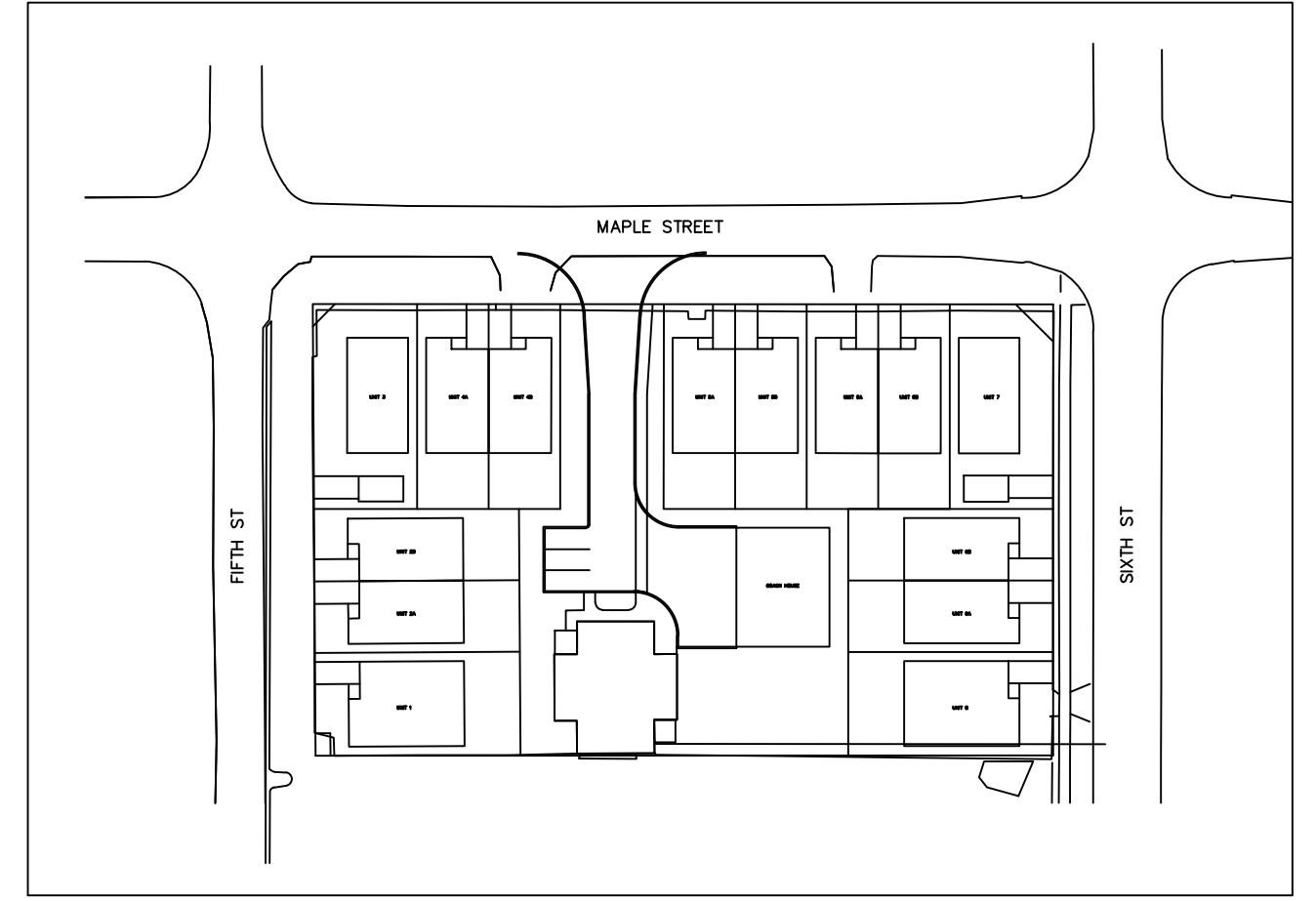


PRIMARY CABLE DESCRIPTION	INSTALLATION
(PC01) FUTURE PRIMARY FEEDER CABLES: 10#1/0 AWG Cu CLASS B STRANDED, 15kV RATED, TRXLPE, 100% CONCENTRIC NEUTRAL, IN UNDERGROUND DUCTBANK, COMPLIES WITH CSA C68.3, LATEST ISSUE.	2-103mmØ TYPE DB2 DIRECT BURIED DUCT(S) (1-SPARE) WITH SAND BEDDING ALL AROUND.
(PC02) 3Ø#4/0, AL TYPE USE90, CLASS 'B' STRANDED, 600V RATED, 2-CONDUCTOR + 100% NEUTRAL, XLPE INSULATION PVC JACKET	1-103mmØ TYPE DB2 DIRECT BURIED DUCT(S) WITH SAND BEDDING ALL AROUND.

2 SINGLE LINE DIAGRAM - 120/240V  
E1 - NTS

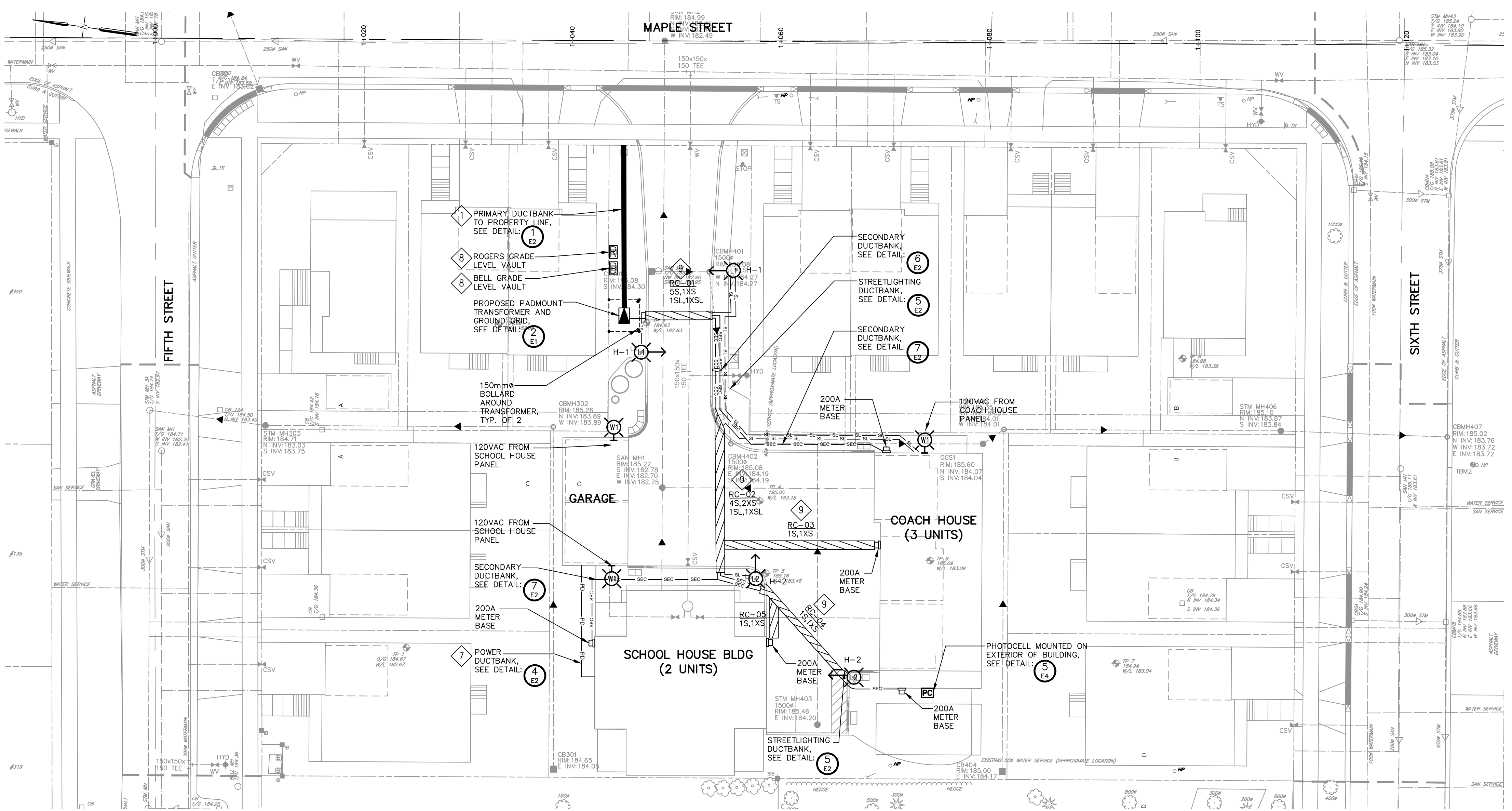


KEYPLAN N.T.S

### ELECTRICAL LEGEND

- DIRECTION OF LUMINAIRE
- PROPOSED POST TOP AREA LIGHT
- BACK LIGHT SHIELD
- PROPOSED WALL MOUNTED LUMINAIRE
- PAD MOUNT TRANSFORMER
- ROGERS GRADE LEVEL PEDESTAL
- BELL GRADE LEVEL PEDESTAL
- 1S, 1XS, 1SL, 1XSL, 1P, 1XP
- EXAMPLE OF PROPOSED UNDERGROUND ROAD CROSSINGS, DUCT BANK (TYPE DB2) FOR ELECTRICAL CABLES AS FOLLOWS:
  - 1P = ONE PRIMARY DUCT
  - 1XP = ONE PRIMARY SPARE DUCT
  - 1S = ONE SECONDARY DUCT
  - 1XS = ONE SECONDARY SPARE DUCT
  - 1SL = ONE STREET LIGHT DUCT
  - 1XSL = ONE STREET LIGHT SPARE DUCT
  - 2C = TWO COMMUNICATIONS DUCT
- PROPOSED PRIMARY ELECTRICAL SERVICE DUCTBANK
- PROPOSED SECONDARY ELECTRICAL SERVICE CABLES
- PROPOSED STREET LIGHT CABLE(S) AND 53mmØ CONDUIT (PVC TYPE DB2), TRENCH BY ELECTRICAL CONTRACTOR.
- PROPOSED POWER SERVICE DUCTBANK.
- 200A METER BASE

- ### NOTES:
- ALL PRIMARY AND SECONDARY CABLE TERMINATIONS INSIDE EACH TRANSFORMER WILL BE PERFORMED BY EPCOR.
  - ELECTRICAL SERVICE TO EACH UNIT: 200AMP MAX., 120/240VAC, 1-PHASE, 60Hz.
  - ALL EQUIPMENT AND CABLES TO BE OWNED AND OPERATED BY EPCOR.
  - SECONDARY CABLES TO INCLUDE CONCRETE ENCASE AND 103mmØ TYPE DB2 DUCT FOR EACH CABLE AT ALL ROAD CROSSINGS.
  - REFER TO EPCOR GENERAL CONTRACTOR INFORMATION, AS PROVIDED ON THEIR WEBSITE: [www.epcor.com](http://www.epcor.com)
  - CONTRACTOR TO COORDINATE CONNECTION OF DUCTBANK AT PROPERTY LIMITS WITH EPCOR.
  - CONTRACTOR TO PROVIDE POWER FEED FROM SCHOOL HOUSE BUILDING TO GARAGE BUILDING FOR LIGHTING AND EXTERIOR POWER LOADS.
  - COMMUNICATION VAULTS SHOWN FOR SITE PLAN APPROVAL LOCATIONS ONLY. CONTRACTOR TO COORDINATE WITH COMMUNICATIONS PROVIDERS FINAL LOCATION.
  - ROAD CROSSING DO NOT INCLUDE COMMUNICATION DUCTBANKS. CONTRACTOR TO COORDINATE WITH BOTH COMMUNICATION PROVIDERS DUCTBANK REQUIREMENTS.



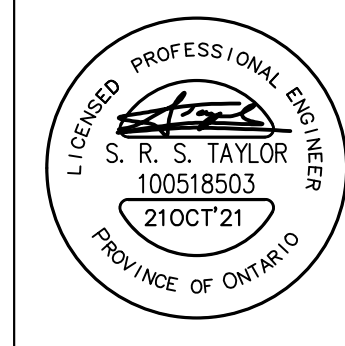
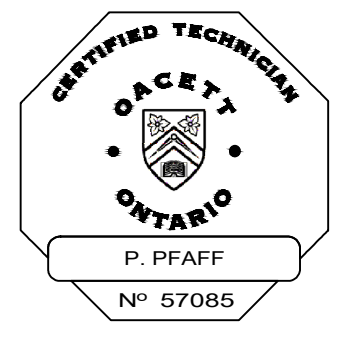
1 ELECTRICAL SITE PLAN - ELECTRICAL POWER LAYOUT  
E1 - SCALE 1:250. DIMENSIONS SHOWN IN MILLIMETERS (mm).

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2. The contractor shall verify all dimensions, levels, and datums on site and report any discrepancies or omissions to this office prior to construction.  
3. This drawing is to be read and understood in conjunction with all other plans and documents applicable to this project.



**ACCEPTED FOR CONSTRUCTION EPCOR**

per .....  
Date: .....



No.	ISSUE OR REVISION	DATE DD/MM/YY	ISSUER
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5	THIRD SUBMISSION TO TOWN	21/10/21	SRT



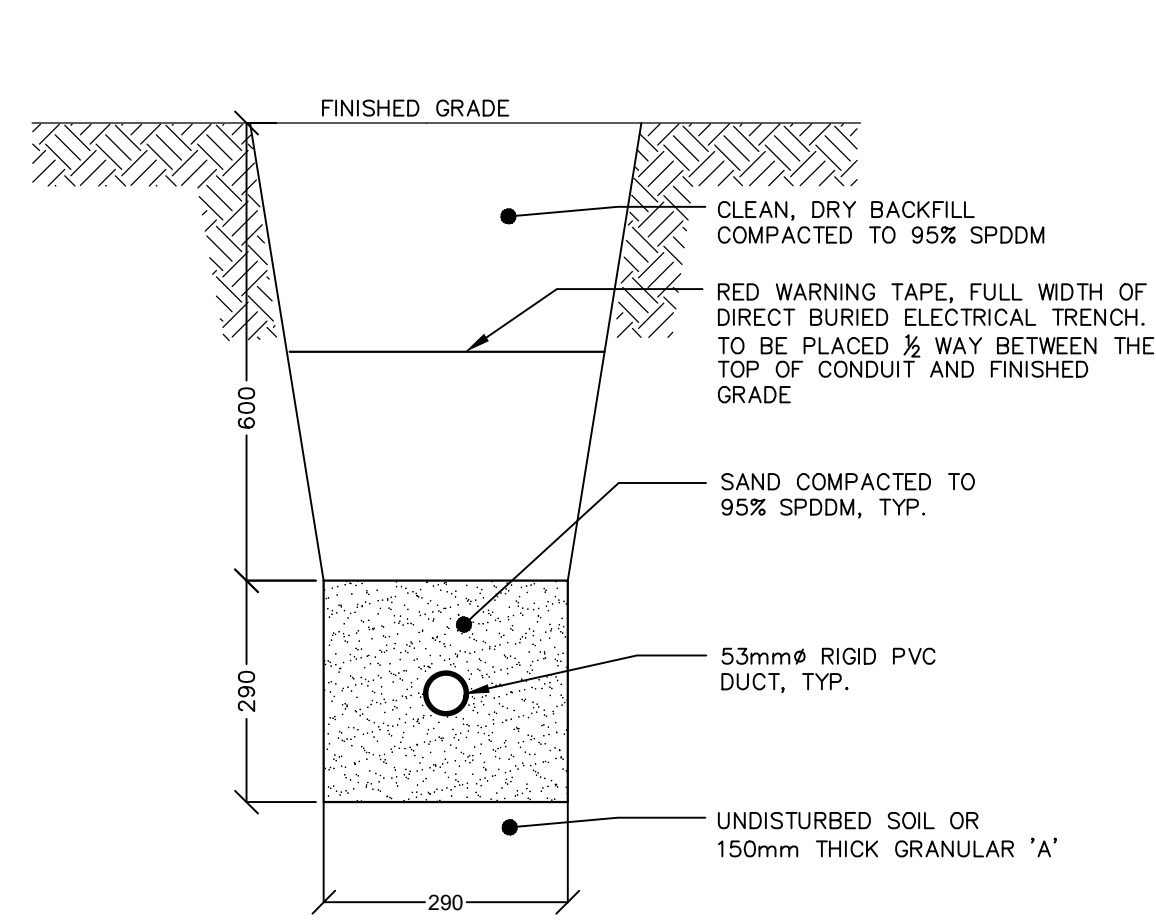
Client: VICTORIA ANNEX DEVELOPMENT

Project Name: VICTORIA ANNEX DEVELOPMENT TOWN OF COLLINGWOOD ONTARIO

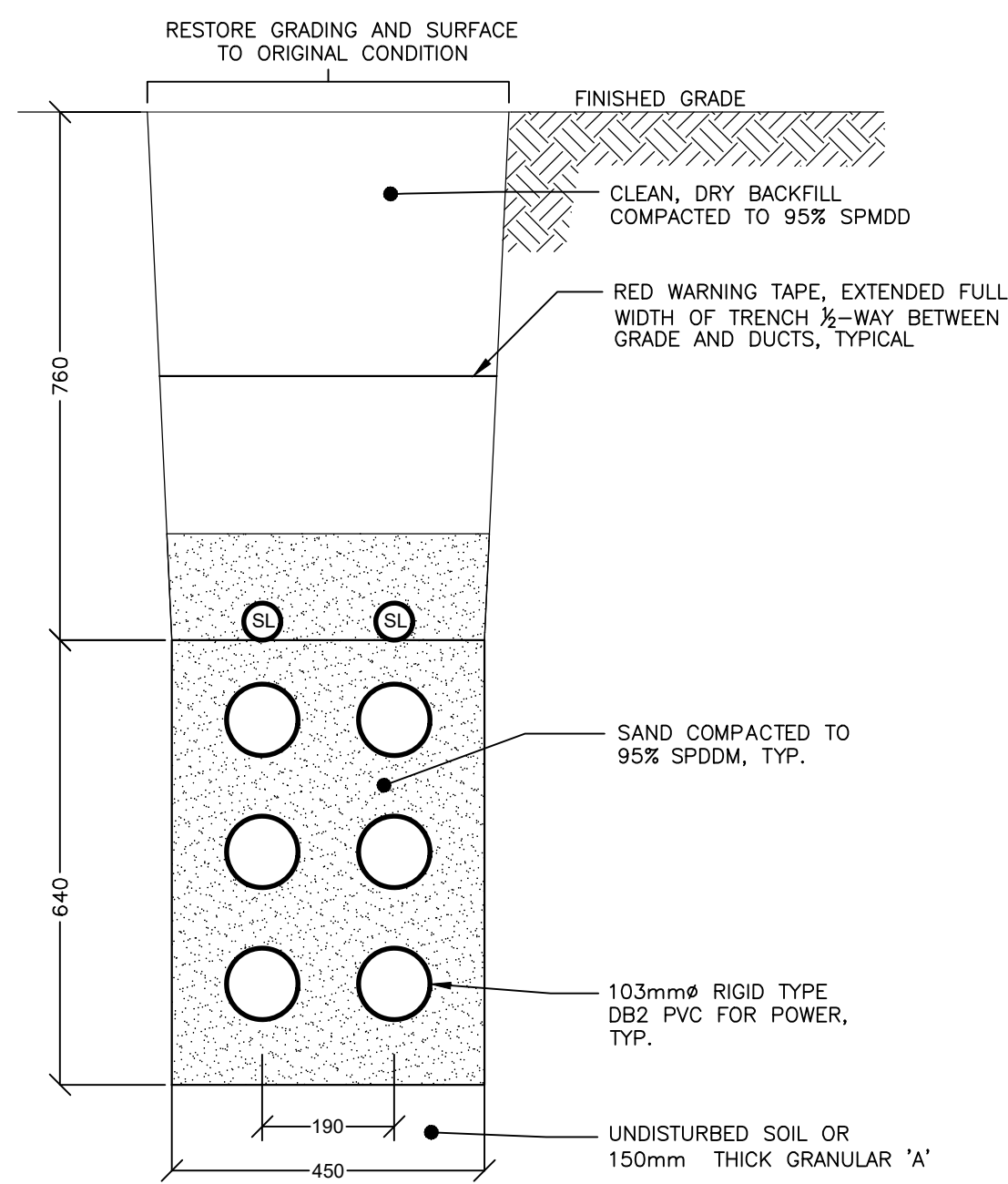
Drawing Title: SITE PLAN ELECTRICAL & LIGHTING LAYOUT

Drawn By: RJW  
Checked By: GGR  
Scale: Project No. 20159P

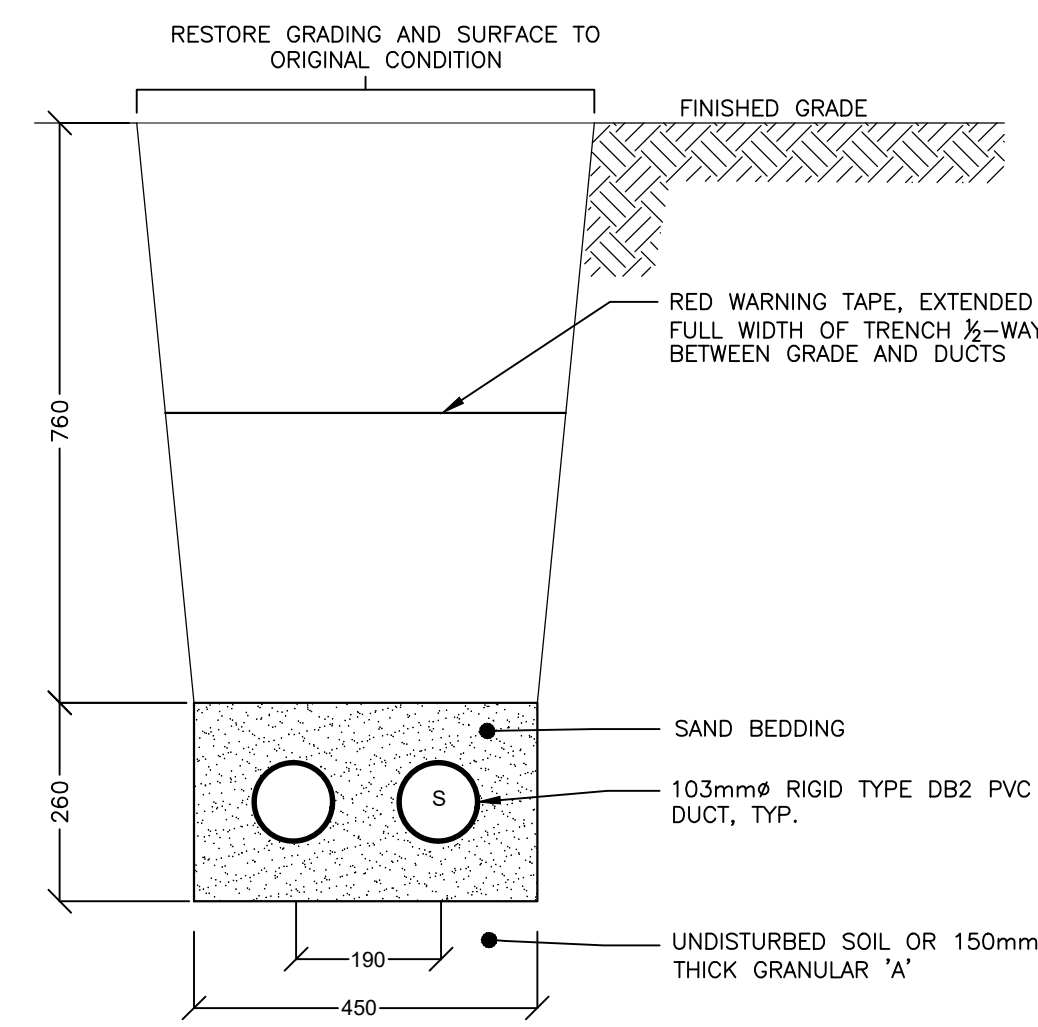
Drawing No. E1



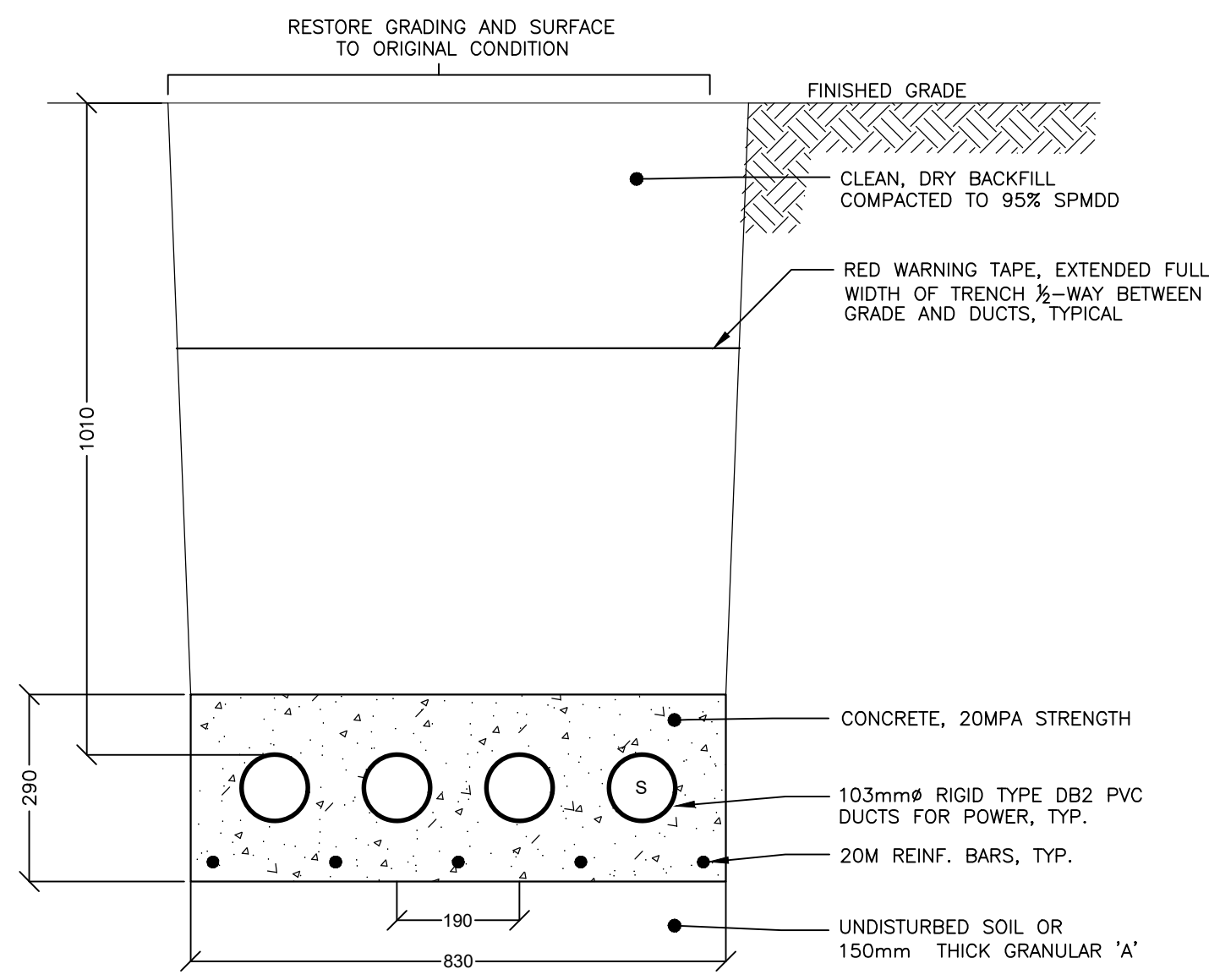
5 LIGHTING AND POWER DUCTBANK  
- NTS 1



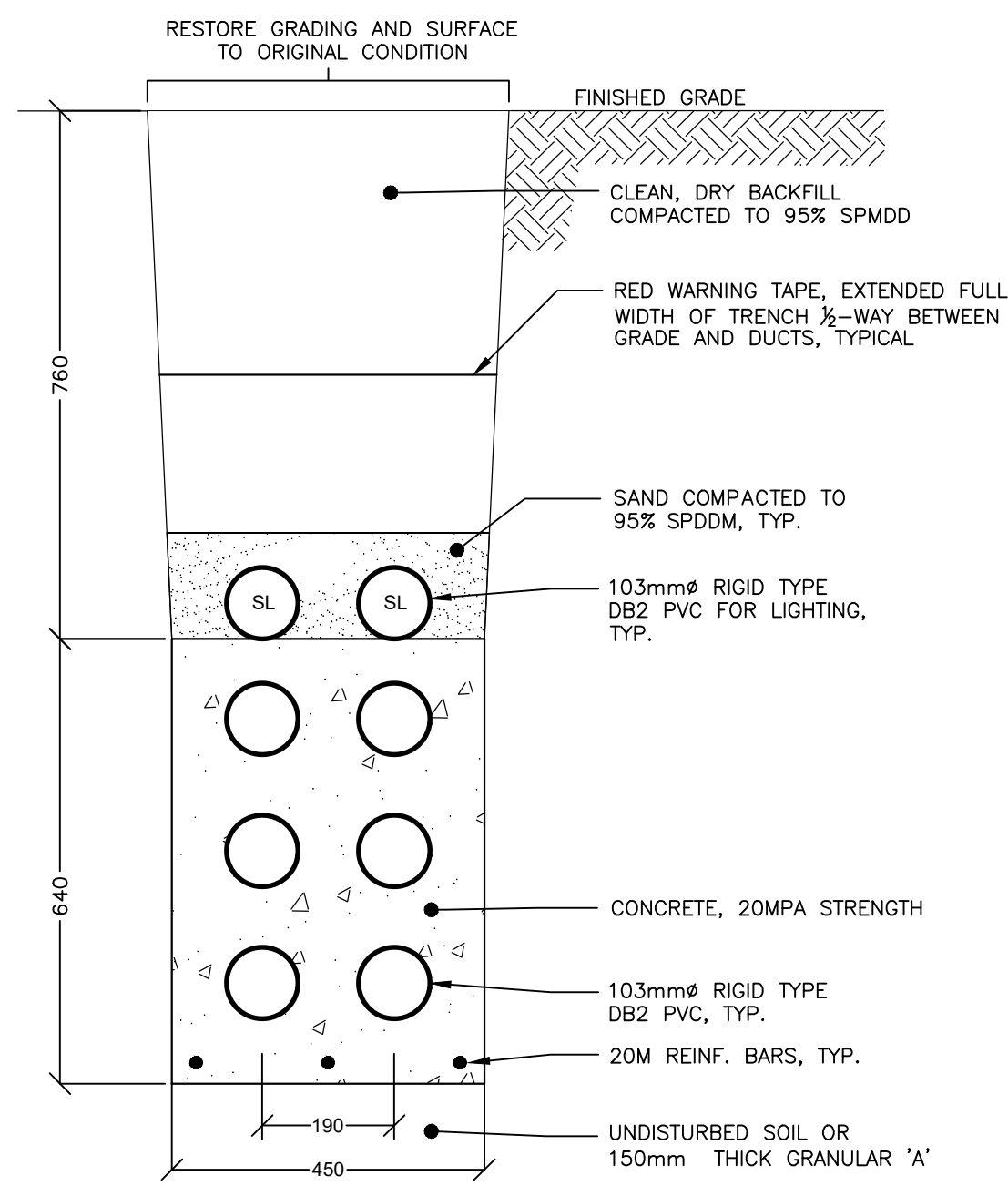
6 SECONDARY DUCTBANK  
- NTS 1



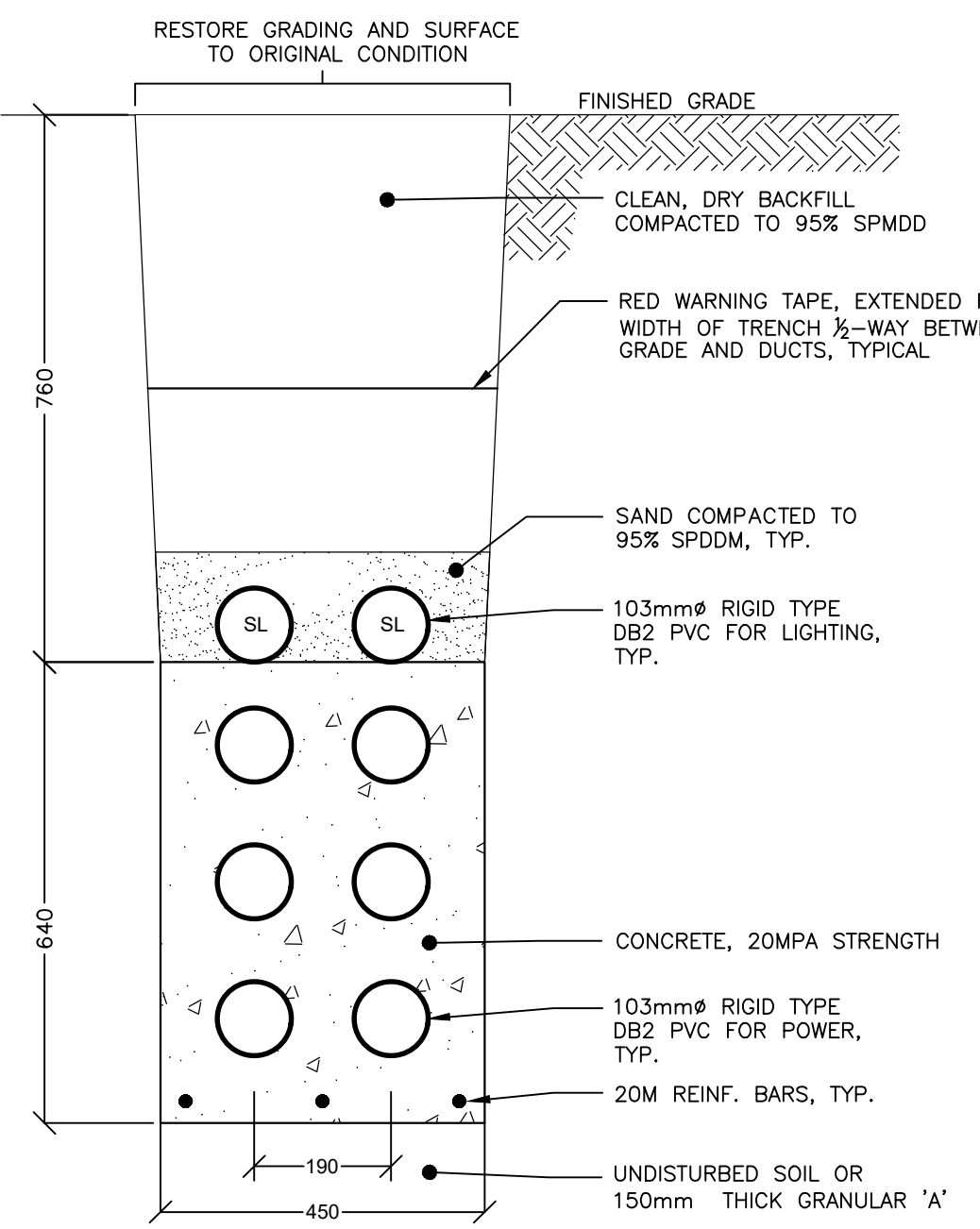
7 SECONDARY DUCTBANK  
- NTS 1



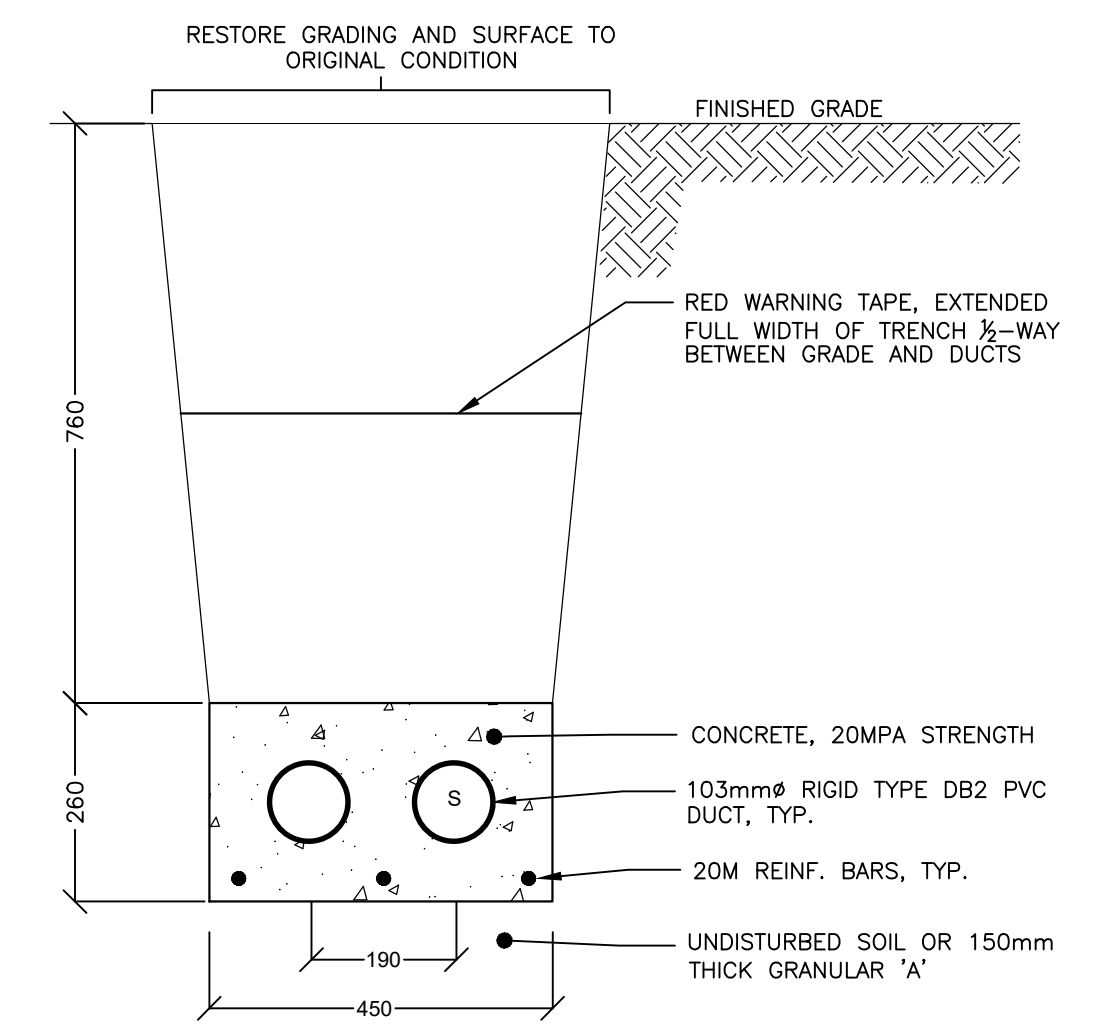
1 PRIMARY & COMMUNICATION DUCTBANK  
- NTS 1



2 RC-01 ROAD CROSSING DUCTBANK  
- NTS 1

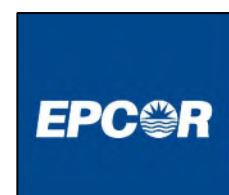


3 RC-02 ROAD CROSSING DUCTBANK  
- NTS 1



4 RC-03, RC-04 & RC-05 ROAD CROSSING DUCTBANK  
- NTS 1

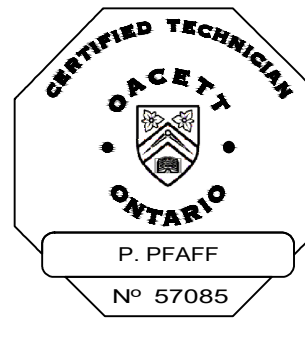
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43 Stewart Road,  
Collingwood, Ontario  
L9Y 3Z5

ACCEPTED FOR  
CONSTRUCTION  
EPCOR

per .....  
Date: .....



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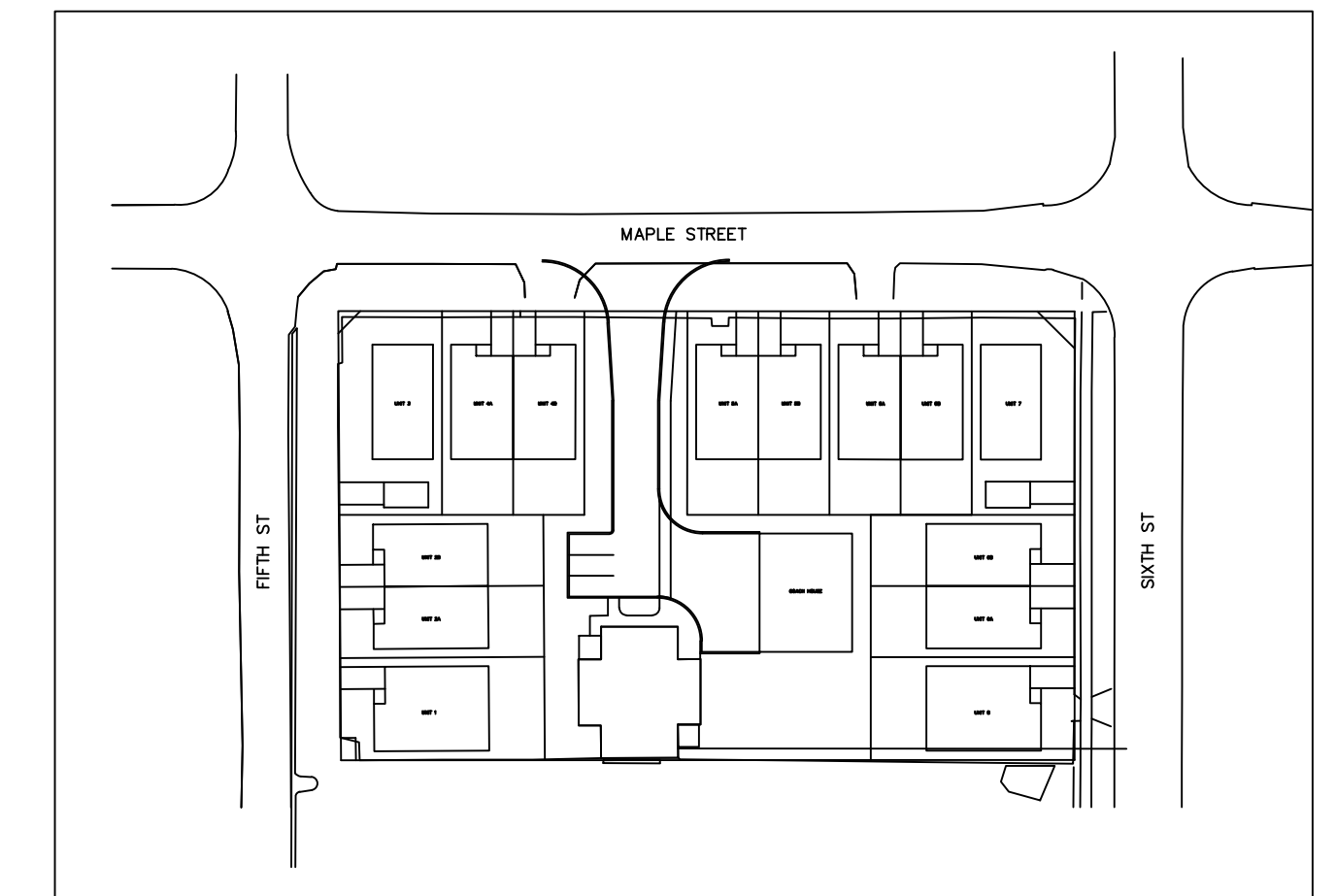
Runge & Associates Inc.  
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P.O. Box 387  
Collingwood, ON L9Y 3Z7  
t: (705) 446-3590  
f: (705) 446-3588  
www.raengineers.ca

Client  
VICTORIA ANNEX DEVELOPMENT

Project Name  
VICTORIA ANNEX DEVELOPMENT  
TOWN OF COLLINGWOOD  
ONTARIO

Drawing Title  
DUCTBANK DETAILS &  
STREETLIGHT POWER PEDESTAL

Drawn By: RJW  
Checked By: GGR  
Project No.: 20158P  
Drawing No.: E2

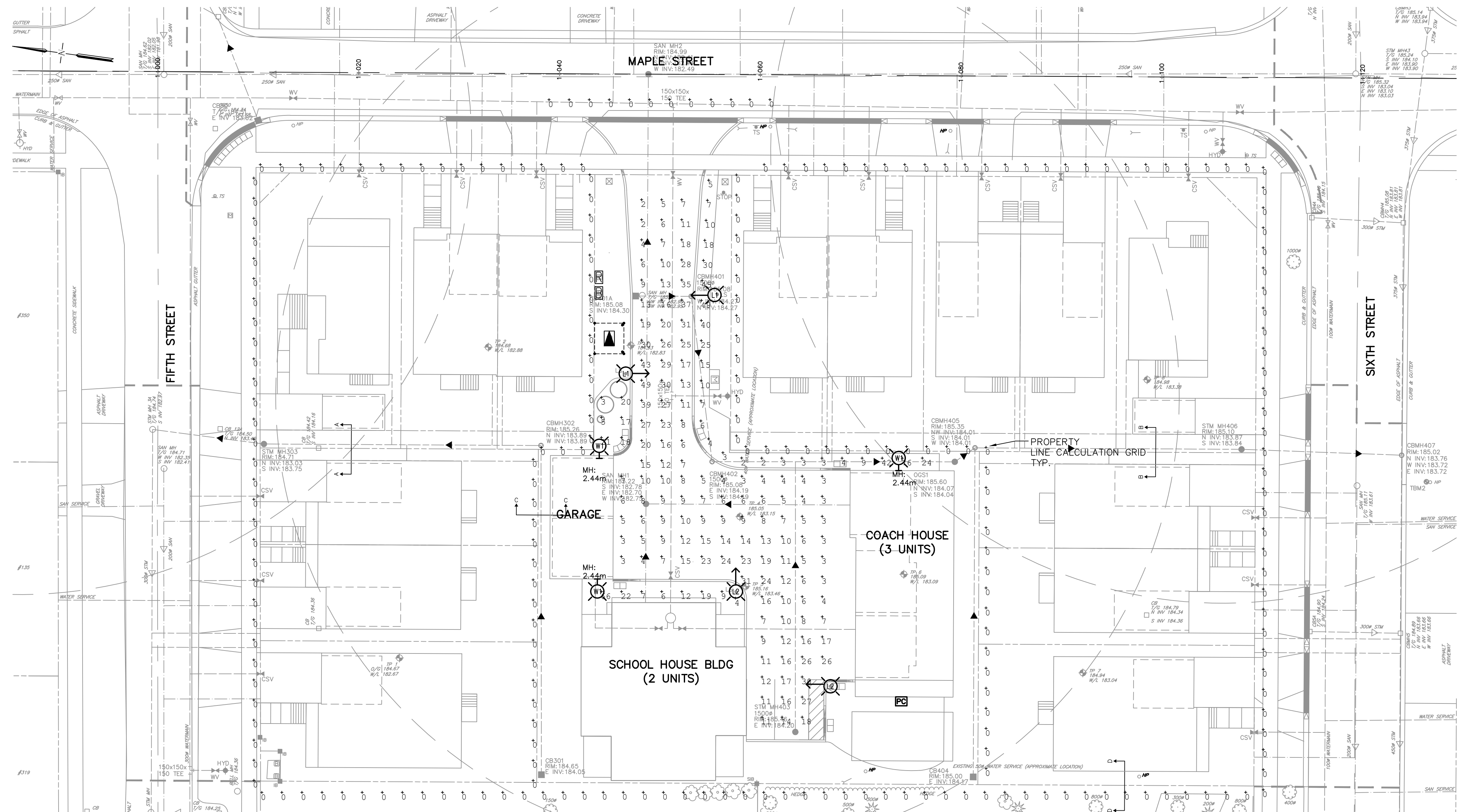


KEYPLAN n.t.s

Luminaire Schedule								
Symbol	Qty	Label	Arr.	Watts	lumens	LLF	Description	BUG Rating
	2	L1	SINGLE	36	3500	0.870	HCI-36LED-II-M--4-HSS-2x60D	B1-U0-G1
	2	L2	SINGLE	36	3090	0.870	HCI-36LED-IV-S-4-HSS-2x60D	B0-U0-G1
	3	W1	SINGLE	19	2649	0.435	SWP-2L-U-40-BRZ	B1-U0-G0

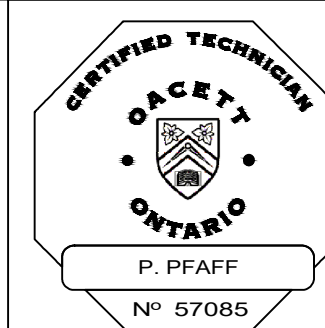
  

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	
01 Entrance	Illuminance	Lux	0.0	0	0	N.A.	
01 Entrance Road	Illuminance	Lux	18.4	49	2	9.2	
02 Parking	Illuminance	Lux	10.4	31	3	3.5	
03 Sidewalk 1	Illuminance	Lux	17.7	76	2	8.8	
03 Sidewalk 2	Illuminance	Lux	18.1	66	4	4.5	
04 Property Line East	Illuminance	Lux	0.0	0	0	N.A.	
04 Property Line Overall	Illuminance	Lux	0.0	0	0	N.A.	
04 Property Line West	Illuminance	Lux	0.0	0	0	N.A.	
05 Garbage Collection Area	Illuminance	Lux	14.0	21	3	4.7	



**1** ELECTRICAL SITE PLAN - PHOTOMETRIC LAYOUT  
 E3 - SCALE 1:250. DIMENSIONS SHOWN IN MILLIMETERS (mm).

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Client: VICTORIA ANNEX DEVELOPMENT

Project Name: VICTORIA ANNEX DEVELOPMENT  
 TOWN OF COLLINGWOOD  
 ONTARIO  
 Drawing Title: LIGHTING PHOTOMETRICS  
 LAYOUT

Drawn By: RJW  
 Scale: 1:250  
 Checked By: GGR  
 Project No.: 20159P  
 Drawing No.: E3

