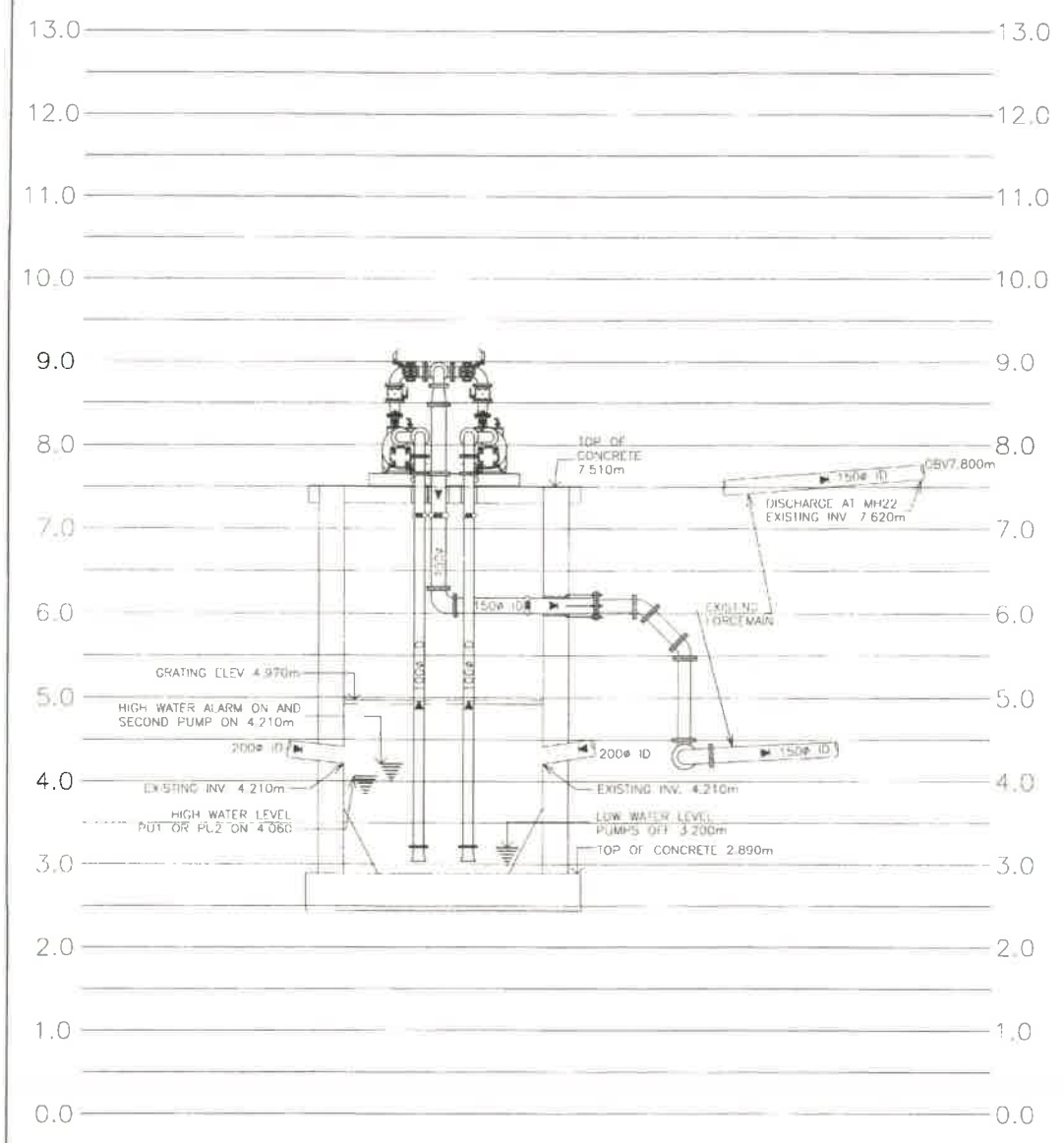
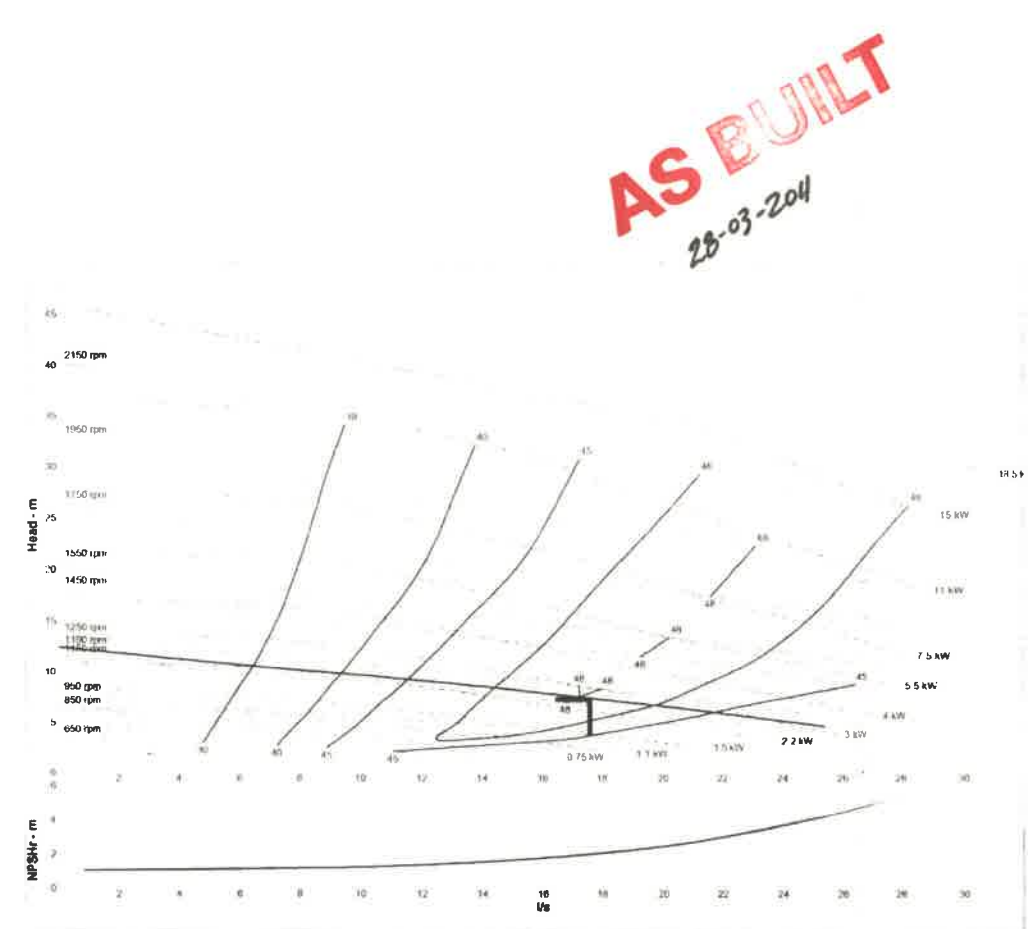




HYDRAULIC PROFILE
N.T.S.

- +1.10 = HIGH WATER LEVEL ALARM ON
- +1.00 = SECOND PUMP START
- +0.95 = PUMP1 OR PUMP2 START
- +0.80 = LOW WATER LEVEL PUMPS OFF
- 0.00 = BOTTOM OF WET WELL

LEVEL CONTROL/ALARM POINTS
N.T.S.



SYSTEM & PUMP CURVES
N.T.S.



LEGEND

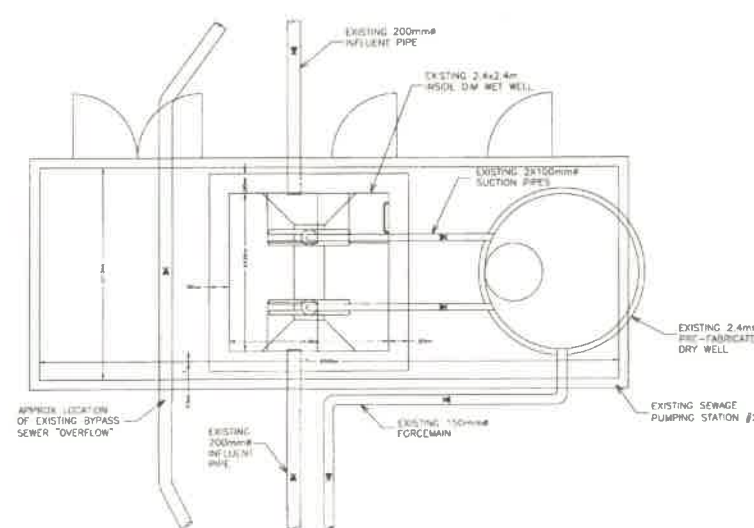
PERMIT OF PRACTICE
TROW ASSOCIATES INC.
Signature: *[Signature]*
Date: *May 14, 2014*
PERMIT NUMBER: P184
The Association of Professional Engineers
Geologists and Geophysicists of the NW/NU

No.	DESCRIPTION	DATE	BY	APP'D
03	ISSUED FOR CONSTRUCTION	10/05/10	ABZ	SLB
02	ISSUED FOR TENDER	05/06/09	ABZ	SLB
01	90% SUBMISSION	17/04/08	ABZ	SLB

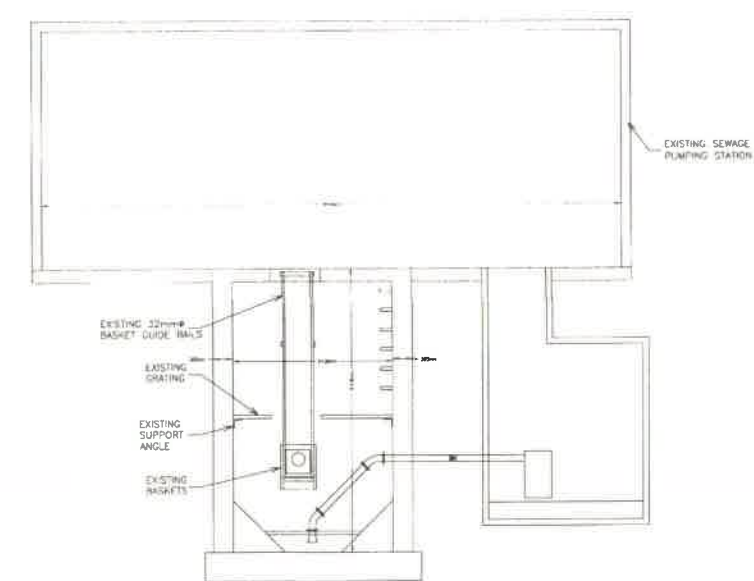


Trow Associates Inc.
154 Colonnade Road South
Ottawa, Ont. K2E 7J5
Tel: (613) 225-9940
Fax: (613) 225-7337

CLIENT	CITY OF IQALUIT	
PROJECT	LIFT STATION No. 2 MODIFICATIONS	
TITLE	HYDRAULIC PROFILE & PUMP CURVES	
Design by	ABZ	Project No. 07CD15365A
Drawn by	ABZ	Sheet No. P-1
Reviewed by	SLB	
Date	30/01/09	
Scale	N.T.S.	

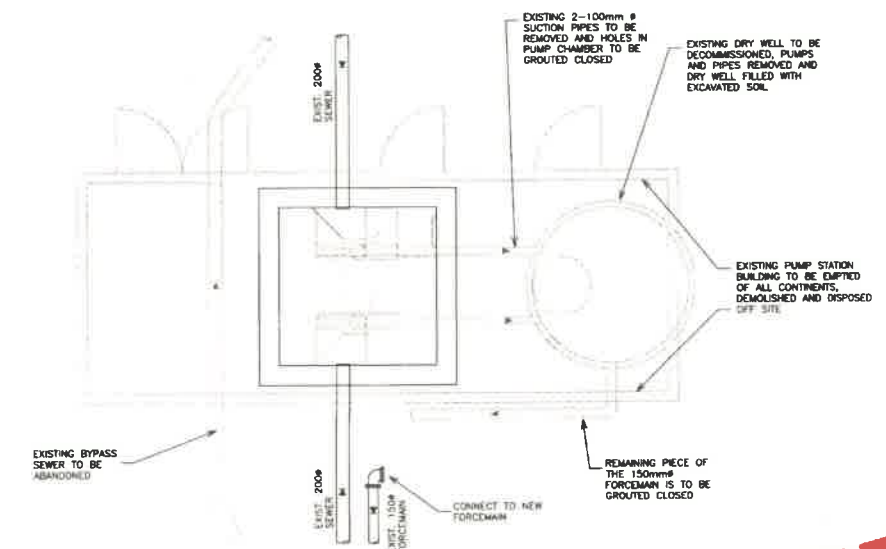


**EXISTING PUMPING STATION
PLAN VIEW**

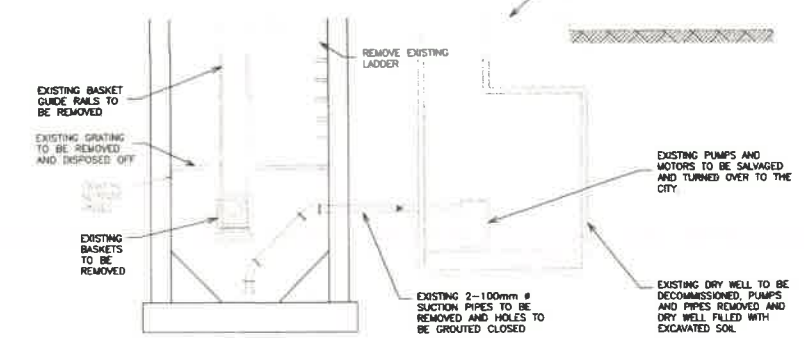


**EXISTING WET WELL
SECTION**

**EXISTING DRY WELL
SECTION**



AS BUILT
28-03-2011



**WET WELL
MODIFICATIONS**



LEGEND

PERMIT OF PRACTICE
TROW ASSOCIATES INC.
Signature: *[Signature]*
Date: *14.2.11*
PERMIT NUMBER P184
The Association of Professional Engineers
Ontologists and Geophysicists of the NWITNU

No	DESCRIPTION	DATE	BY	APP'D
03	ISSUED FOR CONSTRUCTION	10/05/10	ABZ	SLB
02	ISSUED FOR TENDER	05/06/09	ABZ	SLB
01	90% SUBMISSION	17/04/09	ADZ	SLB



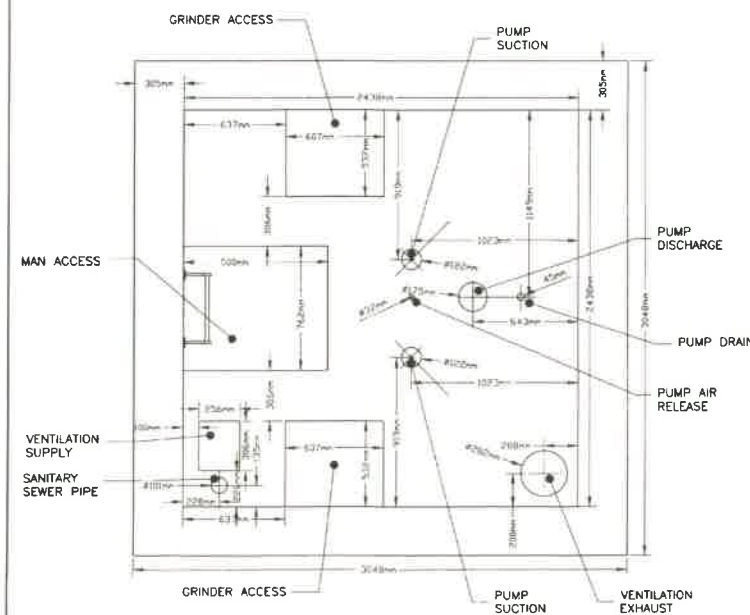
Trow Associates Inc.
154 Colonnade Road South
Ottawa, Ont. K2E 7J5
Tel: (613) 225-9940
Fax: (613) 225-7337

CITY OF IQALUIT

PROJECT
**LIFT STATION No. 2
MODIFICATIONS**

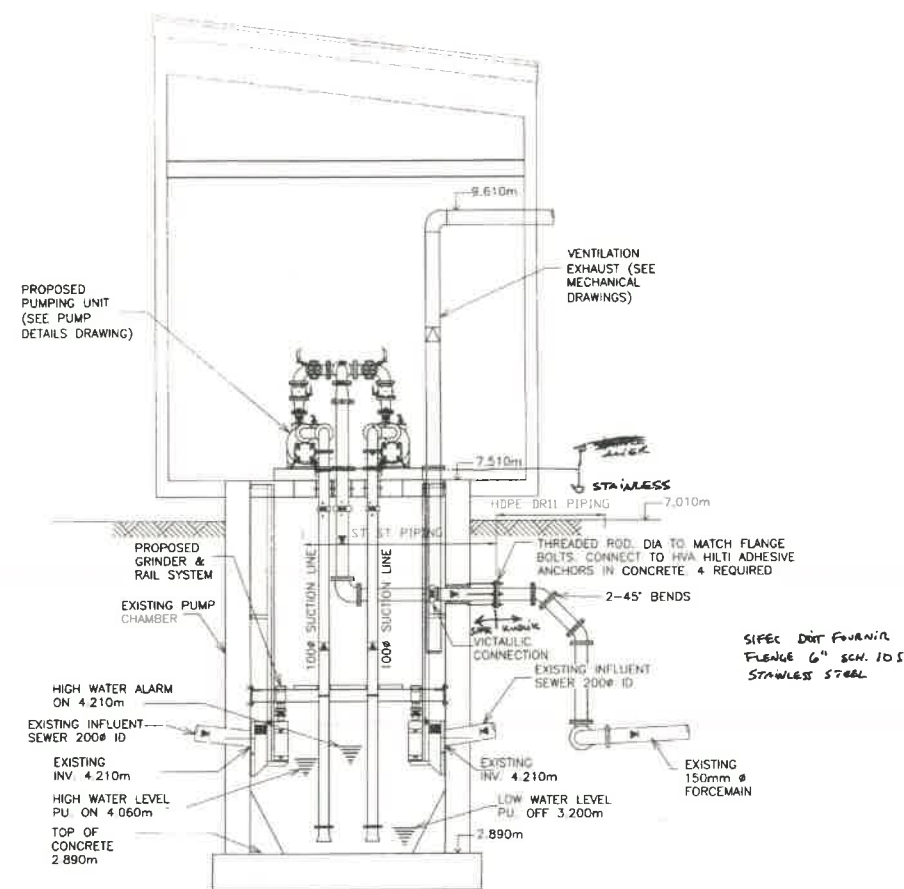
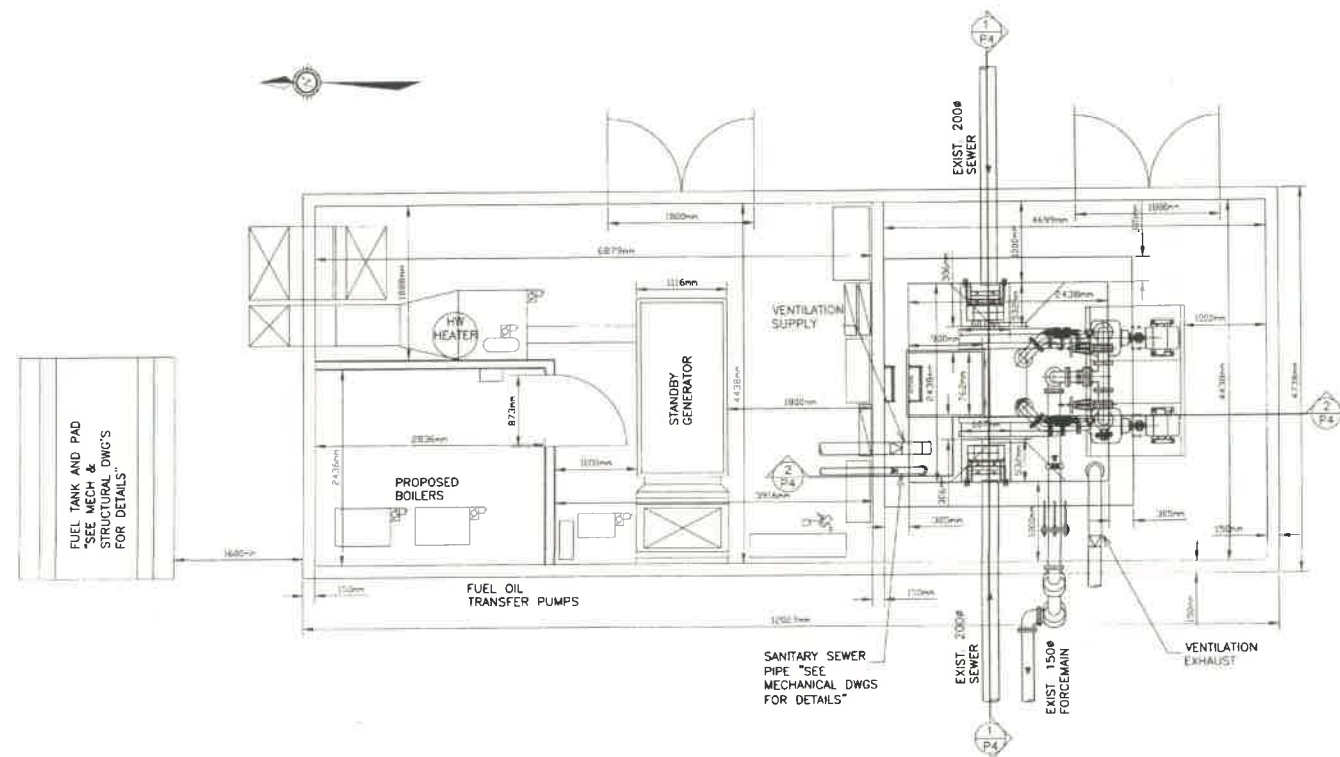
TITLE
DEMOLITION & MODIFICATIONS

Design by	ABZ	Project no.	OTCD19365A
Drawn by	ABZ		
Checked by	SLB		
Date	30/01/09		
Scale	HORIZ 1:50		

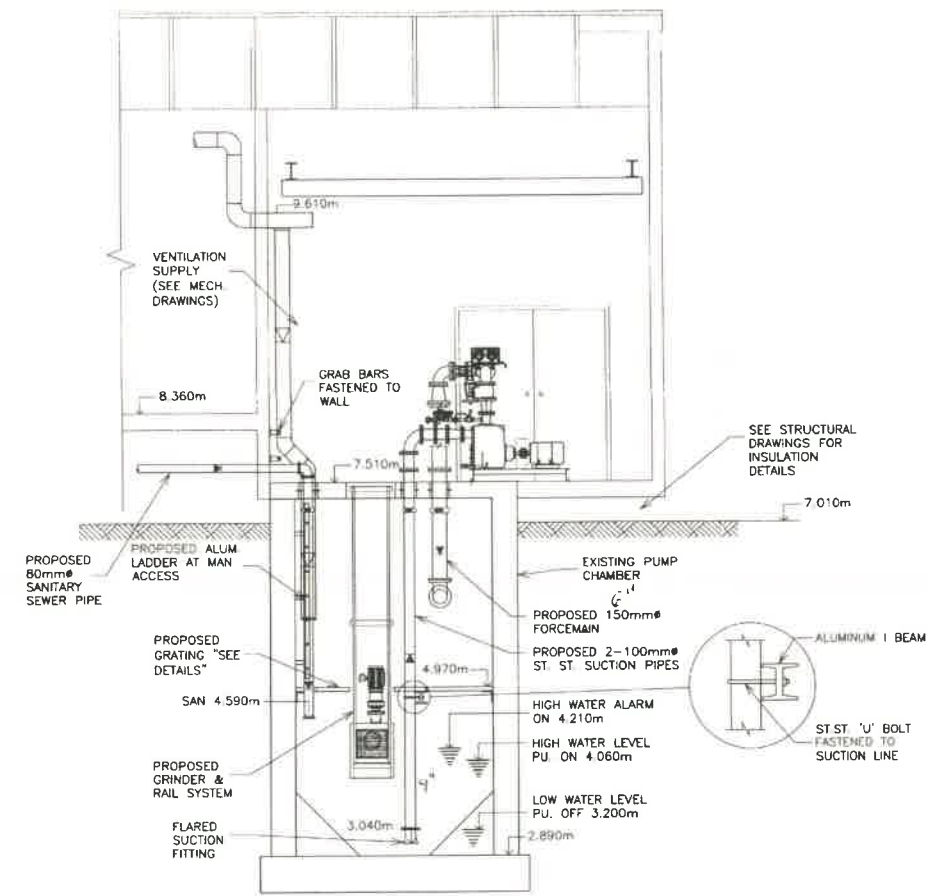


WET WELL COVER OPENINGS DIAGRAM

SCALE 1:20



SECTION 1-1



SECTION 2-2

Iqaluit



LEGEND

ALL PIPING INSIDE THE WET WELL AND PUMPING AREA IS TO BE STAINLESS STEEL 11 GAUGE 316 OR EQUAL

AS BUILT
28-03-2011

PERMIT OF PRACTICE
TROW ASSOCIATES INC.
Signature: *[Signature]*
Date: May 11, 2011
PERMIT NUMBER P184
The Association of Professional Engineers
Geologists and Geophysicists of the NWT/NU

NO.	DESCRIPTION	DATE	BY	APP'D
03	ISSUED FOR CONSTRUCTION	10/05/10	ABZ	SLB
02	ISSUED FOR TENDER	05/06/08	ABZ	SLB
01	REVISION	17/04/09	ABZ	SLB



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CITY OF IQALUIT

LIFT STATION No. 2
MODIFICATIONS

PLANS & SECTIONS

Project No.	ABZ	Project No.	OTCD19365A
Drawn By	ABZ	Quantity	
Checked By	SLB		
Date	30/01/09		
Scale	1:20		



1. ANCHOR TO BE $\phi 13\text{mm}$ STAINLESS STEEL, HILTI KWIK BOLT II EXPANSION ANCHORS OR APPROVED EQUAL, AISI 304 STAINLESS STEEL, MINIMUM EMBEDMENT 89mm.
2. CONTRACTOR SHALL GROUT OR SEAL GAPS BETWEEN FRAME AND WALL TO PREVENT ANY LARGE PARTICLES FROM PASSING.
3. ALL DIMENSIONS TO BE CONFIRMED TO ENSURE PROPER FIT.
4. APPROX FRAME WEIGHT 50kg
APPROX GUIDE RAIL WEIGHT 32kg
APPROX GRINDER WEIGHT 149kg
5. GUIDE RAIL, FRAME AND GUIDE PLATE TO BE 304-STAINLESS STEEL



GRINDER OVERVIEW

LEGEND

AS BUILT
28-03-2011

PERMIT OF PRACTICE
TROW ASSOCIATES INC.

Signature J. Trow

Date May 11, 2000

PERMIT NUMBER: P184

The Association of Professional Engineers
Geologists and Geophysicists of the N.E.

03	ISSUED FOR CONSTRUCTION	10/05/10	AB2
02	ISSUED FOR TENDER	05/06/09	AB2
01	NOTE SIGNIFICATION	17/04/08	AB2
No	DESCRIPTION	DATE	BY



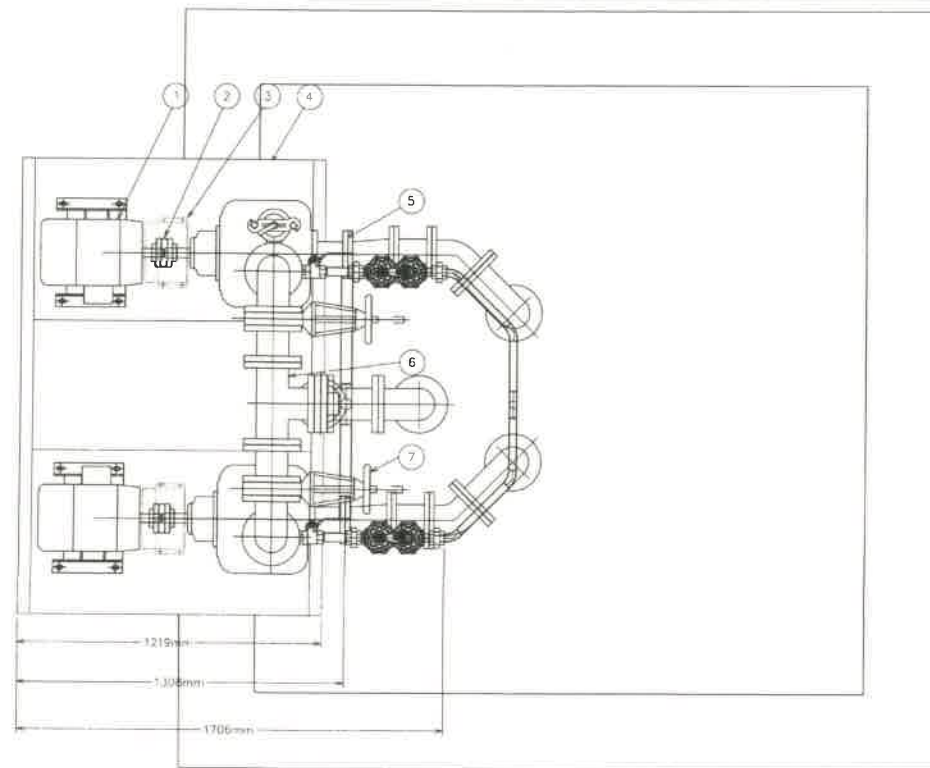
 **TROW Associates Inc.**
154 Colonnade Road South
Ottawa, Ont. K2E 7J5
Tel: (613) 225-9940
Fax: (613) 225-7337

CITY OF IQALUIT

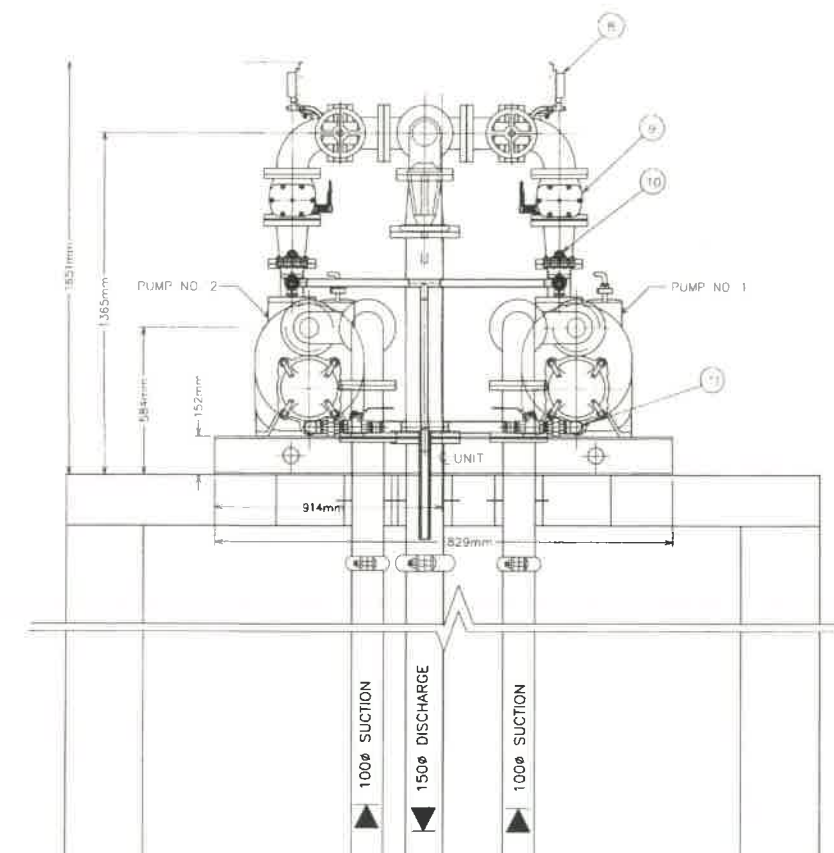
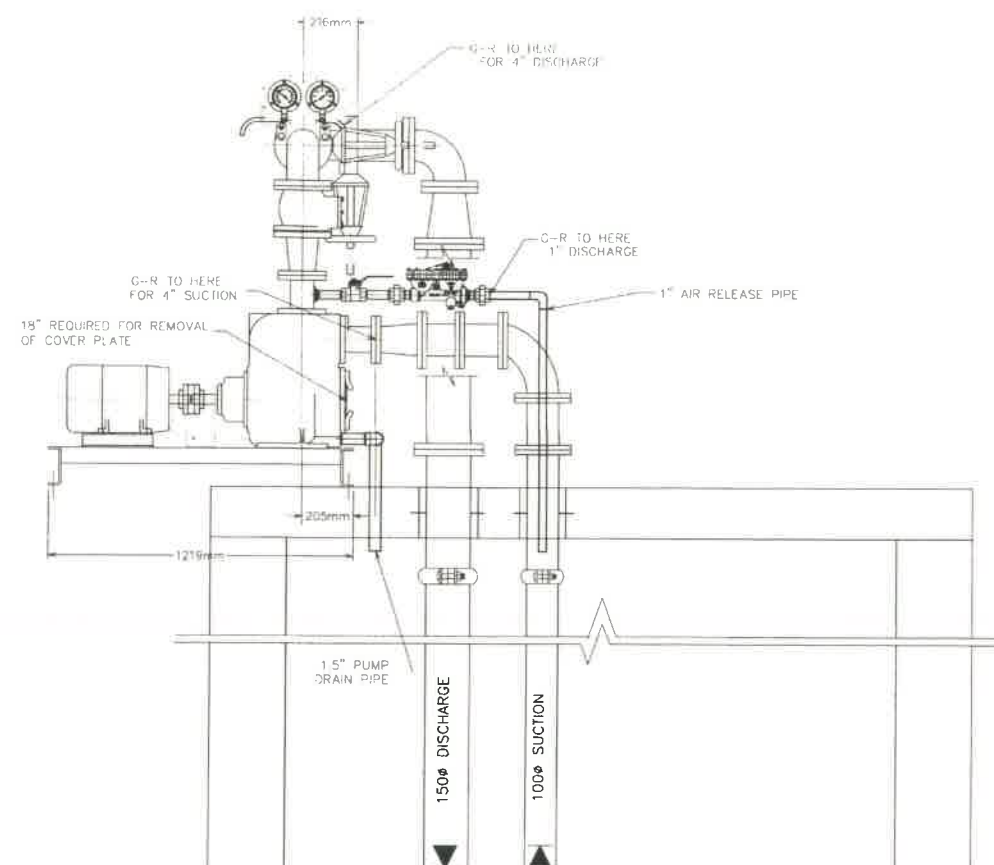
PROJECT
LIFT STATION No. 2
MODIFICATIONS

GRINDER DETAILS

designed by	ABZ	project no. OTCD1936 drawing no. P-4
designed by	ABZ	
checked by	SLB	
date	30/03/09	
scale	1:5	



ITEM	DESCRIPTION	MAT'L & SIZE
1	MOTOR	CAST IRON
2	FLEX COUPLING	
3	COUPLING GUARD ASSY	STEEL
4	STATION BASE ASSY	STEEL
5	PUMP	CAST IRON T3A3S-B
6	TEE	CAST IRON 4"
7	KNIFE GATE VALVE	CAST IRON 4"
8	GAUGE KIT	
9	CHECK VALVE	CAST IRON 4"
10	AIR RELEASE VALVE	GLASS-FILLED POLYESTER (SHIPPED LOOSE)
11	PUMP DRAIN ASSEMBLY	STAINLESS STEEL



GORMAN-RUPP T3A 3S-B LE STATION

Iqaluit



LEGEND

AS BUILT
28-03-2011

PERMIT OF PRACTICE
TROW ASSOCIATES INC.
Signature: *[Signature]*
Date: *May 11, 2011*
PERMIT NUMBER: P184
The Association of Professional Engineers
Geologists and Geophysicists of the NWT/NT

NO.	DESCRIPTION	DATE	BY	APP'D
03	ISSUED FOR CONSTRUCTION	10/05/10	ABZ	SLB
02	ISSUED FOR TENDER	05/06/03	ABZ	SLB
01	DATE SUBMISSION	17/04/09	ABZ	SLB



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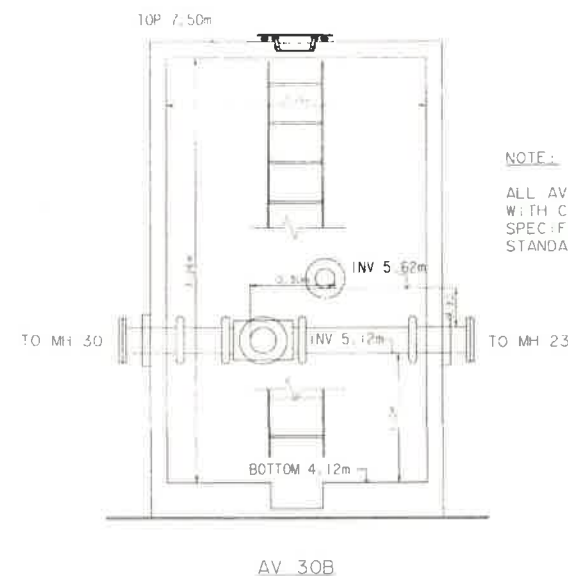
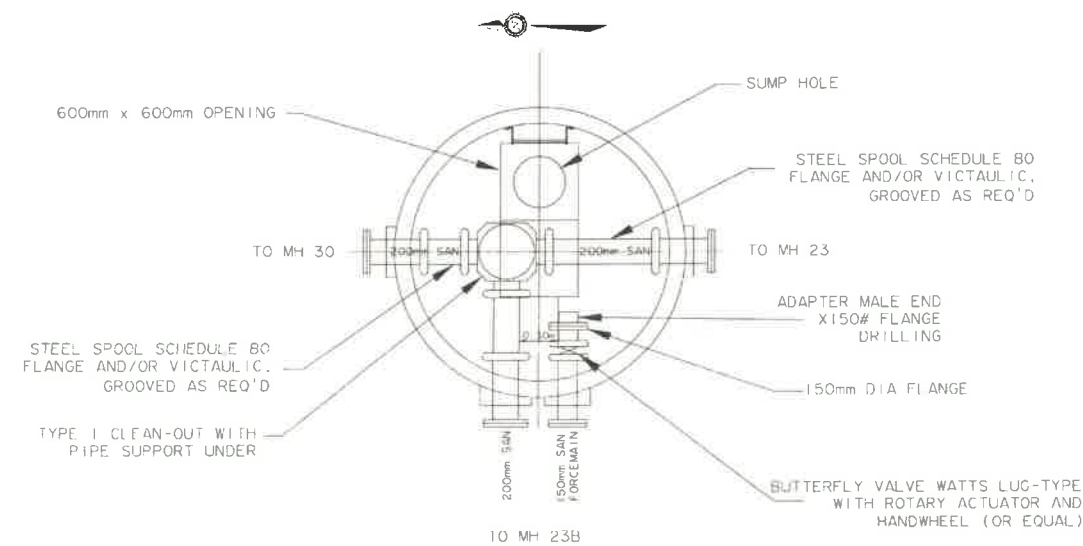
CITY OF IQALUIT

LIFT STATION No. 2
MODIFICATIONS

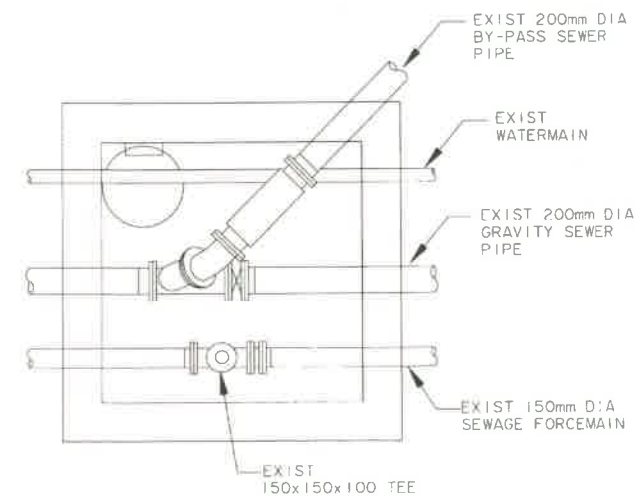
PUMP DETAILS

Design By	ABZ	Project No.	OTCD18365A
Drawn By	ABZ	Sheet No.	
Reviewed By	SLB		
Date	30/01/09		
Scale	1:1		

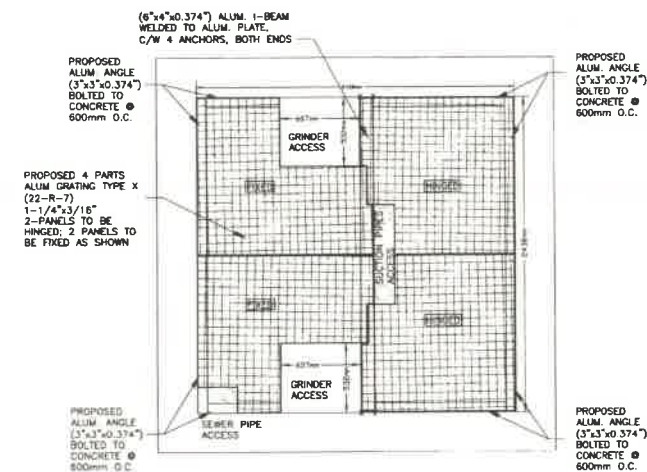
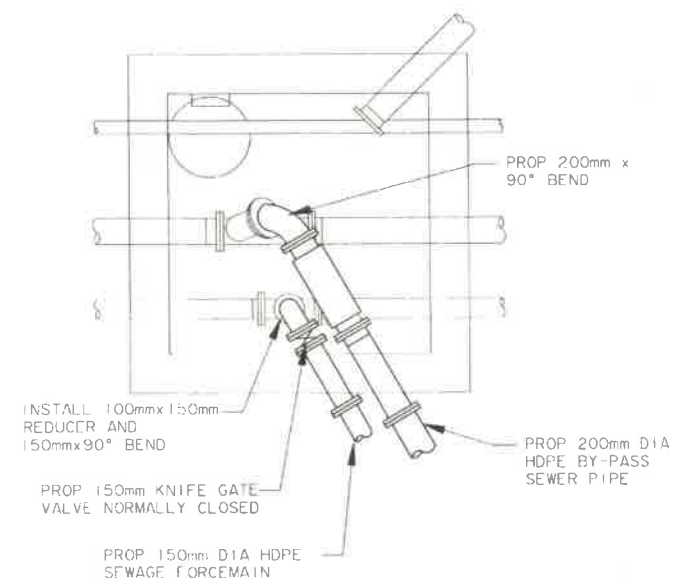
P-5



NOTE:
ALL AV PARTS TO CONFORM WITH CITY OF IQUALUIT SPECIFICATIONS AND STANDARD DETAILS



EXISTING MH 23B



WET WELL GRATING DETAILS

NOTE:
CONTRACTOR TO VERIFY DIMENSIONS OF WET WELL AT GRATING LOCATION



LEGEND

AS BUILT
28-03-2011

PERMIT OF PRACTICE
TROW ASSOCIATES INC.
Signature: *[Signature]*
Date: *28/03/2011*
PERMIT NUMBER: P184
The Association of Professional Engineers
Ontario and Geoscientists of the NWT/MU

No	DESCRIPTION	DATE	BY	APP'D
03	ISSUED FOR CONSTRUCTION	10/05/10	ABZ	SLB
02	ISSUED FOR TENDER	05/06/09	ABZ	SLB
01	FOR SUBMISSION	17/04/09	ABZ	SLB

REVISIONS



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CITY OF IQUALUIT

PROJECT
LIFT STATION No. 2
MODIFICATIONS

TITLE
PROCESS DETAILS

Design by	ABZ	Project No.	OTCD19365A
Drawn by	ABZ	Working No.	
Checked by	SLB		
Date	30/01/09		
Scale	1:1		