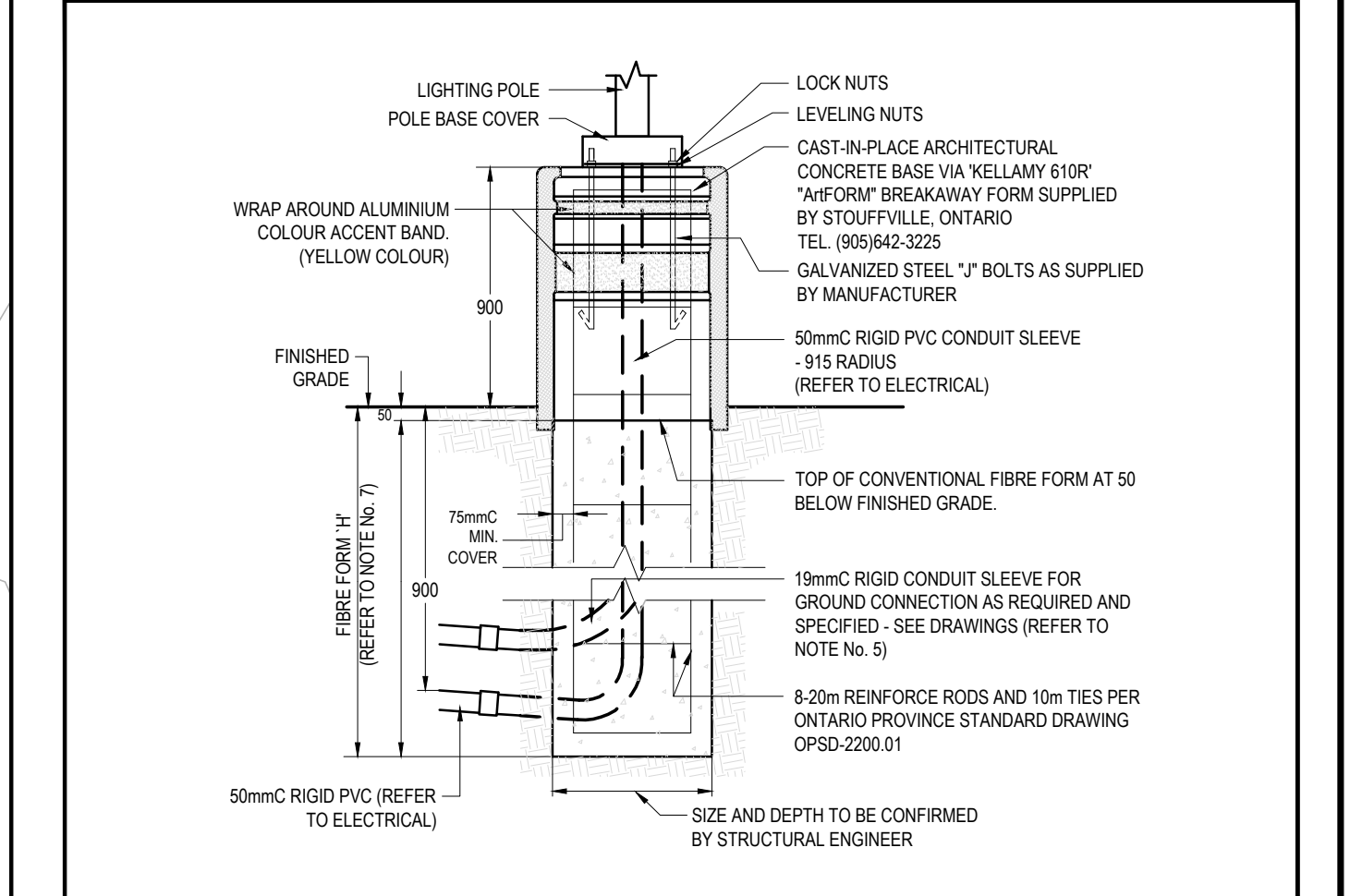


2 VICINITY MAP
 ES-1 SCALE: N.T.S.



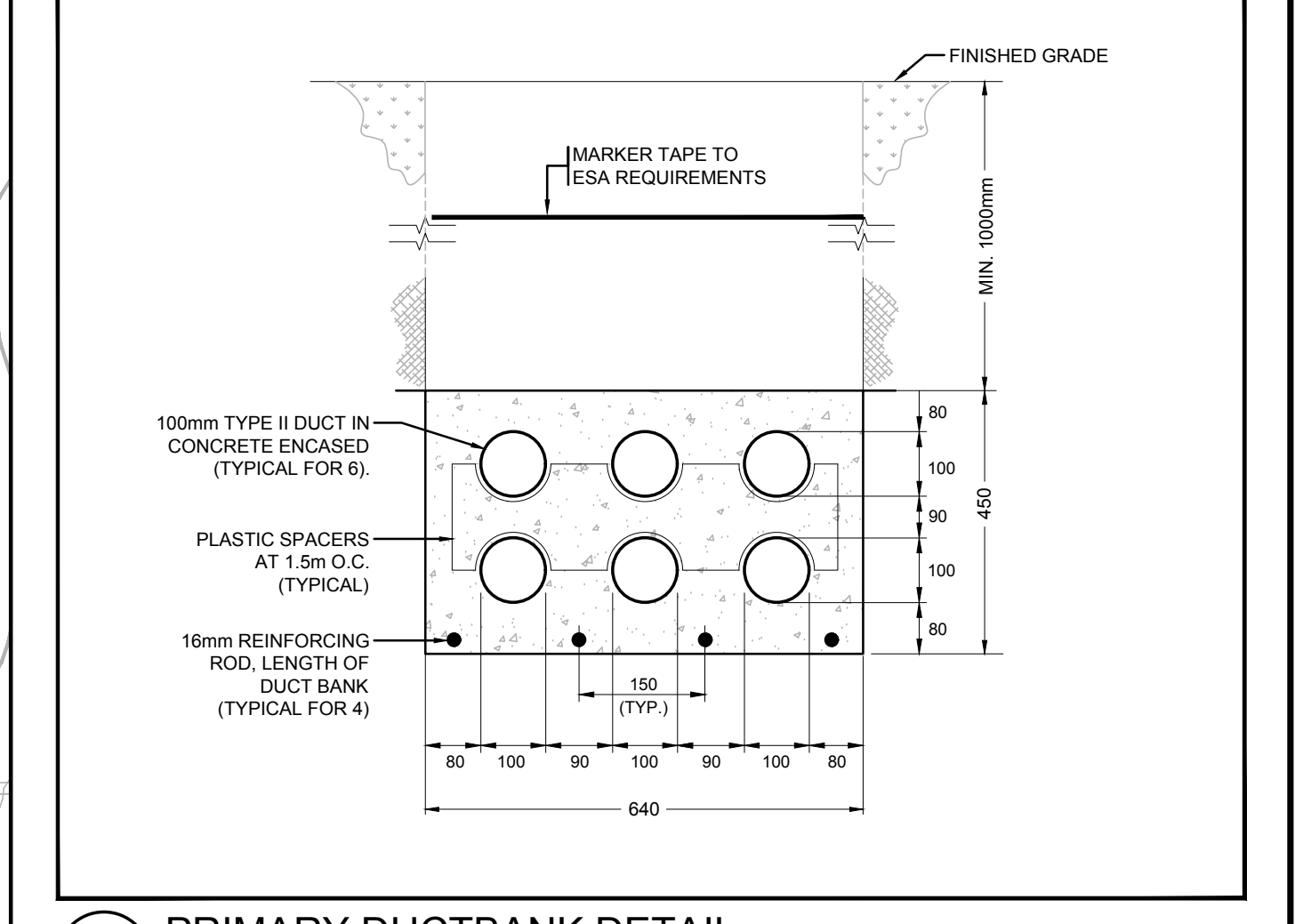
NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES OR METRES.
- TOP OF FOUNDATION SHALL BE FINISHED GRADE.
- CLASS OF CONCRETE SHALL BE 25MPa CONCRETE SHALL BE VIBRATED.
- MINIMUM OF TWO REBARS REQUIRED FOR EACH CONCRETE FOUNDATION UNLESS OTHERWISE SHOWN.
- PROVIDE A 19mm DIA. 300mm STEEL COPPER COATED GROUND ROD ADJACENT TO POLES AS SPECIFIED ON PLAN AND CONNECT TO METAL POLE WITH BARE COPPER CONDUCTOR.
- CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES. CONTRACTOR TO PROVIDE STRUCTURAL ENGINEER APPROVAL FOR BASE REGION.
- SUBJECT TO SOIL CONDITIONS, REFER TO SOIL REPORT.
- FORM RELEASE AGENT HAS BEEN FACTORY-APPLIED TO THESE SURFACES OF "YESFORM".

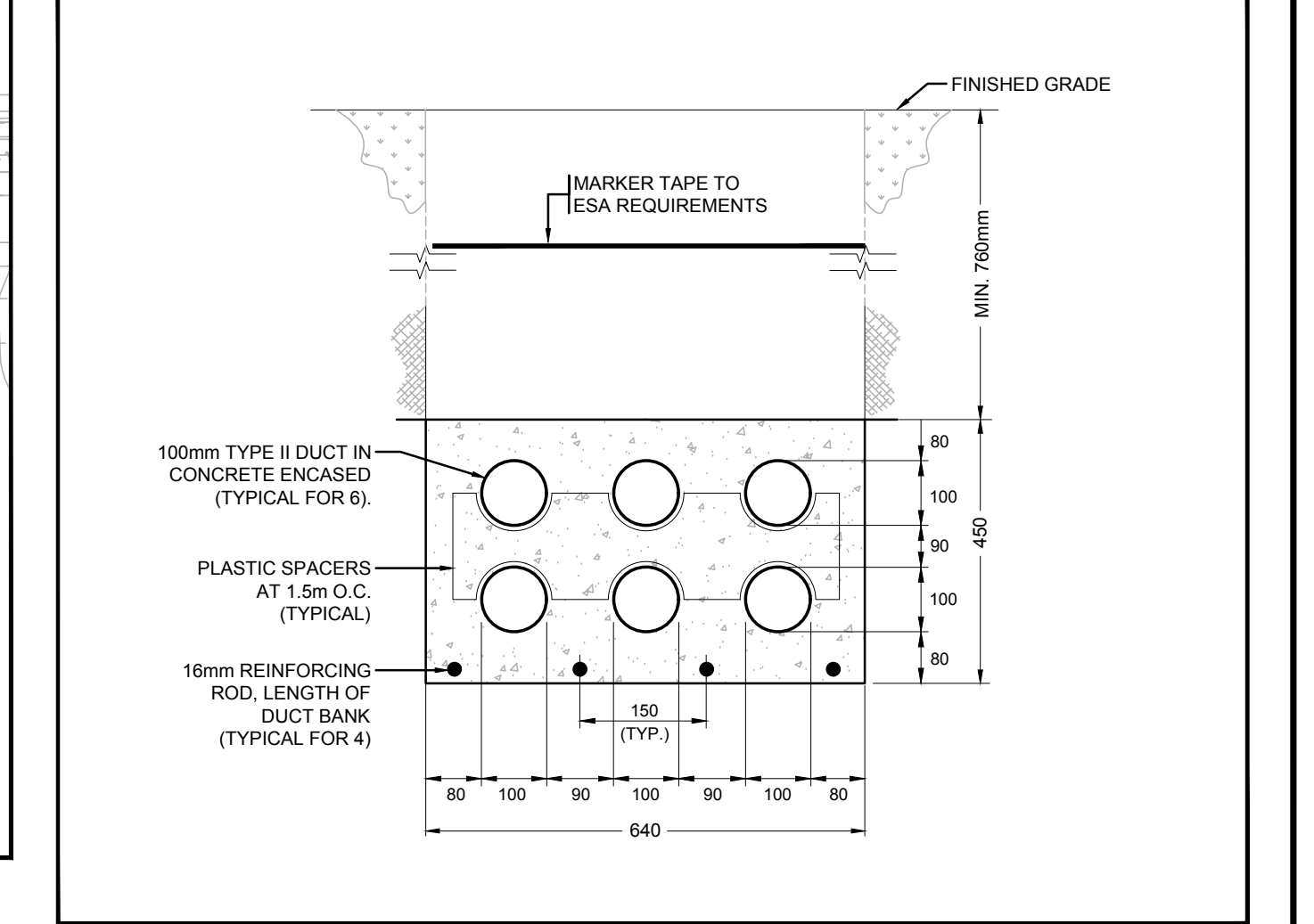
POLE LENGTH (mm)	BASE BURIAL DEPTH (mm)	REIN. ROD LENGTH (mm)
3125	150	135
3675	215	200
4225	215	200
4775	215	200
5325	245	230
5875	280	245
6425	275	240
6975	280	275
7525	330	238

NOTE:
 CONCRETE BASES FOR LUMINAIRES TO BE SUPPLIED AND INSTALLED BY THIS ELECTRICAL CONTRACTOR.

3 TYPICAL CONCRETE POLE BASE FOR LUMINAIRE
 ES-1 SCALE: N.T.S.



3 PRIMARY DUCTBANK DETAIL
 ES-1 SCALE: N.T.S.

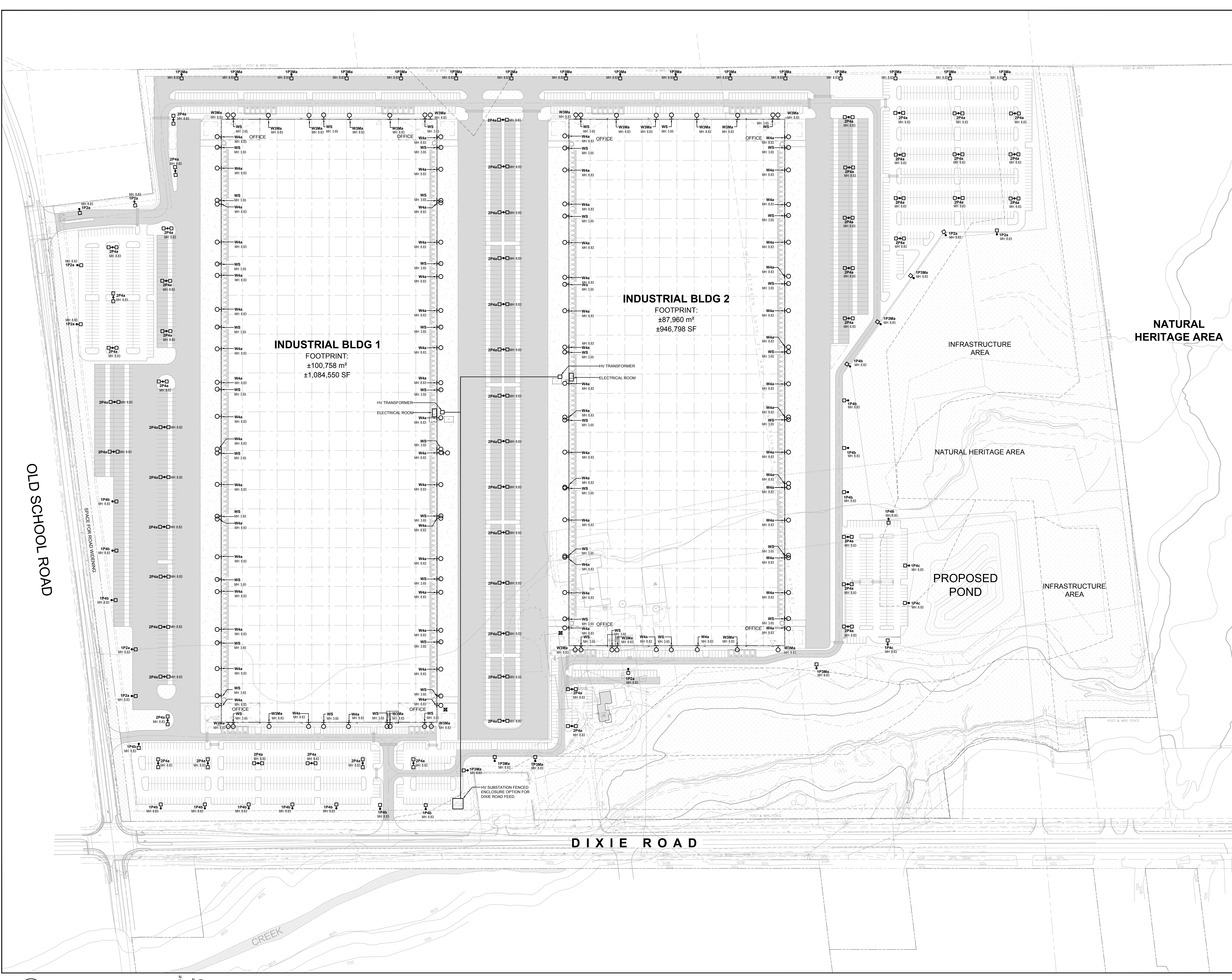


4 TELEPHONE/DATA+CATV+EV DUCTBANK DETAIL
 ES-1 SCALE: N.T.S.

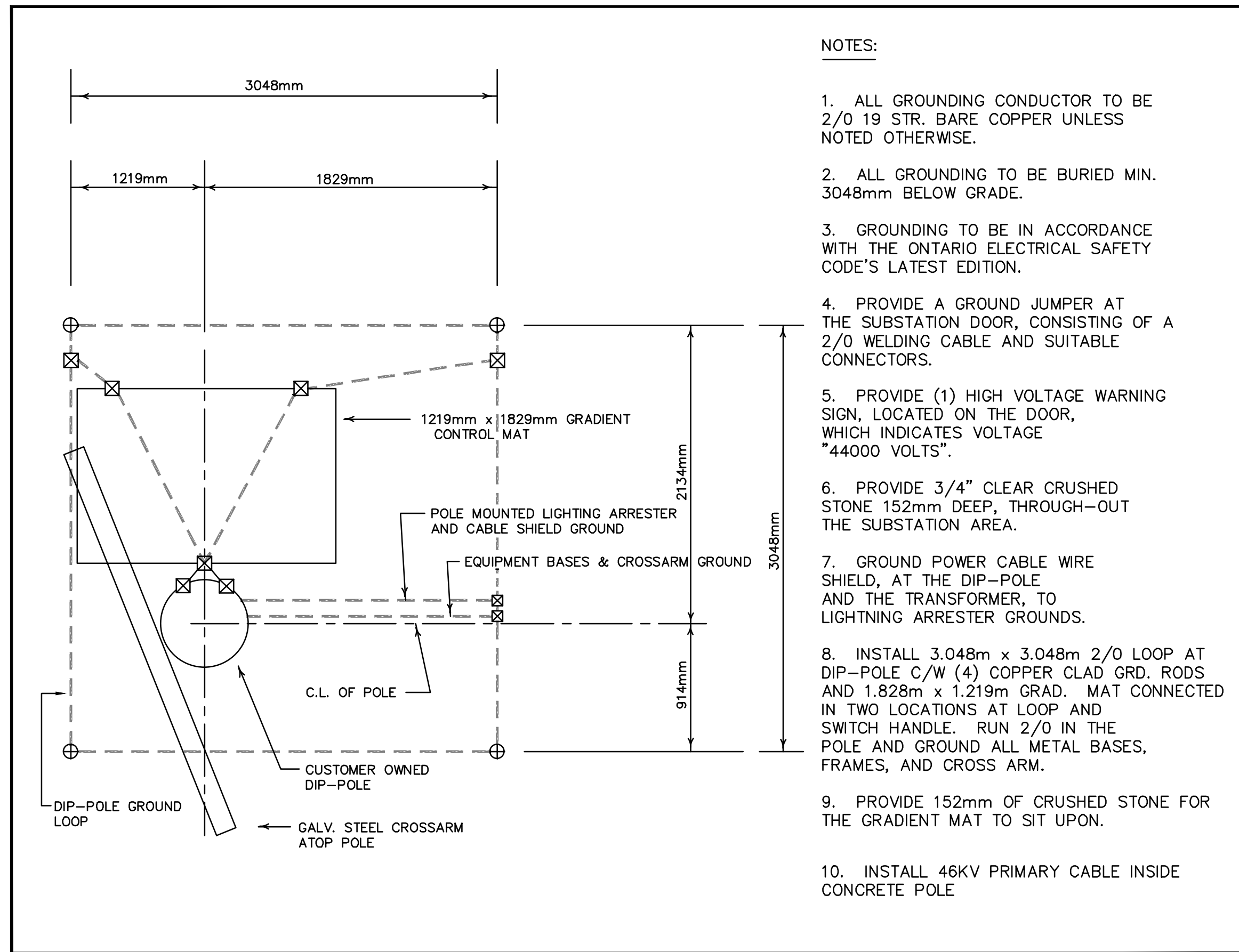
Luminaire Schedule - BB Model

Tag	Symbol	Qty	Description	LLF	Luminaire Lumens	Luminaire watts	LA/W
1P2a	+	10	US Architectural Volume VLL-FLD-4-222W-6LED-875mA-40K-XXX-1-XXX-HS-400K, (MH: 291 AFF) Complete with Internal House Side Shield.	0.870	21828	221.5	99
1P3Ma	+	22	US Architectural Volume VLL-FLD-B-M-222W-80LED-875mA-40K-XXX-1-XXX-HS-400K, (MH: 291 AFF) Complete with Internal House Side Shield.	0.870	22984	221.5	100
1P4b	+	17	US Architectural Volume VLL-FLD-IV-F1-222W-80LED-875mA-40K-XXX-1-XXX-HS-400K, (MH: 291 AFF).	0.870	21557	221.5	97
1P4c	+	3	US Architectural Volume VLL-FLD-IV-F1-222W-80LED-875mA-40K-XXX-1-XXX-400K, (MH: 291 AFF).	0.870	21456	221.5	124
2P4a	+	58	US Architectural Volume VLL-FLD-IV-F1-222W-80LED-875mA-40K-XXX-1-XXX-400K, (MH: 291 AFF).	0.870	21456	221.5	124
W3Ma	+	20	US Architectural Volume VLL-FLD-B-M-222W-80LED-875mA-40K-XXX-WM-XXX-400K, (MH: 291 AFF), Complete with Wall Mount Bracket.	0.870	30389	221.5	137
W4b	+	28	US Architectural Volume VLL-FLD-IV-F1-222W-80LED-875mA-40K-XXX-WM-XXX-400K, (MH: 291 AFF), Complete with Wall Mount Bracket.	0.870	21456	221.5	124
WS	+	48	US Architectural - Raster Wall Mount - R85-WM1-FLD-B-M-2XLED-300mA-40K-XXX-40K-400K, Wall Mounted Light Mounted Over Door, (MH: 1291 AFF).	0.870	3240	21.4	152

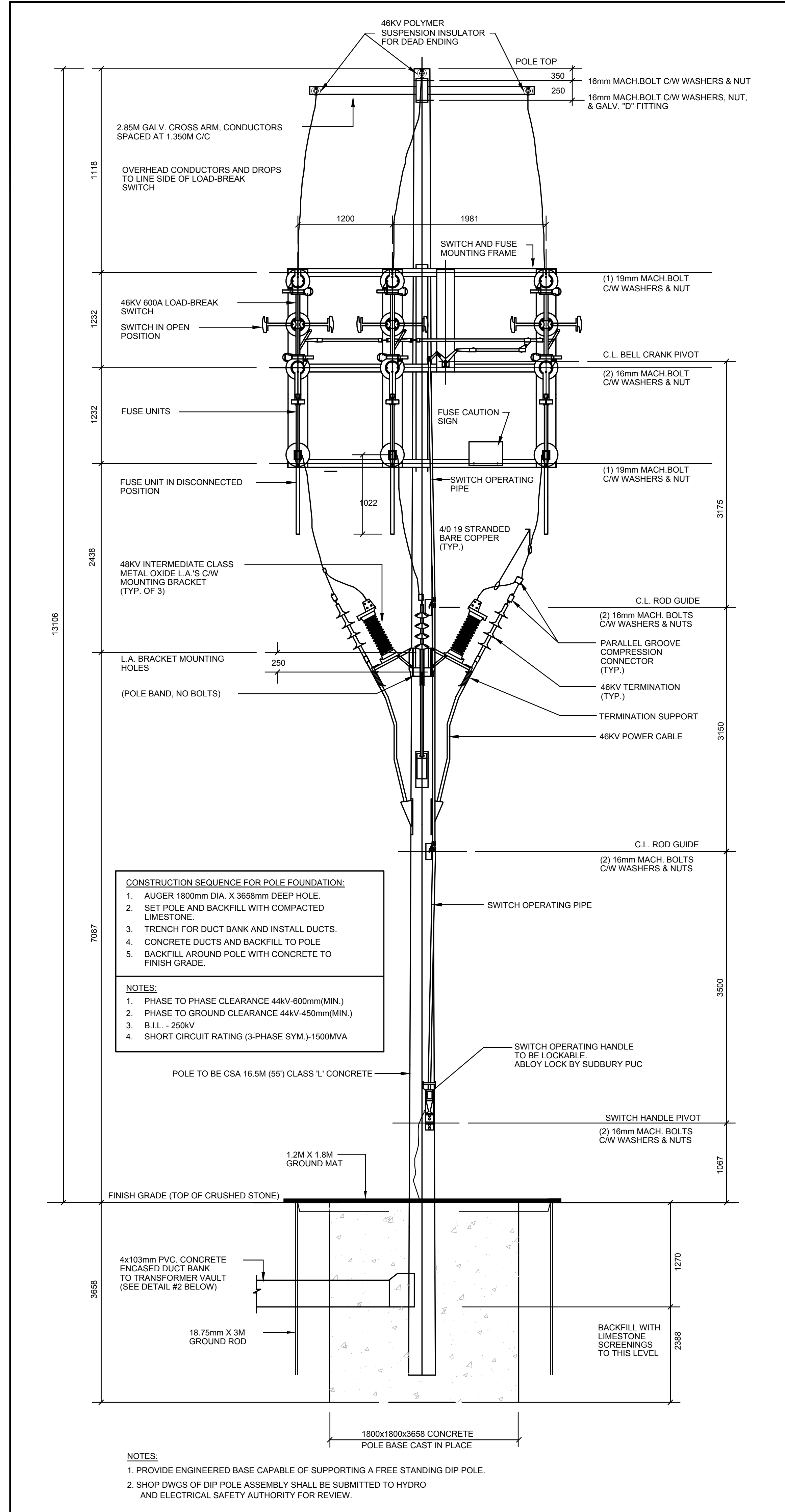
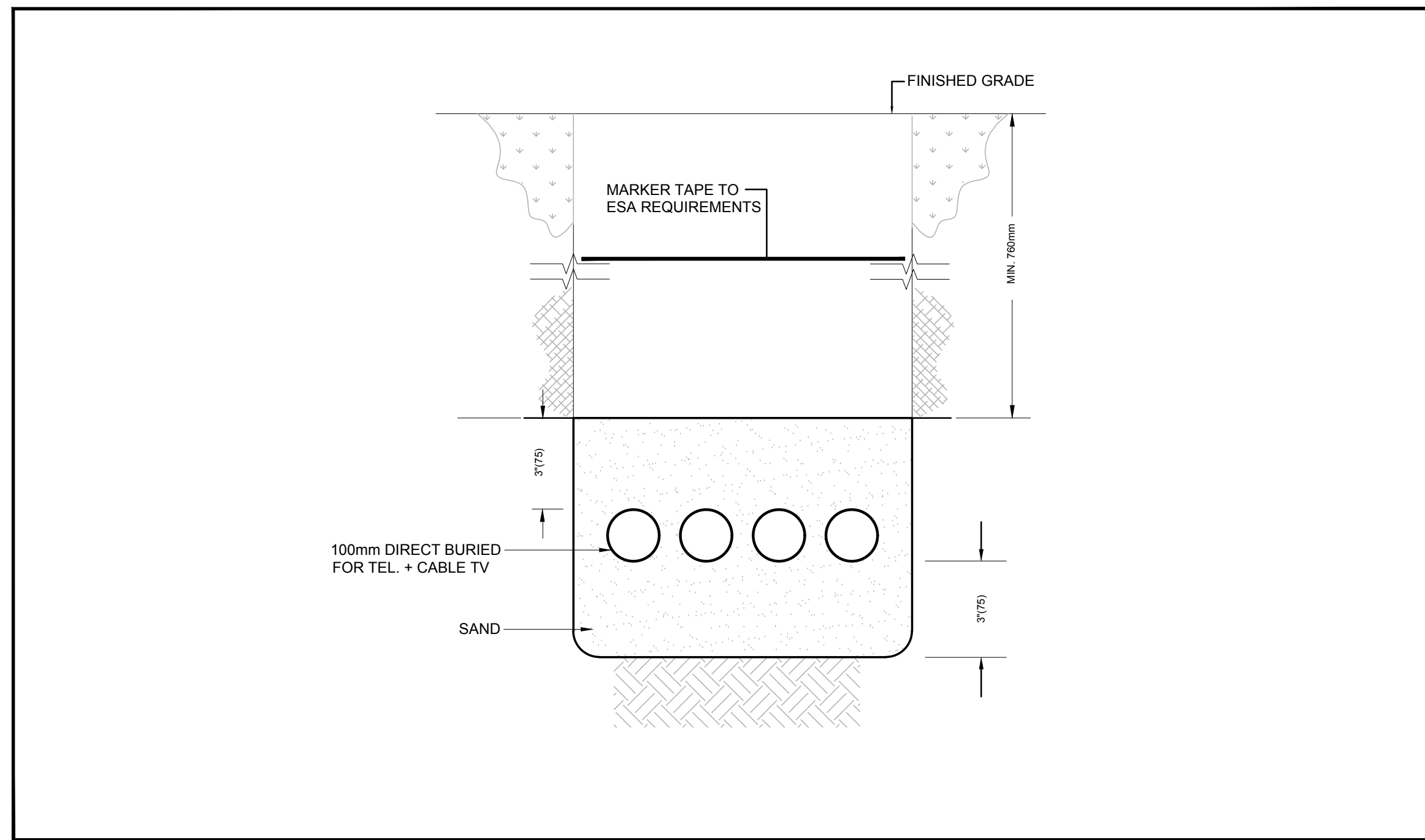
LUMINAIRE SCHEDULE NOTES:
 1. FINISH TO BE CONFIRMED WITH ARCHITECT PRIOR TO ORDER.
 2. ALL LUMINAIRES TO BE DARK-BY-COMPLANT AND BIRD-FRIENDLY.



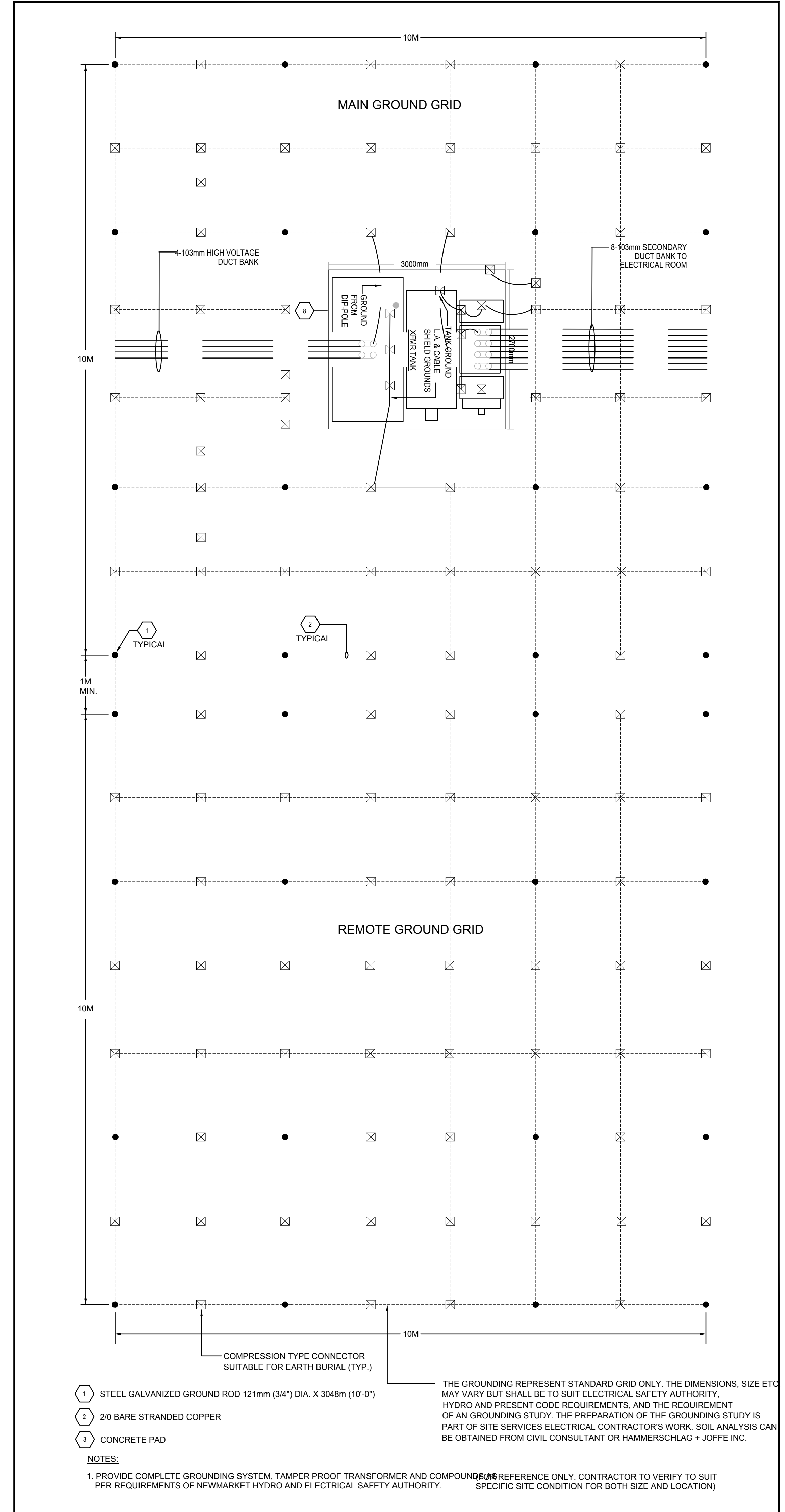
1 ELECTRICAL SITE PLAN
 ES-1 SCALE: 1:1200



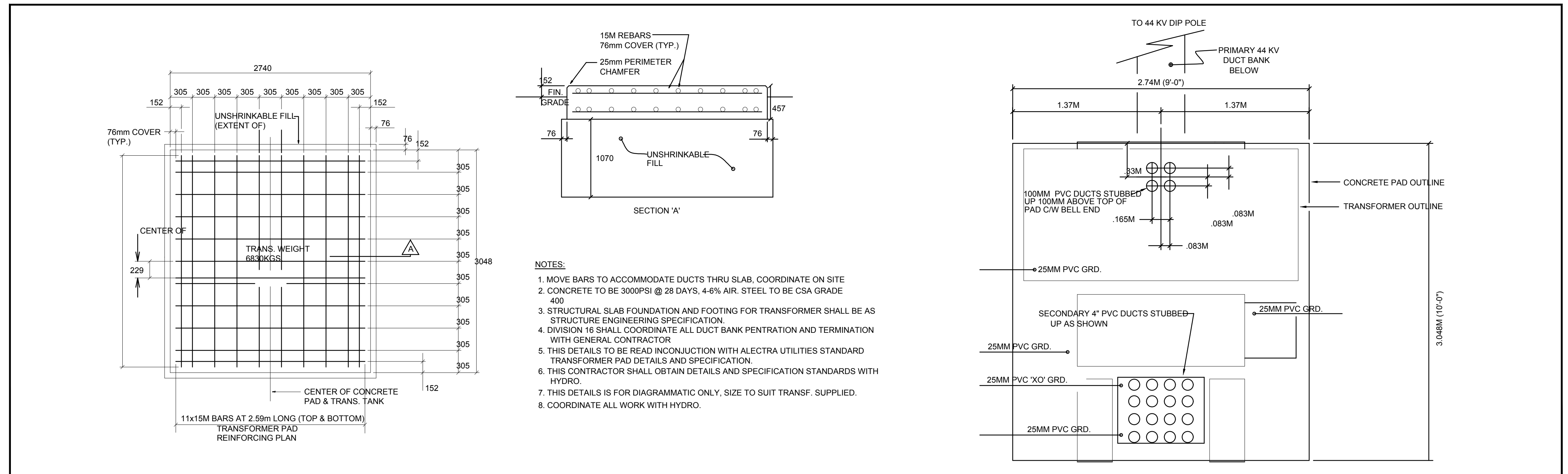
5 DIP POLE GROUND
ES-2 SCALE: N.T.S.



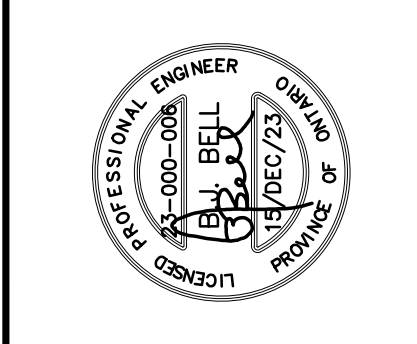
1 EXISTING 44KV. CONCRETE DIP POLE
ES-2 SCALE: N.T.S.



2 OUTDOOR TRANSFORMER GROUNDING
ES-2 SCALE: N.T.S.



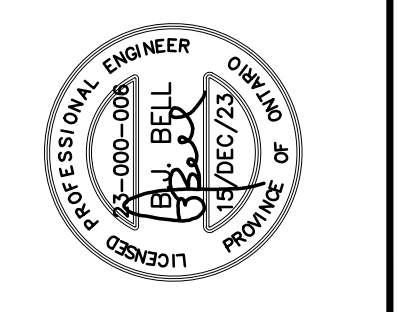
3 TRANSFORMER FOUNDATION
ES-2 SCALE: N.T.S.



ELECTRICAL DETAILS

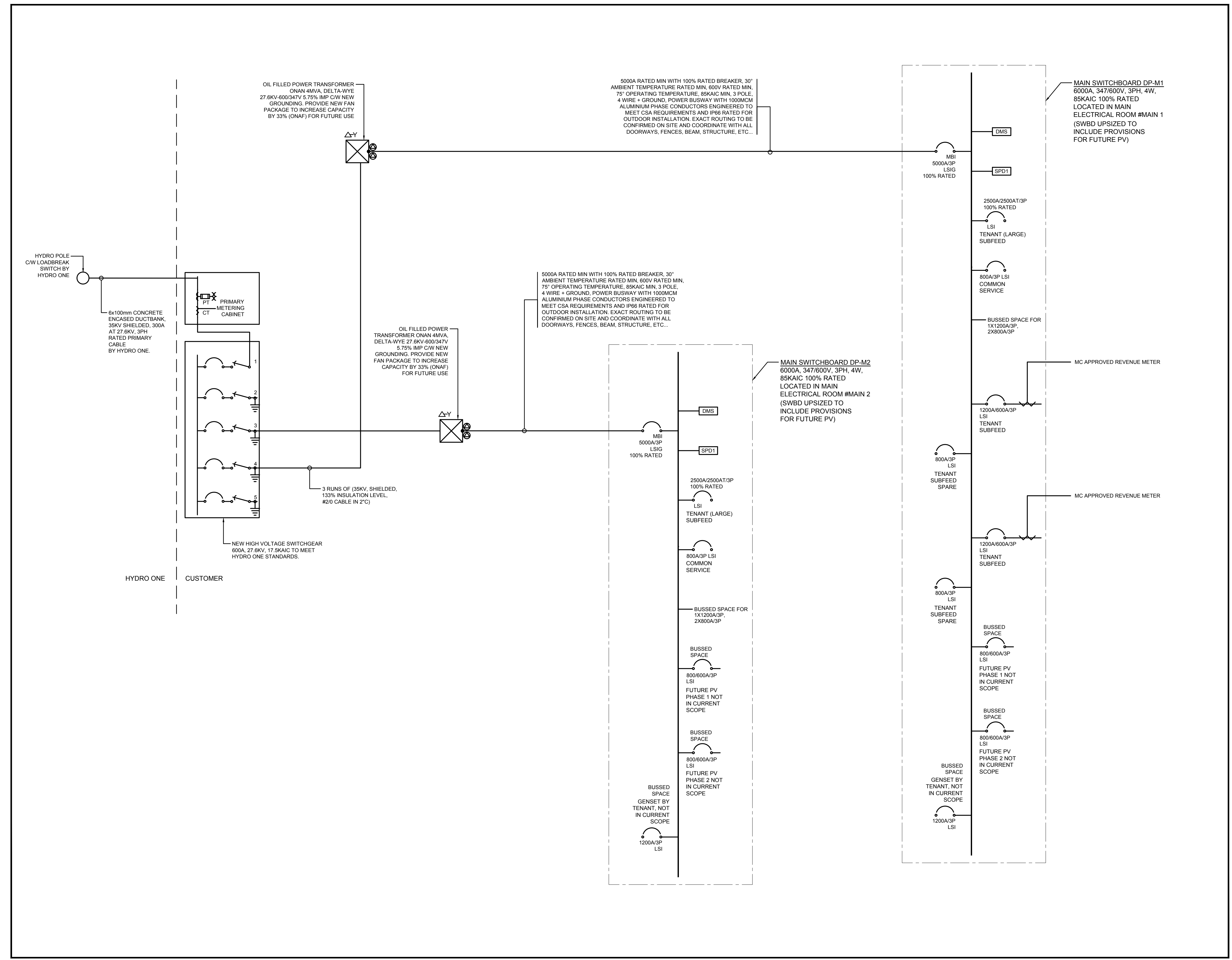
DATE	ISSUED FOR	REVISIONS
1 DEC/15/2023	ISSUED FOR SPA	
2		
3		
4		
5		
6		
7		
8		

PA / PM: JWBB
DRAWN BY: MT
JOB NO.: 23-000-006

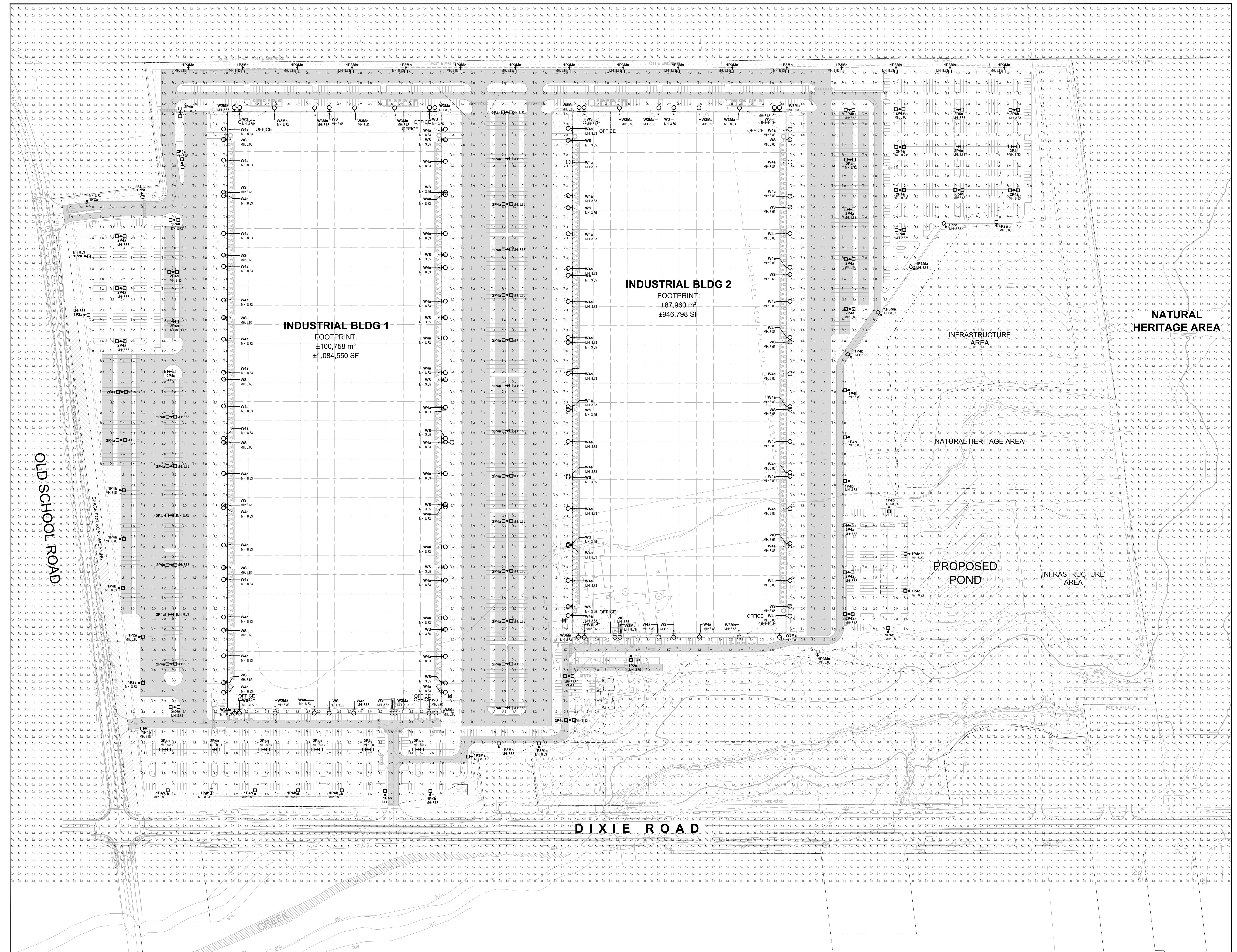


ELECTRICAL SINGLE LINE DISTRIBUTION DIAGRAM		
REVISIONS		
NO.	DATE	DESCRIPTION
1	DEC/15/2023	ISSUED FOR SPA
2		
3		
4		
5		
6		
7		
8		

PA / PM:	JW/BB
DRAWN BY:	MT
JOB NO.:	23-000-006



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INDUSTRIAL BLDG 1
FOOTPRINT:
±1,084,550 SF

INDUSTRIAL BLDG 2
FOOTPRINT:
±87,960 m²
±946,798 SF

NATURAL HERITAGE AREA

PROPOSED POND

DIXIE ROAD

1 ELECTRICAL SITE PLAN - PHOTOMETRIC
SCALE: 1:1200

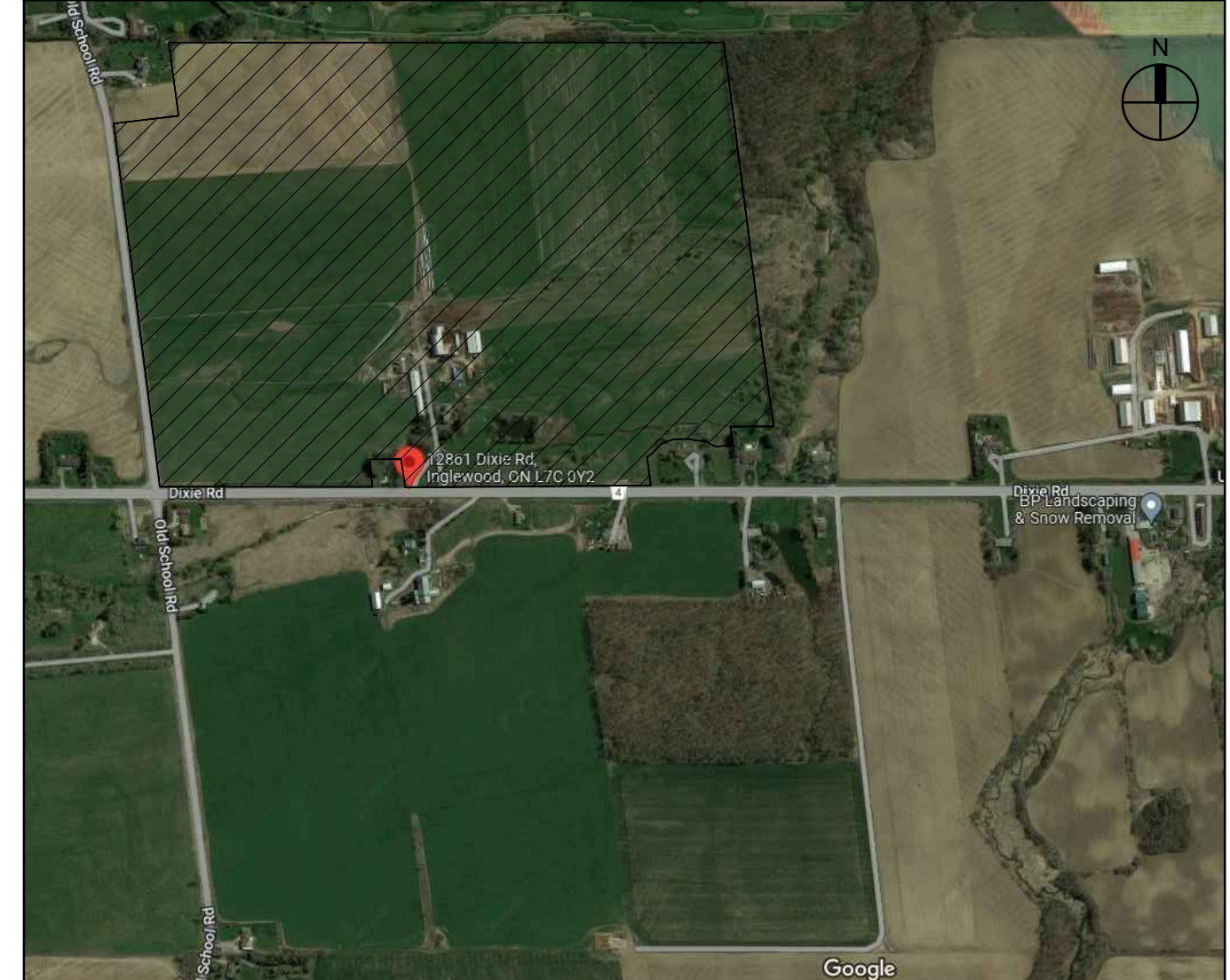
Calculation Summary

Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Natural Heritage Spill Light	Fc	0.03	3.3	0.0	N.A.	N.A.
Overall Site plan	Fc	2.15	9.9	0.5	4.30	19.80
Spill Lighting	Fc	0.00	0.6	0.0	N.A.	N.A.

Luminaire Schedule - BB Model

Tag	Symbol	Qty	Description	LF	Luminaire Lumens	Luminaire watt	LAV/W
IP2a	+	10	US Architecture VolLume VLL-PIED-222W-80LED-875mA-40K-100X1-100X45-4000K (MH: 2991 AFF) Complete with Internal Home Side Shields.	0.870	21628	221.5	99
IP3a	+	22	US Architecture VolLume VLL-PIED-222W-80LED-875mA-40K-100X1-100X45-4000K (MH: 2991 AFF) Complete with Internal Home Side Shields.	0.870	20984	221.5	100
IP4b	+	17	US Architecture VolLume VLL-PIED-222W-80LED-875mA-40K-100X1-100X45-4000K (MH: 2991 AFF).	0.870	21557	221.5	97
IP4c	+	3	US Architecture VolLume VLL-PIED-222W-80LED-875mA-40K-100X1-100X45-4000K (MH: 2991 AFF).	0.870	27456	221.5	124
IP4d	+	58	US Architecture VolLume VLL-PIED-222W-80LED-875mA-40K-100X1-100X45-4000K (MH: 2991 AFF).	0.870	27456	221.5	124
W3a	+	20	US Architecture VolLume VLL-PIED-222W-80LED-875mA-40K-100X1-100X45-4000K (MH: 2991 AFF). Complete with Wall Mount Bracket.	0.870	30369	221.5	137
W4a	+	68	US Architecture VolLume VLL-PIED-222W-80LED-875mA-40K-100X1-100X45-4000K (MH: 2991 AFF). Complete with Wall Mount Bracket.	0.870	27456	221.5	124
WS	+	48	US Architecture - Recess Wall Mount - 80Watt PLED-222W-80LED-875mA-40K-100X1-100X45-4000K (MH: 1291 AFF).	0.870	3260	21.4	152

LUMINAIRE SCHEDULE NOTES:
1. FINISH TO BE CONFIRMED WITH ARCHITECT PRIOR TO ORDER.
2. ALL LUMINAIRES TO BE DARK SKY COMPLIANT AND BIRD FRIENDLY.



2 VICINITY MAP
SCALE: N.T.S.

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TOWN OF CALEDON DIXIE ROAD
12861 DIXIE ROAD
CALEDON, ONTARIO CANADA

ELECTRICAL SITE PLAN PHOTOMETRIC
REVISIONS

NO.	DATE	DESCRIPTION
1	DEC/15/2023	ISSUED FOR RFP

DATE: PA / PM: JWB/B
DRAWN BY: MT.
JOB NO.: 23-000-008