SHEET: COW-A1 (05/2005)

CHEMICAL TANKS EMERGENCY STOP

FERRIC CHLORIDE UNLOADING EYEWASH IN USE

CI1.01
EMERGENCY STOP

WC W696 HS-4 DI

WC W702 FS-2 DI

FC 50ø

CI3.01
TO FERRIC CHLORIDE FEED PUMPS

12ø PD

CI2.01
TO SUMP PIT

WV-707B

REMOTE CLOSE OPEN COMMAND CLOSE COMMAND

WC W706 YS DI
WC W706 ZSB DI
WC W706 ZSD DI
WC W706 VD DO
WC W706 VB DO

L/O/R CLOSE OPEN OPEN CLOSE

W706 HS 1
W706 ZSB
W706 ZSD
W706 HS 2
W706 HS 3

WV-707

VENT

W702 FS-2

M

WV-706

WV-706B

75ø

32ø PW

CM2.01
TEMPERED POTABLE WATER FROM W702-HWT-2 MIXING VALVE

12ø

CI3.01
FERRIC CHLORIDE FEED PUMP RELIEF

REMOTE CLOSE OPEN COMMAND CLOSE COMMAND

WC W705 YS DI
WC W705 ZSB DI
WC W705 ZSD DI
WC W705 VD DO
WC W705 VB DO

L/O/R CLOSE OPEN OPEN CLOSE

W705 HS 1
W705 ZSB
W705 ZSD
W705 HS 2
W705 HS 3

W701 FI 2
W701 FI 1
WC W701 FT AI
WC W701 FQ DI

75ø FC

W701 FIT
W701 FE

W710 LI 2
W710 LI 1
LEVEL WC W710 LT-1 AI
LEVEL WC W710 LT-2 AI

ESD W696 HS 4

EYEWASH STATION 1
W-702-EW-3

W720 LI 2
W720 LI 1
LEVEL WC W720 LT-1 AI
LEVEL WC W720 LT-2 AI

FAULT WC W710 LF DI
W710 LIT

FAULT WC W720 LF DI
W720 LIT

CI1.01
FROM RAILCAR

WV-701F 75ø FC

WV-705

75ø WV-705B FC

FC

PV 250ø

VENT

100ø PO

50ø

W710 LE
W710 LI
CHEMICAL TANK 1
W 710
W710 LT

W720 LE
W720 LI
CHEMICAL TANK 2
W 720
W720 LT

100ø PO

MANWAY (TYP)

50ø PD WV-710D

WV-710B WV-710C

WV-720D

WV-720B 50ø FC WV-720C

CI3.01
TO FERRIC CHLORIDE FEED PUMPS

50ø FC

CI3.01
TO FERRIC CHLORIDE FEED PUMPS

50ø PD

WV-731B

CONTAINMENT

PIPE SLEEVE DRAIN

WC W731 LAH DI

CI2.01
FROM UNLOADING BY-PASS LINE

CI1.01
FROM RAILCAR SPILL COLLECTION

CI3.01
FROM FERRIC CHLORIDE FEED PUMP SKID

SUMP PIT

W731 LSH

WV-731D

TO EXISTING SEWER

FERRIC CHLORIDE BULK TANKS

QTY: 2
CAPACITY: 80m³ EACH
DIMENSIONS: 4.0mø x 6.4 H
MATERIAL: FRP

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2006

| NO. | REVISIONS | DATE | BY |
|---|---|---|---|
| 00 | ISSUED FOR TENDER | 05/12/2 | GLG |

B.M. ELEV.

EarthTech
A Tyco International Ltd. Company

| | | | |
|---|---|---|---|
| DESIGNED BY | SB/BL | CHECKED BY | SWT |
| DRAWN BY | LW | APPROVED BY | D. TANIGUCHI |
| SCALE: | NONE | RELEASED FOR CONSTRUCTION BY: | K. MARTENS |
| DATE | 2005/07/12 | DATE | 05/12/02 |

ENGINEER'S SEAL
ORIGINAL SIGNED BY
S.W. TORMEY
2005/12/02

CONSULTANT DRAWING NO.
CI2.01

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

NEWPCC CENTRATE NUTRIENT TREATMENT
PHOSPHORUS REMOVAL FACILITY
CONTRACT No. 1

CITY FILE NUMBER
SHEET OF

INSTRUMENTATION
CHEMICAL STORAGE AND CONTAINMENT
PROCESS AND INSTRUMENTATION DIAGRAM

CITY DRAWING NUMBER
1-0101F-H-A0002-001-00-D

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