A1 – 841x594

2013-10-11

_ACDWMKND_DEFAULT.CTB

AECOM REVIEW | DRFT CHK

D:\60273041\000_CADD\02_SHEETS\02_SHEETS\02\60273041_SHT_01_STM3_-_P-1005.DWG

HOA | RUN STATUS | START / STOP | SEAL LEAK | WINDING TEMP | BEARING TEMP

HS | YS | XMC | NSH | TSH | TSH

1400 | 1400 | 1400 | 1400 | 1400A | 1400B

LEVEL HIGH | LEVEL LOW | LEVEL | FAULT

LSH | LSL | LIT | LF

1640 | 1640 | 1600 | 1600

HOA | RUN STATUS | START / STOP | SEAL LEAK | WINDING TEMP | BEARING TEMP

HS | YS | XMC | NSH | TSH | TSH

1100 | 1100 | 1100 | 1100 | 1100A | 1100B

HOA | RUN STATUS | START / STOP | SEAL LEAK | WINDING TEMP | BEARING TEMP

HS | YS | XMC | NSH | TSH | TSH

1500 | 1500 | 1500 | 1500 | 1500A | 1500B

FAULT | OPEN STATUS | CLOSED STATUS | REMOTE | OPEN | CLOSED

XA | ZSO | ZSC | YS | YC | YC

1410 | 1410 | 1410 | 1410 | 1410A | 1410B

ZSO 1410 | ZSC 1410

HS 1410 | HS 1410

FAULT | OPEN STATUS | CLOSED STATUS | REMOTE | OPEN | CLOSED

XA | ZSO | ZSC | YS | YC | YC

1510 | 1510 | 1510 | 1510 | 1510A | 1510B

ZSO 1510 | ZSC 1510

HS 1510 | HS 1510

HOA | RUN STATUS | START / STOP | SEAL LEAK | WINDING TEMP | BEARING TEMP

HS | YS | XMC | NSH | TSH | TSH

1200 | 1200 | 1200 | 1200 | 1200A | 1200B

HOA | RUN STATUS | START / STOP | SEAL LEAK | WINDING TEMP | BEARING TEMP

HS | YS | XMC | NSH | TSH | TSH

1300 | 1300 | 1300 | 1300 | 1300A | 1300B

LEVEL HIGH | LEVEL LOW

LSH | LSL

1650 | 1650

LS 1650

HOA | RUN STATUS | START / STOP | SEAL LEAK | WINDING TEMP | BEARING TEMP

HS | YS | XMC | NSH | TSH | TSH

2100 | 2100 | 2100 | 2100 | 2100A | 2100B

LEVEL | FAULT

LIT | LF

2600 | 2600

HOA | RUN STATUS | START / STOP | SEAL LEAK | WINDING TEMP | BEARING TEMP

HS | YS | XMC | NSH | TSH | TSH

2200 | 2200 | 2200 | 2200 | 2200A | 2200B

FAULT | OPEN STATUS | CLOSED STATUS | REMOTE | OPEN | CLOSED

XA | ZSO | ZSC | YS | YC | YC

1520 | 1520 | 1520 | 1520 | 1520A | 1520B

ZSO 1520 | ZSC 1520

HS 1520 | HS 1520

FAULT | OPEN STATUS | CLOSED STATUS | REMOTE | OPEN | CLOSED

XA | ZSO | ZSC | YS | YC | YC

1420 | 1420 | 1420 | 1420 | 1420A | 1420B

ZSO 1420 | ZSC 1420

HS 1420 | HS 1420

LEVEL HIGH | LEVEL | FAULT

LSH | LIT | LF

1660 | 3600 | 3600

LS 1660

TEMP

TIT 1610 AI

ROOM TEMP

TIT 1610

TE 1610

PRESS

PSL 100 DI

PSL 100

CONTROL ROOM

OUTSIDE AIR

LS 1640

E

LIT 1600

LE 1600

BLIND FLANGE FOR WET WELL CLEAN OUT

STORM WATER

1070 - STM - CON

TO / FROM DRY POND

100 STM CS 2

FCV 1410

BFV-1410

FCV 1510

BFV-1510

E

LIT 2600

LE 2600

FCV 1520

BFV-1520

FCV 1420

BFV-1420

LIT 3600

LE 3600

TEMP

TIT 1620 AI

OUTSIDE TEMP

TIT 1620

TE 1620

CV-1530

CV-1430

CV-2120

CV-2220

533 - STM - CON

STORM WATER

TO DUGALD DRAIN

250 - STM - CS

P 2100

DRY POND PUMP 1

P 2200

DRY POND PUMP 2

STORM WATER

1070 - STM - CON

FROM UNDERPASS LAND DRAINAGE SEWER

SG-1000

(NOTE 2)

OVERFLOW

200 - DRA - CS

SEDIMENT TRAP

SLG-1010

100 - STM - CS

100 - STM - CS

900 - STM - CS (NOTE 1)

900 - STM - CS (NOTE 1)

900 - STM - CS (NOTE 1)

P 1100

DUTY PUMP 1

P 1200

DUTY PUMP 2

P 1300

DUTY PUMP 3

P 1400

SUMP PUMP 1

P 1500

SUMP PUMP 2

DOOR OPEN

ZA 110 DI

ZA 110

EXTERIOR DOOR CONTACT

FAULT | GAS LEVEL

AF 1630 DI | AIT 1630 AI

AIT 1630 GAS DETECTOR

AE 1630

SMOKE ALARM

UA 168A DI

UA 168A

CONTROL ROOM SMOKE ALARM

DOOR OPEN

ZA 111 DI

ZA 111

GENERATOR ROOM DOOR CONTACT

SMOKE ALARM

UA 168B DI

UA 168B

GENERATOR ROOM SMOKE ALARM

NOTE:

1. DRAFT TUBE DIAMETER MAY DIFFER DEPENDING ON PUMP MODEL.
2. MAIN FLOW THROUGH TRASH RACKS FOR COLLECTING LARGE DEBRIS. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
3. FOR PROCESS CONTROL NARRATIVE & CONTROL LOOP DRAWINGS, SEE SPECIFICATION.
4. CONFIRM LOCATION OF FLOAT AND LEVEL TRANSMITTERS WITH CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.

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	DATE	BY
2	ISSUED FOR ADDENDUM	14/01/14	KLC
1	ISSUED FOR ADDENDUM	13/12/10	WJd
0	ISSUED FOR TENDER	13/10/15	SRG

AECOM

DESIGNED BY	KMcK	CHECKED BY	
DRAWN BY	SRG	APPROVED BY	
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION BY:	
VERTICAL:	AS NOTED		
DATE		DATE	

ENGINEER'S SEAL

CONSULTANT DRAWING NO.
60273041-SHT-01-Con3- P-1005

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date:_____

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

BID OPPORTUNITY NO. 712-2013

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION
CONTRACT 3

CITY DRAWING NUMBER
U238-2014-2375

SHEET 5 OF 5

PUMPING STATION
PROCESS & INSTRUMENTATION DIAGRAM

P-1005

1