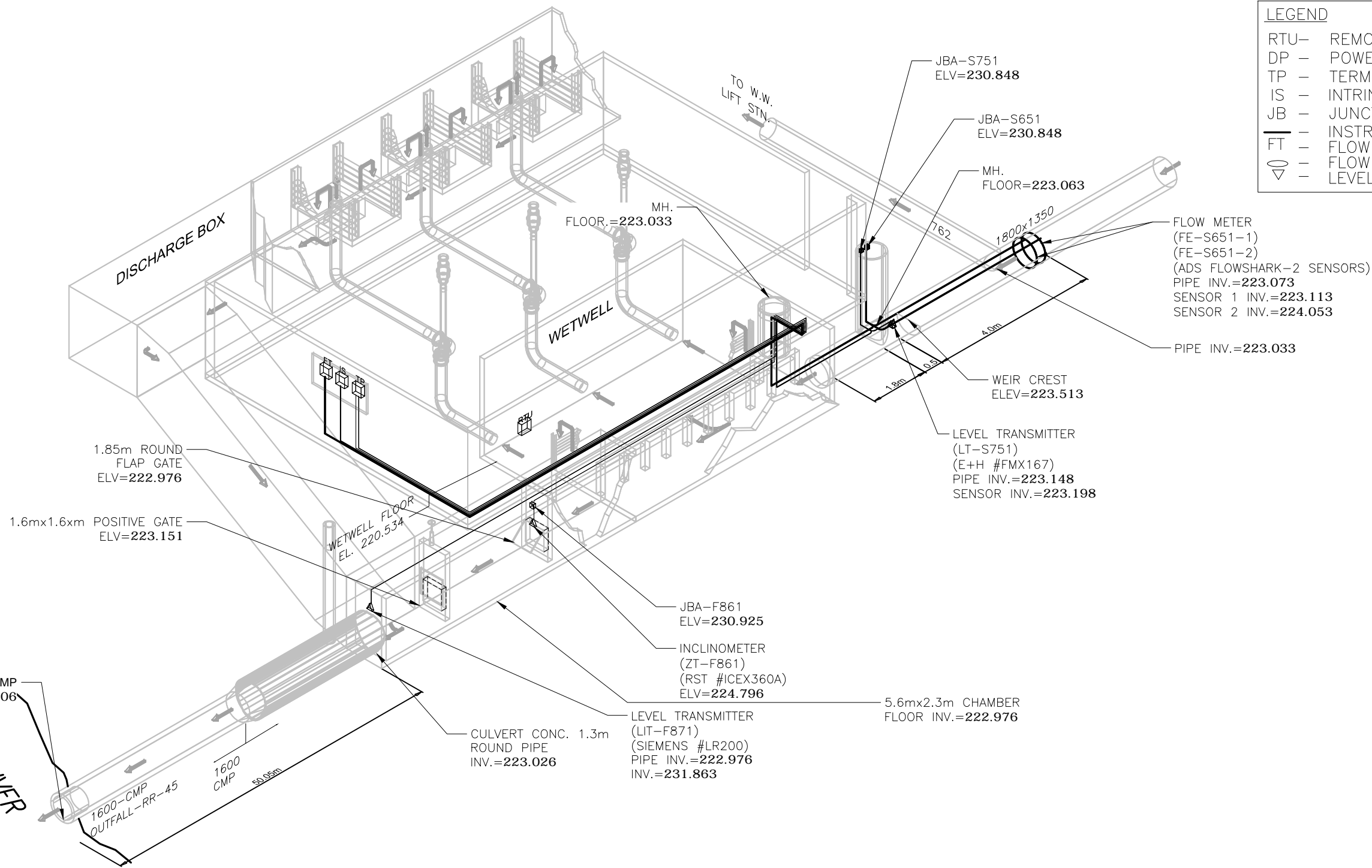


# **APPENDIX A**

## **3D ISOMETRIC PLAN DRAWINGS FOR OUTFALL CLEANING SITE PUMP STATIONS**

\\CD1201-F02\work\_group\1112\active\111214720\0300\_sheet\_files\08\_electrical\Phase 1 And Phase 2 New Drawings\Baltimore\14720e-0801-bal.dwg  
2015/04/16 10:03 AM By: Bekker, Kyle



LEGEND	
RTU-	REMOTE TERMINAL UNIT PANEL
DP -	POWER DISTRIBUTION PANEL
TP -	TERMINATION PANEL
IS -	INTRINSIC SAFETY BARRIER PANEL
JB -	JUNCTION BOX
—	INSTRUMENTATION CABLE
FT -	FLOW METER TRANSMITTER
⊖	FLOW METER SENSOR
▽	LEVEL TRANSMITTER, INCLINOMETER

**NOTE:**  
ADS FLOWSHARK #20A1E FLOW METER  
ENDRESS+HAUSER #FMX 167 HYDROSTATIC LEVEL TRANSMITTER  
RST INSTRUMENTS #ICEX360A INCLINOMETER  
SIEMENS #LR200 RADAR LEVEL TRANSMITTER  
FLOOD LEVEL = 230.01  
BOLD ELEVATIONS FROM STANTEC

CITY OF WINNIPEG TO REPLACE EXISTING INSTRUMENT AND JUNCTION BOX TAGS TO MATCH TAGS ON DRAWINGS

**TBM Description. Elevation = 231.491**  
Center punch on N Rim of MH, 7.6m N of S building line of 257 Churchill Dr and 5.7m E of W face of curb.

## WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:  
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.  
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.  
SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

## METRIC

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES



### 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.			
C	AS-BUILT DRAWING	15.04.16	J.C.
B	ISSUED FOR CLIENT REVIEW	15.02.11	J.C.
A	ISSUED FOR CLIENT REVIEW	14.01.15	J.C.
NO.	REVISIONS	DATE	BY



### Stantec Consulting Ltd.

905 Waverley Street, Winnipeg, Manitoba  
Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY	S.T.	CHECKED BY	J.C.
DRAWN BY	K.B.	APPROVED BY	J.C.
HOR. SCALE:	N.T.S.	RELEASED FOR CONSTRUCTION:	
VERTICAL:			
DATE	2013.12.04	DATE	

ENGINEER'S SEAL

CONSULTANT DRAWING NO.  
E-0801

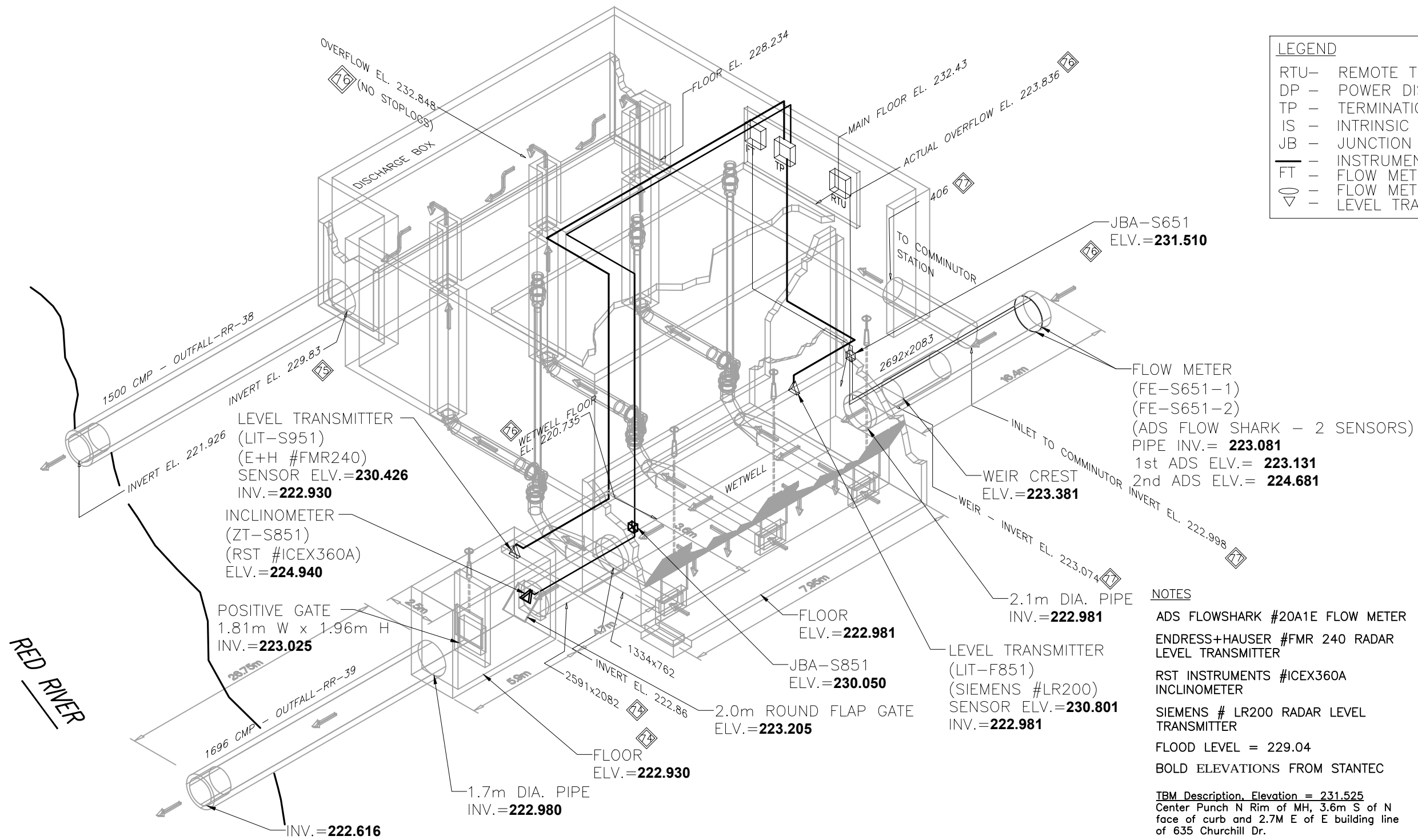


## THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

CSO OUTFALL MONITORING  
BALTIMORE  
3D ISOMETRIC PLAN

SHEET	OF
1	2
CAD FILE DRAWING NUMBER 14720e-0801-bal.dwg	
CITY DRAWING NUMBER I-0117-A-A0202-001-00	

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2015/04/16 9:53 AM By: Better, Kyle



LEGEND	
RTU-	REMOTE TERMINAL UNIT PANEL
DP -	POWER DISTRIBUTION PANEL
TP -	TERMINATION PANEL
IS -	INTRINSIC SAFETY BARRIER PANEL
JB -	JUNCTION BOX
-	INSTRUMENTATION CABLE
FT -	FLOW METER TRANSMITTER
▽ -	FLOW METER SENSOR
▽ -	LEVEL TRANSMITTER, INCLINOMETER

**NOTES**

ADS FLOWSHARK #20A1E FLOW METER

ENDRESS+HAUSER #FMR 240 RADAR LEVEL TRANSMITTER

RST INSTRUMENTS #ICEX360A INCLINOMETER

SIEMENS # LR200 RADAR LEVEL TRANSMITTER

FLOOD LEVEL = 229.04

BOLD ELEVATIONS FROM STANTEC

TBM Description, Elevation = 231.525  
Center Punch N Rim of MH, 3.6m S of N face of curb and 2.7M E of E building line of 635 Churchill Dr.

## WARNING

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- 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

## METRIC

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APEGM**  
Certificate of Authorization  
Stantec Consulting Ltd.  
No. 1301

### LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

**NOTE:**  
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B.M. ELEV.			
C	AS-BUILT DRAWING	15.04.16	J.C.
B	ISSUED FOR CLIENT REVIEW	15.02.11	J.C.
A	ISSUED FOR CLIENT REVIEW	14.01.15	J.C.
NO.	REVISIONS	DATE	BY

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

DESIGNED BY	S.T.	CHECKED BY	J.C.
DRAWN BY	K.B.	APPROVED BY	J.C.
HOR. SCALE:	N.T.S.	RELEASED FOR CONSTRUCTION:	
VERTICAL:			
DATE	2013.12.04	DATE	

ENGINEER'S SEAL

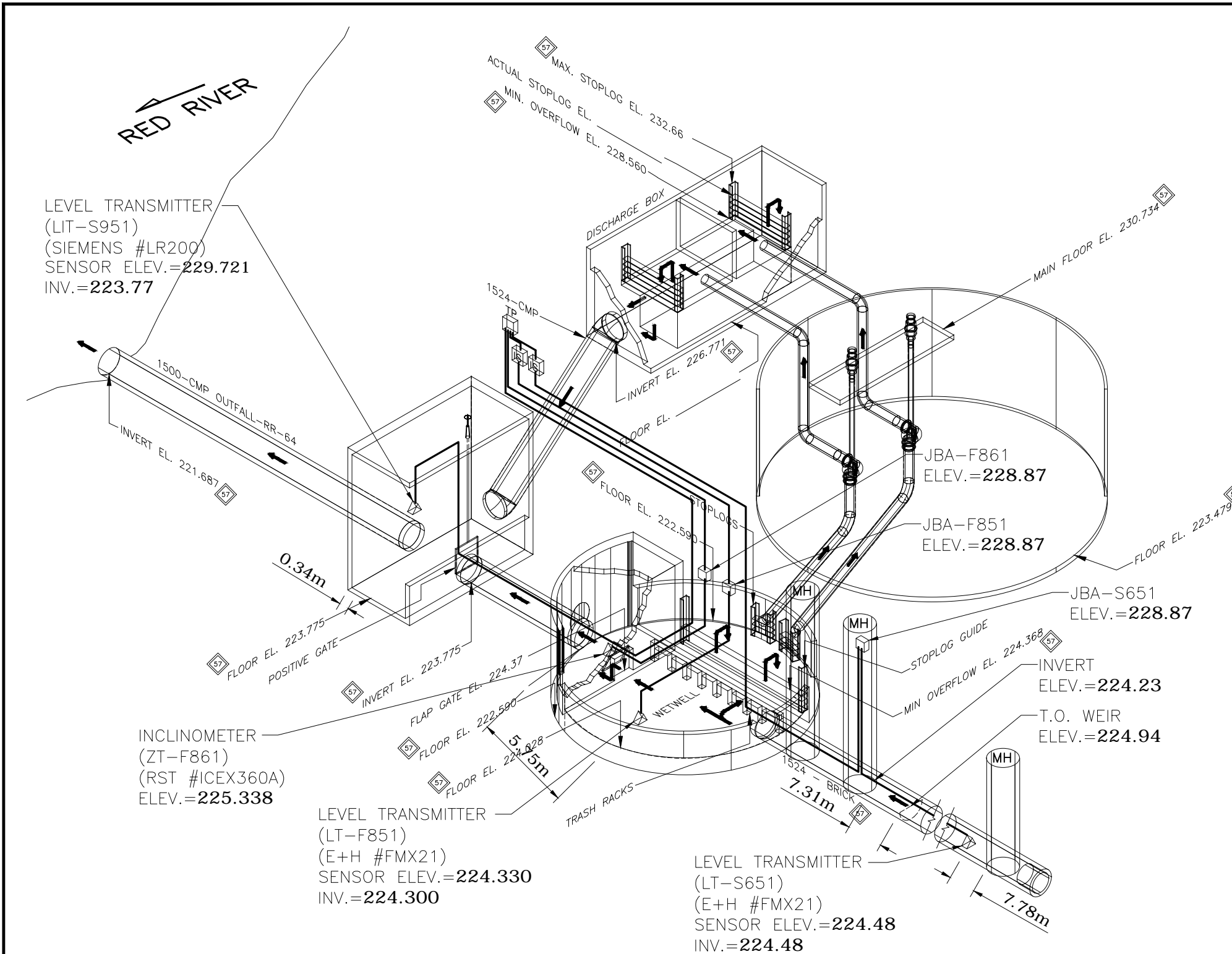
CONSULTANT DRAWING NO.  
**E-0301**

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

CSO OUTFALL MONITORING  
COCKBURN  
3D ISOMETRIC PLAN

SHEET	OF
1	2
CAD FILE DRAWING NUMBER	14720e-0301-coc.dwg
CITY DRAWING NUMBER	I-0127-A-A0202-001-00

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2015/08/18 10:26 AM By: Bekker, Kyle



LEGEND	
RTU-	REMOTE TERMINAL UNIT PANEL
DP -	POWER DISTRIBUTION PANEL
TP -	TERMINATION PANEL
IS -	INTRINSIC SAFETY BARRIER PANEL
JB -	JUNCTION BOX
-	INSTRUMENTATION CABLE
FT -	FLOW METER TRANSMITTER
▽ -	FLOW METER SENSOR
▽ -	LEVEL TRANSMITTER, INCLINOMETER

BOLD ELEVATIONS FROM STANTEC

Benchmark Elevation = 230.839  
Centre-Punch w/Cross Hairs on North Rim of Most Northerly MH North of FPS (S.of Concrete Driveway) - 2.65m East of the Projected NW Corner and 3.80m North of the North Wall of the FPS

## WARNING

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DECIMALIZED NUMBERS INDICATE METRES



Certificate of Authorization

Stantec Consulting Ltd.

No. 1301

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B.M. ELEV.			
C	AS BUILT DRAWING	15.04.08	J.C.
B	ISSUED FOR CLIENT REVIEW	14.12.09	J.C.
A	ISSUED FOR CLIENT REVIEW	13.11.15	J.C.
NO.	REVISIONS	DATE	BY



**Stantec**

500-311 Portage Avenue, Winnipeg, Manitoba  
Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY	S.T.	CHECKED BY	J.C.
DRAWN BY	K.B.	APPROVED BY	J.C.
HOR. SCALE:	N.T.S.	RELEASED FOR CONSTRUCTION:	
VERTICAL:			
DATE	2013.11.01	DATE	

ENGINEER'S SEAL

CONSULTANT DRAWING NO.

E-3301



**THE CITY OF WINNIPEG**

**WATER AND WASTE DEPARTMENT**

CSO OUTFALL MONITORING

GALT AVENUE

3D ISOMETRIC PLAN

SHEET OF  
1 2

CAD FILE DRAWING NUMBER  
14720e-3301-gal.dwg

CITY DRAWING NUMBER  
I-0112-A-A0202-001-00