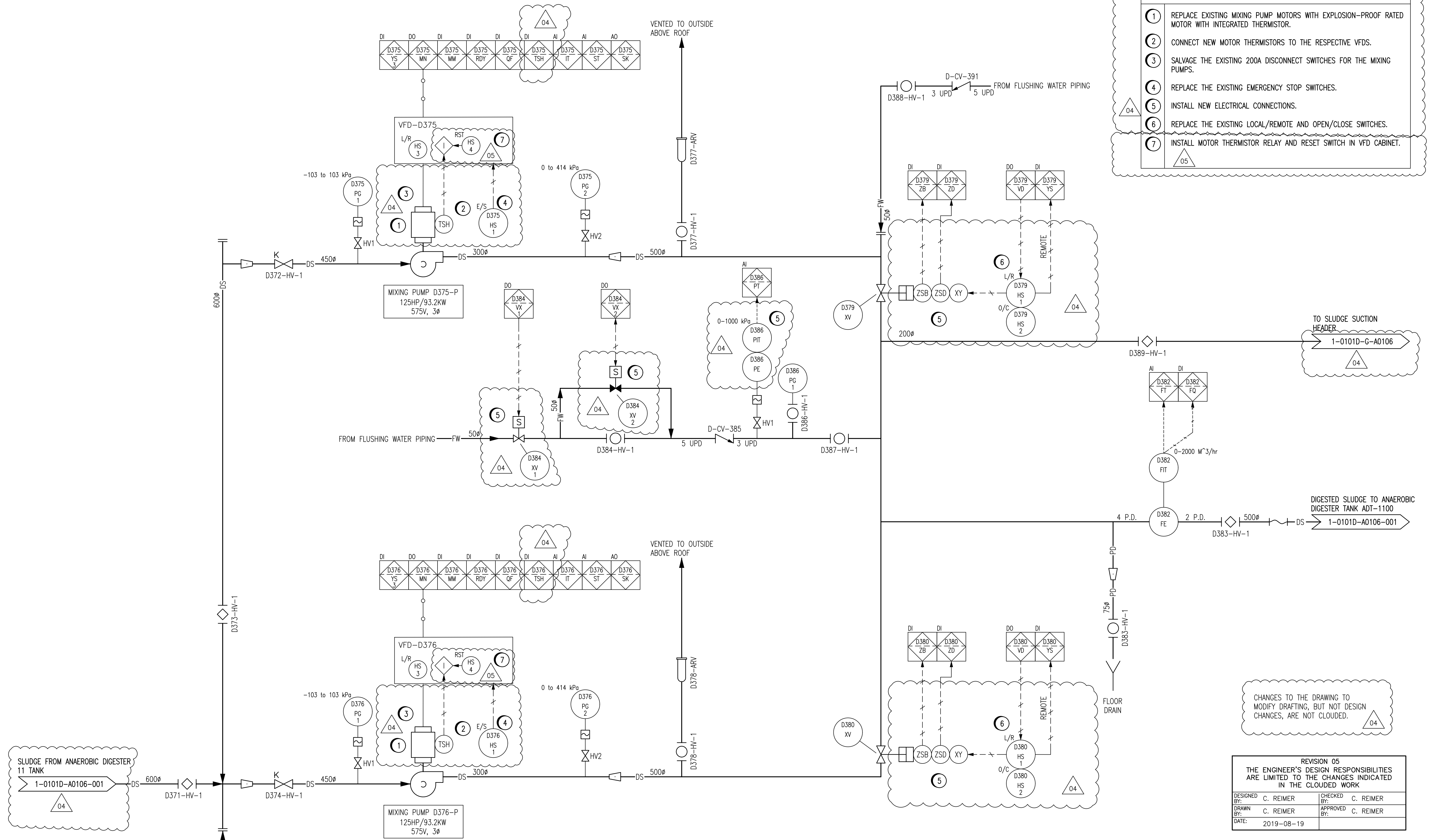


**CONSTRUCTION NOTES:**

- 1 REPLACE EXISTING MIXING PUMP MOTORS WITH EXPLOSION-PROOF RATED MOTOR WITH INTEGRATED THERMISTOR.
- 2 CONNECT NEW MOTOR THERMISTORS TO THE RESPECTIVE VFDs.
- 3 SALVAGE THE EXISTING 200A DISCONNECT SWITCHES FOR THE MIXING PUMPS.
- 4 REPLACE THE EXISTING EMERGENCY STOP SWITCHES.
- 5 INSTALL NEW ELECTRICAL CONNECTIONS.
- 6 REPLACE THE EXISTING LOCAL/REMOTE AND OPEN/CLOSE SWITCHES.
- 7 INSTALL MOTOR THERMISTOR RELAY AND RESET SWITCH IN VFD CABINET.



CHANGES TO THE DRAWING TO MODIFY DRAFTING, BUT NOT DESIGN CHANGES, ARE NOT CLOUDED.

REVISION 05  
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: C. REIMER	APPROVED BY: C. REIMER
DATE: 2019-08-19	

UPD = UNINTERRUPTED PIPE DIAMETERS

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

**LOCATION APPROVED UNDERGROUND STRUCTURES**

NO.	REVISIONS	DATE	BY
05	ADDENDUM 1 - THERMISTOR RELAY	2019-08-22	C.J.R.
04	ISSUED FOR CONSTRUCTION	2019-08-01	C.J.R.
3	REVISED TO ASBUILT	2017-11-01	K.R.
2	ISSUED FOR TENDER	2012-11-01	D.K.G.
1	ISSUED FOR 60% REVIEW	2012-07-25	D.K.G.

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.	DATE	BY

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

DESIGNED BY: B.S.J.	CHECKED BY: S.T.
DRAWN BY: D.K.G.	APPROVED BY: S.K.B.
HOR. SCALE: -	RELEASED FOR CONSTRUCTION: -
VERTICAL: -	DATE: 2012.01.23

ENGINEER'S SEAL

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT

**NORTH END WATER POLLUTION CONTROL CENTRE**  
REHABILITATION OF DIGESTER No. 11, SLUDGE HOLDING TANKS No. 5 AND No. 7

DIGESTER NO. 11 MIXING PUMPS P&ID

BID OPPORTUNITY NO. 630-2019  
CITY DRAWING NUMBER 1-0101D-A0082-001  
SHEET 16 OF 44