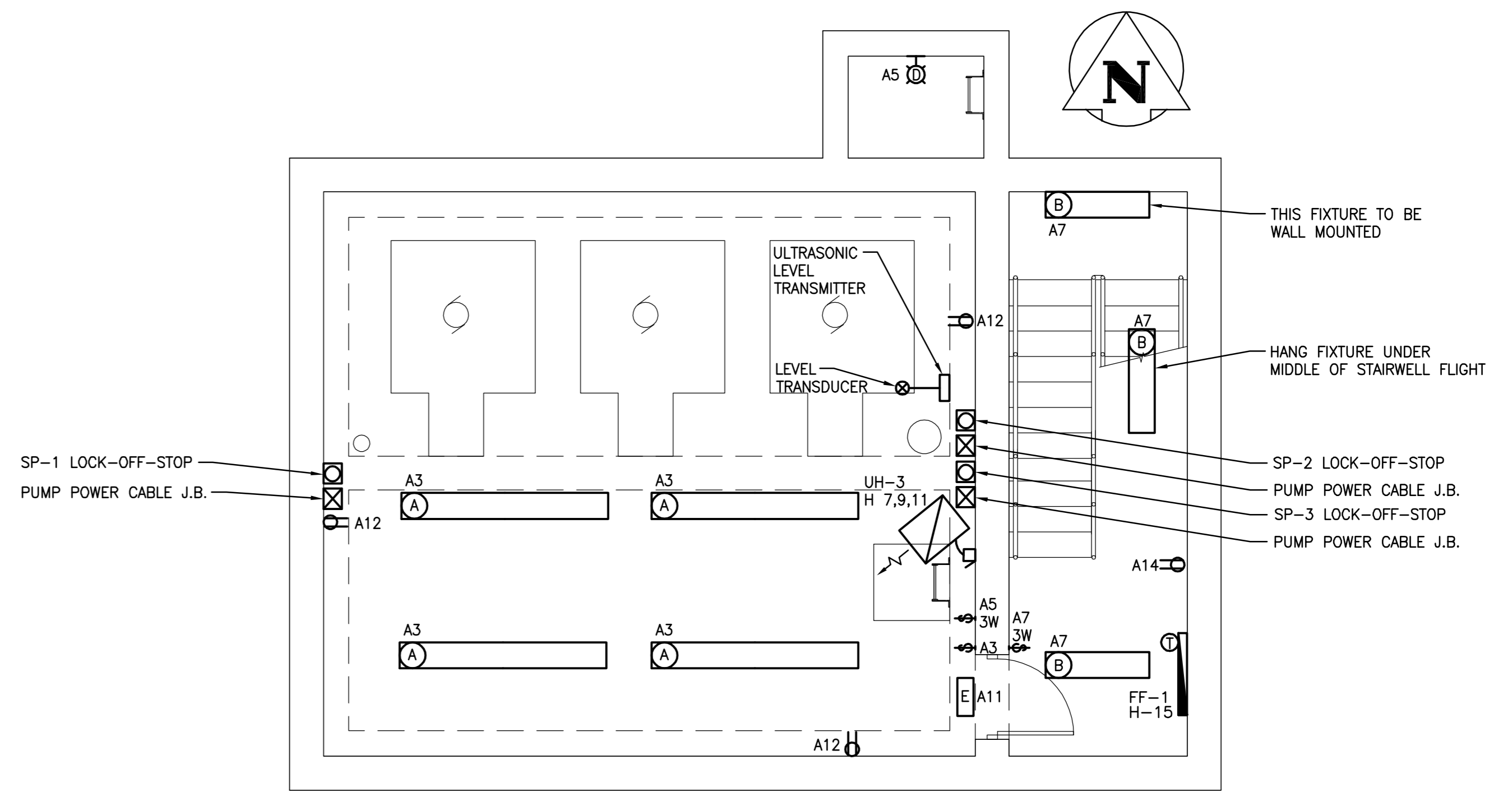


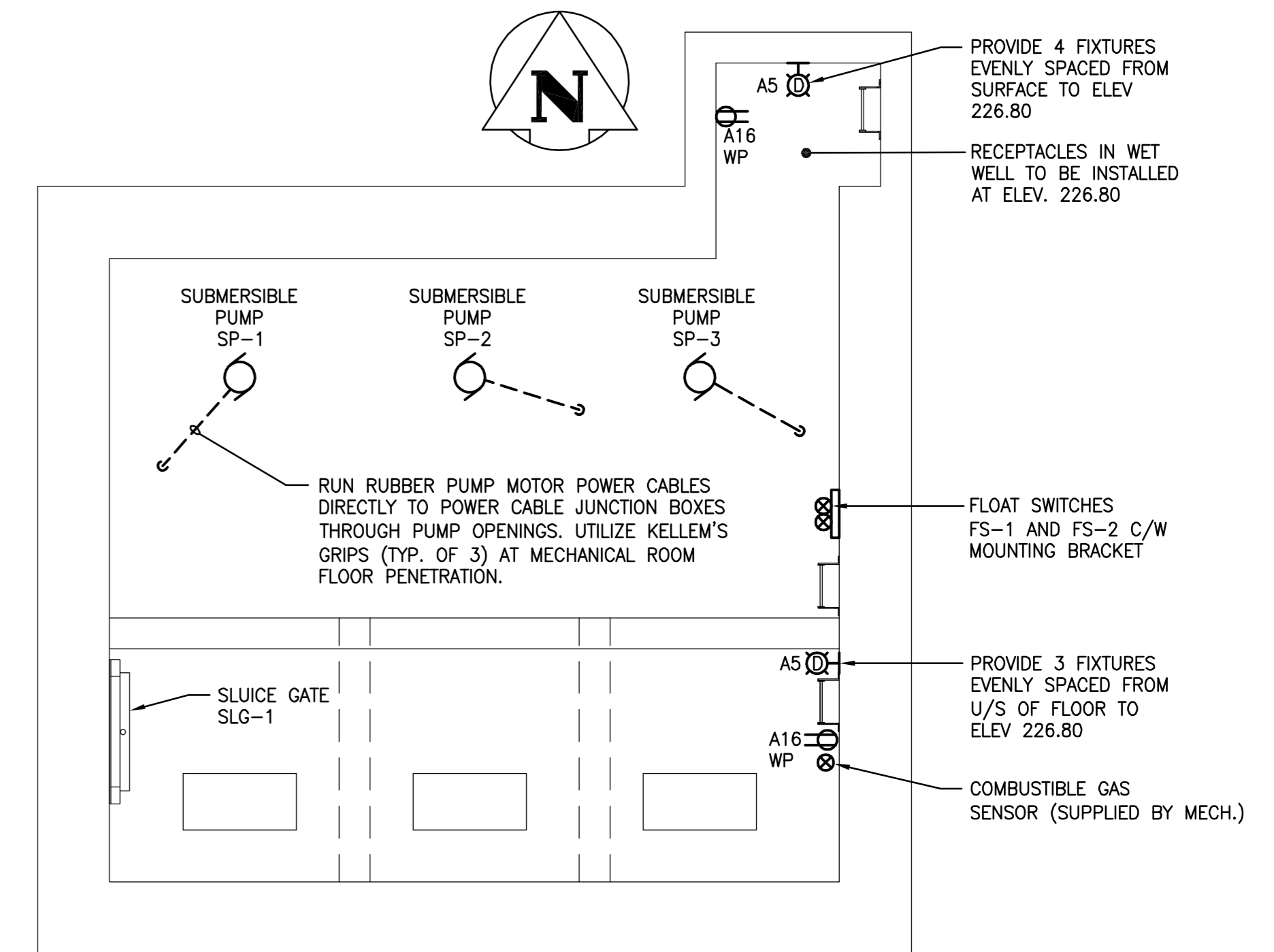
**MAIN FLOOR ELECTRICAL PLAN**  
1:50

NOTE: ALL LIGHTING FIXTURES ON MAIN FLOOR TO BE SURFACE MOUNTED ON CEILING



**MECHANICAL ROOM FLOOR PLAN**  
1:50

NOTE: HANG ALL MECHANICAL ROOM LIGHTS (AND LOWER STAIR LIGHT) AT 3.05m ABOVE FLOOR LEVEL



**WETWELL FLOOR PLAN**  
1:50

PANEL "A"		120/208V, 3Ø, 4W				225A MAINS	
DESCRIPTION	CCT.	BRK AMP	A	B	C	DESCRIPTION	CCT.
MAIN FLOOR LIGHTING	1	15				TELEPHONE BACKBOARD RECEPTACLE	2
MECHANICAL ROOM LIGHTING	3	15				GENSET BLOCK HEATER	4
WET WELL/ACCESS HATCH LIGHTING	5	15				GENSET BATTERY CHARGER	6
STAIRWELL LIGHTING	7	15				GENSET VENTILATION SYSTEM PANEL	8
OUTDOOR LIGHTING	9	15				MAIN FLOOR RECEPTACLES (6)	10
EXIT LIGHTING	11	15				MECHANICAL ROOM RECEPTACLES (3)	12
PLC CONTROL CIRCUIT	13	15				STAIRWELL RECEPTACLES (2)	14
SPARE	15	15				WET WELL/ACCESS HATCH RECEPTACLES (2)	16
C.O.W RTU PANEL	17	15				EXHAUST FAN EF-1 STARTER PANEL	18
SPARE	19	15				SPARE	20
SPARE	21	15				SPARE	22
SPARE	23	15				SPARE	24
	25						26
	27						28
	29						30
	31						32
	33						34
	35						36
	37						38
	39						40
	41						42

PANEL "H"		347/600V, 3Ø, 4W				125A MAINS	
DESCRIPTION	CCT.	BRK AMP	A	B	C	DESCRIPTION	CCT.
MAIN FLOOR UNIT HEATER UH-1	1	30				MAIN FLOOR UNIT HEATER UH-2	2
	3						4
	5						6
	7						8
MECHANICAL ROOM UNIT HEATER UH-3	9	15				SPARE	10
STAIRWELL FORCE FLOW HEATER (UP)	11	20				SPARE	12
STAIRWELL FORCE FLOW HEATER (DOWN)	13	20				SPARE	14
SPARE	15	20					16
	17						18
	19	15					20
	21						22
	23						24
	25						26
	27						28
	29						30
	31						32
	33						34
	35						36
	37						38
	39						40
	41						42

- NOTES:
- ALL INTERIOR PUMPING STATION AREAS INCLUDING THE WET WELL AND ACCESS HATCH ARE AREAS WHERE CORROSIVE LIQUIDS AND VAPOURS ARE NOT NORMALLY PRESENT AND THEREFORE ARE CLASSIFIED AS ORDINARY AREAS.
  - ALL CONDUIT TO BE IN-SLAB, WALL OR CEILING MOUNTED BETWEEN PANELS AND DEVICES. NO FLOOR MOUNTING OR CEILING DROPS WILL BE PERMITTED.
  - USE IN-SLAB CONDUIT TO CONNECT TO ALL EQUIPMENT NOT ADJACENT TO A WALL OR CEILING.



**LOCATION APPROVED UNDERGROUND STRUCTURES**

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN 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	DATE	BY
3	ISSUED FOR ADDENDUM No.4	06.01.05	D.W.D.
2	ISSUED FOR TENDER	05.12.09	D.W.D.
1	ISSUED FOR CLIENT REVIEW	05.11.24	D.W.D.
0	ISSUED FOR CLIENT REVIEW	05.10.19	D.W.D.

**Stantec Consulting Ltd.**  
905 Waverley Street, Winnipeg, Manitoba  
Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY: D.W.D. CHECKED BY: D.W.D.  
DRAWN BY: G.K.L. APPROVED BY: D.W.D.

HOR. SCALE: AS SHOWN VERTICAL: R. FINGAS, P. ENG. 05.12.09  
R. FINGAS, P. ENG. BRIDGE PROJECTS ENGINEER

ENGINEER'S SEAL  
ORIGINAL SEALED BY: D.W. DOWHAN P. ENG. 05.12.09  
CONSULTANT DRAWING NO. 113703042-E04

**THE CITY OF WINNIPEG**  
Winnipeg ENGINEERING DIVISION

**KENASTON UNDERPASS**  
KENASTON UNDERPASS PUMPING STATION

ELECTRICAL - FLOOR PLANS AND DETAILS

SHEET 23 OF 25  
CAD FILE DRAWING NUMBER 113703042-E04.dwg  
CITY DRAWING NUMBER P-3258-167