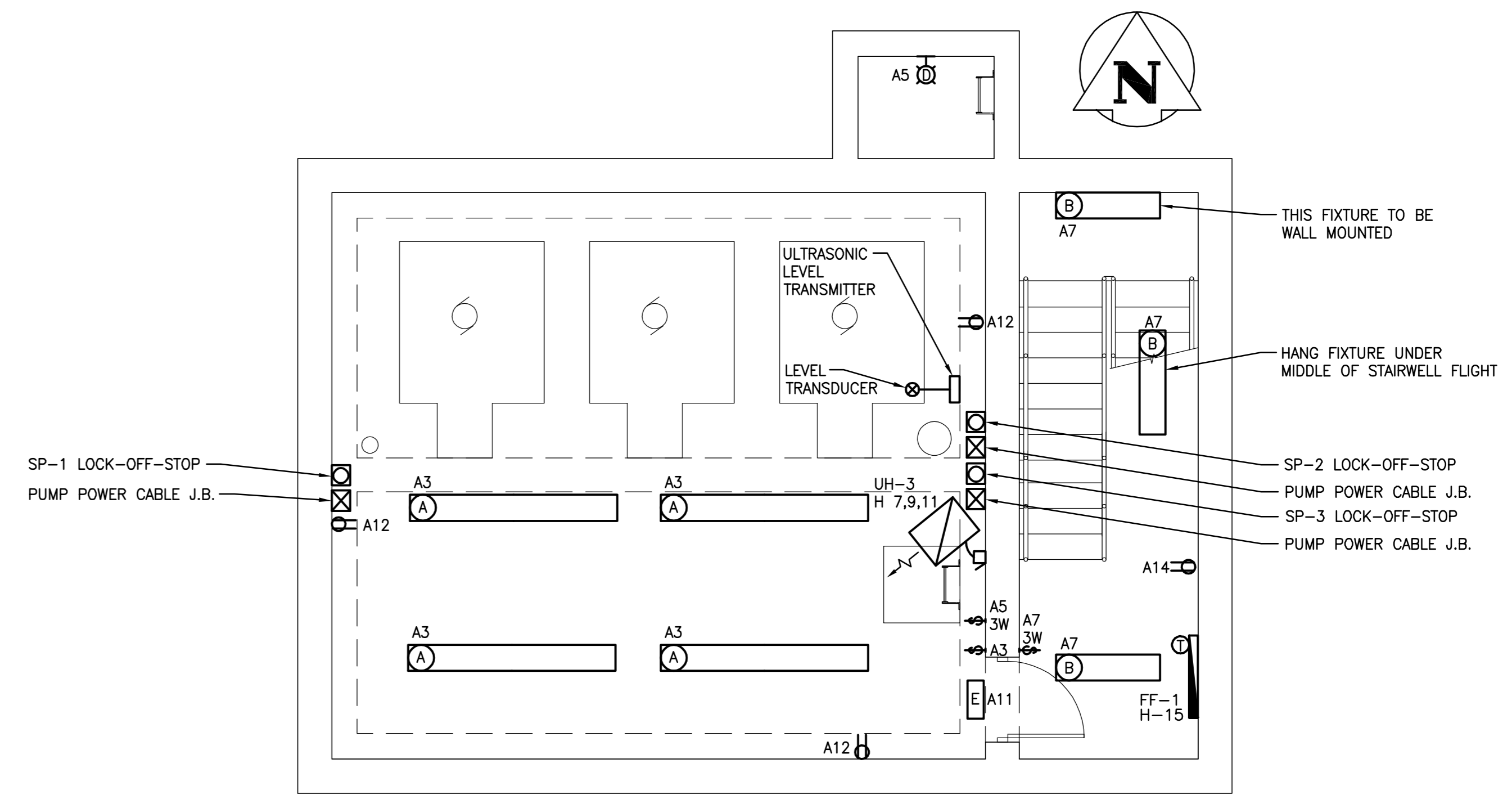


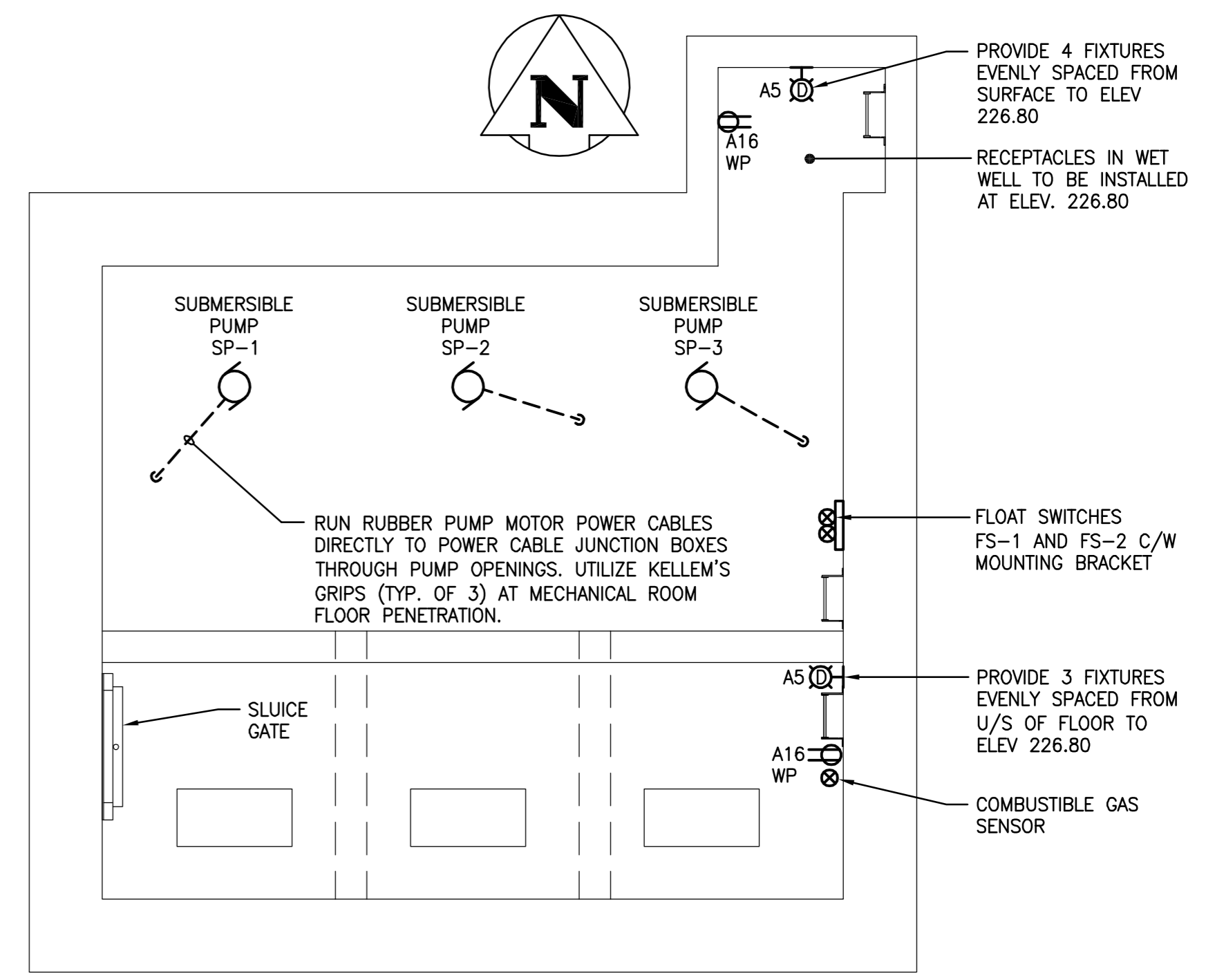
MAIN FLOOR ELECTRICAL PLAN
1:50

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 |
| SLUICE GATE CONTROL CIRCUIT | 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 |
| | 11 | | | | | | 12 |
| STAIRWELL FORCE FLOW HEATER (UP) | 13 | 20 | + | + | + | SPARE | 14 |
| STAIRWELL FORCE FLOW HEATER (DOWN) | 15 | 20 | + | + | + | SPARE | 16 |
| | 17 | | | | | | 18 |
| SPARE | 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 | | B.M. ELEV. |
|--|--------------------------|-----------------|
| 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 |
| 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. |
| NO. | REVISIONS | DATE |
| | | 05.09.13 |

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. |
| HORIZ. SCALE: AS SHOWN | |
| VERTICAL: R. FINGAS, P. ENG. 05.12.09 | |
| AUTHORIZED BY: R. FINGAS, P. ENG. BRIDGE PROJECTS ENGINEER | |

ENGINEER'S SEAL
ORIGINAL SEALED BY: D.W. DOWHAN P. ENG. 05.12.09
CONSULTANT DRAWING NO. I13703042-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 |