

LIST OF DRAWINGS - LISTE DES DESSINS

200 STRUCTURAL  
STRUCTURE

- K-B35-030427-201 STRUCTURAL SITE #1-3 PLANS, ELEVATIONS, AND NOTES  
K-B35-030427-202 STRUCTURAL SITE #4 PLANS AND ELEVATIONS  
K-B35-030427-203 STRUCTURAL SECTIONS AND DETAILS

300 ARCHITECTURAL  
ARCHITECTURE

- K-B35-030427-301 FLOOR PLAN, ELEVATIONS, SECTIONS, AND NOTES  
K-B35-030427-302 SCHEDULES AND DETAILS  
K-B35-030427-303 DETAILS AND NOTES

400 MECHANICAL  
MECANIQUE

- K-B35-030427-401 WATER METER PIPING LAYOUTS AND DETAILS SITES 1 & 2  
K-B35-030427-402 WATER METER PIPING LAYOUTS AND DETAILS SITES 3 & 4  
K-B35-030427-403 METER ENCLOSURE HVAC LAYOUTS AND DETAILS

500 ELECTRICAL  
ELECTRIQUE

- K-B35-030427-500 GENERAL NOTES AND LEGENDS  
K-B35-030427-501 SITE #1 - NEW POWER LAYOUT (SHEET 1 OF 2)  
K-B35-030427-502 SITE #1 - NEW POWER LAYOUT (SHEET 2 OF 2)  
K-B35-030427-503 SITE #2 - NEW POWER LAYOUT (SHEET 1 OF 2)  
K-B35-030427-504 SITE #2 - NEW POWER LAYOUT (SHEET 2 OF 2)  
K-B35-030427-505 SITE #3 - NEW POWER LAYOUT  
K-B35-030427-506 SITE #4 - NEW POWER LAYOUT  
K-B35-030427-510 POWER PLANS  
K-B35-030427-511 DETAILS  
K-B35-030427-590 SCHEDULES

600 CIVIL  
CIVIL

- K-B35-030427-601 NOTES AND DETAILS (SHEET 1 OF 2)  
K-B35-030427-602 NOTES AND DETAILS (SHEET 2 OF 2)  
K-B35-030427-610 SITE #1 - EXISTING CONDITIONS AND REMOVALS  
K-B35-030427-611 SITE #1 - NEW SITE PLAN  
K-B35-030427-612 SITE #1 - UTILITY PROFILES  
K-B35-030427-614 SITE #1 - ACCESS ROAD PLAN AND PROFILE  
K-B35-030427-621 SITE #2 - EXISTING CONDITIONS AND REMOVALS  
K-B35-030427-622 SITE #2 - NEW SITE PLAN  
K-B35-030427-623 SITE #2 - UTILITY PROFILES  
K-B35-030427-624 SITE #2 - ACCESS ROAD PLAN AND PROFILE  
K-B35-030427-631 SITE #3 - EXISTING CONDITIONS AND REMOVALS  
K-B35-030427-632 SITE #3 - NEW SITE PLAN  
K-B35-030427-633 SITE #3 - UTILITY PROFILES  
K-B35-030427-634 SITE #3 - ACCESS ROAD PLAN AND PROFILE  
K-B35-030427-641 SITE #4 - EXISTING CONDITIONS AND REMOVALS  
K-B35-030427-642 SITE #4 - NEW SITE PLAN  
K-B35-030427-643 SITE #4 - UTILITY PROFILES  
K-B35-030427-644 SITE #4 - SITE SECTIONS  
K-B35-030427-651 SITE #1 AND SITE #2 GENERAL CONSTRUCTION SEQUENCE  
K-B35-030427-652 SITE #3 GENERAL CONSTRUCTION SEQUENCE  
K-B35-030427-653 SITE #4 GENERAL CONSTRUCTION SEQUENCE

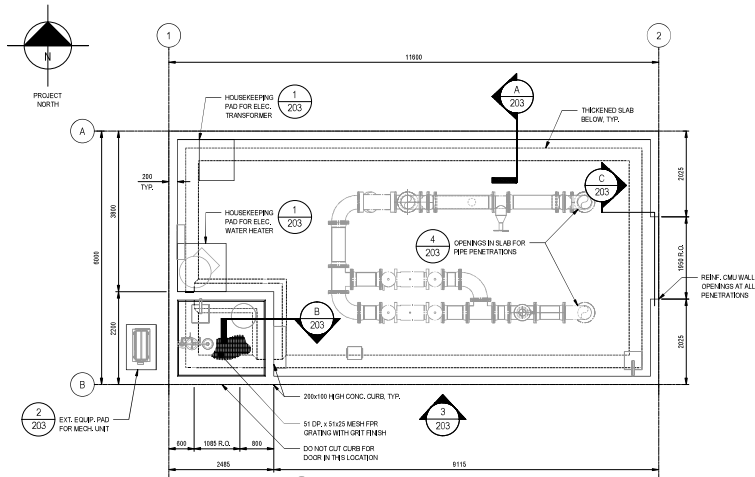
WATERMAN CONNECTIONS -  
BACKFLOW PREVENTION & METERING  
ISSUED FOR TENDER

Address / Adresse  
Kingston  
City / Ville  
Ontario  
Province / Province

DATE	2026/02/06
Drawn by: COLIN 256 Date: 2026/03/24 09:35:11-4407 Cabin Hogan, Project Manager	Checked by: HOGAN, COLIN 256 Date: 2026/03/24 09:35:11-4407 Cabin Hogan, Project Manager
DCC NO. -GCHND KN239913	Digitaly signed by ST JOHN, STEVEN 376 Date: 2026/03/26 09:44:09-4407 Steve St. John, Chief Fire Inspector
PROJECT NO. -H0JF1 N0. 500779569	Digitaly signed by SANTOS, FERNANDO 989 Date: 2026/03/26 10:14:23-4407 Fernando Santos, Engineering Officer
PI 160	
K-B35-9304/27	

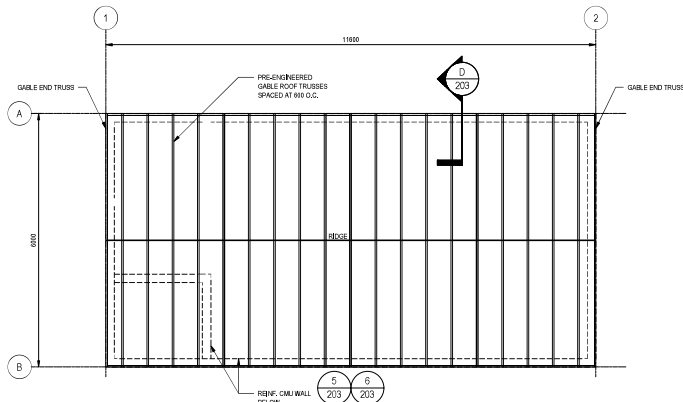






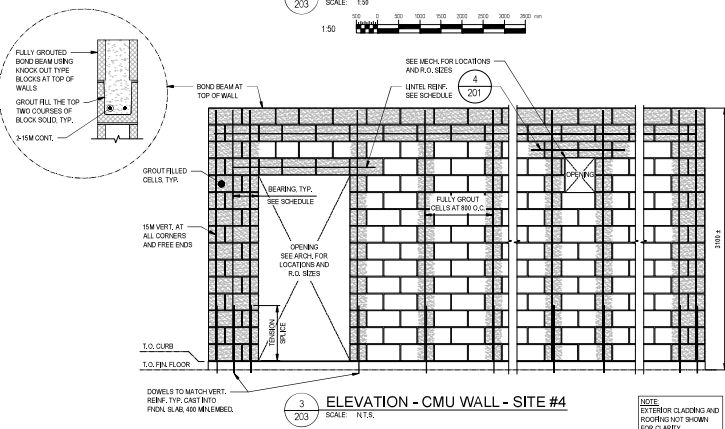
1 FOUNDATION PLAN - SITE #4

SCALE: 1:50



2 ROOF PLAN - SITE #4

SCALE: 1:50





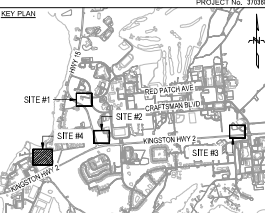

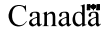
3 ELEVATION - CMU WALL - SITE #4

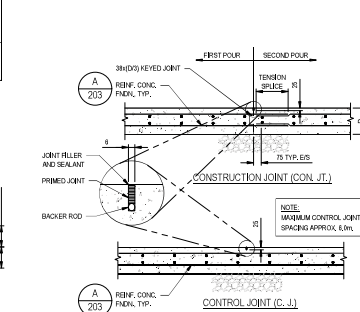
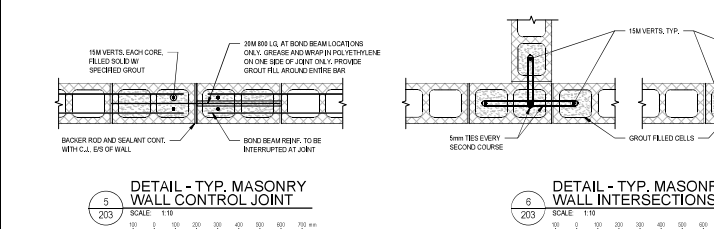
SCALE: 1:50

NOTE:  
EXTERIOR CLADDING AND  
ROOFING NOT SHOWN  
FOR CLARITY.

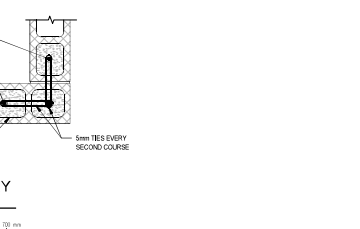
#### GENERAL NOTES:

1. SEE DRAWING 201 FOR NOTES.

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LEVEL OF SECURITY   NIVEAU DE SÉCURITÉ <b>UNCLASS   NON CLASSIFIÉ</b>			
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 <b>EASTPOINT</b>			
PROJECT No. 370308			
<b>KEY PLAN</b>			
			
PROFESSIONAL SEAL   CACHET			
			
0 2025/07/06 ISSUED FOR TENDER JBC			
NO. DATE REVISION APPR.			
SCALE   ÉCHELLE AS NOTED			
LOCATION   EMPLACEMENT CFB KINGSTON KINGSTON ONTARIO			
PROJECT   PROJET <b>WATERMAIN CONNECTIONS - BACKFLOW PREVENTION &amp; METERING</b>			
TRADE   MÉTIER <b>STRUCTURAL</b>		DATE 2025/07/09	
SUBJECT   SUJET <b>STRUCTURAL SITE #4 PLANS AND ELEVATIONS</b>			
PRODUCTION DESIGNED   ÉTUDE EDM DRAWN   DESSIN BLB CHECKED   VÉRIFIÉ EDM COORDINATION ATN		REVIEWED   REVU DESIGN AGENT CONC PROJ MGR   GÉST PROJ DES MGR   GÉST CONC FRE   INCENDIE	
ISS. NO.   NO. DTP N.200114.24.08.01		PR. NO.   NO. DP 500779569	
DWG. NO.   NO. DESSIN		K-B35-9304/27 - 202	
			

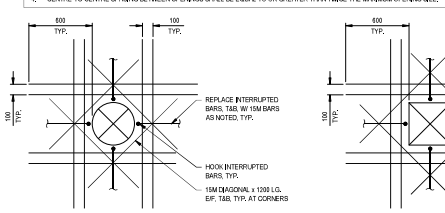
[illegible]

3  
203  
SCALE: 1/20  
0 50 100 150 mm

[illegible]

**NOTES:**

1. FOR OPENINGS WITH MAXIMUM DIMENSION LESS THAN 200mm, NO EXTRA BARS REQUIRED, WHERE POSSIBLE, ADJUST OPENING LOCATION TO SUIT REINFORCING LAYOUT. OTHERWISE, ADJUST REGULAR REINFORCING AROUND OPENING.
2. FOR OPENINGS WITH MAXIMUM DIMENSION GREATER THAN OR EQUAL TO 200mm, ADJ EXTRA BARS ON EACH SIDE OF THE OPENING EQUAL TO HALF THE TOTAL AREA OF REINFORCING SUBSTITUTED IN EACH DIRECTION, AS FOLLOWS:
3. MAXIMUM OPENING SIZE SHALL BE 300mm OR GREATER > 600mm, LOCATION TO BE PER MANUFACTURERS REQUIREMENTS, COORDINATED WITH MECHANICAL AND ELECTRICAL, AND APPROVED BY DDC REPRESENTATIVE.
4. CENTRE-TO-CENTRE SPACING BETWEEN OPENINGS SHALL BE EQUAL TO OR GREATER THAN TWICE THE MAXIMUM OPENING SIZE



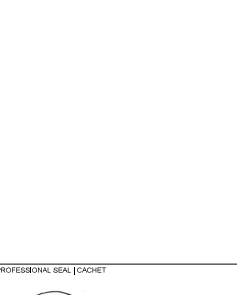




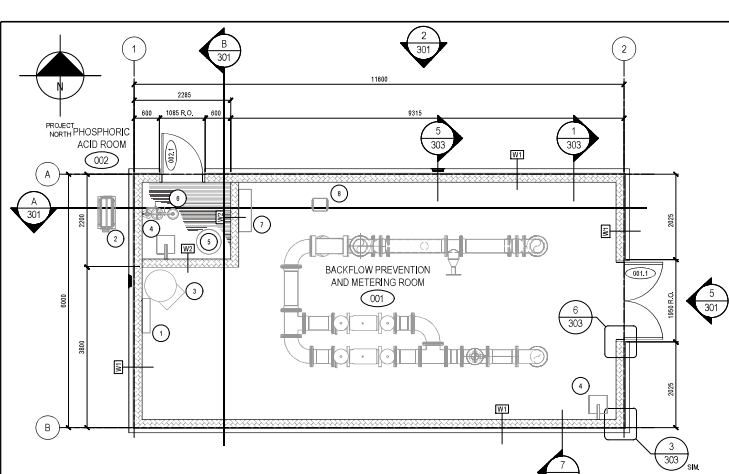
4  
203  
1:20

DETAIL - TYP. REINF.  
AT CONC. OPENINGS

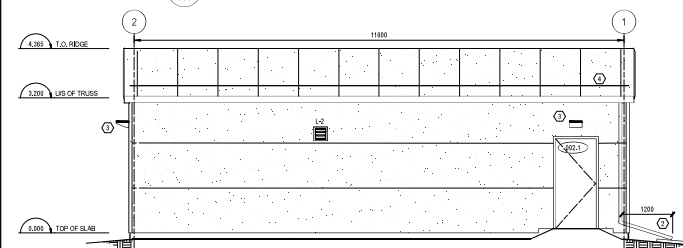
SCALE: 1:20

0 500 1000 mm

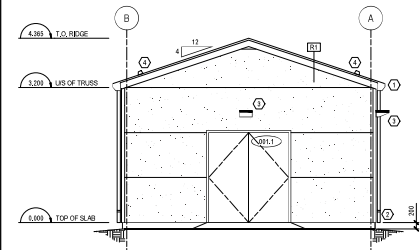
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LEVEL OF SECURITY / NIVEAU DE SÉCURITÉ <b>UNCLASS / NON CLASSIFIÉ</b>			
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 <b>EASTPOINT</b>			
KEY PLAN		PROJECT No. 3716	
			
			
0		2020/02/09	
ISSUED FOR TENDER		JBC	
NO.		DATE	
REVISION		APPROV.	
AS NOTED			
LOCATION / EMPLACEMENT			
CFB KINSTON KINSTON ONTARIO			
PROJECT / PROJET			
WATERMAIN CONNECTIONS - BACKFLOW PREVENTION & METERING			
TRADE / MÉTIER		DATE	
STRUCTURAL		2025/07/09	
SUBJECT / SUJET			
STRUCTURAL SECTIONS AND DETAILS			
PRODUCTION		REVIEWED / REVU	
DESIGNED / ÉTUDIÉ		KXJXX	
DRAWN / DESSINÉ		DES 03 / AGENT CONC	
SLD		PROJ MGR / GEST PROU	
CHECKED / VÉRIFIÉ		DES MGR / GEST CONC	
COORDINATION		FRE / INCENDIE	
ATN			
RARE NO. / NO. DTP		RF NO. / NO. DR	
N.200114.24.08.01		5007/9569	
DWG. NO. / NO. DESSIN		K-B35-9304/27 - 203	
			



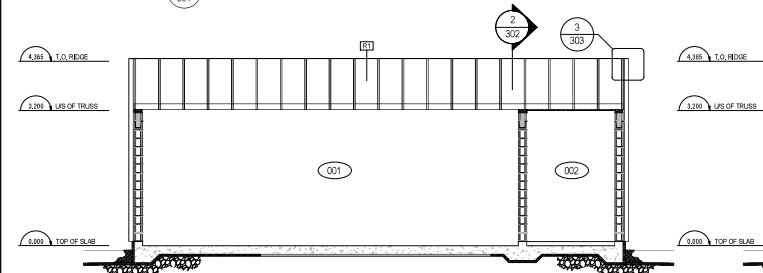
1 FLOOR PLAN (SITE 1, 2, AND 3)  
301 SCALE: 1/50



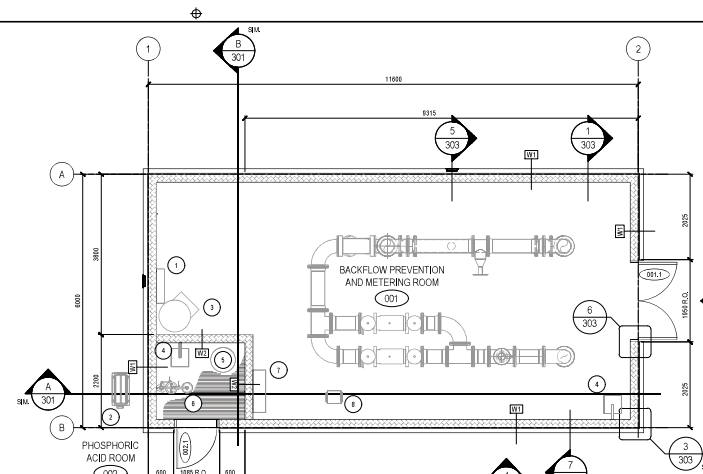
3 BUILDING ELEVATION (SITE 1, 2, AND 3)  
301 SCALE: 1/50



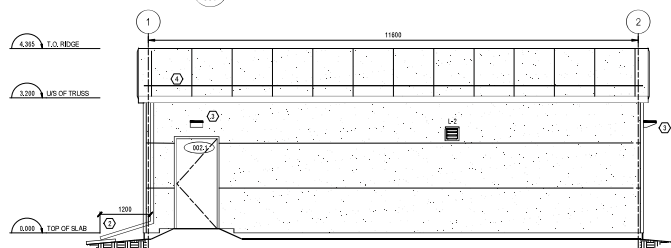
5 BUILDING ELEVATION (SITE 1, 2, AND 3)  
301 SCALE: 1/50



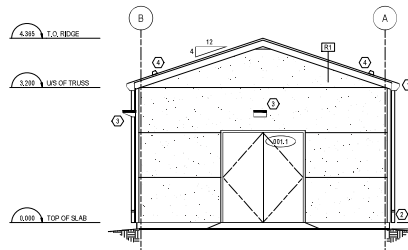
A BUILDING SECTION  
301 SCALE: 1/50



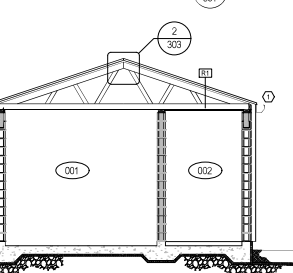
2 FLOOR PLAN (SITE 4)  
301 SCALE: 1/50



4 BUILDING ELEVATION (SITE 4)  
301 SCALE: 1/50



6 BUILDING ELEVATION (SITE 4)  
301 SCALE: 1/50



B BUILDING SECTION  
301 SCALE: 1/50

#### ABBREVIATIONS

—	NOT APPLICABLE	FLR	FLOOR
W/F	WORK FINISHED FLOOR	FINH	FINISH
ARCH	ARCHITECTURAL	F.O.	FRAME OPENING
AS	CENTER TO CENTER	FR	FRAME
CB	CONCRETE BOARD	GA	GAUGE
C.C.	CORNER	GL	GLASS
CONC	CONCRETE	HST	HEIGHT
CONET	CONSTRUCTION	INT	INTERIOR
CM	CONCRETE MASONRY	MATL	MATERIAL
DWG	DRAWING	MAX	MAXIMUM
DWS	DRAWING	MCH	MECHANICAL
EL	ELEVATION	MIN	MINIMUM
ELECT	ELECTRICAL	MISC	MISCELLANEOUS
EP	EPOXY CEILING	NA	NOT APPLICABLE
EPOK	EPOXY FLOORING	Nb.	NUMBER
EPOK	EPOXY COAT BASE	NTS	NOT TO SCALE
EQ	EQUAL	OC	ON CENTER
EVNT	EVENT	PM	PERMANENT
FIN	FINISHED	SM	SIMILAR

#### EQUIPMENT LIST:

- 1 HEAT PUMP INDOOR UNIT
- 2 HEAT PUMP OUTDOOR UNIT
- 3 HOT WATER TANK
- 4 UNIT HEATER
- 5 ACID STORAGE TANK
- 6 EMERGENCY SHOWWHEEY STATION
- 7 CHEMICAL DRAINAGE PANEL
- 8 EXHAUST FAN

#### GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA (NBC 2020) AND THE CURRENT EDITION OF THE ONTARIO BUILDING CODE, WHERE APPLICABLE.
- QUANTITIES OF WORK SHOWN ON THESE PLANS ARE APPROXIMATE. IT IS INTENDED TO INDICATE GENERAL SCOPE OF WORK AND LOCATIONS ONLY. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR IS RESPONSIBLE TO VERIFY ON SITE THE ACTUAL QUANTITIES AND EXTENT OF WORK PRIOR TO START OF CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL CHECK AND SITE VERIFY ALL DATA, SPOT ELEVATIONS, AND DIMENSIONS SHOWN ON THESE PLANS PRIOR TO COMMENCEMENT OF WORK AND SHALL REPORT ANY DISCREPANCIES AND OMISSIONS TO DEPARTMENTAL REPRESENTATIVE.
- DIMENSIONS TAKEN FROM OUTSIDE FACE OF CONCRETE BLOCK WALL/ FACE OF CONCRETE FOUNDATION WALL TO ADJUST FOR CONCRETE.
- REFER TO CIVIL DWGS FOR FINISHED GRADES ALONG PERIMETER OF BUILDING, EXTENTS OF RETAINING WALLS, GUARDRAILS & SLOPE LOCATIONS.
- REFER TO MECHANICAL AND ELECTRICAL DWGS FOR LOCATIONS OF BUILDING SERVICES INTO THE BUILDING AND MECHANICAL AND ELECTRICAL COMPONENTS.
- REFER TO STRUCTURAL DWGS FOR LOCATIONS OF BUILDING STRUCTURAL COMPONENTS.

#### KEY NOTES:

- NOTE: KEYNOTES ON ARCHITECTURE DRAWINGS ARE UNIQUE TO PAGE.
- METAL GUTTER, GUTTERS TO SLUR TO DOWNSPOUT. GUTTER TO BE SAME COLOUR AS THE ROOF. GUTTER TO BE FROM MANUFACTURER GUTTER SYSTEM INSTALL AS PER MANUFACTURER RECOMMENDATIONS.
  - METAL DOWNSPOUT, DOWNSPOUT TO EXTEND 1500 PART BASE OF BUILDING. DOWNSPOUT TO BE SAME MATERIAL AS THE GUTTER AND SAME COLOUR AS THE WALLS. CROSS SECTIONAL DIMENSIONS AS PER MANUFACTURER RECOMMENDATIONS FOR GUTTER. ANCHOR AS PER MANUFACTURER RECOMMENDATIONS. SEAL ALL ANCHOR PENETRATIONS. PLACE CONCRETE SPLASH BLOCK 75mm HIGH, 300mm WIDE AND 700mm LONG.
  - EXTERIOR WALL FINISHES REFER ELECTRICAL DRAWINGS FOR ADDITIONAL SPECIFICATIONS.
  - FULL EXTENT OF SNOW GUARDS, SNOW GUARDS TO BE ATTACHED TO CLIMBING ONTO STEERING BEAMS. INSTALLATION OF SNOW GUARDS TO FOLLOW MANUFACTURER INSTRUCTIONS AND RECOMMENDATIONS.

#### LEGEND

123	BUILDING SECTION CUT LABEL
001.1	DOOR NUMBER
34	ROOM NUMBER
DOOR	DOOR
WALL	WALL

Government of Canada  
Gouvernement du Canada

LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ  
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**EASTPOINT**

PROJECT No. 37998

KEY PLAN

PROFESSIONAL SEAL | CACHET

NO.	DATE	REVISION	APPROVED
0	2025/07/09	ISSUED FOR TENDER	JBC

SCALE | ÉCHELLE: 1:50

LOCATION | EMPLACEMENT  
**CFB KINGSTON  
KINGSTON  
ONTARIO**

PROJECT | PROJET  
**WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING**

TRADE   MÉTIER	DATE
<b>ARCHITECTURAL</b>	2025/07/09

SUBJECT | SUJET  
**FLOOR PLANS,  
ELEVATIONS, SECTIONS,  
AND NOTES**

PRODUCTION	REVIEWED   REVU	DESIGN   AGENT CONC
DESIGNED   ÉTUDIÉ	XX   XX	DESIGN   AGENT CONC
DRAWN   DÉSSINÉ		PROJ MGR   GÉST PROJ
CHECKED   VÉRIFIÉ		DES MGR   GÉST CONC
E.I.M.		FIRE   INCENDIE

COORDINATION	ATN	PR NO.   NO. DP	PR NO.   NO. DP
N.200114.24.08.01	500779569		

DWG. NO. | NO. DESIGN  
**K-B35-9304/27 - 301**

DOOR ELEVATION

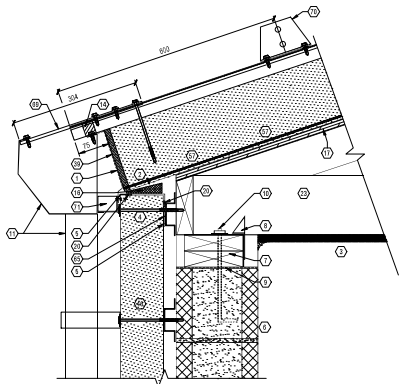
Figure 1 is an elevation view of a wall and floor junction. The wall is 100 units high. The floor is labeled 'SUBGRADE'. The wall is labeled 'EXTERIOR'. The junction is labeled 'PANEL WIDTH + 2mm REVEAL AT JUNCTIONS'.

NOTE: FORMED METAL ROOF PANEL TO BE A COMBINED AIR AND VAPOUR BARRIER.

MAIN FLOOR LEVEL		DOOR NO.	SIZE		COMPOSITION			COMPOSITION			GLAZING	HARDWARE GROUP	FIRE RATING		DOOR NO.	
No.	ROOM NAME		WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH						JAMB
001	BACKUP PREVENTION AND MITIGATING ROOM	001	2 X 95	214	01	HW	PT2	F1	HW	PT2	J1	--	#1	--	DOOR F DOOR w RFM (NAR F ASTRAGAL)	001
002	PHOSPHORIC ACID ROOM	002	95	214	01	HW	PT2	F1	HW	PT2	J1	--	#2	--		002

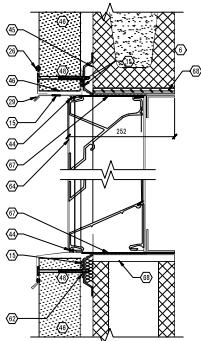
205/EAB/04 Q 18am	302	1920 DMD372058 WD20013 Watermain Connections - Back-Hill Pressure and Material/Drainage/K-B35-0016-27-302.dwg
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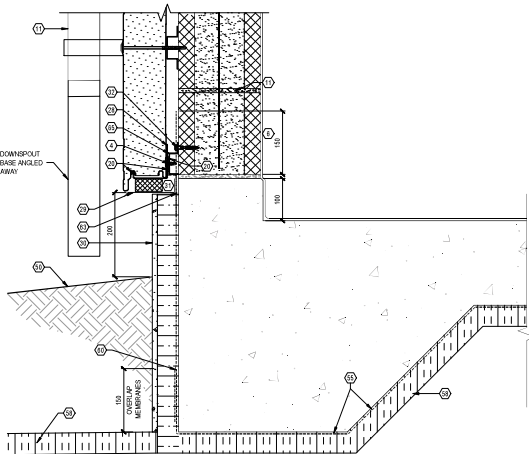
NOTE: GUTTER HANGERS REQUIRED AT EACH RIB.

1 ROOF TO WALL CONNECTION  
SCALE: 1:5

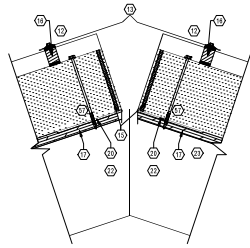


NOTE: THIS DETAIL APPLIES TO JAMB AND SHALL SEAL ENTIRE PERIMETER OF LOWER FLANGE AT CONNECTION WITH BUILDING.

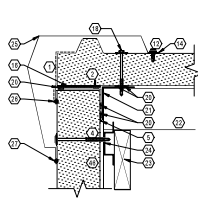
5 LOUVER SECTION DETAIL  
SCALE: 1:5



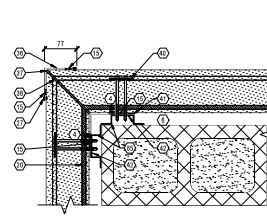
7 BASE DETAIL  
SCALE: 1:5



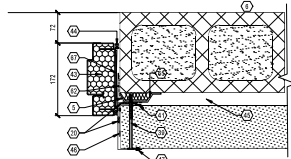
2 ROOF RIDGE SECTION DETAIL  
SCALE: 1:5



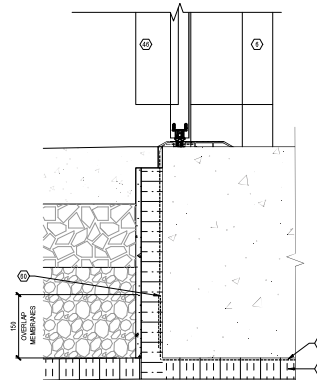
3 SLOPED ROOF EDGE SECTION DETAIL  
SCALE: 1:5



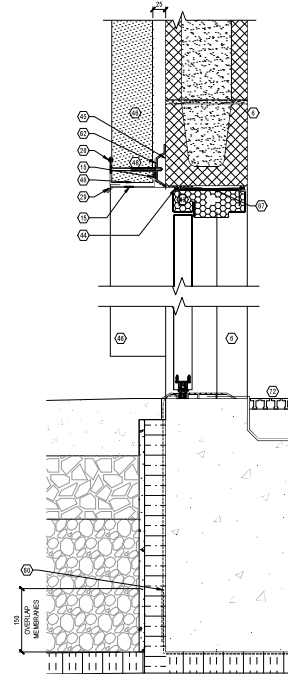
4 WALL CORNER PLAN DETAIL  
SCALE: 1:5



6 DOOR JAMB PLAN DETAIL  
SCALE: 1:5



8 DOUBLE DOOR SILL SECTION DETAIL  
SCALE: 1:5



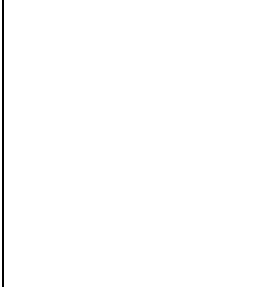
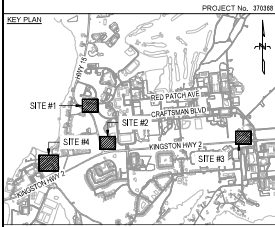
9 DOUBLE DOOR SILL SECTION DETAIL  
SCALE: 1:5

## KEY NOTE:

NOTE: KEYNOTES ON ARCHITECTURE DRAWINGS ARE UNIQUE TO PAGE.

- 1 SELF ADHERED AIR BARRIER.
- 2 15mm GEMENT BOARD (IN PHOSPHORIC ROOF SPOXY PAINT AND SEAL ALL EDGES).
- 3 ANCHOR TO METAL SUPPORTS, AS PER MANUFACTURERS INSTRUCTIONS.
- 4 OVERLAP INTERIOR AND EXTERIOR METAL CAP TRIM WITH SEALANT.
- 5 15mm BLOCK WALL (TYP) SEE STRUCTURAL. BLOCK WALL IS TO BE DETAIL AS PER STRUCTURAL REQUIREMENTS. NOT SHOWN ON ARCHITECTURAL DRAWINGS.
- 6 18mm x 14mm DOUBLE TOP PLATE (TYP) SEE STRUCTURAL.
- 7 18mm x 14mm DOUBLE TOP PLATE (TYP) SEE STRUCTURAL.
- 8 SELF ADHERED AIR AND VAPOUR BARRIER BETWEEN BLOCK WALL AND WOOD TOP PLATE.
- 9 ANCHOR BOLTS, SEE STRUCTURAL.
- 10 METAL GUTTER AND DOWNSPUTS BY MANUFACTURER. COLOUR TO MATCH ROOF PANEL COLOUR. COMPENSATE TO EXTEND MINIMUM 100mm FROM BASE OF BUILDING.
- 11 FASTENERS AS PER MANUFACTURER RECOMMENDATION. MINIMUM 25mm O.C.
- 12 OUTSIDE RIDGE CAP TRIM. COLOUR TO MATCH ROOF COLOUR.
- 13 OUTSIDE CLOSURE STRIP SET IN 25mm x 5mm BUTYL TAPE SEALANT AT TOP AND BOTTOM.
- 14 CONTINUOUS BUTYL SEALANT AS PER MANUFACTURER RECOMMENDATION.
- 15 HIDE VENT SPACER HOT AIR CIRCULATION.
- 16 18mm PRESSURE TREATED PLYWOOD.
- 17 FASTENER WITH WASHER AS REQUIRED PER WIND LOAD. CONTACT MANUFACTURER ENGINEERING FOR FASTENING REQUIREMENTS.
- 18 NOT USED.
- 19 CONTINUOUS BUTYL SEALANT AT PANEL JOINTS, JUNCTIONS (TYP), FLASHINGS, FLASHING OVERLAPS AND OTHER CONNECTIONS. SEALANT TO FORM PART OF AIR AND VAPOUR BARRIER SYSTEM. INSTALL AS PER MANUFACTURER INSTRUCTIONS.
- 20 SHEETING OR RAKE ANGLE REQUIRED.
- 21 NOT USED.
- 22 PRE-ENGINEERED WOOD TRUSS, SEE STRUCTURAL.
- 23 HAT CHANNEL INSTALLED ON SLOPE.
- 24 METAL RAKE FASCIA. COLOUR AS PER ROOF COLOUR.
- 25 CAP TRIM WITH POP RIVETS AT 200mm O.C. AS PER MANUFACTURERS INSTRUCTIONS.
- 26 POP RIVETS AT 200mm O.C. AS PER MANUFACTURERS INSTRUCTIONS.
- 27 MANUFACTURER METAL "J" BASE STARTER.
- 28 FLASHING WITH COP EDGE.
- 29 CONCRETE FLOOR INSULATION PANELS. OVERALL THICKNESS OF 100mm.
- 30 COMPRESSIBLE FOAM CLOSURE. CONTINUOUS. MUST FORM AIR AND VAPOUR BARRIER. SEAL AT JUNCTIONS.
- 31 FASTENER AS REQUIRED BY MANUFACTURER.
- 32 CONTINUOUS SEALANT.
- 33 EXPANDABLE INSULATION. CLOSED CELL AIR AND VAPOUR BARRIER.
- 34 15mm METAL FLASHING AS REQUIRED AND AS PER MANUFACTURERS RECOMMENDATIONS. COLOUR TO MATCH WALL COLOUR.
- 35 OUTSIDE METAL CORNER TRIM. COLOUR TO MATCH WALL COLOUR.
- 36 FIELD METAL PANELS.
- 37 ROOF PANEL OVERLAP MODIFICATIONS AS PER MANUFACTURER RECOMMENDATIONS FOR EAVE.
- 38 12 GA STAINLESS STEEL HIDDEN FASTENER CLIP SET CLIP IN BUTYL SEALANT. QUANTITY AND INSTALLATION AS PER MANUFACTURERS INSTRUCTIONS.
- 39 HIDDEN CORNER TRIM.
- 40 VERTICAL HAT CHANNEL AND MASONRY FASTENERS.
- 41 THERMALLY BROKEN INSULATED DOOR FRAME AND INSULATED DOOR.
- 42 CONTINUOUS PERIMETER SEALANT ON COMPRESSIBLE BACKER ROD.
- 43 NOT USED.
- 44 FIELD CUT PANELS WHERE REQUIRED. MATCH REQUIRED SLOPE IN SLOPED OUTS.
- 45 JAMB TRIM WITH POP RIVETS AT 200mm O.C. AS PER MANUFACTURERS INSTRUCTIONS.
- 46 LOW PROFILE THROUGH FASTENER.
- 47 FRAME EXTERIOR PERIMETER OF OPENING WITH METAL FLASHING. SEAL ALL JUNCTIONS.
- 48 FINISH GRADE.
- 49 GASKET AND CALLING.
- 50 15mm THRESHOLD (BOTH TO BUT OPENING AND DOOR FRAME).
- 51 EXTERIOR LANDING. SEE CIVIL.
- 52 FINISHED CONCRETE SLAB.
- 53 UNDER SLAB VAPOUR BARRIER.
- 54 NOT USED.
- 55 FASTENER WITH WASHER AS REQUIRED PER WIND LOAD. CONTACT MANUFACTURER ENGINEERING FOR FASTENING REQUIREMENTS.
- 56 FINISHED SLAB AND UNDER SLAB INSULATION TO BE 100mm R40 INSULATION INCLUDING 100mm R40 INSULATION FOR 100mm HORIZONTAL EXTERIOR ALONG ENTIRE PERIMETER.
- 57 CUT OUT IN CONCRETE FOUNDATION FOR DOOR OPENING.
- 58 FOUNDATION SHEET WATERPROOFING. OVERLAP MINIMUM 150mm WITH UNDER SLAB AND BEAM VAPOUR BARRIER TO CREATE CONTINUOUS VAPOUR BARRIER. EXTEND 100mm ONTO BLOCK WALL.
- 59 NOT USED.
- 60 SELF ADHERED AIR AND VAPOUR BARRIER. EXTEND OVERLAP 100mm ON FOUNDATION DAMP PROOFING AND ADJACENT CHANNELS MUST BE CONTINUOUS AROUND BUILDING PERIMETER AND WITH CHANNELS FOR CONTINUOUS AIR AND VAPOUR BARRIER WITH THE EXTERIOR PANELS, FLASHINGS AND SEALANTS.
- 61 EXTERIOR ANGLE ISOLATED MECHANICAL LOUVER. SEE MECHANICAL. ANCHOR AS REQUIRED BY MANUFACTURER. PROVIDE MOUNTING ANGLE AS PER MANUFACTURER RECOMMENDATIONS.
- 62 METAL HAT CHANNEL. SPACING AND LOCATION AS REQUIRED PER MANUFACTURER INSTRUCTIONS AND METAL ASSEMBLY REQUIREMENTS. FRAME AROUND OPENINGS. AS PER MANUFACTURER INSTRUCTIONS. COMPENSATE SUPPORT AS PER MANUFACTURER RECOMMENDATION. PROVIDE REINFORCEMENT WITHIN WALL ASSEMBLY FOR ANCHORS.
- 63 FULLY ADHERE CONTINUOUS AIR SEAL GASKETS ALONG ENTIRE INTERIOR PERIMETER OF ROUGH OPENINGS. TYPICAL AT EACH OPENING.
- 64 CONTINUOUS 15mm PRESSURE TREATED PLYWOOD SHEATHING ALONG ENTIRE INTERIOR PERIMETER OF ROUGH OPENINGS.
- 65 GUTTER HANGER AS PER MANUFACTURER RECOMMENDATIONS.
- 66 STEEL TUBULAR SNOW GUARDS FOR METAL ROOF. SNOW GUARD ANCHORS ON RIDGES ONLY.
- 67 TRIANGULAR METAL BREAK FORM BEHIND GUTTER SPACES 800mm O.C. BREAK FORM TO FULL SPACE BEHIND GUTTER TO HELP SUPPORT BASE OF GUTTER FROM CHANGING INTO BUILDING.
- 68 REINFORCED GRATING.

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NO.	DATE	REVISION	APPR.
0	2025/07/09	ISSUED FOR TENDER	JBC

0	2026/02/06	ISSUED FOR TENDER	JBC
NO.	DATE	REVISION	APPR.
SCALE   ÉCHELLE			

LOCATION / EMPLACEMENT  
CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT / PROJET  
WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

TRADE / MÉTIER  
ARCHITECTURAL  
SUBJECT / SUJET

DATE  
2025/07/09

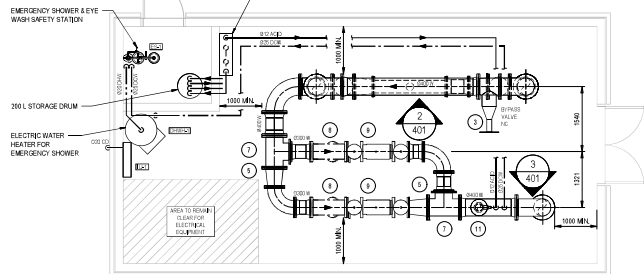
DETAILS AND NOTES

PRODUCTION	REVIEWED / REVU	DESIGNER / CONCEPTEUR
DESIGNED / ÉLUCIDÉ DMO	XX   XX	DESIGNER / CONCEPTEUR
DRAWN / Dessiné DMO		PROJ. MGR / GEST. PROJ.
CHECKED / VÉRIFIÉ EJM		DESIGNER / CONCEPTEUR
COORDINATION ATN		FRE / INCENDIE

ISSUE NO. / NO. DTP  
N.200114.24.08.01

DWG. NO. / NO. DESSIN  
K-B35-9304/27 - 303



[illegible][illegible]

Technical drawing of a water meter installation. The diagram shows a side view of a water meter assembly mounted on a wall. Key components include a turbine water meter, bypass valves, and various pipe sections. Dimensions are provided in millimeters (mm) and meters (m). The total width of the assembly is 5923 mm, and the total height is 2320 mm. The drawing includes labels for 'TURBINE WATER METER', 'BYPASS VALVE N.C.', and 'BYPASS VALVE'. Circled numbers 1 through 7 indicate specific points of interest or components.

PLUMBING EXPANSION TANK SCHEDULE					
TAG	SERVING	TYPE	ACCEPTANCE CAPACITY (L)	MAX ALLOWABLE DIMENSIONS: (DIA X H)(CM)	ACCESSORIES AND REMARKS
ET-1	DOMESTIC WATER	DIAPHRAGM	24	30,4 x 45,7	-

PLUMBING FIXTURE SCHEDULE							
TAG	QTY.	PICTURE CONNECTIONS (mm Ø)					DESCRIPTION
		DCW	DHW	SAN	VENT		
ES-1	4	12	12	-	-		CORROSION RESISTANT, PEDESTAL-MOUNTED COMBINATION SHOWER AND EYE WASH. PVC CONSTRUCTION. STAINLESS STEEL VALVES, GWS, ALARM HORN AND DOUBLE-POLE, DOUBLE THROW FLOW SWITCH AND COMBINATION EYE WASH-HORNCH (SHOWER) EMERGENCY THERMOSTATIC MIXING VALVE

DOMESTIC WATER HEATER SCHEDULE							
TAG	TYPE	TANK CAPACITY (L)	INPUT (KW)	ELECTRICAL (V / PH / Hz)	DIMENSIONS 0 x x (mm)	WEIGHT SHIPPING (FULL) (kg)	REMARKS & OPTIONS
DHW-1, DHW-2, DHW-3, DHW-4	COMMERCIAL ELECTRIC	450	6	208 / 1 / 60	750 x 1580	177 (803)	c/w GALVANIZED DRIP PAN

NOTE: ALL NUMBERS CORRELATE WITH OTHER SCHEDULES







PMPING, FITTINGS, & VALVE SPECIFICATIONS						
PIPE SERVICE	SYMBOLS	RELEVANT SPEC DIMENSION	PIPE		COMN.	COMMENTS
			Ø (mm)	SCH 40 MAT'L		
WATER MAIN	W	Ø/3	> 100	SUITE 1B, RICHIE, IN-BUILD, PVC-BLACK COPPER	FLANGED MCH-JOINT	
DOM. COLD WATER DOM. HOT WATER	DOM-W/ DOM-H	Ø/22	< 100	COPPER	SOLDER JOINT	
ACID DRAINING	ACD	Ø/48	< 25	PVC	SOLDER WELD	
DRAINAGE	AND	Ø/22	< 150	PVC	SOLVENT WELD	INSTALLED ABOVE FLOOR SLAB, DISCHARGED DRAINAGE EXTENDING ABOVE GRADE ON PEET SCREENS, & GRADED IN GRADE

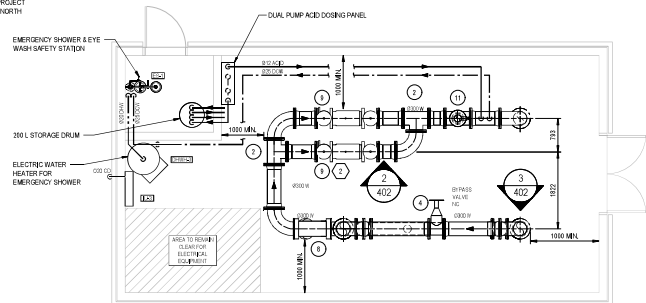
PUMP SCHEDULE								
TAG	QTY.	SERVICE	FLUID	TYPE	TUBING CONN'S CDS x LCL	FLOWRATE (L/M)	INPUT POWER (V/PH/Hz)	REMARKS & OPTIONS
P-1AB, P-2AB, P-3AB, P-4AB	8	ACID DOSING	FOOD GRADE PHOSPHORIC ACID, 75% (TO NEURALGIC AMINO ACID)	SOLENOID DIAPHRAGM METERING PUMP	1/4 x 3/16	1.3	120 / 1 / 60	REFER TO CIV 40 SPECIFICATIONS

NOTE: UNIT NUMBERS CORRELATE WITH SITE NUMBERS

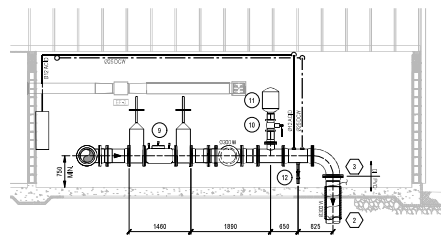
PUMP SCHEDULE								
TAG	QTY.	SERVICE	FLUID	TYPE	TUBING CONN'S CDS x LCL	FLOWRATE (L/M)	INPUT POWER (V/PH/Hz)	REMARKS & OPTIONS
P-1AB, P-2AB, P-3AB, P-4AB	8	ACID DOSING	FOOD GRADE PHOSPHORIC ACID, 75% (TO NEURALGIC AMINO ACID)	SOLENOID DIAPHRAGM METERING PUMP	1/4 x 3/16	1.3	120 / 1 / 60	REFER TO CIV 40 SPECIFICATIONS

NOTE: UNIT NUMBERS CORRELATE WITH SITE NUMBERS

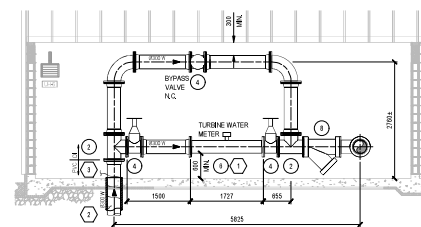
	<b>Government of Canada</b> Gouvernement du Canada	<b>Government of Canada</b> Gouvernement du Canada																								
LEVEL OF SECURITY   NIVEAU DE SÉCURITÉ <b>UNCLASSIFIED   NON CLASSIFIÉ</b>																										
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 <b>EASTPOINT</b>																										
<b>KEY PLAN</b>		PROJECT NO. 31016																								
																										
<b>NOTES:</b> 1. FITTED TO SHOW AREAS TO REPRESENT APPROXIMATE SPACE REQUIREMENTS. 2. SEE TO UTILITIES KINGSTON AND DRAWING W8402-28 FOR FURTHER INFORMATION																										
PROFESSIONAL SEAL   CACHET																										
																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">0</td> <td style="width: 40%;">2025/07/09</td> <td style="width: 40%;">ISSUED FOR TENDER</td> <td style="width: 10%; text-align: right;">JBC</td> </tr> <tr> <td></td> <td></td> <td>REVISION</td> <td style="text-align: right;">APPR.</td> </tr> </table>			0	2025/07/09	ISSUED FOR TENDER	JBC			REVISION	APPR.																
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		REVISION	APPR.																							
SCALE   ÉCHELLE 1:50 																										
LOCATION   EMPLACEMENT <b>CFB KINGSTON</b> <b>ONTARIO</b>																										
PROJECT   PROJET <b>WATERMAIN CONNECTIONS -</b> <b>BACKFLOW PREVENTION &amp;</b> <b>METERING</b>																										
TRADE   MÉTIER <b>MECHANICAL</b>		DATE <b>2025/07/09</b>																								
SUBJECT   SUJET <b>WATER METER</b> <b>PIPING LAYOUTS AND DETAILS</b> <b>SITES 1 &amp; 2</b>																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">PRODUCTION</td> <td style="width: 33%;">REVIEWED   REVU</td> <td style="width: 34%;">DESIG   AGENT CONC</td> </tr> <tr> <td>DESIGNED   ÉTUDE</td> <td>XX   XX</td> <td></td> </tr> <tr> <td>DRAWN   TRACÉ</td> <td></td> <td>PROJ MGR   GÉST PRO</td> </tr> <tr> <td>RCJ</td> <td></td> <td></td> </tr> <tr> <td>CHECKED   VÉRIFIÉ</td> <td></td> <td>DES MGR   GÉST CONC</td> </tr> <tr> <td>MWN</td> <td></td> <td></td> </tr> <tr> <td>COORDINATION</td> <td></td> <td>FRE   INCIDENCE</td> </tr> <tr> <td>ATN</td> <td></td> <td></td> </tr> </table>			PRODUCTION	REVIEWED   REVU	DESIG   AGENT CONC	DESIGNED   ÉTUDE	XX   XX		DRAWN   TRACÉ		PROJ MGR   GÉST PRO	RCJ			CHECKED   VÉRIFIÉ		DES MGR   GÉST CONC	MWN			COORDINATION		FRE   INCIDENCE	ATN		
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COORDINATION		FRE   INCIDENCE																								
ATN																										
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DWG. NO.   NO. DESSIN <b>K-B35-6304/27 - 401</b>																										



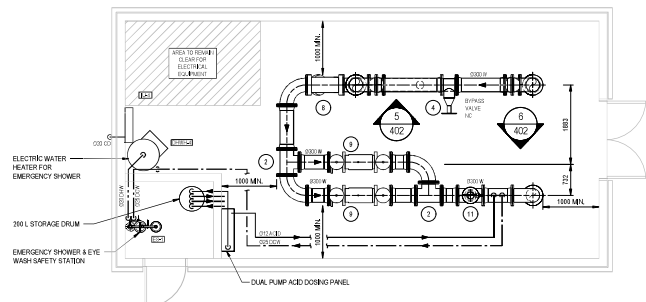
1 PLAN - LAYOUT 1 - 300 mm SERVICE (SITE 3)  
SCALE: 1:50



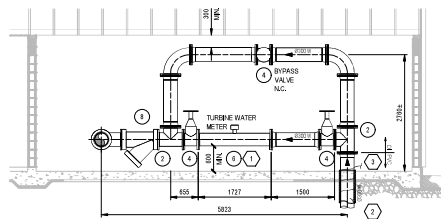
2 ELEVATION - 300 mm SERVICE (SITE 3) - WATER METER  
SCALE: 1:50



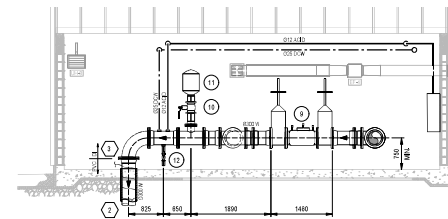
3 ELEVATION - 300 mm SERVICE (SITE 3) - BACKFLOW PREVENTER  
SCALE: 1:50



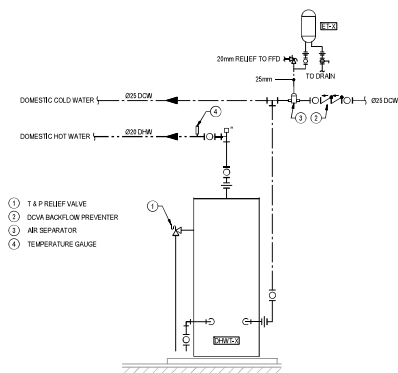
4 PLAN - LAYOUT 2 - 300 mm SERVICE (SITE 4)  
SCALE: 1:50



5 ELEVATION - 300 mm SERVICE (SITE 4) - WATER METER  
SCALE: 1:50



6 ELEVATION - 300 mm SERVICE (SITE 4) - BACKFLOW PREVENTER  
SCALE: 1:50



7 SCHEMATIC - ELECTRIC DOMESTIC HOT WATER SYSTEM  
SCALE: N.T.S.

KEYNOTES			
1	WATER METER TO BE SUPPLIED BY OTHERS (UTILITIES/INSTALLED INSTALLATION SHALL BE COMPLETED BY CONTRACTOR TO UTILITIES KINGSTON/FRANCOIS).		
2	INSTALL ELECTRIC HEAT TRACE WIRE AND 25mm INSULATION TO WATER MAIN TO A MINIMUM OF 100 mm INSULATION AND HEAT TRACE TO BE SUITABLE FOR WET LOCATIONS / BURIED INSTALLATIONS.		
3	REFER TO ELECTRICAL DRAWINGS FOR POWER CONNECTION.		

KEY			
1	Ø40x100x100 EQUAL TEE		
2	Ø20x100x100 EQUAL TEE		
3	Ø40x GATE VALVE		
4	Ø20x GATE VALVE		
5	Ø40x100x100 REDUCER		
6	Ø20x TURBINE WATER METER		
7	Ø40x100x100 REDUCING TEE		
8	Ø20x STRAINER		
9	Ø20x DCA BACKFLOW PREVENTER		
10	ISOLATION VALVE		
11	THERMAL EXPANSION TANK		
12	DRAIN VALVE		

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LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

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PROJECT No. 37008

KEY PLAN

NOTES:

1. REFER SHOWN HERE TO REPRESENT APPROXIMATE SPACE REQUIREMENTS. REFER TO UTILITIES KINGSTON DETAIL DRAWING W1545-118 FOR FURTHER INFORMATION.

PROFESSIONAL SEAL | CACHET

0	2025/07/09	ISSUED FOR TENDER	JBC
NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE

1:50

0 50 100 150 200 250 300 mm

LOCATION | EMPLACEMENT

CFB KINGSTON  
KINGSTON  
ONTARIO



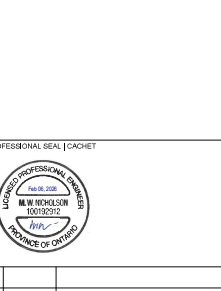
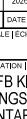

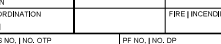
PROJECT | PROJET

WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

TRADE   MÉTIER	MECHANICAL	DATE	2025/07/09
SUBJECT   SUJET	WATER METER PIPING LAYOUTS AND DETAILS SITES 3 & 4		

DESIGNED   ÉTUDIÉ	RCJ	DESIGNED CONC.	
DRAWN   Dessiné	RCJ	PROJ. MGR   GÉST. PROJ.	
CHECKED   VÉRIFIÉ		DES. MGR   GÉST. CONC.	
COORDINATION		FIRE   INCENDIE	
ATN			
PROJ. NO.   NO. DTP	N.200114.24.08.01	PROJ. NO.   NO. DP	500779569
DWG. NO.   NO. DESSIN			K-B35-9304/27 - 402

Canada

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 <b>EASTPOINT</b>		
PROJECT NO. 371868		
		
PROFESSIONAL SEAL / CACHET 		
0	2025/09/06	ISSUED FOR TENDER
NO.	DATE	REVISION
SCALE / ÉCHELLE		
LOCATION / EMPLACEMENT <b>CFB KINGSTON KINGSTON ONTARIO</b>		
PROJECT / PROJET <b>WATERMAIN CONNECTIONS - BACKFLOW PREVENTION &amp; METERING</b>		
TRADE / MÉTIER <b>MECHANICAL</b>		DATE <b>2025/07/09</b>
SUBJECT / SUJET <b>METER ENCLOSURE HVAC LAYOUTS AND DETAILS</b>		
PRODUCTION DESIGNED / ÉTUDIÉ RCU DRAWN / Dessiné RCU CHECKED / VÉRIFIÉ MMN COORDINATION ATN		REVIEWED / REVU XX / XX DES O / AGENT CONC PROJ MGR / GEST PROJ DES MGR / GEST CONC FIRE / INCENDIE
WBS NO. [IND. OTP NO.201114.24.08.01		RF NO. [IND. DP 500779569
DWG. NO. [IND. DESIGN		<b>K-B35-9304/27 - 403</b>
		

GENERAL ELECTRICAL NOTES:

- THESE GENERAL NOTES APPLY TO ALL DRAWINGS, DESIGN EQUIPMENT, FABRICATION, CONSTRUCTION AND ANY OTHER ASPECTS ASSOCIATED WITH THIS WORK.
- THE CONTRACTOR IS TO CONSTRUCT BASED UPON THE DESIGN AND TYPICAL DETAILS PROVIDED HERE IN AND IN ACCORDANCE WITH THE CANADIAN ELECTRICAL CODE. DEVIATIONS ARE TO BE APPROVED BY THE DCC REPRESENTATIVE. THE CONTRACTOR IS TO IDENTIFY ANY DISCREPANCIES BETWEEN THE DRAWINGS, CANADIAN ELECTRICAL CODE, OR ACCEPTED INDUSTRY PRACTICES TO THE DCC REPRESENTATIVE FOR CLARIFICATION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION, TESTING, AND COMMISSIONING OF ALL NEW ELECTRICAL EQUIPMENT INSTALLED UNDER THIS WORK SCOPE.
- LOCATION OF EQUIPMENT IS SHOWN APPROXIMATELY. DO NOT SCALE LOCATION OFF DRAWINGS. SELECT THE FINAL LOCATION TO SUIT ACTUAL SITE SITUATION.
- REPORT ANY DISCREPANCIES TO THE DCC REPRESENTATIVE BEFORE PLACING ORDERS AND PROCEEDING WITH THE CONSTRUCTION.
- SUPPLY AND INSTALL ALL NEW ITEMS UNLESS SPECIFICALLY NOTED OTHERWISE.
- PROVIDE ALL LIFTING, HOISTING, RIGGING, AERIAL ACCESS AND OTHER EQUIPMENT REQUIRED FOR PERFORMANCE OF WORK.
- PROVIDE ALL NECESSARY EQUIPMENT, AND LABELS, LABOR, WARRANTIES, CERTIFICATIONS AND LICENSES AS REQUIRED FOR A COMPLETE WORKING SYSTEM, REGARDLESS IF SPECIFICALLY LISTED.
- THE CONTRACTOR IS TO REPAIR ANY DAMAGE TO THE EXISTING WALLS, CEILING, ROOF, OR FLOOR CAUSED BY THE WORK INVOLVED WITH THIS PROJECT.
- ALL CHALLENGING SITES & TYPES TO BE AS INDICATED ON THE DRAWINGS.
- ALL MATERIAL SHALL BE NEW AND C.S.A. APPROVED UNLESS OTHERWISE NOTED. ALL MODIFICATIONS TO BE C.S.A. APPROVED.
- ALL WORK IN THE CONTRACT TO BE COORDINATED WITH OTHER DESIGN AND DRAWINGS TO DETERMINE EXACT LOCATIONS OF EQUIPMENT, ETC. REPORT ANY DISCREPANCIES TO THE DCC REPRESENTATIVE.
- ALL CONDUITS AND CABLES TO BE SECURELY FASTENED WITH APPROVED MOUNTING HARDWARE.
- THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE SITE'S SAFE LOCK-OUT PROCEDURES WHEN DEVIATING POWER CIRCUITS. ALL WORK AND POWER INTERRUPTIONS ARE TO BE COORDINATED WITH THE DCC REPRESENTATIVE.
- THE CONTRACTOR IS TO SUPPLY AND INSTALL ALL EQUIPMENT, FIELD DEVICES, AND MATERIALS AS INDICATED ON DRAWINGS.
- CONTRACTOR IS RESPONSIBLE TO FULLY SUPPORT ALL EXISTING UTILITIES THAT ARE UNDETERMINED BY ANY TRENCH DATA OR C/W INFO. CONTRACTORS TO PROVIDE SUPPORT DETAILS AND/OR SHOP DRAWINGS FOR EXISTING INFRASTRUCTURE WHERE UNDETERMINED OCCURS.
- ALL ELECTRICAL EQUIPMENT THAT IS LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN PERSONS OF POTENTIAL ELECTRIC SHOCK AND ARE FLASH-HAZARDOUS. THE MARKING SHALL BE LOCATED SO THAT IT IS CLEARLY VISIBLE TO PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
- CONTRACTOR TO USE WOOD FORMING ON BEHALF OF DUCT BARS REQUIRING CONCRETE ENCASMENT. NO EARTH FORMING ALLOWED.

ELECTRICAL CONSTRUCTION NOTES:

- ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL NEW ELECTRICAL EQUIPMENT AND ALL RELATED WIRING, CONDUIT, AND SUPPORTS AS PER THE CONTRACT PACKAGE.
- ELECTRICAL CONTRACTOR TO ENSURE MINIMUM OF 1m CLEARANCE IS MAINTAINED IN FRONT OF ELECTRICAL EQUIPMENT AS PER CEC CODE.
- ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL NEW BREAKERS AS NECESSARY FOR ELECTRICAL DEVICES AND MECHANICAL EQUIPMENT.
- ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL WIRING, CONDUIT, RELATED SUPPORTS AND DISCONNECT MEANS TO MECHANICAL EQUIPMENT WHERE INDICATED. LOCATED AS PER DRAWING EXACT LOCATIONS OF EQUIPMENT TO BE DETERMINED PRIOR TO CONSTRUCTION.
- ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL LIMITED LABELS ON ALL ELECTRICAL EQUIPMENT AND CONTROLS, AS PER SPECIFICATIONS.

GENERAL POWER NOTES:

- THE CONTRACTOR TO COORDINATE ALL INSTALLATIONS WITH ARCHITECTURAL AND MECHANICAL CONTRACTORS TO PREVENT INTERFERENCE BETWEEN ELECTRICAL AND ALL OTHER INSTALLATIONS.
- ALL WIRING FOR 1A AND 2A BRANCH CIRCUIT BREAKERS TO BE MINIMUM #12AWG OR AS SHOWN ON DRAWINGS.
- CONTRACTOR TO RUN ALL CONDUITS IN AS STRAIGHT A LINE AS POSSIBLE AND GROUP TOGETHER FOR LONGER RUNS WHEN GOING FROM ONE AREA TO ANOTHER.
- REFERENCE SINGLE LINE DIAGRAM FOR EACH SITE FOR ALL REMAINING WIRE, CABLE AND CONDUIT DETAILS.

SITE LAYOUT LEGEND

SYMBOL	DESCRIPTION
	EXISTING TOPOGRAPHY
	NEW CIVIL WORK
	NEW ELECTRICAL WORK
	SECONDARY POWER UNDERGROUND LINE
	COMMUNICATIONS UNDERGROUND LINE
	GROUND CONDUCTOR
	GROUNDING ROD
	PULL BOX
	INDICATOR LIGHT

SINGLE LINE DIAGRAM LEGEND

SYMBOL	DESCRIPTION
	EXISTING
	NEW
	TRANSFORMER
	BREAKER
	FUSE
	DISCONNECT SWITCH
	MANUAL TRANSFER SWITCH
	POWER JUNCTION BOX
	COMMUNICATIONS JUNCTION BOX
	DIRECT CONNECTION

POWER LEGEND

SYMBOL	DESCRIPTION
	POWER PANEL DISTRIBUTION/PANEL
	TRANSFORMER
	FUSED DISCONNECT SWITCH
	DISCONNECT SWITCH
	MANUAL TRANSFER SWITCH
	DUPLEX RECEPTACLE, GROUND FAULT INTERRUPTER
	DIRECT CONNECTION
	GENERATOR RECEPTACLE
	DIRECT CONNECTION
	COMBINATION ALARM C/W HORN & STROBE

LIGHTING LEGEND

SYMBOL	DESCRIPTION
	CIRCUIT WIRING
	SINGLE POLE LIGHT SWITCH
	120mm LINEAR LUMINAIRE, VARIOUS TIGHT
	610mm LINEAR LUMINAIRE, VARIOUS TIGHT
	EXTERIOR WALL PACK C/W PHOTO SENSOR CONTROL
	REMOTE EMERGENCY LIGHT, SINGLE HEAD WALL MOUNTED
	EMERGENCY LIGHT, DOUBLE HEADED C/W BATTERY PACK

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LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

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PROJECT No. 37988

KEY PLAN

PROFESSIONAL SEAL | CACHET

0	2025/07/09	ISSUED FOR TENDER	JBC
NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE

LOCATION | EMPLACEMENT

CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT | PROJET

WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

TRADE   MÉTIER	DATE
ELECTRICAL	2025/07/09
SUBJECT   SUJET	

GENERAL NOTES AND LEGENDS

PRODUCTION	REVIEWED   REVU
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**CONCLUSIONS**







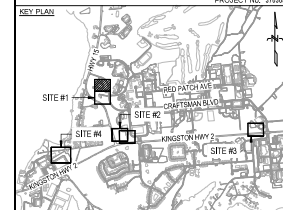
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PROJECT No. 37136



KEYNOTES:

- ① CONTRACTOR TO TERMINATE NEW BUILDING SERVICE ENTRANCE FEEDER AT EXISTING PADMOUNT TRANSFORMER SECONDARY TERMINALS. COORDINATE WITH DCC REPRESENTATIVE.
- ② CONTRACTOR TO SUPPLY AND INSTALL NEW UNDERGROUND BUILDING SERVICE ENTRANCE FEEDER FROM EXISTING PADMOUNT TRANSFORMER AS SHOWN ON DRAWING. COORDINATE EXACT ROUTING WITH DCC REPRESENTATIVE.

PROFESSIONAL SEAL | CACHET



0	2026/02/06	ISSUED FOR TENDER	JBC
NO.	DATE	REVISION	APPR.

LOCATION | EMPLACEMENT  
CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT | PROJET

## WATERMAIN CONNECTIONS - BACKFLOW PREVENTION & METERING

TRADE   MÉTIER	DATE
ELECTRICAL	2025/07/09

ELEC11000 SUBJECT   SWJET	2023/07/05 SITE #1 - NEW POWER LAYOUT
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SITE #1 - NEW POWER LAYOUT  
(SHEET 2 OF 2)

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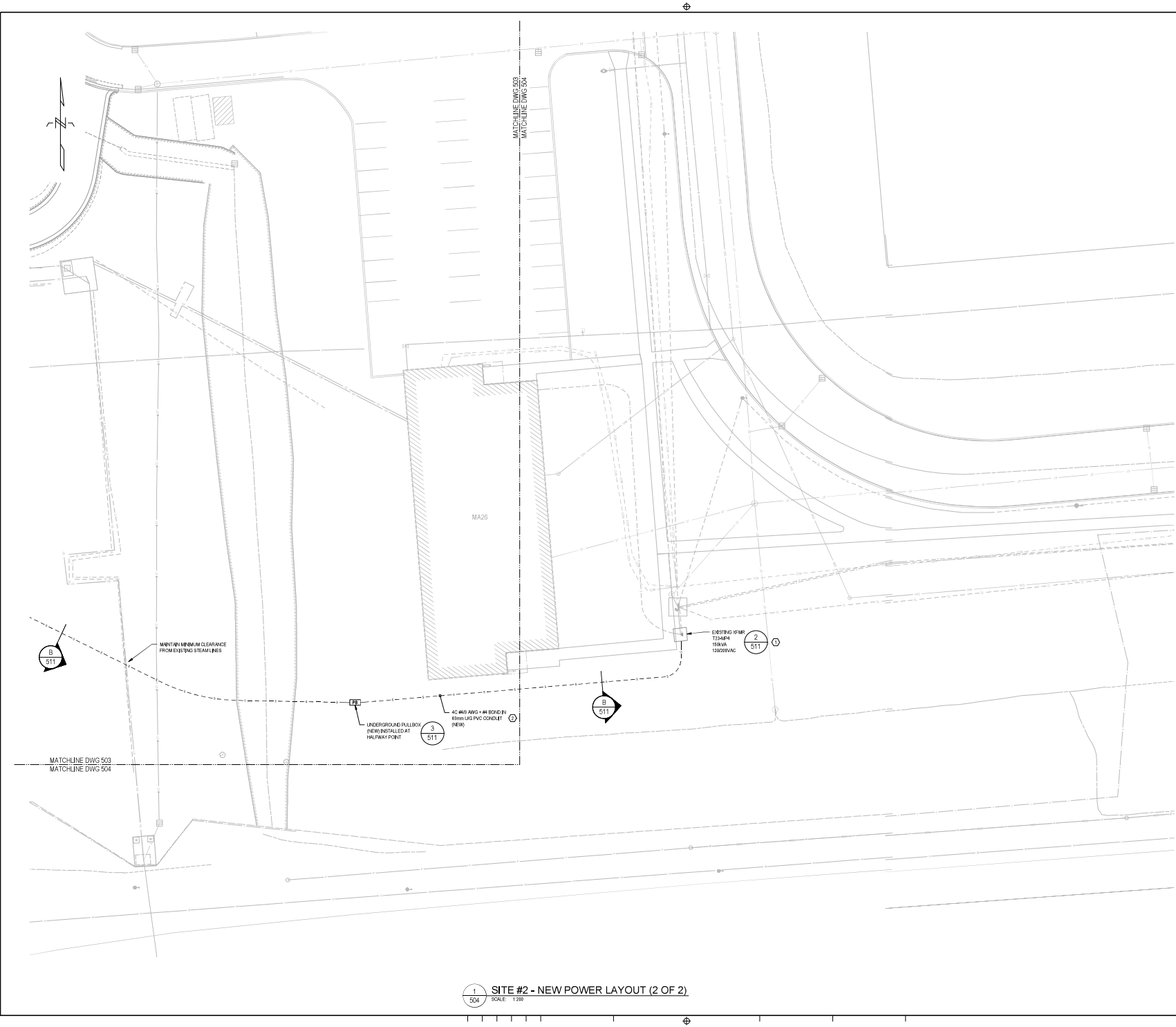
COORDINATION		FIRE   INCENDIE
JBC		

WBS NO.   NO. OTP N.200114.24.08.01	PF NO.   NO. DP 500779569
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DWG. NO. | NO. DESSIN K-B35-9304/27 - 502

Canada<sup>TM</sup>





1 504 SITE #2 - NEW POWER LAYOUT (2 OF 2)  
SCALE: 1:200

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PROJECT No. 37938

KEY PLAN

KEYNOTES:

1

CONTRACTOR TO TERMINATE NEW BUILDING SERVICE ENTRANCE FEEDER AT EXISTING PADMOUNT TRANSFORMER SECONDARY TERMINALS COORDINATE WITH MCC REPRESENTATIVE.

2

CONTRACTOR TO SUPPLY AND INSTALL NEW UNDERGROUND BUILDING SERVICE ENTRANCE FEEDER FROM EXISTING PADMOUNT TRANSFORMER AS SHOWN ON DRAWING. COORDINATE EXACT ROUTING WITH MCC REPRESENTATIVE.

PROFESSIONAL SEAL | CACHET

NO.	DATE	REVISION	APPR.
0	2025/07/06	ISSUED FOR TENDER	JBC

SCALE | ÉCHELLE  
1:200

LOCATION | EMPLACEMENT

CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT | PROJET

WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

TRADE | MÉTIER

ELECTRICAL

DATE

2025/07/09

SUBJECT | SUJET

SITE #2 - NEW POWER LAYOUT  
(SHEET 2 OF 2)

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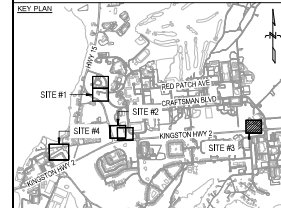
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PROJECT No. 37938



KEYNOTES:

- CONTRACTOR TO SUPPLY AND INSTALL NEW MANUAL TRANSFER SWITCH, GENERATOR RECEPTACLE, POWER PANEL, DISCONNECT SWITCHES, TRANSFORMER, GROUNDING AND ALL EQUIPMENT FEEDERS AS SHOWN ON DRAWING. COORDINATE EXISTING ROUTING METHOD/CC REPRESENTATIVE.
- CONTRACTOR TO SUPPLY AND INSTALL NEW UNDERGROUND BUILDING SERVICE ENTRANCE FEEDER FROM EXISTING PNEUMOUNT TRANSFORMER AS SHOWN ON DRAWING. COORDINATE EXISTING ROUTING METHOD/CC REPRESENTATIVE.
- CONTRACTOR TO SUPPLY AND INSTALL A COMMUNICATIONS CONDUIT FROM INSIDE BUILDING TO A STUB-OUT LOCATION FOR FUTURE COMMUNICATIONS. BE-4N COORDINATE LOCATION OF STUB-OUT WITH MCC REPRESENTATIVE.
- CONTRACTOR TO TERMINATE NEW BLDG. SERVICE ENTRANCE FEEDER AT EXISTING PNEUMOUNT TRANSFORMER SECONDARY TERMINALS. COORDINATE BE-4N METHOD/CC REPRESENTATIVE.
- TRANSFER SWITCH SCHEME IS DESIGNED FOR FLOATING NEUTRAL. GENERATOR CONNECTION.

PROFESSIONAL SEAL / CACHET



NO.	DATE	REVISION	APPR.
0	2025/07/06	ISSUED FOR TENDER	JBC

SCALE / ÉCHELLE 1:200

LOCATION / EMPLACEMENT  
CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT / PROJET  
WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

TRADE / MÉTIER  
ELECTRICAL

DATE 2025/07/09

SUBJECT / SUJET

SITE #3 - NEW POWER LAYOUT

PRODUCTION		REVIEWED / REVU	
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DRAWN / DESSINÉ			PROJ. MGR. / GÉO. PROJ.
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COORDINATION			FIRE / INCENDIE
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WBS NO. / NO. DTP		PF NO. / NO. DP	
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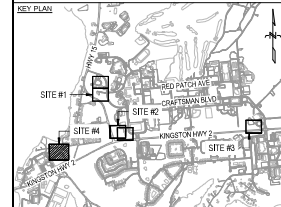
Canada

1 SITE #3 - NEW POWER LAYOUT  
SCALE: 1:200

2 SITE #3 - PARTIAL SINGLE DIAGRAM  
SCALE: N.T.S.



PROJECT No. 37998



KEYNOTES:

- CONTRACTOR TO SUPPLY AND INSTALL NEW MANUAL TRANSFER SWITCH, GENERATOR RECEPTACLE, POWER PANEL, DISCONNECT SWITCHES, TRANSFORMER, GROUNDING AND ALL EQUIPMENT FEEDERS AS SHOWN ON DRAWING. COORDINATE EXACT ROUTING METHOD WITH MECHANICAL CONTRACTOR.
- CONTRACTOR TO SUPPLY AND INSTALL NEW UNDERGROUND BUILDING SERVICE ENTRANCE FEEDER FROM EXISTING PADMOUNT TRANSFORMER AS SHOWN ON DRAWING. COORDINATE EXACT ROUTING METHOD WITH MECHANICAL REPRESENTATIVE.
- CONTRACTOR TO SUPPLY AND INSTALL A COMMUNICATIONS CONDUIT FROM INSIDE BUILDING TO A STUB-OUT LOCATION FOR FUTURE COMMUNICATIONS. BEND COORDINATE LOCATION OF STUB-OUT WITH MECHANICAL REPRESENTATIVE.
- CONTRACTOR TO TERMINATE NEW BLDG. SERVICE ENTRANCE FEEDER AT EXISTING PADMOUNT TRANSFORMER SECONDARY TERMINALS. COORDINATE BEND WITH MECHANICAL REPRESENTATIVE.
- TRANSFER SWITCH SCHEME IS DESIGNED FOR FLOATING NEUTRAL GENERATOR CONFIGURATION.

PROFESSIONAL SEAL | CACHET



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NO.	DATE	REVISION	APPR.
SCALE   ÉCHELLE			
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LOCATION | EMPLACEMENT  
CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT | PROJET  
WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

TRADE | MÉTIER  
ELECTRICAL

DATE  
2025/07/09

SUBJECT | SUJET  
SITE #4 - NEW POWER LAYOUT

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COORDINATION JBC	DATE 2025/07/09	FIRE   INCENDIE

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N.200114.24.08.01

ISSUE NO. | NO. DP  
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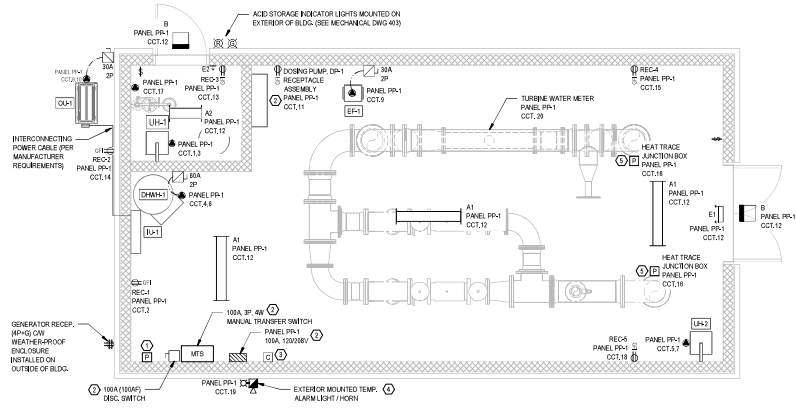
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K-B35-9304/27 - 506

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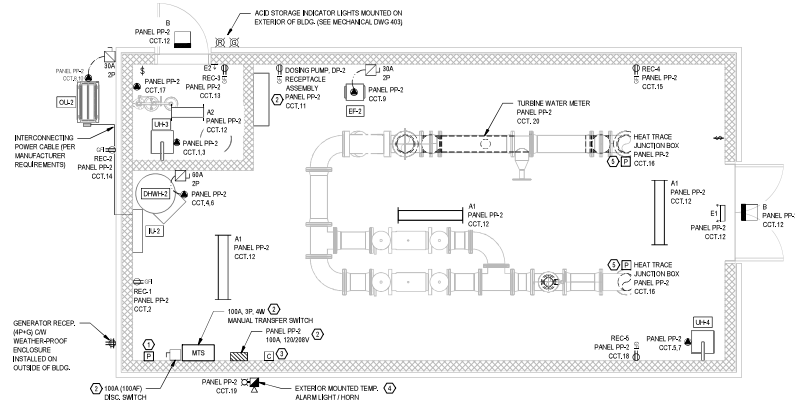
1 SITE #4 - NEW POWER LAYOUT  
SCALE: 1:200

2 SITE #4 - PARTIAL SINGLE DIAGRAM  
SCALE: N.T.S.

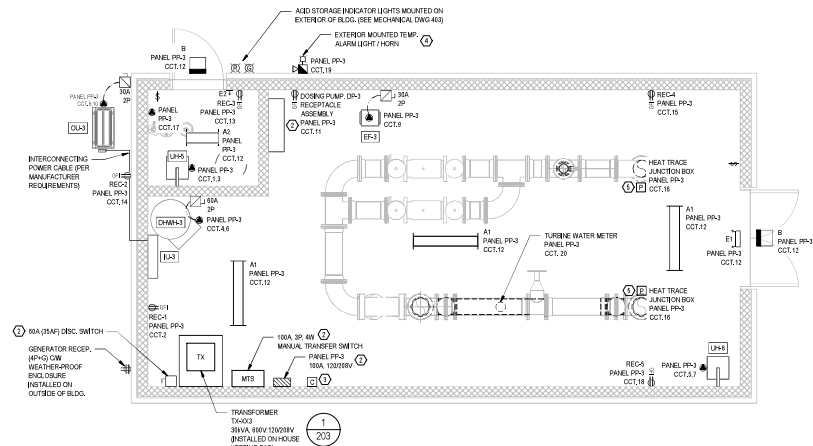




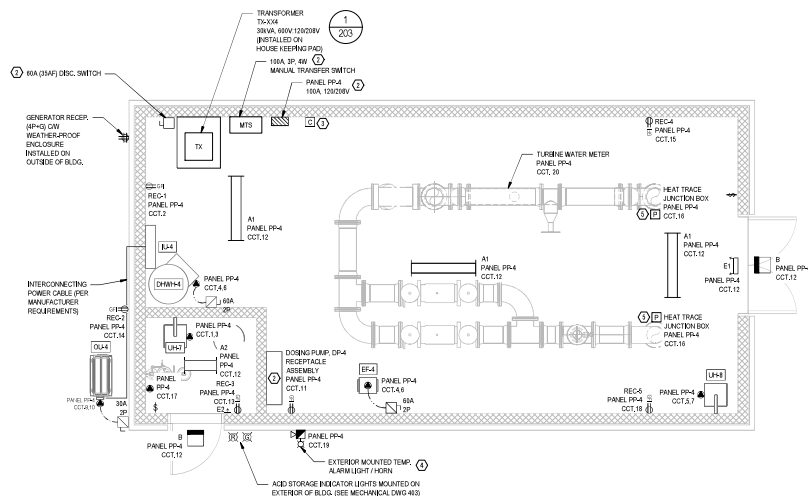
1 PLAN - ELECTRICAL LAYOUT (SITE 1)  
510 SCALE: 1:48



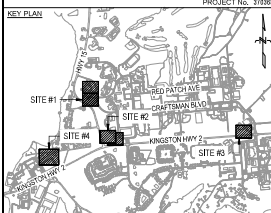
2 PLAN - ELECTRICAL LAYOUT (SITE 2)  
510 SCALE: 1:48



3 PLAN - ELECTRICAL LAYOUT (SITE 3)  
510 SCALE: 1:48



4 PLAN - ELECTRICAL LAYOUT (SITES 4)  
510 SCALE: 1:48



- KEYNOTES:
- CONTRACTOR TO SUPPLY AND INSTALL NEW JUNCTION BOX WITH TERMINAL BLOCKS TO REDUCE WIRE SIZE PRIOR TO ENTRY INTO THE NEW DISCONNECT SWITCH WHERE SWITCH VENDOR CANNOT SUPPLY EQUIPMENT WITH SUITABLE LUGS.
  - CONTRACTOR TO ENSURE A 10 MINIMUM CLEARANCE IN FRONT OF ALL ELECTRICAL EQUIPMENT, DISCONNECTS AND SYSTEM CONTROL PANELS.
  - CONTRACTOR TO INSTALL A COMMUNICATIONS JUNCTION BOX ON INTERIOR WALL FOR FUTURE TIE-IN. COORDINATE LOCATION WITH OCC REPRESENTATIVE.
  - CONTRACTOR TO SUPPLY AND INSTALL EXTERIOR MOUNTED TEMPERATURE ALARM LIGHT / HORN. MOUNT ON SIDE OF BUILDING FACING THE OCCUPIED PORTIONS OF THE BASIL. COORDINATE WITH MECHANICAL FOR TEMPERATURE ALARM CONTACTS AND TIE-IN POINTS.
  - CONTRACTOR TO SUPPLY AND INSTALL HEAT TRACE JUNCTION BOX ON ROOFS AS SHOWN. COORDINATE HEAT TRACE SPECIFICATIONS AND INSTALLATION DETAILS WITH MECHANICAL CONTRACTOR.



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NO.	DATE	REVISION	APPR.
SCALE / ÉCHELLE: 1:40			

LOCATION / EMPLACEMENT  
CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT / PROJET  
WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

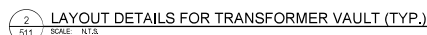
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SUBJECT / SUJET  
POWER PLANS

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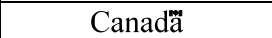
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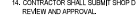
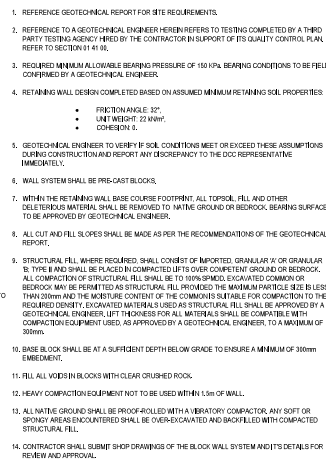
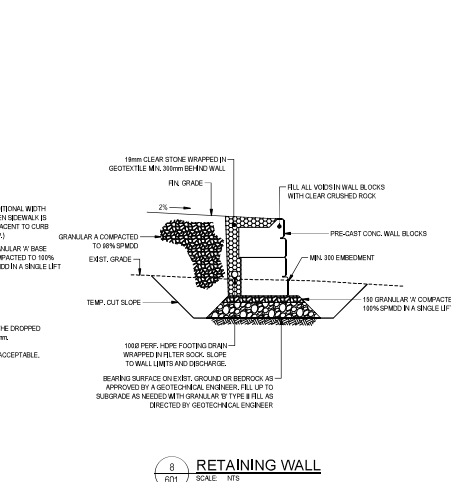
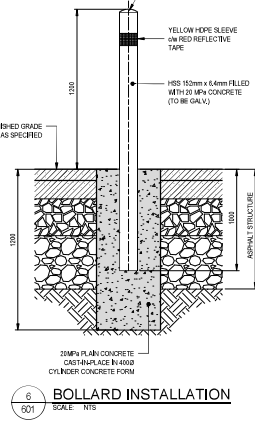
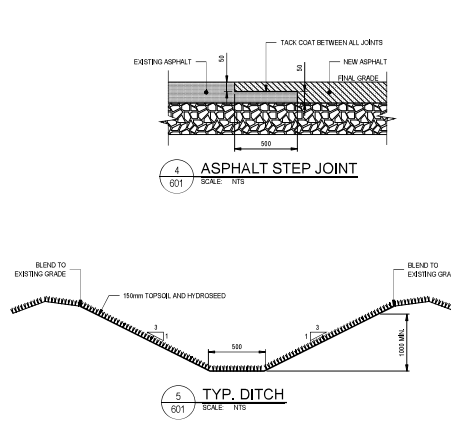
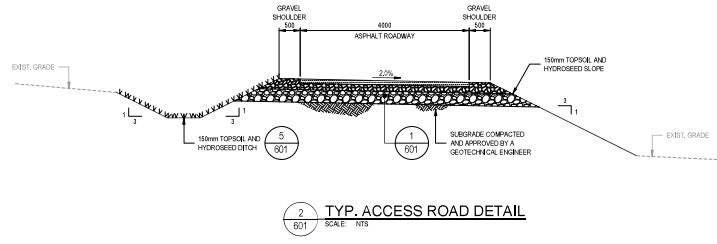


DISTRIBUTION PANEL PP-1 (TYP EACH BLDG. SEE NOTES BELOW)											
VOLTAGE:		208/208V		MAIN BREAKER:		100A		MAIN BUS:		100A	
NO. OF CCTS:		30		PHASES/WIRES:		3 PH 4W		IC RATING:		18KA	
LOAD DESCRIPTION				AMPS	CCT	PH	CCT	AMPS	LOAD DESCRIPTION		
UNIT HEATER, UH-1				20	1	A	2	15	RECEPTACLE REC-1		
					3	B	4	40	HOT WATER TANK DHWH-1		
					5	C	0				
UNIT HEATER, UH-2				20	7	A	8	15	HEAT PUMP UH-1 / U-1		
EXHAUST FAN EF-1				15	9	B	10				
DOSING PUMP DP-1 RECEPTACLE ASSEMBLY				15	11	C	12	15	BLDG LIGHTS / EMERG. LIGHTING		
RECEPTACLE REC-3				15	13	A	14	15	RECEPTACLE REC-2		
RECEPTACLE REC-4				15	15	B	16	15	WATERMAN INLET / OUTLET HEAT TRACING		
EYE WASH STATION ALARM / CONTROL				15	17	C	18	15	RECEPTACLE REC-5		
BUILDING TEMPERATURE ALARM / CONTROL				15	19	A	20	15	TURBINE WATER METER		
SPARE				16	21	B	23	16	SPARE		
SPARE				15	23	C	24	15	SPARE		
SPARE				15	25	A	26	15	SPARE		
SPARE				15	27	B	28	15	SPARE		
SPARE				15	29	C	30	15	SPARE		

NOTES:  
1. TYPICAL POWER PANEL LAYOUT.  
2. PP-1, 2, 3, 4 FOR CORRESPONDING UNITS.  
3. UH-1, 2, 3, 4 FOR CORRESPONDING UNITS.  
4. UH-1, 2, 3, 4 FOR CORRESPONDING UNITS.  
5. DHWH-1, 2, 3, 4 FOR CORRESPONDING UNITS.  
6. EF-1, 2, 3, 4 AND DP-1, 2, 3, 4 FOR CORRESPONDING UNITS.  
7. UNIT HEATERS UH-1, 2, UH-3, UH-5, AND UH-7, 8 FOR UNITS 1, 2, 3, 4.

NOTE: FIXTURES SHALL BE COMPLETE WITH ALL REQUIRED ACCESSORIES, MOUNTINGS, TRIMS, ETC.



[illegible]

1. CONTRACTOR SHALL CARRY OUT ENVIRONMENTAL PROTECTION MEASURES IN ACCORDANCE WITH THE PROVINCIAL AND BASE REQUIREMENTS AND AS OUTLINED IN SECTION 0113.43 OF THE PROJECT SPECIFICATIONS.
2. THE CONTRACTOR SHALL SUBMIT ITS OWN REINFORCEMENT AND EROSION CONTROL PLAN TO THE DCC REPRESENTATIVE FOR REVIEW, PROVIDE A MINIPAP OF THE SITE PLAN AND INDICATE THE PROTECTION DEVICES AND METHODS TO BE USED.
3. THE CONTRACTOR SHALL INCORPORATE A ROUTINE EROSION-CONTROL CHECK TO ENSURE THE INTEGRITY OF PROTECTION MEASURES USED.
4. MINOR EROSION AND SILENT CONTROL MEASURES FROM THE TIME OF INSTALLATION UNTIL AFTER FINISHING TOWARDS THE END OF THE PROJECT SHALL BE USED. CONTRACTORS SHALL REMOVE CONTROL ONLY AFTER ALL SURFACES HAVE BEEN ESTABLISHED.
5. CONTRACTOR SHALL MONITOR METEOROLOGICAL CONDITIONS AND FORECAST AS A PROACTIVE MEANS TO MINIMIZE THE POTENTIAL FOR EROSION.
6. REPAIR SCIENTIFIC AND EROSION CONTROL MEASURES ON A DAILY BASIS BEFORE AND AFTER HEAVY PRECIPITATION AND REPAIR AS NECESSARY.

**WATER NOTES:**

1. REFER TO SPECIFICATION 01 55 43.01 - "ENVIRONMENTAL PROTECTION - SOIL MANAGEMENT".
2. COORDINATE WORK WITH DCC REPRESENTATIVE. DCC REPRESENTATIVE WILL BE RESPONSIBLE TO COORDINATE WITH UTILITIES KINGSTON.
3. ALL WATER METERS WILL BE SUPPLIED BY THE DCC REPRESENTATIVE THROUGH UTILITIES KINGSTON. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLATION.
4. SITE NUMBER SHALL BE COMPLETED USING A LINE ITEM. DCC REPRESENTATIVE WILL COVER THE COST OF LINE ITEM DIRECTLY WITH UTILITIES KINGSTON. CONTRACTOR WILL BE RESPONSIBLE FOR ALL OTHER WORKS INCLUDING EXCAVATION, BACKFILLING, COORDINATION AND SCHEDULING WITH DCC REPRESENTATIVE. CONTRACTOR TO ALSO SUPPLY THE TAPPING SLEEVE AND VALVE.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONFIRMING THE LOCATION OF ALL UNDERGROUND UTILITIES. LOCATES SHALL BE COORDINATED WITH DCC REPRESENTATIVE.

6. PLACE WATER PIPE SO THAT MIDPOINT OF A FULL LENGTH OF PIPE IS OVER ANY OTHER PIPE CROSSING AT ALL TIMES.
7. ALL WATER VALVES SHALL BE GATE VALVES. GATE VALVES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
8. VALVES SHALL OPEN WHEN TURNED IN A COUNTERCLOCKWISE DIRECTION PER CFB KINGSTON STANDARD.
9. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH POLYETHYLENE ENCASEMENT.
10. ALL BENDS, TEES, FITTINGS, END CAPS, VALVES AND HYDRANTS SHALL BE INSTALLED WITH CONCRETE THRUST BLOCKS OR MECHANICAL RESTRAINTS.
11. FOR PIPE LARGER THAN 300mm, THE CONTRACTOR SHALL SUPPLY ENGINEER STAMPED SHOP DRAWINGS FOR THRUST RESTRAINTS.

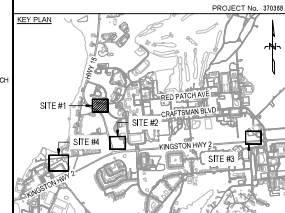
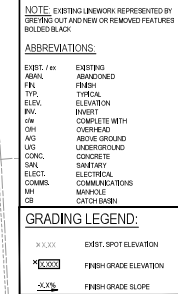
OUT IN THE PRESENCE OF THE DCC REPRESENTATIVE. TESTING SHALL INCLUDE SWABBING, PRESSURE TESTING, CHLORINATION-DECHLORINATION AND BACTERIOLOGICAL SAMPLING. REFERENCE TO SPECIFICATION, CPSS 441 AND MSCP 2000. ALL TESTING SHALL BE OVERSEEN AND APPROVED BY A THIRD-PARTY FIRM SPECIALIZING IN WATERMAIN INSTALLATIONS. COSTS FOR COMMISSIONING SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICING. TESTING AND CHL PLAN TO BE SUBMITTED AND APPROVED PRIOR TO SITE MOBILIZATION.

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 <b>EASTPOINT</b>		
KEY PLAN		PROJECT No. 31208
		
<div style="position: absolute; top: 5px; left: 5px; font-size: x-small;">         PROFESSIONAL SEAL / CACHET   </div>		
0	2026/02/06	ISSUED FOR TENDER
N.O.	DATE	REVISION
SCALE / ÉCHELLE		AS NOTED
LOCATION / EMPLACEMENT <b>CFB KINGSTON</b> <b>KINGSTON</b> <b>ONTARIO</b>		
PROJECT / PROJET <b>WATERMAIN CONNECTIONS -          BACKFLOW PREVENTION &amp;          METERING</b>		
TRADE / MÉTIER	DATE	
CIVIL	2025/07/09	
SUBJECT / SUJET		APPR.
<b>NOTES AND DETAILS</b> <b>(SHEET 1 OF 2)</b>		
PRODUCTION	REVIEWED / REVU	
DESIGNED / ÉTUDE	AK / XX	DES 0 / AGENT CONC
DRAWN / DESSIN		PROJ MGR / GEST PROJ
MMS		DES MGR / GEST CONC
CHECKED / VÉRIFIÉ		
ATN		FRE / INCIDENCE
COORDINATION		
JBC		
MBS NO. [NO. OTP	RF NO. [NO. DP	
N.200114.24.08.01	500779569	
DWG. NO. [NO. DESSIN	K-B35-9304-27 / 601	
		





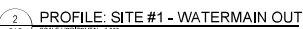
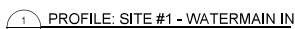




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1. COORDINATE ALL WORK AROUND EXISTING UTILITIES WITH THE DCC REPRESENTATIVE.



PROFESSIONAL SEAL | CACHET



0	2026/02/06	ISSUED FOR TENDER	JBC
NO.	DATE	REVISION	APPROVAL

LOCATION | EMPLACEMENT  
CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT | PROJET

**WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING**

TRADE / MÉTIER CIVIL	DATE 2025/07/09
SUBJECT / SUJET	

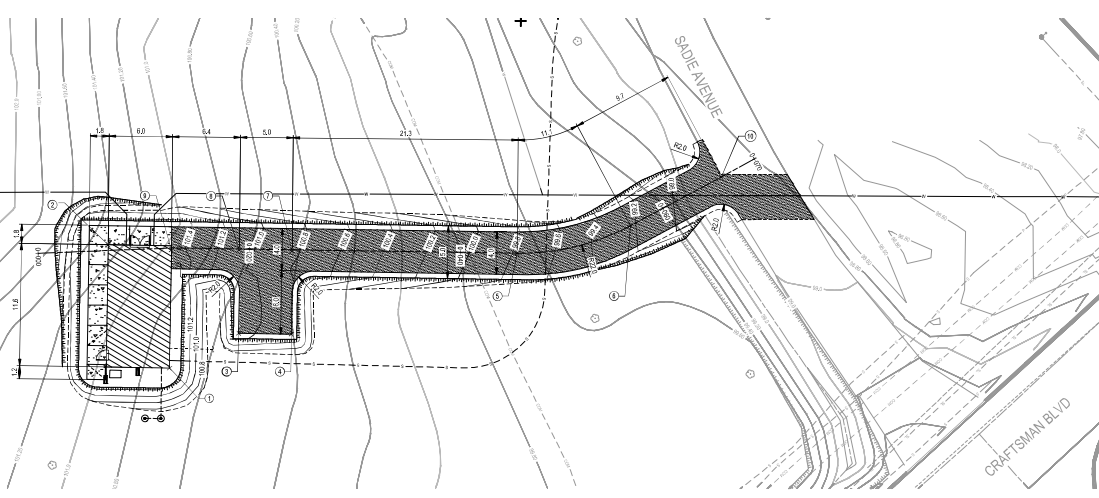
## SITE #1 - UTILITY PROFILES

PRODUCTION	REVIEWED   REVU	
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DRAWN   DESSINE MMS		PROJ MGR   GEST PROJ
CHECKED   VERIFIE ATN		DES MGR   GEST CONC
COORDINATION		FRE   INCENDIE

WBS NO.   NO. OTP N.200114.24.08.01	PF NO.   NO. DP 500779569
DWG. NO.   NO. DESSIN	K-B35-9304/27 - 613



COORDINATE TABLE			
POINT #	DESCRIPTION	NORTHING (m)	EASTING (m)
1	BUILD CORNER	489998.0927	353415.5385
2	BUILD CORNER	489999.5825	353403.1893
3	EDGE OF ASPHALT	489999.2839	353417.4899
4	EDGE OF ASPHALT	490001.1176	353426.8487
5	BEGINNING OF CURVE	490002.5585	353428.8151
6	END OF CURVE	490003.6191	353432.8884
7	L	490005.0860	353414.5395
8	L	490001.2321	353411.3540
9	L	489999.2234	353407.3302
10	L	490004.1774	353434.4758



1 PLAN: SITE #1 ACCESS ROAD  
SCALE: 1:300  
1:200

**LEGEND**

**PLANIMETRY**

BUILDING OUTLINE  
ASPHALT AREA  
CONCRETE AREA  
GRAVELLED AREA  
TOP OF SLOPE  
CHURCH LINE FENCE LINE  
TREE LINE  
SIDE SLOPE  
SIGN  
MONITORING WELL  
BOREHOLE

**UTILITIES**

WATER LINE  
STORM LINE  
SANITARY LINE  
CHIMNEY ELECT. LINE  
VALVE BOX  
CULVERT  
FIRE HYDRANT  
STORM MANHOLE  
STORM CATCH-BASE  
SANITARY MANHOLE  
ELECT. POLE  
STREETLIGHT

**NOTE:** EXISTING NETWORK REPRESENTED BY GREYING  
NOT REVIEWED OR RE-DESIGNED FEATURES BOLD BLACK

**ABBREVIATIONS**

EXIST. / EX. EXISTING  
ASPH. ASPHALT  
FIN. FINISH  
TYP. TYPICAL  
ELEV. ELEVATION  
INVERT INVERT  
OV. OVER  
CONC. COMPLETE WITH  
OVERHEAD  
UNDERGROUND  
CL. CAST IRON  
CONC. CONCRETE  
SBL SANITARY  
ELECT. ELECTRICAL  
COMM. COMMUNICATIONS  
M.V. MOTOR VEHICLE  
CB CATCH-BASE

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**EASTPOINT**

**KEY PLAN**

**PROFESSIONAL SEAL | CACHET**

NO.	DATE	REVISION	APPROVED
0	2025/07/09	ISSUED FOR TENDER	JBC

**LOCATION | EMPLACEMENT**  
**CFB KINGSTON**  
**KINGSTON**  
**ONTARIO**

**PROJECT | PROJET**  
**WATERMAIN CONNECTIONS -**  
**BACKFLOW PREVENTION &**  
**METERING**

**TRADE | MÉTIER**  
**CIVIL**

**DATE**  
**2025/07/09**

**SUBJECT | SUJET**  
**SITE #1 - ACCESS ROAD PLAN**  
**AND PROFILE**

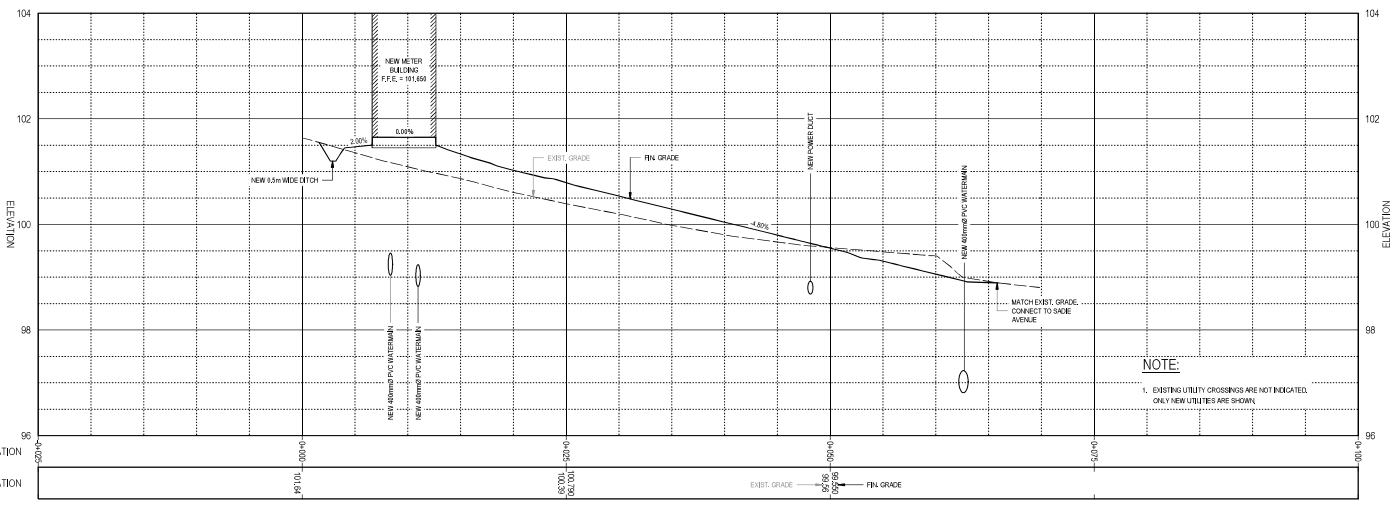
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ATN		FRÉ   INCENDIE

**COORDINATION**  
**JBC**

**PROJ. NO. | NO. CTP**  
**N.200114.24.08.01**

**PROJ. NO. | NO. DP**  
**500779569**

**DWG. NO. | NO. DESSIN**  
**K-835-9304/27 - 614**



2 PROFILE: SITE #1 - ACCESS ROAD  
SCALE: HORIZONTAL: 1:300  
SCALE VERTICAL: 1:40  
1:200  
1:40

13751 00012008 ACCESS ROAD WATERMAIN CONNECTIONS - Backflow Prevention and Metering (Drawing) (Drawing) - 24 Aug 2025

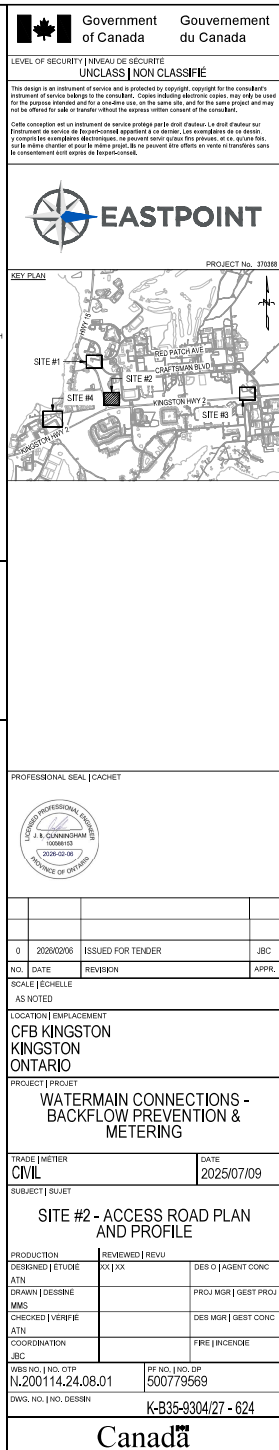
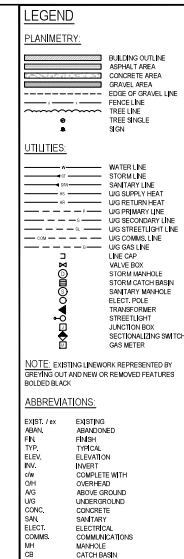
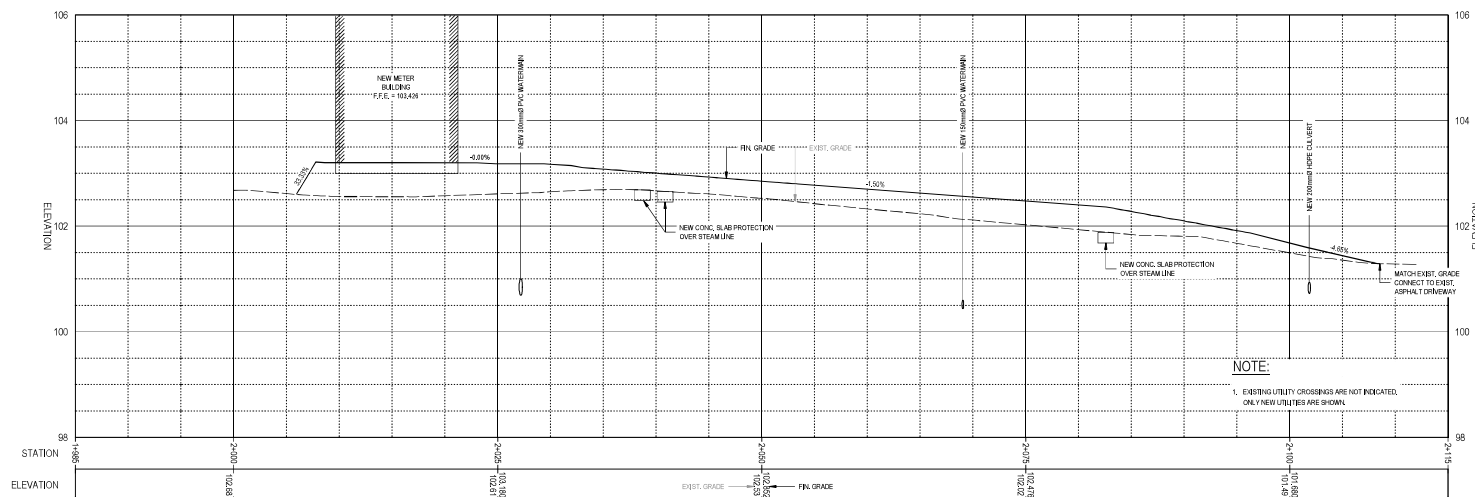
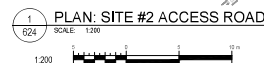
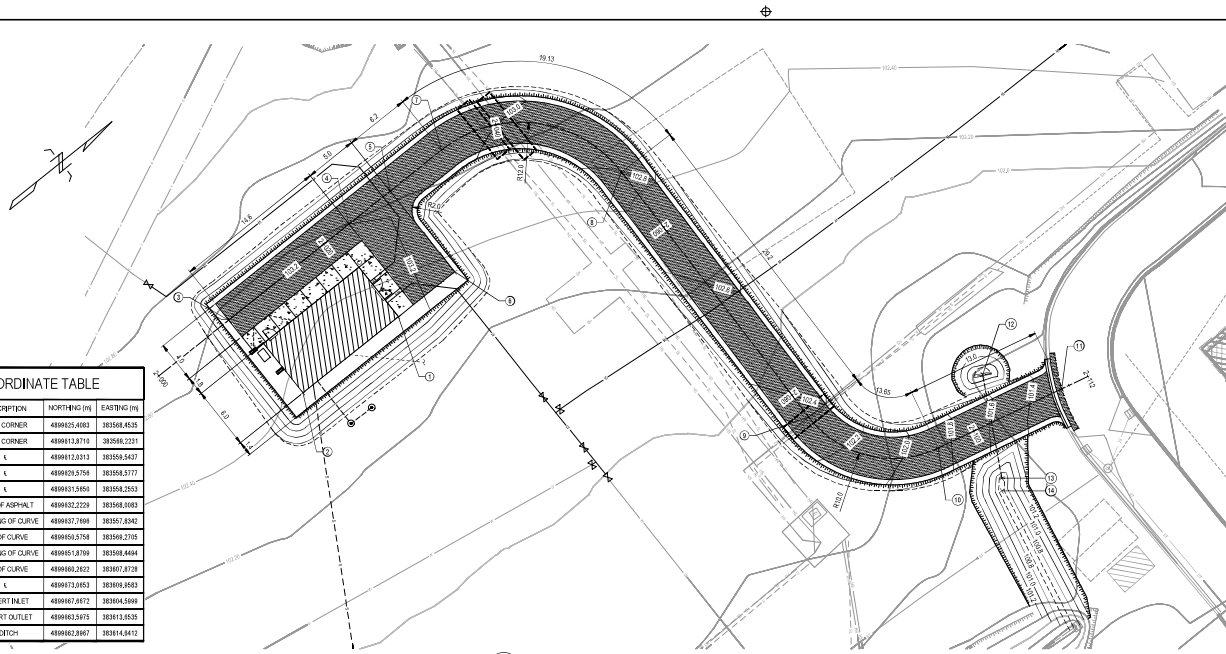










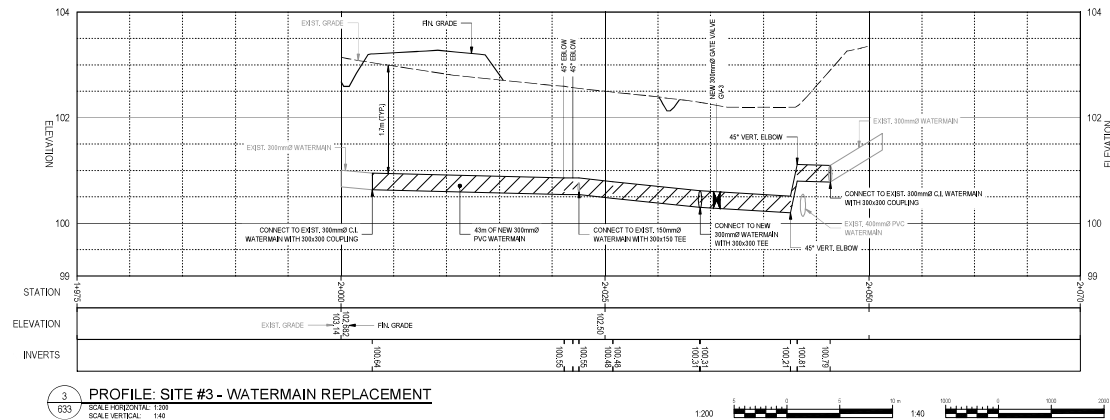
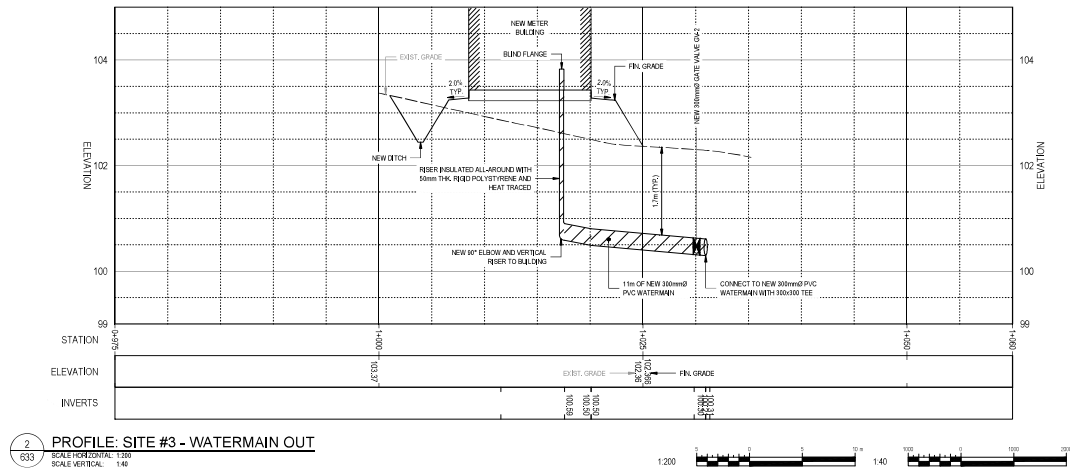
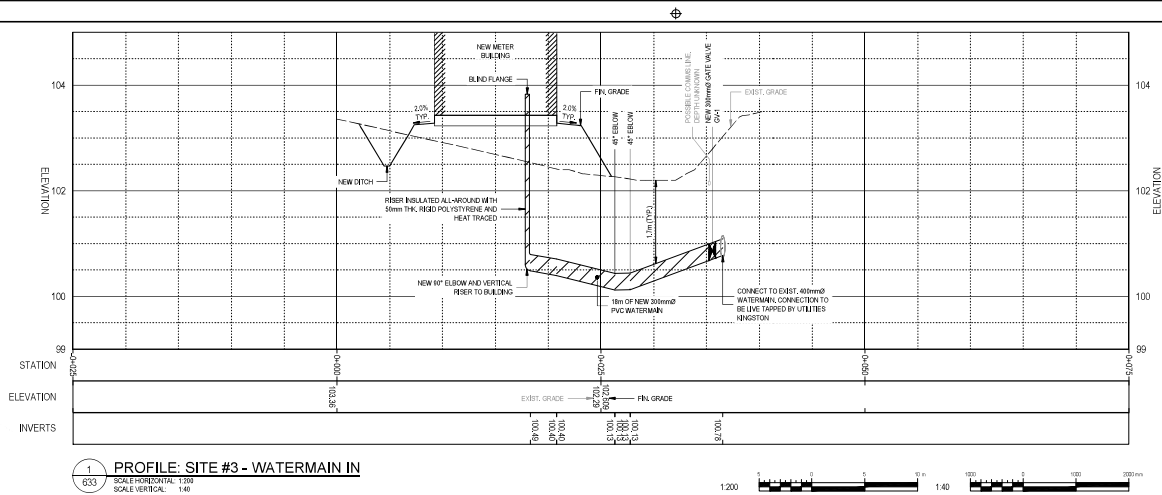












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**EASTPOINT**

KEY PLAN

PROJECT No. 3703R

**NOTE:**

1. COORDINATE ALL WORK AROUND EXISTING UTILITIES WITH THE DCC REPRESENTATIVE.

PROFESSIONAL SEAL / CHÂNET

0	2026/02/06	ISSUED FOR TENDER	JBC
NO.	DATE	REVISION	APPR.

SCALE / ÉCHELLE  
 AS NOTED

LOCATION / EMPLACEMENT  
**CFB KINGSTON  
 KINGSTON  
 ONTARIO**

PROJECT / PROJET  
**WATERMAIN CONNECTIONS -  
 BACKFLOW PREVENTION &  
 METERING**

TRADE / MÉTIER  
**CIVIL**

SUBJECT / SUJET  
**SITE #3 - UTILITY PROFILES**

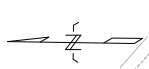
DATE  
 2025/07/09

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CHECKED / VÉRIFIÉ	ATN	CHECKED / VÉRIFIÉ	ATN
COORDINATION	JBC	COORDINATION	JBC
REVIEWED / REVU	XX   XX	REVIEWED / REVU	XX   XX
DESIGNED / ÉTUDE	ATN	DESIGNED / ÉTUDE	ATN
DRAWN / DESSIN	MMS	DRAWN / DESSIN	MMS
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COORDINATION	JBC	COORDINATION	JBC

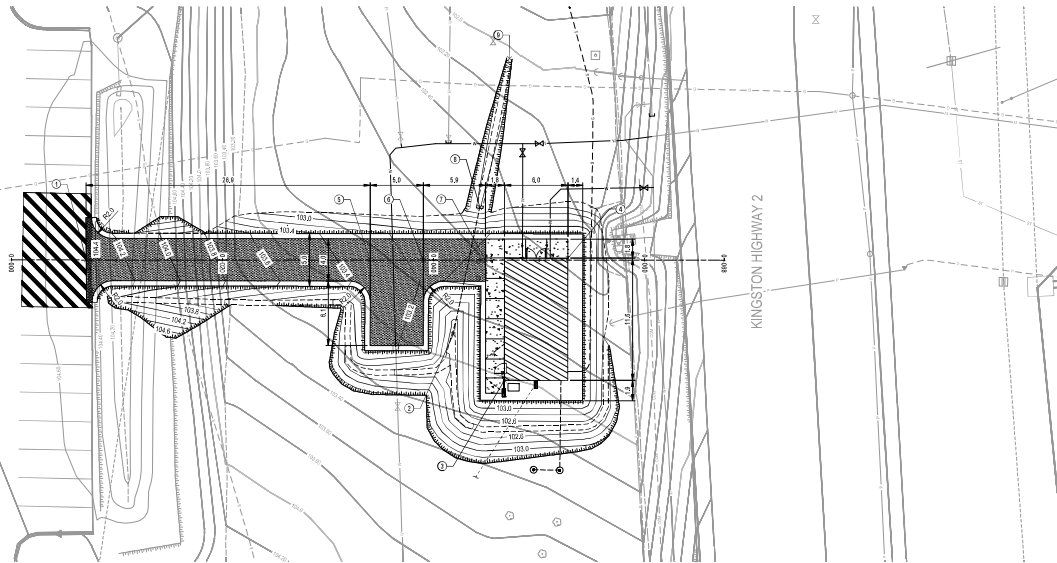
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 N.200114.24.08.01

REV. NO. / NO. DP  
 500779569

DWG. NO. / NO. DESSIN  
 K-835-9304/27 - 633



COORDINATE TABLE			
POINT #	DESCRIPTION	NORTHING (m)	EASTING (m)
1	CL	4910713.0885	394968.1309
2	CLVERT INLET	4910714.1669	394968.1420
3	BLOG CORNER	4910714.2669	394968.2569
4	BLOG CORNER	4910686.4330	394968.8074
5	CL	4910687.1179	394968.8715
6	CL	4910682.0949	394968.5351
7	CL	4910676.2026	394968.6098
8	CLVERT OUTLET	4910676.8032	394973.6047
9	DITCH 1	4910674.1864	394968.7270



1 PLAN: SITE #3 ACCESS ROAD  
SCALE: 1:300  
1:200

**LEGEND**  
**PLANIMETRY:**  
BUILDING OUTLINE  
ASPHALT AREA  
CONCRETE AREA  
GRAVEL AREA  
EDGE OF GRAVEL LINE  
FENCE LINE  
TREE LINE  
TREE SINGLE  
SIGN  
**UTILITIES:**  
WATER LINE  
STORM LINE  
SANITARY LINE  
UG SUPPLY HEAT  
UG RETURN HEAT  
UG PRIMARY LINE  
UG SECONDARY LINE  
UG STREET LIGHT LINE  
UG COMM LINE  
UG GAS LINE  
LINE CAP  
VALVE BOX  
STORM MANHOLE  
STORM CATCH BASIN  
SANITARY MANHOLE  
ELECT. POLE  
TRANSFORMER  
STREET LIGHT  
JUNCTION BOX  
SECTIONALIZING SWITCH  
GAS METER  
**NOTE:** EXISTING LINEWORK REPRESENTED BY DOTTED OUT AND NEW OR REMOVED FEATURES BOLDDED BLACK.  
**ABBREVIATIONS:**  
EXIST. / EX. EXISTING  
ABAND. ABANDONED  
FIN. FINISH  
TYP. TYPICAL  
ELEV. ELEVATION  
INV. INVERT  
RM. COMPLETE WITH  
OVERHEAD  
UG. UNDERGROUND  
AVG. ABOVE GROUND  
CONC. CONCRETE  
SAN. SANITARY  
ELECT. ELECTRICAL  
COMM. COMMUNICATIONS  
MH. MANHOLE  
CB. CATCH BASIN

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**EASTPOINT**  
PROJECT No. 3703R

**KEY PLAN**  
SITE #1  
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**PROFESSIONAL SEAL | CHÂNET**  
  
J. S. CUNNINGHAM  
2026-06-06  
PROVINCE OF ONTARIO

NO.	DATE	ISSUED FOR TENDER	JBC
0	2026/07/09	REVISION	APPR.

**LOCATION | EMPLACEMENT**  
CFB KINGSTON  
KINGSTON  
ONTARIO

**PROJECT | PROJET**  
WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

**TRADE | MÉTIER**  
CIVIL

**SUBJECT | SUJET**  
SITE #3 - ACCESS ROAD PLAN  
AND PROFILE

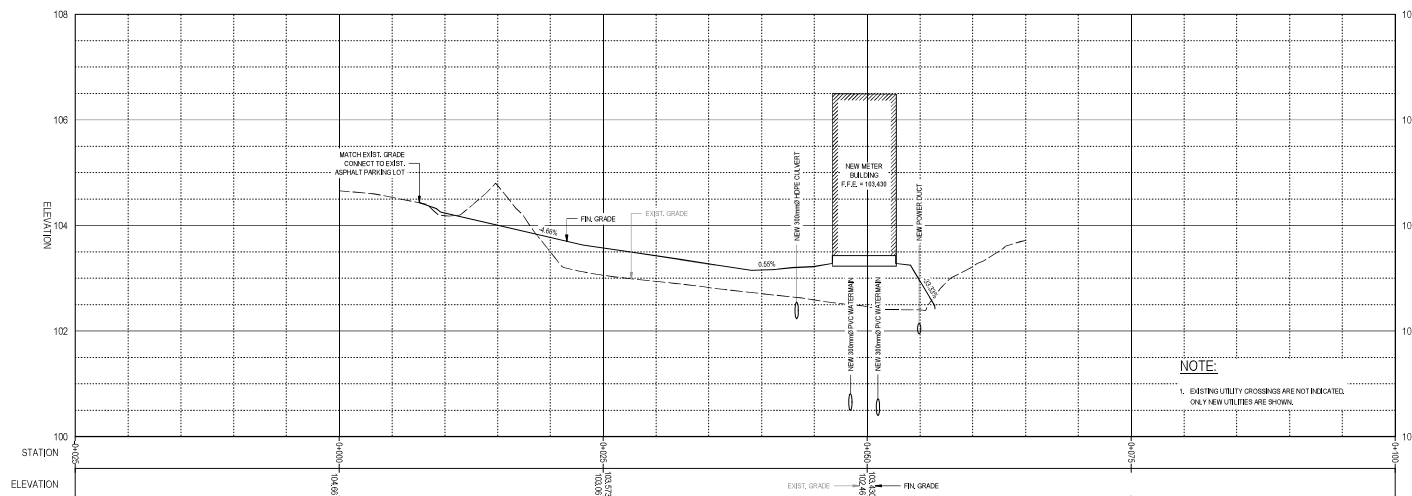
**PRODUCTION**  
DESIGNED | ÉTUDE  
ATN  
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MMS  
CHECKED | VÉRIFIÉ  
ATN  
COORDINATION  
JBC  
ISSUED NO. | NO. DTP  
N.200114.24.08.01  
DWG. NO. | NO. DESSIN  
K-B35-9304/27 - 634

**REVIEWED | REVU**  
DESIGN AGENT CONC  
PROJ MGR | GEST PROJ  
DES MGR | GEST CONC  
FRE | INCENDIE

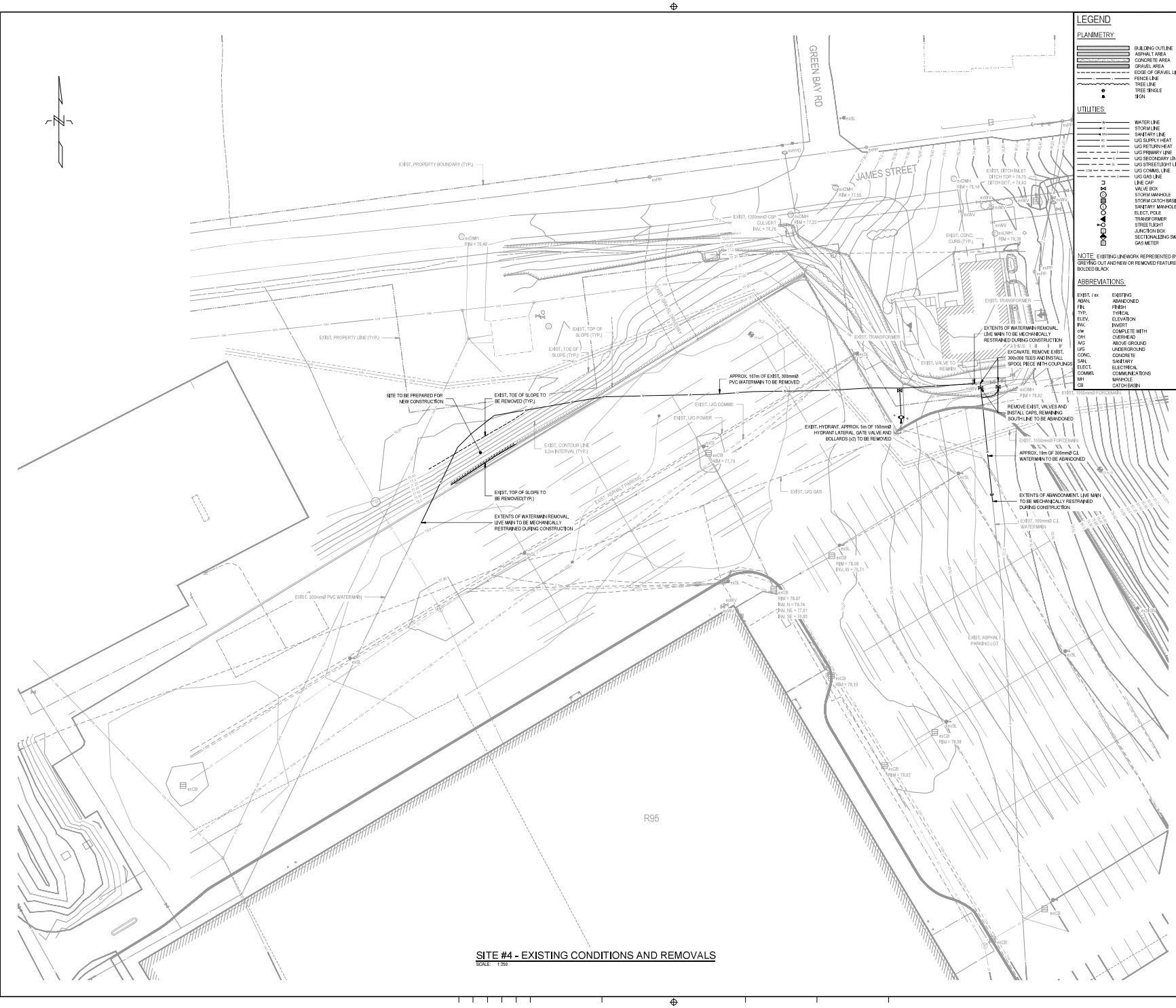
**DATE**  
2025/07/09

**REV. NO. | NO. DP**  
500779569

**Canada**



2 PROFILE: SITE #3 - ACCESS ROAD  
SCALE HORIZONTAL: 1:300  
SCALE VERTICAL: 1:40  
1:200  
1:40



**LEGEND**

**PLANIMETRY:**

- BUILDING OUTLINE
- ASPHALT AREA
- CONCRETE AREA
- GRAVEL AREA
- EDGE OF GRAVEL LINE
- FEEDLINE
- TRAIL LINE
- TREE SINGLE
- TRAIL

**UTILITIES:**

- WATER LINE
- STORM LINE
- SEWER LINE
- UG SUPPLY HEAT
- UG RETURN HEAT
- UG PRIMARY LINE
- UG SECONDARY LINE
- UG STREET LIGHT LINE
- UG COMM LINE
- UG GAS LINE
- LINE CAP
- VALVE BOX
- STORM MANHOLE
- STORM CATCH BASIN
- SANITARY MANHOLE
- ELECT. POLE
- TRANSFORMER
- STREET LIGHT
- JUNCTION BOX
- SECTIONALIZING SWITCH
- GAS METER

**NOTE:** EXISTING LINEWORK REPRESENTED BY DOTTED OUT AND NEW OR REMOVED FEATURES BOLDED BLACK.

**ABBREVIATIONS:**

EXIST. /	NEW	EXISTING
ABNL	ABNL	ABANDONED
FIN	FIN	FINISH
TYP	TYP	TYPICAL
ELEV	ELEV	ELEVATION
INV.	INV.	INVERT
OH	OH	COMPLETE WITH OVERHEAD
UG	UG	UNDERGROUND
CONC.	CONC.	CONCRETE
SM	SM	SANITARY
ELECT.	ELECT.	ELECTRICAL
COMES	COMES	COMBINATIONS
MM	MM	MANHOLE
CB	CB	CATCH BASIN

Government of Canada / Gouvernement du Canada

LEVEL OF SECURITY / NIVEAU DE SÉCURITÉ

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EASTPOINT

PROJECT No. 3703R

KEY PLAN

PROFESSIONAL SEAL / CACHET

NO.	DATE	REVISION	APPR.
0	2025/07/09	ISSUED FOR TENDER	JBC

SCALE / ÉCHELLE: 1:250

LOCATION / EMPLACEMENT: CFB KINGSTON, KINGSTON, ONTARIO

PROJECT / PROJET: WATERMAIN CONNECTIONS - BACKFLOW PREVENTION & METERING

TRADE / MÉTIER: CIVIL	DATE: 2025/07/09
SUBJECT / SUJET: SITE #4 - EXISTING CONDITIONS AND REMOVALS	

PRODUCTION	REVIEWED / REVU
DESIGNED / ÉTUDE: ATN	DES D / AGENT CONC
DRAWN / Dessine: MMS	PROJ MGR / GÉST PROJ
CHECKED / VÉRIFIÉ: ATN	DES MGR / GÉST CONC
COORDINATION: JBC	FRÉ / INCENDIE

PROJ. NO. / NO. DTP: N.200114.24.08.01	REV. NO. / NO. RP: 500779569
DWG. NO. / NO. DESSIN: K-B35-9304/27 - 641 <td></td>	

Canada

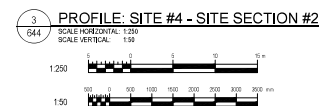
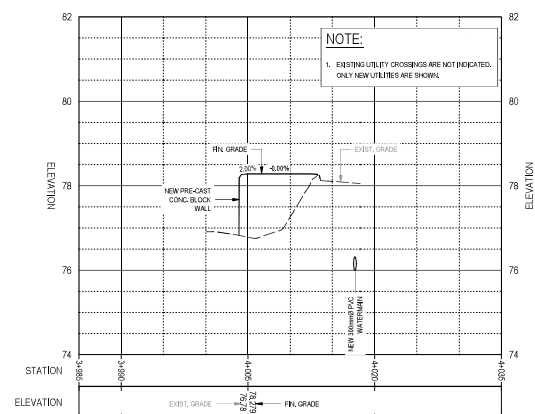
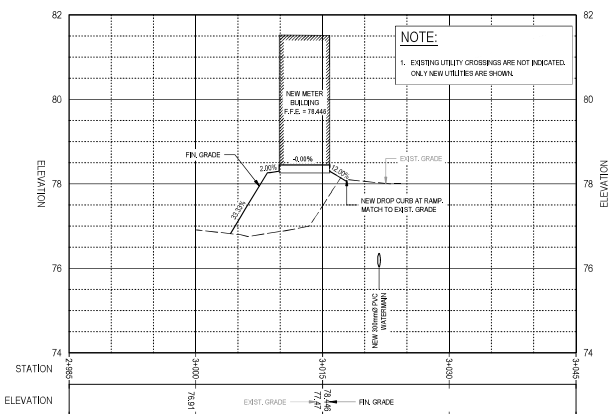
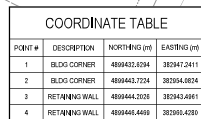
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# LEGEND

## PLANNIMETRY

	BUILDING OUTLINE
	ASPHALT DRIVE
	CONCRETE AREA
	GRAVEL AREA
	EDGE OF GRAVEL DRIVE
	FENCE LINE
	TREE LINE
	TREE SINGLE SIGN






## UTILITIES

	WATER LINE
	STORMY LINE
	SEWERY LINE
	UGS R/WPS VHEAT
	UGS SERVICE/VEH
	UGS PRIMARY LINE
	UGS SECONDARY LINE
	UGS STREETLIGHT LINE
	UGS COM.M LINE
	UGS GAS LINE
	LINE CAP
	VALVE BOX
	STORM MANHOLE
	STORM CATCH-BRAIN
	SEWERY MANHOLE
	ELECT. POLE
	TRANSFORMER
	STREETLIGHT
	JUNCTION BOX
	SECTIONALIZING SWITCH
	GAS METER

**NOTE:** EXISTING UNDERGROUND REPRESENTED BY DOTTED LINE AND NEW OR REMOVED FEATURES BY OTHER LINE

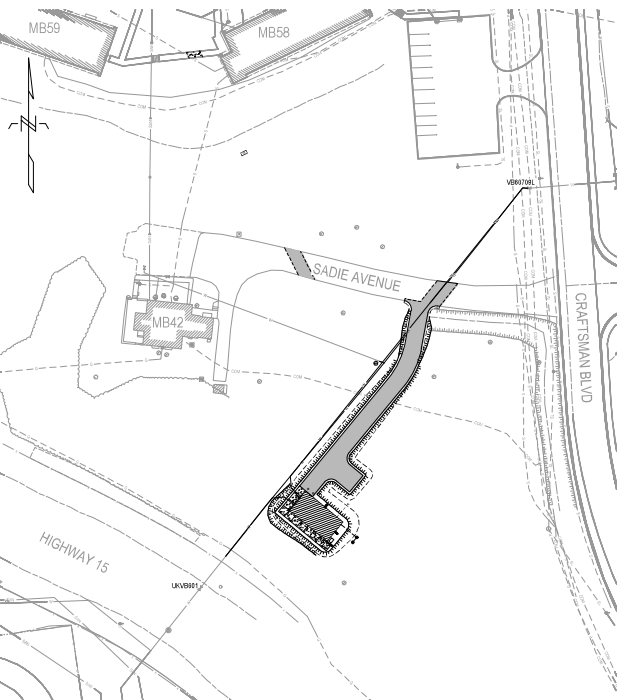
## ABBREVIATIONS

ENRTE. (ex)	EXISTING
ANAL.	ANALOGOUS
PHL	PHASE
TRC	TRUCK
ELEV.	ELEVATION
PLG.	PLANT
OW	COMPLETE WITH
OH	OVERHEAD
AB	ABOVE GROUND
CONC.	CONCRETE
UG	UNDERGROUND
CONC.	CONCRETE
SAN.	SEWERY
ELECT.	ELECTRICAL
COMM.	COMMUNICATIONS
MH	MANHOLE
CATCH	CATCH-BRAIN

	<b>Government of Canada</b> Gouvernement du Canada	<b>Gouvernement du Canada</b>					
LEVEL OF SECURITY   NIVEAU DE SÉCURITÉ <b>UNCLASS   NON CLASSIFIÉ</b>							
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 <b>EASTPOINT</b>							
PROJECT NO. 37388							
<b>KEY PLAN</b> 							
<b>PROFESSIONAL SEAL   CACHET</b> 							
0	2025/02/09	ISSUED FOR TENDER					JBC
NO.	DATE	REVISION					APPR.
SCALE   ÉCHELLE AS NOTED							
LOCATION   EMPLACEMENT <b>CFB KINGSTON          KINGSTON          ONTARIO</b>							
PROJECT   PROJET <b>WATERMAIN CONNECTIONS -          BACKFLOW PREVENTION &amp;          METERING</b>							
TRADE   MÉTIER <b>CIVIL</b>			DATE <b>2025/07/09</b>				
SUBJECT   SUJET <b>SITE #4 - SITE SECTIONS</b>							
PRODUCTION DESIGNED   ÉTUDE ATN DRAWN   DESSIN MMS CHECKED   VÉRIFIÉ ATN COORDINATION JBC		REVIEWED   REVU XX   XX		DES 0   AGENT CONC PROJ MGR   GEST PROJ DES MGR   GEST CONC FIRE   INCENDIE			
WEB NO.   NO. CTP <b>N.200114.24.08.01</b>		RF NO.   NO. DP <b>500779569</b>					
DWG. NO.   NO. DESSIN <b>JBC</b>		<b>K-B35-9304/27-644</b>					
							

SITE #1 GENERAL CONSTRUCTION SEQUENCE

1. THE CONSTRUCTION SEQUENCE INDICATED BELOW IS A HIGH-LEVEL GENERAL RECOMMENDATION AND IS NOT MEANT TO BE A DETAILED STEP-BY-STEP CONSTRUCTION PLAN.
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATE PLAN FOR APPROVAL BY THE DCC REPRESENTATIVE. THE PURPOSE OF THE CONSTRUCTION SEQUENCE PLANS IS TO LIMIT THE DOWNTIME OF WATER SERVICE AND LIMIT DISRUPTIONS TO BASE WATER SUPPLY.
3. BEFORE ANY TURNING OF VALVES, THE CONTRACTOR SHALL NOTIFY THE DCC REPRESENTATIVE IN WRITING OF ANY DISRUPTIONS AS IDENTIFIED IN THE SPECIFICATION. ALL OWNED VALVES WILL BE ISOLATED BY DCC. CONTRACTOR SHALL REQUEST TURNING OF VALVES THROUGH DCC REPRESENTATIVE PRIOR TO MOBILIZATION TO EACH SITE.
4. CONSTRUCT THE METER BUILDING AND STUB OUT NEW WATERMAIN CONNECTIONS.
5. CLOSE JUNKY AND VENTON, AND INSTALL MECHANICAL RESTRAINTS ON VB0010L. RESTRAIN THE STUB END OF THE COMING FROM JUNKY. REMOVE EXISTING WATERMAIN.
6. CONSTRUCT NEW WATERMANS AND CONNECT TO METER BUILDING STUB OUTS.
7. CONSTRUCT ACCESS ROAD AND REMAINING SITE WORKS.
8. BEFORE ALL SYSTEMS ARE PUT BACK INTO SERVICE, ALL O<sub>2</sub> TESTING, CHLORINATION AND SAMPLING MUST BE PERFORMED AND APPROVED BY THE DCC REPRESENTATIVE.

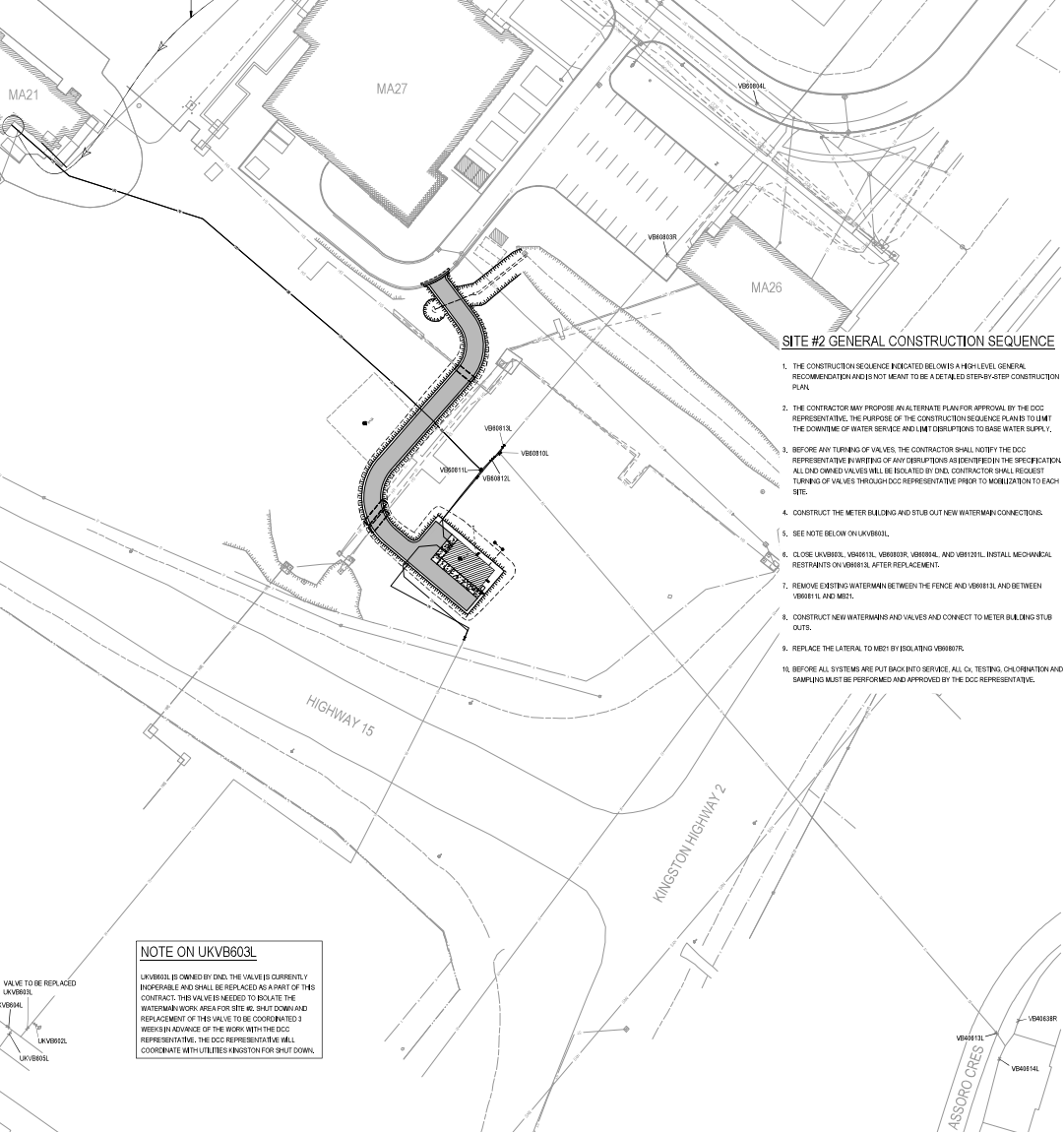


SITE #1 - VALVE ISOLATION PLAN  
SCALE: 1:500

TEMPORARY WATER SUPPLY

1. TEMPORARY WATER SHALL BE SUPPLIED TO BUILDING MA21 DURING SHUTDOWNS.
2. SUPPLY TO BUILDING MUST COME FROM NEARBY HYDRANT.
3. MAKE CONNECTION AS NEEDED, ANY SITE WORKS DISTURBED DURING CONSTRUCTION OF THE BY-PASS ARRANGEMENT, SHALL BE REINSTATED IN FULL TO MATCH EXISTING SITE CONDITIONS.

BY-PASS TO MA21 (SCHEMATIC REPRESENTATION)



NOTE ON UKVB603L


UKVB603L IS OWNED BY DCC. THE VALVE IS CURRENTLY INOPERABLE AND SHALL BE REPLACED AS A PART OF THIS CONTRACT. THIS VALVE IS NEEDED TO ISOLATE THE WATERMAIN WORK AREA FOR SITE #1C. SHUT DOWN AND REPLACEMENT OF THIS VALVE TO BE COORDINATED 3 WEEKS IN ADVANCE OF THE WORK WITH THE DCC REPRESENTATIVE. THE DCC REPRESENTATIVE WILL COORDINATE WITH UTILITIES KINGSTON FOR SHUT DOWN.



SITE #2 - VALVE ISOLATION PLAN  
SCALE: 1:500

SITE #2 GENERAL CONSTRUCTION SEQUENCE


1. THE CONSTRUCTION SEQUENCE INDICATED BELOW IS A HIGH-LEVEL GENERAL RECOMMENDATION AND IS NOT MEANT TO BE A DETAILED STEP-BY-STEP CONSTRUCTION PLAN.
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATE PLAN FOR APPROVAL BY THE DCC REPRESENTATIVE. THE PURPOSE OF THE CONSTRUCTION SEQUENCE PLANS IS TO LIMIT THE DOWNTIME OF WATER SERVICE AND LIMIT DISRUPTIONS TO BASE WATER SUPPLY.
3. BEFORE ANY TURNING OF VALVES, THE CONTRACTOR SHALL NOTIFY THE DCC REPRESENTATIVE IN WRITING OF ANY DISRUPTIONS AS IDENTIFIED IN THE SPECIFICATION. ALL OWNED VALVES WILL BE ISOLATED BY DCC. CONTRACTOR SHALL REQUEST TURNING OF VALVES THROUGH DCC REPRESENTATIVE PRIOR TO MOBILIZATION TO EACH SITE.
4. CONSTRUCT THE METER BUILDING AND STUB OUT NEW WATERMAIN CONNECTIONS.
5. SEE NOTE BELOW ON UKVB603L.
6. CLOSE UVB003L, VB0010L, VB0007, VB0008, AND VB0013L. INSTALL MECHANICAL RESTRAINTS ON VB0010L AFTER REPLACEMENT.
7. REMOVE EXISTING WATERMAIN BETWEEN THE FENCE AND VB0013L AND BETWEEN VB0011L AND MB01.
8. CONSTRUCT NEW WATERMANS AND VALVES AND CONNECT TO METER BUILDING STUB OUTS.
9. REPLACE THE LATERAL TO MB01 BY ISOLATING VB0007.
10. BEFORE ALL SYSTEMS ARE PUT BACK INTO SERVICE, ALL O<sub>2</sub> TESTING, CHLORINATION AND SAMPLING MUST BE PERFORMED AND APPROVED BY THE DCC REPRESENTATIVE.



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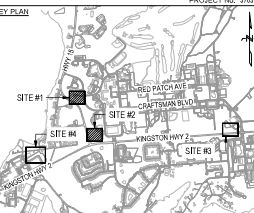
LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ  
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EASTPOINT


KEY PLAN



NOTES:


1. AS PART OF THE ISOLATIONS AND TIE-INS, ANY BUILDING SERVICE VALVES OR CLIPS STOPS WITHIN THE AFFECTED SYSTEM MUST ALSO BE CLOSED TO PREVENT THE BUILDINGS FROM BEING DRAINED OF WATER.

PROFESSIONAL SEAL | CACHET



0	2025/07/09	ISSUED FOR TENDER	JBC
NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE  
1:500



LOCATION | EMPLACEMENT  
CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT | PROJET  
WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

TRADE | MÉTIER  
CIVIL

DATE  
2025/07/09

SUBJECT | SUJET  
SITE #1 AND SITE #2  
GENERAL CONSTRUCTION  
SEQUENCE

DESIGNED   ÉTUDIÉ ATN	DESIGNED   ÉTUDIÉ XX   XX	DESIGNED   ÉTUDIÉ CONC
DRAWN   Dessiné MMS	DRAWN   Dessiné MMS	PROJ. MGR   GEST. PROJ. MMS
CHECKED   VÉRIFIÉ ATN	CHECKED   VÉRIFIÉ ATN	DES. MGR   GEST. CONC MMS
COORDINATION JBC	COORDINATION JBC	FILE   ENREGISTRÉ FRE

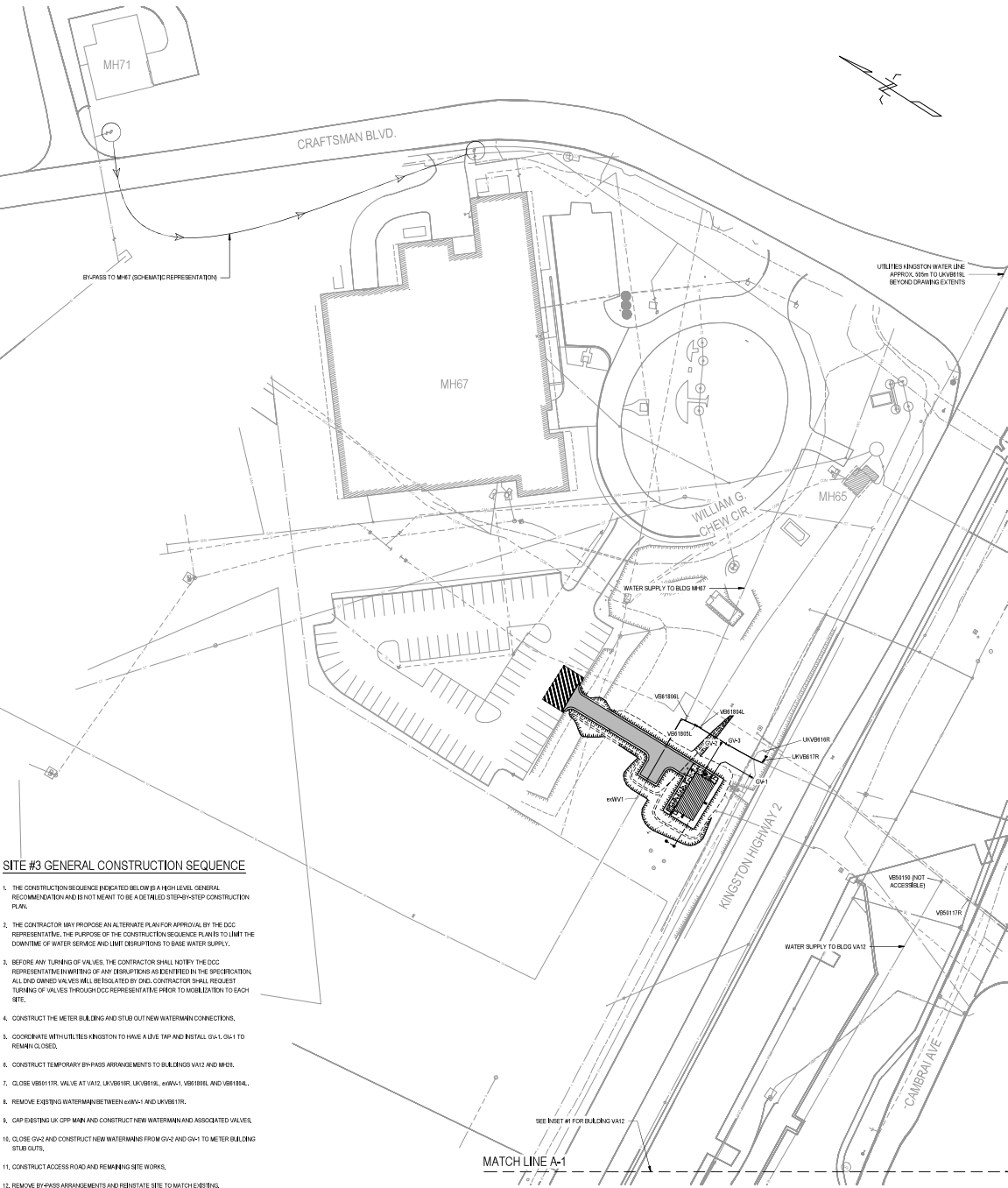
ISSUED NO. | NO. DTP  
N.200114.24.08.01

ISSUED NO. | NO. DTP  
500779569

DWG. NO. | NO. DESSIN  
K-835-9304/27 - 651

Canada

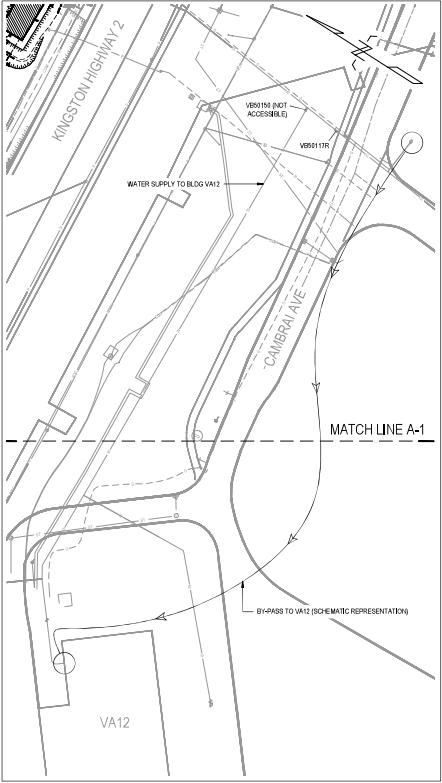
15031 DRAFT/ESBAC K-835-9304/27 Watermain Connections - Backflow Prevention and Metering/ESBAC/ESBAC/27-651.dwg  
15031 DRAFT/ESBAC K-835-9304/27 Watermain Connections - Backflow Prevention and Metering/ESBAC/ESBAC/27-651.dwg



**SITE #3 GENERAL CONSTRUCTION SEQUENCE**

1. THE CONSTRUCTION SEQUENCE INDICATED BELOW IS A HIGH LEVEL GENERAL RECOMMENDATION AND IS NOT MEANT TO BE A DETAILED STEP-BY-STEP CONSTRUCTION PLAN.
2. THE CONTRACTOR MAY PROPOSE AN ALTERNATE PLAN FOR APPROVAL BY THE DCC REPRESENTATIVE. THE PURPOSE OF THE CONSTRUCTION SEQUENCE PLAN IS TO LIMIT THE DOWNTIME OF WATER SERVICE AND LIMIT DISRUPTIONS TO BASE WATER SUPPLY.
3. BEFORE ANY TURNING OF VALVES, THE CONTRACTOR SHALL NOTIFY THE DCC REPRESENTATIVE IN WRITING OF ANY DISRUPTIONS AS IDENTIFIED IN THE SPECIFICATION. ALL OWNED VALVES WILL BE ISOLATED BY THE CONTRACTOR SHALL REQUEST TURNING OF VALVES THROUGH DCC REPRESENTATIVE PRIOR TO MOBILIZATION TO EACH SITE.
4. CONSTRUCT THE METER BUILDING AND STUB OUT NEW WATERMAIN CONNECTIONS.
5. COORDINATE WITH UTILITIES KINGSTON TO HAVE A LIVE TAP AND INSTALL G-1, G-4 TO REMAIN CLOSED.
6. CONSTRUCT TEMPORARY BY-PASS ARRANGEMENTS TO BUILDINGS VA12 AND M67.
7. CLOSE VB811TR VALVE AT VA12, LKVB811R, LKVB811L, M67A-1, VB100L AND VB100R.
8. REMOVE EXISTING WATERMAIN BETWEEN M67A-1 AND LKVB811R.
9. CAP EXISTING LK OPP MAIN AND CONSTRUCT NEW WATERMAIN AND ASSOCIATED VALVES.
10. CLOSE G-42 AND CONSTRUCT NEW WATERMANS FROM G-42 AND G-41 TO METER BUILDING STUB OUTS.
11. CONSTRUCT ACCESS ROAD AND REMAINING SITE WORKS.
12. REMOVE BY-PASS ARRANGEMENTS AND REINSTATE SITE TO MATCH EXISTING.
13. BEFORE ALL SYSTEMS ARE PUT BACK INTO SERVICE, ALL C<sub>10</sub> TESTING, CHLORINATION AND SAMPLING MUST BE PERFORMED AND APPROVED BY THE DCC REPRESENTATIVE.

**SITE #3 - VALVE ISOLATION PLAN**  
SCALE: 1:500



**TEMPORARY WATER SUPPLY**

1. TEMPORARY WATER SHALL BE SUPPLIED TO BUILDINGS VA12 AND M67 DURING SHUTDOWNS.
2. SUPPLY TO BOTH BUILDINGS MUST COME FROM NEARBY HYDRANTS.
3. HAVE CONNECTIONS AS NEEDED. ANY SITE WORKS DISTURBED DURING CONSTRUCTION OF THE BY-PASS ARRANGEMENTS, SHALL BE REINTEGRATED IN FULL TO MATCH EXISTING SITE CONDITIONS.

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LEVEL OF SECURITY | NIVEAU DE SÉCURITÉ

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EASTPOINT

PROJECT No. 3703R

KEY PLAN

NOTES:

1. AS PART OF THE ISOLATIONS AND TIE-INS, ANY BUILDING SERVICE VALVES OR CURB STOPS WITHIN THE AFFECTED SYSTEM MUST ALSO BE CLOSED TO PREVENT THE BUILDINGS FROM BEING DRAINED OF WATER.

PROFESSIONAL SEAL | CACHET

0	2025/07/06	ISSUED FOR TENDER	JBC
NO.	DATE	REVISION	APPR.

SCALE | ÉCHELLE

1:500

0 1 2 3 4 5 6 7 8 9 10

LOCATION | EMPLACEMENT

CFB KINGSTON  
KINGSTON  
ONTARIO

PROJECT | PROJET

WATERMAIN CONNECTIONS -  
BACKFLOW PREVENTION &  
METERING

TRADE | MÉTIER

CIVIL

DATE

2025/07/09

SUBJECT | SUJET

SITE #3  
GENERAL CONSTRUCTION  
SEQUENCE

PRODUCTION	REVIEWED   REVU	DESIGN   AGENT CONC.
DESIGNED   ÉTUDIÉ	XX   XX	
ATN		
DRAWN   DÉSSINÉ		PROJ MGR   GEST PROJ
MMIS		
CHECKED   VÉRIFIÉ		DES MGR   GEST CONC
ATN		
COORDINATION		FILE   INCENDIE
JBC		

ISSUED NO. | NO. DTP

N.200114.24.08.01

ISSUED NO. | NO. DTP

500779569

DWG. NO. | NO. DÉSSIN

K-B35-9304/27 - 652

Canada

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