

	EXISTING PARTITION TO BE REMOVED
	EXISTING PARTITION TO REMAIN
	NEW PARTITION
	DEMOLITION NOTE
	WALL TYPE, REFER TO WALL TYPES THIS DRAWING

(W1) DOUBLE SKIN METAL CLADDING
50mm 'Z' GIRTS
ON STRUCTURAL FRAMING,
REFER TO STRUCTURAL

SITE VERIFY ALL EXISTING SERVICES/UTILITIES PRIOR EXCAVATION AND REPORT ANY DISCREPANCIES PRIOR TO COMMENCING.

REINSTATE EXISTING SURFACES SUCH AS ASPHALT, CONCRETE WALKS AND CURBS, SOD AND ALL OTHER SURFACE CONDITIONS WHERE DISTURBED BY CONSTRUCTION, UNLESS INDICATED FOR DEMOLITION.

PROVIDE FILL/EXCAVATION AS REQUIRED TO DESIGN GRADE ELEVATIONS - REFER ALSO TO CIVIL SCOPE.

PROVIDE UNIFORM SLOPE TO 4:1 SLOPE MAX. SITE VERIFY.

ALL SITE WORK TO BE IN ACCORDANCE w/ O.P.S.D. DETAILS AND OPSS SPECIFICATIONS

UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE MEASURED TO FINISH FACE OF CONCRETE BLOCK AND GYPSUM WALLBOARD WHERE APPLICABLE.

ALL PARTITIONS IN FIRE SEPARATIONS SHALL EXTEND TO UNDERSIDE OF STRUCTURE ABOVE, ALL PENETRATIONS SHALL BE FIRESTOPPED TO MEET ULC REQUIREMENTS. AVERAGE FLOOR TO FLOOR HEIGHT IS APPROXIMATELY 3400mm.

WHERE SURFACES ARE TO BE PAINTED AS PER THE ROOM FINISH SCHEDULE, PAINT EXPOSED PIPING CONDUITS TO MATCH ADJACENT SURFACES UNLESS OTHERWISE INDICATED OR REQUIRE BY CODE.

WHERE EXISTING SURFACES ARE TO REMAIN BUT DISTURBED BY THE REMOVAL OF EXISTING WORK OR THE INSTALLATION OF NEW WORK, MAKE GOOD SURFACES TO MATCH ADJACENT EXISTING CONDITIONS. REPAINT EXISTING PAINTED SURFACES COMPLETE TO THE NEAREST CHANGE IN PLANE.

COORDINATE SITE AND LOCATION OF OPENINGS IN NEW AND EXISTING CONSTRUCTION WITH ALL OTHER DISCIPLINES PRIOR TO CONSTRUCTION / DEMOLITION.

WHERE INDICATED, TEMPORARY PARTITIONS ARE FOR INFORMATION ONLY. FINAL COORDINATION OF LOCATION AND REQUIRED EXTENT OF PARTITIONS IS TO BE COORDINATED WITH THE HOSPITAL BEFORE PLACEMENT AND THROUGHOUT THE COURSE OF CONSTRUCTION.

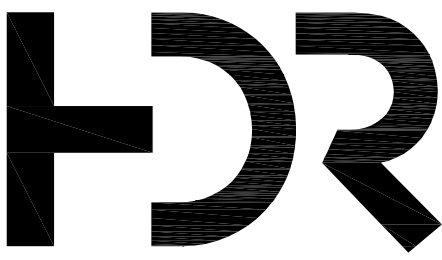
[illegible]

ONTARIO ASSOCIATION
OF
ARCHITECTS
ROBERT J. MALLON
LICENCE
5517

Scale - As noted

Sheet Number:

Project Status:



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27 Princess Street, Suite 400, Kingston, ON K7M 1A3

Emergency Power System Capacity
& Infrastructure Remediation

76 STUART STREET KINGSTON, ON K7L 2V7

Kingston Health
Sciences Centre

Centre des sciences de
la santé de Kingston



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Landscape Architect	
Civil	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	CH

MARK	DATE	DESCRIPTION
01	22 09 2025	issued for review
02	07 11 2025	issued for 100% CD
03	06 20 2026	issued for 50% Tender
04	07 02 2026	issued for 90% Tender
05	07 15 2026	issued for Tender

Project Number
PLO Proj. No.
MOHLTC #

10434805
PLO23-005



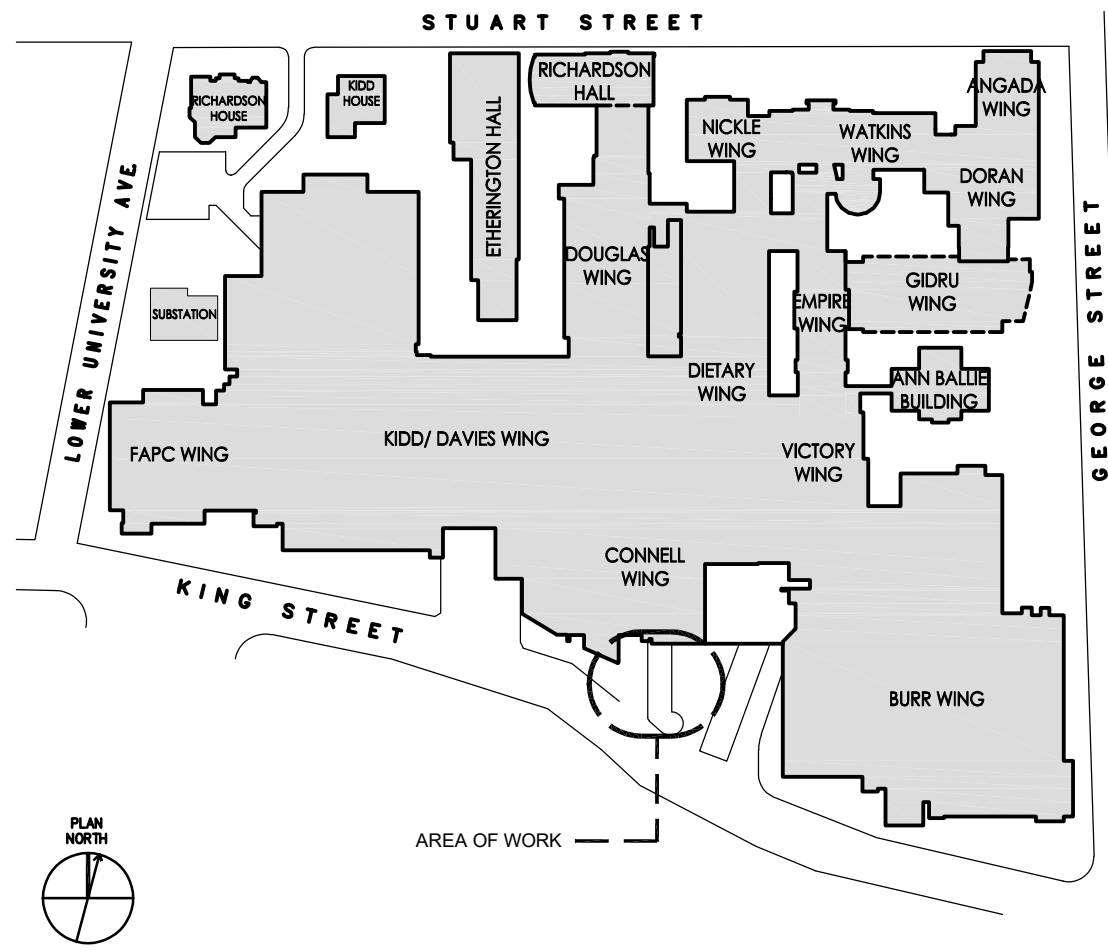
GENERATOR LOCATION
SITE PLAN

Scale - As noted

Sheet Number:

A-050

Project Status:

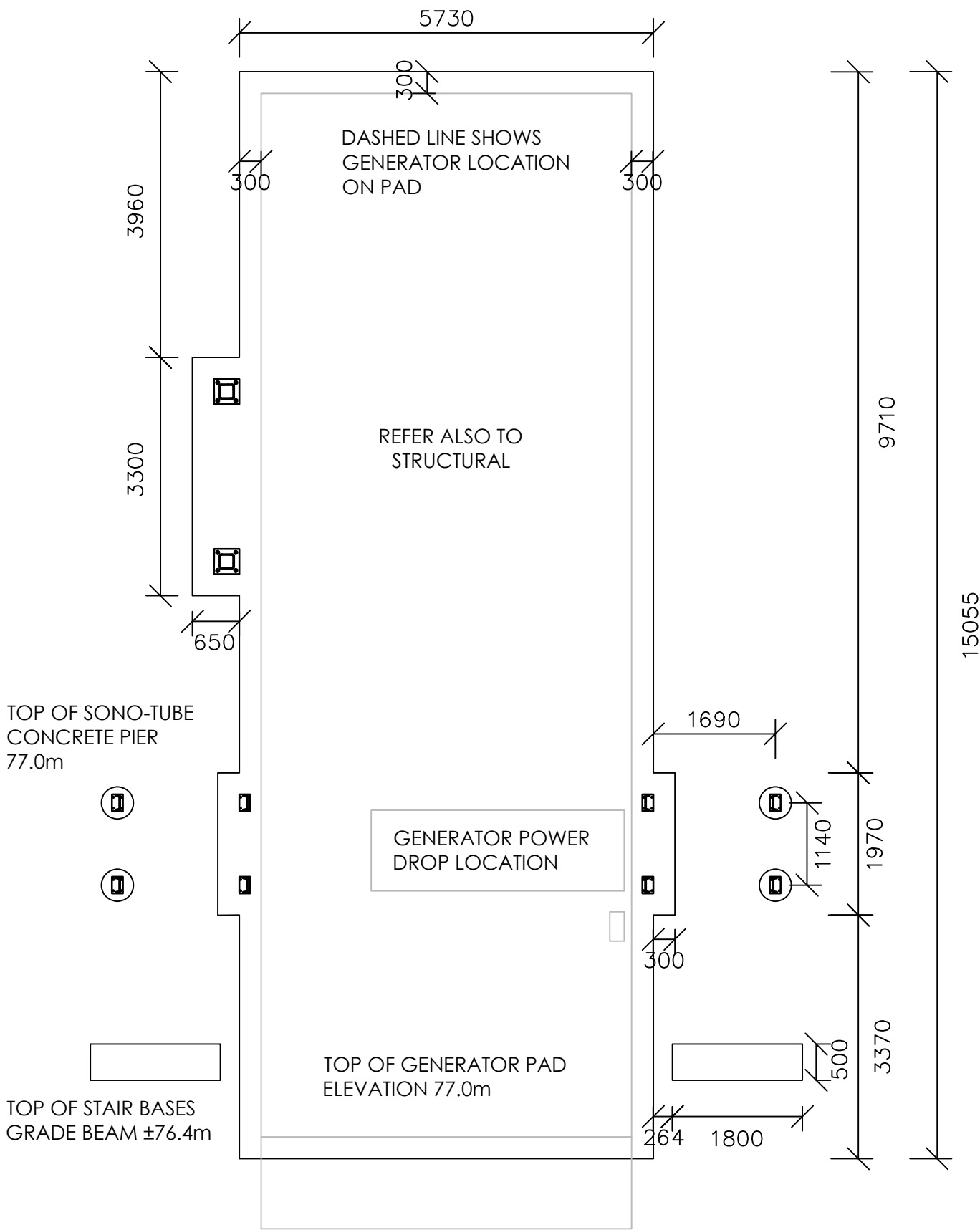


KEY PLAN
1:1000

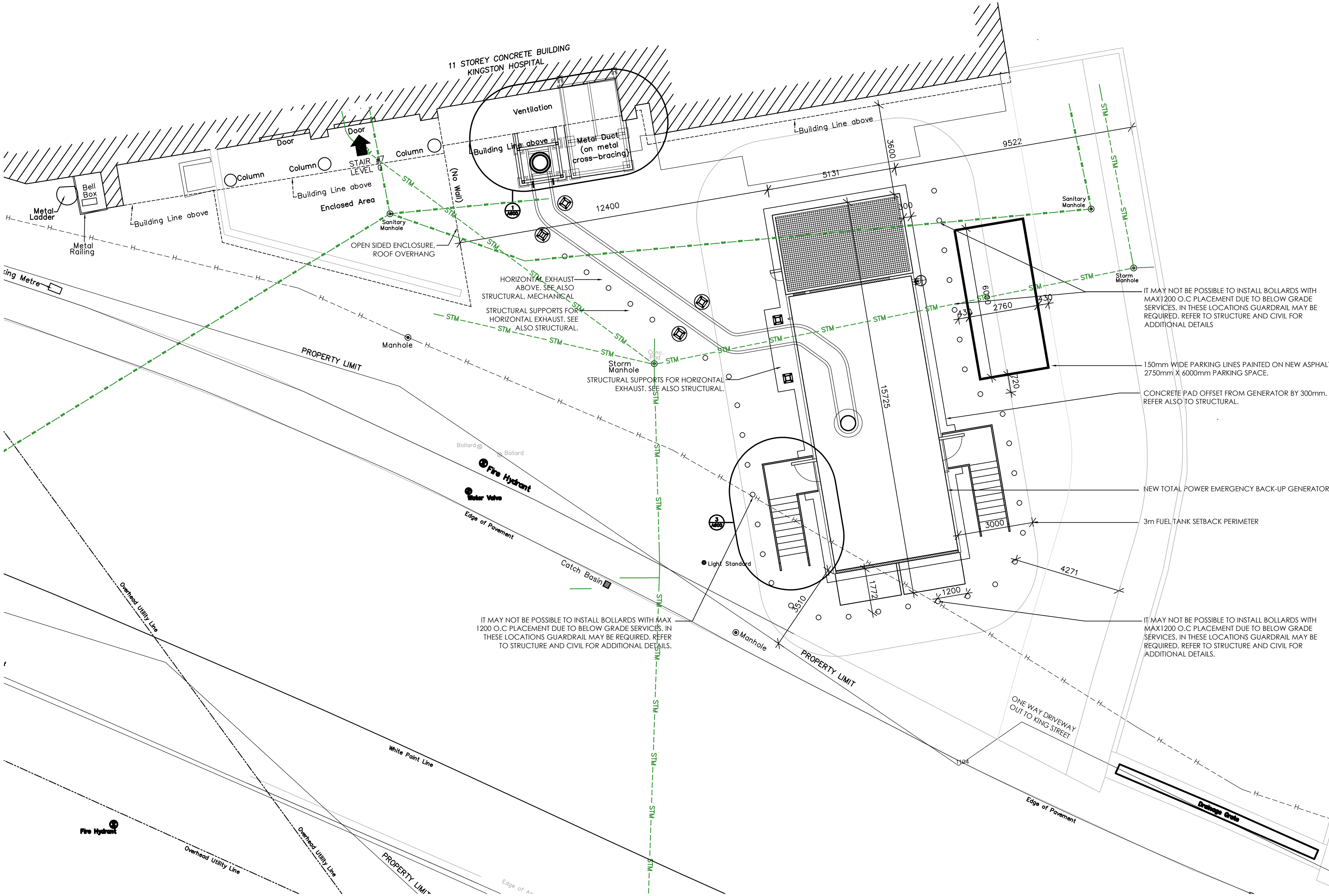
GENERAL NOTE:
EXCAVATE AND REMOVE ALL EXISTING MATERIALS
AS REQUIRED TO COMPLETE THE WORK.
COORDINATE WITH STRUCTURAL, CIVIL & ELECTRICAL
DOCUMENTS.
REINSTATE FILL MATERIALS TO SPECIFIED GRADE,
REINSTATE PAVING AND CONCRETE SIDEWALKS AND
CURBS WHERE EXISTING IS TO REMAIN.
VERIFY ALL SITE SERVICES PRIOR TO COMMENCING
SITE WORK.

MAINTAIN ACCESS TO EXISTING GENERATOR
RE-FUELING PORT. MINIMIZE DISRUPTION TO DRIVE
AISLE AND SIDE WALK.

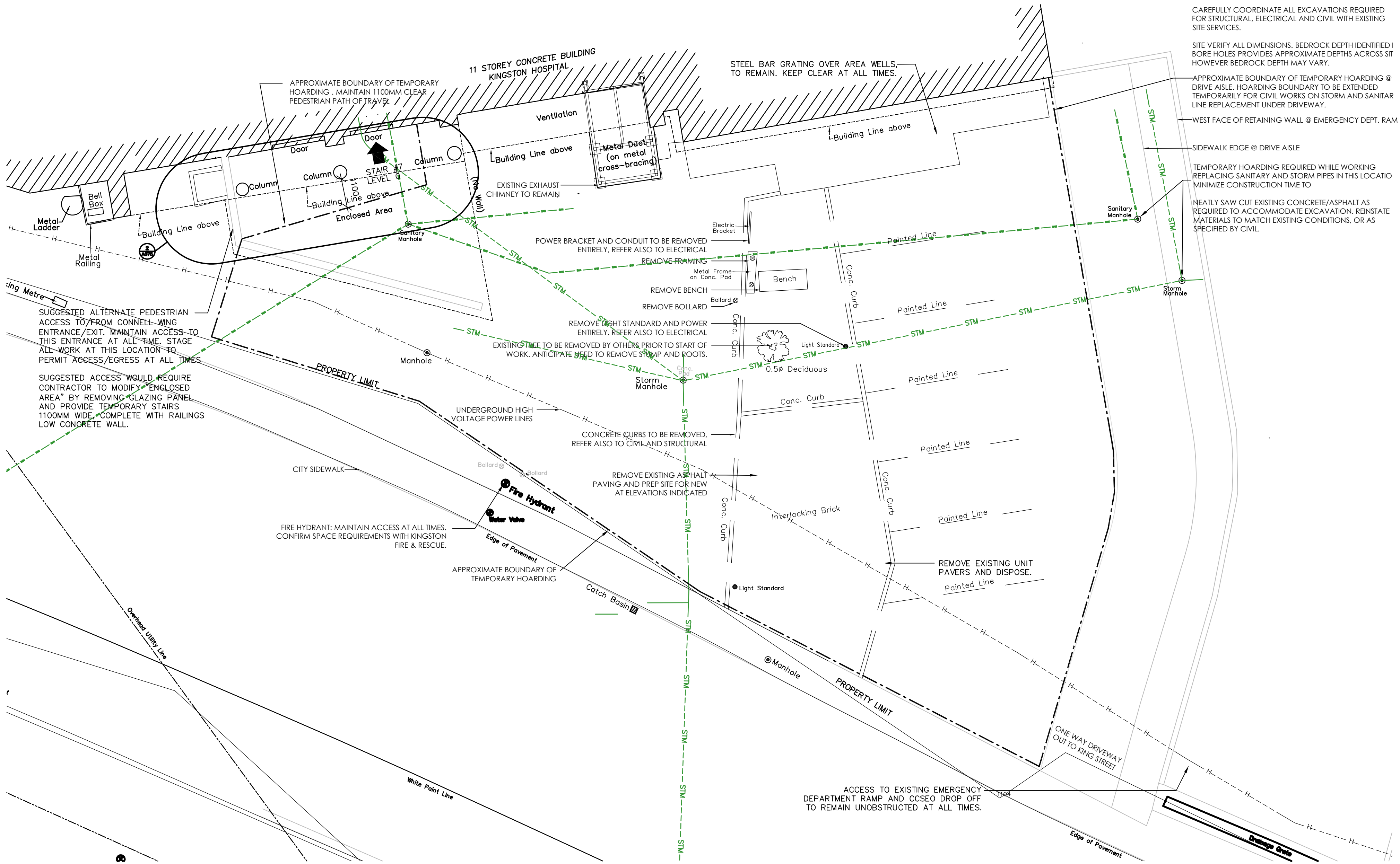
MAINTAIN ACCESS TO EMERGENCY RAMP AT ALL
TIMES. MAINTAIN ACCESS AND EGRESS FROM
BUILDING STAIR #7 AT ALL TIMES.



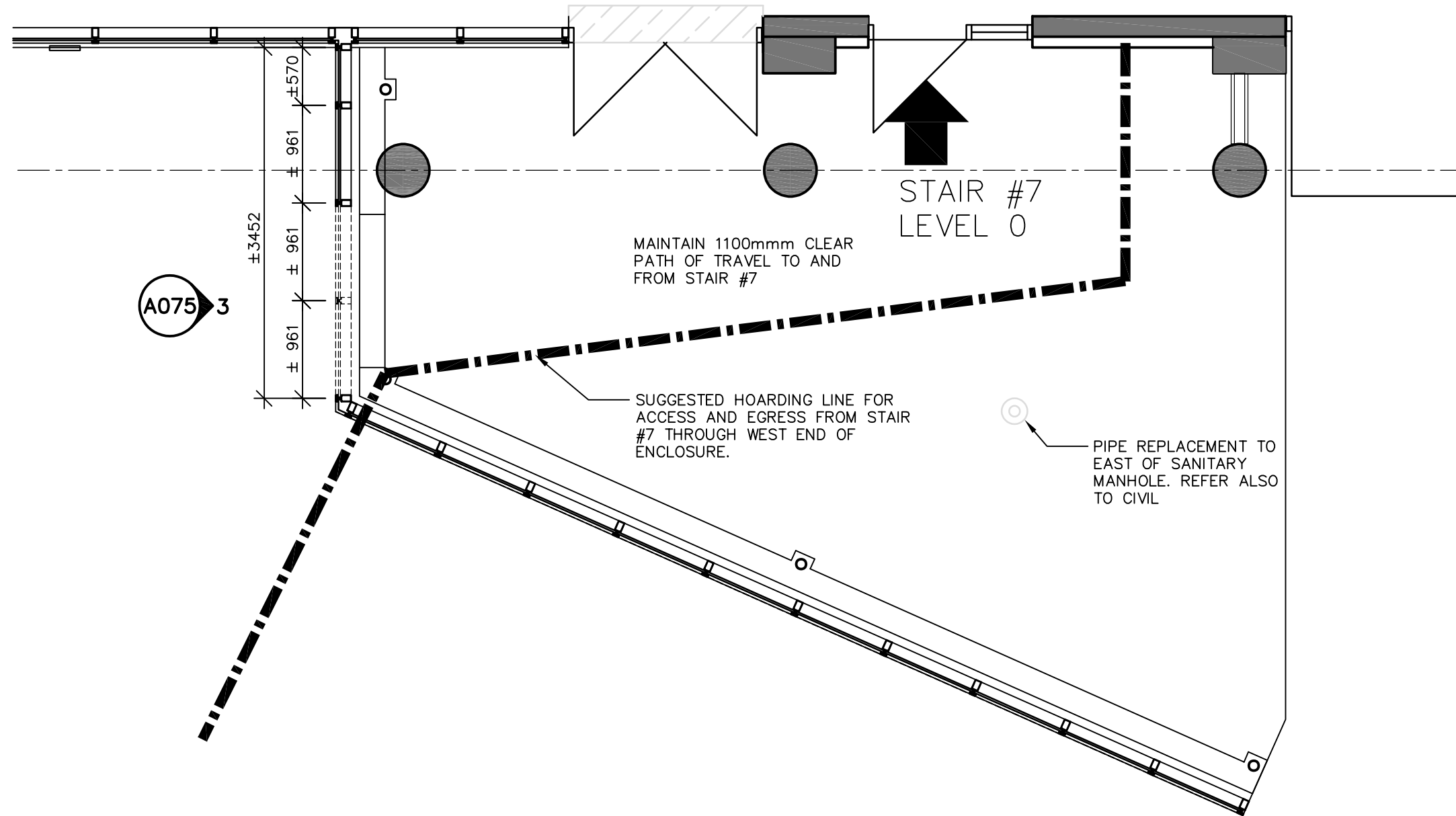
2 GENERATOR SLAB EDGE PLAN
SCALE 1:75



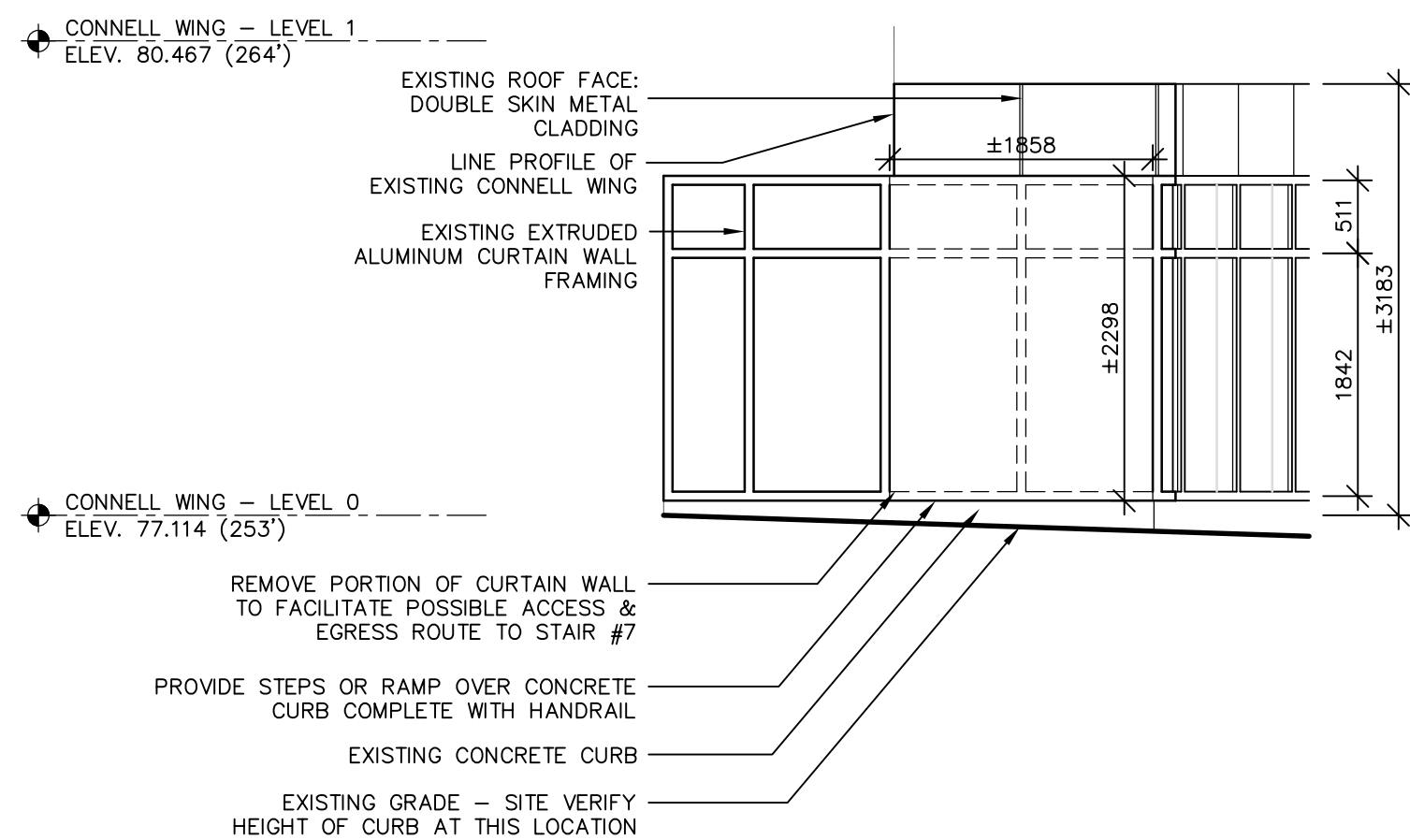
1 SITE PLAN
SCALE 1:1000



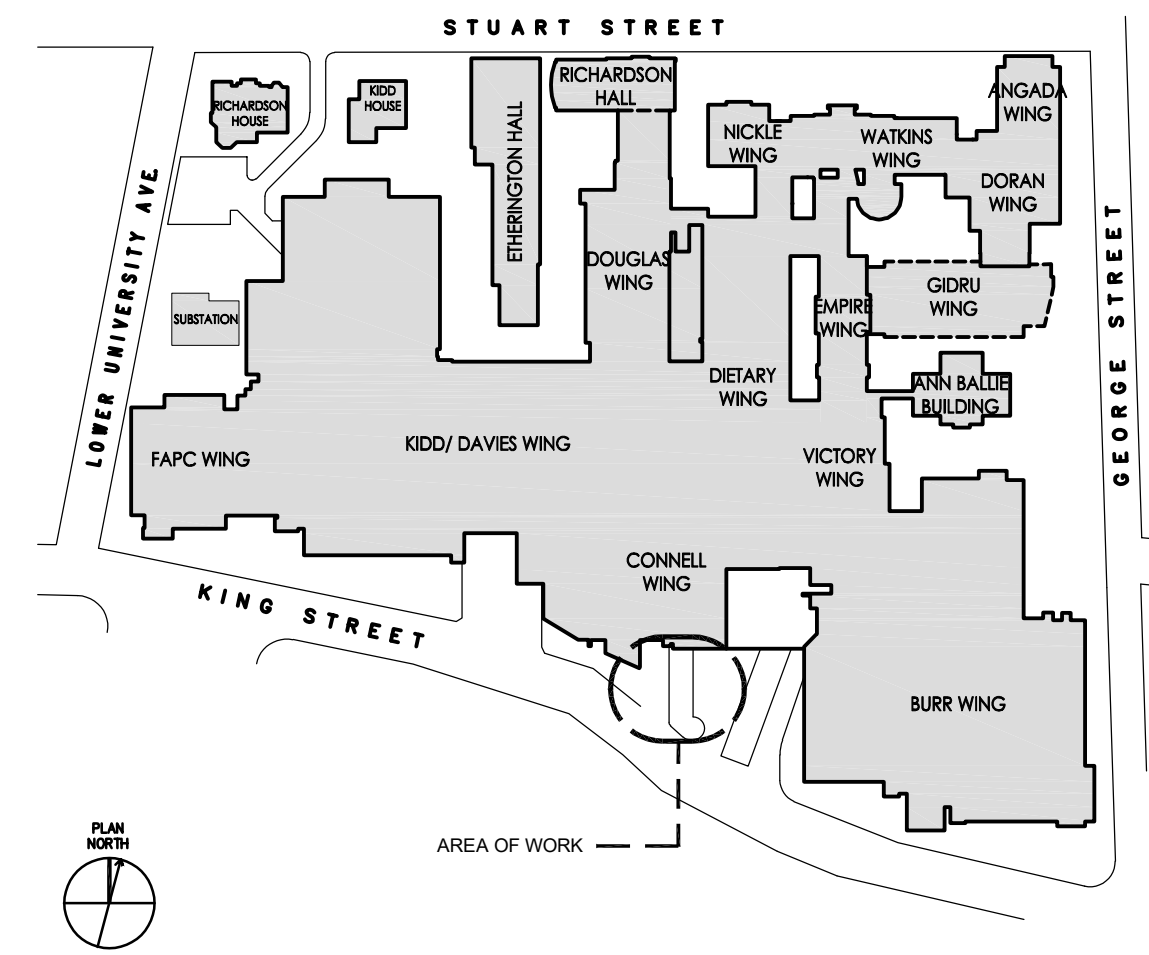
1 DEMOLITION SITE PLAN
SCALE 1:100



2 POSSIBLE ACCESS & EGRESS ROUTE FROM EXIT STAIR 7
SCALE 1:50



3 WEST ELEVATION OF CANOPY @ STAIR #7
SCALE 1:50



KEY PLAN
1:1000

GENERAL NOTE:
EXCAVATE AND REMOVE ALL EXISTING MATERIALS AS REQUIRED TO COMPLETE THE WORK. COORDINATE WITH STRUCTURAL, CIVIL & ELECTRICAL DOCUMENTS. REINSTATE FILL MATERIALS TO SPECIFIED GRADE, REINSTATE PAVING AND CONCRETE SIDEWALKS AND CURBS WHERE EXISTING IS TO REMAIN. VERIFY ALL SITE SERVICES PRIOR TO COMMENCING SITE WORK.

MAINTAIN ACCESS TO EXISTING GENERATOR RE-FUELING PORT. MINIMIZE DISRUPTION TO DRIVE AISLE AND SIDE WALK.

MAINTAIN ACCESS TO EMERGENCY RAMP AT ALL TIMES. MAINTAIN ACCESS AND EGRESS FROM BUILDING STAIR #7 AT ALL TIMES.



HDR Architecture Associates, Inc.
27 Princess Street, Suite 400, Kingston, ON K7M 1A3

Emergency Power System Capacity & Infrastructure Remediation

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Kingston Health
Sciences Centre

Centre des sciences de
la santé de Kingston



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Wayfinding	
Drawn By	CH

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Project Number 10434805
PLO Proj. No. PLO23-005
MOHLTC #



DEMOLITION SITE PLAN

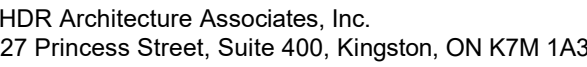
PLANS

Scale - As noted

Sheet Number:

A-075

Project Status:



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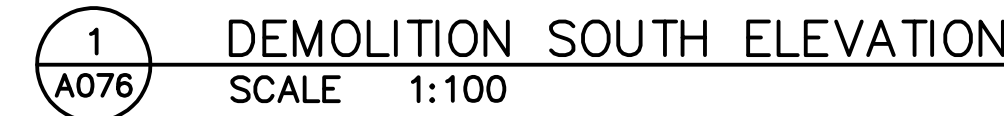


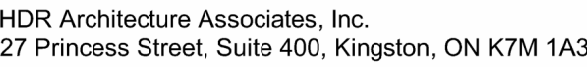
MARK	DATE	DESCRIPTION
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Scale - As noted

Sheet Number:

Project Status:





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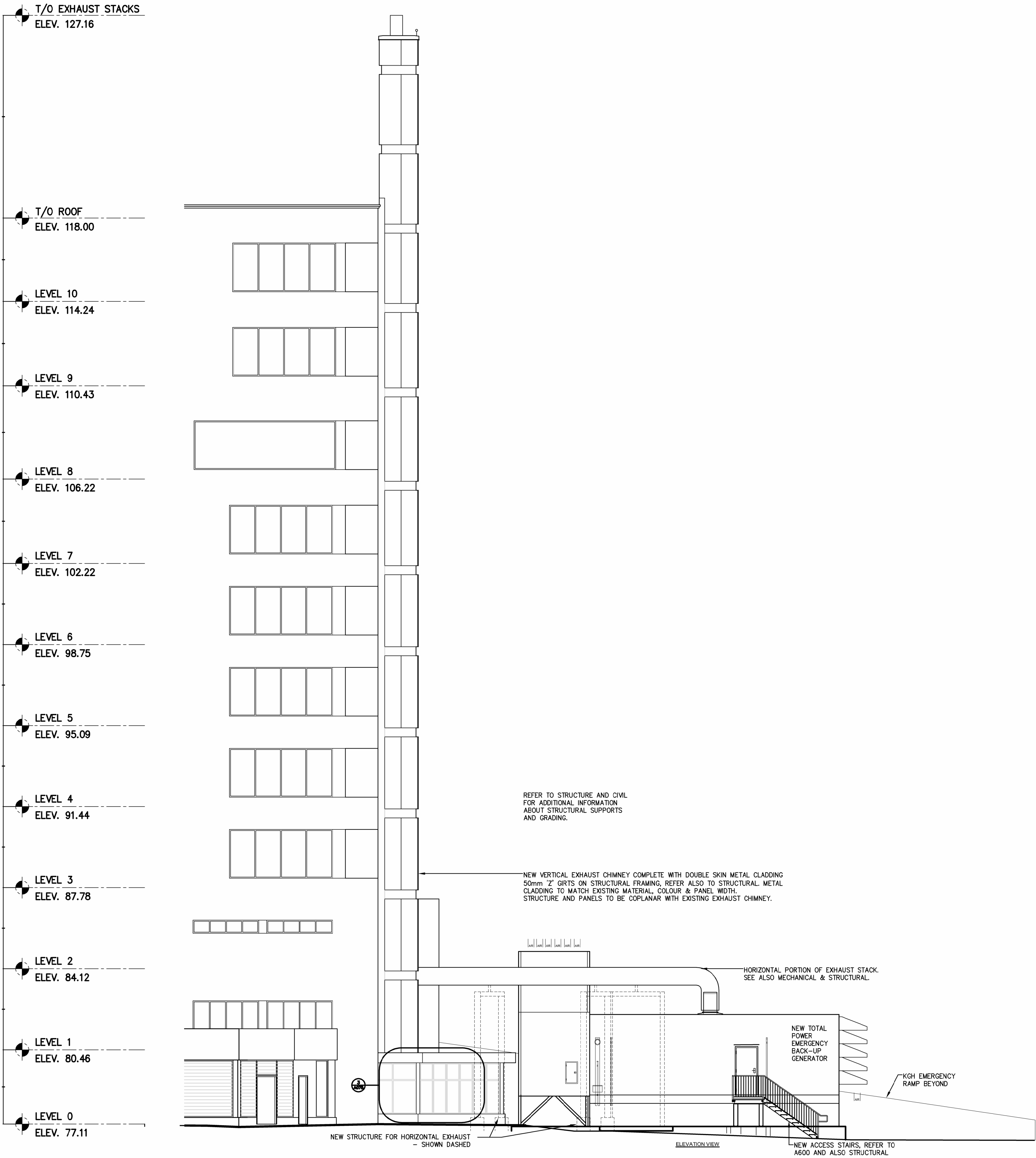
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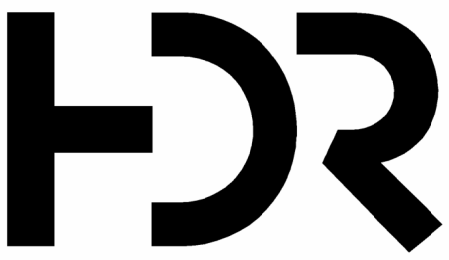
Project Status:

10434805 - DEMO AND NEW ELEVATIONS.dwg





1 WEST ELEVATION
A301 SCALE 1:100



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Emergency Power System Capacity & Infrastructure Remediation

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Kingston Health
Sciences Centre

Centre des sciences de
la santé de Kingston



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Drawn By	CH

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DRAFT = NOT FOR
CONSTRUCTION

Project Number
PLO Proj. No.
MOHLTC #

10434805
PLO23-005



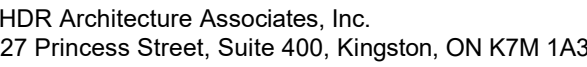
WEST ELEVATION

Scale - As noted

Sheet Number:

A-301

Project Status:



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Centre des sciences de
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01	22 09 2025	issued for review
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Project Number	10434805
PLO Proj. No.	PL023-005
MOHLTC #	



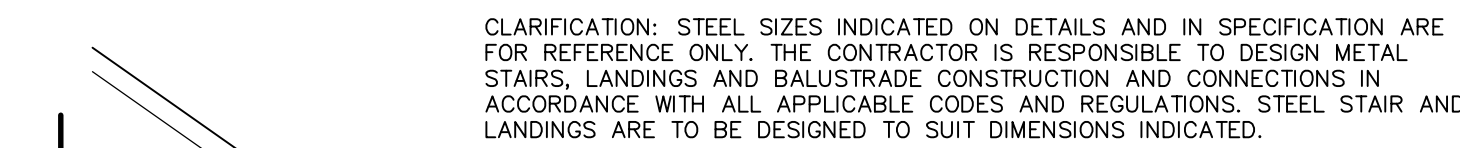
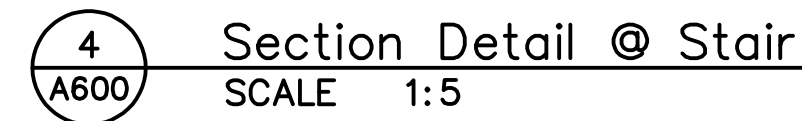
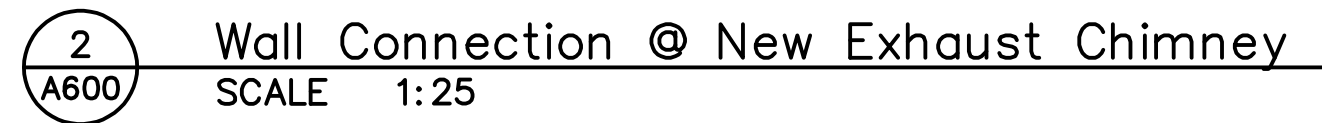
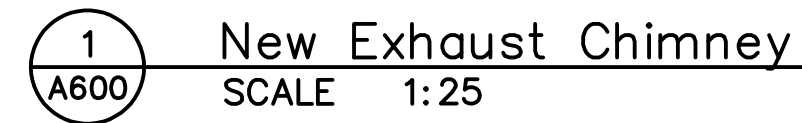
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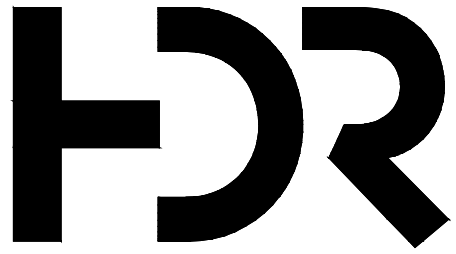
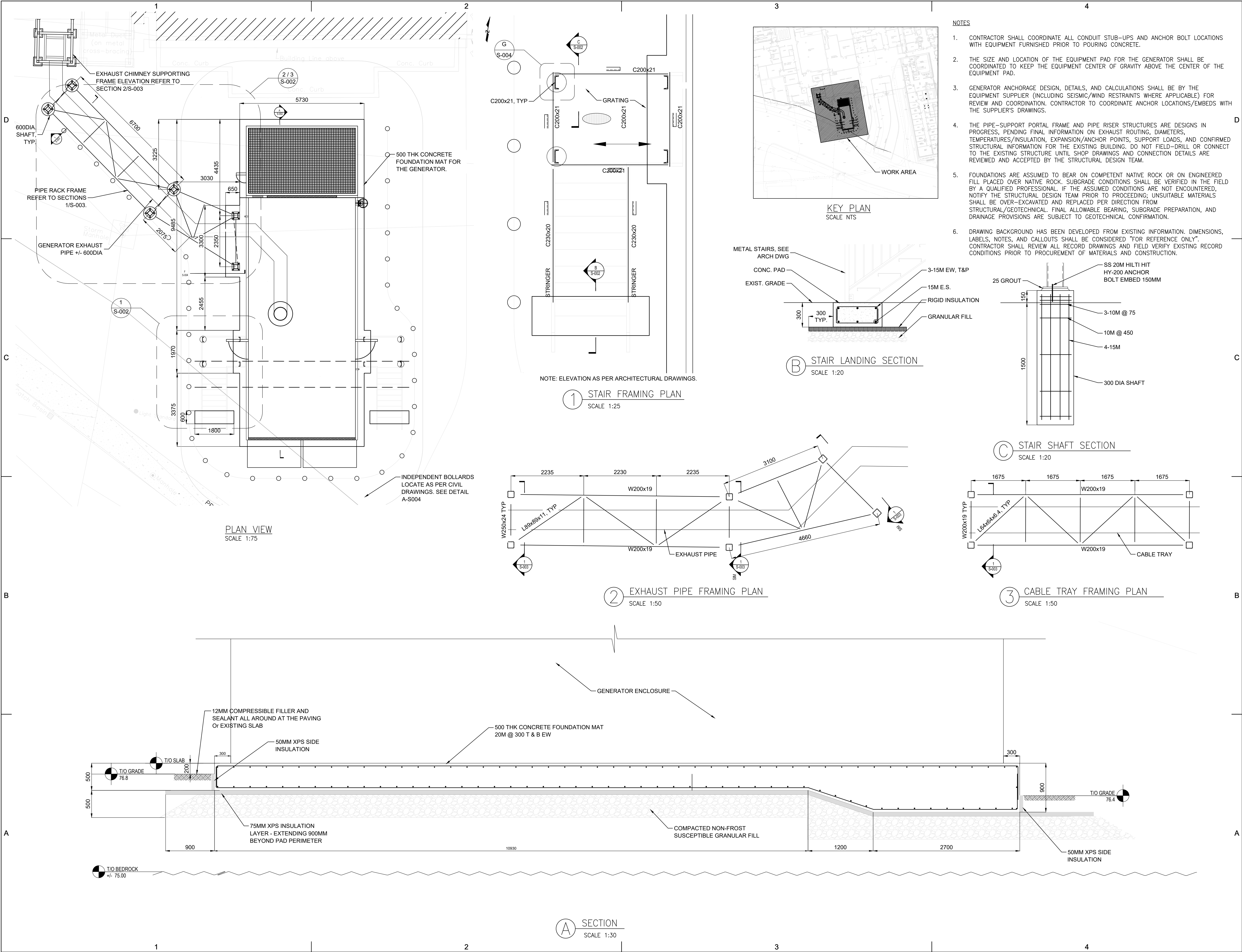
Sheet Number:

A-600

Project Status:

DETAILS





HDR Architecture Associates, Inc.
27 Princess Street, Suite 400, Kingston, ON K7M 1A3

EMERGENCY POWER SYSTEM CAPACITY & INFRASTRUCTURE REMEDATION

76 STUART STREET KINGSTON, ON K7L 2V7



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Landscape Architect	
Civil Architect	
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	

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Project Number
P/O Proj. No.
MOHLTC #

10331045



STRUCTURAL PLAN VIEW & SECTION

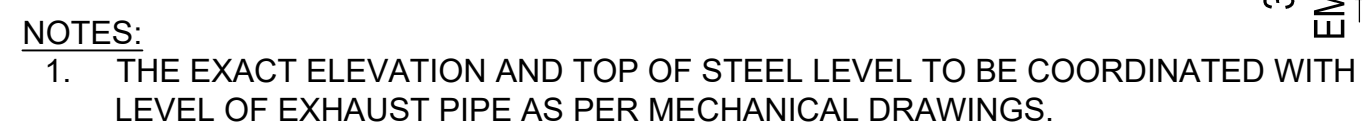
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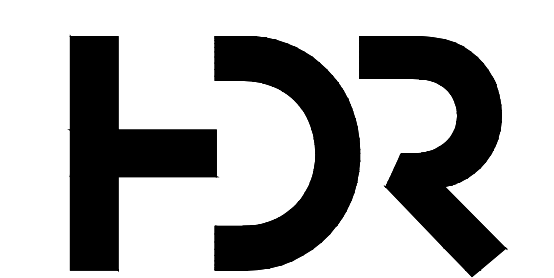
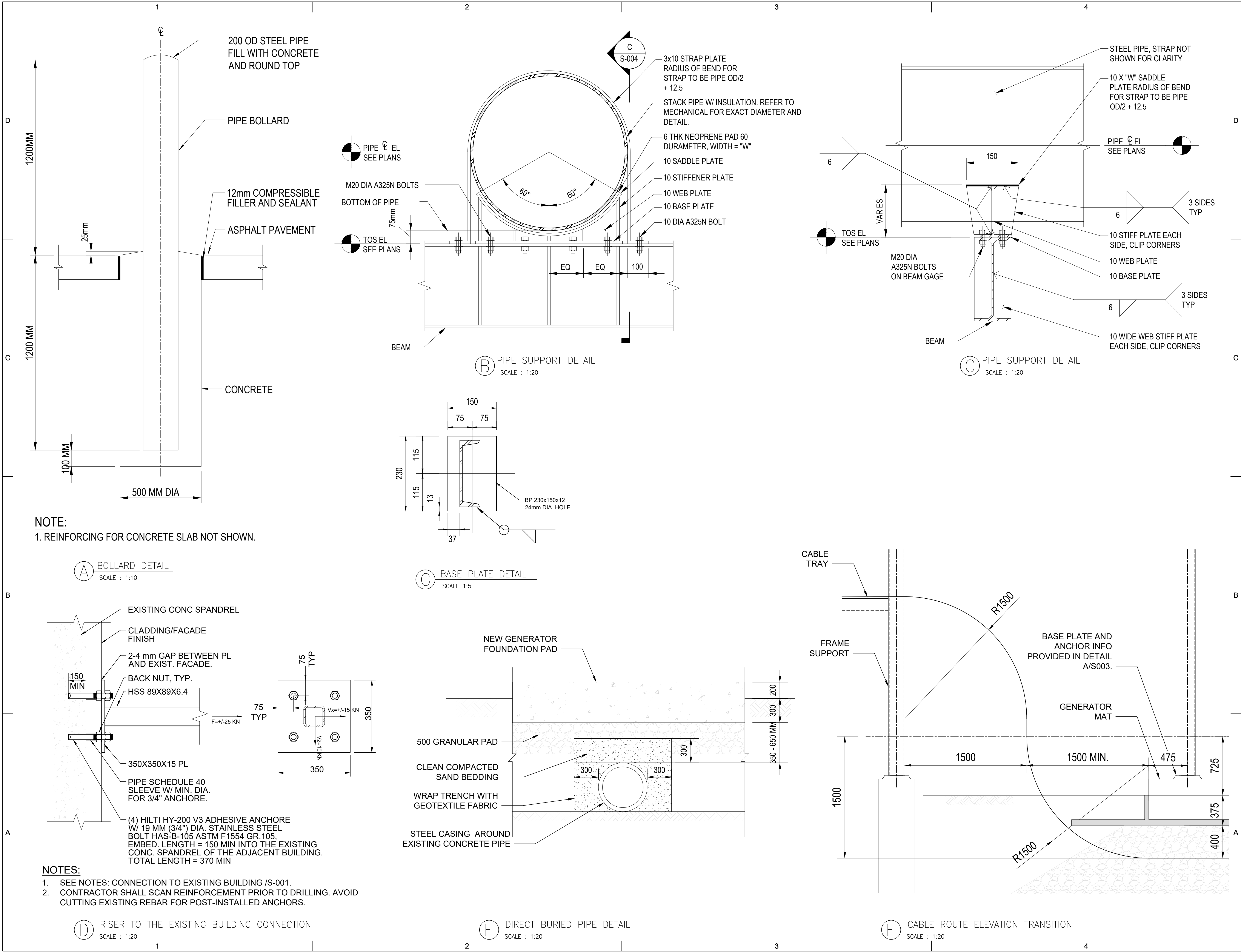
Sheet Number:

S-002

Project Status: 100% IFB DOCUMENTS

SECTION	AXIAL FORCE (kN)
HSS 89X89X7.9	+/-100
L 76X76X7.9	+/-50





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EMERGENCY POWER SYSTEM CAPACITY & INFRASTRUCTURE REMEDATION

76 STUART STREET KINGSTON, ON K7L 2V7



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Landscape Architect	
Civil Architect	
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	

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05	15 07 2026	issued for 100% IFB

Project Number	10331045
PLO Proj. No.	
MOHLTC #	



STRUCTURAL TYPICAL DETAILS

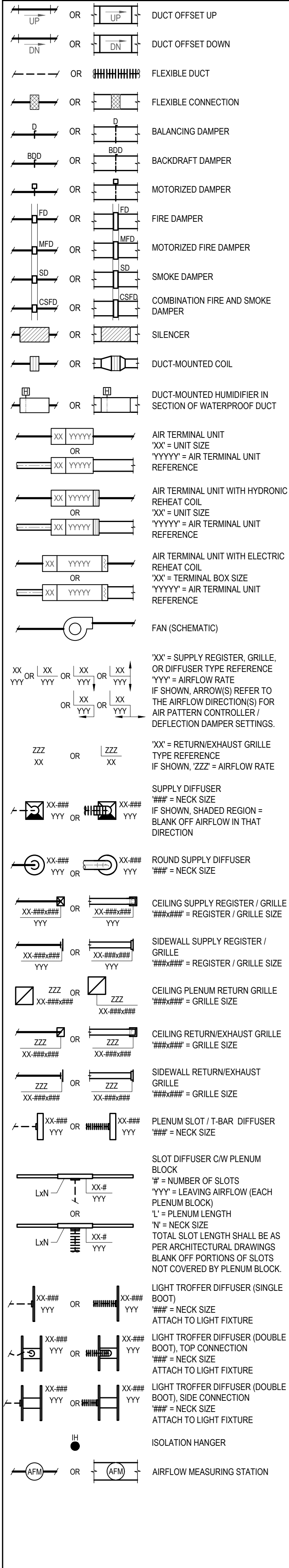
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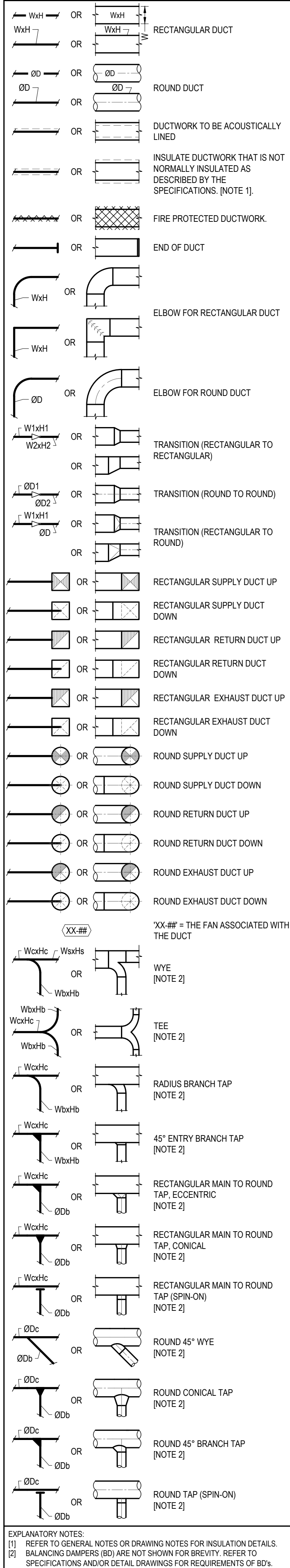
S-004

Project Status: 100% IFB DOCUMENTS

VENTILATION SYSTEMS LEGEND (2)



VENTILATION SYSTEMS LEGEND (1)



GENERAL NOTES

(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

GENERAL

- THIS LEGEND APPLIES TO THE WORK UNDER DIVISIONS 20 TO 25.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS SECTIONS OF DIVISION 20 TO 25 AND THE APPLICABLE SECTIONS OF DIVISION 01.
- ITEMS SHOWN *SCREENED* ARE EXISTING TO REMAIN
- NOT ALL SYMBOLS IN THE LEGENDS ARE PRESENT ON THE DRAWINGS
- ITEMS SHOWN ARE DIAGRAMMATIC AND ILLUSTRATE THE GENERAL LOCATION OF EQUIPMENT AND GENERAL ROUTING OF PIPING AND DUCTWORK. CONTRACTOR SHALL VERIFY ALL ITEMS ON SITE PRIOR TO COMMENCING WORK.
- UNLESS OTHERWISE NOTED, PIPE SIZES ARE SHOWN IN NOMINAL PIPE SIZE (NPS)
- UNLESS OTHERWISE NOTED, DUCT SIZES ARE SHOWN IN MILLIMETRE (mm)
- UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN MILLIMETRE (mm)
- UNLESS OTHERWISE NOTED, ALL AIR FLOW RATES ARE LISTED IN LITRES PER SECOND (L/s)
- UNLESS OTHERWISE NOTED, ALL LIQUID FLOW RATES ARE LISTED IN LITRES PER SECOND (L/s)
- THE EXISTING ITEMS SHOWN HAS BEEN TAKEN FROM BEST AVAILABLE SOURCE AND DOES NOT NECESSARILY CAPTURE ALL AS-BUILT CONDITIONS. CONTRACTOR TO VERIFY & CONFIRM MECHANICAL LAYOUT AND EQUIPMENT PRIOR TO CARRYING OUT ANY PORTION OF MECHANICAL WORK. WORK TO BE COORDINATED WITH ARCHITECTURAL DRAWINGS.

PIPING SYSTEMS:

- FOR WORK IN EXISTING BUILDINGS, CONTRACTOR SHALL ALLOW FOR DRAINING OF THE SYSTEMS AS REQUIRED TO COMPLETE WORK
- FOR WORK IN EXISTING BUILDINGS, ASSUME EXISTING SHUT-OFF VALVES ARE HOLDING
- CAP ALL PIPE ENDS DURING DEMOLITION
- ALL SANITARY PIPING SHOWN TO HAVE A MINIMUM 1% SLOPE UNLESS OTHERWISE INDICATED
- CO-ORDINATE LOCATION OF DEVICES LOCATED IN CEILING REQUIRING ACCESS (VALVES, REGULATORS, ETC.) WITH CEILING ACCESS PANELS
- FOR WORK IN EXISTING BUILDINGS, SIZE AND EXACT LOCATION OF EXISTING RISERS TO BE CONFIRMED ON SITE

VENTILATION SYSTEMS:

- FOR WORK IN EXISTING BUILDINGS, ALL DUCT COLLARS MADE REDUNDANT BY THE PROJECT SHALL BE CAPPED OFF
- FOR WORK IN EXISTING BUILDINGS, DURING CONSTRUCTION, COVER OPEN ENDS OR REGISTERS/GRILLES OF ACTIVE RETURN AND EXHAUST AIR DUCTS WITH FILTER MEDIA SECURED BY METAL BAND PULLED TIGHT AROUND DUCT BY MEANS OF SCREWS. MAINTAIN THIS MEDIA UNTIL WORK IN AREA IS COMPLETED
- LENGTH OF FLEX DUCT SHALL NOT EXCEED 1800mm (6'-0"). USE RIGID ROUND DUCT IF THE DISTANCE BETWEEN THE AIR TERMINAL AND THE SPIN-ON CONNECTION BRANCH TAP REQUIRES LONGER LENGTHS.
- ALL SUPPLY AIR DUCTWORK INCLUDING FLEX DUCTS SHALL BE INSULATED
- SERVICES ABOVE RETURN GRILLES TO BE PAINTED FLAT BLACK

CONTROLS:

- SPACE TEMPERATURE SENSORS, THERMOSTATS, SPACE HUMIDITY SENSORS, AND HUMIDISTATS TO BE APPROXIMATELY 1200mm (4'-0") AFF AND ALIGNED WITH LIGHT SWITCHES. FINAL LOCATION TO BE REVIEWED WITH THE CONSULTANT PRIOR TO INSTALLATION.
- FOR WORK IN EXISTING BUILDINGS, CONTROLS WORK TO BE CARRIED OUT BY BASE BUILDING CONTROLS CONTRACTOR

DEMOLITION

- DEMOLISH SYSTEMS AND EQUIPMENT WHERE SHOWN ON DRAWINGS OR SPECIFICATIONS. OTHERWISE, EXISTING SYSTEMS AND EQUIPMENT ARE TO REMAIN, EVEN IF NOT SHOWN ON THE DRAWINGS.

DRAWING LIST

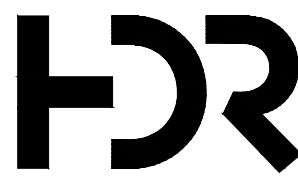
NO.	DATE (YYYY-MM-DD)	DESCRIPTION
M0-00	2025-07-14	MECHANICAL LEGENDS, GENERAL NOTES AND DRAWING LIST
M0-01	2025-11-07	MECHANICAL SITE PLAN
M0-02	2025-09-22	GENERATOR ELEVATIONS AND DETAILS MECHANICAL

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
C/W	COMPLETE WITH
CTE	CONNECT TO EXISTING
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATION
DN	DOWN
EA	EXHAUST OR RELIEF AIR
OA	OUTDOOR AIR
OED	OPEN ENDED DUCT
RA	RETURN AIR
RWL	RAIN WATER LEADER
SA	SUPPLY AIR
(TYP.)	TYPICAL OF MULTIPLE INSTANCES
(TYP. #)	TYPICAL FOR QUANTITY '#'
(TYP. XXX)	TYPICAL FOR 'XXX', WHERE 'XXX' PROVIDES DESCRIPTION
U/C	UNDER CUT
VFD	VARIABLE FREQUENCY DRIVE



H.H. Angus & Associates Limited Consulting Engineers
1176 Eglinton Ave E, Suite 800, Toronto, ON, M3C 0S1 Canada
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27 Princess Street, Suite 400, Kingston, ON K7M 1A3

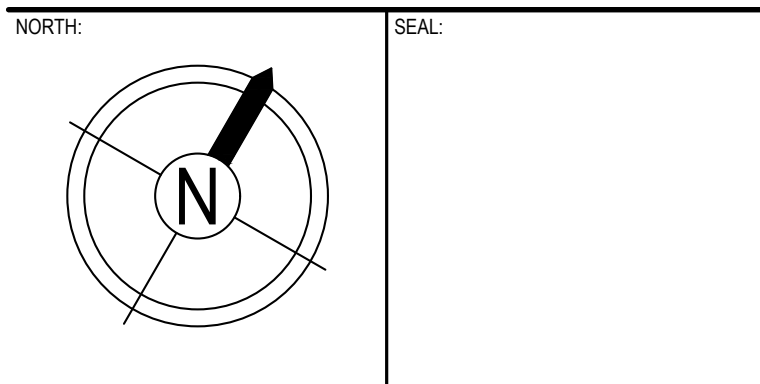
Project Architect	HDR
Civil	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS

DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE CONSULTANT BEFORE PROCEEDING.
ONLY FIGURED DIMENSIONS ARE TO BE USED AND CONTRACTOR MUST CHECK ALL DIMENSIONS ON SITE.
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NO.	DATE (YYYY-MM-DD)	DESCRIPTION
DRAWING REVISIONS		

06	2026-07-15	ISSUED FOR 100% IFB
05	2026-07-02	90% IFB
04	2026-06-22	50% IFB
03	2025-11-07	ISSUED FOR 100% CONSTRUCTION DOCUMENTS
02	2025-10-17	ISSUED FOR CLASS A COST ESTIMATE
01	2025-09-22	ISSUED FOR 30% REVIEW
NO.	DATE (YYYY-MM-DD)	DESCRIPTION
DRAWING ISSUE		

KEYPLAN:



PROJECT:
KHSC KGH EMERGENCY POWER SYSTEM CAPACITY & INFRASTRUCTURE REMEDIATION

HHA PROJECT NUMBER: 2250139

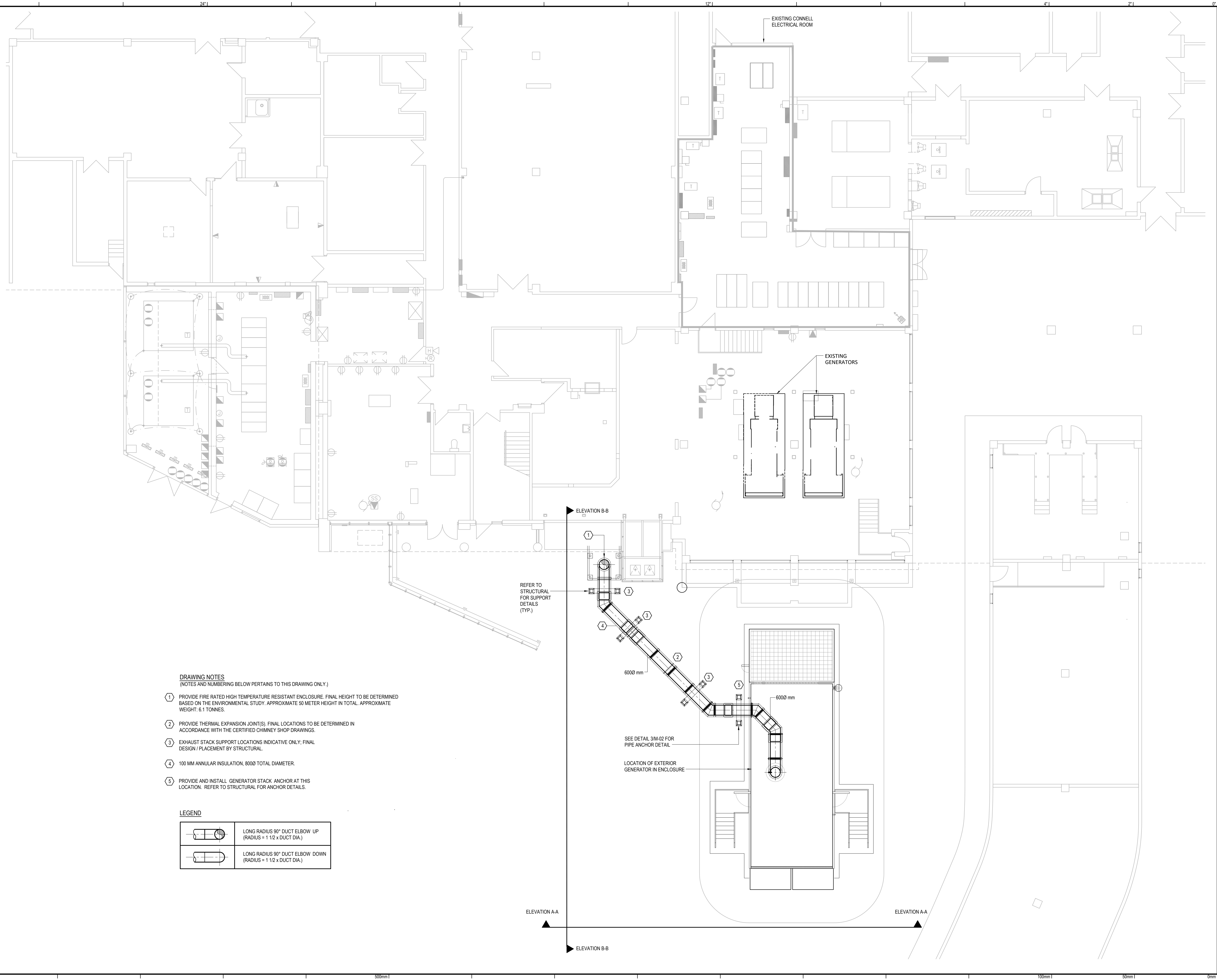
DRAWING TITLE:
MECHANICAL LEGENDS, GENERAL NOTES AND DRAWING LIST

PAGE SIZE:	ARCH D	DRAWN BY:	Drafter T.B.D.
SCALE:	NOT TO SCALE	CHECKED BY:	Reviewer T.B.D.

DRAWING NUMBER:

M0-00

FILE NAME: P:\2025\103_KHSC_Emergency Power Upgrade\Drawings\101_Site Plan_Mech Elevations and Details.dwg
PLOT DATE: 2025-07-14 11:33



DRAWING NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

- 1 PROVIDE FIRE RATED HIGH TEMPERATURE RESISTANT ENCLOSURE. FINAL HEIGHT TO BE DETERMINED BASED ON THE ENVIRONMENTAL STUDY. APPROXIMATE 50 METER HEIGHT IN TOTAL. APPROXIMATE WEIGHT: 6.1 TONNES.
- 2 PROVIDE THERMAL EXPANSION JOINT(S). FINAL LOCATIONS TO BE DETERMINED IN ACCORDANCE WITH THE CERTIFIED CHIMNEY SHOP DRAWINGS.
- 3 EXHAUST STACK SUPPORT LOCATIONS INDICATIVE ONLY; FINAL DESIGN / PLACEMENT BY STRUCTURAL.
- 4 100 MM ANNULAR INSULATION, 8000 TOTAL DIAMETER.
- 5 PROVIDE AND INSTALL: GENERATOR STACK ANCHOR AT THIS LOCATION. REFER TO STRUCTURAL FOR ANCHOR DETAILS.

LEGEND

	LONG RADIUS 90° DUCT ELBOW UP (RADIUS = 1 1/2 x DUCT DIA.)
	LONG RADIUS 90° DUCT ELBOW DOWN (RADIUS = 1 1/2 x DUCT DIA.)

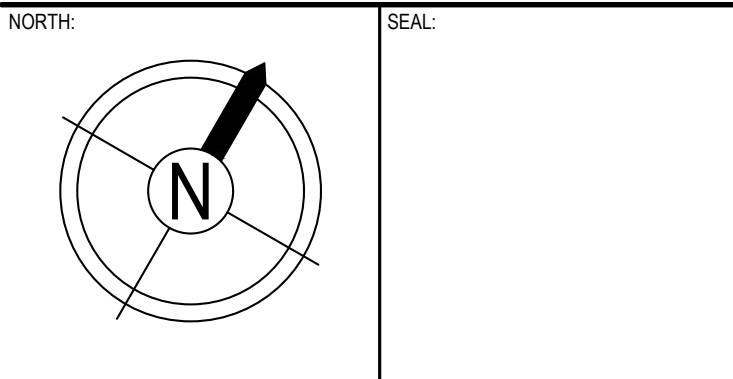
Project Architect	HDR
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05	2026-07-02	90% IFB
04	2026-06-22	50% IFB
03	2025-11-07	ISSUED FOR 100% CONSTRUCTION DOCUMENTS
02	2025-10-17	ISSUED FOR CLASS A COST ESTIMATE
01	2025-09-22	ISSUED FOR 30% REVIEW
NO.	DATE (YYYY-MM-DD)	DESCRIPTION
DRAWING ISSUE		

KEYPLAN:



PROJECT:
**KHSC KGH EMERGENCY POWER
SYSTEM CAPACITY &
INFRASTRUCTURE REMEDIATION**

HHA PROJECT NUMBER: 2250139

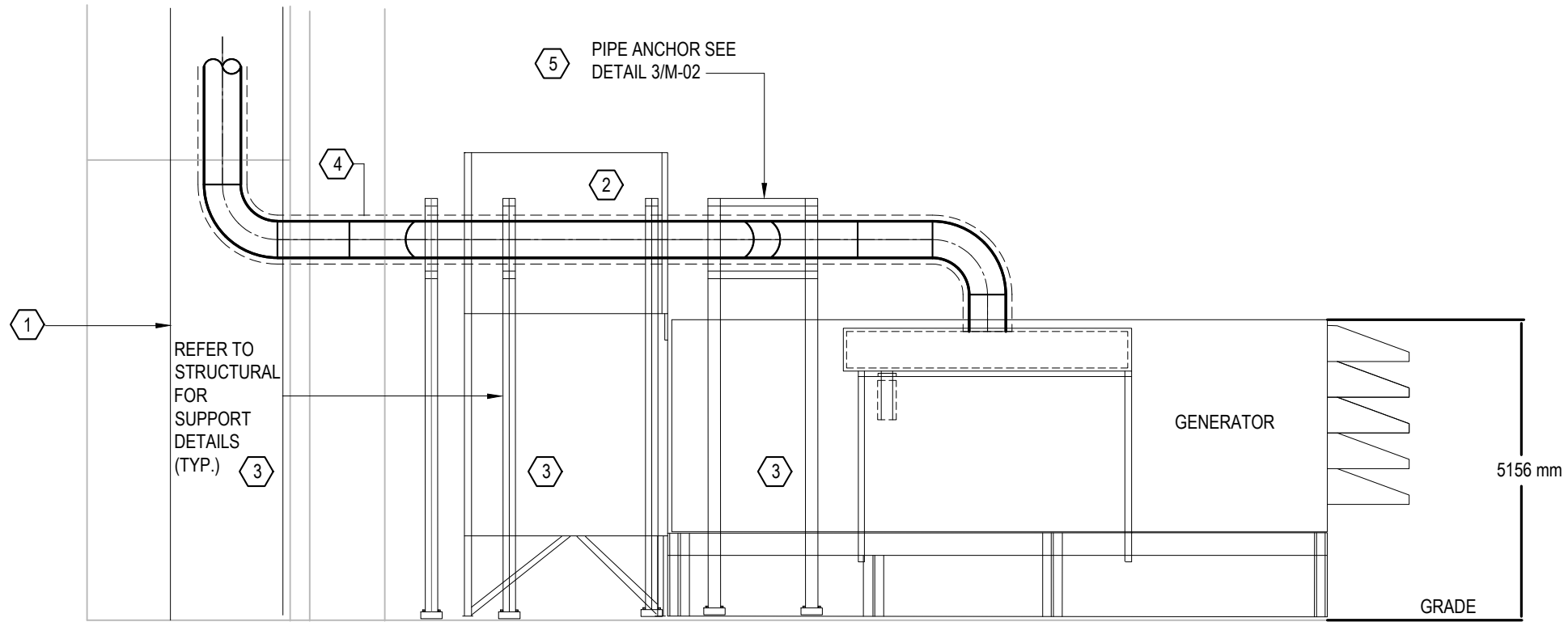
DRAWING TITLE:
MECHANICAL SITE PLAN

PAGE SIZE:	ARCH D	DRAWN BY:	S. L.
SCALE:	1:100	CHECKED BY:	M. H.

DRAWING NUMBER:

M-01

FILE NAME: P:\2025\103_104\105 - Emergency Power Upgrade\Drawings\Detail of Site Plan_1042 ELEVATIONS AND DETAILS.dwg
PLOT DATE: 2025-07-14 11:33

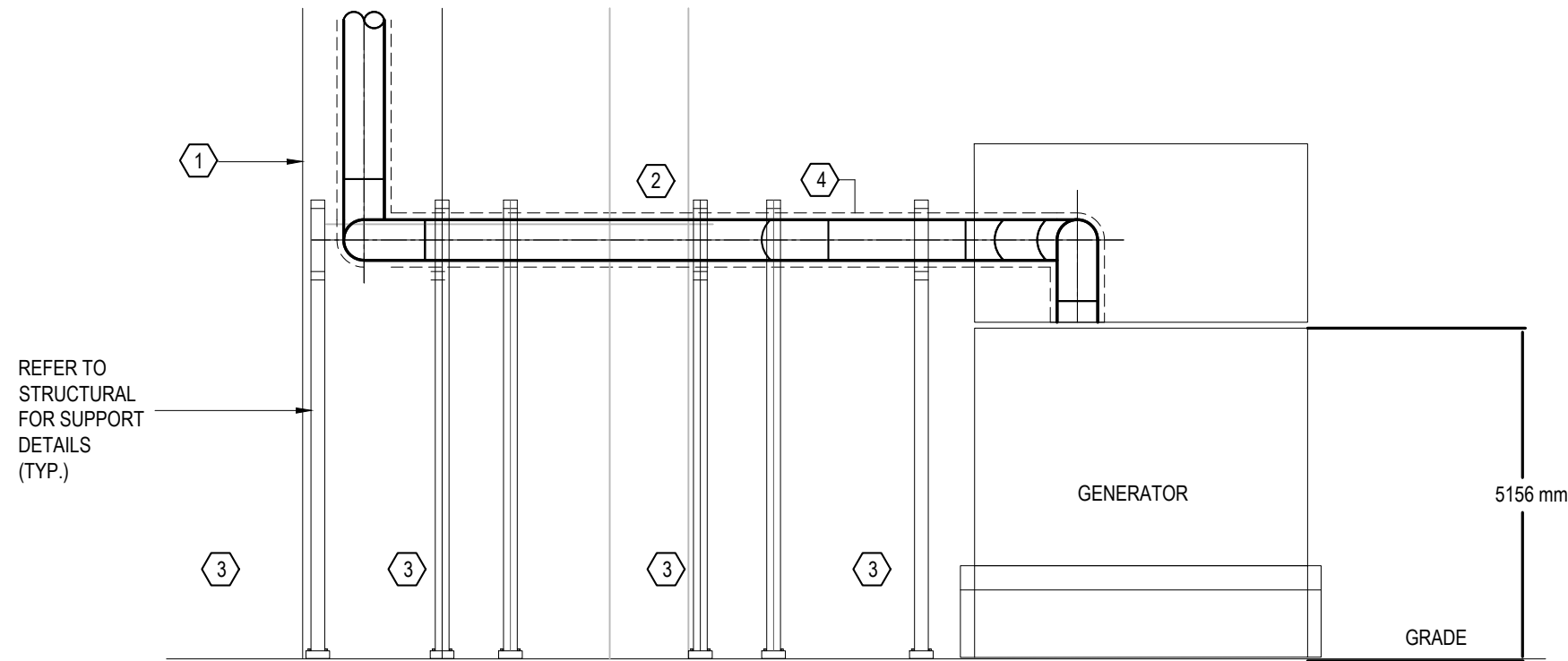


DRAWING NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

- 1 PROVIDE FIRE RATED HIGH TEMPERATURE RESISTANT ENCLOSURE. FINAL HEIGHT TO BE DETERMINED BASED ON THE ENVIRONMENTAL STUDY. APPROXIMATE 50 METER HEIGHT IN TOTAL. APPROXIMATE WEIGHT: 6.1 TONNES.
- 2 PROVIDE THERMAL EXPANSION JOINT(S). FINAL LOCATIONS TO BE DETERMINED IN ACCORDANCE WITH THE CERTIFIED CHIMNEY SHOP DRAWINGS.
- 3 EXHAUST STACK SUPPORT LOCATIONS INDICATIVE ONLY; FINAL DESIGN / PLACEMENT BY STRUCTURAL.
- 4 100 MM ANNULAR INSULATION, 8000 TOTAL DIAMETER.

2 GENERATOR STACK - ELEVATION B-B

SCALE 1:100



DRAWING NOTES
(NOTES AND NUMBERING BELOW PERTAINS TO THIS DRAWING ONLY.)

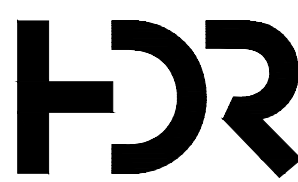
- 1 PROVIDE FIRE RATED HIGH TEMPERATURE RESISTANT ENCLOSURE. FINAL HEIGHT TO BE DETERMINED BASED ON THE ENVIRONMENTAL STUDY. APPROXIMATE 50 METER HEIGHT IN TOTAL. APPROXIMATE WEIGHT: 6.1 TONNES.
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- 3 EXHAUST STACK SUPPORT LOCATIONS INDICATIVE ONLY; FINAL DESIGN / PLACEMENT BY STRUCTURAL.
- 4 100 MM ANNULAR INSULATION, 8000 TOTAL DIAMETER.

1 GENERATOR STACK - ELEVATION A-A

SCALE 1:100



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27 Princess Street, Suite 400, Kingston, ON K7M 1A3

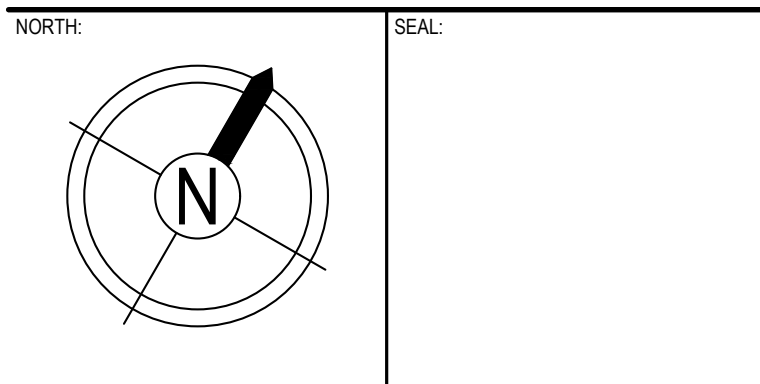
Project Architect	HDR
Civil	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS

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NO.	DATE (YYYY-MM-DD)	DESCRIPTION
DRAWING REVISIONS		

06	2026-07-15	ISSUED FOR 100% IFB
05	2026-07-02	90% IFB
04	2026-06-22	50% IFB
03	2025-11-07	ISSUED FOR 100% CONSTRUCTION DOCUMENTS
02	2025-10-17	ISSUED FOR CLASS A COST ESTIMATE
01	2025-09-22	ISSUED FOR 30% REVIEW
NO.	DATE (YYYY-MM-DD)	DESCRIPTION
DRAWING ISSUE		

KEYPLAN:



PROJECT:
KHSC KGH EMERGENCY POWER
SYSTEM CAPACITY &
INFRASTRUCTURE REMEDIATION

HHA PROJECT NUMBER: 2250139

DRAWING TITLE:
GENERATOR ELEVATIONS AND
DETAILS
MECHANICAL

PAGE SIZE:	ARCH D	DRAWN BY:	S. L.
SCALE:	1:100	CHECKED BY:	M. H.
DRAWING NUMBER:			

M-02

FIRE ALARM LEGEND

	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM SMOKE DETECTOR
	WALL MOUNTED SHOWN ON LEFT, CEILING MOUNTED SHOWN ON RIGHT
 OR 	X = 2 DEVICES DUAL CONTACT
	X = DEVICES SHOWN ON RIGHT
	X = DEVICES ON STROBE
	FIRE ALARM HIGH TEMPERATURE DETECTOR
	WALL MOUNTED SHOWN ON LEFT, CEILING MOUNTED SHOWN ON RIGHT
	HIGH TEMPERATURE FIRE ALARM HEAT DETECTOR
	WALL MOUNTED SHOWN ON LEFT, CEILING MOUNTED SHOWN ON RIGHT
	FIRE ALARM SMOKE DETECTOR
	WALL MOUNTED SHOWN ON LEFT, CEILING MOUNTED SHOWN ON RIGHT
	REMOTE ALARM FOR DUCT MOUNTED SMOKE DETECTOR
	REMOTE ALARM FOR FIRE ALARM BEAM DETECTOR AND RECEIVER
	FIRE ALARM SMOKE DETECTOR
	WALL MOUNTED SHOWN ON LEFT, CEILING MOUNTED SHOWN ON RIGHT
	FIRE ALARM SMOKE DETECTOR WITH STROBE
	WALL MOUNTED SHOWN ON LEFT, CEILING MOUNTED SHOWN ON RIGHT
	FIRE ALARM SMOKE DETECTOR WITH STROBE
	WALL MOUNTED SHOWN ON LEFT, CEILING MOUNTED SHOWN ON RIGHT
	FIRE ALARM HORN
	FIRE ALARM HORN WITH STROBE
	FIRE ALARM BELL
	FIRE ALARM BELL
	SPRINKLER/STANDPIPE SYSTEM SUPERVISED VALVE
	SPRINKLER/STANDPIPE SYSTEM FLOW SWITCH
	SPRINKLER/STANDPIPE SYSTEM PRESSURE SWITCH
	FIRE ALARM NOTIFICATION MODULE
	FIRE ALARM CONTROL MODULE
	FIRE ALARM END OF LINE RESISTOR
	FIRE ALARM FIRE FIGHTERS HANDSET
	FIRE ALARM FIRE FIGHTERS HANDSET
	FIRE ALARM ZONE BOUNDARY
	FIRE ALARM ZONE BOUNDARY
	FIRE ALARM PANEL
	WALL MOUNTED SHOWN ON LEFT, SURFACE MOUNTED SHOWN ON RIGHT
	X = PA SYSTEMS FIRE ALARM TRANSFORMER PANEL
	X = PA SYSTEMS FIRE ALARM TRANSFORMER PANEL
	WALL MOUNTED SHOWN ON LEFT, SURFACE MOUNTED SHOWN ON RIGHT
	X = PA SYSTEMS FIRE ACTION PANEL
	WALL MOUNTED SHOWN ON LEFT, SURFACE MOUNTED SHOWN ON RIGHT
	X = PA SYSTEMS FIRE ACTION PANEL
	WALL MOUNTED SHOWN ON LEFT, SURFACE MOUNTED SHOWN ON RIGHT
	X = PA SYSTEMS FIRE ACTION PANEL
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	X = PA SYSTEMS FIRE ACTION PANEL
	WALL MOUNTED SHOWN ON LEFT, SURFACE MOUNTED SHOWN ON RIGHT
	X = PA SYSTEMS FIRE ACTION PANEL

PIPE FOR FIRE ALARM ASPIRATION SYSTEM.

LINEAR FIRE ALARM HEAT DETECTOR.

ELECTRICAL POWER LEGEND

	120V 1Ø DIRECT CONNECTION FOR EQUIPMENT AS NOTED
	208V 1Ø DIRECT CONNECTION FOR EQUIPMENT AS NOTED
	240V 3Ø DIRECT CONNECTION FOR EQUIPMENT AS NOTED
	415V OR 480V 3Ø DIRECT CONNECTION FOR EQUIPMENT AS NOTED
	600V 3Ø DIRECT CONNECTION FOR EQUIPMENT AS NOTED
	FLOOR MOUNTED POWER MOUNTOUT
	X DENOTES TYPE
	FLOOR MOUNTED COMBINATION POWER AND DATA MOUNTOUT
	X DENOTES TYPE
	FLOOR MOUNTED FOR POWER AND/OR SYSTEMS FURNITURE
	X DENOTES TYPE
	WALL MOUNTED POWER & DATA INPUT FOR SYSTEMS FURNITURE
	X DENOTES TYPE
	HEADMOUNT/SERVICE COLUMN
	X DENOTES TYPE
	SERVICE POLE
	SURFACE MOUNTED RACEWAY
	TYPE AS SPECIFIED ON TYPE AND QUANTITY OF DEVICES INDICATED
	UNFUSED DISCONNECT SWITCH
	X DENOTES DISCONNECT RATING
	FUSED DISCONNECT SWITCH
	X DENOTES DISCONNECT RATING
	X DENOTES FUSE SIZE
	JUNCTION BOX OR BLANK COVER PLATE
	SIZE FOR THE SERVICE CONNECTION NOTED
	RULL BOX OR BLANK COVER PLATE
	SIZE FOR THE SERVICE CONNECTION AS NOTED
	MOTOR CONTROLLER
	XA DENOTES TYPE
	VARIABLE FREQUENCY DRIVE
	XA DENOTES TYPE
	TRANSFORMER
	HARMONIC FILTERS
	ELECTRICAL PANEL
	FLOOR MOUNT SHOWN ON LEFT, SURFACE MOUNTED SHOWN ON RIGHT
	POWER PANEL
	FLOOR MOUNT SHOWN ON LEFT, SURFACE MOUNTED SHOWN ON RIGHT
	SPLITTER
	COPPER GROUND BAR
	GROUND ROD
	GROUND ROD CIR GROUND PLATE
	LIGHTNING PROTECTION DOWNLEAD
	LIGHTNING PROTECTION FLOOR MOUNTED AIR TERMINAL
	LIGHTNING PROTECTION FLOOR MOUNTED AIR TERMINAL
	BUS DUCT OF CABLE BUS AS NOTED
	OR
	FLOOR MOUNT SHOWN ON LEFT, SURFACE MOUNTED SHOWN ON RIGHT
	OR
	BUS DUCT OF CABLE BUS UP
	OR
	BUS DUCT OF CABLE BUS DOWN
	CABLE TRAY
	OR
	CABLE TRAY ELBOW
	CABLE TRAY TEE
	CABLE TRAY CROSSED TEE
	CABLE TRAY UP
	OR
	CABLE TRAY DOWN

GENERAL NOTES

NOTE THE NUMBERS BELOW PERTAIN TO THE L-6 SERIES DRAWING

- COORDINATE WITH OWNER FOR SYSTEM SOLUTIONS ACTIVITIES INCLUDING THE REMOVAL OF EXISTING EQUIPMENT AND INSTALLATION OF NEW EQUIPMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING EQUIPMENT AND STRUCTURES. CONTRACTOR SHALL CONTRACT AND SHALL INCURE ALL COSTS TO REPAIR AND RESTORE ALL EXISTING EQUIPMENT AND STRUCTURES TO BE RESPONSIBLE FOR CUTTING, PATCHING AND PAINTING. AS REQUIRED, TO FACILITATE THE INSTALLATION OF NEW SERVICES. FIRESTOP AND CLOSE ANY OPENINGS IN WALLS OR CEILINGS THAT YOUR WORK WILL AFFECT THE FIRE RATING OF THE WALLS TO INSTALLATION OF NEW SERVICES. FISH TO MATCH EXISTING.
- THE CONTRACTOR DOES NOT WARRANT THE ACCURACY OF EXISTING CONDITIONS OR THE ACCURACY OF THE DIMENSIONS SHOWN ON THE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING THE WORK. TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS THAT WILL AFFECT THE WORK.
- SUBMITTING WORK WITH OTHER TRADES PRIOR TO THE REACHING OF ALL POWER INCLUDING CONNECTIONS TO EQUIPMENT SUPPLIER.
- ALL DEVICE AND SYSTEMS SHOWN TO BE OFF HOURS OR ON WEEKENDS. COORDINATE WITH OWNER FOR EACH TIME AND MONITOR FOR VIOLATIONS.
- UPDATE ALL PANEL SCHEDULES AT THE END OF THE PROJECT.

CONDUCTOR LABELS

QUANTITY (IF MORE THAN 1) — 2x

QUANTITY OF MAIN CONDUCTORS — 4

SIZE OF MAIN CONDUCTORS — #250

AL = ALUMINUM CONDUCTORS
CU = COPPER CONDUCTORS — CU

GROUND — G

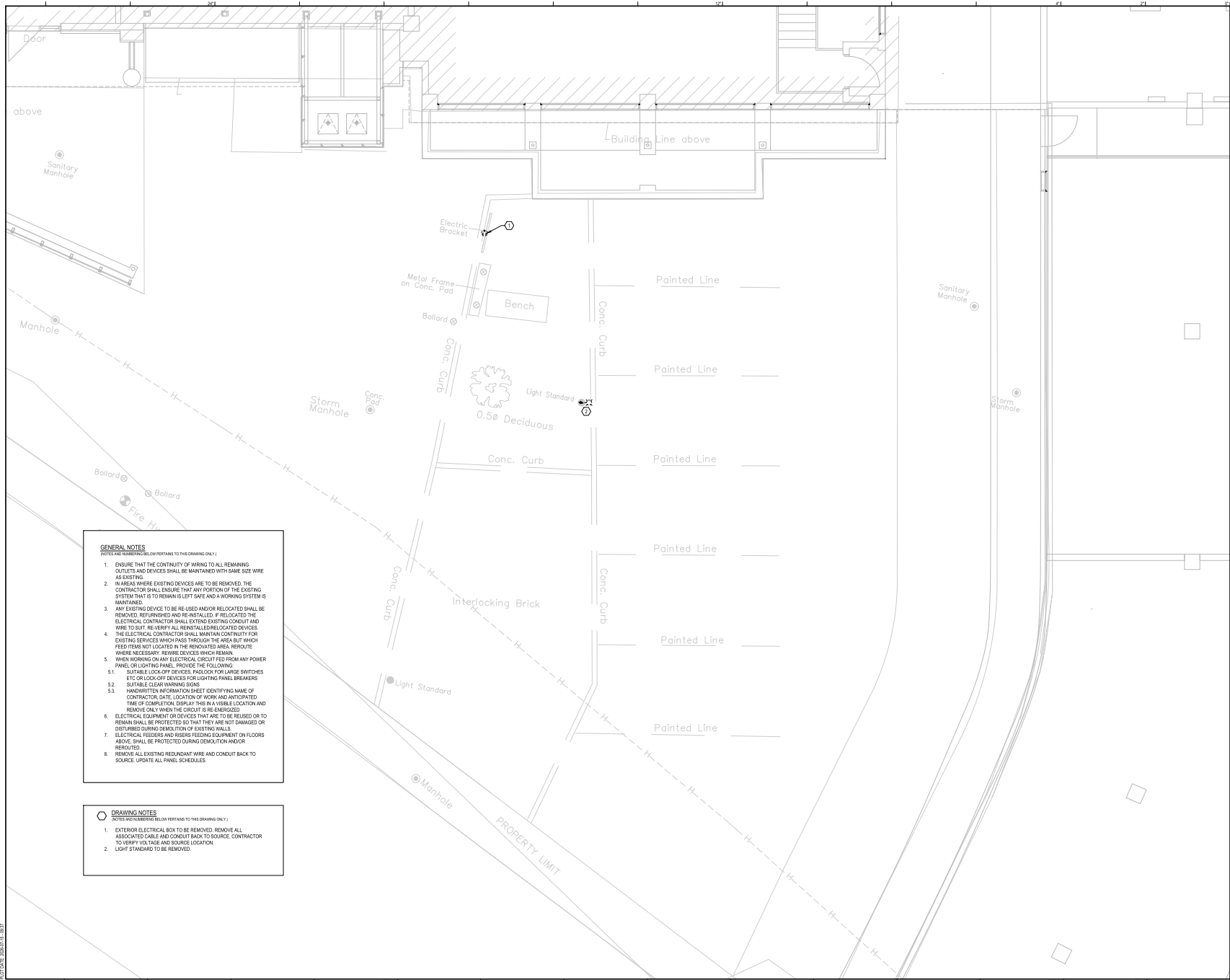
CONDUIT SIZE — 78mm C

2x [4 #250 CU + G - 78mm C]

ELECTRICAL GENERAL LEGEND

	OR		ELECTRICAL EQUIPMENT LABEL "XXX" DENOTES ITEM CATEGORY "YY" DENOTES ITEM REFERENCE
			EXISTING ELECTRICAL EQUIPMENT OR SERVICE TO REMAIN.
			EXISTING ELECTRICAL EQUIPMENT OR SERVICE TO BE REMOVED.
			EXISTING ELECTRICAL EQUIPMENT OR SERVICE TO BE RELOCATED.
			NEW LOCATION OF RELOCATED ELECTRICAL EQUIPMENT OR SERVICE.
			DEMARCATION POINT. ITEMS TO THE LEFT OF THE POINT IS BY DIVISION XX ITEMS TO THE RIGHT OF THE POINT IS BY DIVISION YY

PL/ENRME-11-22501-100-KHSC-Emergency Power Upgrade/Remediation/01- Electrical Remediation Plan.dwg
AUTOCAD 2020/11/11 10:07



GENERAL NOTES

NOTES ARE NUMBERED BELOW PERTAIN TO THIS DRAWING ONLY.

1. ENSURE THAT THE CONTINUITY OF WIRING TO ALL REMAINING OUTLETS AND DEVICES SHALL BE MAINTAINED WITH SAME SIZE WIRE AS EXISTING.
2. IN AREAS WHERE EXISTING DEVICES ARE TO BE REMOVED, THE CONTRACTOR SHALL ENSURE THAT ANY PORTION OF THE EXISTING SYSTEM THAT IS TO REMAIN IS LEFT SAFE AND A WORKING SYSTEM IS MAINTAINED.
3. ANY EXISTING DEVICE TO BE RE-USED AND/OR RELOCATED SHALL BE REMOVED, REFURNISHED AND RE-INSTALLED. IF RELOCATED THE ELECTRICAL CONTRACTOR SHALL EXTEND EXISTING CONDUIT AND WIRE TO SUIT. RE-VERIFY ALL RENEWAL/RELOCATED DEVICES.
4. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN CONTINUITY FOR EXISTING SERVICES WHICH PASS THROUGH THE AREA BUT WHICH FEED ITEMS NOT LOCATED IN THE RENOVATED AREA. RE-ROUTE WHERE NECESSARY. RE-USE DEVICES WHICH REMAIN.
5. WHEN WORKING ON ANY ELECTRICAL CIRCUIT FED FROM ANY POWER PANEL, OR LIGHTING PANEL, PROVIDE THE FOLLOWING:
 - 5.1. SUITABLE LOCK-OFF DEVICES, PADLOCK FOR LARGE SWITCHES
 - 5.2. SUITABLE CLEAR WARNING SIGNS
 - 5.3. SUITABLE CLEAR WARNING SIGNS
6. HANDWRITTEN INFORMATION SHEET IDENTIFYING NAME OF CONTRACTOR, DATE, LOCATION OF WORK AND ANTICIPATED TIME OF COMPLETION, DISPLAY THIS IN A VISIBLE LOCATION AND REMOVE ONLY WHEN THE CIRCUIT IS RE-ENERGIZED.
7. ELECTRICAL EQUIPMENT OR DEVICES THAT ARE TO BE RE-USED OR TO REMAIN SHALL BE PROTECTED SO THAT THEY ARE NOT DAMAGED OR DISTURBED DURING DEMOLITION OF EXISTING WALLS.
8. ELECTRICAL FEEDERS AND WIRING FEEDING EQUIPMENT ON FLOORS ABOVE, SHALL BE PROTECTED DURING DEMOLITION AND/OR REDEMPTION.
9. REMOVE ALL EXISTING REDUNDANT WIRE AND CONDUIT BACK TO SOURCE. UPDATE ALL PANEL SCHEDULES.

DRAWING NOTES

NOTES ARE NUMBERED BELOW PERTAIN TO THIS DRAWING ONLY.

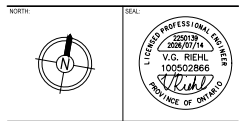
1. EXTERIOR ELECTRICAL BOX TO BE REMOVED. REMOVE ALL ASSOCIATED CABLE AND CONDUIT BACK TO SOURCE. CONTRACTOR TO VERIFY VOLTAGE AND SOURCE LOCATION.
2. LIGHT STANDARD TO BE REMOVED.

Project Architect	HDR
Civil	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS

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98	2024-08-20	ISSUED FOR 90% P.T.
99	2024-08-20	ISSUED FOR 90% P.T.
100	2024-08-20	ISSUED FOR 90% P.T.

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PROJECT:
**KHSC KGH EMERGENCY POWER
SYSTEM CAPACITY &
INFRASTRUCTURE REMEDIATION**

100% PROJECT NUMBER: 22501/130

DRAWING TITLE:
ELECTRICAL REMEDIATION PLAN

PAGE SIZE:	ARCH D	DRAWN BY:	A.S.
SCALE:	1:50	CHECKED BY:	V.R.

DRAWING NUMBER:

E0-11

DRAWING NOTES

NOTES APPLICABLE BELOW PERTAIN TO THIS DRAWING ONLY.)

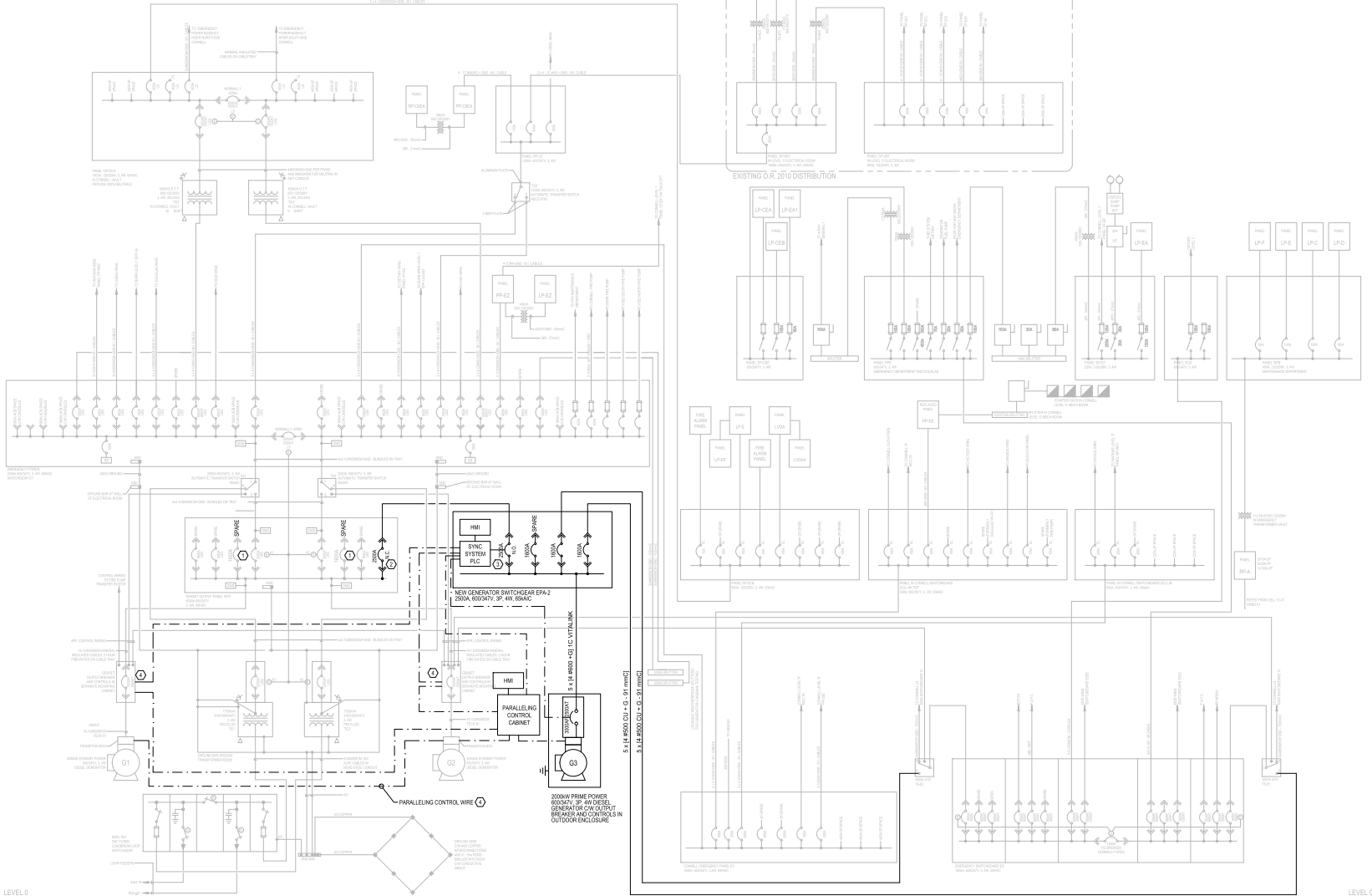
- EXISTING CIRCUIT BREAKER TO BECOME A SPARE.
- EXISTING 100A SPARE CIRCUIT BREAKER TO BE REMOVED AND REPLACED WITH 200A CIRCUIT BREAKER. CONTRACTOR TO CONFIRM SIZE OF RUNBACK BUS ALLOW FOR RUNBACK BUS TO BE REPLACED WITH 200A BUS. COORDINATE SHUTDOWN WITH THE OWNER.
- HOT SWAPPABLE PLC SYSTEM
- REPLACE EXISTING GENERATOR PARALLING CONTROLS. (SPICE EXISTING ATS TS-1, TS-2, TS-61 AND TS-62 CONTROL, WIRING TO NEW SYNC SYSTEM PLC.

LEVEL 2

LEVEL 2

LEVEL 1

LEVEL 1



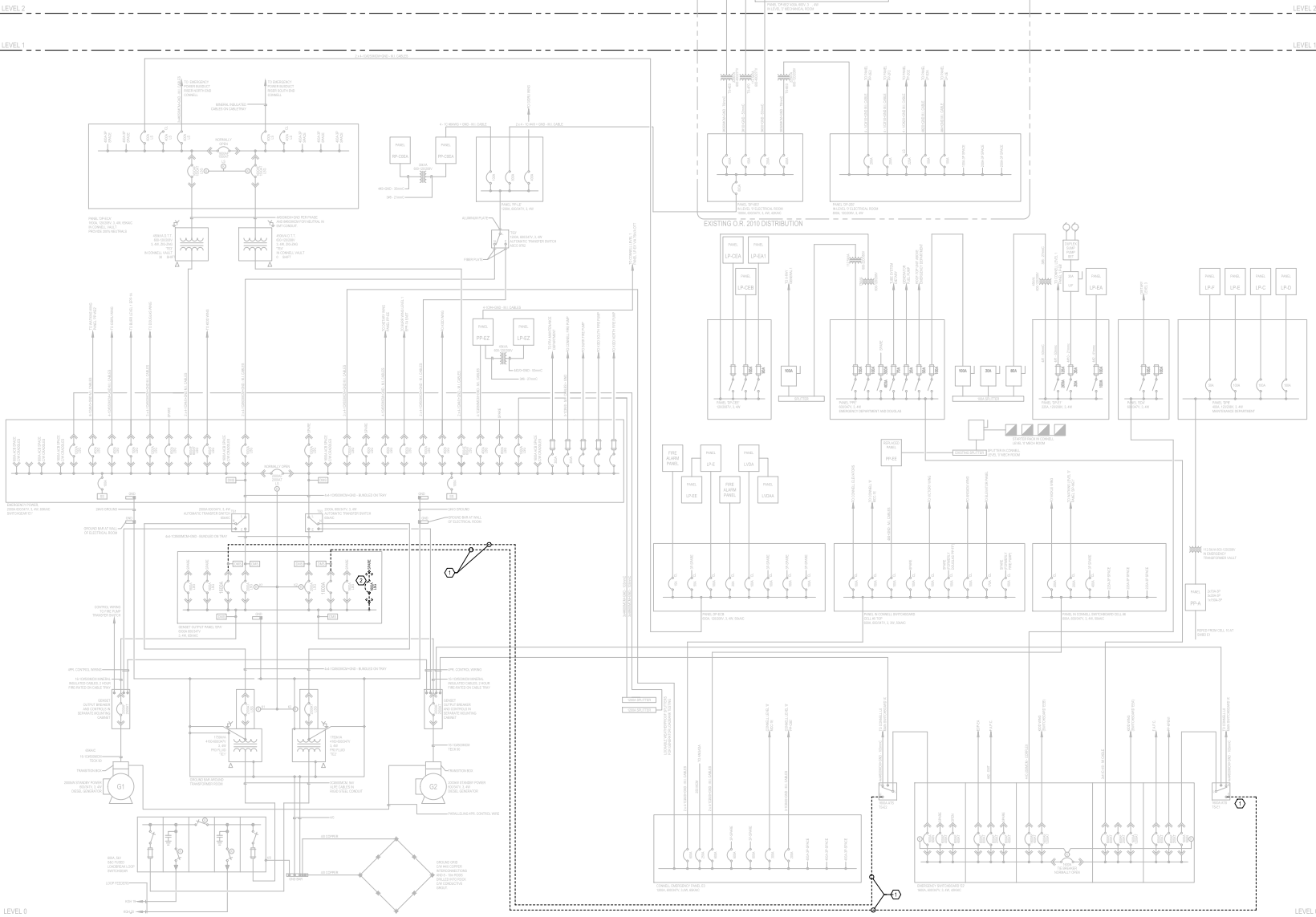
Project Architect	HDR
Civil	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS

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FOR INFORMATION ONLY

NO.	DATE (YYYY-MM-DD)	DESCRIPTION
1	2024-07-15	ISSUED FOR 100% IPT
2	2024-07-15	ISSUED FOR 100% IPT
3	2024-07-15	ISSUED FOR 100% IPT
4	2024-07-15	ISSUED FOR 100% IPT
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6	2024-07-15	ISSUED FOR 100% IPT
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18	2024-07-15	ISSUED FOR 100% IPT
19	2024-07-15	ISSUED FOR 100% IPT
20	2024-07-15	ISSUED FOR 100% IPT

- DRAWING NOTES**
 NOTES ARE SHOWN BELOW PERTAINING TO THIS DRAWING ONLY.)
- EXISTING CABLE/CONDUIT BETWEEN SWITCHGEAR EPA AND TS-E1 AND TS-E2 TO BE REMOVED.
 - EXISTING 100A SPARE BREAKER TO BE REMOVED.

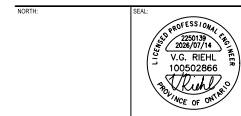


HDR Architecture Associates Inc.
 27 Prince Street, Suite 400, Angouss, ON M7H 1A3

Project Architect	HDR
Civil	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS

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3	2024-06-20	ISSUED FOR 0% P.T.
2	2024-06-20	ISSUED FOR 0% P.T.
1	2024-06-20	ISSUED FOR 0% P.T.



PROJECT:
**KHSC KGH EMERGENCY POWER
 SYSTEM CAPACITY &
 INFRASTRUCTURE REMEDIATION**

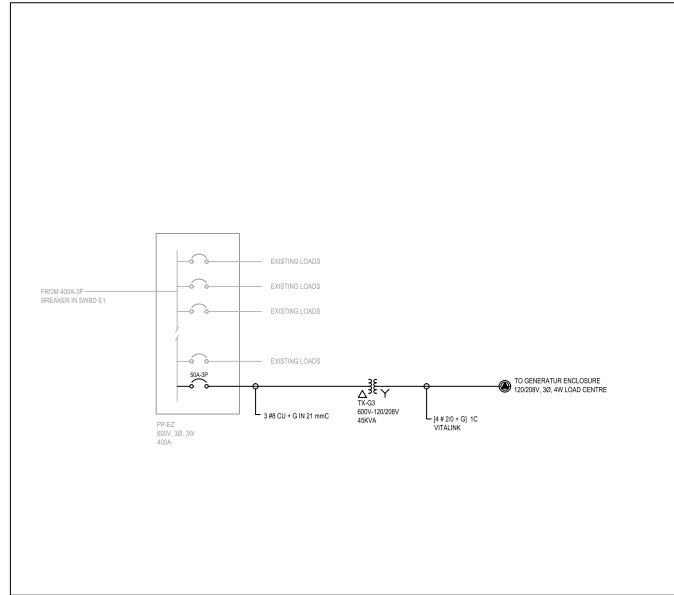
10% PROJECT NUMBER: 2350135

DRAWING TITLE:
EXISTING SINGLE LINE DIAGRAM

PAGE SIZE:	ARCH D	DRAWN BY:	A.S.
SCALE:	NOT TO SCALE	CHECKED BY:	V.R.
DRAWING NUMBER:			

E1-02

P:\Drawing - 2025\10-10-2025 - KHSC - Emergency Power Upgrade\Drawing\1-03 Shore Power Detail.dwg
DATE: 2025-10-10 10:10 AM
BY: V.R.



1 SHORE POWER DETAILS
E1-03 N.T.S.



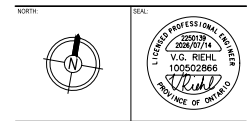
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Project Architect	HDR
Civil	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS

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NO.	DATE (YYYY-MM-DD)	DESCRIPTION
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15	2024-06-20	ISSUED FOR 90% P.T.
14	2024-05-08	ISSUED FOR INFORMATION
13	2024-04-02	ISSUED FOR 100% CONSTRUCTION DOCUMENTS
12	2024-03-17	ISSUED FOR CLASS A COST ESTIMATE
11	2024-02-22	ISSUED FOR 90% REVIEW
10	2024-01-10	ISSUED FOR 90% REVIEW
9	2024-01-10	ISSUED FOR 90% REVIEW

KHSC/KH



PROJECT:
**KHSC KGH EMERGENCY POWER
SYSTEM CAPACITY &
INFRASTRUCTURE REMEDIATION**

100% PROJECT NUMBER: 22501335

DRAWING TITLE:
SHORE POWER DETAILS

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SCALE:	AS INDICATED	CHECKED BY:	V.R.

DRAWING NUMBER:
E1-03

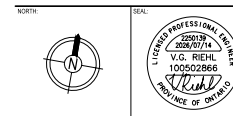
Project Architect	HDR
Client	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS

DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO THE CONSULTANT BEFORE PROCEEDING.
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NO.	DATE (YYYY-MM-DD)	DESCRIPTION
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9	2024-08-20	ISSUED FOR 20% P.T.
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9	2024-08-20	ISSUED FOR 20% P.T.
10	2024-08-20	ISSUED FOR 10% P.T.

REVISIONS



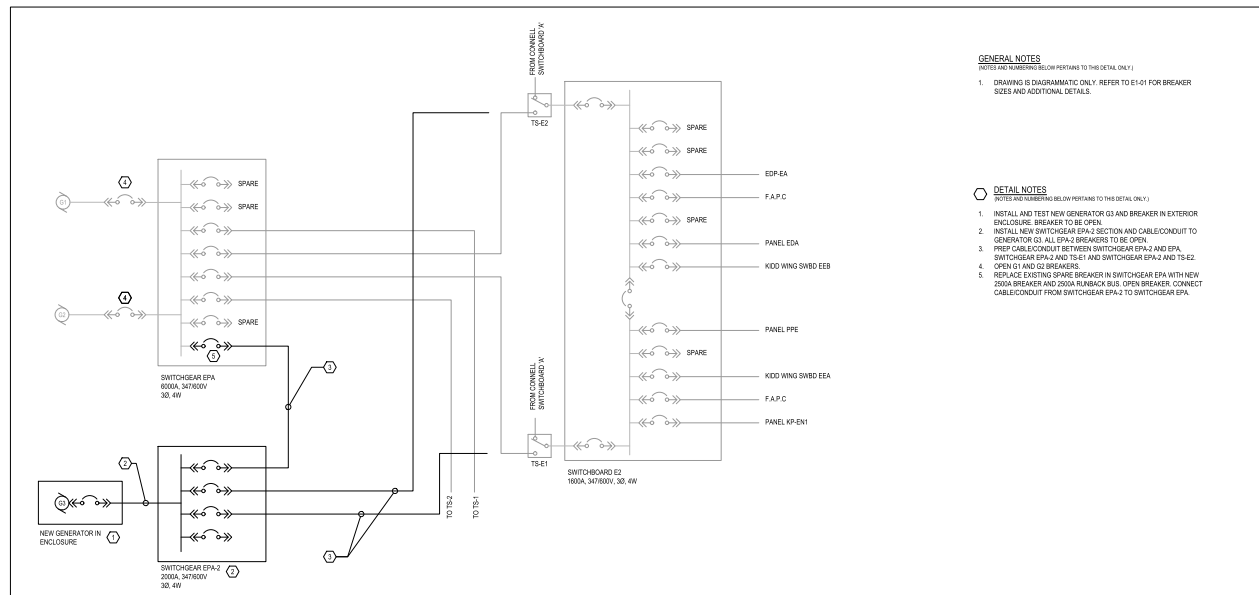
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**KHSC KGH EMERGENCY POWER
SYSTEM CAPACITY &
INFRASTRUCTURE REMEDIATION**

10% PROJECT NUMBER: 2260135

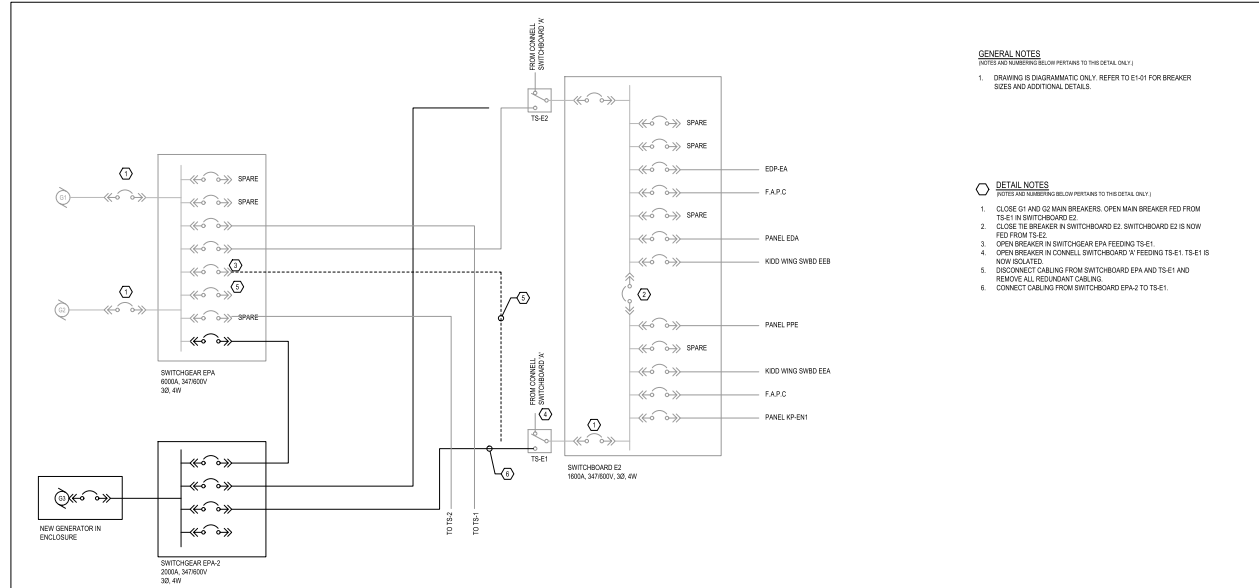
DRAWING TITLE:
**ELECTRICAL PHASING DIAGRAMS
SHEET 1**

PAGE SIZE:	ARCH D	DRAWN BY:	A.S.
SCALE:	AS INDICATED	CHECKED BY:	V.R.

E1-10

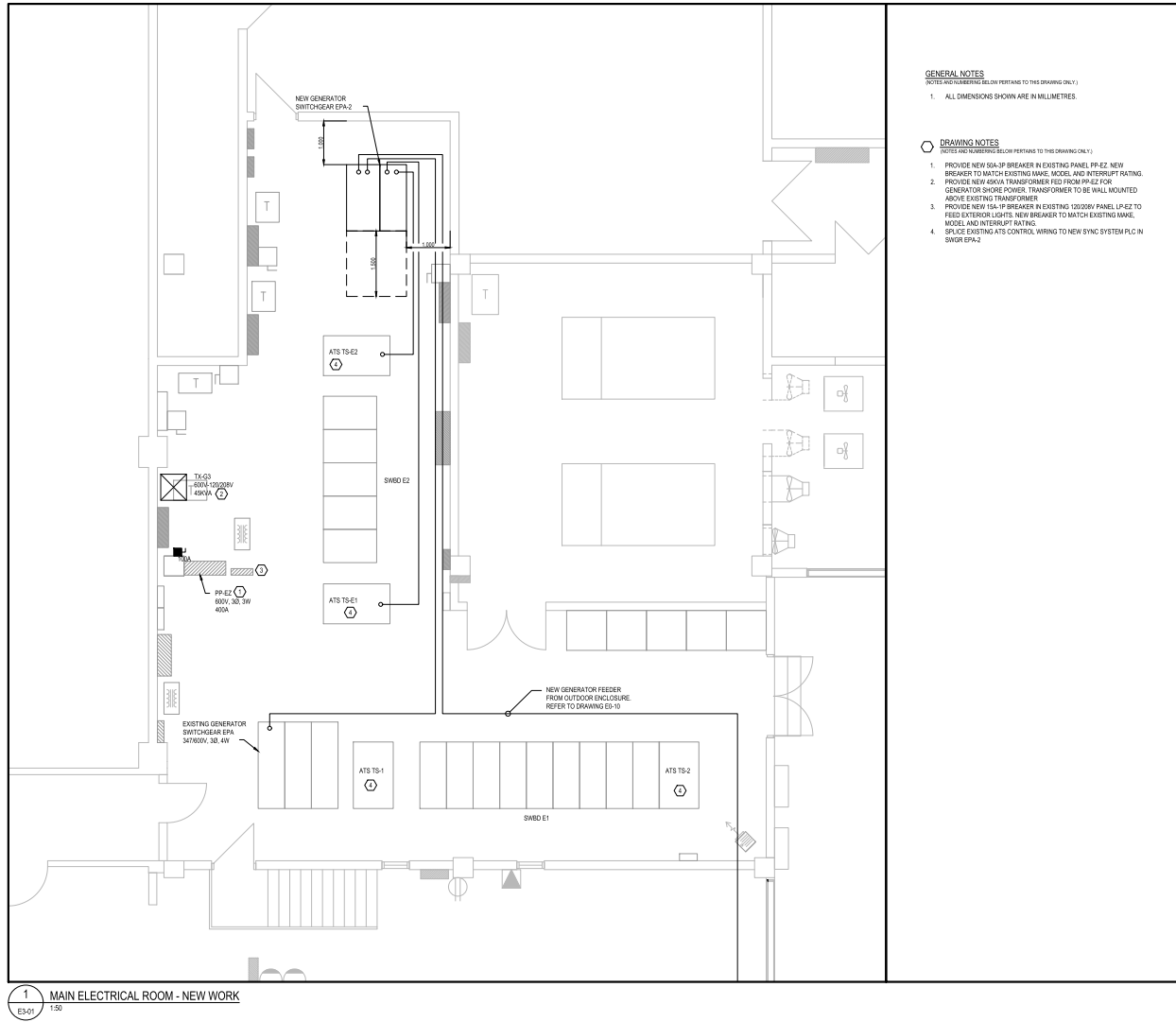


1 PHASE 1 - NEW EQUIPMENT PREP
N.T.S.



2 PHASE 2 - TS-E1 RE-FEED
N.T.S.

\\F:\DWG\17-2250135-01-KHSC-EmergencyPower\Upgrade\DWG\E3-01 Main Electrical Room Layout.dwg
DATE: 2024-07-15 10:28:30



GENERAL NOTES

NOTES AND NUMBERING BELOW PERTAIN TO THIS DRAWING ONLY.

1. ALL DIMENSIONS SHOWN ARE IN MILLIMETRES.

DRAWING NOTES

NOTES AND NUMBERING BELOW PERTAIN TO THIS DRAWING ONLY.

1. PROVIDE NEW 250-1P BREAKER IN EXISTING PANEL PP-E2. NEW BREAKER TO MATCH EXISTING NAME, MODEL AND INTERRUPT RATING.
2. PROVIDE NEW 400A TRANSFORMER FED FROM PP-E2 FOR GENERATOR SHORE POWER. TRANSFORMER TO BE WALL MOUNTED ABOVE EXISTING TRANSFORMER.
3. PROVIDE NEW 15A-1P BREAKER IN EXISTING 120/208V PANEL LP-E2 TO FEED EXTERIOR LIGHTS. NEW BREAKER TO MATCH EXISTING NAME, MODEL AND INTERRUPT RATING.
4. SPLICE EXISTING ATS CONTROL WIRING TO NEW SYNC SYSTEM PLC IN SWGR EPA-2.



HH Angus & Associates Limited Consulting Engineers
1176 Eglinton Ave E, Suite 800, Toronto, ON, M3C 0S1 Canada
www.hhangus.com | T 416 443 8200 | F 416 443 8290



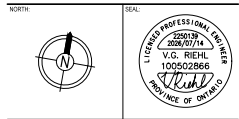
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Project Architect	HDR
Civil	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS

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NO.	DATE (YYYY-MM-DD)	DESCRIPTION
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REVISION



PROJECT:
**KHSC KGH EMERGENCY POWER
SYSTEM CAPACITY &
INFRASTRUCTURE REMEDIATION**

MAIN PROJECT NUMBER: 2250135

DRAWING TITLE:
**MAIN ELECTRICAL ROOM - NEW
WORK**

PAGE SIZE:	ARCH D	DRAWN BY:	A.S.
SCALE:	AS INDICATED	CHECKED BY:	V.R.

DRAWING NUMBER:

E3-01

INDEX OF DRAWINGS

C-00 — INDEX OF DRAWINGS AND GENERAL NOTES

C-01 — SITE PLAN EXISTING CONDITIONS

C-02 — SITE PLAN REMOVALS AND ESC

C-03 — SIRE PLAN UNDERGROUND STRUCTURES

C-04 — SITE PLAN GRADING

C-05 — SANITARY AND STORM SEWER PROFILES

C-06 — SECTION

C-07 — STANDARD DETAILS

GENERAL NOTES

3. THE EXISTENCE, LOCATION AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION, SIZE AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT OR PERSON(S) OF ITS INTENTION TO CARRY OUT THE WORK.

2. CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES, UNDERGROUND STRUCTURES AND ABOVE GRADE SITE STRUCTURES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, CONTRACTOR SHALL FURNISH SUCH EQUIPMENT.

3. CONTRACTOR MUST MAINTAIN POSITIVE DRAINAGE AT ALL TIMES. DRAINAGE MUST NOT BE DIRECTED OFF-SITE UNLESS INDICATED ON THE PLANS.

4. CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AS NECESSARY TO MAINTAIN SAFETY AND SECURITY OF WORK SITE AT ALL TIMES. CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MAINTAINING & REMOVING ANY TEMPORARY FACILITIES NECESSARY TO ACCESS THE SITE. INCLUDING, BUT NOT LIMITED TO FENCES, GATES, GRANULAR, SILT FENCES & TRAFFIC CONTROL DEVICES.

5. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING ACCESS TO THE SITE

6. ALL WORK SHALL BE COMPLETED ACCORDING TO THE CURRENT VERSION OF ONTARIO OCCUPATIONAL AND SAFETY ACT AND SUPPORTING REGULATIONS.

7. ALL TEMPORARY TRAFFIC CONTROL AND SIGNAGE DURING CONSTRUCTION SHALL BE ACCORDING TO THE CURRENT VERSION OF ONTARIO TRAFFIC MANUAL BOOK 7.

8. EXISTING CONDITIONS, INCLUDING TOPOGRAPHIC INFORMATION, UTILITIES AND OTHER STRUCTURES, MAY VARY FROM THOSE SHOWN ON THE DRAWINGS. ALL OVERHEAD CLEARANCES SHOWN ON THE DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS IN THE FIELD AND ADJUST WORK PLAN ACCORDINGLY PRIOR TO COMMENCING THE WORK. CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN EXISTING SITE CONDITIONS AND CONSTRUCTION DRAWINGS TO THE CONSULTANT PRIOR TO CONSTRUCTION START.

9. ALL DIMENSIONS ARE SHOWN IN METRES (M) AND PIPE SIZES ARE SHOWN IN MILLIMETRES (MM) UNLESS OTHERWISE NOTED.

10. CONTRACTOR SHALL PROVIDE UNIFORM SLOPES BETWEEN THE PROPOSED SPOT ELEVATIONS SHOWN.

ORIGINAL DATA SOURCE

1. TOPOGRAPHIC INFORMATION SHOWN ON THE DRAWINGS IS BASED ON THE SURVEY DATA PROVIDED BY HOPKINS CHITTY LAND SURVEYORS INC. CONTRACTOR SHALL REFER TO THE FOLLOWING SURVEY DOCUMENT FOR DETAILS RELATED TO HORIZONTAL DATUM, VERTICAL DATUM AND BENCHMARKS: PLAN SHOWING TOPOGRAPHIC INFORMATION IN FRONT OF KINGSTON GENERAL HOSPITAL, APRIL 10, 2026.

2. UTILITY INFORMATION SHOWN ON THE DRAWINGS IS BASED ON THE SUBSURFACE UTILITY ENGINEERING (SUE) SURVEY DATA PROVIDED BY MULTIVIEW. CONTRACTOR SHALL REFER TO THE FOLLOWING SURVEY DOCUMENT FOR UTILITY DETAILS: 65699-41 KING STREET WEST - KINGSTON HOSPITAL - COMPOSITE UTILITY DRAWING -1.PDF, APRIL 2, 2026.

EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO CONSTRUCTION AND MAINTAIN DURING THE CONSTRUCTION PHASES TO PREVENT ENTRY OF SEDIMENTS TO ST. LAURENCE RIVER AND KING STREET WEST. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.

2. CONTRACTOR SHALL INSTALL 300MM FILTREXX SILT SOXX EXTREME AROUND THE CONSTRUCTION AREA AND ADJUST SILT SOXX LAYOUT AS REQUIRED DURING CONSTRUCTION AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREAS.

3. CONTRACTOR SHALL INSTALL SEDIMENT FILTER IN THE CATCHBASINS AS SHOWN ON THE DRAWINGS.

EXISTING LEGEND

— W ———	WATERMAIN
— G ———	GASMAIN
— BT ———	BELL
— TV ———	TV CABLE
— FO ———	FIBRE OPTIC
— COM ———	COMMUNICATION
— H ———	HYDRO CABLE
— TELS ———	TELS
— R-FO ———	ROGERS FO
— SL ———	BELL FO
— E ———	STREETLIGHT CABLE
— L ———	ELECTRICAL CABLE
— TL ———	TRAFFICLIGHT CABLE
— STM ———	STORM SEWER
— SAN ———	SANITARY SEWER
— W(QL'D') ———	WATER (QL-D)
— G(QL'D') ———	GAS (QL-D)
— B(QL'D') ———	BELL (QL-D)
— STM(QL'D') ———	STORM (QL-D)
— SAN(QL'D') ———	SANITARY (QL-D)
—————	PROPERTY LINE
	• MANHOLE
	• STORM MANHOLE
	• SANITARY MANHOLE
	• CATCH BASIN
	• DOUBLE CATCH BASIN
	• COMBINED MANHOLE
	• GAS VALVE
	• GAS METER
	• STREETLIGHT POLE
	• TRANSFORMER
	• HYDRO POLE
	• TRAFFICLIGHT POLE
	• ELECTRICAL BOX
	• GUY POLE
	• HANDWELL
	• CATCH BASIN MANHOLE
	• BELL/ROGERS PED
	• FLUSH TO GRADE
	• WATER VALVE CHAMBER
	• FIRE HYDRANT
	• WATER VALVE
	• BELL MANHOLE
	• EL 76.54
	• EXISTING BOREHOLE

PROPOSED LEGEND

CONSTRUCTION LIMITS

EL 76.72 PROPOSED ELEVATION

3.75% DRAINAGE FLOW DIRECTION AND SLOPE

STM SEWER

SAN SEWER

MANHOLE

ASPHALT PAVEMENT

CONCRETE PAVEMENT

PAVERS REMOVAL

ASPHALT REMOVAL

CONCRETE REMOVAL

TENDER DRAWING
NOT FOR CONSTRUCTION



HDR Architecture Associates, Inc.
27 Princess Street, Suite 400, Kingston, ON K7M 1A3

Emergency Power System Capacity & Infrastructure Remediation

76 STUART STREET KINGSTON, ON K7L 2V7



Centre des sciences de
la santé de Kingston



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Landscape Architect	
Civil Architect	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	

MARK	DATE	DESCRIPTION
01	02 07 2026	ISSUED FOR 90% IFB Submission
02	15 07 2026	ISSUED FOR 100% IFT Submission

Project Number	10434805
PLO Proj. No.	
MOHLTC #	



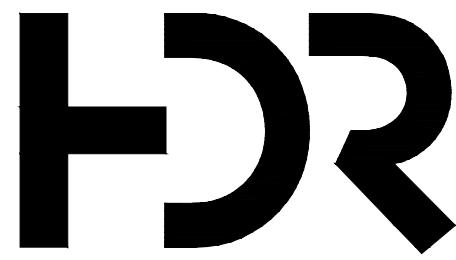
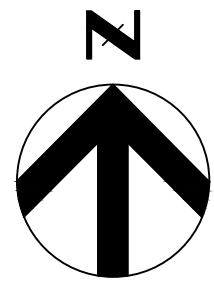
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Scale: NTS

Sheet Number:

C-00

Project Status: PRELIMINARY



HDR Architecture Associates, Inc.
27 Princess Street, Suite 400, Kingston, ON K7M 1A3

Emergency Power System Capacity & Infrastructure Remediation

76 STUART STREET KINGSTON, ON K7L 2V7

**Kingston Health
Sciences Centre**

Centre des sciences de
la santé de Kingston



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Landscape Architect	
Civil Architect	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	

MARK	DATE	DESCRIPTION
01	22 06 2026	ISSUED FOR 50% IFB Submission
02	02 07 2026	ISSUED FOR 90% IFB Submission
03	15 07 2026	ISSUED FOR 100% IFB Submission

Project Number
PLO Proj. No.
MOHLTC #

10434805



SITE PLAN EXISTING CONDITIONS

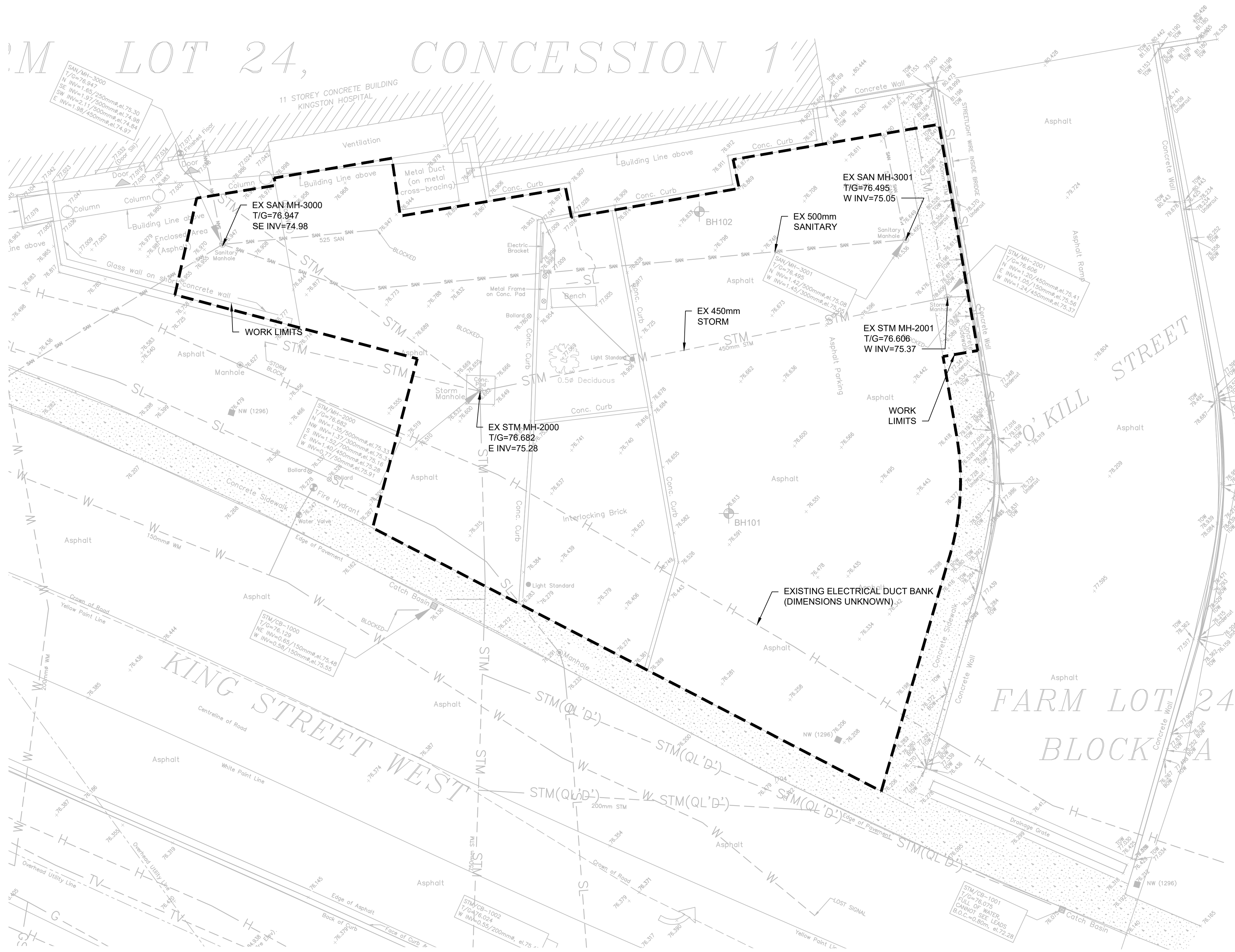
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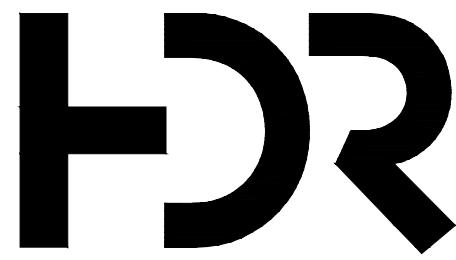
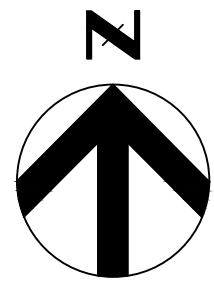
Sheet Number:

C-01

Project Status: PRELIMINARY

TENDER DRAWING
NOT FOR CONSTRUCTION





HDR Architecture Associates, Inc.
27 Princess Street, Suite 400, Kingston, ON K7M 1A3

Emergency Power System Capacity & Infrastructure Remediation

76 STUART STREET KINGSTON, ON K7L 2V7

**Kingston Health
Sciences Centre**

Centre des sciences de
la santé de Kingston



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Landscscape Architect	
Civil Architect	HDR
Structural Engineer	HDR
Mechanical Engineer	HH ANGUS
Electrical Engineer	HH ANGUS
Interior Designer	
Equipment Planner	
Wayfinding	
Drawn By	

MARK	DATE	DESCRIPTION
01	22 06 2026	ISSUED FOR 50% IFB Submission
02	02 07 2026	ISSUED FOR 90% IFB Submission
03	15 07 2026	ISSUED FOR 100% IFB Submission

Project Number
PLO Proj. No.
MOHLTC #

10434805



SITE PLAN REMOVALS AND ESC

Scale: 1:100

Sheet Number:

C-02

Project Status: PRELIMINARY

NOTES

1. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL SITE REMOVALS DETAILS.
2. ASPHALT PAVEMENT SHALL BE REMOVED AT FULL DEPTH.
3. CONTRACTOR SHALL CONFIRM ASPHALT REMOVALS LIMITS WITH THE CONSULTANT PRIOR TO CONSTRUCTION START.
4. CONTRACTOR SHALL INSTALL 300MM FILTREXX SILTXXX EXTREME AROUND THE CONSTRUCTION AREA AND ADJUST SILT SOXX LAYOUT AS REQUIRED DURING CONSTRUCTION AS SITE CONDITIONS CHANGE TO MINIMIZE SEDIMENT LADEN RUNOFF FROM LEAVING THE WORK AREA.
5. EXISTING ELECTRICAL DUCT BANK DEPTH AND DIMENSIONS ARE UNKNOWN. CONTRACTOR SHALL CONFIRM EXISTING DUCT BANK INFORMATION AND PROVIDE TO CONSULTANT FOR REVIEW PRIOR TO CONSTRUCTION START.

REMOVALS LEGEND

	PAVERS REMOVAL
	ASPHALT REMOVAL
	CONCRETE REMOVAL

TENDER DRAWING
NOT FOR CONSTRUCTION



D

C

B

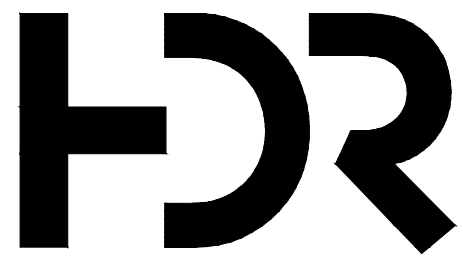
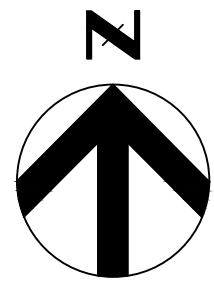
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SITE PLAN UNDERGROUND STRUCTURES

Scale: 1:100

Sheet Number:

C-03

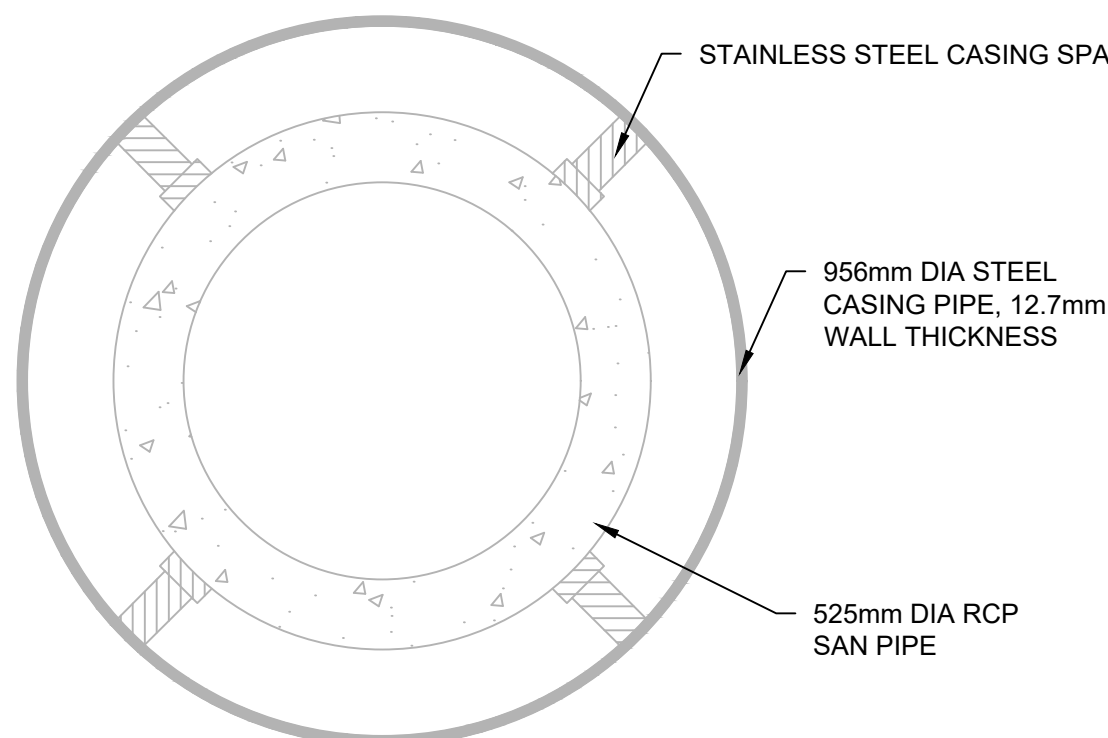
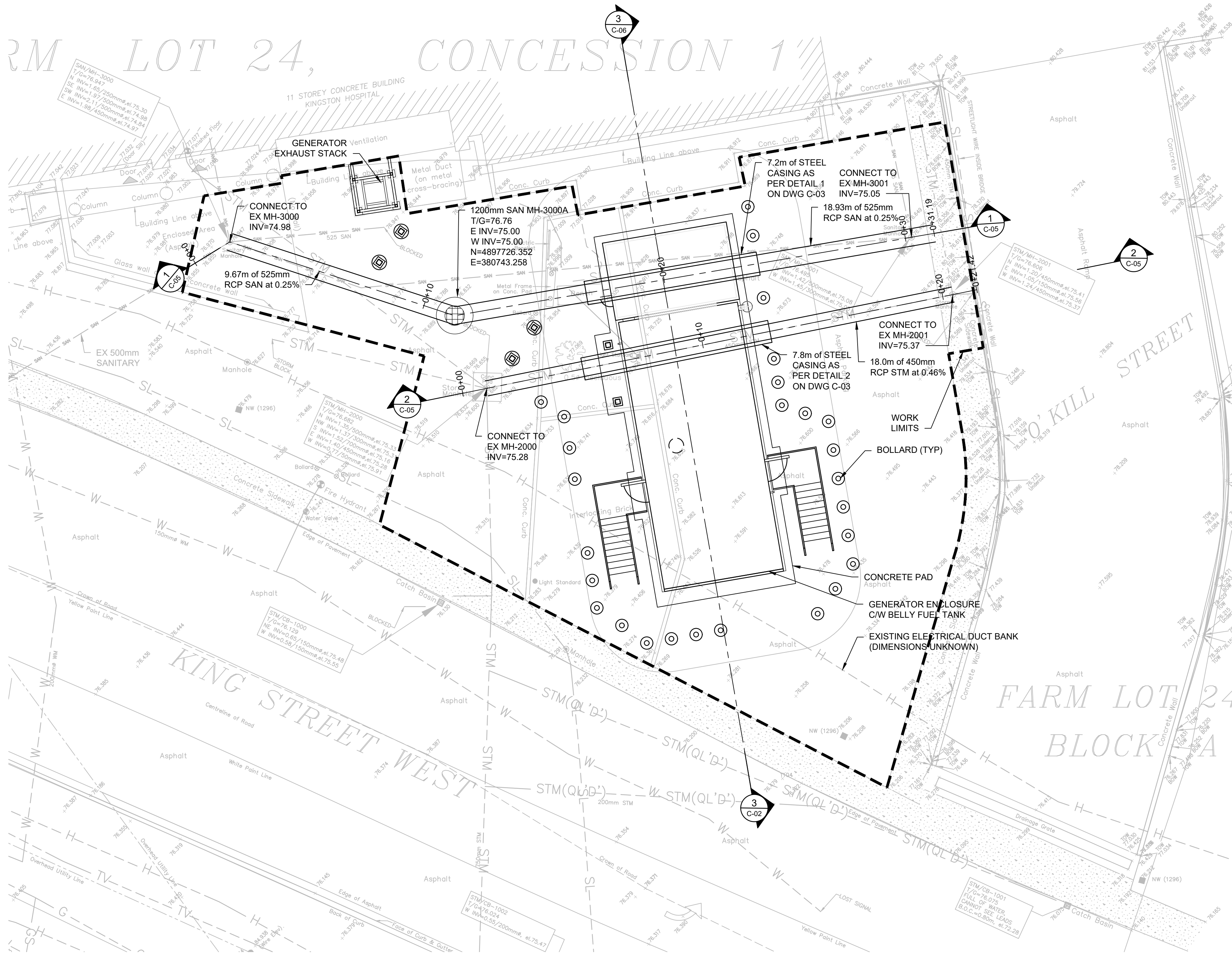
Project Status: PRELIMINARY

SEWER CONSTRUCTION NOTES

1. CONTRACTOR SHALL INSTALL AND MAINTAIN THE TEMPORARY BY-PASS SYSTEM DURING CONSTRUCTION.

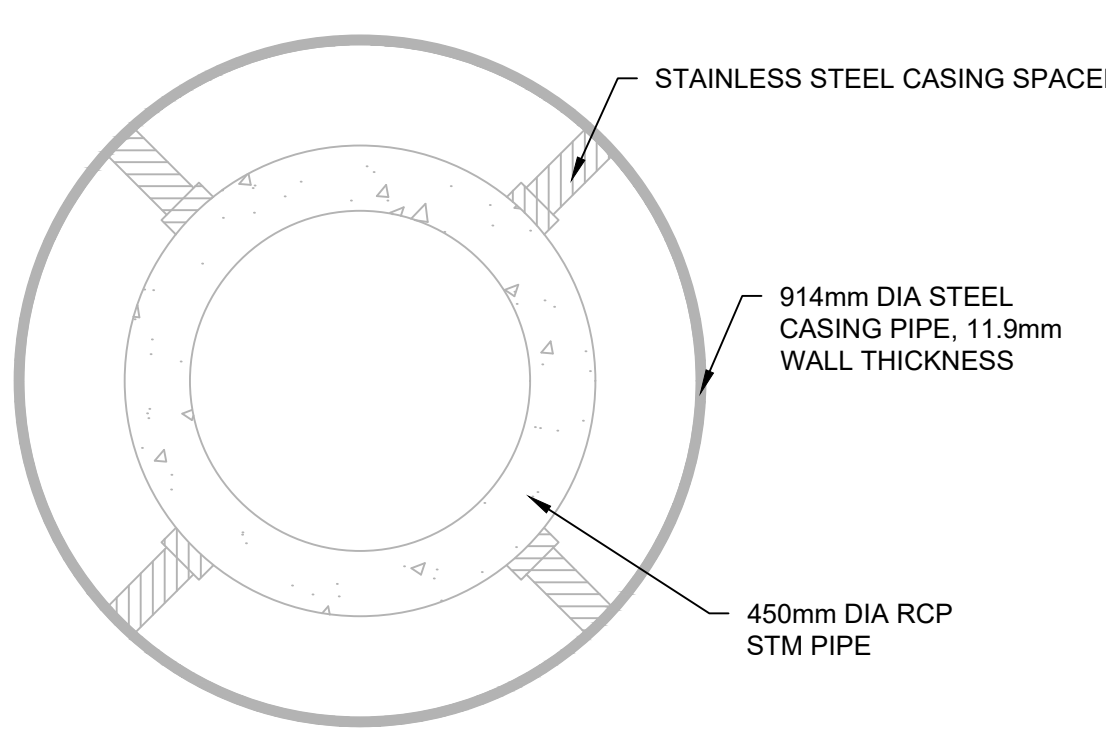
2. CONTRACTOR SHALL PROVIDE THE TEMPORARY BYPASS PUMPING DOCUMENTS (DRAWINGS, DETAILS, CALCULATIONS, PRODUCT SPECIFICATIONS, ETC.) SIGNED BY THE PROFESSIONAL ENGINEER LICENSED IN ONTARIO FOR CONSULTANT'S REVIEW PRIOR TO CONSTRUCTION START.

3. CONTRACTOR SHALL DEVELOP A PLAN OF MAINTAINING HOSPITAL ENTRANCE OPEN DURING CONSTRUCTION TO ENSURE THAT OCCUPANTS CAN SAFELY EXIT THE BUILDING AND PROVIDE THIS PLAN FOR CONSULTANT'S REVIEW PRIOR TO CONSTRUCTION START.



DETAIL 1

525mm DIA SAN C/W 965mm DIA STEEL CASING

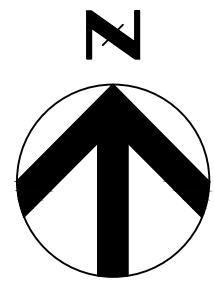
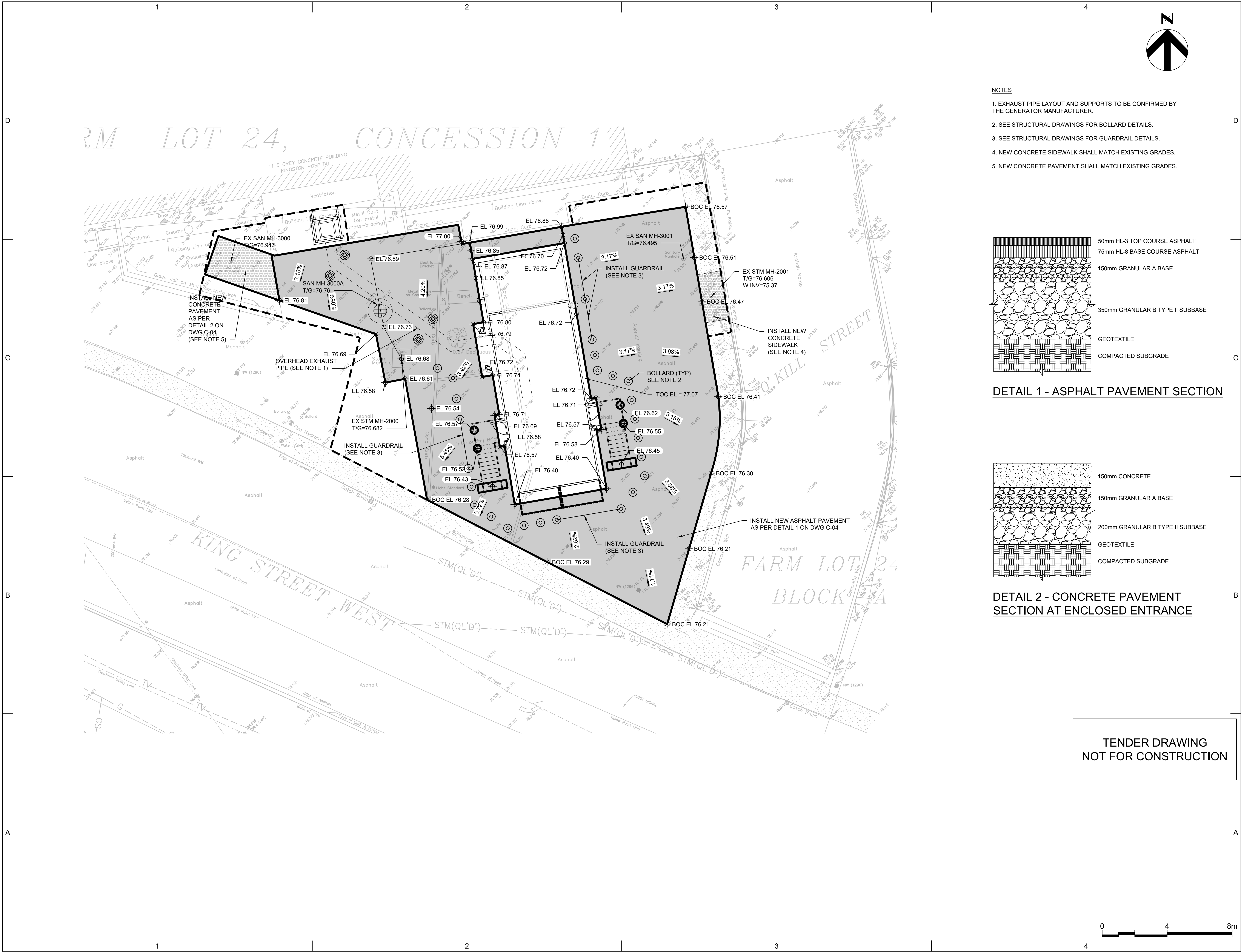


DETAIL 2

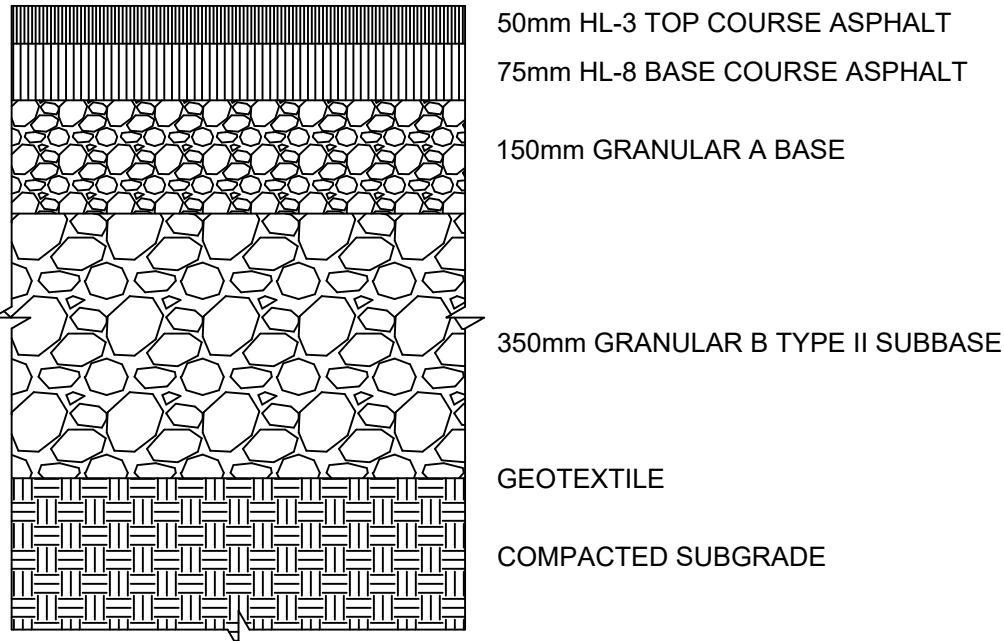
450mm DIA STM C/W 914mm DIA STEEL CASING

TENDER DRAWING
NOT FOR CONSTRUCTION

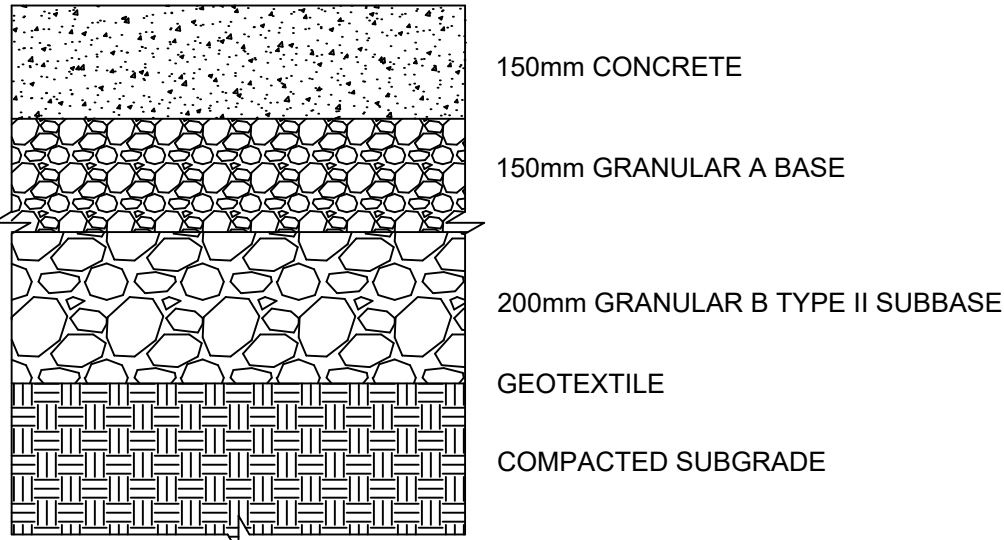




- NOTES
1. EXHAUST PIPE LAYOUT AND SUPPORTS TO BE CONFIRMED BY THE GENERATOR MANUFACTURER.
 2. SEE STRUCTURAL DRAWINGS FOR BOLLARD DETAILS.
 3. SEE STRUCTURAL DRAWINGS FOR GUARDRAIL DETAILS.
 4. NEW CONCRETE SIDEWALK SHALL MATCH EXISTING GRADES.
 5. NEW CONCRETE PAVEMENT SHALL MATCH EXISTING GRADES.

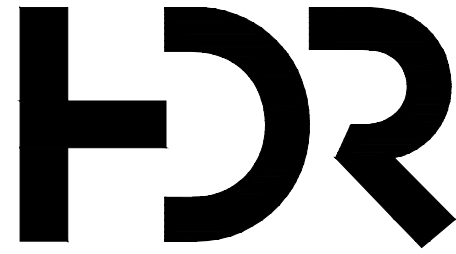
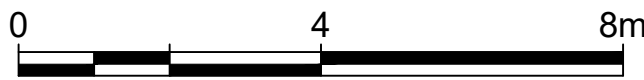


DETAIL 1 - ASPHALT PAVEMENT SECTION



DETAIL 2 - CONCRETE PAVEMENT SECTION AT ENCLOSED ENTRANCE

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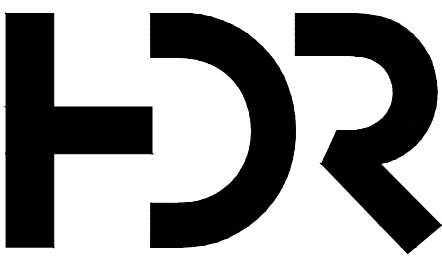
SITE PLAN
GRADING

Scale: 1:100

Sheet Number:

C-04

Project Status: PRELIMINARY



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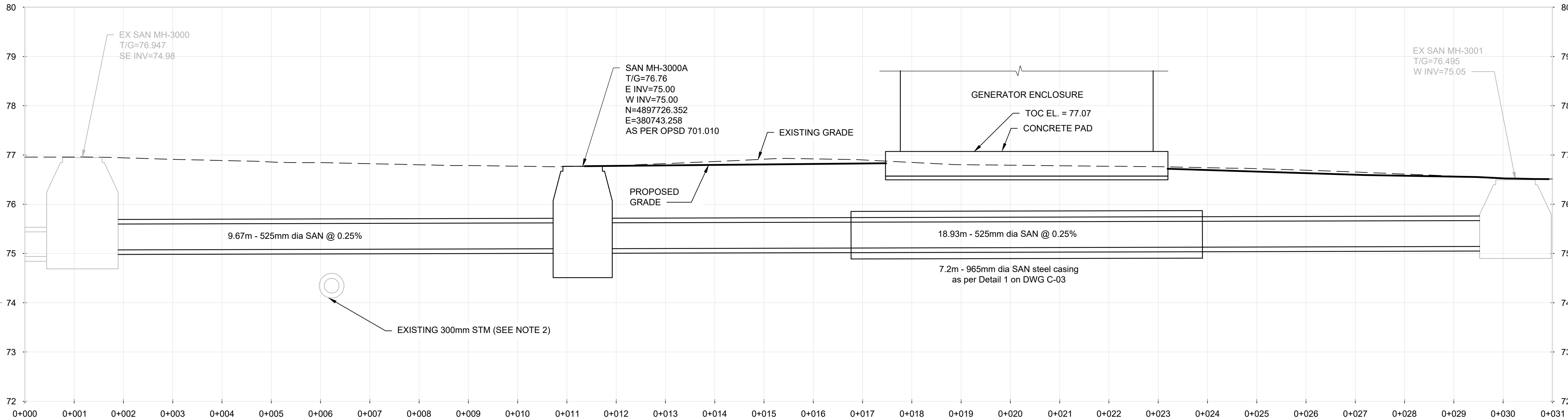
SANITARY AND STORM
SEWER PROFILES

Scale: 1:50

Sheet Number:

C-05

Project Status: PRELIMINARY

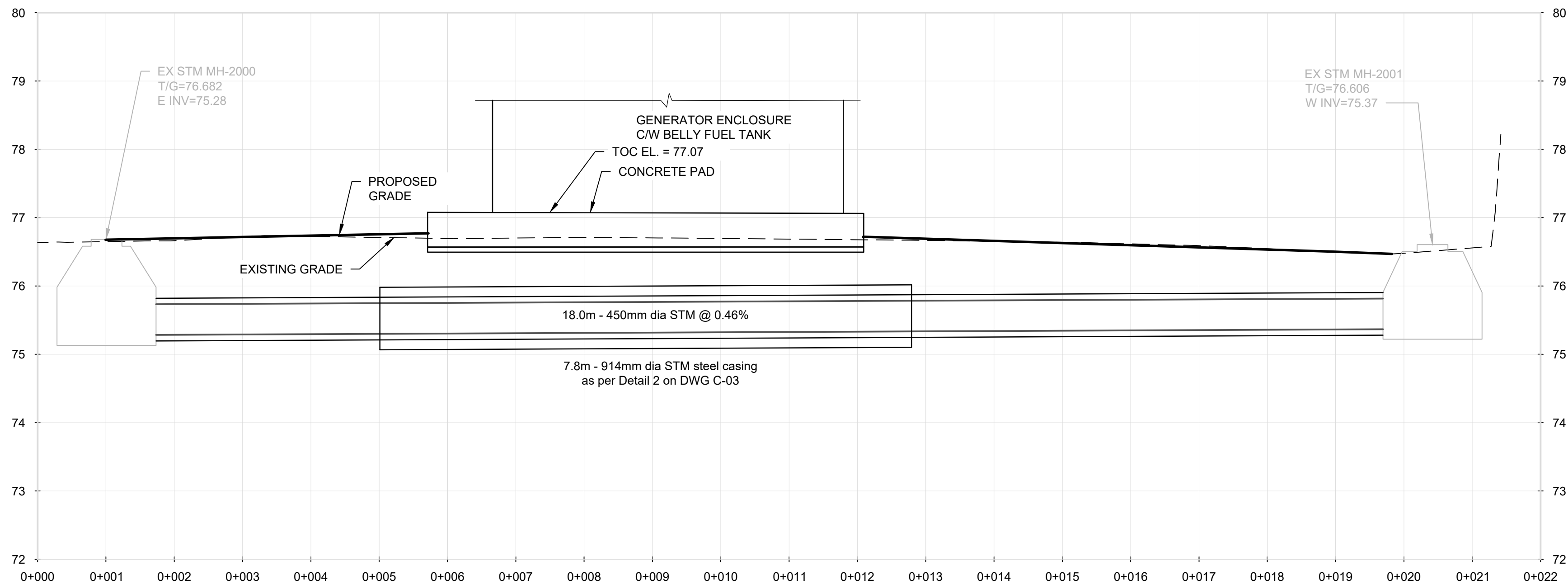


1 SANITARY SEWER PROFILE
C-03 1:50

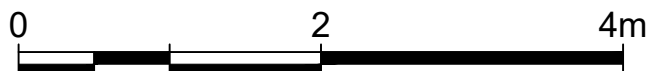
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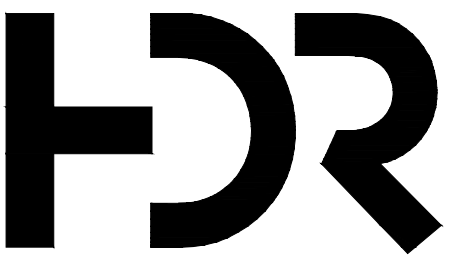
- SEE STRUCTURAL DRAWINGS FOR GENERATOR FOUNDATION DETAILS
- CONTRACTOR SHALL CONFIRM EXISTING 300mm STM INVERT AT THE CROSSING WITH THE PROPOSED 525mm SAN AND PROVIDE THIS INFORMATION TO CONSULTANT FOR REVIEW PRIOR TO CONSTRUCTION START.
- PERFORM ROCK EXCAVATION AS REQUIRED TO ACCOMMODATE INSTALLATION OF SAN SEWER, STM SEWER AND MANHOLES.

TENDER DRAWING
NOT FOR CONSTRUCTION



2 STORM SEWER PROFILE
C-03 1:50





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MOHLTC #	



SECTION

Scale: 1:50

Sheet Number:

C-06

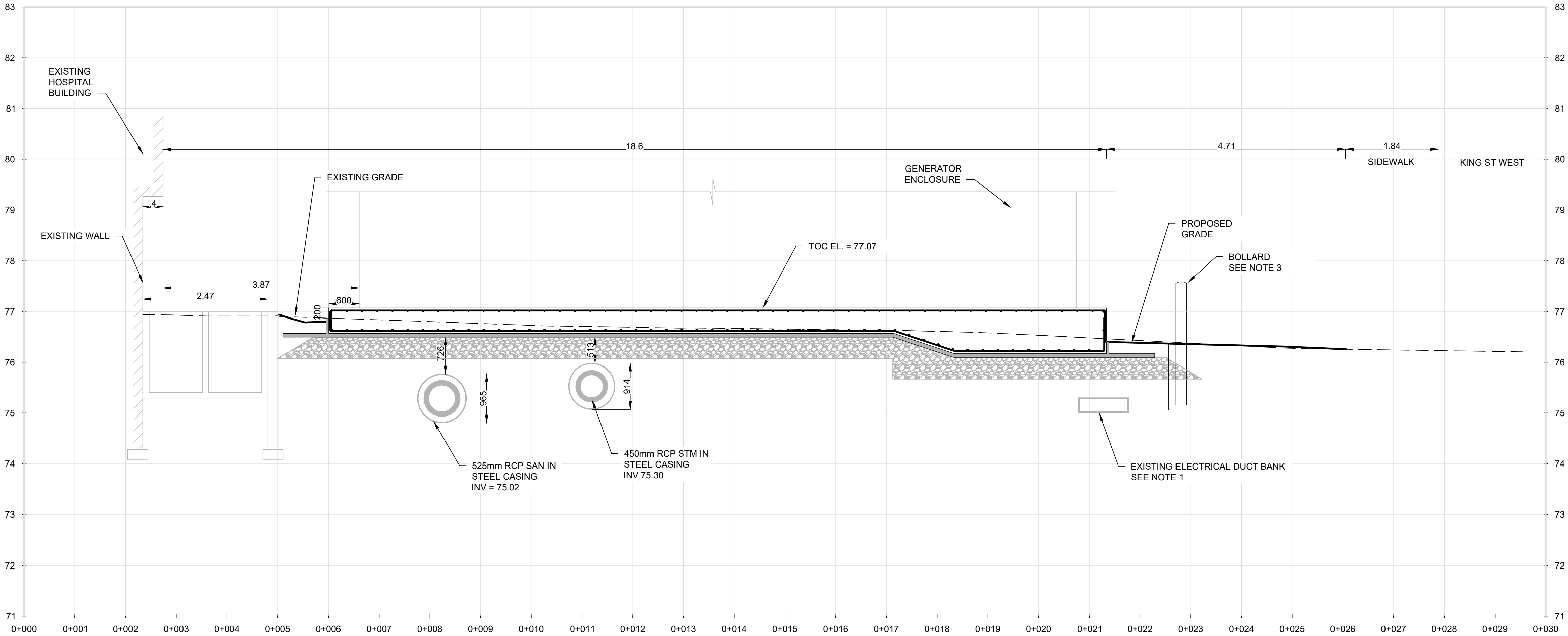
Project Status: PRELIMINARY

NOTES

1. EXISTING ELECTRICAL DUCT BANK
DEPTH AND DIMENSIONS ARE UNKNOWN
AND SHOWN APPROXIMATELY.
CONTRACTOR SHALL CONFIRM EXISTING
DUCT BANK INFORMATION AND PROVIDE
TO CONSULTANT FOR REVIEW PRIOR TO
CONSTRUCTION START.

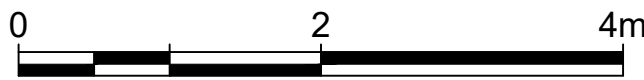
2. PERFORM ROCK EXCAVATION AS
REQUIRED TO ACCOMMODATE
INSTALLATION OF SAN AND STM SEWERS.

3. SEE STRUCTURAL DRAWINGS FOR
BOLLARD DETAILS.



3 SITE-SECTION
C-03 1:50

TENDER DRAWING
NOT FOR CONSTRUCTION



Project Manager	HDR
Project Designer	HDR
Project Architect	HDR
Landscape Architect	
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Wayfinding	
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TENDER DRAWING
NOT FOR CONSTRUCTION

