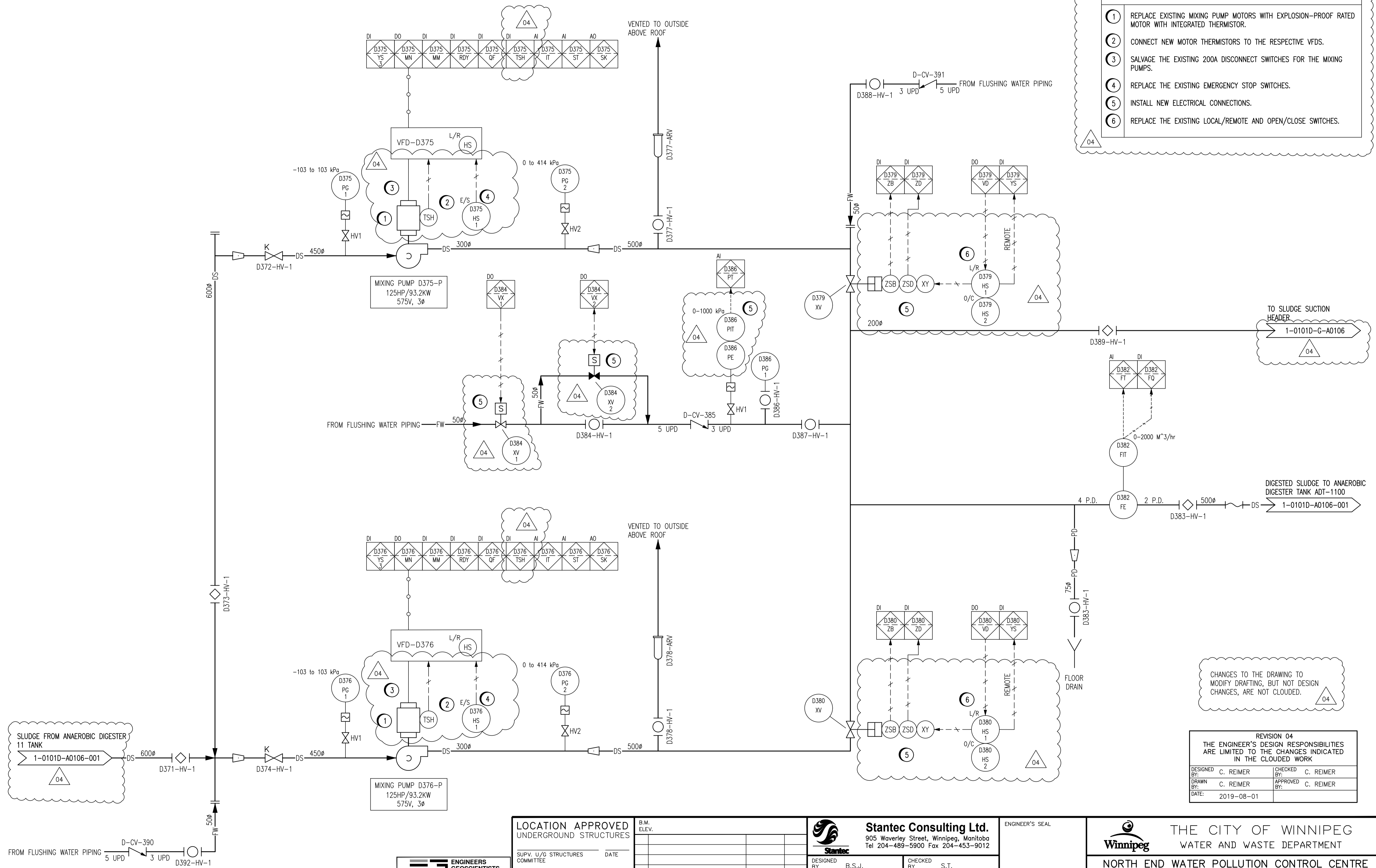


- ### CONSTRUCTION NOTES:
- 1 REPLACE EXISTING MIXING PUMP MOTORS WITH EXPLOSION-PROOF RATED MOTOR WITH INTEGRATED THERMISTOR.
 - 2 CONNECT NEW MOTOR THERMISTORS TO THE RESPECTIVE VFDs.
 - 3 SALVAGE THE EXISTING 200A DISCONNECT SWITCHES FOR THE MIXING PUMPS.
 - 4 REPLACE THE EXISTING EMERGENCY STOP SWITCHES.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



UPD = UNINTERRUPTED PIPE DIAMETERS

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

LOCATION APPROVED UNDERGROUND STRUCTURES

SN/PV. 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.

NO.	REVISIONS	DATE	BY
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.

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: DATE
VERTICAL: -	DATE: 2012.01.23

ENGINEER'S SEAL

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

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

REVISION 04
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: 2019-08-01	