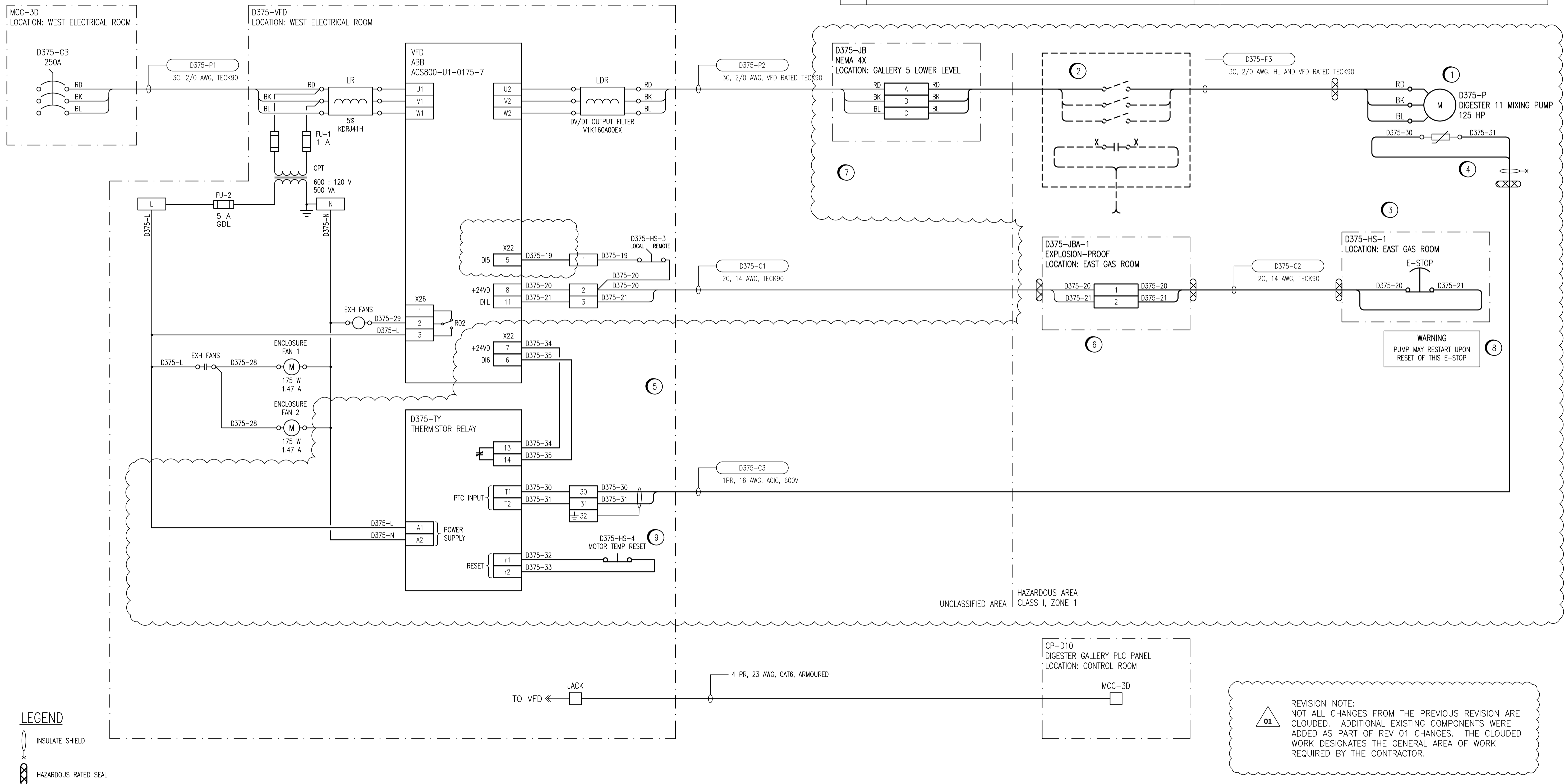


CONSTRUCTION NOTES:

- 1 REPLACE EXISTING MOTOR WITH NEW EXPLOSION-PROOF MOTOR.
- 2 DISCONNECT AND SALVAGE DISCONNECT SWITCH. REMOVE AUXILIARY CONTACT WIRING CURRENTLY INTEGRATED INTO E-STOP CIRCUIT.
- 3 INSTALL NEW EXPLOSION-PROOF EMERGENCY STOP SWITCH. RE-WIRE AS SHOWN.
- 4 RUN NEW CABLE AND CONNECT THERMISTOR WIRING AS SHOWN.
- 5 MODIFY VFD CABINET AS SHOWN. INSTALL DIN RAIL AND WIRING DUCT AS REQUIRED. SET VFD PARAMETERS AS REQUIRED AND COMMISSION.
- 6 REMOVE EXISTING NON-HAZARDOUS RATED JUNCTION BOXES. INSTALL NEW HAZARDOUS RATED JUNCTION BOX WITH TERMINALS TO EXTEND WIRING.
- 7 INSTALL NEW JUNCTION BOX WITH 200A RATED TERMINALS AND APPROPRIATELY SIZED FOR CABLE BEND RADIUS. LOCATE IN CEILING SPACE OF GALLERY BELOW THE EAST GAS ROOM.
- 8 PROVIDE WARNING LAMACOID IN ACCORDANCE WITH E14.
- 9 INSTALL NEW RESET BUTTON IN THE DOOR.



**LEGEND**  
 INSULATE SHIELD  
 HAZARDOUS RATED SEAL

**REVISION NOTE:**  
 01 NOT ALL CHANGES FROM THE PREVIOUS REVISION ARE CLOUDED. ADDITIONAL EXISTING COMPONENTS WERE ADDED AS PART OF REV 01 CHANGES. THE CLOUDED WORK DESIGNATES THE GENERAL AREA OF WORK REQUIRED BY THE CONTRACTOR.

NOTES:  
 1. THIS DRAWING IS BASED UPON SHOP DRAWING 14384C-D375

1-0101D-A0113-002	INSTRUMENT LOCATION PLAN - EAST GAS ROOM
1-0101D-E0020-001	WEST ELECTRICAL ROOM LAYOUT
1-0101D-E0023-001	ELECTRICAL PLAN LAYOUT - EAST GAS ROOM
REFERENCE DRAWING	DESCRIPTION

REVISION 01  
 THE ENGINEER'S DESIGN RESPONSIBILITIES ARE LIMITED TO THE CHANGES INDICATED IN THE CLOUDED WORK

DESIGNED BY: C. REIMER	CHECKED BY: C. REIMER
DRAWN BY: S. FUNK	APPROVED BY: C. REIMER
DATE: 2019-08-22	

**ENGINEERS GEOSCIENTISTS MANITOBA**  
 Certificate of Authorization  
**CENGYS Ltd.**  
 No. 6983

**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 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.

B.M. ELEV.	
NO.	REVISIONS
01	ADDENDUM 1 - THERMISTOR RELAY 2019-08-22 CJR
00	ISSUED FOR CONSTRUCTION 2019-08-01 SLF
DATE	2019-05-20

**CENGYS**

DESIGNED BY: C. REIMER	CHECKED BY: C. REIMER
DRAWN BY: S. FUNK	APPROVED BY: C. REIMER
HOR. SCALE: -	RELEASED FOR CONSTRUCTION: K. SCHIMKE
VERTICAL: -	DATE: 2019-08-01

ENGINEER'S SEAL  
 BID OPPORTUNITY NO. 630-2019

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT  
**NORTH END SEWAGE TREATMENT PLANT**  
 CONNECTION DIAGRAM  
 VFD-D375  
 MIXING PUMP  
 CITY DRAWING NUMBER: 1-0101D-E0025-001  
 SHEET 10 OF 44