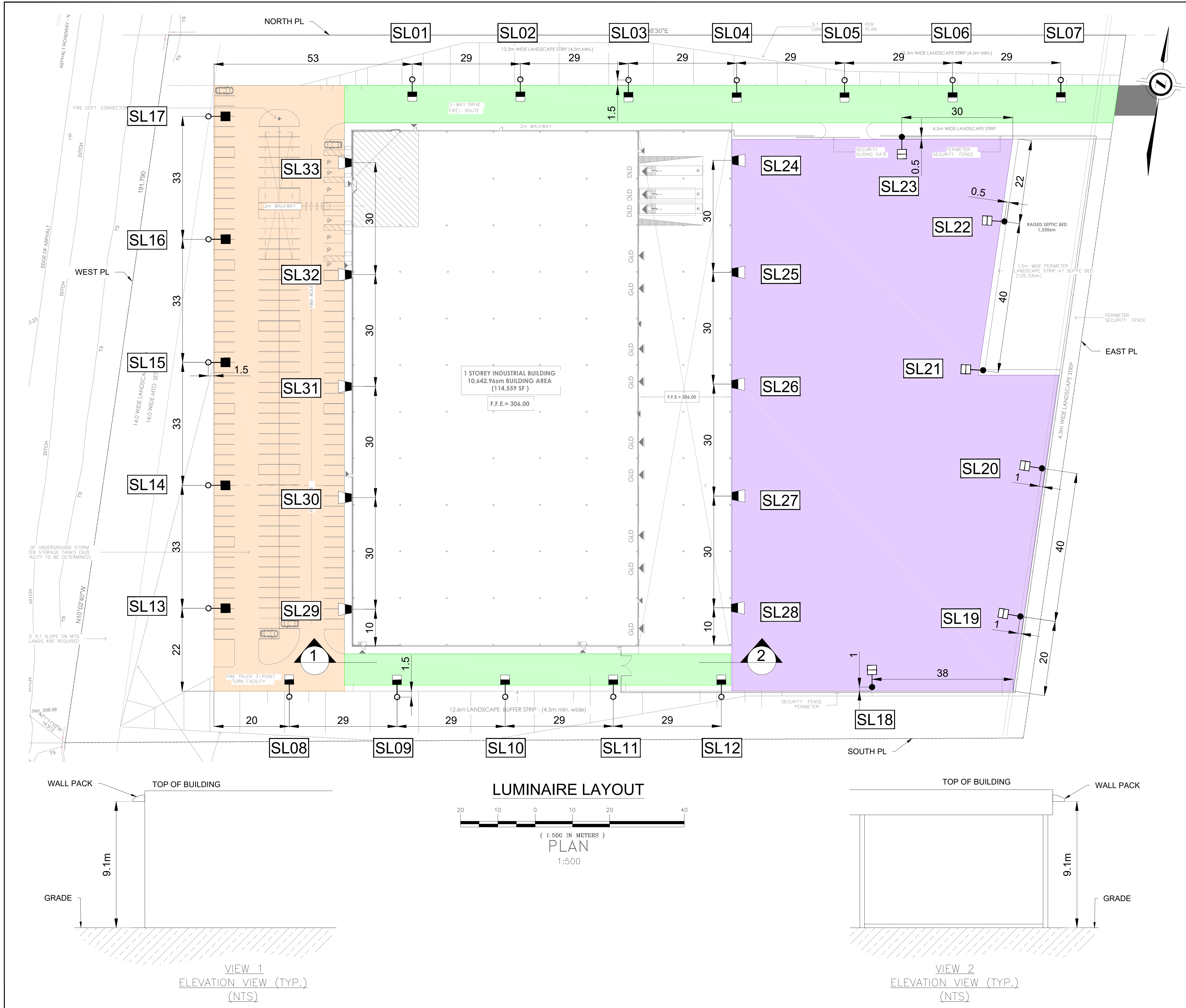
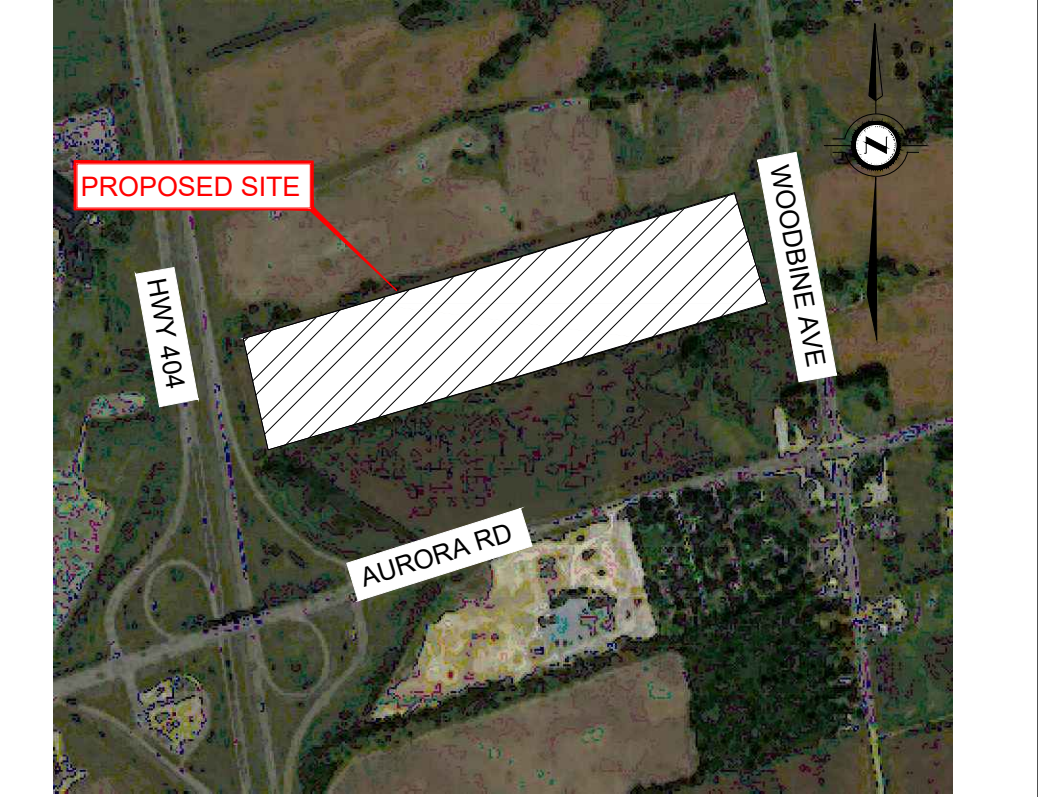




- LEGEND:**
- -PROPOSED POLE (4.87m / 16ft)
 - -PROPOSED POLE (9.1m / 30ft)
 - EACL01_A4AF740 w/ PHOTOCELL & HSS (EVOLVE EACL AREA LIGHT)
 - EACL01_C4AF740 w/ PHOTOCELL & HSS (EVOLVE EACL AREA LIGHT)
 - EALS03_H4AH740 w/ PHOTOCELL & HSS (EVOLVE EALS OUTDOOR AREA LIGHT)
 - EWAS01_F4AF740 w/ PHOTOCELL (EVOLVE EWAS LED WALL PACK)
- -PRIVATE DRIVEWAY
- -PRIVATE PARKING
- -PRIVATE YARD
1. THE ENTIRE STREETLIGHT INSTALLATION SHALL BE INSPECTED AND APPROVED BY AN E.S.A. INSPECTOR.
 2. ALL METAL ENCLOSURES AND METAL PARTS THAT ARE NOT INTENDED TO BE ENERGIZED SHALL BE EFFECTIVELY GROUNDED, IN ACCORDANCE WITH O.E.S.C. REQUIREMENTS.
 3. STREETLIGHT POLES SHALL MAINTAIN A MINIMUM OF 1.0m CLEARANCE FROM ANY ABOVE GROUND EQUIPMENT TO THE FACE OF THE POLE ON HAND HOLE SIDE ONLY.
 4. ALL LIGHT FIXTURES ARE DARK SKY COMPLIANT AND TO BE FITTED WITH PHOTOCELL AND BACKSIDE SHIELD UNLESS OTHERWISE STATED.
 5. ALL POLES ARE TO BE MOUNTED ON A CONCRETE BASE MOUNT.

THIS DRAWING INDICATES ALL PROPOSED OUTDOOR LIGHTING FIXTURES FOR THIS PROPOSED DEVELOPMENT. THE LIGHTING DESIGN IS IN ACCORDANCE WITH THE APPLICABLE LIGHTING ZONE AS ESTABLISHED BY THE CITY DEVELOPMENT DEPARTMENT, AND DESIGNED IN ACCORDANCE WITH THE IESNA DOCUMENT RP-8-18 AND TAC (RP-20-98) GUIDELINES. THE LIGHTING DESIGN WILL NOT CREATE ANY OBJECTIONABLE GLARE FOR ADJACENT PROPERTIES.

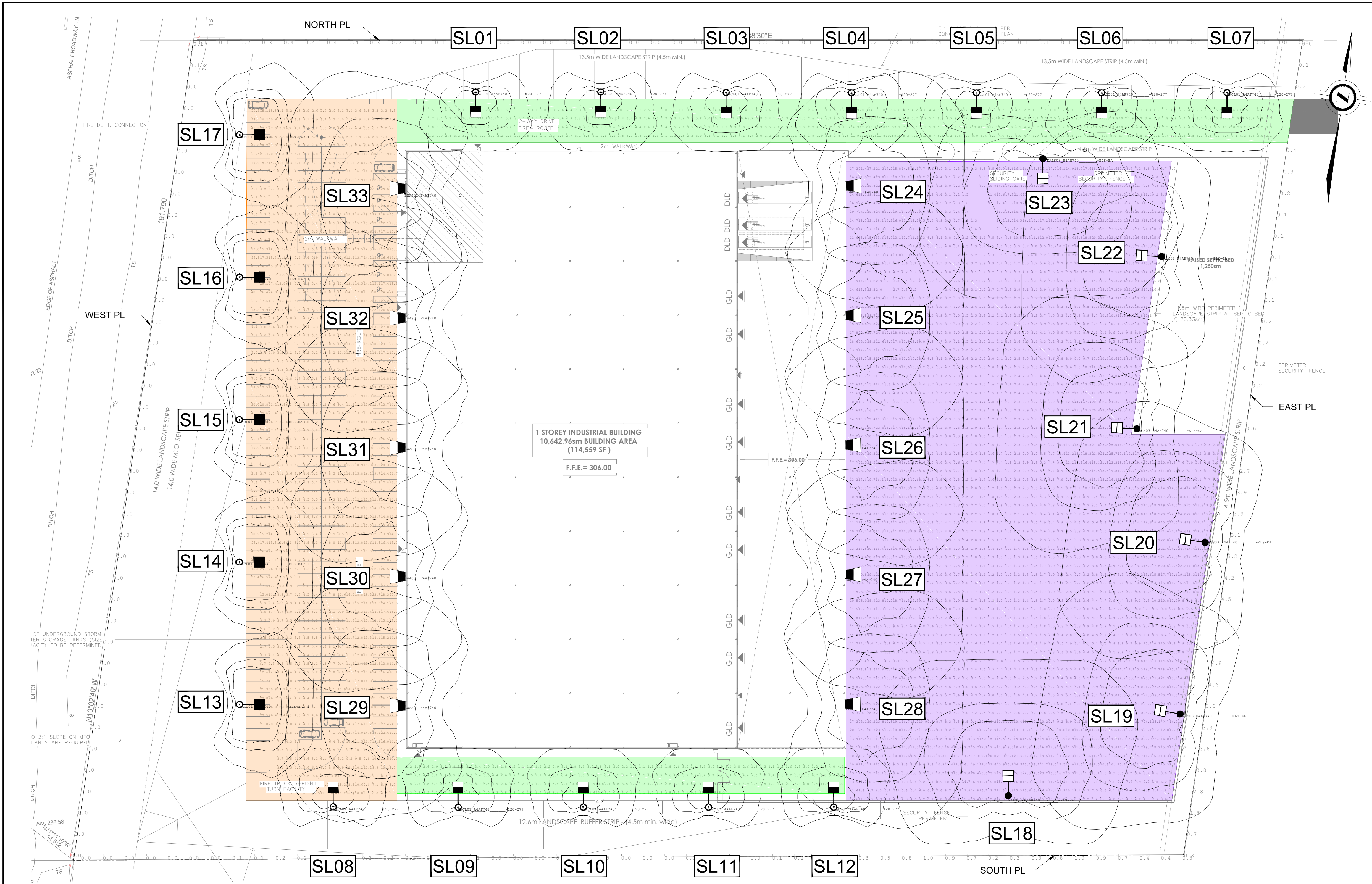


KEY PLAN (NTS)			
NO.	DATE	REVISIONS	BY
1	2023-05-01	ISSUED FOR APPROVAL (IFR1)	IB

LUMINAIRE LAYOUT

15450 WOODBINE AVE.S.
WHITCHURCH-STOUFFVILLE, ONTARIO

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	SIZE	PLAN
IB	IB	VE	2023-05-01	1:500	A1	1 of 5



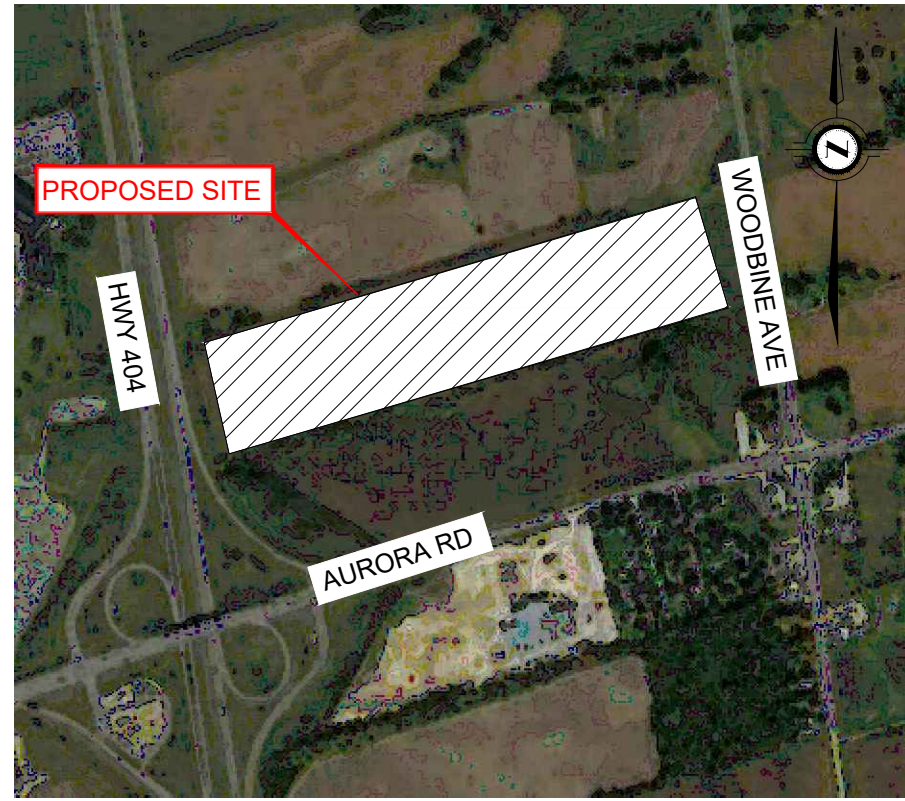
LEGEND:

- PROPOSED POLE (4.87m / 16ft)
- PROPOSED POLE (9.1m / 30ft)
- EACL01_A4AF740 w/ PHOTOCELL & HSS (EVOLVE EA CL AREA LIGHT)
- EACL01_C4AF740 W/ PHOTOCELL & HSS (EVOLVE EA CL AREA LIGHT)
- EALS03_H4AH740 w/ PHOTOCELL & HSS (EVOLVE EALS OUTDOOR AREA LIGHT)
- EWAS01_F4AF740 w/ PHOTOCELL (EVOLVE EWAS LED WALL PACK)

- PRIVATE DRIVEWAY
- PRIVATE PARKING
- PRIVATE YARD

- THE ENTIRE STREETLIGHT INSTALLATION SHALL BE INSPECTED AND APPROVED BY AN E.S.A. INSPECTOR.
- ALL METAL ENCLOSURES AND METAL PARTS THAT ARE NOT INTENDED TO BE ENERGIZED SHALL BE EFFECTIVELY GROUNDED, IN ACCORDANCE WITH O.E.S.C. REQUIREMENTS.
- STREETLIGHT POLES SHALL MAINTAIN A MINIMUM OF 1.0m CLEARANCE FROM ANY ABOVE GROUND EQUIPMENT TO THE FACE OF THE POLE ON HAND HOLE SIDE ONLY.
- ALL LIGHT FIXTURES ARE DARK SKY COMPLIANT AND TO BE FITTED WITH PHOTOCELL AND BACKSIDE SHIELD UNLESS OTHERWISE STATED.
- ALL POLES ARE TO BE MOUNTED ON A CONCRETE BASE MOUNT.

THIS DRAWING INDICATES ALL PROPOSED OUTDOOR LIGHTING FIXTURES FOR THIS PROPOSED DEVELOPMENT. THE LIGHTING DESIGN IS IN ACCORDANCE WITH THE APPLICABLE LIGHTING ZONE AS ESTABLISHED BY THE CITY DEVELOPMENT DEPARTMENT, AND DESIGNED IN ACCORDANCE WITH THE IESNA DOCUMENT RP-8-18 AND TAC (RP-20-98) GUIDELINES. THE LIGHTING DESIGN WILL NOT CREATE ANY OBJECTIONABLE GLARE FOR ADJACENT PROPERTIES.



KEY PLAN (NTS)

NO.	DATE	REVISIONS	BY
1	2023-05-01	ISSUED FOR APPROVAL (IFR1)	IB



PHOTOMETRIC LAYOUT

15450 WOODBINE AVE.S.
WHITCHURCH-STOUFFVILLE, ONTARIO

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	SIZE	PLAN
IB	IB	VE	2023-05-01	1:500	A1	2 of 5

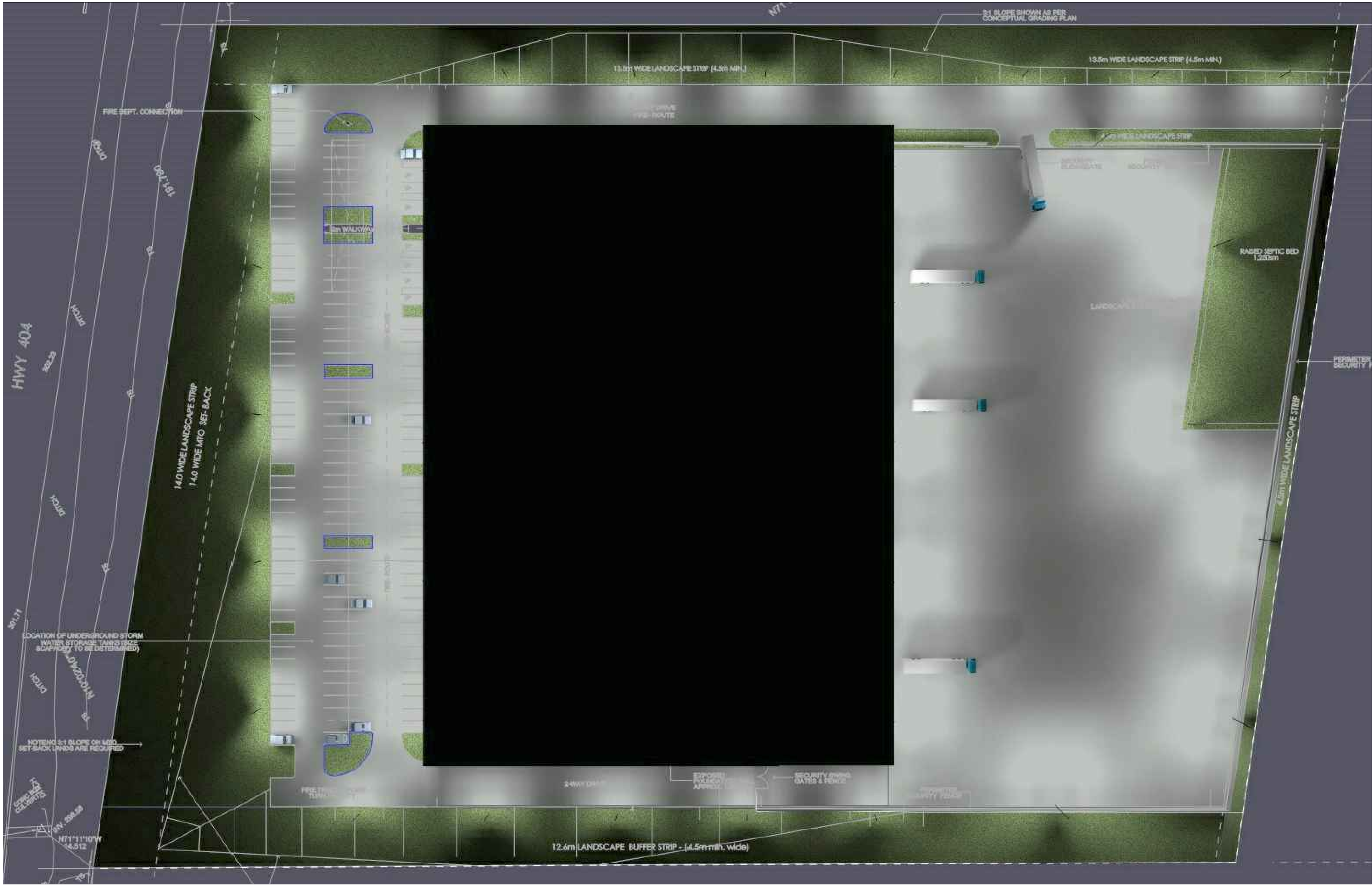
CALCULATION SUMMARY						DESIGN CRITERIA	
Label	Class/Ped Conflict	Calc Type	Units	Avg	Avg/Min	Avg	Avg/Min
PRIVATE DRIVEWAY NORTH	LOCAL/LOW	ILLUM.	Lux	6.56	6.56	**4.5	6
PRIVATE DRIVEWAY SOUTH	LOCAL/LOW	ILLUM.	Lux	5.15	5.15		

Label	Calc Type	Units	Avg	Avg/Min
PRIVATE PARKING	ILLUM.	Lux	11.18	6.21
PRIVATE YARD	ILLUM.	Lux	10.50	8.75

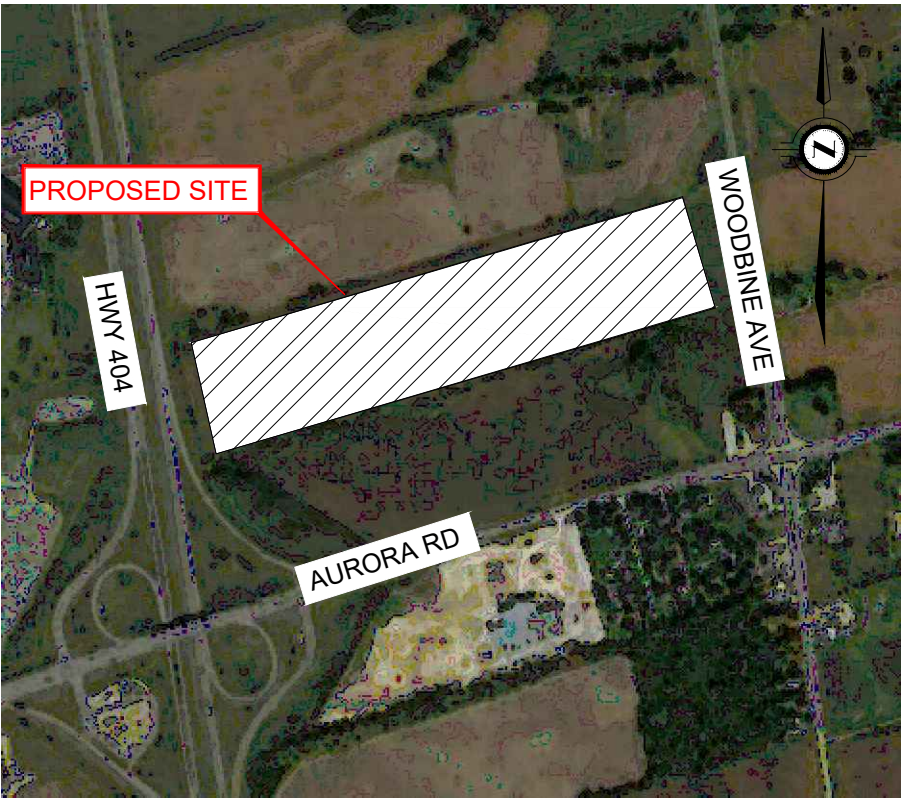
Label	Calc Type	Units	Avg
NORTH P/L	ILLUM.	Lux	0.12
SOUTH P/L	ILLUM.	Lux	0.22
WEST P/L	ILLUM.	Lux	0.01
EAST P/L	ILLUM.	Lux	1.65

** MIN. AVG. ILLUMINANCE IS CALCULATED BASED ON IES RP-8-18 RECOMMENDED EQUIVALENT LUMINANCE LEVEL WITH A RATIO OF 1cd/m² ≈ 15 LUX FOR AN R3 PAVEMENT.

LUMINAIRE SCHEDULE						
Symbol	Qty		Description	Arrangement	LLF	Mounting height
	12	SL01-SL12	EACL01_A4AF740 w/ PHOTOCELL & HSS (EVOLVE EA CL AREA LIGHT)	SINGLE	.85	16' (4.87m)
	5	SL13-SL17	EACL01_C4AF740 W/ PHOTOCELL & HSS (EVOLVE EA CL AREA LIGHT)	SINGLE	.85	16' (4.87m)
	6	SL18-SL23	EALS03_H4AH740 w/ PHOTOCELL & HSS (EVOLVE EALS OUTDOOR AREA LIGHT)	SINGLE	.85	30' (9.1m)
	10	SL24-SL33	EWAS01_F4AF740 w/ PHOTOCELL (EVOLVE EWAS LED WALL PACK)	SINGLE	.85	30' (9.1m)



PHOTOMETRIC RENDER (TOP VIEW)



KEY PLAN
(NTS)

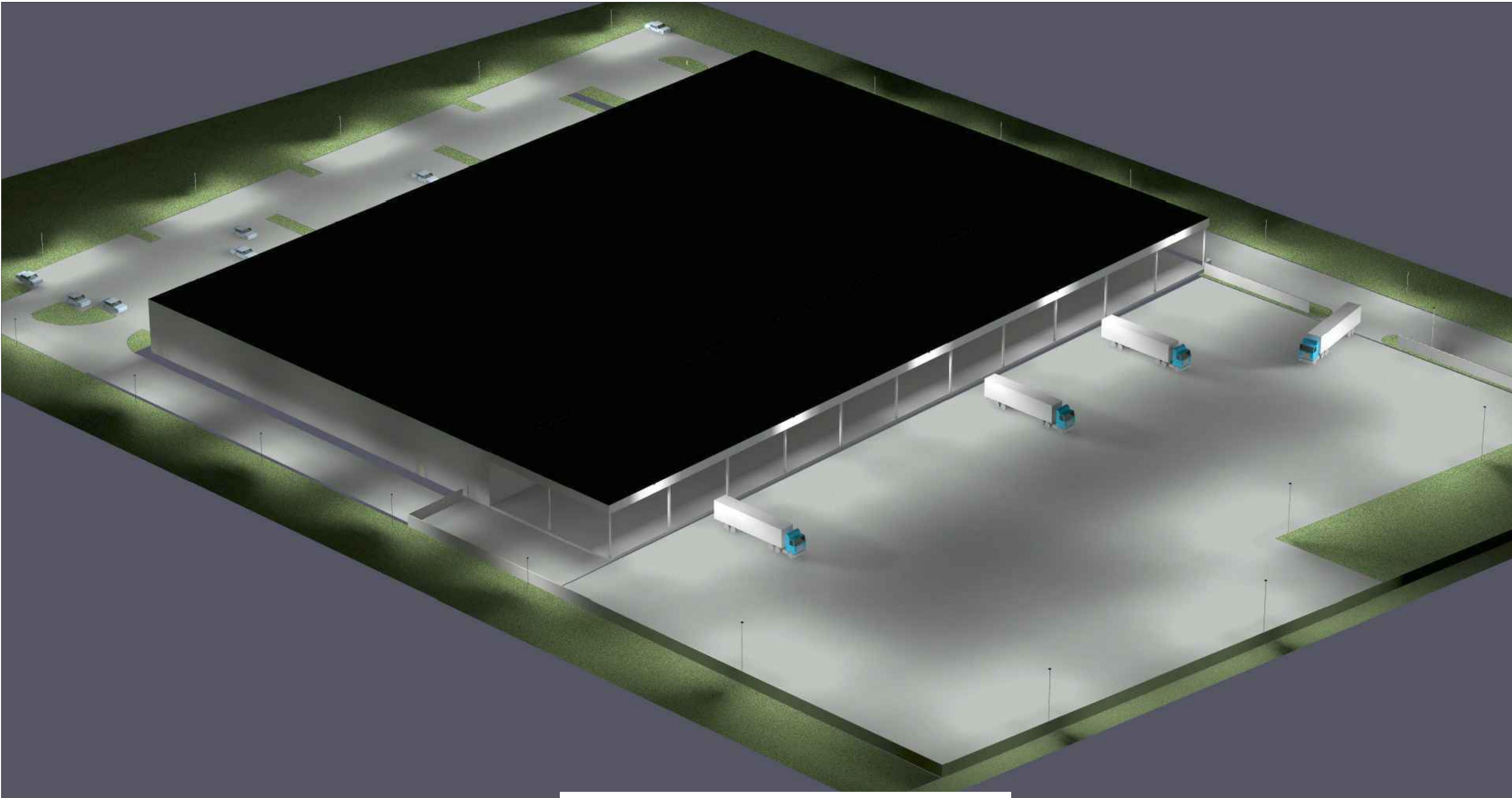
NO.	DATE	REVISIONS	BY
1	2023-05-01	ISSUED FOR APPROVAL (IFR1)	IB



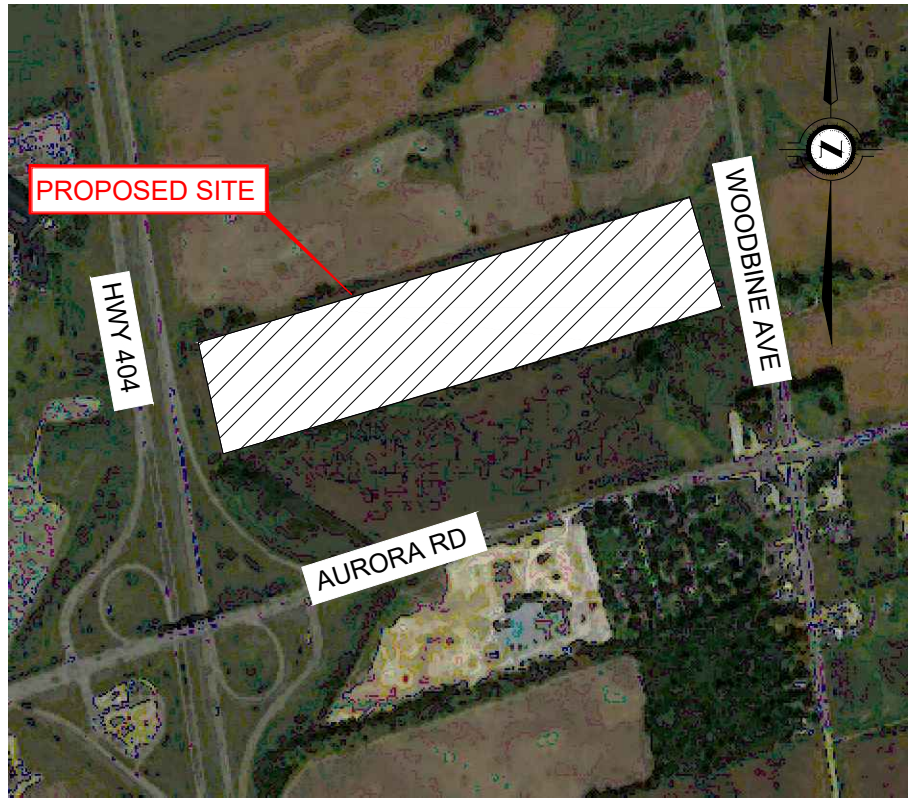
PHOTOMETRIC RENDER

15450 WOODBINE AVE.S.
WHITCHURCH-STOUFFVILLE, ONTARIO

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	SIZE	PLAN
IB	IB	VE	2023-05-01	1:500	A1	3 of 5



PHOTOMETRIC RENDER (ISOMETRIC)



KEY PLAN
(NTS)

NO.	DATE	REVISIONS	BY
1	2023-05-01	ISSUED FOR APPROVAL (IFR1)	IB



PHOTOMETRIC RENDER

15450 WOODBINE AVE.S.
WHITCHURCH-STOUFFVILLE, ONTARIO

DRAWN BY	DESIGNED BY	CHECKED BY	DATE	SCALE	SIZE	PLAN
IB	IB	VE	2023-05-01	1:500	A1	4 of 5

Evolve® LED Area Light Compact Low Wattage (EACL) Catalog Logic

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EACL ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

Evolve® LED Area Light Compact Low Wattage (EACL) Catalog Logic

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EACL ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EALS Series LED Outdoor Area Light

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EALS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EALS Series LED Outdoor Area Light

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EALS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EWAS A Series LED Wall Pack

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EWAS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EWAS A Series LED Wall Pack

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EWAS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EACL® Series LED Area Light/Compact Low Wattage

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EACL ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EALS Series LED Outdoor Area Light

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EALS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EWAS A Series LED Wall Pack

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EWAS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EALS Series LED Outdoor Area Light

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EALS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EACL® Series LED Area Light/Compact Low Wattage

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EACL ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EALS Series LED Outdoor Area Light

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EALS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EWAS A Series LED Wall Pack

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EWAS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EALS Series LED Outdoor Area Light

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EALS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EWAS A Series LED Wall Pack

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EWAS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EACL® Series LED Area Light/Compact Low Wattage

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EACL ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EALS Series LED Outdoor Area Light

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EALS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EWAS A Series LED Wall Pack

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EWAS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EALS Series LED Outdoor Area Light

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EALS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

EVOLVE EWAS A Series LED Wall Pack

Project Name: _____ Date: _____ Type: _____

Spec Tables

For additional information on EWAS ES files, please click one of the following links:

Non-Standard Standard

Current® a Deltree company

KEY PLAN (NTS)

15450 WOODBINE AVE. S. WHITCHURCH-STOUFFVILLE, ONTARIO

DETAIL SHEET

15450 WOODBINE AVE. S. WHITCHURCH-STOUFFVILLE, ONTARIO

DRAWN BY: IB DESIGNED BY: IB CHECKED BY: VE DATE: 2023-05-01 SCALE: 1:500 SIZE: A1 PLAN: 5 of 5