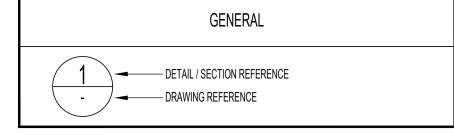
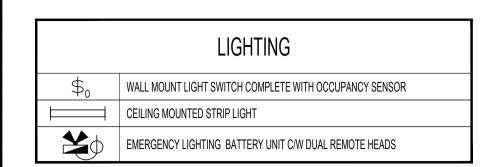
	POWER (SINGLE LINE)
w.	POWER TRANSFORMER
	DELTA - WYE TRANSFORMER
CT _	CURRENT TRANSFORMER
PT	POTENTIAL TRANSFORMER
	GENERATOR
(CIRCUIT BREAKER A = AMPS P = POLE(S) LSI = LONG-TIME + SHORT-TIME + INSTANTANEOUS LSIG = LONG-TIME + SHORT-TIME + INSTANTANEOUS + GROUND FAULT
	FUSE
0/0	3-WAY TRANSFER SWITCH
9 19	(N.O.) NORMALLY OPEN CONTACT
4/6	(N.C.) NORMALLY CLOSED CONTACT
00	GENERAL SWITCH
	GROUND
M	UTILITY METER
	A-P MAIN C.B. ELECTRICAL PANELBOARD A = AMPS P = POLE(S) kA = RATING SPD = SURGE PROTECTION DEVICE LOCATION = PANEL LOCATION





	FIRE ALARM
	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM HORN
	FIRE ALARM STROBE
	FIRE ALARM HORN / STROBE
⊕ _{XX}	HEAT DETECTOR WHERE XX DENOTES: FT = FIXED TEMPERATURE RR = RATE OF RISE
3 co	CARBON MONOXIDE (CO) DETECTOR
$oldsymbol{\Theta}$	SMOKE DETECTOR
FACP	FIRE ALARM CONTROL PANEL
FACP	FIRE ALARM REMOTE ANNUNCIATOR
ISO	ISOLATION MODULE
AMM	ADDRESSABLE MONITORING MODULE
EOL	END OF LINE RESISTOR

AB	ABBREVIATION / SYMBOL MODIFIER LIST		
ITEM	DESCRIPTION		
AFF	ABOVE FINISHED FLOOR		
AFG	ABOVE FINISHED GRADE		
CM	CEILING MOUNTED		
EC	ELECTRICAL SUB-CONTRACTOR		
FM	FLOOR MOUNTED		
LV	LOW VOLTAGE		
MC	MECHANICAL SUB-CONTRACTOR		
WP	WEATHERPROOF		
15/20	T-SLOT (15A/20A) RECEPTACLE		

GENERAL NOTES

- 1. DEVICE SYMBOLS SHOWN ON THE DRAWINGS AS A "GREY" LINE WEIGHT DENOTES THAT THEY ARE EXISTING.
- COORDINATE THE CONNECTIONS OF ALL EQUIPMENT PROVIDED BY OTHERS WITH THE SUB-CONTRACTOR PROVIDING THE EQUIPMENT PRIOR TO ROUGH-IN. THIS INCLUDES, BUT IS NOT LIMITED TO MECHANICAL EQUIPMENT, FIRE SUPPRESSION SYSTEM EQUIPMENT, ETC. THE ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE DISCONNECTING MEANS FOR, AND TO MAKE THE FINAL CONNECTION TO, ANY HARDWIRED EQUIPMENT.
- 3. THE ELECTRICAL SUB-CONTRACTOR IS RESPONSIBLE FOR PRESERVING THE FIRE RATING OF ANY FIRE-RATED CEILING ASSEMBLIES.
- ALL EQUIPMENT AND DEVICES SHALL BE SUITABLE FOR THE ENVIRONMENT IN WHICH THEY ARE INSTALLED. EQUIPMENT MOUNTED OUTDOORS SHALL BE NEMA 3R. DEVICES MOUNTED IN DAMP OR WET LOCATIONS SHALL BE WEATHERPROOF. RECEPTACLES RATED 15- OR 20- AMPS AND 120 VOLTS WHICH ARE LOCATED IN DAMP OR WET LOCATIONS SHALL BE GFCI PROTECTED AND EQUIPPED WITH A SUITABLE WEATHERPROOF COVERPLATE (WHILE-IN-USE IN WET LOCATIONS).
- 5. ALL LUGS, TERMINALS, ETC. IN ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE LISTED FOR A MINIMUM OF 75 DEGREES C CONDUCTORS. TERMINATIONS LISTED FOR ONLY 60 DEGREES C CONDUCTORS ARE NOT PERMITTED.
- 6. CONDUCTORS #12 AWG AND SMALLER SHALL BE SOLID. CONDUCTORS #10 AWG AND LARGER ARE PERMITTED TO BE STRANDED.
- ELECTRICAL SUB-CONTRACTOR TO CONFIRM EXACT SIZE AND LOCATION AND WIRING REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL SUB-CONTRACTOR PRIOR TO INSTALLATION OF ANY WIRING. ADJUST WIRING, BREAKERS, ETC. TO SUIT, ALL COSTS TO BE INCLUDED IN BASE BID QUOTE.

FIRE STOPPING NOTES

- ALL ELECTRICAL WIRES, CABLES, NON-COMBUSTIBLE RACEWAYS, OUTLET BOXES AND OTHER SIMILAR SERVICES THAT PENETRATE FIRE WALLS, FIRE SEPARATIONS OR ASSEMBLIES AND THAT ARE REQUIRED TO HAVE A FIRE RESISTANCE RATING OR FIRE SEPARATION, SHALL BE SEALED BY FIRE STOP SYSTEM WHICH HAS AN "F" AND/OR "FT" RATING NOT LESS THAN THE REQUIRED FIRE PROTECTION RATING OF FIRE SEPARATION.
- ELECTRICAL SUB-CONTRACTOR SHALL ONLY USE LISTED MATERIALS AND METHODS.
- SERVICE PENETRATION AND FIRE STOPPING OF SERVICE PENETRATION IN FIRE SEPARATION AND FIRE RATED ASSEMBLIES SHALL COMPLY WITH THE CURRENT BUILDING
- 4. PROVIDE FOR FIRE STOPS IN CONCEALED SPACES AS REQUIRED BY THE CURRENT BUILDING CODE.
- ALL FIRE RESISTANCE RATED ASSEMBLIES (I.E. WALLS CEILINGS, ETC.) WHICH CONTAIN PANEL BOARDS, BACK BOXES, RECESSED LIGHTING FIXTURES, ETC. SHALL BE C/W FIRE RATED BACKING TO MAINTAIN THE INTEGRITY OF THE FIRE RESISTANCE.

GENERAL DEMOLITION NOTES

- 1. ELECTRICAL SUB-CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND
- PRIOR TO COMMENCEMENT OF ANY WORK, THE ELECTRICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS TO COMPLETE THE DEMOLITION SCOPE OF WORK.
- 3. THE ELECTRICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SAFE THE AREA OF DEMOLITION AND FOR ENSURING THAT SAFETY PROCEDURES, PRACTICES AND OPERATIONS ARE FOLLOWED. ALL DEMOLITION AND MATERIAL SHALL BE SAFELY REMOVED TO ALLOW FUTURE CONSTRUCTION AND ALL DEBRIS DISPOSED OF ON A DAILY
- 4. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE SAFETY AND DUST PROOF BARRIERS TO PROTECT ALL PUBLICLY OCCUPIED AREAS DURING THE DEMOLITION AND CONSTRUCTION PERIOD. ALL AREAS, FURNITURE, EQUIPMENT ETC. THAT ARE ADJACENT OR NOT A PART OF THE DEMOLITION AREA SHALL BE PROTECTED FROM DAMAGE.
- 5. ALL MATERIALS REMOVED DUE TO THE DEMOLITION OF EXISTING AREAS ARE OF THE CITY'S PROPERTY IN WHICH THE CITY HAS THE FIRST RIGHT TO CLAIM. ALL ITEMS THAT ARE NOT CLAIMED BY THE CITY SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL SUB-CONTRACTOR TO REMOVE AND DISCARD FROM SITE.
- NON-DEMOLITION ITEMS MAY BE SHOWN ON THE DRAWINGS TO DESCRIBE THE INTENT OF THE OVERALL SCOPE OF WORK AND TO AID THE ELECTRICAL SUB-CONTRACTOR WITH THEIR COORDINATION. THE ELECTRICAL SUB-CONTRACTOR SHALL FIELD VERIFY ALL
- WHERE CONDUITS ARE TO BE REMOVED WITHIN THE SCOPE OF WORK, ALL CONDUITS AND ASSOCIATED WIRING (I.E. FEEDER CIRCUIT WIRING) SHALL BE REMOVED BACK TO THEIR SOURCE AND NOT JUST TO THE NEAREST JUNCTION BOX.
- ALL OBSOLETE/ABANDONED CABLING AND CONDUIT WITHIN CEILING SPACES THAT ARE AFFECTED BY THE AREA OF DEMOLITION SHALL BE COMPLETELY REMOVED.
- WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED, ALL WALLS/CEILINGS SHALL BE REPAIRED TO EXISTING CONDITIONS. SURFACES SHALL BE PATCHED AND PAINTED TO MATCH EXISTING.

DRAWING LIST			
SHEET No:	SHEET TITLE		
E01	SYMBOL LEGEND, GENERAL NOTES, AND DRAWING LIST		
E02	SITE PLAN - NEW		
E03	ADMINISTRATION BUILDING		
E04	COMMERCIAL SCALE BUILDING		
E05	SINGLE LINE DIAGRAM		
E06	SPECIFICATIONS ON DRAWINGS - DIV. 26		

SPECIFICATIONS ON DRAWINGS - DIV.27

ENGINEERS
GEOSCIENTISTS **MANITOBA** Certificate of Authorization

KGS Group

No. 245

LOCATION APPROVED B.M. UNDERGROUND STRUCTURES SUPV. U/G STRUCTURES COMMITTÉE LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN
THAT ALL EXISTING UTILITIES ARE SHOWN OR
THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO. REVISIONS

KGS GROUP DESIGNED CHECKED APPROVED DRAWN RELEASED FOR HOR. SCALE: AS NOTED CONSTRUCTION: VERTICAL: AS NOTED ISSUED FOR CONSTRUCTION 20/05/26 CLS DATE 20/03/26 DATE YY/MM/DD DATE

CONSULTANT PROJECT NO.

ENGINEER'S SEAL Winnipeg

20-0107-004

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

PROJECT TITLE

BRADY ROAD LANDFILL STANDBY GENERATOR

SHEET COMPUTER FILE NAME CONSULTANT DRAWING NUMBER

SYMBOL LEGEND, GENERAL NOTES, AND DRAWING LIST