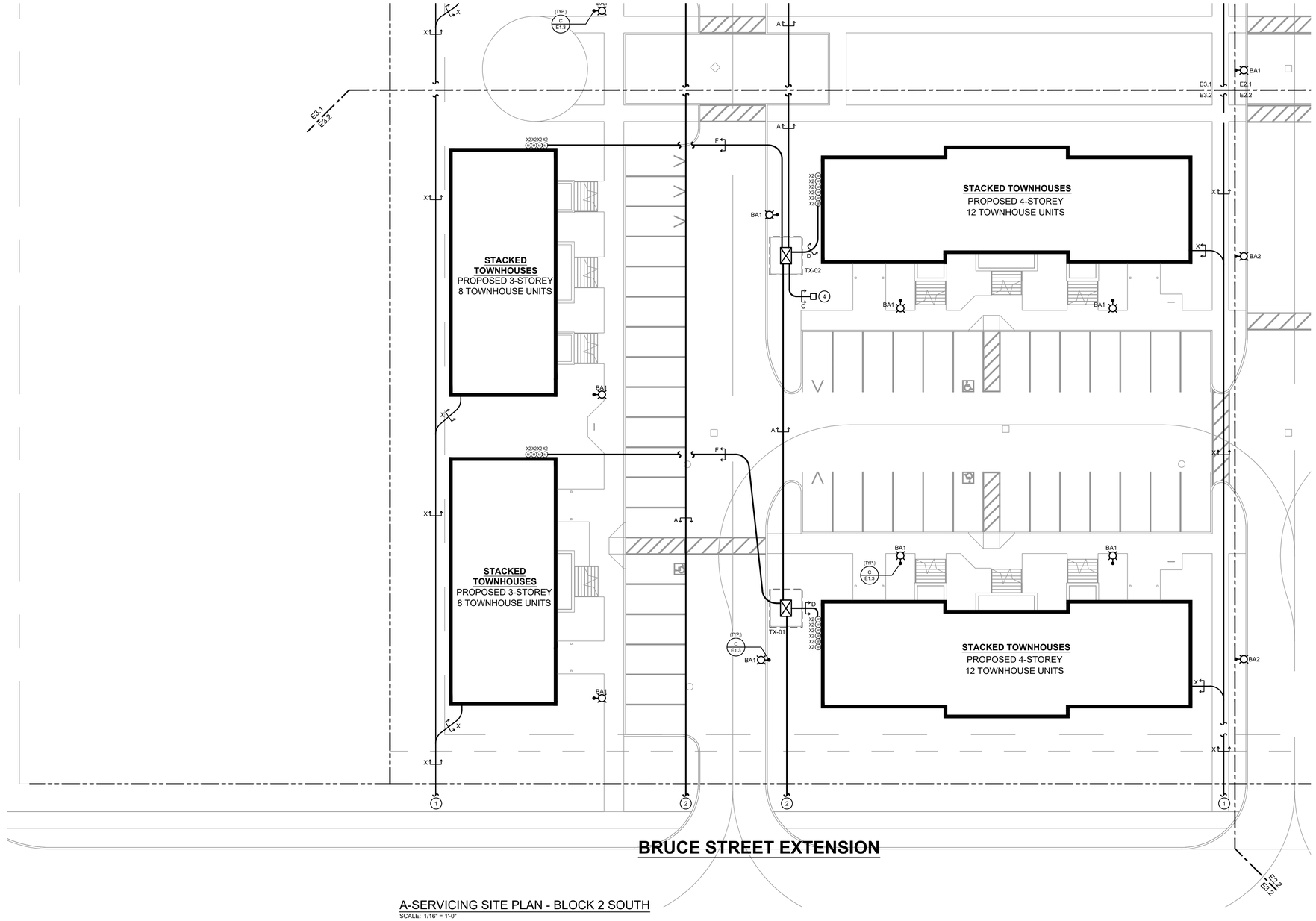
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job : 2295

sheet : E3.1

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A-SERVICING SITE PLAN - BLOCK 2 SOUTH
SCALE: 1/16" = 1'-0"

SITE NOTES

1 INDICATES COMMUNICATIONS DUCT BANK TERMINATED AT PROPERTY LINE FOR EXTENSION BY LOCAL COMMUNICATIONS UTILITY.

2 INDICATES PRIMARY DUCTBANK TO BE TERMINATED AT PROPERTY LINE FOR EXTENSION BY LOCAL UTILITY (ALECTRA).

3 PROVIDE PRIMARY PULLBOX TO SUIT LOCAL UTILITY STANDARDS.

4 INDICATES LIGHTING ELECTRICAL SERVICE PEDESTAL TO BE PROVIDED IN ACCORDANCE WITH DETAIL A/E1.3 AND B/E1.3.

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PROJECT NORTH

AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

SERVICING SITE PLAN - BLOCK 2 SOUTH

scale : AS NOTED

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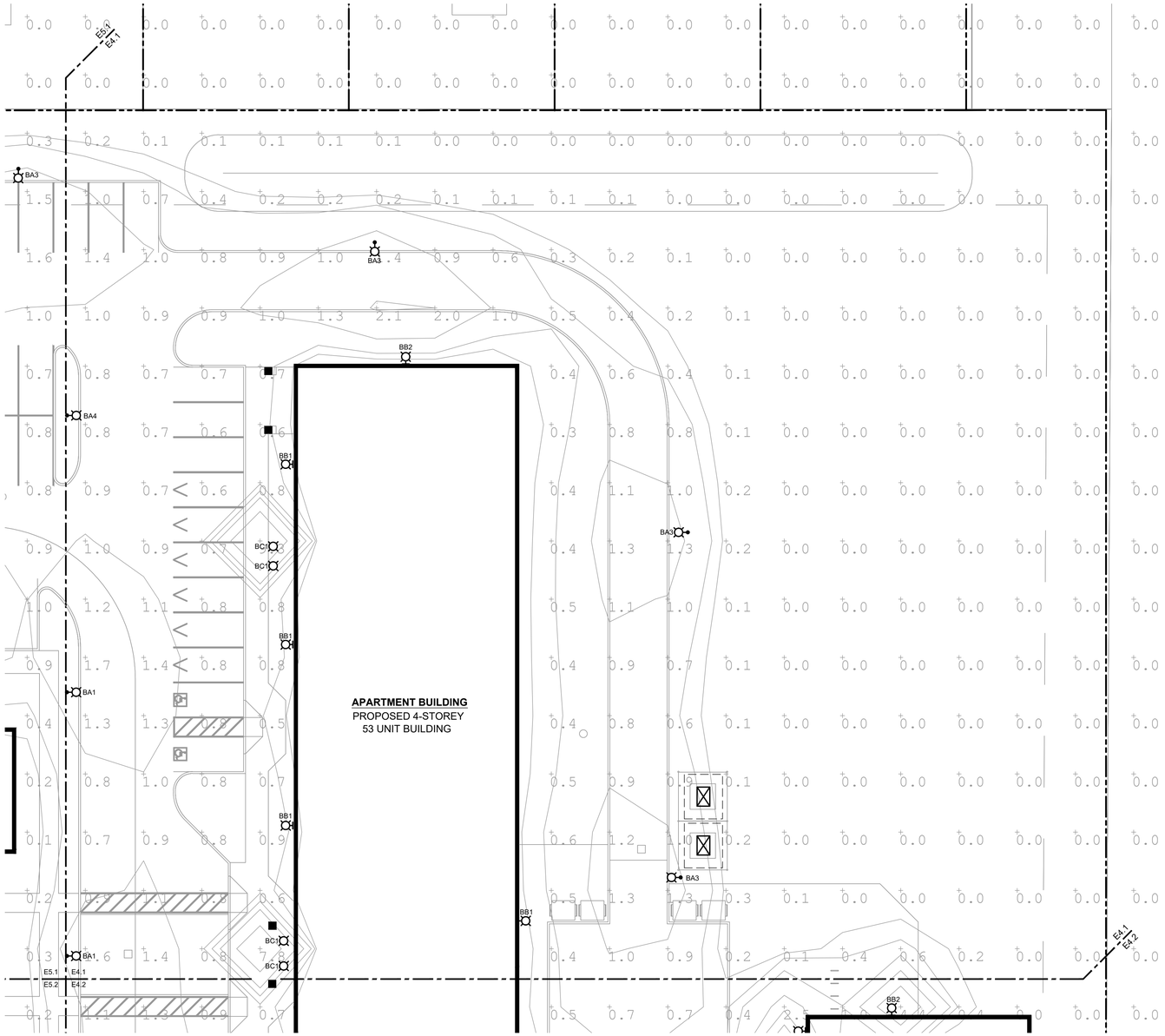
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date : AUGUST 2026

job : 2295

sheet : E3.2

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A-PHOTOMETRIC SITE PLAN - BLOCK 1 NORTH
SCALE: 1/16" = 1'-0"

NUMERIC SUMMARY							
LABEL	CALC TYPE	UNITS	AVG.	MAX.	MIN.	AVG./MIN	MAX./MIN.
(BLOCK 1) DRIVE AISLE	ILLUMINANCE	fc	1.09	1.9	0.5	2.18	3.80
(BLOCK 1) PARKING	ILLUMINANCE	fc	1.14	1.9	0.7	1.63	2.71

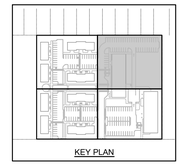
THIS DRAWING INDICATES ALL PROPOSED OUTDOOR LIGHTING FIXTURES FOR THIS BUILDING WITHIN THE LIMITS OF CONSTRUCTION.

THE PROPOSED LIGHTING DISTRIBUTION PATTERN WILL NOT CAUSE VEILING LUMINANCE (DISABILITY GLARE). THERE WILL BE NO SIGNIFICANT ENCROACHMENT OF LIGHT (0.5 FOOTCANDLES OR GREATER) OR OBJECTIONABLE GLARE UPON ANY ADJACENT PROPERTY AND VISIBILITY OF LIGHT SOURCES FROM ANY RESIDENTIAL SITE HAVE BEEN MINIMIZED WHERE POSSIBLE SO AS NOT TO CREATE A NUISANCE.

DESIGN PROFESSIONAL - JEREMY JACKSON, P. ENG

ALL LIGHTING DEVICES SHALL BE FULL CUT OFF AND NIGHT SKY FRIENDLY, AND SHALL BE MITIGATED AT THE SOURCE SO THAT NO LIGHT WILL BE DIRECTLY PROJECTED ONTO ADJACENT PROPERTIES.

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PROJECT NORTH

AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

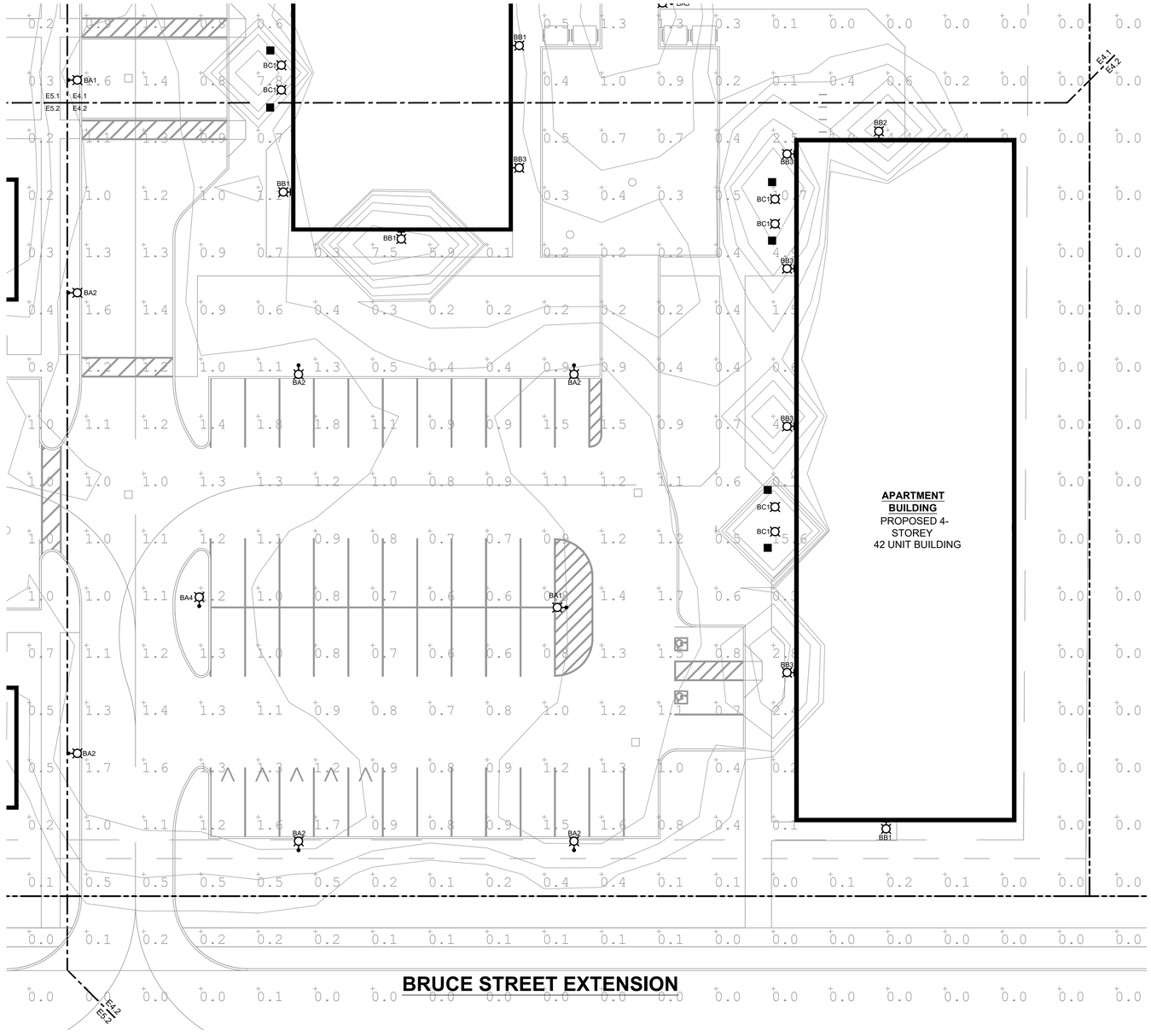
BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

PHOTOMETRIC SITE PLAN - BLOCK 1 NORTH

scale : AS NOTED
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drawn : ET
check : SD
date : AUGUST 2026
job : 2295
sheet : E4.1

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A-PHOTOMETRIC SITE PLAN - BLOCK 1 SOUTH
SCALE: 1/16" = 1'-0"

NUMERIC SUMMARY							
LABEL	CALC TYPE	UNITS	AVG.	MAX.	MIN.	AVG./MIN	MAX./MIN.
(BLOCK 2) DRIVE AISLE	ILLUMINANCE	fc	1.10	2.0	0.2	5.50	10.00
(BLOCK 2) PARKING	ILLUMINANCE	fc	1.13	1.8	0.6	1.88	3.00

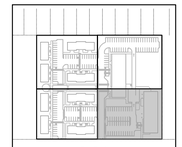
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DESIGN PROFESSIONAL - JEREMY JACKSON, P. ENG

ALL LIGHTING DEVICES SHALL BE FULL CUT OFF AND NIGHT SKY FRIENDLY, AND SHALL BE MITIGATED AT THE SOURCE SO THAT NO LIGHT WILL BE DIRECTLY PROJECTED ONTO ADJACENT PROPERTIES.

DEI
Consulting Engineers
MECHANICAL | ELECTRICAL | AQUATIC
55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 26122


KEY PLAN

Rev No.	DATE	REMARKS
1	14AUG2026	ISSUED FOR SITE PLAN APPROVAL

ISSUED FOR

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Do not scale this drawing.
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LICENSED PROFESSIONAL ENGINEER
J.J. JACKSON
100011324
8/14/26
PROVINCE OF ONTARIO

PROJECT NORTH

AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

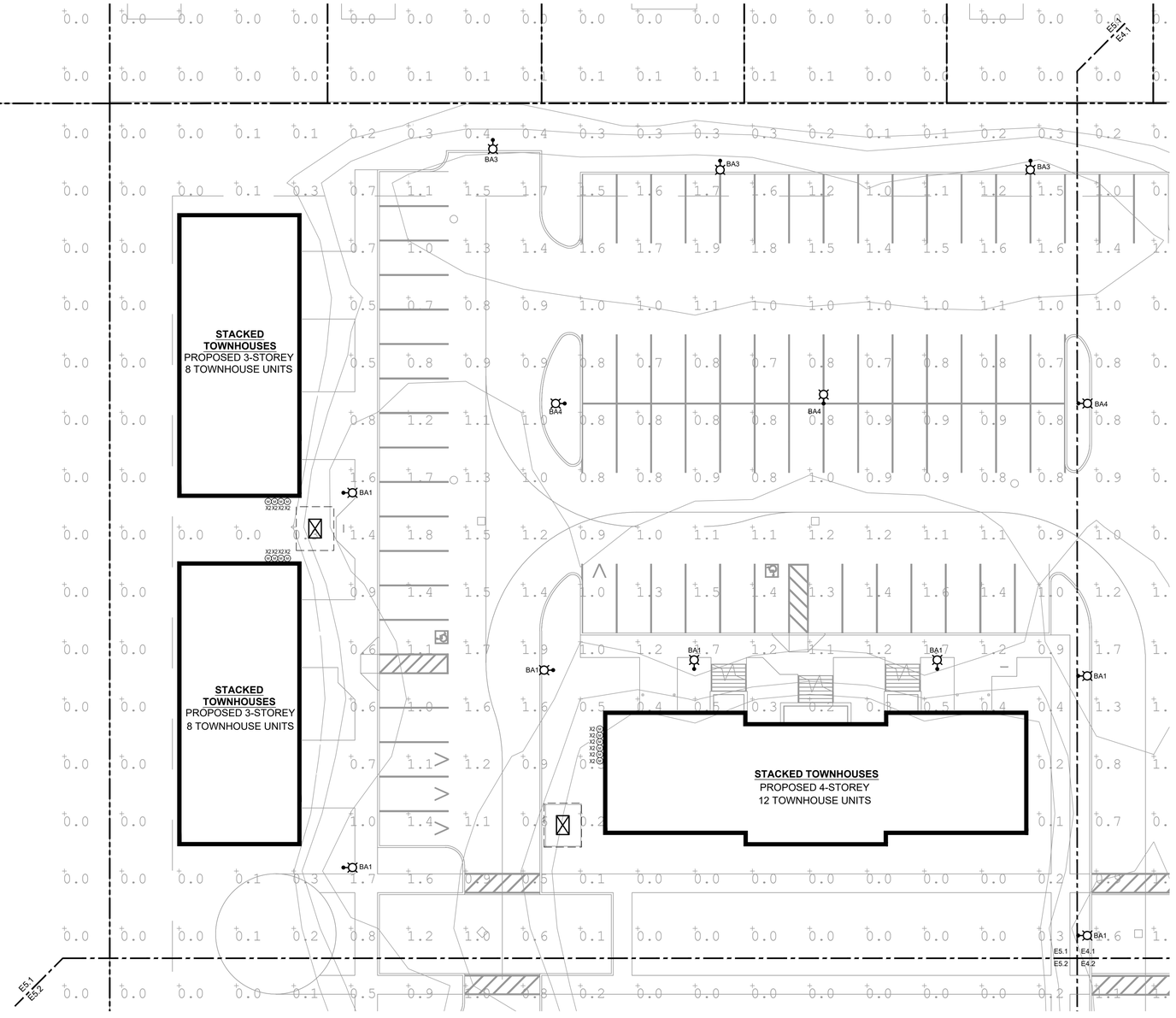
BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

PHOTOMETRIC SITE PLAN - BLOCK 1 SOUTH

scale : AS NOTED
0

drawn : ET
check : SD
date : AUGUST 2026
job : 2295
sheet : E4.2

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A-PHOTOMETRIC SITE PLAN - BLOCK 2 NORTH
SCALE: 1/16" = 1'-0"

NUMERIC SUMMARY							
LABEL	CALC TYPE	UNITS	AVG.	MAX.	MIN.	AVG./MIN	MAX./MIN.
(BLOCK 1) DRIVE AISLE	ILLUMINANCE	fc	1.09	1.9	0.5	2.18	3.80
(BLOCK 1) PARKING	ILLUMINANCE	fc	1.14	1.9	0.7	1.63	2.71

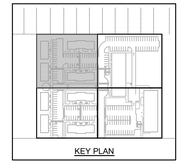
THIS DRAWING INDICATES ALL PROPOSED OUTDOOR LIGHTING FIXTURES FOR THIS BUILDING WITHIN THE LIMITS OF CONSTRUCTION.

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DESIGN PROFESSIONAL - JEREMY JACKSON, P. ENG

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PROFESSIONAL ENGINEER
LICENCE
J.J. JACKSON
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8/14/26
PROVINCE OF ONTARIO

PROJECT NORTH

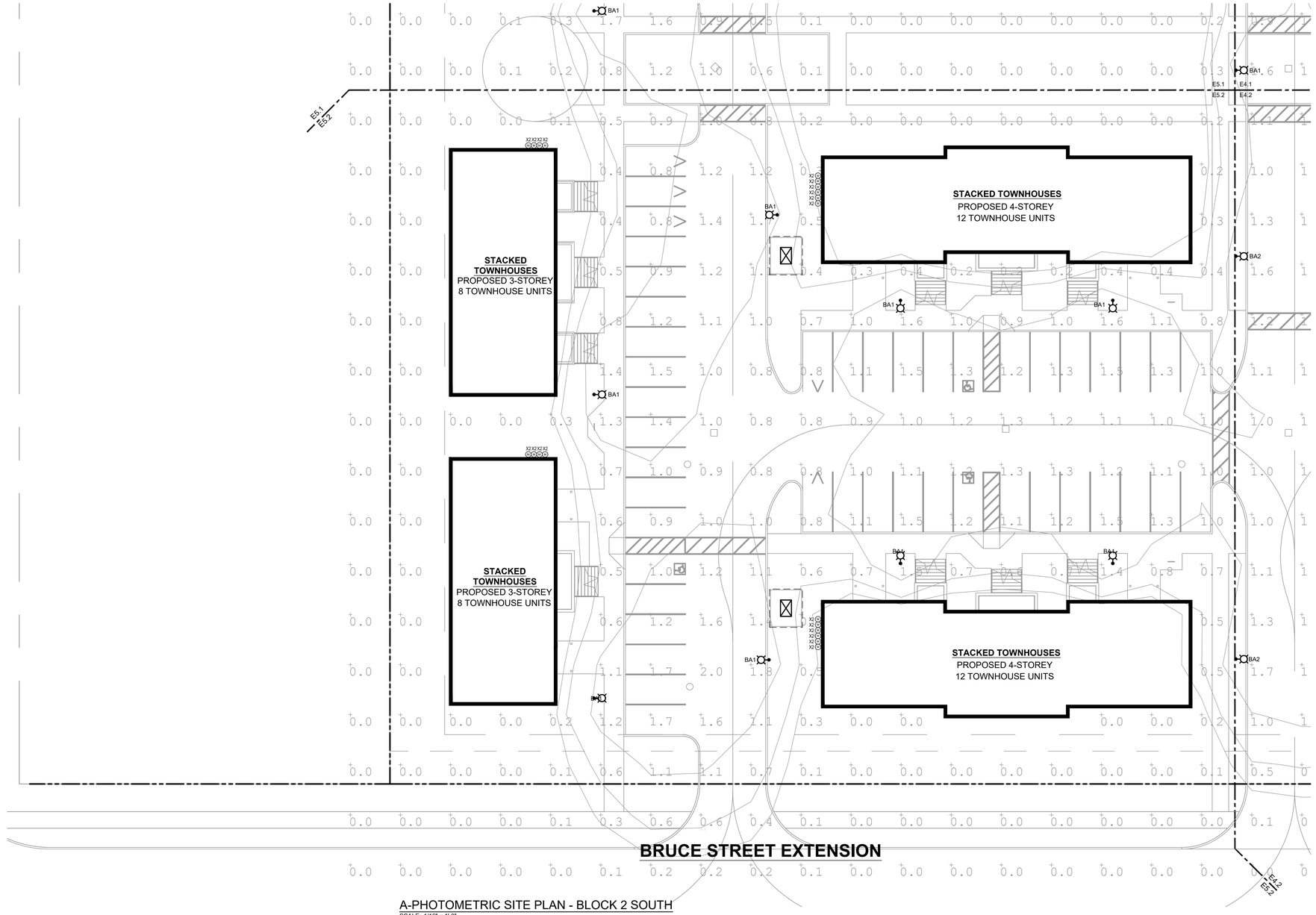
AFFORDABLE HOUSING & MUNICIPAL PARK DEVELOPMENT AT BLUEWATER LANDS

BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1
PHOTOMETRIC SITE PLAN - BLOCK 2 NORTH

scale : AS NOTED
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drawn : ET
check : SD
date : AUGUST 2026
job : 2295
sheet : E5.1

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A-PHOTOMETRIC SITE PLAN - BLOCK 2 SOUTH
SCALE: 1/16" = 1'-0"

NUMERIC SUMMARY							
LABEL	CALC TYPE	UNITS	AVG.	MAX.	MIN.	AVG./MIN	MAX./MIN.
(BLOCK 2) DRIVE AISLE	ILLUMINANCE	fc	1.10	2.0	0.2	5.50	10.00
(BLOCK 2) PARKING	ILLUMINANCE	fc	1.13	1.8	0.6	1.88	3.00

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PROJECT NORTH

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BRUCE STREET, PORT ELGIN
SITE PLAN - OPTION #1

PHOTOMETRIC SITE PLAN - BLOCK 2 SOUTH

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