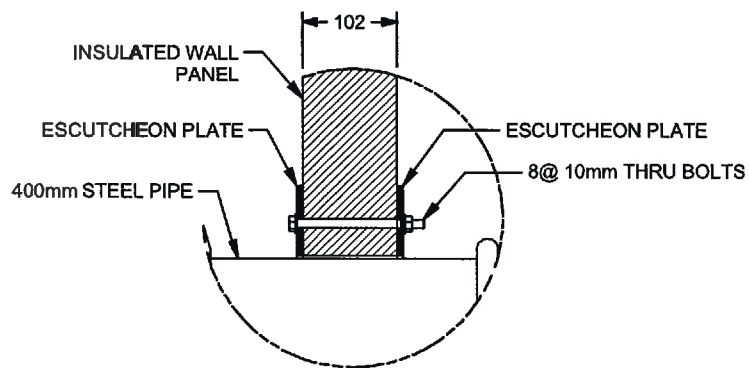
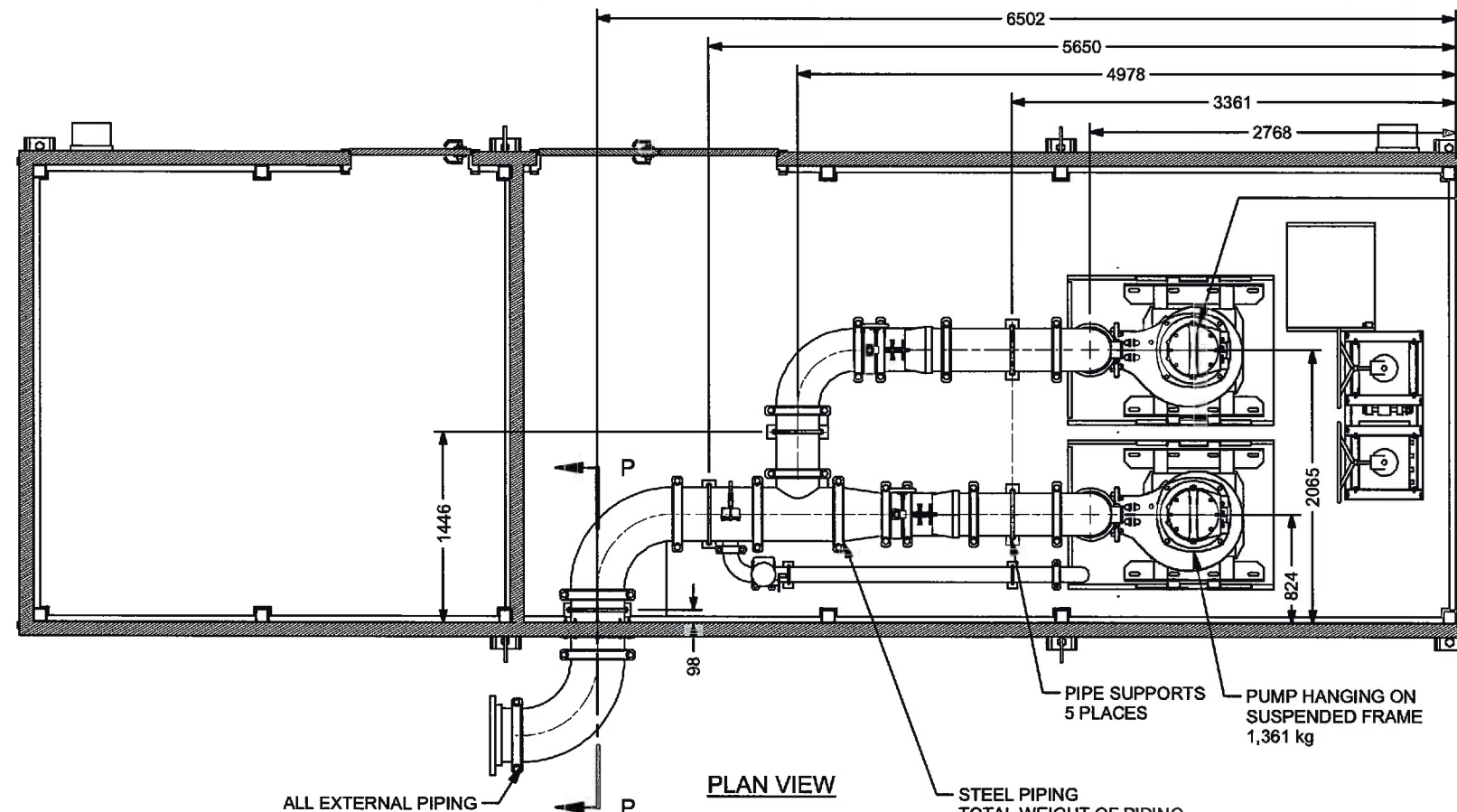
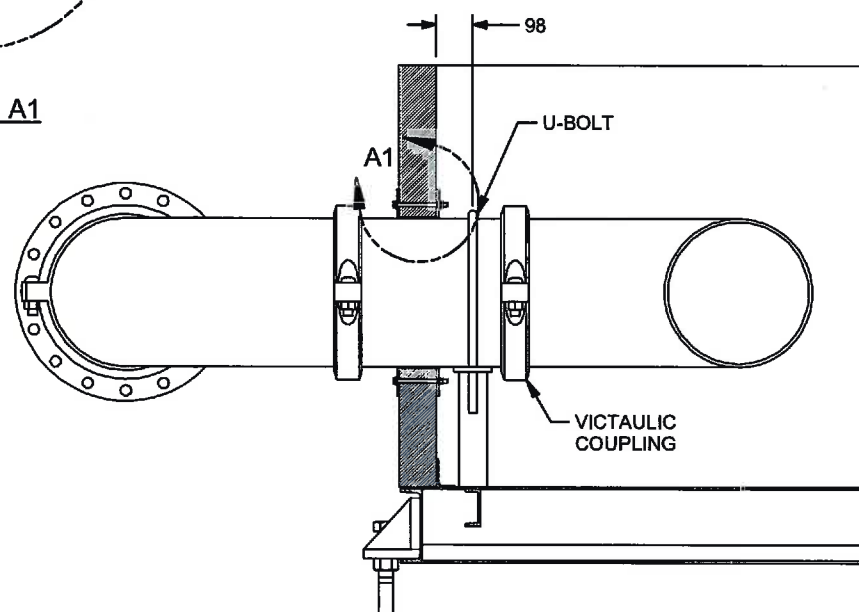


lang structural engineering inc.
 #201-2313 West Railway Street
 Abbotsford, BC V2S 2E3
 604 853-8522

DATE: APR 28/17 FILE: 117-039



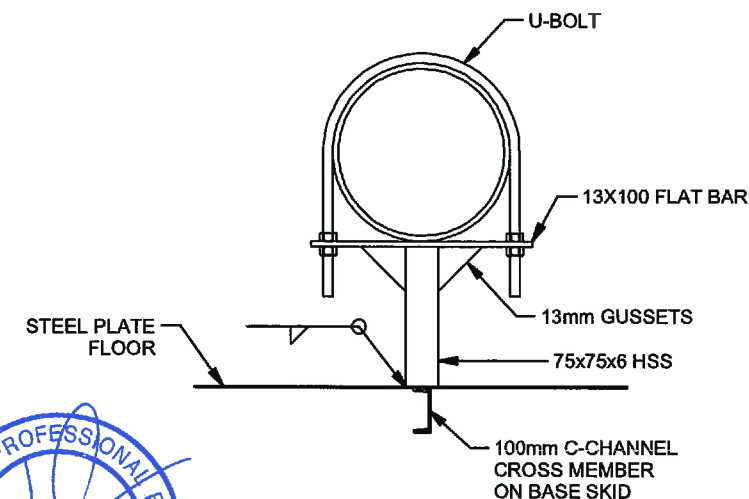
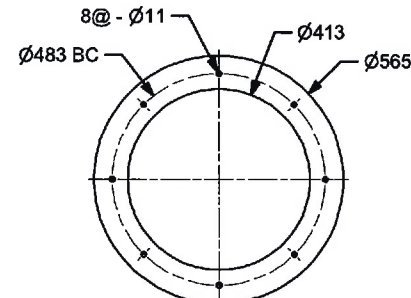
DETAIL A1



SECTION P-P
 WALL PENETRATION
 PIPE SUPPORT



ESCUTCHEON PLATE
 MATERIAL: 3mm SS PLATE



TYPICAL
 PIPE SUPPORT



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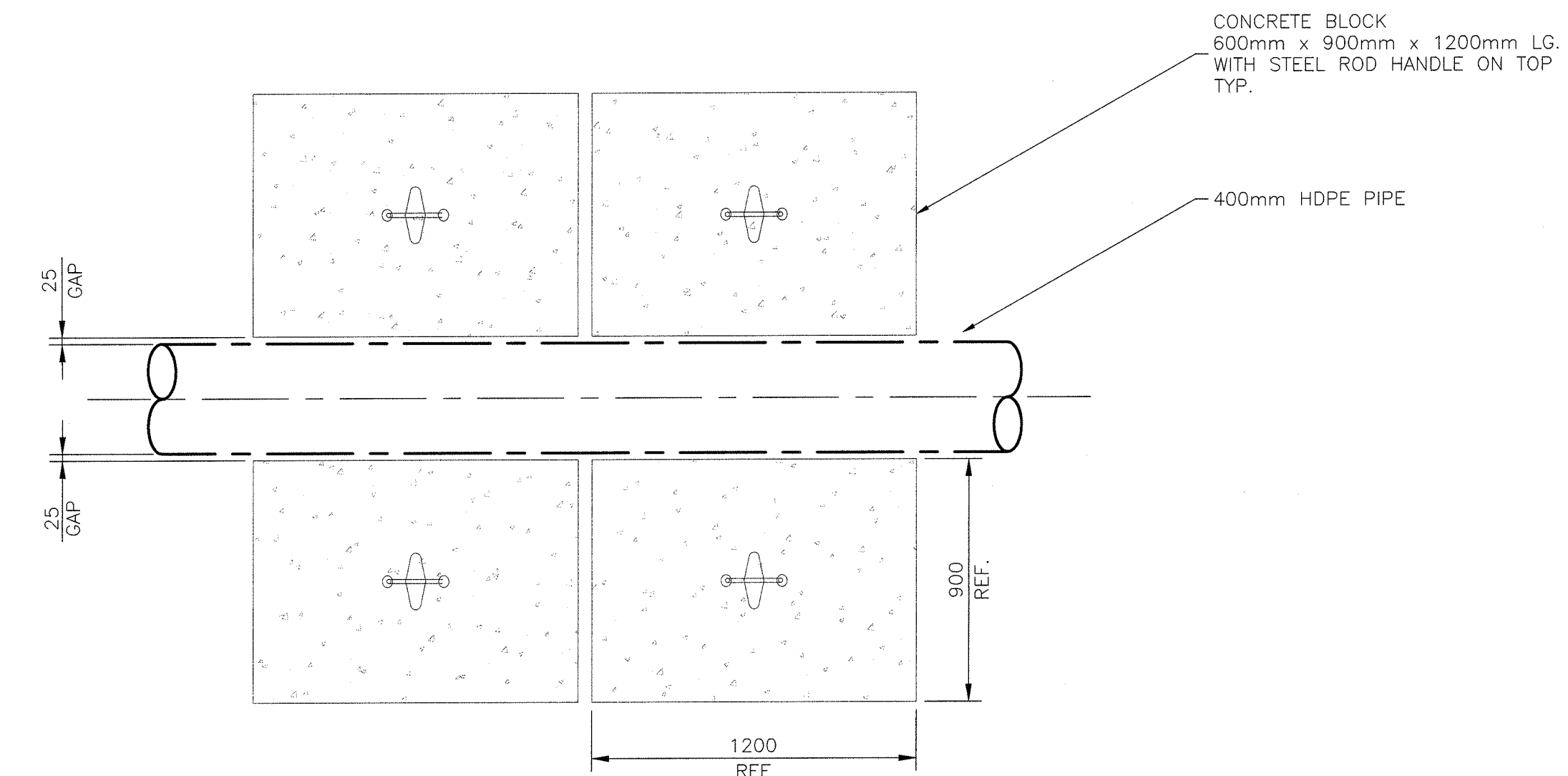
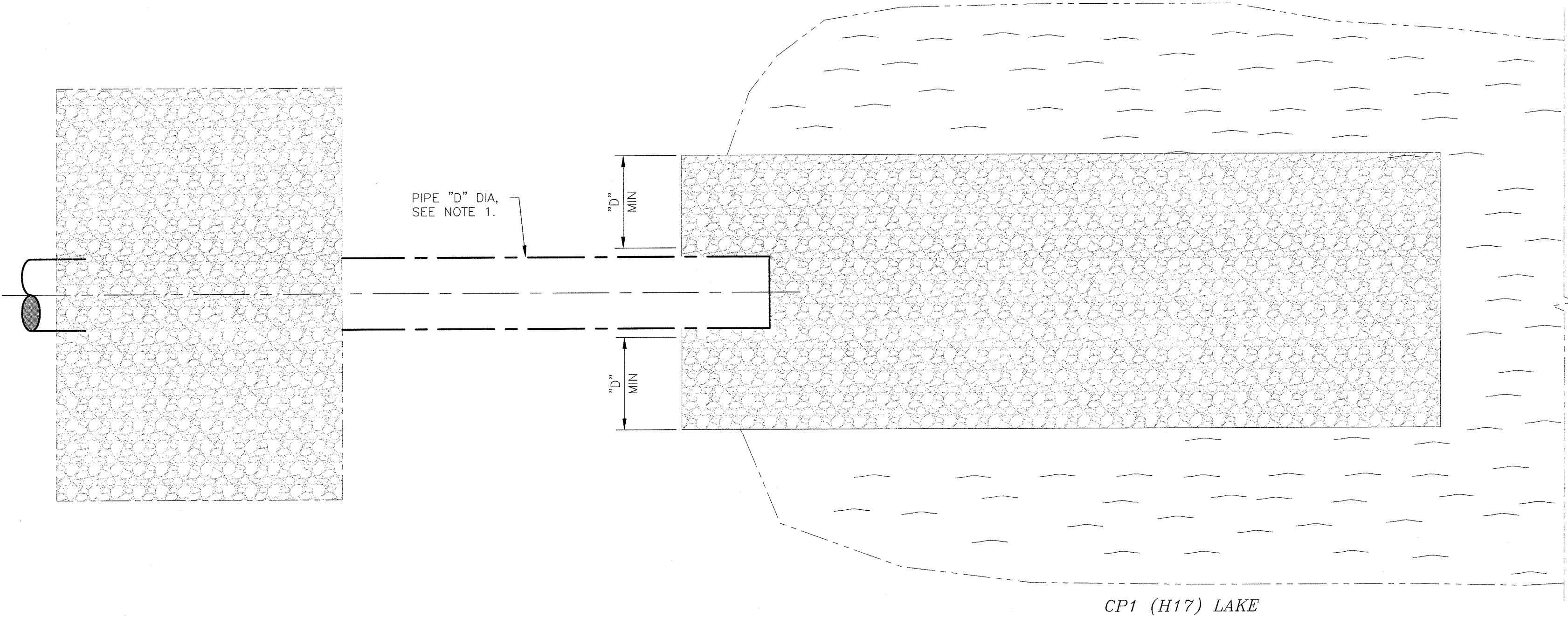
ISSUED FOR
 CONSTRUCTION

07	3/7/2017	ADDED LOADS ON LEVELING BRACKETS
06	3/7/2017	REVISED LEVELING BRACKETS
05	3/2/2017	REMOVED HOLES FOR VALVE BRACKETS
04	2/27/2017	ADDED PIPE SUPPORT CROSS CROSS MEMBERS, ISSUED FOR CONSTRUCTION
03	2/15/2017	REVISED PUMP HANGING DETAILS
02	2/9/2017	REVISED TROLLRY TRACK DESIGN
01	1/20/2017	ISSUED FOR APPROVAL
Issue	Date	App'd Revision Description

Design By: RS
 Drawn By: RS
 Checked By:
 Submitted:
 Approved:

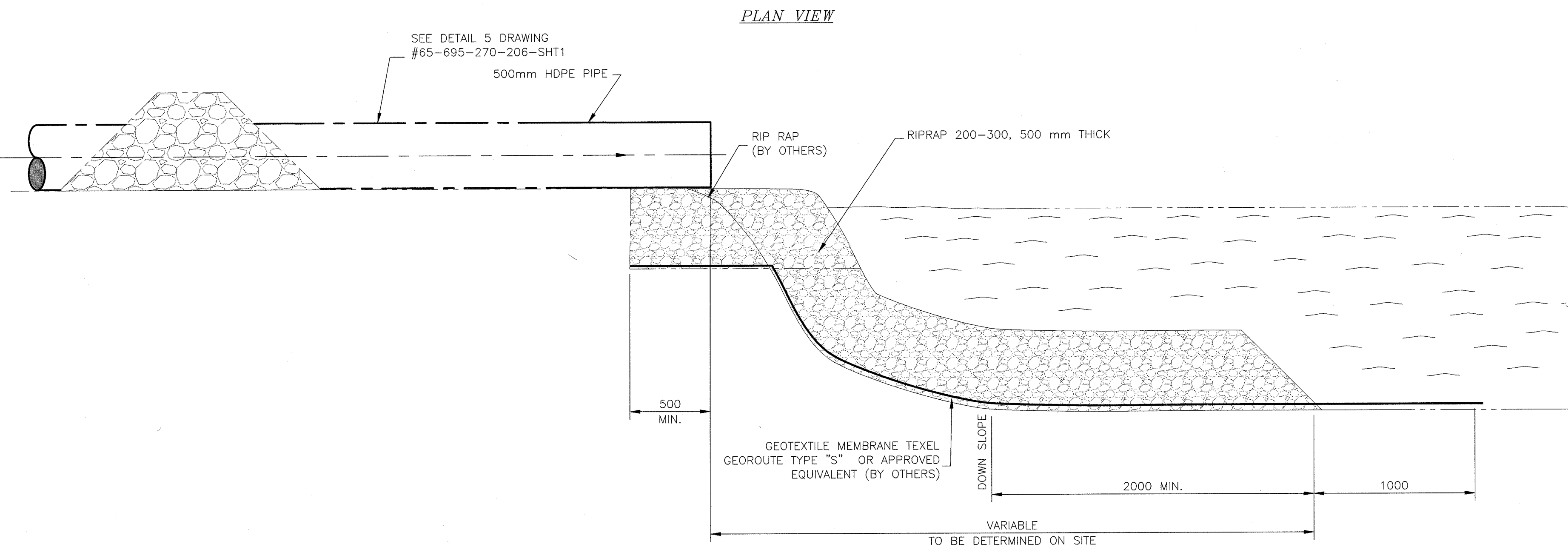
Client: AGNICO EAGLE MINES

Title: SKID FRAME	Scale:
Project: 6515-S-265-094	Date: 1/20/2017
PERMANENT PUMPING STATIONS CP-1 & CP-5	Sheet: 17 of 19
Drawing #: 2898-M-102	Rev: 07

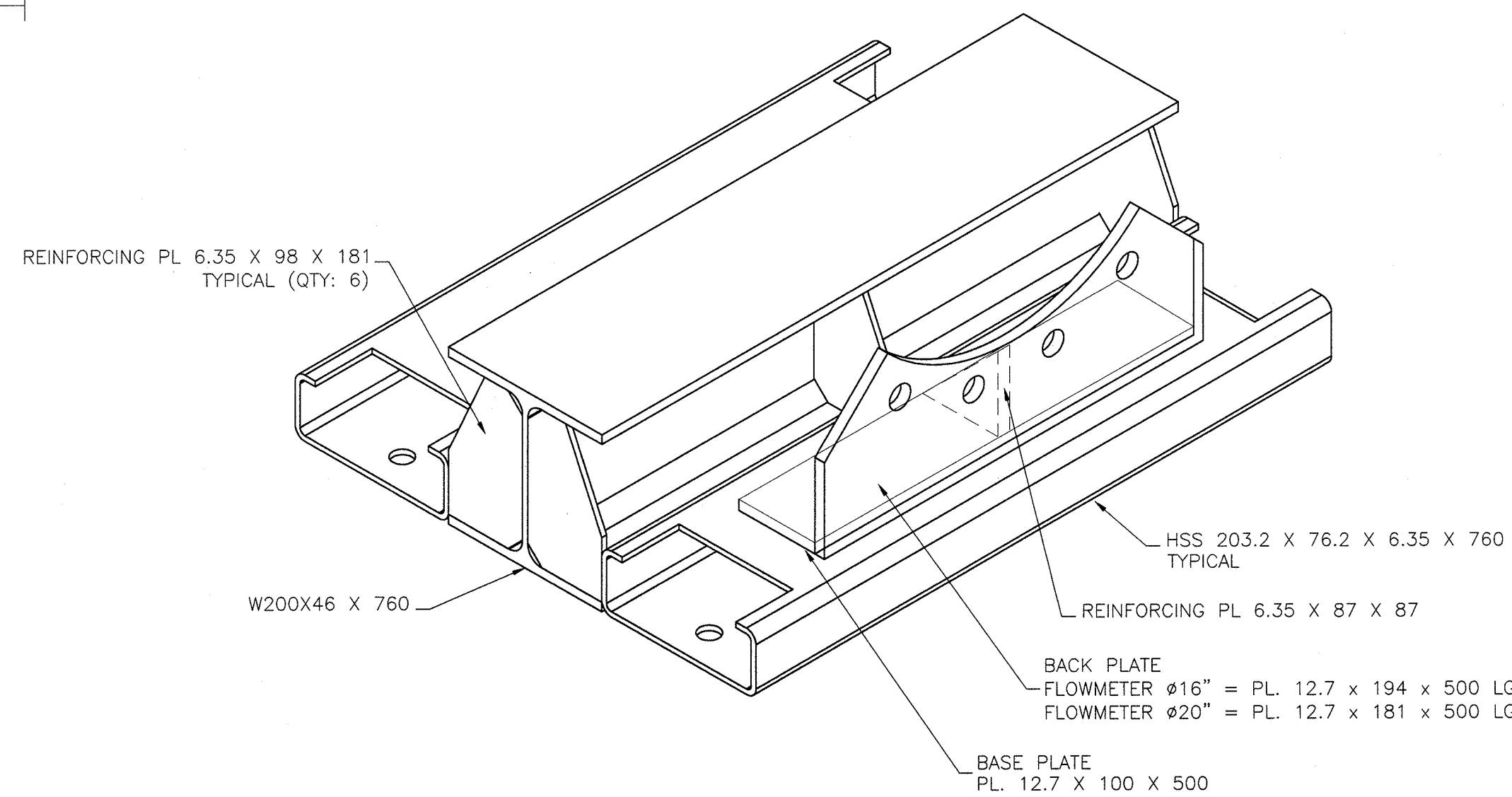


CONCRETE BLOCK (GUIDE) - PIPELINE FWTP TO MELIADINE LAKE OUTFALL
AT 3+965

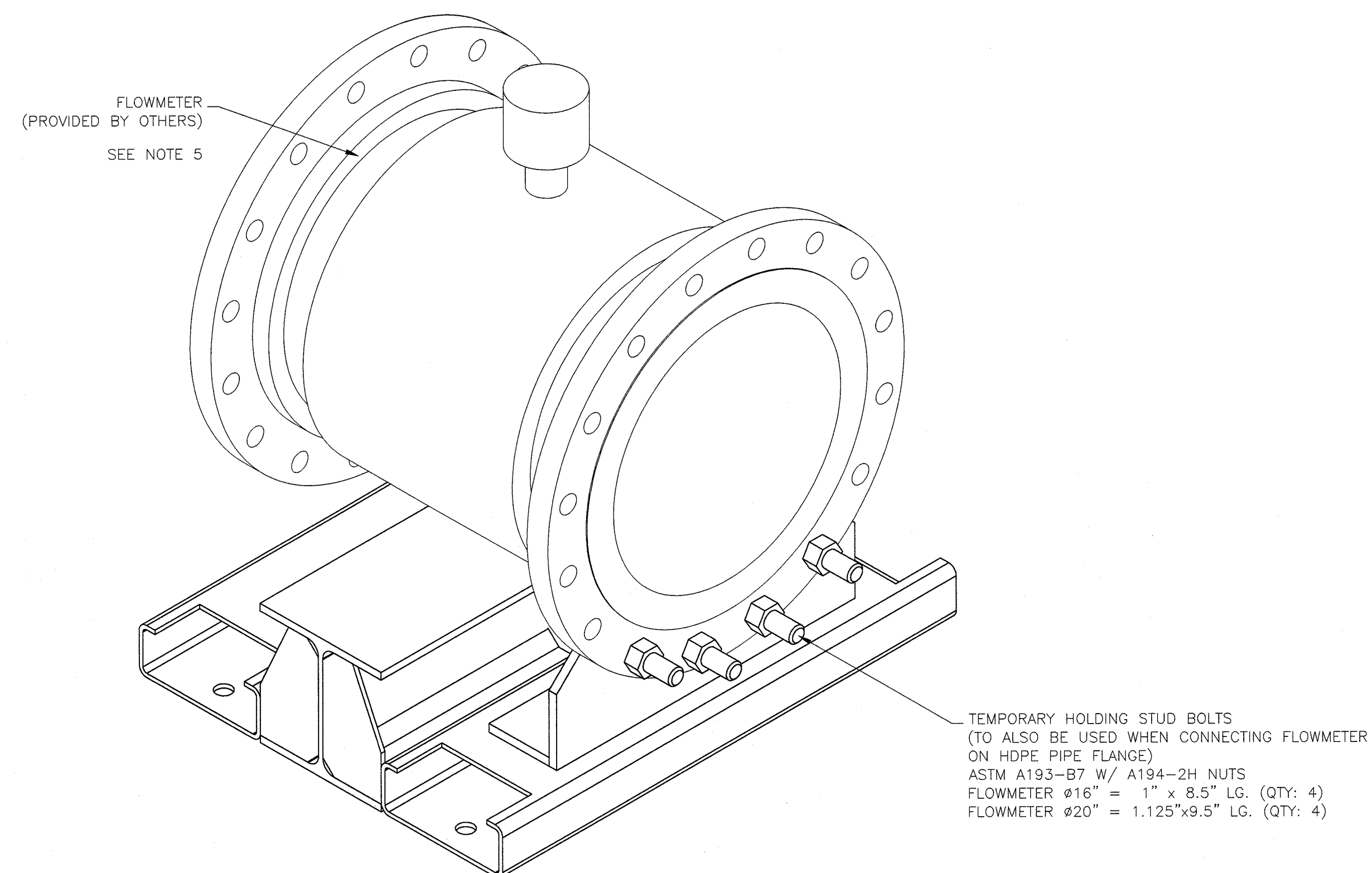
DETAIL
SCALE: 1:20
QTY: 2



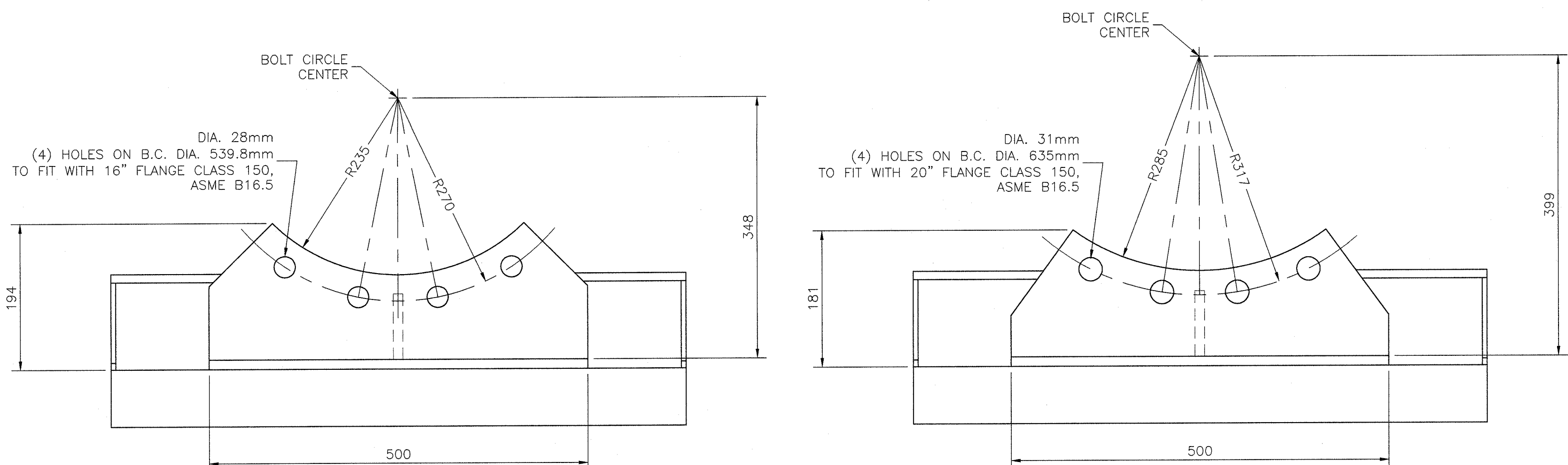
ELEVATION
TYPICAL DISCHARGE RIPRAP (CP1)
DETAIL
SCALE: 1:20
QTY: N/A



ISOMETRIC VIEW
N.T.S.



ISOMETRIC VIEW (WITH FLOWMETER)
N.T.S.



#16" FLOWMETER- HOLDING PLATE DETAIL
FLOWMETER SKID (PROVIDED BY OTHERS) QTY: 1

#20" FLOWMETER- HOLDING PLATE DETAIL
FLOWMETER SKID (PROVIDED BY OTHERS) QTY: 2

DETAIL
SCALE: 1:5
QTY: 3

PLAN / CE
KEY PLAN

NOTES GÉNÉRALES / GENERAL NOTES

- SEE PIPELINE DRAWING FOR DIAMETER "D".
- FLOWMETERS AND SKIDS BY OTHERS.
- FLOWMETERS MUST BE INSTALLED ON PIPELINE WITH A MINIMUM STRAIGHT LENGTH OF PIPE EQUAL TO NO LESS THAN 5X THE NOMINAL DIAMETER UPSTREAM AND 2X THE NOMINAL DIAMETER DOWNSTREAM.

PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
OIA TETRA TECH
Signature: *[Signature]*
Date: 2017-06-22
PERMIT NUMBER: P-1029
NTNU Association of Professional
Engineers and Geoscientists

PROFESSIONAL
ENGINEER
LICENSEE
14432
2017/06/22

PROFESSIONAL
ENGINEER
LICENSEE
14432
2017/06/22

POUR CONSTRUCTION
FOR CONSTRUCTION
DATE: 2017/06/22
AGNICO EAGLE

INFORMATION: L'INFORMANT A LA PROPRÉTÉ DE L'AGNICO EAGLE LTD. ET NE PAS ÊTRE REPRODUIT, SAUF AVEC L'AUTORISATION ÉCRITE DE L'AGNICO EAGLE LTD. L'INFORMANT A LA PROPRÉTÉ DE L'AGNICO EAGLE LTD. ET NE PAS ÊTRE REPRODUIT, SAUF AVEC L'AUTORISATION ÉCRITE DE L'AGNICO EAGLE LTD.

DESIGNS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITLE / TITRE	# DWG

AGNICO EAGLE

REV	DATE	DESCRIPTION	BY	APP.	CLIENT
2	2017/06/22	FOR CONSTRUCTION	S.G.	O.B.	N.M./B.A.
1	2017/06/22	FOR TENDER (CONSTRUCTION)	S.G.	O.B.	N.M./B.A.
0	2016/11/30	FOR TENDER (SUPPLY)	M.T.	M.R.	N.M./B.A.

REVISIONS

TETRA TECH
PROJECT No. E14103230 | FORMER No. 65-695-270-206-2

TITLE / TITRE
AGNICO EAGLE - MELIADINE
WATER MANAGEMENT
HDPE PIPELINES
TYPICAL DETAILS

DESIGNÉ PAR DRAWN BY	MARIO T.	DATE 2016/10/21
VÉRIFIÉ PAR CHECKED BY <td>BENOIT T.<td>2017/06/22</td></td>	BENOIT T. <td>2017/06/22</td>	2017/06/22
APPROUVÉ PAR APPROVED BY <td>ORPHE B.<td>2017/06/22</td></td>	ORPHE B. <td>2017/06/22</td>	2017/06/22

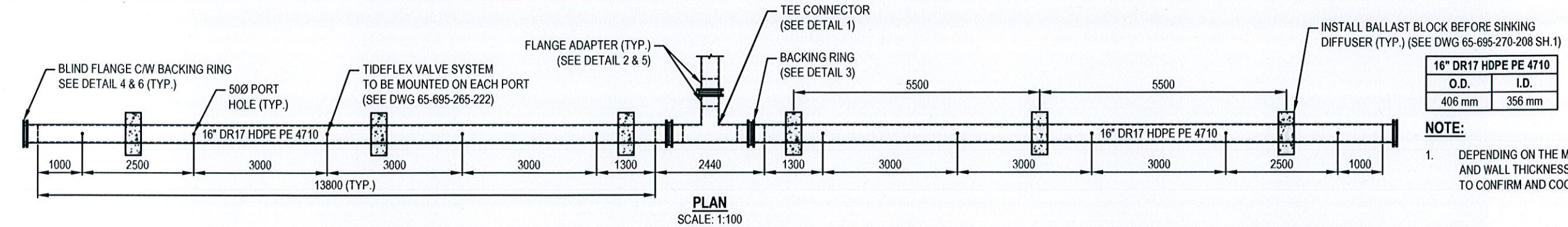
ÉCHELLE
SCALE

SHOWN

DATE
2017/06/22

NO. DESIN
DRAWING NO.
65-695-270-206

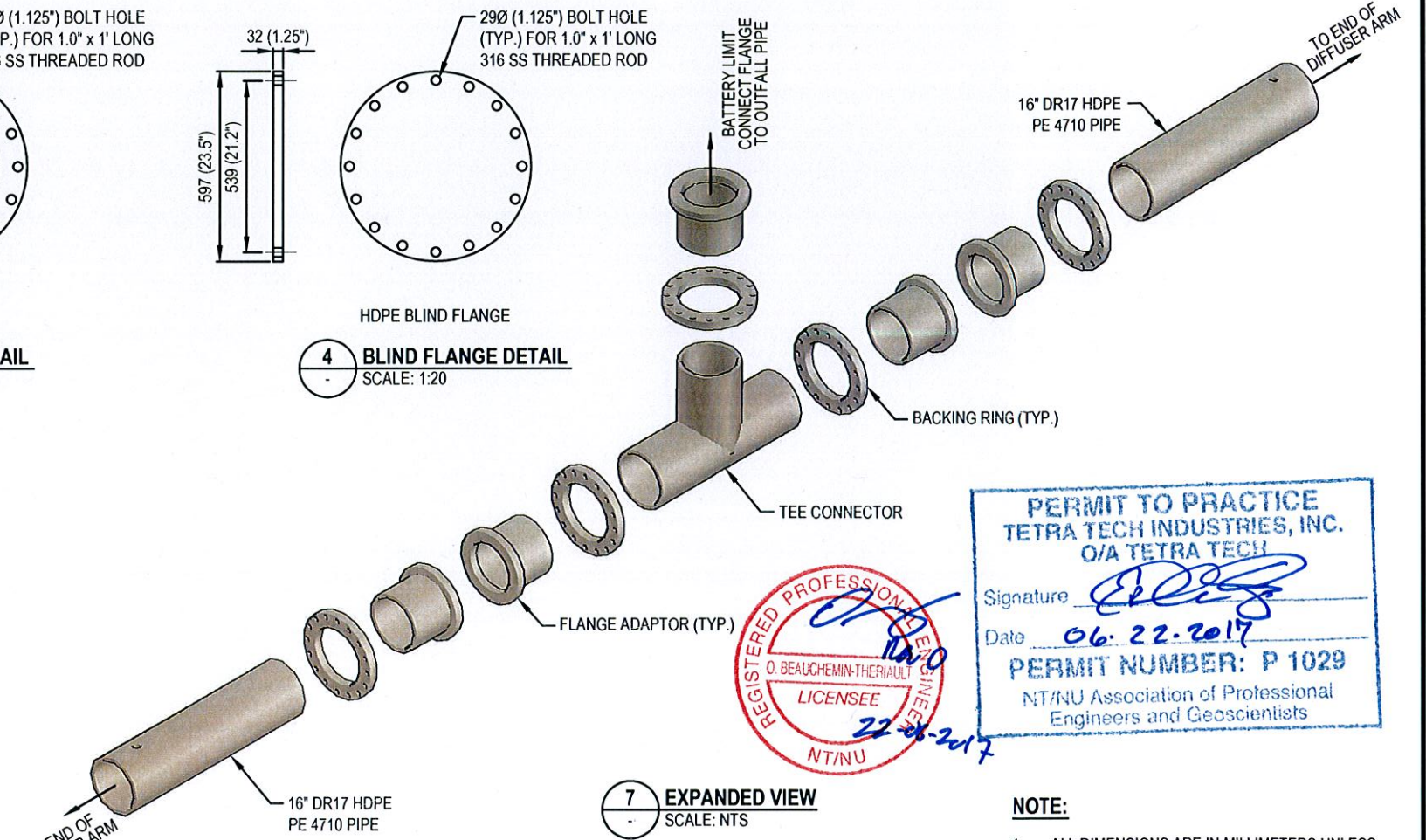
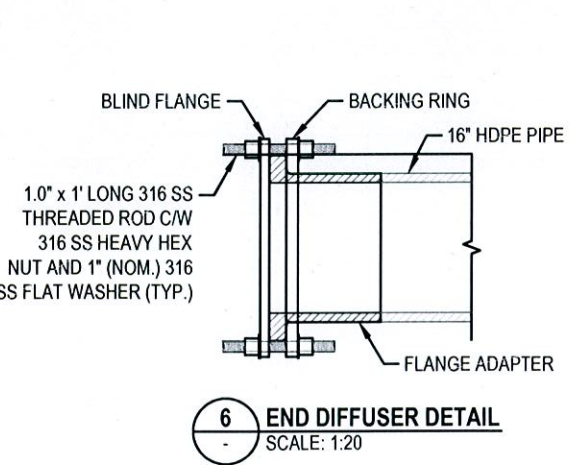
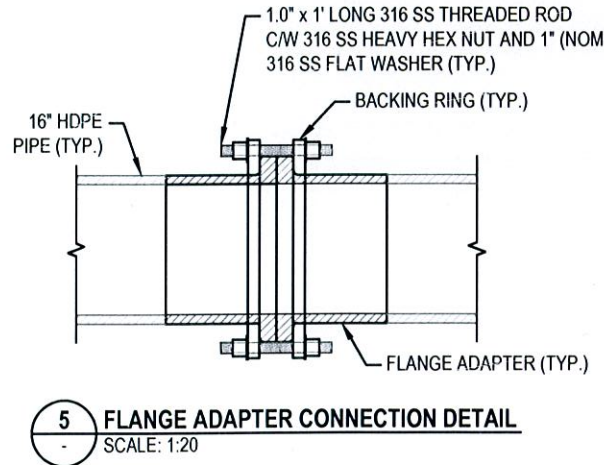
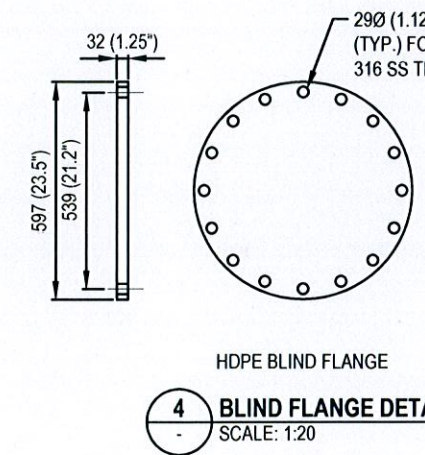
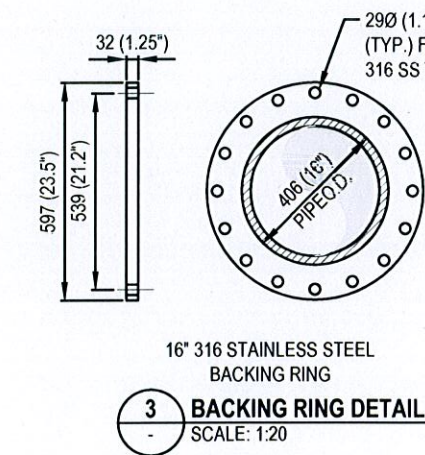
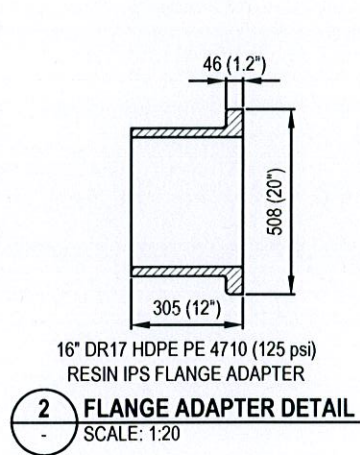
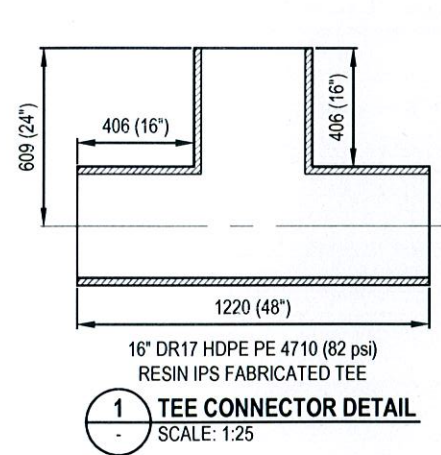
NO. PROJET PROJECT NO.	REVISION	FEUILLE / SHEET
6515-C-265-016	2	2 / 4



16" DR17 HDPE PE 4710	
O.D.	I.D.
406 mm	356 mm

NOTE:

1. DEPENDING ON THE MANUFACTURER, THE PIPE DIAMETER AND WALL THICKNESS MAY VARY SLIGHTLY. CONTRACTOR TO CONFIRM AND COORDINATE SUPPLY AND INSTALLATION.



PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH
Signature: *[Signature]*
Date: 06.22.2017
PERMIT NUMBER: P 1029
NT/NU Association of Professional Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
O. BEAUCHEMIN-THERIAULT
LICENSEE
NT/NU
22-08-2017

NOTE:

1. A 1.7 kg SACRIFICIAL MAGNESIUM ANODE SHALL BE INSTALLED ON EACH BACKING RING ON ONE OF THE RODS.

NOTE:

1. A 1.7 kg SACRIFICIAL MAGNESIUM ANODE SHALL BE INSTALLED ON EACH BACKING RING ON ONE OF THE RODS.

NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

ISSUED FOR CONSTRUCTION

TITRE / TITLE	# DWG	REV	DESCRIPTION	DATE	PAR BY
DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS					
		0	ISSUED FOR CONSTRUCTION	06/22/2017	JDM

AGNICO EAGLE

PROFESSIONAL ENGINEER
J. STRONACH
2017

DESIGNÉ PAR	JDM	DATE	6/22/2017
VÉRIFIÉ PAR	AH	DATE	6/22/2017
APPROUVÉ PAR	JAS	DATE	6/22/2017
No. PROJET	6515-C-265-016		
DATE	June 22, 2017		

TITRE / TITLE	AGNICO EAGLE - DIVISION
	PLAN AND DETAILS FOR DIFFUSER DESIGN
ÉCHELLE / SCALE	AS SHOWN
PROJET / FILE	.DWG
No. DESSIN / DRAWING NO.	65-695-265-221
REVISION	0
FEUILLE / SHEET	1 / 2

SHOP DRAWING REVIEW

Shop Drawing #.	TTS-41794 Rev A issued on May 9 2017
Tetra Tech Project No.	704-E14103230
Project Name:	Meliadine Gold Diffuser Design
Discipline:	Pipe/Hydrodynamic
Manufacturer:	Tideflex Technologies, Red Valve Company
Subject:	Diffuser Tideflex Valve

SHOP DRAWING REVIEW

Review is for conformity to the design concept and for general arrangement only and does not relieve the Contractor of his/her responsibility for errors or omissions in these shop drawings or of any responsibility for meeting all requirements of the Contract Documents. Deviations or changes from the Contract Documents are not accepted.

X

No exceptions taken, except as noted.

Check notations and resubmit for review.

No exceptions taken.

Rejected – See remarks.

By

J.A.Stonach and A.Hospital

Date

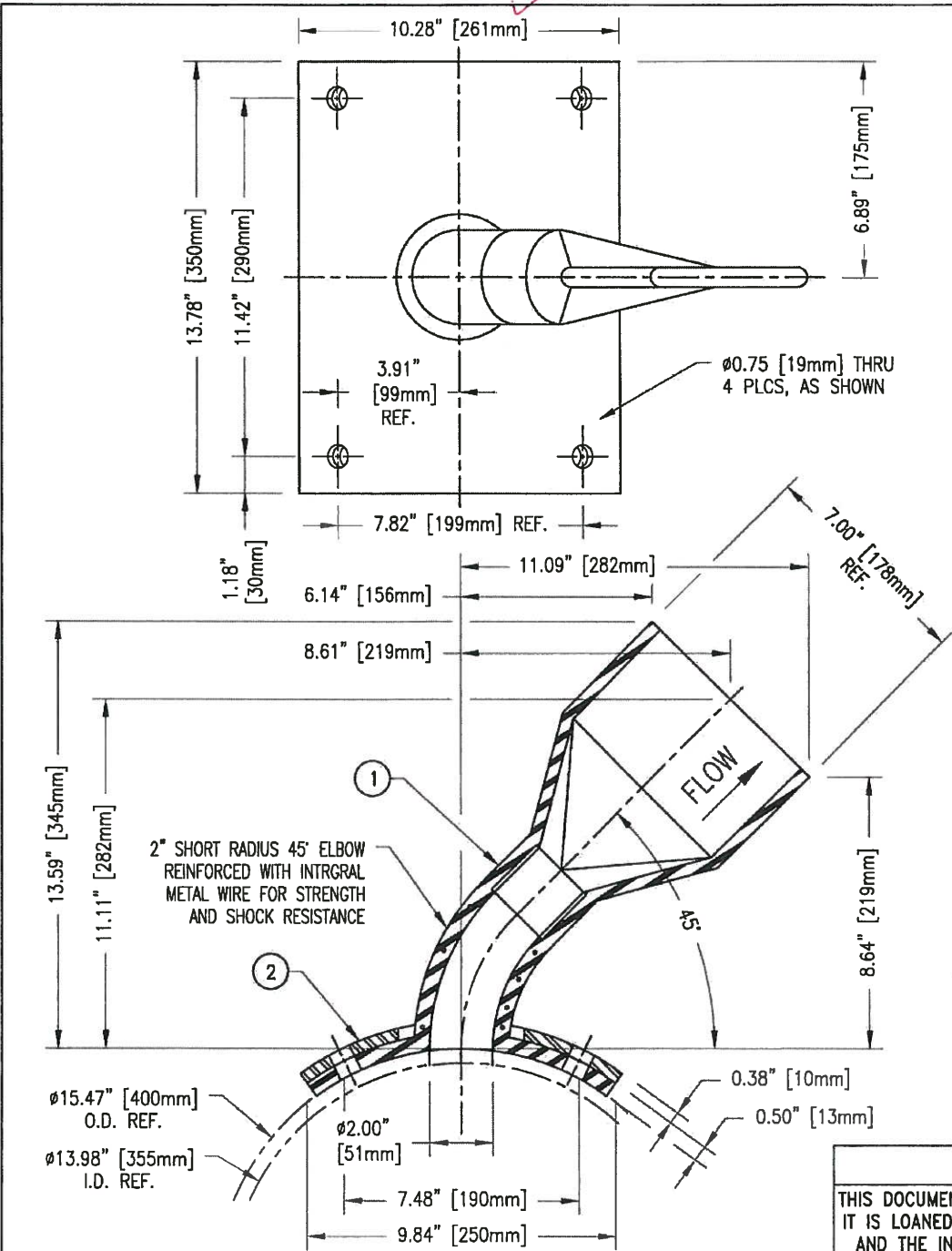
May 15, 2017

TETRA TECH

Supplied document had 1 page.

Remarks: Approved

1) One note added in the notes section to clarify the dimensions of the plate on the top left drawing.

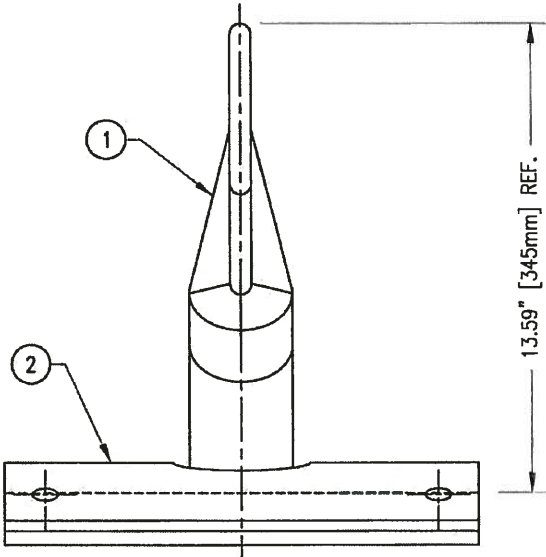


ITEM	QTY.	DESCRIPTION	MAT'L
1	1	WIDE BILL TIDEFLEX DIFFUSER	NEOPRENE
2	1	FLANGE BACK-UP PLATE	316 S/STEEL

NOTES:
1. MAXIMUM BACK PRESSURE: SEE HYDRAULIC CODE
ENTER 0 IF PRESSURE IN HEADER CANNOT DROP BELOW
PRESSURE PRODUCED BY THE RECEIVING BODY OF WATER

2. Top left drawing shows plate dimensions before
shaping to pipe curvature.

PROJECT: MELIADINE LAKE OUTFALL DIFFUSER
QUANTITY: 12
HYDRAULIC CODE No: 30



CUSTOMER APPROVAL
SIGNED *[Signature]* DATE *May 15, 2017*

OPPORTUNITY No: 56044

SALES ORDER No:

Tideflex
Technologies
A Division of Red Valve Company, Inc.

600 N. BELL AVE.
CARNEGIE, PA. 15106
info@tideflex.com
412.279.0044
fax 412.279.5410

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CUSTOMER: LAURENTIDE CONTROLS
ORDER No: P10768 REV 0

TT PRODUCT: 2" SER. 35W DIFFUSER W/45° ELBOW, CURVED REC. FLG.

TT PART No: 35W-020-APPROVAL

DR. BY: TLM DATE: 5-9-17

CHKD. BY: *[Signature]* DATE: *May 17*

CAD SCALE: FULL

PLOT SCALE: 1 = 1

DWG No: TTS-41794

REV
A