



Addendum #6

Bid Opportunity: CPS-RFT-25-03 - North Paris Fire Station

Closing Date: Tuesday, August 26, 2025 2:00 PM

CLARIFICATION:

The question period has been extended until Tuesday, August 19, 2025 at 4:30pm

The closing date has been extended until Tuesday, August 26, 2025 at 2:00pm.

Question 1: Please clarify if the utility metering compartment is expected to be integral to the switchboard?

Answer 1: Refer to DEI Addendum #2 Electrical item 1.2.

Question 2: We are assuming the utility metering compartment is expected to be integral to the switchboard? We are not too sure on the intention for the P-base exterior enclosure. Please clarify.

Answer 2: Refer to DEI Addendum #2 Electrical item 1.2.

Question 3: On Drawing M201 the 100mm water main is shown going through the building and up through to the mezzanine. has anyone checked that this is allowed and if so, what materials are we to use between the ground floor and mezzanine? as copper sweat is not allowed between curb stop and meter and no connections are allowed between curb stop and meter.

Answer 3: Refer to DEI Addendum #2 Mechanical item 1.1.

Question 4: what material is to be used for backfilling the interior and exterior side of the building walls? It doesn't specify in the specs or on the drawings.

Answer 4: Refer to Masri O Architects Addendum #5 item 2.1.

Question 5: Can you confirm if the GC is to carry a cost for the wall covering in the training room or will this be part of the signage allowance.

Answer 5: Refer to Masri O Architects Addendum #4 item 1.12.

Question 6: What is the mechanical pad and garbage enclosure pad granular A thickness?

Answer 6: Refer to Masi O Architects Addendum #5 item 2.2.

Question 7: Could you please clarify where the sanitary scope for the Civil contractor will begin? As per the civil drawings it looks like only 4.2m of force main & a pump station is to be installed by the civil contractor. Would it not make sense for the entire sanitary scope to be by the mechanical contractor?

If we are to include for this limited scope, inclusive of the pump station that is being supplied by the owner. Could you please provide some additional information?

Answer 7: Refer to Masri O Architect Addendum #5 item 1.1.

Question 8: There is a geotechnical report in the tender docs but there is no information about short-term / long-term dewatering discharge flow rate, dewatering discharge location, groundwater test results, etc. So, could you please send us the hydroG report, if possible, for our reference in order for us to prepare the proposal for dewatering/filtration system accordingly.

Answer 8: Refer to Masri O Architects Addendum #5 item 1.2.



Addendum

PROJECT: North Paris Fire Station

OWNER: County of Brant

ADDENDUM#: 5

DATE: Aug 13, 2025

DISTRIBUTION: Prequalified Plan Takers via Bids and Tenders

The following information supplements and/or supersedes the bid documents issued on July 9, 2025.

This Addendum forms part of the Contract Documents and is to be read, interpreted and coordinated with all other parts. The cost of all contained herein is to be included in the Contract Sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and shall become part thereof. Acknowledge receipt of this Addendum by inserting its number and date on the Tender Form. Failure to do so may subject bidder to disqualification.

1. CLARIFICATIONS

- 1.1. Refer to Civil Drawings C2.2 delineating the civil vs mechanical engineering work. The sanitary scope for the civil engineering contractor includes the installation of the 4.2m force main, which includes installation of the 50x32 reducer and curb stop at the property line, and the installation of the pump station. The installation of the pump station and connection to the pumping station is to be completed by a County approved contractor acting as a sub-contractor per below. The force main is to be capped at the property line and at the pumping station until the 50mm force main is installed within the right of way by others, with the connections to be made by the approved sub-contractor at that time.

Approved Pump Station Contractor	Address	Phone Number	Email
Clean Shot Environmental Services	950 Colborne St. W Brantford, ON N3T 0L4	519-756-6658	kbishop@cleanshot.ca
Gedco Excavating Ltd.	485 Paris Road, Brantford, ON N3V 0A4	519-756-2306	info@gedcoexcavating.ca
Hunter Plumbing, Heating & Excavating Inc.	620 Middletownline Rd. RR#3 Princeton, ON N0J 1V0	519-458-4488	info@hunterplumbing.ca



- 1.2. Refer to the Geotechnical Study for details regarding the groundwater and soil conditions on site.
- 1.3. Refer to Specifications Section 26 05 75 Item 2.1 – Speedflow Plus does not meet specification for hand dryers.

2. INSTRUCTIONS

- 2.1. Refer to Structural Drawing S1.0 – Construction Notes – Foundations for fill requirements under SOG and for foundations. For backfilling foundation walls (exterior side), use Granular B, compacted to 98% SPMDD.
- 2.2. Reference Structural Details Drawing S1.0 and Architectural Drawing A1.2 for details related to concrete requirements at garbage enclosure and mechanical enclosure.
- 2.3. Reference Mechanical and Electrical Engineering Drawings & Specs: Refer to attached DEI Addendum 02.
- 2.4. Reference Civil Engineering Drawings: Refer to attached MTE Civil Addendum 001.

END OF ADDENDUM

Prepared By:
Natalie Ryan
Masri O Inc. Architects

August 12, 2025

Client: Masri O Inc. Architects
609 Krumpf Drive, Suite 201
Waterloo, ON N2V 1K8

RE: County of Brant – North Paris Fire Station
Paris, ON

Job #: 24160

Attn: Owen Musial, Dipl.T.Arch, Intern Technologist OAA, Studio Manager/
Reema Masri, B Sc. Arch. Eng., OAA, MRAIC/Natalie Ryan, M.Arch., OAA, MRAIC

ADDENDUM 02

MECHANICAL

Item 1

1.0 Contractor Tender Questions

.1 Question:

On Drawing M201 the 100 mm water main is shown going through the building and up through to the mezzanine. Has anyone checked that this is allowed and if so, what materials are we to use between the ground floor and mezzanine? As copper sweat is not allowed between curb stop and meter and no connections are allowed between curb stop and meter.

Answer:

The fire station is not sprinklered. Sweat copper is acceptable for use between ground floor and mezzanine.

.2 Question:

Specification Section 25 02 05 indicates in sentence 1.5.2 that gas detection systems are to be installed but not furnished by the BAS contractor. However, CO/NO2 gas detection systems are specified in the Building Automation Specification Section 25 05 21. Who is to provide the gas detection system.

Answer:

The gas detection system shall be provided by the BAS contractor. Please remove sentence 1.5.2 from Specification Section 25 02 05.

ELECTRICAL

Item 1

1.0 Contractor Tender Questions

.1 Question:

The specs for the main service entrance switchboard indicate the amperage is 400A however the SLD is showing 600A. Please confirm main switchboard amperage.

Answer:

600A (due to the solar connection).

- .2 **Question:**
I am assuming the utility metering compartment is expected to be integral to the switchboard? I am not too sure on the intention for the P-base exterior enclosure?
Answer:
P-Base will not be required; however, there is a revision from Grandbridge on the scope of work, as per Item 3 below.
- .3 **Question:**
Will you accept Hubbel Premise as an alternate cable manufacturer for Division 27?
Answer:
As per discussion with the owner, they want to stick with what was specified.

Item 2

- 2.0 Reference Specification Section 26 24 13
- .1 In 26 24 13 2.1.2 (Service Entrance Board) the switchboard rating is to be revised from 400A to 600A (to match the distribution riser diagram).

Item 3

- 3.0 Reference Attached Reissued Drawing E101
- .1 In the electrical service scope of work notes, in the work to be provided by Grandbridge energy at the fifth note delete 'and precast concrete enclosure.' In the electrical contractor responsibility notes add note '- Supply and installation of transformer vault precast concrete enclosure'.

Item 4

- 4.0 Reference Attached Reissued Drawing E102 and Grandbridge Energy vault details UGS-029 and UGS-029a
- .1 In Detail 'H' (3PH Pad Mounted Transformer Grounding) the approved concrete foundation suppliers delete and replace with "APPROVED CONCRETE FOUNDATION TO BE 192C-SP UGS-033 (OUR 040-0967) OR AS APPROVED BY GRANDBRIDGE ENERGY."

Item 5

- 5.0 Reference Attached Reissued Drawing E104
- .1 In the light fixture schedule revise to equals for fixture types 'L3', 'L5', 'L7', 'L7A', and 'L11' as per attached reissued drawing E104.

Item 6

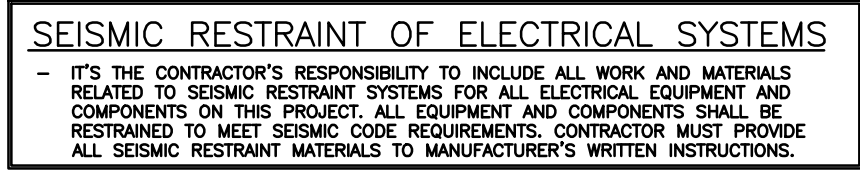
- 6.0 Reference Attached Reissued Drawing E201
- .1 In the apparatus bays the two (2) sets of two (2) 3-way switches are revised to be two (2) sets of four (4) 3-way switches to suit the four (4) lighting zones (rows).

Jesse Anderson, P.Eng.

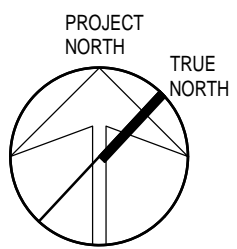
Lead Mechanical Engineer

24160 Addendum 02 (M&E-Various)(various reissued dwgs) Aug 12 25.docx
ja/kf/smb





REVISIONS:		
NO.:	DATE:	ISSUED:
1	2024.11.29	ISSUED FOR 60% COORDINATION
2	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4	2025.05.20	ISSUED FOR PERMIT
5	2025.06.05	ISSUED FOR REVIEW
6	2025.06.13	REISSUED FOR PERMIT
7	2025.07.09	ISSUED FOR TENDER
A	2025.08.05	ADDENDUM 01
B	2025.08.13	ADDENDUM 02



DEI

55 Northland Road,
Waterloo, ON, N2V 1Y8
Phone: 519-725-3555
Website: deiassociates.ca
Project Number: 24460

Consulting Engineers

MECHANICAL | ELECTRICAL | AQUATIC

NORTH PARIS FIRE STATION

21 ANN WILSON WAY
(SCOTT AVE)

CLIENT:



COUNTY PROJECT NO.

CPS-RFT-25-03

DRAWING TITLE:

SITE PLAN

DATE: 2025.07.0

SCALE: As Noted

DRAWN: KF

JOB NO.: 2411

DRAWING NO.

E101

EXTERIOR LIGHT FIXTURE SCHEDULE									
Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	CRI	Listings	LLF	Description	
C	COOPER CAT. #LD6C15D010TR-EU6C10208030-6LBN11H-LGSX16IP66 LITHONIA CAT. #LDN6-AL01-SWW1-L06-AR-LSS-MVOLT-UGZ LITELINE CAT #GEN06-IA-30-L-HW-B-N-X-N-N-1	120V	LED 104 LUMENS 3000K 16W	RECESSED	90	WET LOC.	0.90	RECESSED 6" (150mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGED 50 DEGREE BEAM REFLECTOR, SEMI-SPECULAR CLEAR FINISH, IP66 GASKET KIT, AND 5% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH.	
P1	McGRAW-EDISON CAT. #GALN-SA2B-830-120-T4W-XX-HSS-FADC POLE: VALMONT CAT. #DS330-4000160-D1-FPGV-XX-FBC-4B OR EQUAL LITHONIA CAT. #DSX0 LED SERIES GARDCO CAT. #OFF-S-A01-730-T4W-AR1-UNV-FAWS-X-OFF-S-HS-T4-1	120V	LED 6578 LUMENS 3000K 82W	POLE	80	DLC IDA	0.90	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE "T4W" DISTRIBUTION OPTICS WITH HOUSE SIDE SHIELD, FULL CUT-OFF DARK SKY COMPLIANCE (DA), FIELD ADJUSTABLE WATTAGE SELECTOR AND 15" (4.6m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE, ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT. NOTES: POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.	
P2	McGRAW-EDISON CAT. #GALN-SA2B-830-120-T4FT-XX-HSS-FADC POLE: VALMONT CAT. #DS330-4000160-D1-FPGV-XX-FBC-4B OR EQUAL LITHONIA CAT. #DSX0 LED SERIES GARDCO CAT. #OFF-S-A01-730-T4M-AR1-UNV-FAWS-X-OFF-S-HS-T4-1	120V	LED 6548 LUMENS 3000K 82W	POLE	80	DLC IDA	0.90	POLE MOUNTED DECORATIVE LED FIXTURE C/W EXTRUDED ALUMINUM ENCLOSURE, LOW PROFILE DESIGN, TYPE "T4FT" DISTRIBUTION OPTICS WITH HOUSE SIDE SHIELD, FULL CUT-OFF DARK SKY COMPLIANCE (DA), FIELD ADJUSTABLE WATTAGE SELECTOR AND 15" (4.6m) X 4" (100mm) SQUARE STRAIGHT STEEL POLE, ENTIRE ASSEMBLY SHALL HAVE FINISH TO SUIT ARCHITECT. NOTES: POLES MUST BE PROVIDED WITH ROUND BOLT/BASE COVERS.	
W	COOPER CAT. #ENC-SA1C-830-U-T4FT LITHONIA CAT. #MRW-LED SERIES GARDCO CAT. #GCS-A03-830-T4M-UNV-FAWS-X	120V	LED 3432 LUMENS 3000K 34W	WALL	80	DLC IDA	0.90	WALL MOUNTED FIXTURE C/W DIE-CAST ALUMINUM HOUSING, TYPE4 FORWARD THROW DISTRIBUTION C/W BACK LIGHT CONTROL, TOOL LESS ENTRY TO HINGED LENS ASSEMBLY AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS, PROVIDE EXTERNAL PHOTOCELL AS PER SPECIFICATIONS.	
W1	COOPER CAT. #XTOR1B-Y-COL LITHONIA CAT. #WPX1-LED-P1-30K-MVOLT-XX GARDCO CAT. #GWS-A01-830-T3M-UNV-X	120V	LED 1327 LUMENS 3000K 12W	WALL	80	DLC IDA	0.90	WALL MOUNTED FIXTURE C/W DIE-CAST ALUMINUM HOUSING AND FINISH TO SUIT ARCHITECT. MOUNT FIXTURE AT HEIGHT AS INDICATED ON ARCHITECTURAL ELEVATIONS, PROVIDE EXTERNAL PHOTOCELL AS PER SPECIFICATIONS.	

LED LIGHT FIXTURE SCHEDULE									
Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	Description				
EXIT LIGHTS	AIMLITE CAT. #RPALUMWHUNTUNVDC STANPRO CAT. #RMXL0WH-UDC LUMACELL CAT. #LA3WUX	12V/120V	LED 2.5 WATT (MAX)AC 2 WATT (MAX)DC	SURFACE	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, AND MAXIMUM 2.5" (63mm) THICKNESS. FACES AND CHEVRONS TO SUIT DRAWINGS.				
EMERG. LIGHTS	AIMLITE CAT. #RMSM212V4WLJWHI STANPRO CAT. #N2-06-12V4WLJWH LUMACELL CAT. #MQM2LD7	12V	LED 2-4W PAR18	SURFACE	TWIN HEAD LED REMOTE MR16 FIXTURE C/W COMPACT DESIGN, THERMOPLASTIC CONSTRUCTION, WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION.				
COMBO UNIT	AIMLITE CAT. #CARPW SERIES EM-1 #CARPW12036X2SM4WLJATD STANPRO CAT. #PRMXL SERIES EM-1 #PRMXL10361-2N4LJ-AT LUMACELL CAT. #LAC SERIES EM-1 #LACXW1250LD7ATN	12V/120V	LED 2-4W PAR18	SURFACE	LED EXTRUDED ALUMINUM PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, MAXIMUM 2.5" (63mm) THICKNESS, 12V INTERNAL SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER AND AUTOTEST FEATURE. INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION. WHERE NOTED UNIT SHALL BE C/W WIREGUARD. FACES AND CHEVRONS TO SUIT DRAWINGS.				
COMBO UNIT (WEATHER-PROOF)	AIMLITE CAT. #CRPN SERIES EM-2 #CRPN12072XWHI24WLRATDCW1 STANPRO CAT. #PRMRN SERIES EM-2 #PRMRN1072XWH-24LR/AT/CW1	12V/120V	LED 2-4W MR16	SURFACE	LED PICTOGRAM FIXTURE C/W GREEN FACE AND WHITE LEGEND, UNIVERSAL MOUNTING TO SUIT WALL, END OR CEILING, WHITE FINISH, COLD WEATHER RATING, 12V INTERNAL SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER, AND AUTOTEST FEATURE. INTEGRAL 12V LED HEADS TO HAVE COMPACT DESIGN WITH WHITE COLOUR, FULL AIMING ADJUSTMENT, AND 360° ROTATION. WHERE NOTED UNIT SHALL BE C/W WIREGUARD. FACES AND CHEVRONS TO SUIT DRAWINGS. MUST BE NEMA 4X NSF2.				
EMERG. BATT.	AIMLITE #EBST12 SERIES: EM-3 #EBST12036-2SM4WLRWHI-ATD EM-4 #EBST120100-2SM4WLRWHI-ATD STANPRO CAT. #SLX12 SERIES EM-3 #SLA12036-2N4LJ/AT EM-4 #SLA120100-2N4LJ/AT LUMACELL CAT. #RGS SERIES EM-3 #RG12S361LD7ATN EM-4 #SLA120100-2N4LJ/AT	12V/120V	LED 2-4W MR16	SURFACE	LONG LIFE, SEALED RECHARGABLE BATTERY PROVIDING MINIMUM EMERGENCY WATTAGE AS NOTED BY THE CATALOGUE NUMBER C/W MICRO SIZE 12V 4W (MINIMUM) LED HEADS AND AUTOTEST FEATURE.				


LIGHTING CONTROL SYSTEMS SEQUENCE OF OPERATION		
NOTES:		
1. UPON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE COMMISSIONED BY A MANUFACTURER'S FACTORY AUTHORIZED THIRD PARTY REPRESENTATIVE WHO SHALL PROVIDE FUNCTIONAL TESTING AND DOCUMENTATION CONFORMING TO THE REQUIREMENTS OF ASHRAE 9.4.3. FUNCTIONAL THIRD PARTY TESTING SHALL INCLUDE DIGITAL ROOM CONTROL SYSTEMS, REFER TO RESPECTIVE SPECIFICATION SECTIONS. ALL COSTS SHALL BE INCLUDED IN TENDER PRICE.		
2. ALL INDICATED TIMES SHALL BE COORDINATED WITH OWNER. REPORT ANY DISCREPANCIES BETWEEN SEQUENCE AND CONTROL DEVICES TO ENGINEER PRIOR TO PROGRAMMING. COORDINATE PROGRAMMING OF ANY SPACES NOT LISTED (HEREIN) WITH OWNER.		
ROOM/AREA TYPE	CONTROL SEQUENCE / CONTROL DEVICE(S)	CONTROL SYSTEM
PARKING	ON: LIGHTS TURN ON AUTOMATICALLY AT SUNSET VIA PHOTOCELL OFF: LIGHTS REMAIN AT 50% UNTIL DAWN.	MULTI-POLE CONTACTOR(S)
EXTERIOR - PERIMETER	ON: LIGHTS TURN ON AUTOMATICALLY AT DUSK VIA PHOTOCELL. OFF: LIGHTS TURN-OFF AUTOMATICALLY AT DAWN VIA PHOTOCELL.	MULTI-POLE CONTACTOR(S)
OFFICES	ON: LIGHTS TURN ON AUTOMATICALLY WHEN OCCUPANCY IS DETECTED. OFF: 10 MINUTES AFTER THE ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY TURN OFF.	OCCUPANCY WALL SWITCH
TRAINING ROOMS, KITCHEN	ON: LIGHTS TURN ON AUTOMATICALLY WHEN OCCUPANCY IS DETECTED. OFF: 10 MINUTES AFTER THE ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY TURN OFF. ADJUST: OCCUPANT ADJUSTS LIGHT LEVELS IN EACH ZONE VIA WALL STATION.	DIGITAL ROOM CONTROL SYSTEM
WASHROOM, LOCKERS, FITNESS	ON: LIGHTS TURN ON WHEN OCCUPANCY (MOTION) IS DETECTED. OFF: 20 MINUTES AFTER THE ROOM HAS BEEN VACATED, THE LIGHTS WILL AUTOMATICALLY TURN OFF.	DIGITAL ROOM CONTROL SYSTEM
APPARATUS BAY	FIXTURES ARE TO BE CONTROLLED VIA 4-WAY WALL SWITCHES.	TOGGLE WALL SWITCH

LED LIGHT FIXTURE SCHEDULE						
Item	Manufacturer/Catalog Number	Voltage	Lamp	Mounting	Description	
L1	METALUX CAT. #22C22-32-UNV-L840-CD1-U LITHONIA CAT. #2BL12 SERIES CFI CAT. #2FGX38840-2-R-UNV-DIM	120V	LED 3334 LUMENS 4000K 24W	RECESSED	2'X2' (610mmX610mm) RECESSED SHALLOW VOLUMETRIC LED FIXTURE C/W OPAL ACRYLIC LENS AND 0-10V DIMMING DRIVER.	
L2	3G LIGHTING CAT. #3G-4RLJ-D750-S80-40K-UNV-DIM-WI-FL-S4 MARK CAT. #SLAL LOP 4FT FLP FL BOCRI 40K 800LMF MN1 120 FL/XXXX ZT AXIS CAT. #BMRLED-795-80-40-FL-4-W-UNV-DP-1-DF	120V	LED 2961 LUMENS 4000K 21W	RECESSED	4' (1220mm) LONG X 4" (102mm) WIDE GYPSUM BOARD FLANGED RECESSED DIRECT LUMINAIRE C/W 1% 0-10V DIMMING DRIVER, EXTRUDED ALUMINUM HOUSING, AND SATIN WHITE FLUSH DIFFUSER. STANDARD FINISH TO BE SELECTED BY ARCHITECT.	
L3	COOPER CAT. #ASULED-LD5-4AS-S-W-UNV-L840-WG-SNF-AFT LITHONIA CAT. #CSS L48-4000LM-MOLT-40K-80CRI-WCS3 CFI CAT. #SDS1250LST-UNV-DIM-PRI-126-SUS-WG	120V	LED 4681 LUMENS 4000K 39W	SUSPENDED /WALL	4' (1219mm) SUSPENDED LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, 4' WIRE GUARD AND MOUNTING HARDWARE/SUSPENSION KIT.	
L4	COOPER CAT. #HC410D010-HM412840-41MDHW LITHONIA CAT. #LDN4 40/10 L04AR LSS MVOLT G21 TRW LIGHTLINE CAT. #GEN04-1B-40-L-HW-S-N-X-N-N-1	120V	LED 1281 LUMENS 4000K 10W	RECESSED	RECESSED 4" (100mm) DIAMETER LED DOWNLIGHT C/W SELF-FLANGED 60 DEGREE BEAM REFLECTOR, SEMI-SPECULAR CLEAR FINISH, AND 1% 0-10V DIMMING DRIVER. ARCHITECT TO CONFIRM FLANGE FINISH. MUST BE WET LOCATION LISTED.	
L5	COOPER CAT. #ASULED-LD5-225-S-W-UNV-L840-WG-SNF-AFT LITHONIA CAT. #CSS L48-4000LM-MOLT-40K-80CRI-WCS3 CFI CAT. #SDS1250LST-UNV-DIM-PRI-126-SUS-WG	120V	LED 2200 LUMENS 4000K 20W	WALL	4' (1219mm) WALL MOUNTED LED STRIP LIGHT C/W WIDE LENSED OPTICAL DISTRIBUTION, 4' WIRE GUARD.	
L6	COOPER CAT. #HBLED-LD5-18SE-W-A/WG-120-L840-2-CD-2 LITHONIA CAT. #BG 18000LM SEF AFL GND 120 G210 40K 80CRI SIGNIFY CAT. #FB218L840-120-W-LFA	120V	LED 15413 LUMENS 4000K 122W	SUSPENDED	LED HIGHBAY FIXTURE C/W WIDE DISTRIBUTION OPTICS, SEMI-DIFFUSE ACRYLIC LENS AND TWO 0-10V DIMMING DRIVERS. NOTE FIXTURE TO BE FASTENED TO UNISTRUT CHANNELS SPANNING ACROSS THE TOP OF THE BOTTOM CHORD OF THE JOISTS. SUSPEND FIXTURE EVEN WITH THE BOTTOM OF JOISTS. ENTIRE FIXTURE ASSEMBLY IS TO HAVE A WHITE FINISH.	
L7	SISTEMALUX CAT. #1780C-80-840-50-120-00-D10 LITHONIA CAT. #B610L-CPT-40K-80CRI-MVOLT-F-G-0 SIGNIFY CAT. #LET11-S-25-40K-S45-CL-X-X-RD-X-1AF-X-010S-NA	120V	LED 2576 LUMENS 4000K 27W	SUSPENDED	LED SUSPENDED CYLINDER FIXTURE C/W DIE CAST ALUMINUM CONSTRUCTION, FLOOD DISTRIBUTION OPTICS, CLEAR PROTECTION GLASS DIFFUSER AND 0-10V DIMMING DRIVER. CONFIRM EXACT MOUNTING HEIGHT/STEM LENGTH WITH ARCHITECT. ENTIRE FIXTURE ASSEMBLY IS TO HAVE FINISH TO SUIT ARCHITECT.	
L7A	SISTEMALUX CAT. #1770C-40-840-50-120-00-D10 LITHONIA CAT. #B610L-CPT-40K-80CRI-MVOLT-F-G-0 SIGNIFY CAT. #LET11-S-20-40K-S45-CL-X-X-RD-X-1AF-X-010S-NA	120V	LED 1885 LUMENS 4000K 20W	SUSPENDED	LED SUSPENDED CYLINDER FIXTURE C/W DIE CAST ALUMINUM CONSTRUCTION, FLOOD DISTRIBUTION OPTICS, CLEAR PROTECTION GLASS DIFFUSER AND 0-10V DIMMING DRIVER. CONFIRM EXACT MOUNTING HEIGHT/STEM LENGTH WITH ARCHITECT. ENTIRE FIXTURE ASSEMBLY IS TO HAVE FINISH TO SUIT ARCHITECT.	
L8	3G LIGHTING CAT. #3G-4PLI-D-01000-L250-S80-40K-UNV-DIM-FL-FL-XX-120-1C-S-8 MARK CAT. #S4LD SERIES AXIS CAT. #TB30LED-300-1000-80-40-SO-SO-8-COL-UNV-DP-1-CA(120)	120V	LED 4939 LUMENS 4000K 35W	SUSPENDED WITH BOTTOM AT 9FT AFF (TBC WITH ARCHITECT)	8' (2440mm) LONG X 3.5" (89mm) WIDE DIRECT (67%) / INDIRECT (33%) SUSPENDED LUMINAIRE C/W AIRCRAFT CABLE SUSPENSION (CHORD LENGTH TBD ON SITE), STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, AND 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSERS (UP/DOWN). STANDARD FINISH TO BE SELECTED BY ARCHITECT.	
L8A	3G LIGHTING CAT. #3G-4PLI-D-01000-S80-40K-UNV-DIM-DASY-XX-120-1C-S-8 MARK CAT. #S4LD SERIES AXIS CAT. #TB30LED-1000-80-40-ASO-8-COL-UNV-DP-1-CA(120)	120V	LED 4939 LUMENS 4000K 35W	SUSPENDED WITH BOTTOM AT 13FT AFF (TBC WITH ARCHITECT)	8' (2440mm) LONG X 3.5" (89mm) WIDE DIRECT (100%) SUSPENDED LUMINAIRE C/W ASYMMETRIC DISTRIBUTION, AIRCRAFT CABLE SUSPENSION (CHORD LENGTH TBD ON SITE), STRUCTURE MOUNTING, EXTRUDED ALUMINUM HOUSING, AND 1% 0-10V DIMMING DRIVER, AND SATIN WHITE FLUSH DIFFUSER. STANDARD FINISH TO BE SELECTED BY ARCHITECT.	
L10	COOPER CAT. #VP4-L-A2A-2-40K-L10 STANDARD CAT. #T4-L-S2B-80W/40K/L10 CFI CAT. #VTS42856LBCST-UN3-DIM	120V	LED 4120 LUMENS 4000K 33W	SUSPENDED	4' (1276mm) COMPACT LED FIXTURE C/W DURABLE POLYCARBONATE HOUSING, UV STABILIZED POLYCARBONATE LENS. WET LOCATION AND IP65 MOUNTING HARDWARE/SUSPENSION KIT SHOULD BE CHOSEN ACCORDING TO ARCH. ROOM ELEVATION.	
L11	PRISM CAT. #6020-FL-3W24V-40K-IP43 C/W #6100-AP-SM-1612 AND #5015-PSU-XXW24V-JB-CL2 LITHONIA CAT. #LLI-WID-S-F-H3.5W-42K-24V-95° C/W #LLI-PS-NDE-060W-24V-KO COMM LIGHTING CAT. #LL42-VRO-ATK-CL-NC-X C/W KLC-X-F-FC-SA AND PS-ND-D-96-24 POWER SUPPLY	120V	LED 322 LUMENS 4000K 3W	SURFACE	LED TAPE LIGHT C/W REMOTE NON-DIMMING DRIVER, LOW PROFILE ALUMINUM MOUNTING CHANNEL, AND FROSTED LENS. PROVIDE MOUNTING CLIPS, JOINERS, END CAPS, DRIVERS AS REQUIRED, AND ALL OTHER ACCESSORIES REQUIRED TO PROVIDE A COMPLETE SYSTEM INSTALLATION. THIS CONTRACTOR IS TO COORDINATE LENGTHS OF RUNS REQUIRED WITH RUNS AS SHOWN ON DRAWINGS. COORDINATE EXACT PLACEMENT OF DRIVER WITH MILLWORK AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.	
NOTES: ① LED LUMEN VALUES QUOTED FOR FIXTURES ARE TO BE CONSIDERED MINIMUM, AND AS ABSOLUTE OR DELIVERED LUMENS. LUMEN VALUES SHOULD NOT EXCEED MORE THAN 10% OF SPECIFIED OUTPUT. ② IF THERE ARE ANY DISCREPANCIES BETWEEN THE FIXTURE PART NUMBER AND DESCRIPTION, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO BRING THESE TO THE ELECTRICAL CONSULTANT'S ATTENTION PRIOR TO TENDER CLOSE. NO EXTRAS WILL BE ENTERTAINED FOR FAILURE TO DO SO. FINAL FIXTURE CHARACTERISTICS AND DESCRIPTION WILL BE MARKED BY CONSULTANT AT TIME OF SHOP DRAWING REVIEW.						


FLOOR BOX SCHEDULE							
ITEM	MANUFACTURER/CATALOG NUMBER	TYPE	CONFIGURATION	FINISH	FIRE RATING	NO. OF GANGS	DESCRIPTION
FB1	HUBBELL BOX CAT. #CFB4G25RCRE COVER CAT. #CFBS1R6CVRXXX	CAST IN PLACE SLAB ON GRADE	ONE (1) 20A DECORA RECEPTACLE. TWO (2) DATA DROPS.	TBD	N/A	4	4 GANG RECESSED CONCRETE FLOORBOX C/W DEVICES AS NOTED AND FLUSH SURFACE ROUND COVER TO SUIT ARCHITECTURAL AND INTERIOR DESIGN FINISH. PROVIDE 1-27mmC FOR POWER AND 1-41mmC FOR DATA UNDERNEATH FLOOR SLAB TO SUIT LOCATION AS SHOWN.
FB2	HUBBELL BOX CAT. #CFB4G25RCRE COVER CAT. #CFBS1R6CVRXXX	CAST IN PLACE SLAB ON GRADE	TWO (2) 20A DECORA RECEPTACLES. TWO (2) DATA DROPS.	TBD	N/A	4	4 GANG RECESSED CONCRETE FLOORBOX C/W DEVICES AS NOTED AND FLUSH SURFACE ROUND COVER TO SUIT ARCHITECTURAL AND INTERIOR DESIGN FINISH. PROVIDE 1-27mmC FOR POWER AND 1-41mmC FOR DATA UNDERNEATH FLOOR SLAB TO SUIT LOCATION AS SHOWN.

The contractor shall verify all dimensions and report all errors and discrepancies to the Consultant before commencement of the work.
The drawings show general arrangement of services. Follow as closely as actual building construction will permit. Obtain approval for relocation of service from Consultant before commencement of the work.
The drawings do not indicate all offsets fitting and accessories which may be required. Provide the same to meet the required conditions.
Drawings and specifications, etc., prepared and issued by the Consultant are the property of the Consultant and must be returned at the completion of the project. These documents are not to be duplicated or copied without the consent of the Consultant.
Do not scale this drawing.
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REVISIONS:		
NO.:	DATE:	ISSUED:
1.	2024.11.29	ISSUED FOR 60% COORDINATION
2.	2024.12.20	RE-ISSUED FOR 60% COORDINATION
3.	2025.02.14	ISSUED FOR CLASS A COST ESTIMATION
4.	2025.05.20	ISSUED FOR PERMIT
5.	2025.06.05	ISSUED FOR REVIEW
6.	2025.06.13	REISSUED FOR PERMIT
7.	2025.07.09	ISSUED FOR TENDER
A.	2025.08.05	ADDENDUM 01
B.	2025.08.13	ADDENDUM 02



PROJECT
NORTH
TRUE NORTH



55 Northland Road,
Waterloo, ON N2V 1Y8
Phone: 519-725-3555
Website: deiconsultants.ca
Project Number: 24101

CONSULTING ENGINEERS
MECHANICAL | ELECTRICAL | AQUATIC

PROJECT:

NORTH PARIS
FIRE STATION

21 ANN WILSON WAY
(SCOTT AVE)

CLIENT:

COUNTY OF
Brant Simply Grand

COUNTY PROJECT NO.:

CPS-RFT-25-03

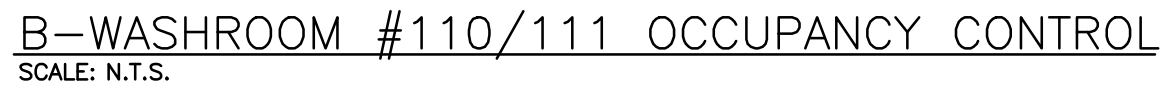
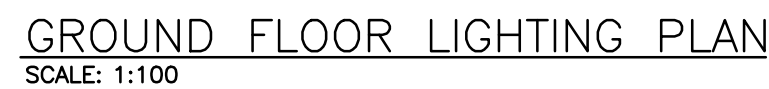
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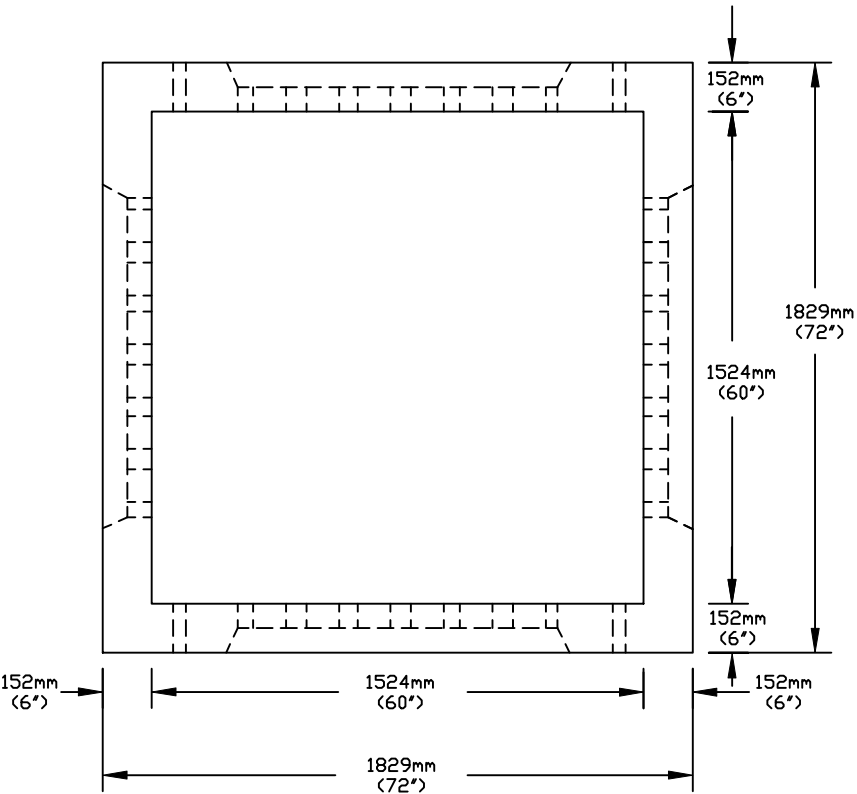
LIGHT FIXTURE
SCHEDULE

DATE: 2025.07.09
SCALE: As Noted
DRAWN: KF
STATUS: TENDER
JOB NO.: 2411

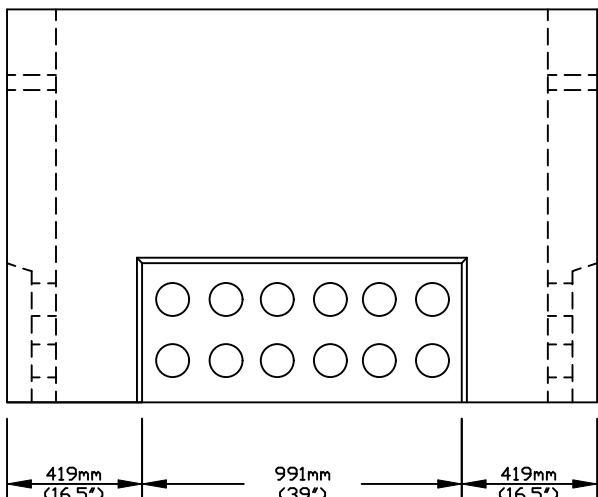
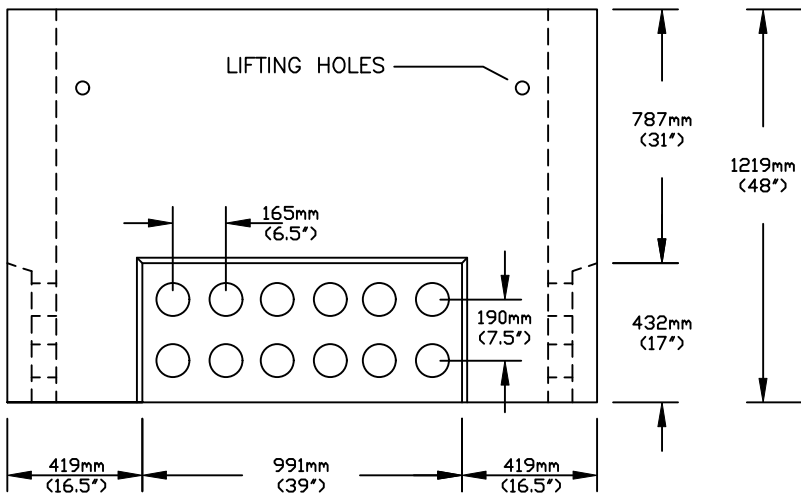
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E104




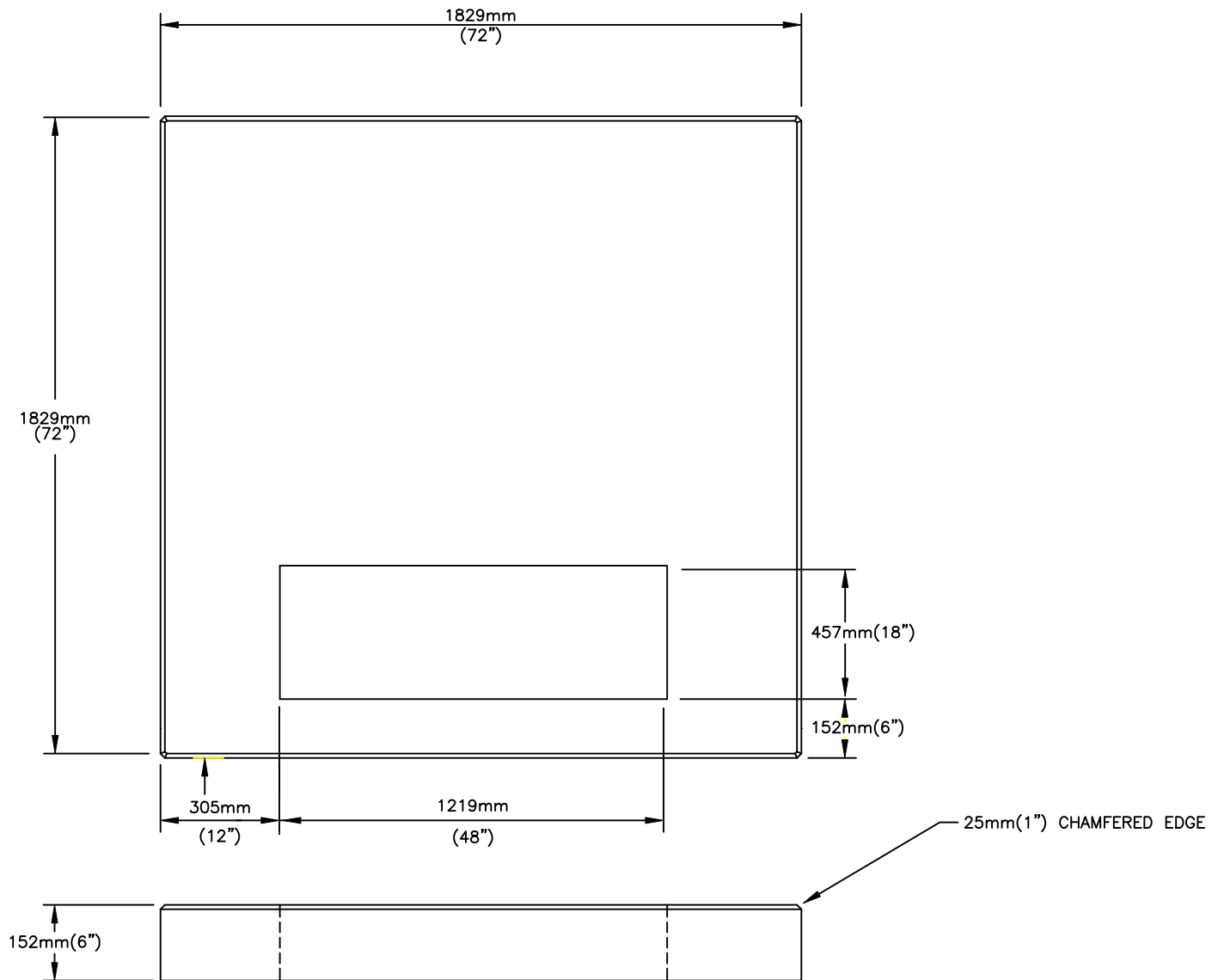


- NOTES:**
- 1) CONCRETE STRENGTH IS A MINIMUM OF 30MPa (4350psi).
 - 2) ENCLOSURE IS STEEL REINFORCED.
 - 3) ENCLOSURE IS SUPPLIED WITH LIFTING HOLES. C/W PLUGS
 - 4) TOTAL OF 48 PVC SEALS FOR 100mm (4") DUCTS.
 - 5) ENCLOSURE SHALL SUPPORT TRANSFORMERS UP TO 1000KVA (i.e weight of 5000kg)
 - 6) ENCLOSURE IS TO BE SUPPLIED BY APPROVED MANUFACTURERS



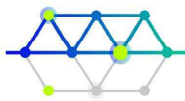
4.	SEPT. 21/23	GBE LOGO UPDATED	R.S.
3.	MAR. 28/17	REVISED SIZING OF TRANSFORMER	A.P.
2.	NOV. 14/97	GENERAL UPDATE.	R.S.
1.	MAY 6/96	ADDED PVC SEALS.	D.H.

REV.	DATE	CHECK'D. BY
		
TITLE: PRECAST CONCRETE ENCLOSURE FOR THREE PHASE PADMOUNT TRANSFORMER UP TO 1000KVA		
DATE: NOV./93	SCALE: N.T.S.	W.O.No.: DRAWN BY: R.S.
DESIGNED BY	APPROVED BY P.ENG.	DRAWING No. UGS-029



NOTES:

- 1) LID IS TO BE SUPPLIED WITH LIFTING PROVISIONS.
- 2) LID IS TO BE SUPPLIED BY APPROVED MANUFACTURERS
- 3) LID SHALL SUPPORT TRANSFORMERS 150KVA TO 500KVA (i.e weight of 3000 kg.)

3.	SEPT. 21/23	GBE LOGO UPDATED	RS	
2.	APR. 25/11.	REVISED MAX. TRANSFORMER SIZE TO 500kVA.	ST	
1.	MAY 2/96	REVISED LENGTH TO MATCH 3 Ø PADMOUNT TRANSFORMER ENCLOSURE.	D.H.	
REV.	DATE			CHEK'D. BY
<div><div>GrandBridge ENERGY</div></div>				
TITLE: 152mm (6") THREE PHASE PRECAST CONCRETE PAD.				
DATE: NOV. 15/93.		SCALE: N.T.S.		W.O.No.:
DRAWN BY: S.L.TILLEY				
DESIGNED BY		APPROVED BY P.ENG.		DRAWING No. UGS-029A



Project Name: Brant County Fire Station 9, CPS-RFT-25-03

MTE File No.: 55275-200

Client: County of Brant

Date: August 12, 2025

Client File No:

Addendum No.: Civil Addendum 001

This Addendum forms part of the Contract Documents and amends the original Drawings, issued August 12, 2025, as noted below. The purpose of the amendment is to minimize the disruption and duration of watermain shutdown.

This Addendum consists of one (1) page(s).

Drawing	C1.1 Existing Conditions and Removals Plan
Items	1. Existing monitoring well will no longer be decommissioned. Linework for the existing monitoring well have been updated.

End of Civil Addendum 001