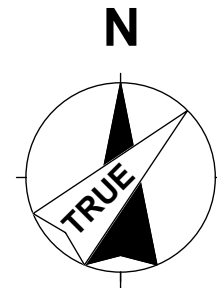


A



HAZELDEAN ROAD

FRINGEWOOD DRIVE

THIS LIGHTING DESIGN MEETS THE CRITERIA FOR FULL CUT-OFF CLASSIFICATION AS RECOGNIZED BY IESNA

NOTES:

ALL ILLUMINANCE LEVELS ARE IN FOOTCANDLES, MEASURED AT GRADE. (1 FC = 10.76 LUX)

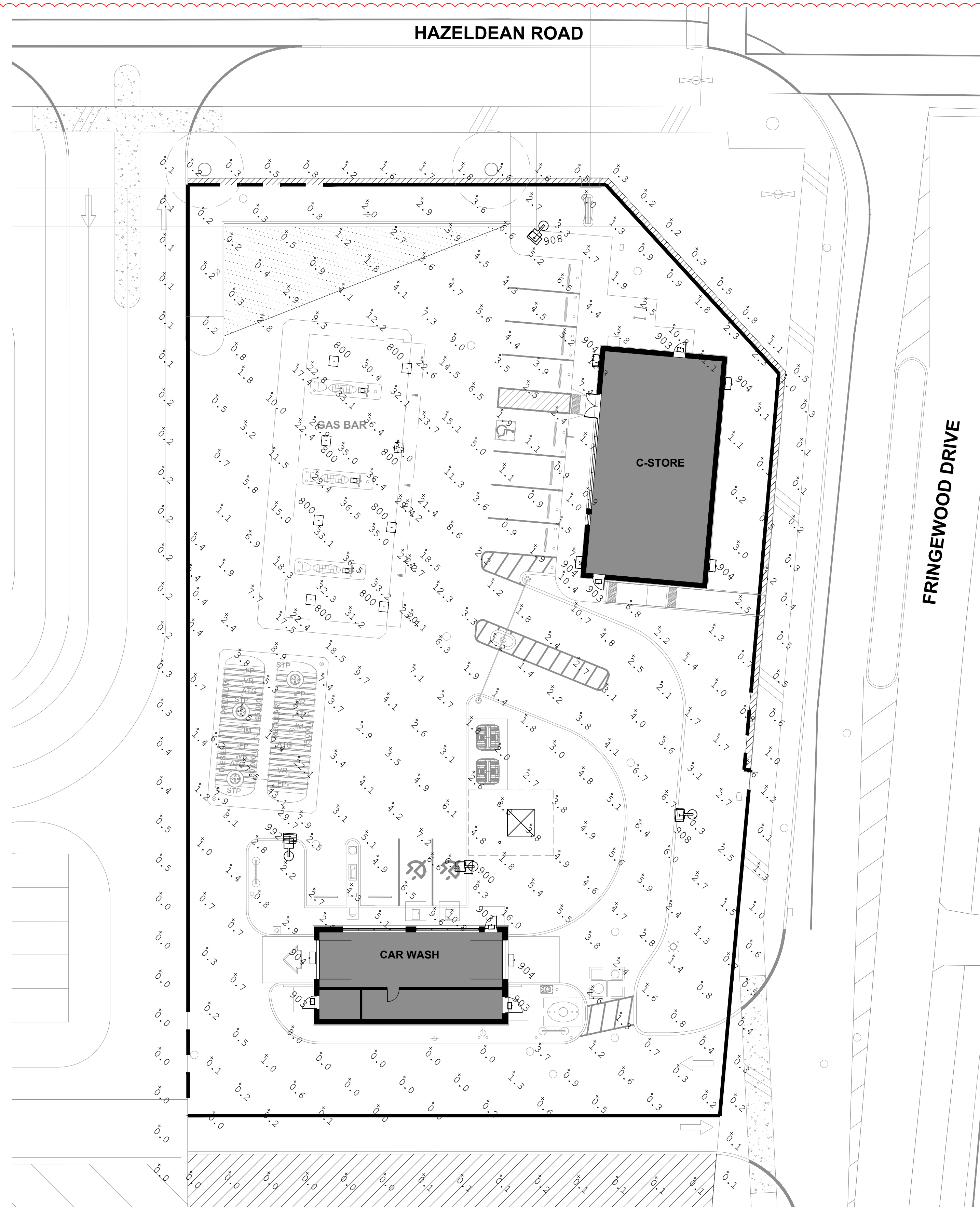
CALCULATIONS HAVE BEEN PERFORMED ACCORDING TO IESNA & CIE STANDARDS AND GOOD PRACTICE. SOME DIFFERENCE BETWEEN MEASURED VALUES AND CALCULATED RESULTS MAY OCCUR DUE TO TOLERANCES IN CALCULATION METHODS, TESTING PROCEDURES, COMPONENT PERFORMANCE, MEASUREMENT TECHNIQUES AND FIELD CONDITIONS SUCH AS VOLTAGE AND TEMPERATURE VARIATIONS. INPUT DATA USED TO GENERATE THE ATTACHED CALCULATIONS SUCH AS DIMENSIONS, REFLECTANCE, AND ARCHITECTURAL ELEMENTS SIGNIFICANTLY AFFECT THE LIGHTING CALCULATIONS. ALL DESIGN INPUTS ARE CURRENT AT THE TIME OF DESIGN. IF THE REAL ENVIRONMENT CONDITIONS DO NOT MATCH THE INPUT DATA, DIFFERENCES WILL OCCUR BETWEEN MEASURED VALUES AND CALCULATED VALUES.

ALL ILLUMINATION LEVELS ARE CALCULATED FROM LIGHTING WITHIN THE SITE. NO LIGHTING FROM OUTSIDE THE SITE HAS BEEN INCLUDED IN THE CALCULATIONS

THE TYPE 992 LUMINAIRE ARE FOR TASK LIGHTING. ALL EXTERIOR LIGHTING IS CONTROLLED BY PHOTOCCELL.

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
C-STORE CANOPY LINK	Illuminance	Fc	5.83	21.4	0.9	6.48	23.78
CANOPY CALCULATION POINTS	Illuminance	Fc	30.52	36.5	22.4	1.36	1.63
CAR WASH LANE	Illuminance	Fc	7.55	10.6	4.1	1.84	2.59
ENTRANCE & EXIT	Illuminance	Fc	7.63	22.4	0.4	19.08	56.00
EXIT 2	Illuminance	Fc	7.50	10.8	4.2	1.79	2.57
LIGHT SPILL OUTSIDE THE SITE	Illuminance	Fc	0.38	1.8	0.0	N.A.	N.A.
SITE CALCULATION POINTS	Illuminance	Fc	3.50	29.7	0.0	N.A.	N.A.
TANKER DISCHARGER POSITION	Illuminance	Fc	13.61	43.1	3.8	3.58	11.34
VACUUMS & TIRE INFLATOR	Illuminance	Fc	5.63	9.6	2.4	2.35	4.00

Symbol	Tag	Qty	Height	Manufacturer	Catalogue #	Arrangement	Description
□	903	5	2400mm	GE LIGHTING SOLUTIONS	GE-EWLS01040AF750N1 FMWHT	SINGLE	WALL MOUNTED 300mm ABOVE DOOR
□	904	6	3000mm	GE LIGHTING SOLUTIONS	GE-EWLS01015AF750N1 FMWHT	SINGLE	WALL MOUNTED 2400mm AFF
□	900	1	7600mm	Cree Inc	OSQ-A-NM-3ME-T-57K-UL-WH	SINGLE	POLE MOUNTED
□	908	2	7600mm	Cree Inc	OSQ-A-NM-3ME-T-57K-UL-WH (C/W BACKSHIELD)	SINGLE	POLE MOUNTED W/ BLSLF
□	992	1	7600mm	Cree Inc	OSQ-A-NM-40D-T-57K-UL-WH	SINGLE	POLE MOUNTED
□	800	8	4500mm	CREE, INC.	CAN-304-SL-RS-06-E-UL-WH-700-PML	SINGLE	CANOPY RECESSED LIGHTING



AECOM

PROJECT

Shell Canada Products
HAZELDEAN RD. &
FRINGEWOOD DR. NTI

5 Orchard Drive
Stittsville, Ontario

CLIENT

Shell Canada

400-4th Avenue SW
Calgary, AB T2P 0J4
403.252.4554 tel
www.shell.ca

CONSULTANT

AECOM Canada Ltd
4th Floor, 3292 Production Way
Burnaby, BC V5A 4R4
604.444.6400 tel 604.294.8597 fax
www.aecom.com

CTM Design Services Ltd.
210, 340 Midpark Way SE
Calgary, AB T2X 1P1
403.640.0990 tel
www.ctmdesign.ca



REGISTRATION

LEGAL DESCRIPTION

PART OF BLOCK 21 OF DRAFT PLAN OF
SUBDIVISION OF PARTS OF LOTS 26 AND 27 OF
REGISTERED PLAN 4R2506 PART 3,
CONCESSION 11, GEOGRAPHIC TOWNSHIP OF
GOULBOURN (CITY OF OTTAWA)

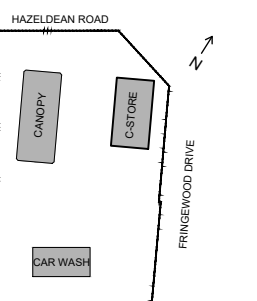
ISSUE/REVISION

IR	DATE	DESCRIPTION
B	2020-09-30	RE-ISSUED FOR SPA
A	2020-03-31	ISSUED FOR SPA

DRAWN BY

AA

KEY PLAN



GLOBAL PROJECT ID NUMBER

CAN01444

SHEET TITLE

SITE
SITE PHOTOMETRIC PLAN

CTM DESIGN FILE NAME

2020072_E101.0

SHEET NUMBER

E101-0