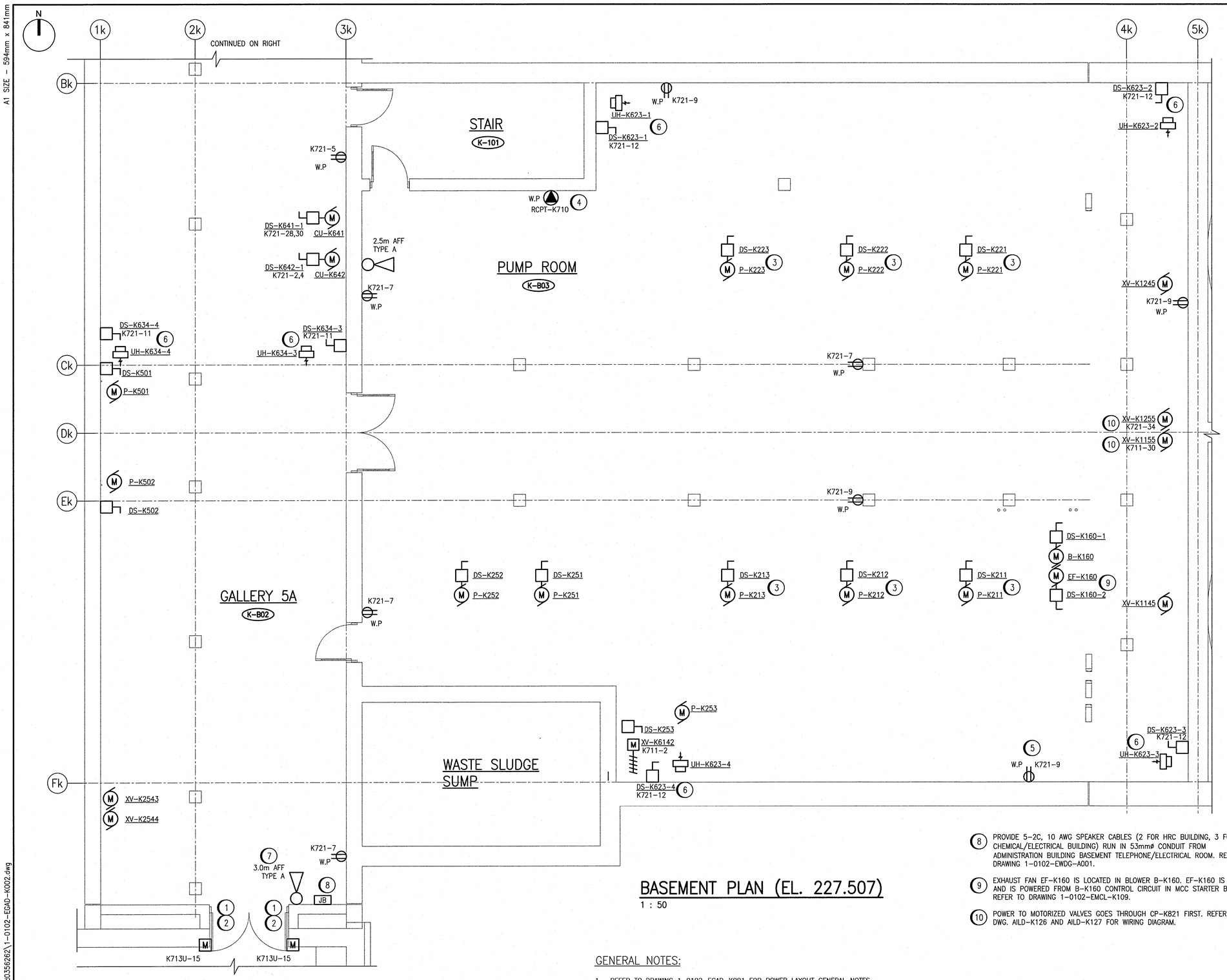

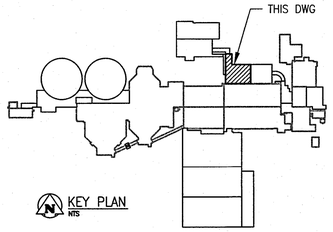

BASEMENT PLAN (EL. 227.507)

1 : 50

SPECIFIC NOTES:

1. PROVIDE 2C, 12 AWG RW90 RUN IN ALUMINIUM RIGID CONDUIT FROM MAGNETIC DOOR HOLDER TO PNL-K713U.
2. INTERLOCK MAGNETIC DOOR HOLDERS WITH FIRE ALARM SYSTEM TO CLOSE DOORS UPON FIRE ALARM ACTIVATION.
3. PROVIDE UNISTRUT CHANNEL FROM THE FLOOR TO THE CEILING TO SUPPORT LOCAL DISCONNECT SWITCH AND CABLE.
4. PROVIDE 60A RATED RECEPTACLE WITH INTEGRAL DISCONNECT SWITCH FED FROM MCC-K710. MOUNT WELDING RECEPTACLE AT 1200mm A.F.F.
5. PROVIDE SEALED GASKETED COVERS (NOT IN USE TYPE) FOR ALL RECEPTACLES IN BASEMENT. MOUNT AT 1.0m A.F.F. RECEPTACLES IN THE BASEMENT ARE TO BE FED FROM GFCI BREAKERS. TYPICAL.
6. REFER TO DRAWING 1-0102-EMCL-K614 FOR WIRING DETAILS OF UNIT HEATERS. TYPICAL.
7. PROVIDE SPEAKER ASSOCIATED WITH FACILITY PUBLIC ADDRESS SYSTEM. MOUNT SPEAKER AT HEIGHT INDICATED AND CLEAR OF OBSTRUCTIONS. REFER TO DRAWING ESCH-K001 FOR SPEAKER MODEL. PROVIDE CABLING AND CONDUIT. CONNECT TO PUBLIC ADDRESS SYSTEM. REFER TO DRAWING EWDG-A001. TYPICAL
8. PROVIDE 5-2C, 10 AWG SPEAKER CABLES (2 FOR HRC BUILDING, 3 FOR CHEMICAL/ELECTRICAL BUILDING) RUN IN 53mmø CONDUIT FROM ADMINISTRATION BUILDING BASEMENT TELEPHONE/ELECTRICAL ROOM. REFER TO DRAWING 1-0102-EWDG-A001.
9. EXHAUST FAN EF-K160 IS LOCATED IN BLOWER B-K160. EF-K160 IS 120V AND IS POWERED FROM B-K160 CONTROL CIRCUIT IN MCC STARTER BUCKET. REFER TO DRAWING 1-0102-EMCL-K109.
10. POWER TO MOTORIZED VALVES GOES THROUGH CP-K821 FIRST. REFER TO DWG. AILD-K126 AND AILD-K127 FOR WIRING DIAGRAM.

GENERAL NOTES:

1. REFER TO DRAWING 1-0102-EGAD-K001 FOR POWER LAYOUT GENERAL NOTES.

REFERENCE DRAWINGS	DESCRIPTION
1-0102-EGAD-K001	POWER LAYOUT, HIGH RATE CLARIFICATION, ELECTRICAL ROOM
1-0102-EHLC-K001	HAZARDOUS LOCATION, HIGH RATE CLARIFICATION, BASEMENT FLOOR
1-0102-EAAA-A001	ELECTRICAL, LEGEND AND DETAILS

1:50 500 0 1000 2000

APEGM Certificate of Authorization
SNC-Lavalin Inc.
No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CONSTRUCTION - 976-2016	2017/04/05	VE	DEB

CH2MHILL. SNC·LAVALIN KGS GROUP CONSULTING ENGINEERS

DESIGNED BY: V. ELIMBAN	CHECKED BY: E. RYCZKOWSKI
DRAWN BY: MJ. PERSSON	APPROVED BY: D. BECKER
SCALE: 1:50	ISSUED FOR CONSTRUCTION BY: J. SHUMKA
DATE: 2015/02/04	DATE: 2017/04/05
CONSULTANT NO.: 474248	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.E. BECKER
Member 23646
REGISTERED PROFESSIONAL ENGINEER
April 5/2017

Winnipeg THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
ELECTRICAL - POWER LAYOUT
HIGH RATE CLARIFICATION BUILDING
BASEMENT FLOOR PLAN

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0102-EGAD-K002	001	00	A1

A1 SIZE - 594mm x 841mm

LAST SAVE: 2017/04/04 - 1:18pm
PATH: C:\pw_workdir\ch2mhill_wbg\ve006717\d0356262\1-0102-EGAD-K002.dwg

PLOT DATE: Apr 04, 2017 - 1:18pm

FILE NAME: 1-0102-EGAD-K002.dwg