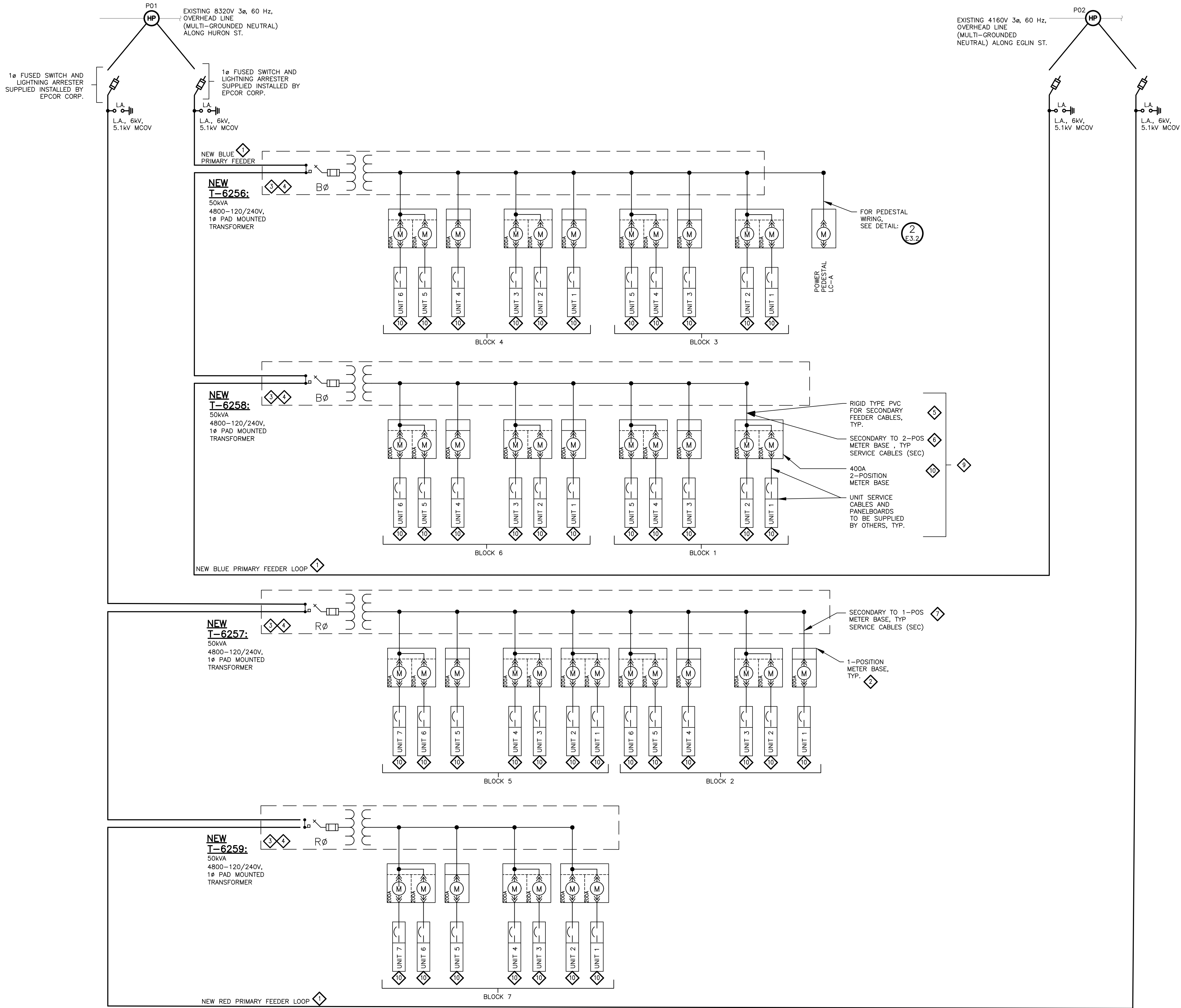
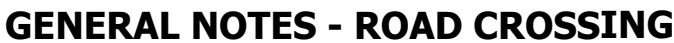




- SINGLE LINE DIAGRAM NOTES:**
- 1- PRIMARY LOOP FEEDER CABLE: 1Ø#1/ØAWG IN 103mm² PVC DUCT. REFER TO EPCOR'S "GENERAL CONTRACTOR REQUIREMENTS AND MATERIAL SPECIFICATIONS" FOR PRIMARY CABLE SPECIFICATIONS.
 - 1-POSITION 200A RATED METER BASE: HYDEL ENTERPRISES EK400R0 SERIES, THOMAS AND BETTS MICROELECTRIC BS2-TCV, EATON CUTLER-HAMMER LM2 100 AMP. LINE/LOAD CABLES UP TO 250MCM CU/AL, WEATHERPROOF RATED (EEMAC 3R). REFER TO EPCOR'S "GENERAL CONTRACTOR REQUIREMENTS AND MATERIAL SPECIFICATIONS".
 - EPCOR TO INSTALL NEW TRANSFORMER. CONTRACTOR TO PROVIDE CONCRETE VAULT AND GROUNDING GRID.
 - ALL PRIMARY AND SECONDARY CABLE TERMINATIONS INSIDE EACH TRANSFORMER OR ON POLE WILL BE PERFORMED BY EPCOR.
 - EXPOSED SECTIONS OF CONDUIT (ABOVE GRADE) FOR SECONDARY FEEDER CABLES MUST BE RIGID PVC.
 - SECONDARY SERVICE CABLES FOR 2-POSITION 400A METER BASES: 3C#500MCM AL. USE90. REFER TO EPCOR'S "GENERAL CONTRACTOR REQUIREMENTS AND MATERIAL SPECIFICATIONS" FOR SECONDARY CABLE SPECIFICATIONS.
 - SECONDARY SERVICE CABLES FOR 1-POSITION 200A METER BASES: 3C#250MCM AL. USE90. REFER TO EPCOR'S "GENERAL CONTRACTOR REQUIREMENTS AND MATERIAL SPECIFICATIONS" FOR SECONDARY CABLE SPECIFICATIONS.
 - TYPICAL FOR TOWNHOUSE UNITS WITH 200A SERVICE
 - 2-POSITION 400A RATED METER BASE (HORIZONTAL): THOMAS AND BETTS MICROELECTRIC BS42-V, EATON CUTLER HAMMER 2K4, HYDEL ENTERPRISES HC42R. 400AMP MAINS. 200AMP MULTI-POSITION, SEPARATE TERMINATION COMPARTMENT FOR "LINE SIDE" SERVICE CABLES UP TO 600MCM CU/AL. 4-JAW METER SOCKETS, SUITABLE FOR UNDERGROUND SERVICES UP TO #250MCM CU/AL, WEATHERPROOF RATED (EEMAC 3R). REFER TO EPCOR'S "GENERAL CONTRACTOR REQUIREMENTS AND MATERIAL SPECIFICATIONS".
 - MAXIMUM ELECTRICAL SERVICES TO EACH UNIT: 200AMP MAX., 120/240VAC, 1-PHASE, 60HZ. SERVICE CABLES TO ENTER UNIT (VIA UNDERGROUND) BY OTHERS DURING THIS CONTRACT. CONTRACTOR TO COORDINATE LOCATION OF METERS WITH CONTRACTOR INSTALLING UNIT PANELBOARDS PRIOR TO INSTALLING SERVICE CABLES TO METER BASES.

1 SINGLE LINE DIAGRAM FOR PROPOSED DEVELOPMENT
E1.1 - EXCEPT FOR STREETLIGHT SYSTEM, ALL ELECTRICAL EQUIPMENT AND CABLES TO BE OWNED AND OPERATED BY EPCOR.

DISCLAIMER AND COPYRIGHT CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED. TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.	BENCHMARKS TBM1 – ELEVATION 185.80 CUT CROSS ON SIDEWALK LOCATED AT SOUTHWEST CORNER OF HURON STREET AND ELGIN STREET. TBM2 – ELEVATION 186.56 CUT CROSS ON NORTHWEST CORNER OF CURB ISLAND LOCATED IN PROPERTY SOUTHWEST OF SUBJECT LANDS.	NOTES ALL DIMENSIONS, ELEVATIONS AND SIZES ARE IN METRIC UNITS UNLESS INDICATED. PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED. ELEVATIONS ARE IN METRES UNLESS INDICATED. SURVEY COMPLETED BY VAN HARTEN SURVEYING INC., DATED APRIL 4, 2021. SERVICING AS PER CROZIER AND ASSOCIATES FUNCTIONAL SERVICING AND STORMWATER MANAGEMENT REPORT DATED JULY 2013.	<table><tr><th>No.</th><th>REVISION DESCRIPTION</th><th>DATE</th></tr><tr><td>1.</td><td>FIRST SUBMISSION</td><td>OCT 2021</td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table>	No.	REVISION DESCRIPTION	DATE	1.	FIRST SUBMISSION	OCT 2021										ENGINEER STAMP 	CIDERY TOWNS TOWN OF THE BLUE MOUNTAINS SINGLE LINE DIAGRAM	 <table><tr><td>DESIGN: RJW</td><td>FILE: 21058P</td><td rowspan="3">E1.1</td></tr><tr><td>DRAWN: RJW</td><td>DATE: SEPT 2020</td></tr><tr><td>CHECK: SRT</td><td>SCALE: 1:1</td></tr></table>	DESIGN: RJW	FILE: 21058P	E1.1	DRAWN: RJW	DATE: SEPT 2020	CHECK: SRT	SCALE: 1:1
No.	REVISION DESCRIPTION	DATE																										
1.	FIRST SUBMISSION	OCT 2021																										
DESIGN: RJW	FILE: 21058P	E1.1																										
DRAWN: RJW	DATE: SEPT 2020																											
CHECK: SRT	SCALE: 1:1																											



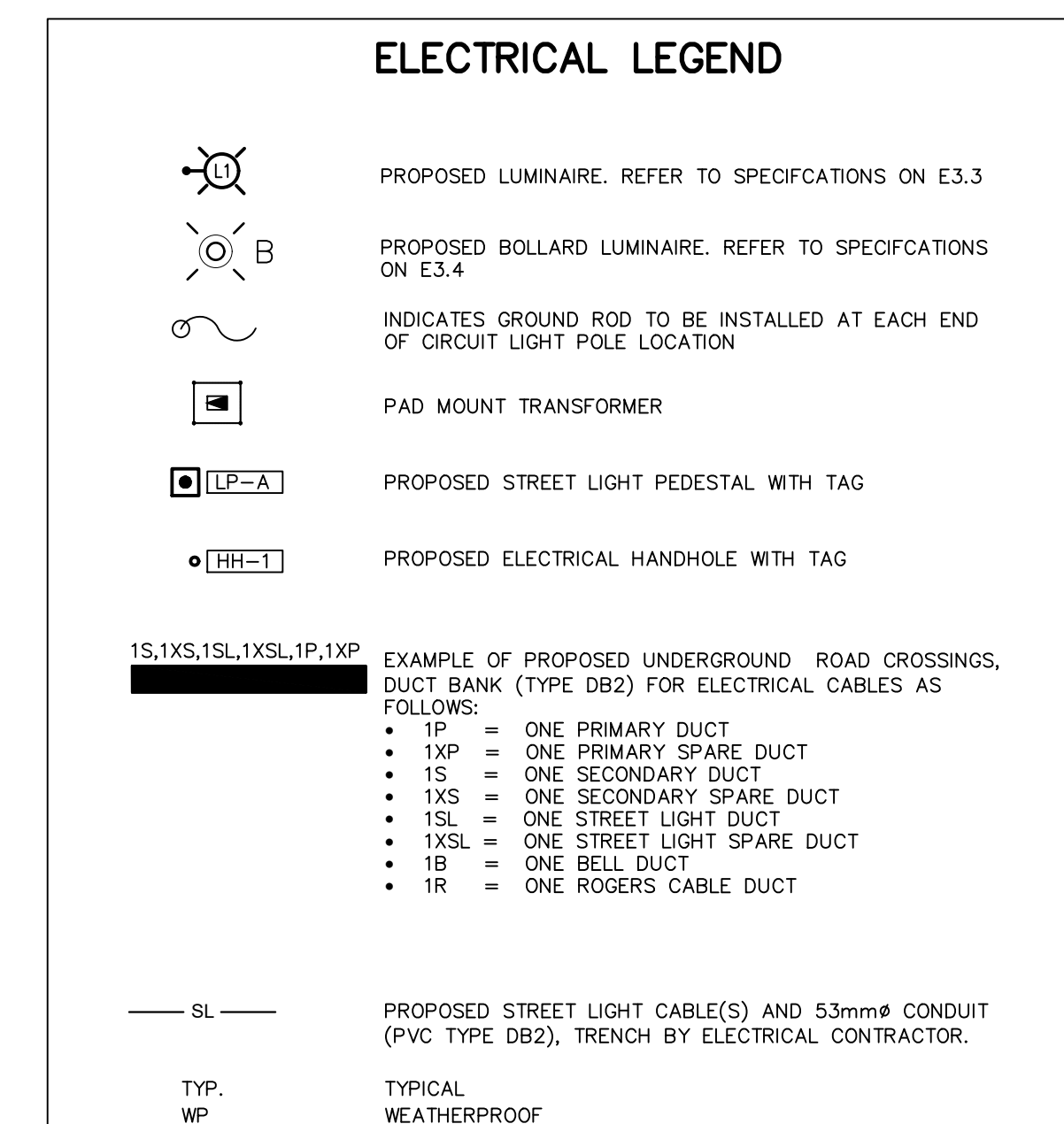
- ALL ELECTRICAL POWER CABLE TO BE INSTALLED IN CONFORMANCE WITH WASAGA DISTRIBUTION INC. STANDARDS AND LATEST EDITIONS OF ONTARIO ELECTRICAL SAFETY CODE AND CSA STANDARD CAN3-C22.3



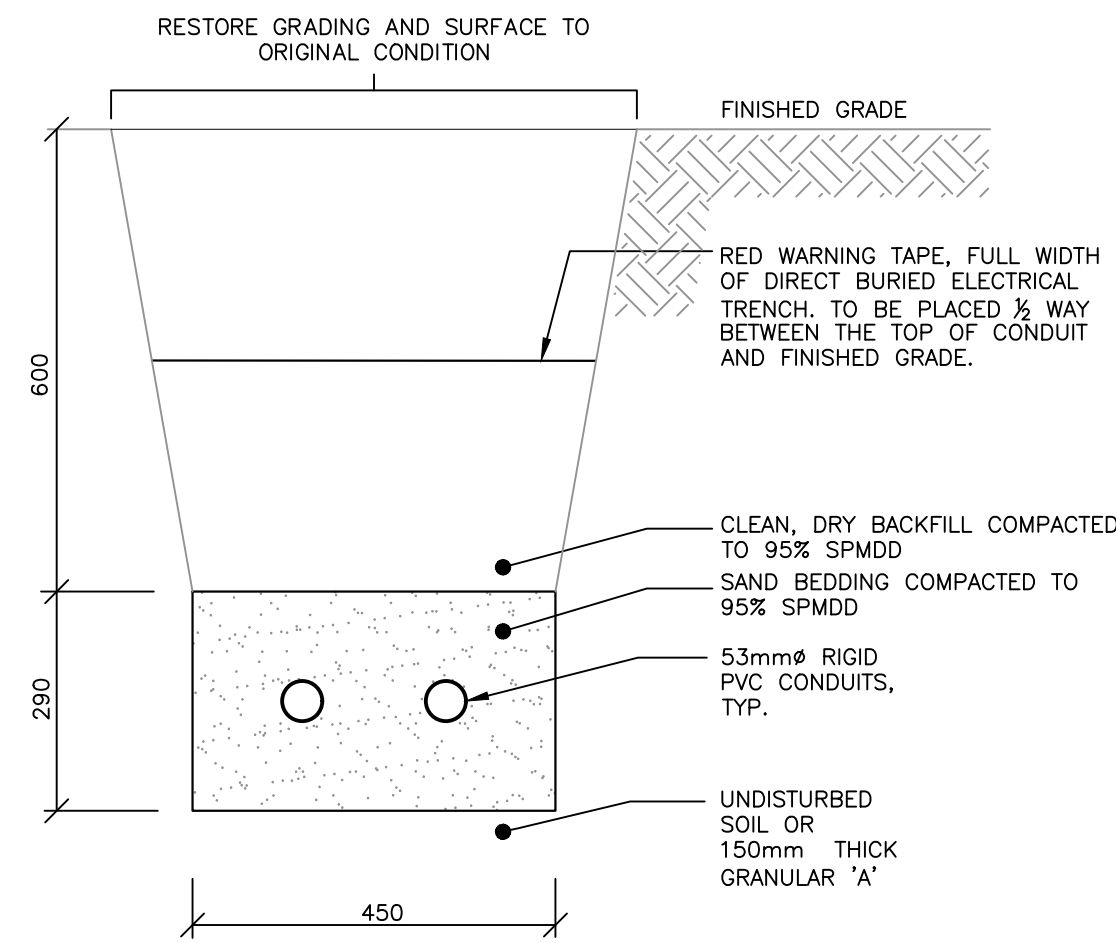
- ALL ELECTRICAL POWER CABLE TO BE INSTALLED IN CONFORMANCE WITH WASAGA DISTRIBUTION INC.
STANDARDS AND LATEST EDITIONS OF ONTARIO ELECTRICAL SAFETY CODE AND CSA STANDARD CAN3-C22.3
PROVIDE LARGE UTILITY "SWEEP" FITTINGS FOR ALL DUCT BENDS

2 JOINT TRENCH DETAIL WITH GAS – JOINT TRENCH PROFILE
E2.1 – SCALE: NTS

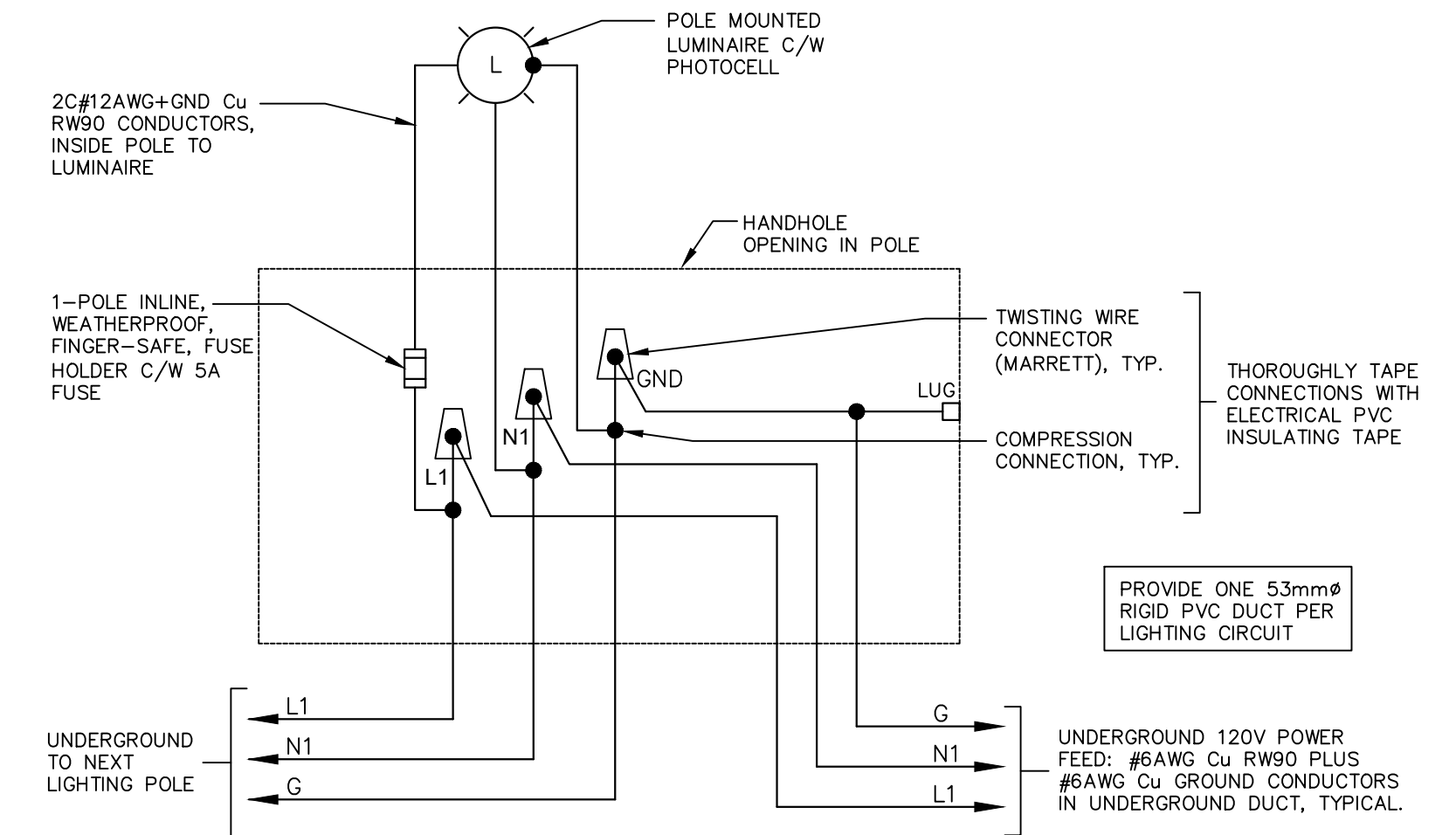
DISCLAIMER AND COPYRIGHT CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED. TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.	BENCHMARKS TM1 – ELEVATION 185.80 CUT CROSS ON SIDEWALK LOCATED AT SOUTHWEST CORNER OF HURON STREET AND ELGIN STREET. TM2 – ELEVATION 186.56 CUT CROSS ON NORTHWEST CORNER OF CURB ISLAND LOCATED IN PROPERTY SOUTHWEST OF SUBJECT LANDS.	NOTES ALL DIMENSIONS, ELEVATIONS AND SIZES ARE IN METRIC UNITS UNLESS INDICATED. PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED. ELEVATIONS ARE IN METRES UNLESS INDICATED. SURVEY COMPLETED BY VAN HARTEN SURVEYING INC., DATED APRIL 4, 2021. SERVICING AS PER CROZIER AND ASSOCIATES FUNCTIONAL SERVICING AND STORMWATER MANAGEMENT REPORT DATED JULY 2013.	No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP	CIDERY TOWNS TOWN OF THE BLUE MOUNTAINS TRENCHING DETAILS	DESIGN: RJW DRAWN: RJW CHECK: SRT	FILE: 21056P DATE: SEPT 2020 SCALE: N/A	DWG: E2.2
			1.	FIRST SUBMISSION	OCT 2021					



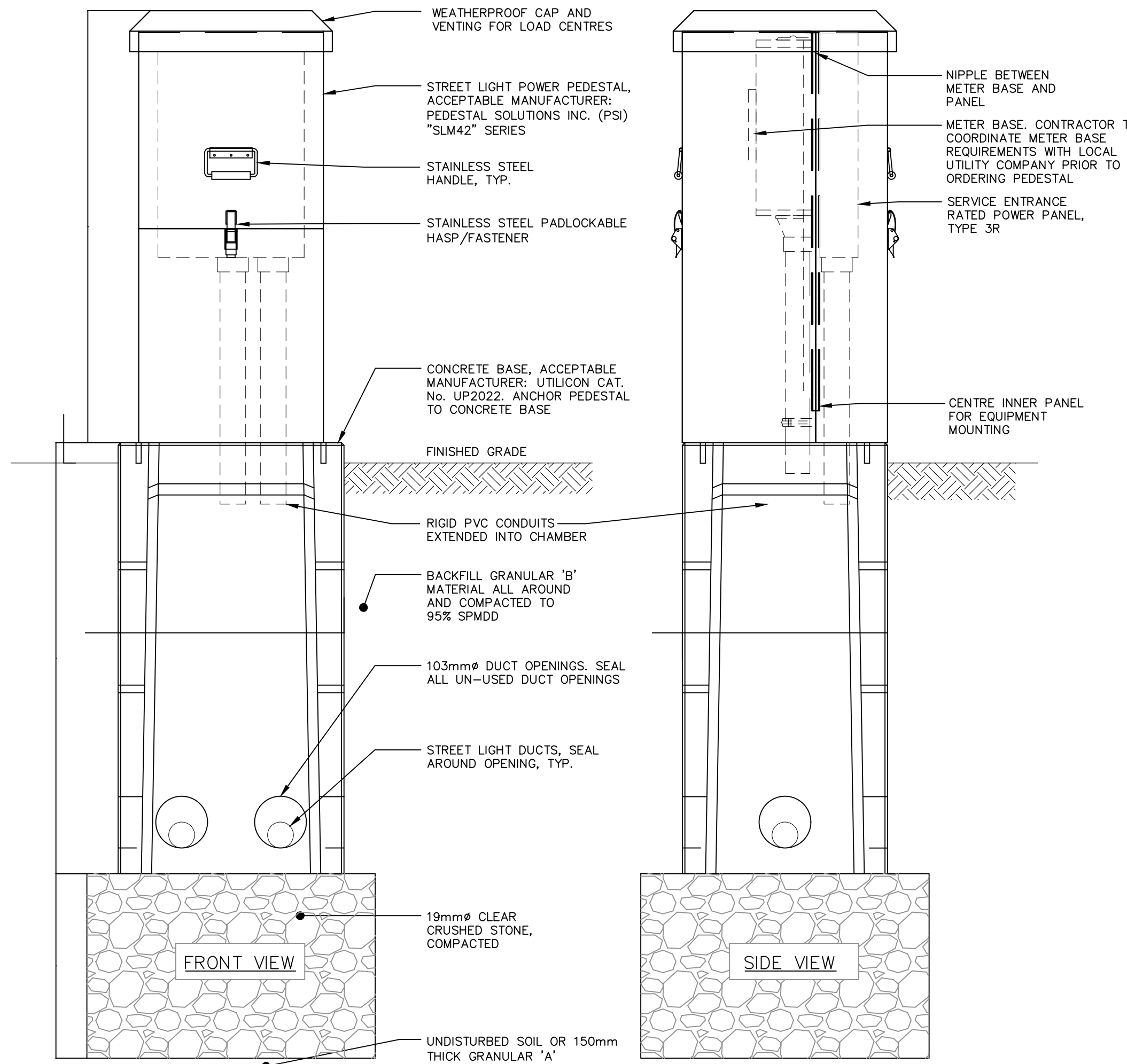
		
DESIGN: R/W	FILE: 21056P	DWG:
DRAWN: R/W	DATE: SEPT 2020	E3.1
CHECK: SRT	SCALE: 1=500	



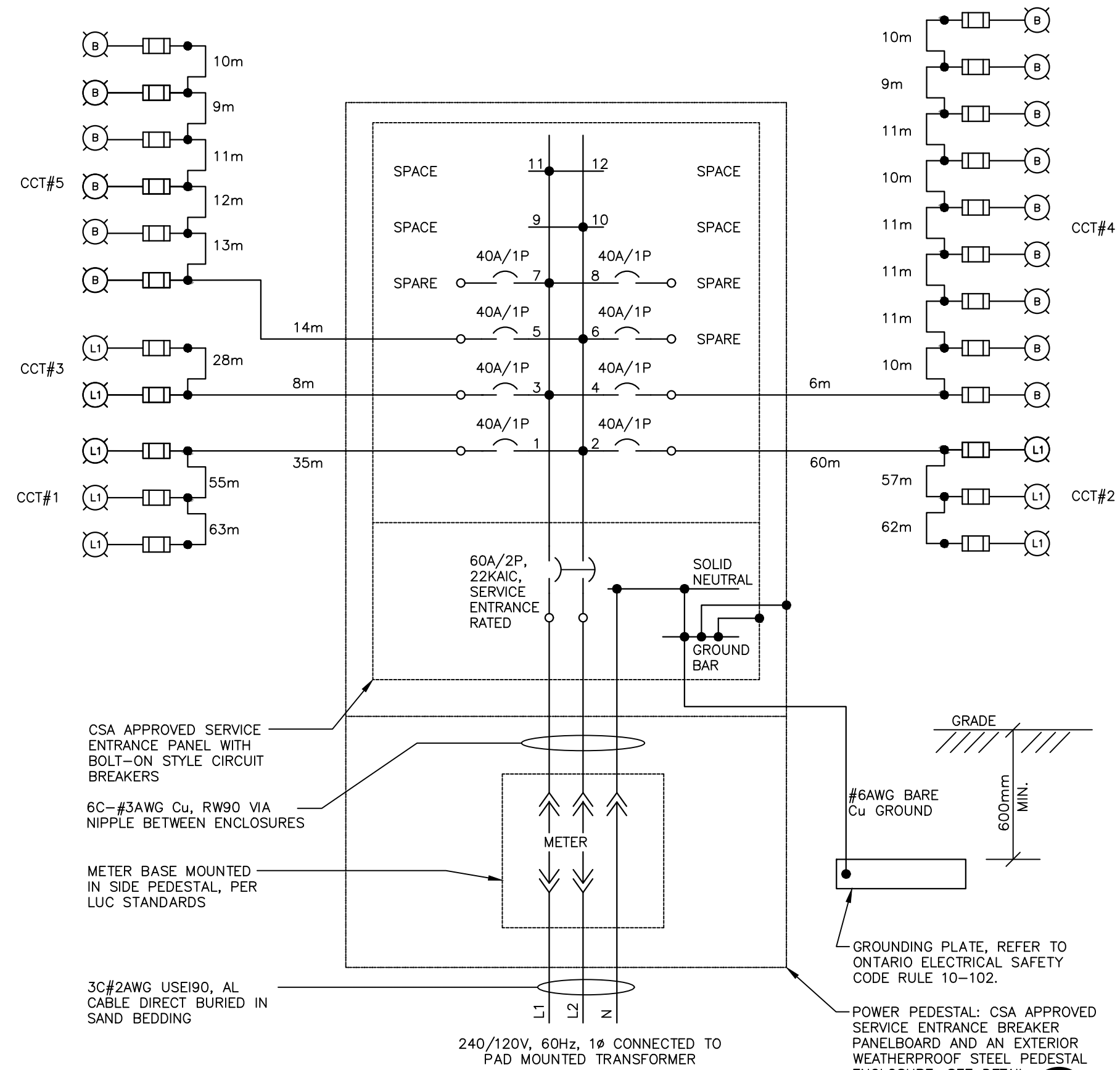
3 TYP., STREETLIGHT DUCTBANK
- NTS, DIMENSIONS SHOWN IN MILLIMETRES (mm)



4 TYPICAL WIRING DETAIL FOR STREET LIGHT
- NTS



1 "LC-A" SERVICE ENTRANCE POWER PANEL PEDESTAL INSTALLATION DETAIL
- NTS, DIMENSIONS SHOWN IN MILLIMETERS (mm)



2 "LC-A" METERED PEDESTAL WIRING DIAGRAM
- NTS, DIMENSIONS SHOWN IN MILLIMETRES (mm)

DISCLAIMER AND COPYRIGHT

CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED.

TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.

BENCHMARKS

TBM1 - ELEVATION 185.80
CUT CROSS ON SIDEWALK LOCATED AT SOUTHWEST CORNER OF HURON STREET AND ELGIN STREET.

TBM2 - ELEVATION 186.56
CUT CROSS ON NORTHWEST CORNER OF CURB ISLAND LOCATED IN PROPERTY SOUTHWEST OF SUBJECT LANDS.

NOTES

ALL DIMENSIONS, ELEVATIONS AND SIZES ARE IN METRIC UNITS UNLESS INDICATED. PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED. ELEVATIONS ARE IN METRES UNLESS INDICATED.

SURVEY COMPLETED BY VAN HARTEN SURVEYING INC., DATED APRIL 4, 2021.

SERVICING AS PER CROZIER AND ASSOCIATES FUNCTIONAL SERVICING AND STORMWATER MANAGEMENT REPORT DATED JULY 2013.

No.	REVISION DESCRIPTION	DATE
1.	FIRST SUBMISSION	OCT 2021

ENGINEER STAMP

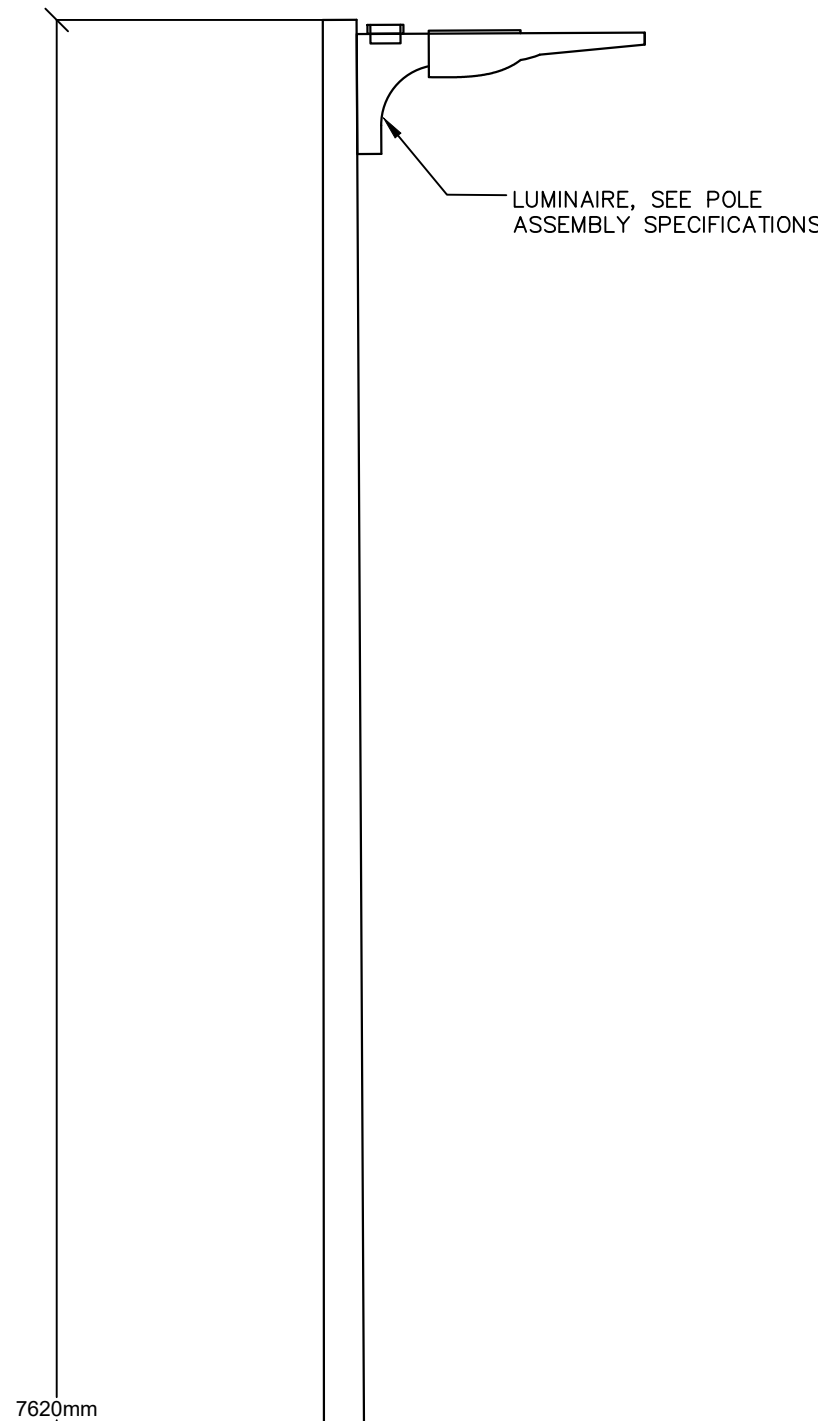


CIDERY TOWNS
TOWN OF THE BLUE MOUNTAINS

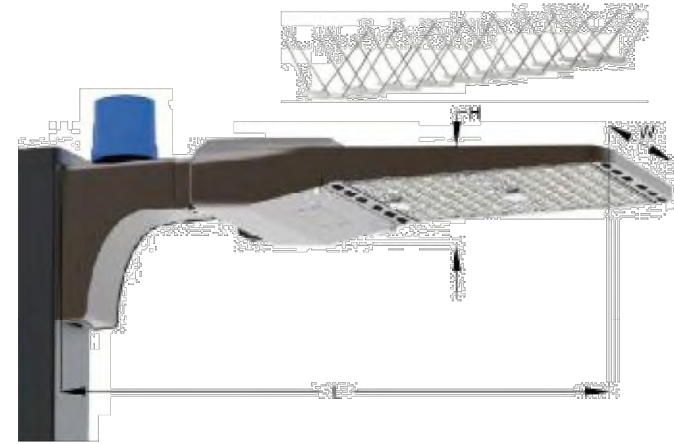
LIGHTING DETAILS - SHEET 1



DESIGN: RJW	FILE: 21058P	DWG: E3.2
DRAWN: RJW	DATE: SEPT 2020	
CHECK: SRT	SCALE: N/A	



HD-SL SERIES-LED (10 YEAR WARRANTY)



PRODUCT TECHNICAL DATA SHEET



"L1"

Sizes L W H

Large 30" 12" 4-1/8"

Medium 24" 12" 3-5/8"

Small 17" 12" 3-1/2"

Specification Features

- Up to 68,000 Lumens
- Color Temperature 3000K/4000K/5000K
- Lumen Efficacy: 140 Lm/W
- CRI > 80
- Die-Cast aluminum housing
- Quick disconnect driver system
- 1-10V dimmable optional
- Bird Spikes option
- Twist lock photocell optional
- Suitable for wet locations, IP66
- IES II, III, IV and V
- Manufacturer Warranty: 10 years
- Working Temperature: -40°C ~ + 55°C
- Bronze powder coated finish (RAL 8019)
- Consult manufacturer for mounting options

HD-SL-S-40W-5600Lm-4000K-120V-III-PEC-HSS-BLACK

HD-SL SERIES							
Product #	INPUT WATTAGE	LUMEN OUTPUT	COLOR TEMPERATURE	VOLTAGE	OPTICS	OPTIONS	COLOR
HD-SL-L	500W 400W	68000 Lm 56000 Lm					
HD-SL-M	300W 240W	41400 Lm 28800 Lm	3000K 4000K 5000K	120V ~ 277V	IES Type II, III, IV and V	PEC-Twist Lock Photocell Optional	RAL 8019 Bronze
HD-SL-S	185W 150W 100W 80W 40W	25160 Lm 21000 Lm 14000 Lm 11200 Lm 5600 Lm		240V ~ 480 V (347V)		BS-Bird Spikes HSS House Side Shield	



1280 Fewster Dr, Mississauga, ON L4W 1A4

Please Note: Fabrication will not begin until this drawing is approved, signed and returned to HCI

☐ APPROVED

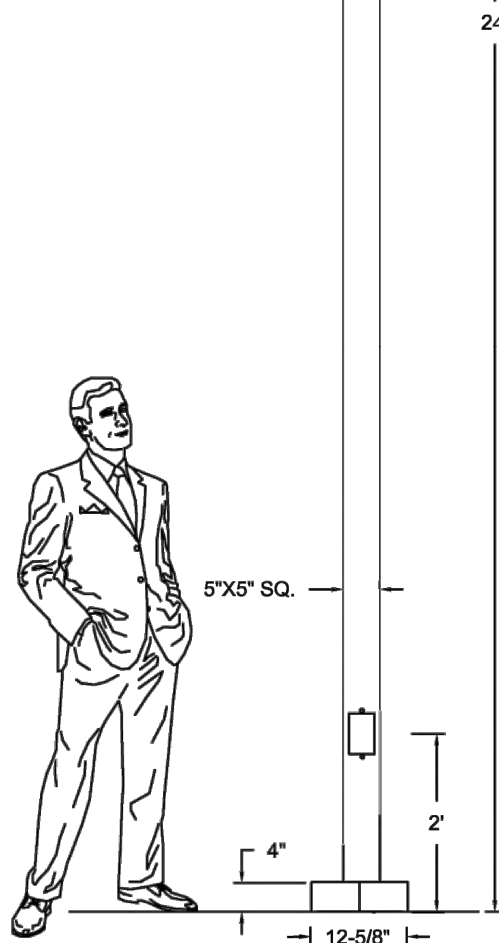
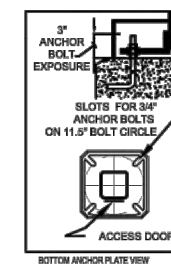
☐ APPROVED AS NOTED

☐ REJECTED

☐ REVISE AND RESUBMIT

By _____

Date _____



(C) 2021 HCI (Heritage Casting & Ironworks). All rights reserved. Unauthorised reproduction prohibited. In an ongoing effort to improve quality through design, we reserve the right to modify specifications without notice.

Approval Drawing

Model: P424-2SQ-5SQPC-24-RAL9011

Pole Material: 5"x5" SQ. x .226 wall extruded aluminum pole, welded to aluminum base plate.

Base Cover: Two piece square cast aluminum base cover attached to pole with stainless steel screws.

Anchor Bolts: 4 galvanized 19mm (3/4") x 609.6mm (24") long. Anchor bolts and template are supplied by HCI. (B.C. 11.5")

Finish: Electrostatically applied, thermoset polyester powder-coat finish.

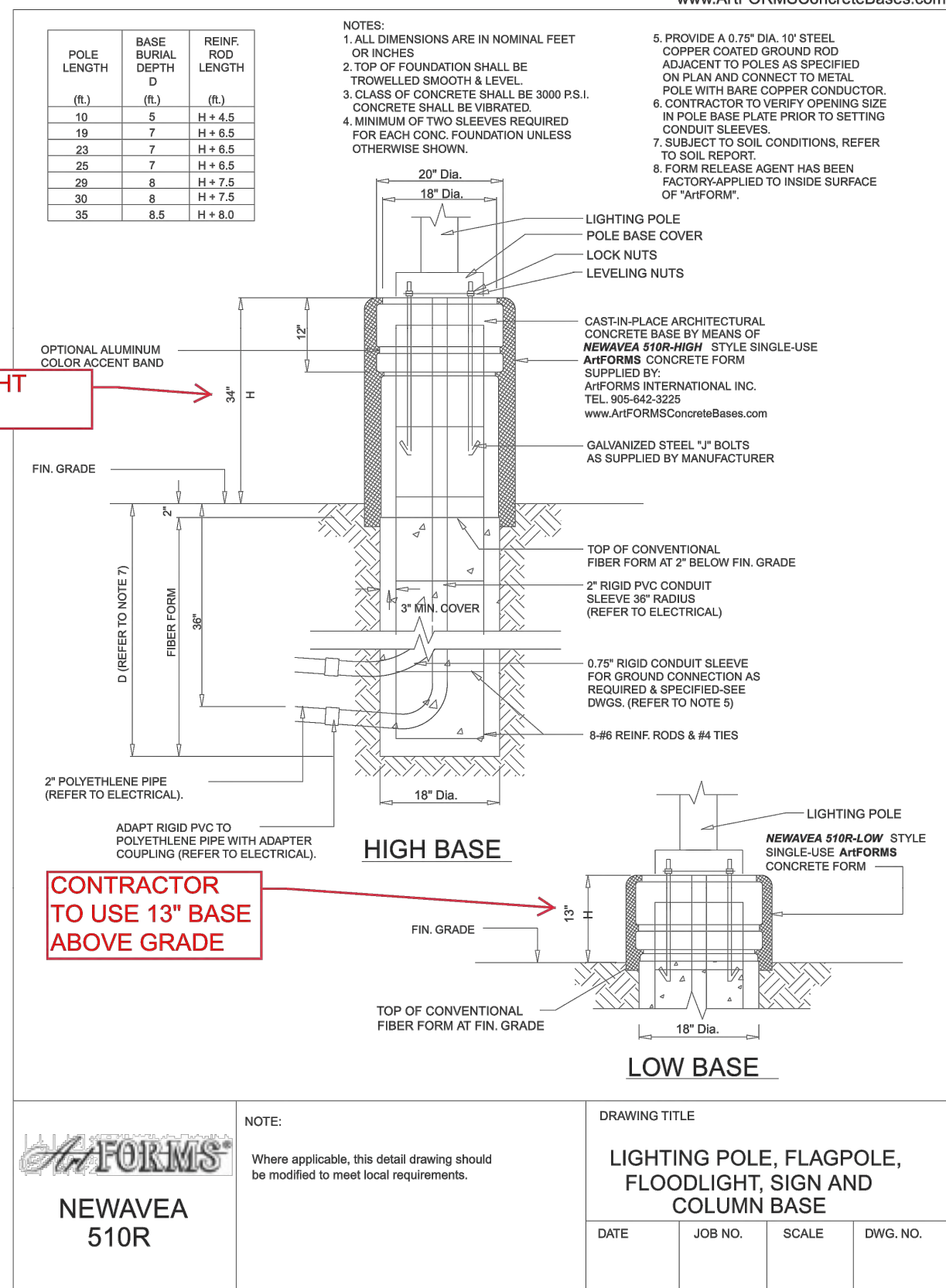
Colour: Black RAL9011.

Sales: KIM Designer: HOWARD
Date: OCT 2021 Drawing No: 13225-V1
Model: P424-2SQ-5SQPC-24-RAL9011
Project: Applewood (QTY:)
Rep: Tatham

Please Note: Fabrication will not begin until this drawing is approved, signed and returned to HCI



1280 Fewster Drive, Mississauga, Ontario, Canada L4W 1A4
Tel: (905) 238-2648 Fax: (905) 238-9060
Toll Free Canada & USA 1-800-267-3175
E: sales@hclighting.com WEB: www.hclighting.com



NOTE: Where applicable, this detail drawing should be modified to meet local requirements.

DRAWING TITLE
LIGHTING POLE, FLAGPOLE, FLOODLIGHT, SIGN AND COLUMN BASE

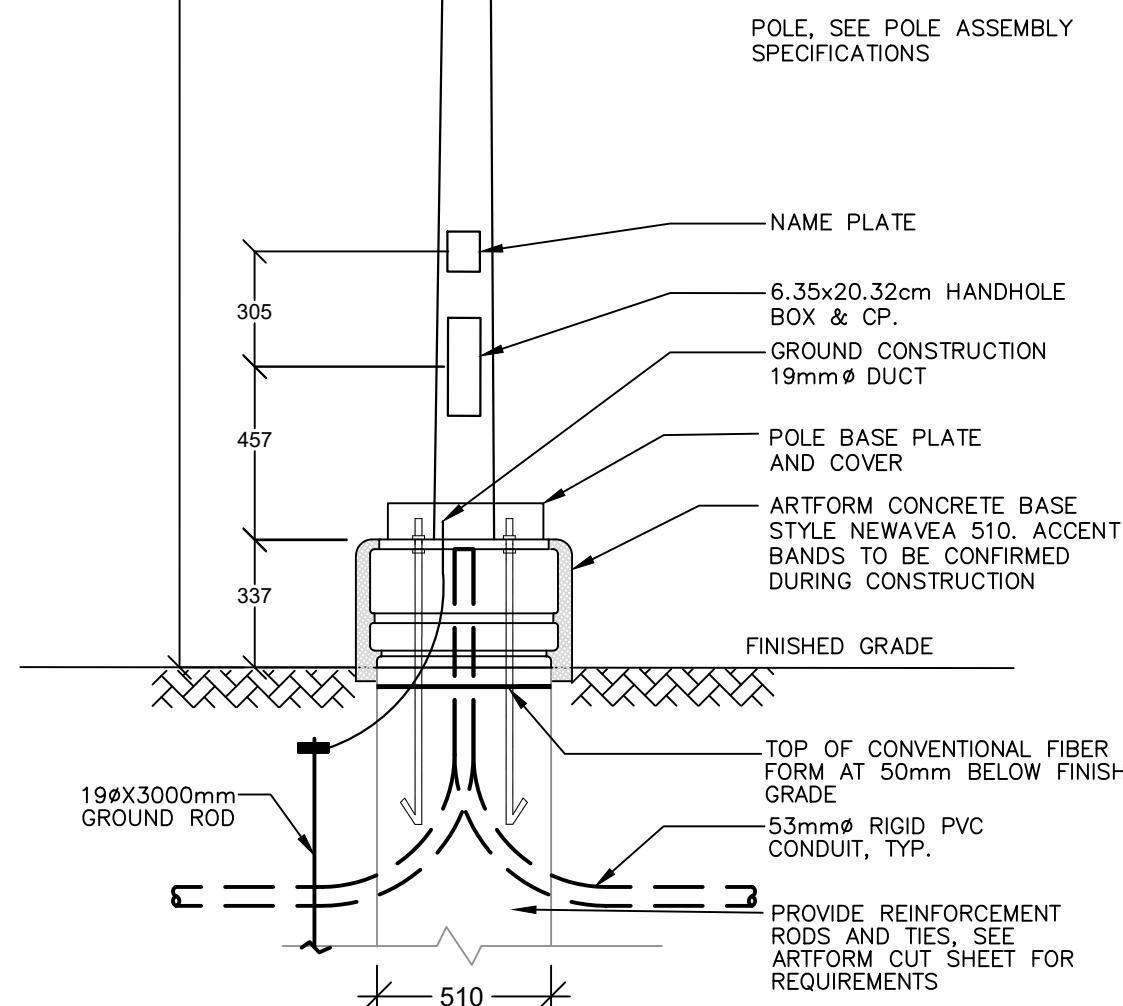
DATE	JOB NO.	SCALE	DWG. NO.

PLOT @ 3/32"=1"

2 L1 LUMINAIRE CATALOGUE SHEETS E3.3 -NTS

3 L1 POLE CATALOGUE SHEET E3.3 -NTS

4 L1 CONCRETE BASE CATALOGUE SHEETS E3.3 -NTS



POLE ASSEMBY SPECIFICATIONS FOR "L1"

LUMINAIRE: HD-SL SERIES-LED
MANUFACT.: LED ROADWAY LIGHTING
DISTRIBUTION: TYPE IV
HOUSING: DIE CAST ALUMINUM
QUALITY: CSA OR ULc WET LOCATION LISTED
CONTROL: PHOTOCELL RECEPTACLE
VOLTAGE: 120 VAC
LAMP: 40 WATT LED
OPTIONS: 7-PIN PHOTOCELL RECEPTACLE, TWIST LOCK PHOTOCELL, HOUSE SIDE SHIELD
CATALOGUE: HD-SL-S-40W-IV-HSS

POLE: STRAIGHT SQUARE STEEL, EPA RATED
MANUFACT.: HCI
COLOUR: BLACK
HEIGHT: 7315 (24")
MOUNTING: 508mm (20") CONCRETE BASE. REFER TO ARTFORM
NEWAVEA CUT SHEET ON THIS DRAWING
COATINGS: GALVANIZED AND POWDER COATED
OPTIONS: POLE BASE COVER PLATE

NOTES: COORDINATE BASE PLATE BOLT PATTERN WITH CONCRETE BASE ANCHOR BOLTS.

1 LUMINAIRE L1 INSTALLATION DETAIL E3.3 -NTS

DISCLAIMER AND COPYRIGHT

CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED.

TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.

BENCHMARKS

TBM1 - ELEVATION 185.80
CUT CROSS ON SIDEWALK LOCATED AT SOUTHWEST CORNER OF HURON STREET AND ELGIN STREET.

TBM2 - ELEVATION 186.56
CUT CROSS ON NORTHWEST CORNER OF CURB ISLAND LOCATED IN PROPERTY SOUTHWEST OF SUBJECT LANDS.

NOTES

ALL DIMENSIONS, ELEVATIONS AND SIZES ARE IN METRIC UNITS UNLESS INDICATED. PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED. ELEVATIONS ARE IN METRES UNLESS INDICATED.

SURVEY COMPLETED BY VAN HARTEN SURVEYING INC., DATED APRIL 4, 2021.

SERVICING AS PER CROZIER AND ASSOCIATES FUNCTIONAL SERVICING AND STORMWATER MANAGEMENT REPORT DATED JULY 2013.

No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP
1.	FIRST SUBMISSION	OCT 2021	

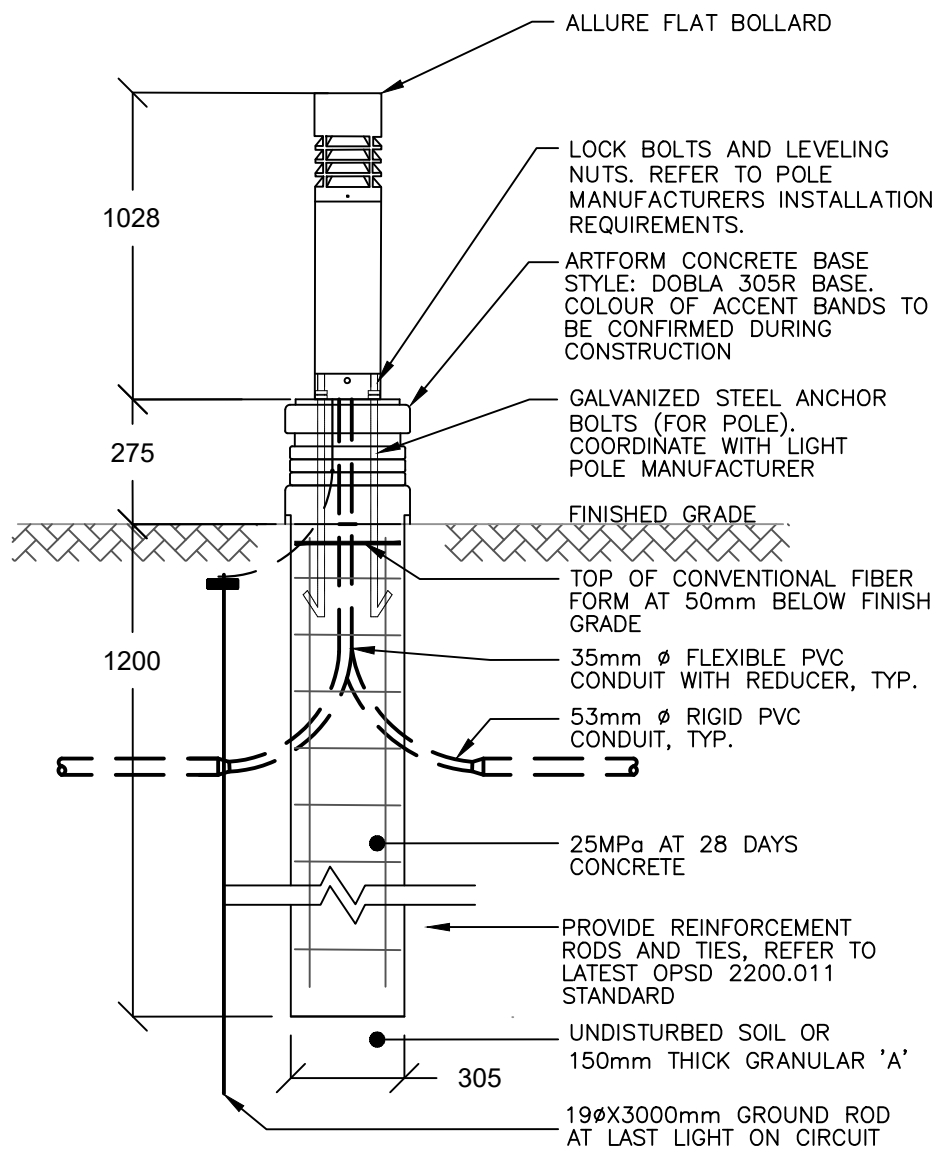


CIDERY TOWNS
TOWN OF THE BLUE MOUNTAINS

LIGHTING DETAILS - SHEET 2



DESIGN: RJW	FILE: 21058P	DWG: E3.3
DRAWN: RJW	DATE: SEPT 2020	
CHECK: SRT	SCALE: N/A	



1 B1 BOLLARD LIGHTING TYPICAL INSTALLATION

- NTS
- FOR INSTALLATION DETAILS REFER TO OPSD 2200.041

Fixture Type: **"B"**
Model Number: _____
Project Name: _____

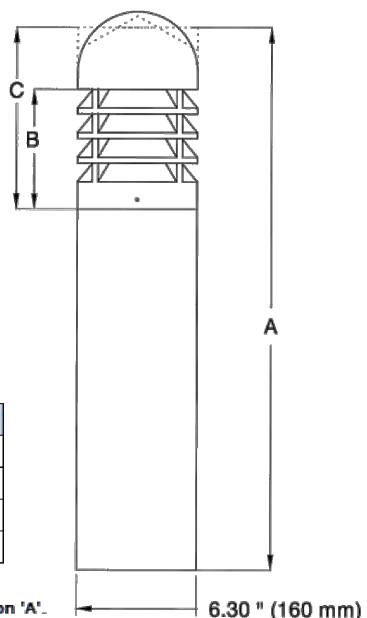


ALLURE louvered full cutoff LED bollard



TOP STYLE	A	B	C
Beveled	40.5"	6.3"	9.5"
Cone	41.1"		10.1"
Dome	41.3"		10.3"
Flat	40.5"		9.5"

Note: standard 42" model dimensions.
For 30" models, subtract 12" from dimension 'A'.



General: The cast louvers on the Dark Sky Approved Allure series bollard provide excellent downward light control for low-level walkway installations. Cast louvers shield the light source, reducing glare.

Exterior: Sand cast, marine-grade aluminum top, head, and mounting base. Extruded aluminum bollard tube. Bollard tube can be cut to custom length; consult factory. Stainless steel hardware and fasteners.

Wattage: Available wattages: 15 watt, and 21 watt. Available color temperatures: 3000K, 4000K, and amber (590nm). CRI>70.

Driver: Constant current; maximum wattage = 40 watts; universal input voltage 120v-277v (50/60Hz); THD<20%. Power Factor >0.90. 0-10V dimming standard for a dim range of 100% down to 10%.

Heat Sink: Finned aluminum heat sink with black electrocoating securing heat sink to LED module.

Finish: Textured polyester powder coat finish. Black, bronze, gray, white, silver, and verde green available. Consult factory for custom finishes.

Gaskets: EPDM gaskets are standard.

Dimensions: 6.30" diameter standard with overall height (OAH) options of 30" and 42". For custom height options, consult factory.

Tops: Four top styles available: beveled (-B), cone (-C), dome (-D), and flat (-F).

Mounting: Mount bollard using the provided cast mounting base, template, and (4) 1/2" anchor bolts.

Options: Recessed outlet box/cover (-GFI)
PIR Motion Sensor (-PIR)
Houseside Shields (-180HSS and -270HSS)

Certifications: ANSI/UL 1598, 8750
Operating temperature: -40°C to +50°C
Florida Fish & Wildlife Conservation Commission approval 2017-007
IDA Dark Sky Approved (3000K or Amber LED)



content of specification sheet is subject to change.
N60 W14592 Kaul Avenue P 877 965 0005
Menomonee Falls, WI 53051 intrigueled.com
Aug-21

Fixture Type: **"B"**
Model Number: _____
Project Name: _____



AR-6-B-21LED-3K-F-UNV-42-BLK c/w BUILT-IN PHOTOCELL

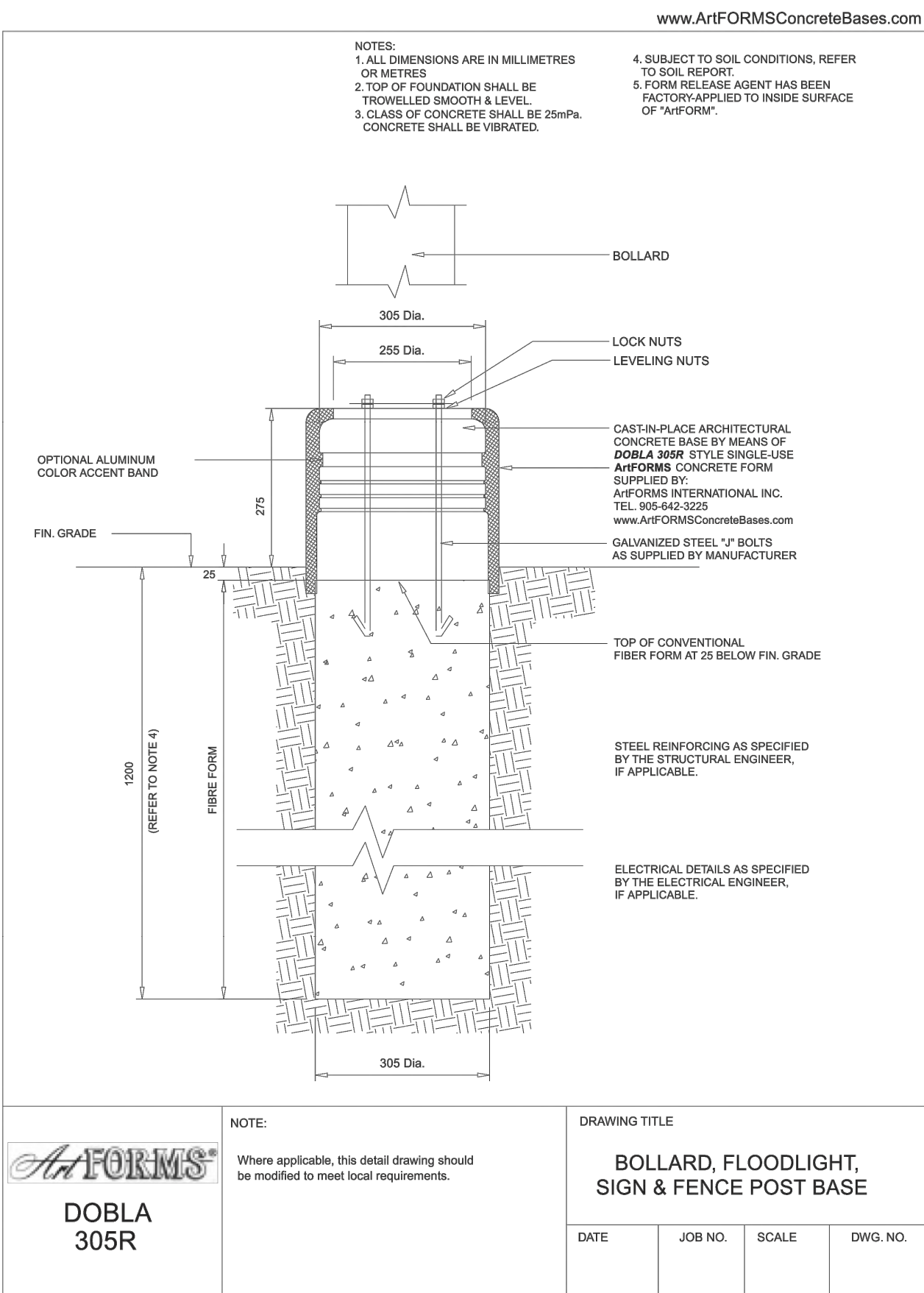
MODEL NUMBER DETAIL

SERIES	☐ AR	Allure Louvered Cutoff LED Bollard
DIAMETER	☐ 6	6.30" Outer Diameter
MOUNTING	☐ B	Bollard Mount
WATTAGE	☐ 15LED ☐ 21LED	15-watt LED Module (@700mA) 21-watt LED Module (@1050mA)
COLOR (K)	☐ 3K ☐ 4K ☐ AML	3000K (IDA Dark Sky Approved) 4000K 590nm Amber (IDA Dark Sky Approved)
TOP STYLE	☐ B ☐ C ☐ D ☐ F	Beveled Top Cone Top Dome Top Flat Top
OPTIONS	☐ GFI ☐ PIR ☐ 180HSS ☐ 270HSS	Receptacle Box with Cover for GFCI Outlet (outlet by others) Passive Infrared Motion Sensor (120v-277v only) 180° Houseside Shield 270° Houseside Shield
VOLTAGE	☐ UNV	Universal Voltage (120v-277v) (50/60Hz); constant current dimmable driver
HEIGHT	☐ 30 ☐ 42 ☐ CH	30" Overall Height 42" Overall Height Custom Height - Consult Factory
FINISH	☐ BLK ☐ BRZ ☐ GRY ☐ SIL ☐ VGN ☐ WHT ☐ CC	Black Bronze Grey Silver Verde Green White Custom Color - Consult Factory

Allure bollard is IDA Dark Sky Approved when utilized with either 3000K LED module or 590nm Amber LED module



content of specification sheet is subject to change.
N60 W14592 Kaul Avenue P 877 965 0005
Menomonee Falls, WI 53051 intrigueled.com
Aug-21



3 B BOLLARD CONCRETE BASE CATALOGUE SHEETS

2 B BOLLARD CATALOGUE SHEET

-NTS

-NTS

DISCLAIMER AND COPYRIGHT

CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED.

TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.

BENCHMARKS

TBM1 - ELEVATION 185.80
CUT CROSS ON NORTHWEST CORNER OF SOUTHWEST CORNER OF HURON STREET AND ELGIN STREET.

TBM2 - ELEVATION 186.56
CUT CROSS ON NORTHWEST CORNER OF CURB ISLAND LOCATED IN PROPERTY SOUTHWEST OF SUBJECT LANDS.

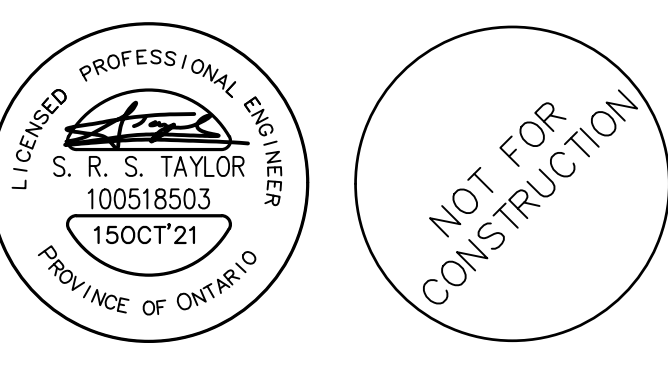
NOTES

ALL DIMENSIONS, ELEVATIONS AND SIZES ARE IN METRIC UNITS UNLESS INDICATED. PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED. ELEVATIONS ARE IN METRES UNLESS INDICATED.

SURVEY COMPLETED BY VAN HARTEN SURVEYING INC., DATED APRIL 4, 2021.

SERVICING AS PER CROZIER AND ASSOCIATES FUNCTIONAL SERVICING AND STORMWATER MANAGEMENT REPORT DATED JULY 2013.

No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP
1.	FIRST SUBMISSION	OCT 2021	

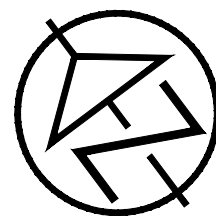


CIDERY TOWNS TOWN OF THE BLUE MOUNTAINS

LIGHTING DETAILS - SHEET 3



DESIGN: RJW	FILE: 21058P	DWG:
DRAWN: RJW	DATE: SEPT 2020	E3.4
CHECK: SRT	SCALE: N/A	



Luminaire Schedule						
Symbol	Label	Arrangement	Arr. Watts	Lumens	LLF	Description
	L1	SINGLE	40	4842	0.900	HL-40W-III-S-B1U0G1-HSS-2x60D
	B	SINGLE	41.2	242	0.900	AR-6-B-21LED-3K

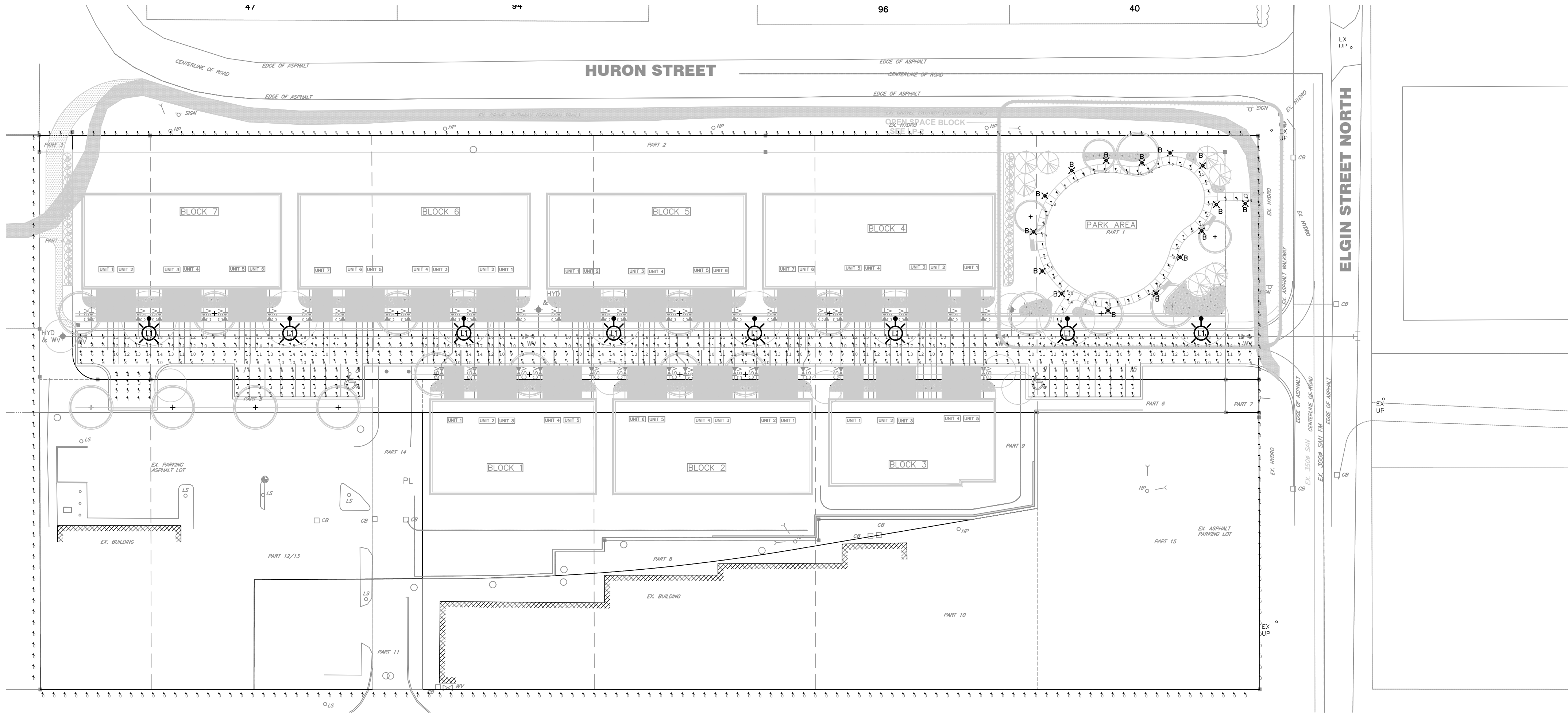
1
E4.1
-NTS

LUMINAIRE SCHEDULE

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
01 Road	Illuminance	Lux	10.8	19	4	2.7
02 Parking 1	Illuminance	Lux	3.7	7	2	1.9
02 Parking 2	Illuminance	Lux	3.6	6	2	1.8
02 Parking 3	Illuminance	Lux	2.6	5	1	2.6
03 Pathway 1	Illuminance	Lux	8.9	31	1	8.9
03 Pathway 2	Illuminance	Lux	13.0	34	2	6.5
09 Property Line East	Illuminance	Lux	0.9	7	0	N.A.
09 Property Line North	Illuminance	Lux	0.0	0	0	N.A.
09 Property Line South	Illuminance	Lux	0.0	0	0	N.A.
09 Property Line West	Illuminance	Lux	0.0	0	0	N.A.

2
E4.1
-NTS

LIGHT LEVEL CALCULATION SUMMARY



3
E4.1
- SCALE 1:500

ELECTRICAL SITE PLAN – PHOTOMETRIC LAYOUT (UNITS SHOWN IN LUX)

DISCLAIMER AND COPYRIGHT

CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED.

TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.

BENCHMARKS

TBM1 – ELEVATION 185.80
CUT CROSS ON SIDEWALK LOCATED AT SOUTHWEST CORNER OF HURON STREET AND ELGIN STREET.

TBM2 – ELEVATION 186.56
CUT CROSS ON NORTHWEST CORNER OF CURB ISLAND LOCATED IN PROPERTY SOUTHWEST OF SUBJECT LANDS.

NOTES

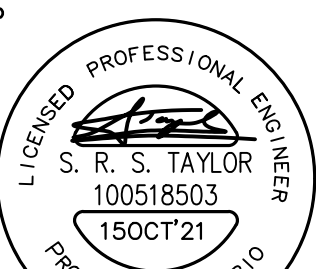
ALL DIMENSIONS, ELEVATIONS AND SIZES ARE IN METRIC UNITS UNLESS INDICATED. PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED. ELEVATIONS ARE IN METRES UNLESS INDICATED.

SURVEY COMPLETED BY VAN HARTEN SURVEYING INC., DATED APRIL 4, 2021.

SERVICING AS PER CROZIER AND ASSOCIATES FUNCTIONAL SERVICING AND STORMWATER MANAGEMENT REPORT DATED JULY 2013.

No.	REVISION DESCRIPTION	DATE
1.	FIRST SUBMISSION	OCT 2021

ENGINEER STAMP



CIDERY TOWNS TOWN OF THE BLUE MOUNTAINS	
SITE PLAN - PHOTOMETRIC LAYOUT	



DESIGN: RJW	FILE: 21058P	E4.1
DRAWN: RJW	DATE: SEPT 2020	
CHECK: SRT	SCALE: 1:500	