



- NOTES:**
1. INSTALL EXISTING PNEUMATIC OPERATOR ON NEW VALVE.
 2. EXISTING VALVE S112-HV1-V302 RENAMED AS S114-FCV.

BIOREACTOR 2 MIXER 1
 EQUIP. NO.: S-765-MXR 11395
 SPEC: SUBMERSIBLE PROPELLER
 TYPE: TYPE:
 DRIVE: FIXED SPEED
 POWER: 3.75 kW

BIOREACTOR 2 MIXER 2
 EQUIP. NO.: S-766-MXR 11395
 SPEC: SUBMERSIBLE PROPELLER
 TYPE: TYPE:
 DRIVE: FIXED SPEED
 POWER: 3.75 kW

BIOREACTOR 2 MIXER 3
 EQUIP. NO.: S-767-MXR 11395
 SPEC: SUBMERSIBLE PROPELLER
 TYPE: TYPE:
 DRIVE: FIXED SPEED
 POWER: 3.75 kW

BIOREACTOR 2 MIXER 4
 EQUIP. NO.: S-768-MXR 11395
 SPEC: SUBMERSIBLE PROPELLER
 TYPE: TYPE:
 DRIVE: FIXED SPEED
 POWER: 3.75 kW

AECOM
 As of January 3, 2009,
 EarthTech became AECOM
 Canada Ltd.

PROJECT 773-2015
KGS GROUP
 CONSULTING ENGINEERS

NO.	REVISIONS	DATE	BY
04	ISSUED FOR BID-OP 773-2015	15/09/16	AS
03	AS CONSTRUCTED	08/09/12	AS
02	ISSUED FOR CONSTRUCTION	06/09/22	SRP
01	21-2006 ADDENDUM 3	06/05/19	SRP
00	ISSUED FOR TENDER	06/04/26	CD

EarthTech
 A Tyco International Ltd. Company

DESIGNED BY: CGL/EVS
 CHECKED BY: KM/ST
 DRAWN BY: LAE/PPL
 APPROVED BY: JEH
 HOR. SCALE: NONE
 VERTICAL SCALE: NONE
 RELEASED FOR CONSTRUCTION BY: J. VAILLEUX
 DATE: 2005/07/06
 DATE: 2006/04/26

ENGINEER'S SEAL
 ORIGINAL SIGNED BY: S.W. TORMEY
 DATE: 2006/04/26
 CONSULTANT DRAWING NO.: LI2.03

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 ENGINEERING DIVISION

WEWPC
 BIOLOGICAL NUTRIENT REMOVAL UPGRADE
 CONTRACT 3

PROCESS
 AREA S - BIOREACTORS
 BIOREACTOR 2 - P&ID

CITY FILE NUMBER
 SHEET OF
 CITY DRAWING NUMBER
1-01038-A0002-001-04