

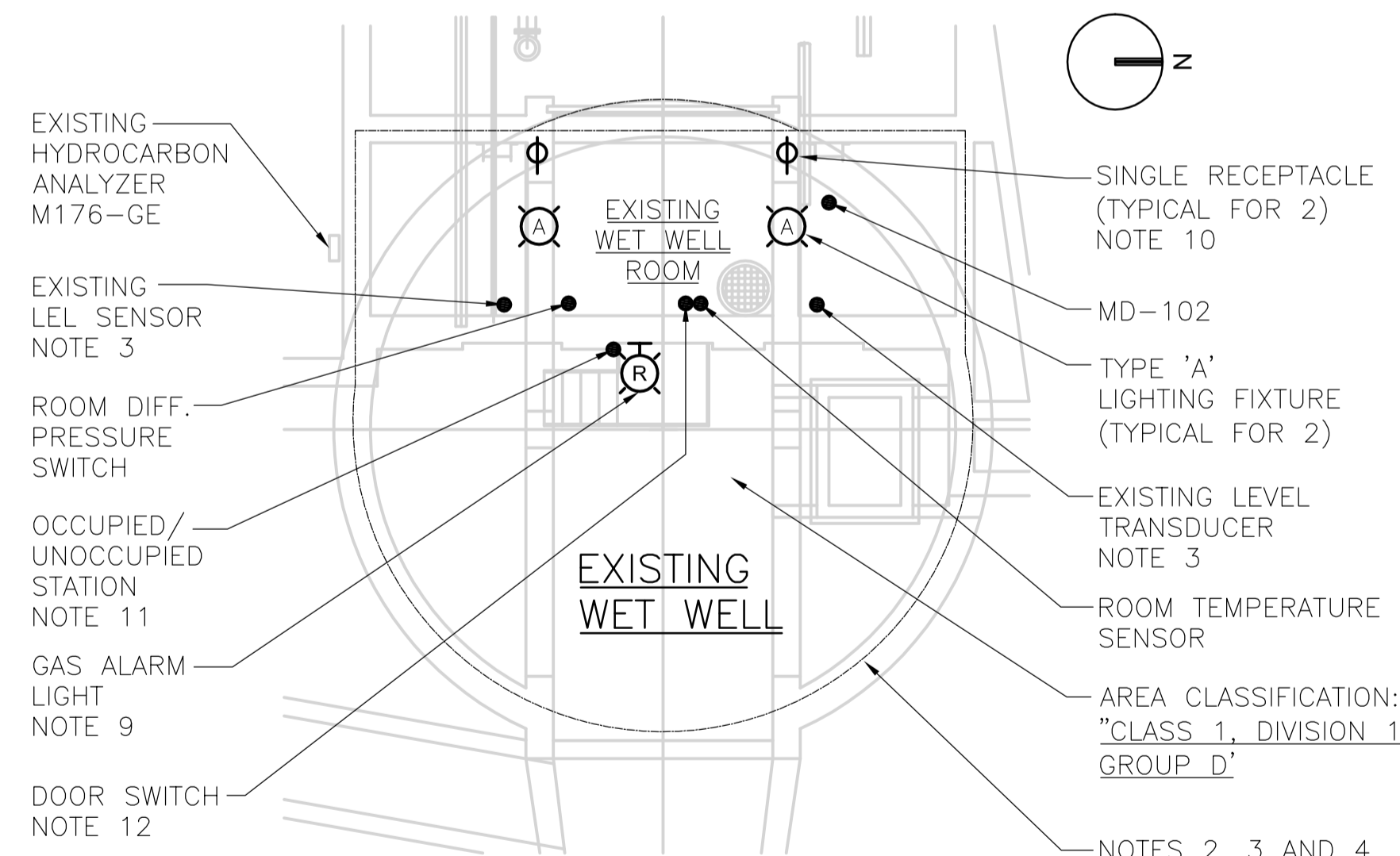
ROOF PLAN
1:100

GENERAL NOTES:

1. COMPLY WITH THE WINNIPEG ELECTRICAL BYLAW, BY-LAW NO. 133/2006 WITH APPLICABLE AMENDMENTS.
2. COMPLY WITH THE LATEST EDITIONS OF THE CSA CERTIFICATION STANDARDS AND BULLETINS.
3. SUBMIT COPIES OF PLANS AND SPECIFICATIONS REQUIRED BY INSPECTION AND SUPPLY AUTHORITIES.
4. SUBMIT INSPECTION AUTHORITIES APPROVAL CERTIFICATES.
5. SUBMIT SHOP DRAWINGS, CATALOG CUTS AND DESCRIPTIVE LITERATURE FOR THE LIGHTING FIXTURES, RECEPTACLES AND LIGHT SWITCHES.
6. WHERE OPENINGS ARE INSTALLED IN WALLS, FLOORS, ROOFS AND PARTITIONS TO ACCOMMODATE RACEWAYS, CABLES, PROVIDED NECESSARY SEALS, FITTINGS, BARRIERS AND FIRE-RESISTANT MATERIALS TO PERMANENTLY RESTORE INSTALLATION TO ORIGINAL FIRE RATING. OBSERVE WORK AFFECTING ELECTRICAL INSTALLATION.
7. PROVIDE PERMANENT, WATERTIGHT BARRIER SEALS FOR BELOW GRADE EXTERIOR WALL AND FLOOR ELECTRICAL PENETRATIONS.
8. PROVIDE SUPPORT, HANGERS, PLATES AND HARDWARE REQUIRED FOR ELECTRICAL AND INSTRUMENTATION EQUIPMENT.
9. BOND METALLIC SUPPORTS TO GROUNDING ELECTRODE. DO NOT USE METALLIC SUPPORTS AS GROUND CONDUCTORS FOR ELECTRICAL EQUIPMENT.

NOTES:

1. TYPE 'A' LIGHTING FIXTURE TO BE NRL LIGHTING PRODUCTS CAT. #ZH25C1P3-DR-Q-E-Z OR APPROVED EQUAL. FIXTURE TO BE COMPLETE WITH LAMPS AND OTHER MOUNTING COMPONENTS SUITABLE FOR PENDANT MOUNTING.
2. DISCONNECT AND REMOVE FROM SITE ALL EXISTING ELECTRICAL EQUIPMENT; SUCH AS LIGHTING FIXTURES, LIGHT SWITCHES, RECEPTACLES, WIRING, CONDUITS, ETC., WITHIN THIS BOUNDARY AND REPLACE WITH NEW.
3. REPLACE EXISTING WIRING AND CONDUITS FOR EXISTING LEL SENSOR AND LEVEL TRANSDUCER INSIDE THE WELL.
4. ALL ELECTRICAL, HVAC AND INSTRUMENTATION EQUIPMENT, DEVICES, WIRING AND CONDUITS WITHIN THIS BOUNDARY SHALL BE SUITABLE FOR EXPLOSION PROOF INSTALLATION. ALL WIRING INSIDE THE WET WELL SHALL BE PVC JACKETED CONDUITS BONDED TO THE METAL WITH HEAT POLYMERIZING EPOXY-ACRYLIC. PLASTI-BOND BY ROBROY INDUSTRIES INCLUDING ALL BOXES AND FITTINGS.
5. LOCATION OF EXISTING AND FINAL LOCATION OF NEW ELECTRICAL, HVAC AND INSTRUMENTATION DEVICES SHALL BE COORDINATED IN THE FIELD.
6. FINAL LOCATION SHALL BE COORDINATED IN THE FIELD.
7. TYPE 'B' LIGHTING FIXTURE TO BE NRL LIGHTING PRODUCTS CAT. #WAS-07-11RLPS OR APPROVED EQUAL. FIXTURE TO BE COMPLETE WITH LAMP AND OTHER MOUNTING COMPONENTS SUITABLE FOR WALL MOUNTING. MOUNT UNDERSIDE OF FIXTURE APPROXIMATELY 2000mm ABOVE PLATFORM.
8. MOUNT LIGHT SWITCH APPROXIMATELY 1400mm ABOVE FINISHED GRADE. LIGHT SWITCH SHALL BE RATED WEATHERPROOF AND CORROSION RESISTANT.
9. MOUNT ALARM LIGHT APPROXIMATELY 600mm ABOVE THE DOOR. ALARM LIGHT SHALL BE COOPER CROUSE-HINDS MEDC SERIES WARNING LIGHT CAT. #XB15UL12006RWBNB OR APPROVED EQUAL.
10. SINGLE GANG RECEPTACLE ASSEMBLY TO BE COOPER CROUSE-HINDS CAT. #ENR21151 OR APPROVED EQUAL. CONTRACTOR TO PROVIDE TWO (2) SPARE PLUGS COOPER-CROUSE-HINDS CAT. #ENP5151 OR APPROVED EQUAL TO MATCH RECEPTACLE CONFIGURATION.
11. PUSHBUTTON STATION FOR HIGH AND LOW SPEED VENTILATION AND WET WELL LIGHTING EQUAL TO COOPER CROUSE-HINDS CAT. #EDS115 COMPLETE WITH ENCLOSURE AND PUSHBUTTONS. PROVIDE NAMEPLATE TO READ: "START (OCCUPIED-HIGH SPEED) AND STOP (UNOCCUPIED - LOW SPEED) VENTILATION". PUSHBUTTON STATION TO BE SUITABLE FOR CLASS 1 DIV 1 AND WET ENVIRONMENT.
12. PROVIDE MAGNETIC DOOR SWITCH EQUAL TO ALLEN-BRADLEY TYPE FERROGARD GS2-EX (STAINLESS STEEL) CAT. # 440N-H02047.



GROUND LEVEL PLAN
1:100

APCGM
Certificate of Authorization
CH2M HILL Canada Ltd.
No. 1441 Expiry: April 30, 2008

B.M. ELEV.	FIELD BOOK #:
POSTED TO LBIS	
DESIGNED BY	R.BATAC
CHECKED BY	J.LAUFERS
DRAWN BY	R.BATAC
APPROVED BY	E.SHARP
HOR. SCALE	1:100
RELEASED FOR CONSTRUCTION	K. ZUREK
VERTICAL	
DATE	2007 06 20
DATE	2007/11/29
NO.	REVISIONS
	DATE BY
0	ISSUED FOR TENDER 07/11/28 RB

CH2MHILL

ENGINEER'S SEAL	
ORIGINAL SIGNED BY	J.R. LAUFERS
	2007/11/28
PROJECT No.: 358676	
PLOT DATE: 2007/11/28	

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

Winnipeg

NORTH END WATER POLLUTION CONTROL CENTRE
WET WELL REHABILITATION
ELECTRICAL POWER & LIGHTING LAYOUTS

SHEET **20** OF **24**

CONSULTANT DRAWING NUMBER **E0001**

CITY DRAWING NUMBER **1-0101M-D-E0001-000-00D**