

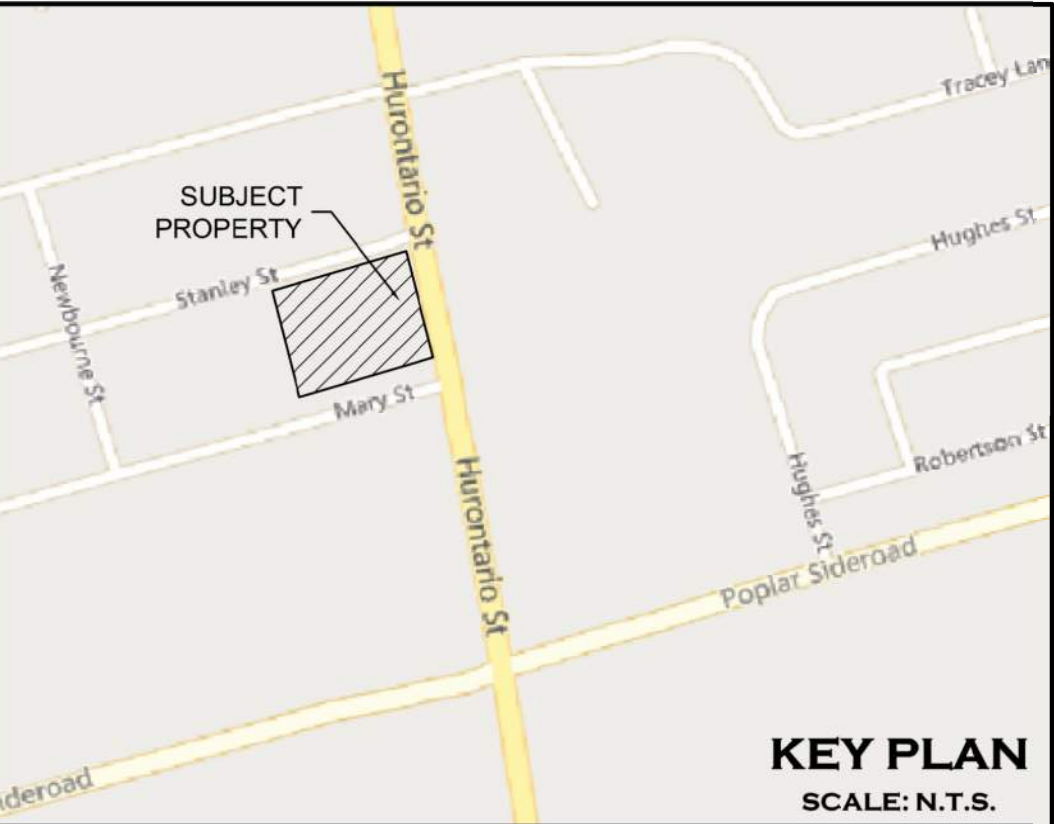


ELECTRICAL DRAWING LIST	
E100	SITE PLAN – PHOTOMETRIC
E101	SITE LIGHTING DETAILS SHEET 1 OF 2
E102	SITE LIGHTING DETAILS SHEET 2 OF 2
E800	ELECTRICAL REMOVALS

LIGHTING	
	POLE MOUNTED LIGHT FIXTURE (X = FIXTURE TYPE)
	WALL PACK LIGHT FIXTURE (X = FIXTURE TYPE)
	ROUND RECESSED MOUNTED DOWNLIGHT FIXTURE (X = FIXTURE TYPE)
	EXISTING POLE MOUNTED LIGHT FIXTURE C/W MAST ARM (X = FIXTURE TYPE)
	EXISTING WALL MOUNT LIGHT FIXTURE (X = FIXTURE TYPE)
LINETYPES	
	PROPERTY LINE
ABBREVIATIONS	
AFG	ABOVE FINISHED GRADE
C/W	COMPLETE WITH
MH	MOUNTING HEIGHT
N.T.S.	NOT TO SCALE
REM	EXISTING TO BE REMOVED
TYP.	TYPICAL

- DRAWING NOTE:
- ① MAINTAIN HORIZONTAL CLEARANCE FROM ELECTRICAL OVERHEAD SERVICE TO BUILDING AND LIGHT POLE AS SHOWN.

STATISTICS SCHEDULE					
DESCRIPTION	SYMBOL	AVG	MAX	MIN	AVG/MIN
ENTRANCE CANOPY	×	100.7 lux	145.2 lux	50.6 lux	2.0:1
ENTRANCE WALKWAY	*	5.5 lux	8.5 lux	4.5 lux	1.2:1
PARKING LOT	+	14.6 lux	64.5 lux	3.2 lux	4.6:1
REAR WALKWAY	*	22.5 lux	45.4 lux	11.0 lux	2.0:1
WALKWAY TO MULTI-USE PATH	×	7.6 lux	12.5 lux	4.4 lux	1.8:1



TEMPORARY BENCHMARKS	
TBM#1—NAIL IN HYDRO POLE ON HURONTARIO ST. ELEV=194.799	
TOPOGRAPHIC SURVEY COMPLETED BY SMC GEOMATICS INC. ON MARCH 19, 2024. VERTICAL AND HORIZONTAL CONTROL ESTABLISHED USING LEICA SMARTNET RTK.	

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No.	ISSUE	DATE: YYYY/MM/DD
0	ISSUED FOR 1ST SUBMISSION SPA	2025/06/27

Engineer

Engineer

Project

GEORGIAN BOWL ADDITION
TOWN OF COLLINGWOOD

Drawing

SITE PLAN – PHOTOMETRIC

Drawn By

S.M.

Design By

S.M.

Project

2841-7365

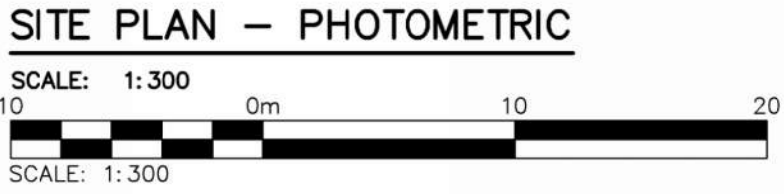
Check By

Check By

P.W.

Drawing

E100



TYPE: A1/A2/A3/A4

Project

Catalog #

Type

Prepared by

Notes

Date

Streetworks

GLAN Galleon II

Area / Site Luminaire

Product Features

Product Certifications

Quick Facts

Dimensional Details

Interactive Menu

Connected Systems

COOPER

Lighting Solutions

PS50077EN page 1

November 21, 2024 4:54 PM

TYPE: W1

Project

Catalog #

Type

Prepared by

Notes

Date

McGraw-Edison

GWC Galleon Wall

Wall Mount Luminaire

Product Features

Product Certifications

Quick Facts

Dimensional Details

Interactive Menu

Connected Systems

COOPER

Lighting Solutions

PS50046EN page 1

May 22, 2024 3:22 PM

TYPE: W1

FADC Position	Lumen Multiplier
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Note: +/-5% typical value

TYPE: A1/A2/A3/A4

Streetworks

GLAN Galleon II

Ordering Information

Product Family

Light Engine Configuration

Options (Add as Suffix)

Controls and System Options (Add as Suffix)

Accessories (Order Separately)

COOPER

Lighting Solutions

PS50077EN page 2

November 21, 2024 4:54 PM

TYPE: W1

McGraw-Edison

GWC Galleon Wall

Ordering Information

Product Family

Light Engine Configuration

Options (Add as Suffix)

Controls and System Options (Add as Suffix)

Accessories (Order Separately)

COOPER

Lighting Solutions

PS50046EN page 2

May 22, 2024 3:22 PM

KEY PLAN
SCALE: N.T.S.

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No.	ISSUE	DATE: YYYY/MM/DD
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Engineer

P.B. WOZNAK

100147225

2841-7365

2024/06/27

LICENSED PROFESSIONAL ENGINEER

PROVINCE OF ONTARIO

Engineer

Project

GEORGIAN BOWL ADDITION
TOWN OF COLLINGWOOD

Drawing

SITE LIGHTING DETAILS SHEET 1 OF 2

CROZIER

CONSULTING ENGINEERS

Drawn By S.M. Design By S.M. Project 2841-7365

Check By Check By P.W. Drawing E101

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO PROVIDE PHOTOCELLS AS REQUIRED. COORDINATE EXACT LOCATION & REQUIREMENTS WITH LIGHT MANUFACTURER.
2. ALL PROPOSED LUMINAIRES ARE DARK SKY COMPLIANT WITH UP LIGHT = ZERO.
3. LIGHT POLES ARE EQUIPPED WITH BUILT-IN PHOTOCELL.
4. WALL PACKS HAVE FADC BUILT-IN DIMMING CONTROLLER. BUILDING ENGINEER DRAWINGS ARE RESPONSIBLE FOR WALLPACK AND CANOPY LIGHTING CONTROL.



Top Product Features

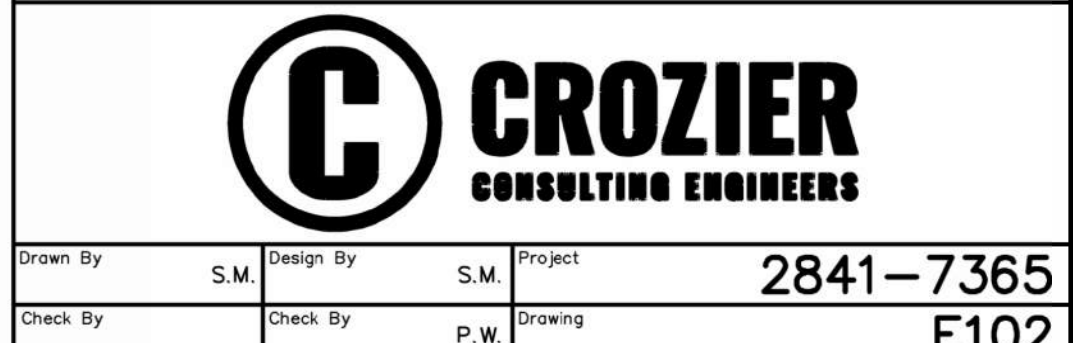
- Die-cast or anodized aluminum reflectors
- Easy disconnect for LED engine replacement and installation
- Standard 0-170V driver dimmers to 1%; Optional snap in driver for ease of replacement
- 98 CRI; 2700K, 3000K, 3500K, 4000K, 5000K; D2W™ option from 3000K to 1850K
- W2N tunable white CCT range 2700K to 6500K or 2000K to 5000K
- Options to meet Buy American and other domestic preference requirements

 DOWNLIGHT



Engineer 	Engineer
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Project	GEORGIAN BOWL ADDITION TOWN OF COLLINGWOOD
Drawing	SITE LIGHTING DETAILS SHEET 2 OF 2





REMOVALS GENERAL NOTES:

- ELECTRICAL CONTRACTOR SHOULD CONTACT UTILITY PROVIDERS TO OBTAIN THE LOCATES OF EXISTING UTILITIES PRIOR TO DIGGING.
- THIS CONTRACTOR MUST FIELD VERIFY EXTENT OF REMOVAL WORK PRIOR TO BID. ALL CIRCUITS BEYOND REMOVAL AREA TO BE MAINTAINED. FIELD VERIFY ALL EXISTING CIRCUITS. ALLOW FOR ANY REPAIR MODIFICATIONS, EXTENSIONS ETC. THAT MAY BE REQUIRED DUE TO DAMAGE IN EXISTING CIRCUITS DURING RENOVATION WORK. DISPOSE OFF ALL REMOVED ITEMS AS DIRECTED BY OWNER.
- REMOVAL WORK AND RETENTION OF EXISTING SERVICES. THIS DRAWING IS ISSUED TO SHOW SCOPE OF WORK ONLY. ELECTRICAL CONTRACTOR MUST PERFORM A SITE INSPECTION DURING THE TENDER PERIOD AND ENSURE THAT ALL WORK THAT IS VISIBLE IS INCLUDED IN THE BID PACK. ALL EXISTING SERVICES THAT PASS THROUGH THE RENOVATION AREA (UNLESS OBSOLETE) ARE TO BE MAINTAINED AND/OR RELOCATED TO SUIT THE SCOPE OF THE WORK.
- ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE AND/OR RELOCATE EXISTING CONDUIT, DUCTS AND/OR EQUIPMENT WHERE REQUIRED OR NOTED ON THE DRAWINGS AND CAP AND CONCEAL ALL OBSOLETE CONDUIT AND DUCTS AS REQUIRED BY THE ENGINEER OR BY CODE FOR A NEAT AND COMPETE INSTALLATION.
- BEFORE REUSING EXISTING CONDUITS, DUCTS, AND/OR EQUIPMENT AS INDICATED ON THE DRAWINGS, THEY MUST BE INSPECTED AND VERIFIED TO ENSURE THEY ARE IN GOOD CONDITION FOR USE.
- INSPECT SIZE AND PROVIDE NECESSARY JUNCTION BOXES IN RENOVATED AREA. ENSURE THAT CONTINUITY OF CIRCUIT IS RETAINED.
- THE OWNERS WILL DECIDE WHICH ITEMS OR EQUIPMENTS THEY WISH TO RETAIN AS THEIR PROPERTY AND ALL OTHER MATERIALS SHALL BE REMOVED FROM THE PREMISES BY THIS CONTRACTOR.
- ELECTRICAL CONTRACTOR TO REWORK ALL WIRING, CONDUIT OR ARRANGE FOR THE PROPER AUTHORITIES TO REWORK OTHER SYSTEMS SO AS TO MAINTAIN EXISTING LIGHTING, POWER, SECURITY AND ANY OTHER SERVICES IN THE EXISTING AREAS NOT SLATED FOR DEMOLITION AND/OR OUTSIDE THE SCOPE OF WORK.

DRAWING NOTE:

- REMOVE AND DEMOLISH EXISTING DOUBLE HEAD LIGHT POLE. REMOVE WIRING AND ABANDON CONDUITS AND MAKE SAFE.
- REMOVE AND DEMOLISH EXISTING WALLPACKS AROUND THE BUILDING. REMOVE WIRING AND CONDUIT AND MAKE SAFE.

SITE PLAN – PHOTOMETRIC



TEMPORARY BENCHMARKS

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Engineer

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TOWN OF COLLINGWOOD

Drawing

SITE PLAN – REMOVALS

Drawn By

S.M.

Design By

S.M.

Project

2841–7365

Check By

Check By

P.W.

Drawing

E800