

**TRANSMITTAL SHEET**

TO: All Bidders

DATE: February 25, 2025

TOTAL NUMBER OF PAGES (INCLUDING COVER PAGE): 7

FROM: Greg Moran TEL. #: (506) 650-0292  
*Utilities & Infrastructure Services*

IF YOU DID NOT RECEIVE ALL PAGES, OR FURTHER INFORMATION IS REQUIRED,  
PLEASE CONTACT THE SENDER

**MESSAGE:**

**TENDER NO: 2024-09**

**Lancaster WWTF Aeration System Renewal**

Please find attached a copy of Addendum #3 for the above tender.

As of March 2021, please be advised that an *Acknowledgement Form* (historically sent as part of the City's addendum packages) confirming receipt of an Addendum is **no longer** included in the addendum package.

However, in accordance with Section 2.5.03 of the City's General Specifications, it remains a requirement that **each Addendum** will contain a signature page(s) which each Tenderer is **required to sign and include with its Tender submission.**



**UTILITIES & INFRASTRUCTURE SERVICES**  
Engineering Services  
175 Rothesay Avenue  
Saint John, NB, E2J 2B4

## **ADDENDUM**

**PROJECT TITLE:**

**LANCASTER WWTF AERATION SYSTEM RENEWAL**

**ADDENDUM NO:** 3

**DATE:** FEBRUARY 25, 2025

**PAGE:** 1 **OF** 6

**TENDER NO:** 2024-09

MAKE THE FOLLOWING MODIFICATIONS TO THE ABOVE PROJECT. INCLUDE IN THE AMOUNT OF THE TENDER ANY ADDITIONS TO OR DEDUCTIONS FROM THE COST OF THE WORK BY REASON OF THESE INSTRUCTIONS. THE DATE FOR RECEIVING TENDERS IS EXTENDED TO **2:30:00PM, TUESDAY, MARCH 04, 2025.**

### **ADJUSTMENTS TO THE SPECIFICATIONS**

#### **Division 2 – Submission of Tender**

The City of Saint John is implementing adjustments to the tender submission procedure as follows:

#### **Section 2.3 Schedule for the Tender Process**

Please note that the tender closing date has been extended to 2:30:00pm on Tuesday, March 04, 2025.

#### **Appendix 3D – Technical Specifications**

#### **INQUIRY REGARDING SECTION 10 81 01:**

**Q1:** Section 10 81 01, Items 1.8.6 and 2.3.4 state the aeration system manufacturer must guarantee the BOD and TSS removal, however, both are a function of the lagoon retention and settling time, respectively, which are outside the control of the aeration system manufacturer and, therefore, cannot be guaranteed. However, the aeration system manufacturer can guarantee the dissolved oxygen concentration is  $\geq 2.0$ mg/L throughout the system, as required per Item 2.3.11.2. Is this acceptable?

**A1:** *Yes, this is acceptable.*

**Q2:** Section 10 81 01, Item 2.5.2 (Page 106) states the aeration system supplier must confirm header sizing as part of the overall design responsibility. The header is being provided by others; the aeration system supplier has reviewed the header sizing and agrees with the 300mm header from the building to cell #1, but recommends the header to cells #2, 3, 4 be increased to 300mm and reduced to 250mm after the sixth lateral in cell #2, instead of the 200mm indicated on the drawing set.

**A2:** Please see attached updated Sheet 8 of 14 and 9 of 14 of the drawing set.

Please find attached updated Division 4.5, Sheet 5 of 13 and 6 of 13.

**Note:** Signed copy of the addendum **must** be enclosed in the tender documents, according to the Instructions to Tenderers and Tendering Procedures in Division 2 of the Contract Specifications.

BY:



CHIEF CITY ENGINEER

CONTRACTOR'S SIGNATURE

TO BE SIGNED AND ATTACHED TO TENDER DOCUMENTS

DIVISION 4

SCHEDULE OF QUANTITIES AND UNIT PRICES

UNIT PRICE TO BE EITHER  
TYPEWRITTEN OR PRINTED  
IN INK IN WORDS AND  
PRINTED NUMERICALLY

CONTRACT NUMBER 2024-09

TITLE: LANCASTER WWTF AERATION SYSTEM RENEWAL

ITEM NO.	DESCRIPTION	DIV. NO.	UNIT	EST. QTY.	UNIT BID PRICE		TOTAL (\$)
					WRITTEN	NUMERICAL	
C 1	<b>AERATION SYSTEM</b> <u>Supply &amp; Install</u>						
	a) Supply and install new Aeration System within the lagoon, all cells No.1, 2, 3, and 4, complete	10 81 01	LS	1			
	b) Supply and install new 300mm sch. 40 SS piping (c/w bends, tees, and other fittings). Complete	10 90 00	m	30			
	c) Supply and install new 300mm HDPE SDR-17 piping (c/w bends, tees, reducers and other fittings). Complete	10 90 00	m	135			
	d) Supply and install new 250mm HDPE SDR-17 piping (c/w bends, tees, and other fittings). Complete	10 90 00	m	180			

DIVISION 4

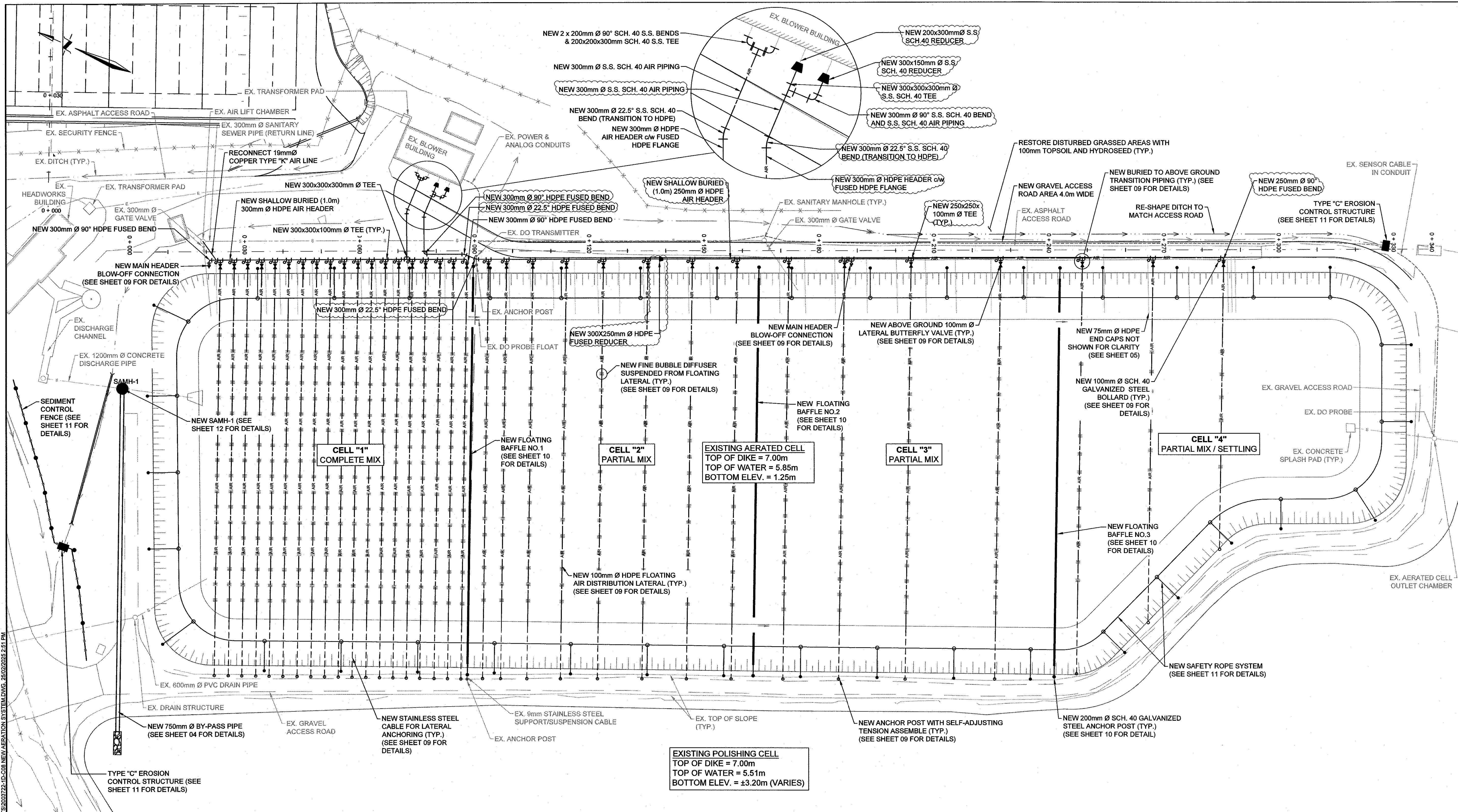
UNIT PRICE TO BE EITHER  
TYPEWRITTEN OR PRINTED  
IN INK IN WORDS AND  
PRINTED NUMERICALLY

SCHEDULE OF QUANTITIES AND UNIT PRICES

CONTRACT NUMBER 2024-09

TITLE: LANCASTER WWTF AERATION SYSTEM RENEWAL

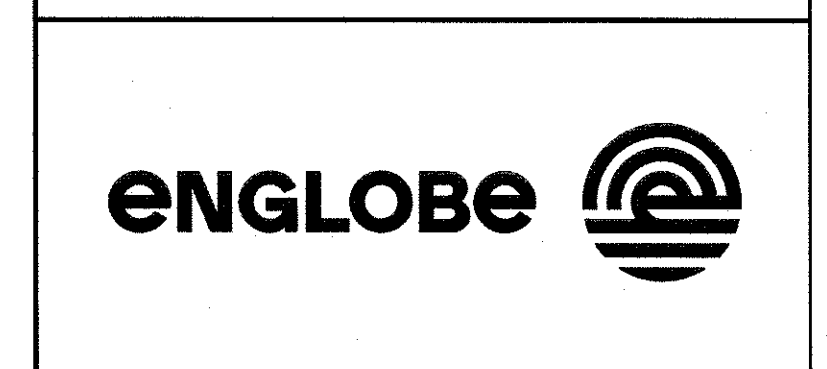
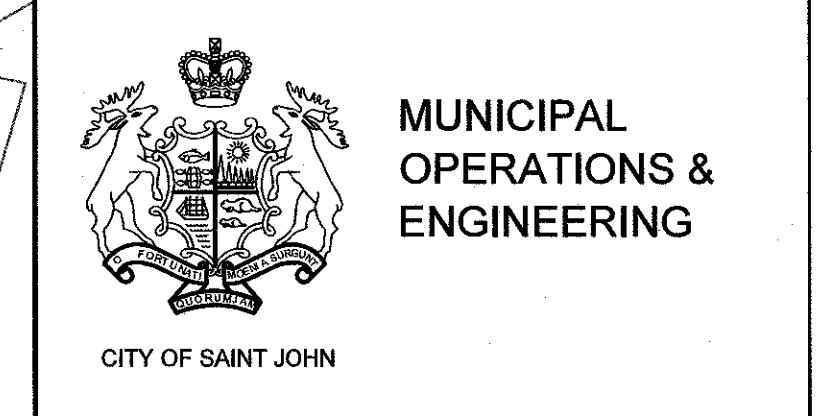
ITEM NO.	DESCRIPTION	DIV. NO.	UNIT	EST. QTY.	UNIT BID PRICE		TOTAL (\$)
					WRITTEN	NUMERICAL	
	e) Supply and install buried to above ground transition pipes incl. above ground butterfly valves, complete	10 90 00	each	35			
	f) Supply and install new blow-off connections, including buried to above ground pipes, fittings, and above ground butterfly valve	10 90 00	each	2			
	g) Reconnection of the copper air line, including connection to existing airlift manhole tubing and saddle, and all related components, complete	10 90 00	LS	1			
2	<u>Contingency</u>	2.6.03	LS	1	One Hundred Thirty-Two Thousand Three Hundred Dollars and Zero Cents	132,300.00	132,300.00
	AMOUNT "C" (AERATION SYSTEM)						



**NOTES**  
 1. SEE SHEET 01 FOR GENERAL NOTES.  
 2. NEW AERATION LAYOUT TO BE CONFIRMED BY AERATION MANUFACTURER (REFER TO SPECIFICATIONS).

LEGEND		EXISTING	NEW
R.O.W.			
WATER MAIN			
SANITARY SEWER			
STORM SEWER			
OIL LINE			
GAS MAIN			
FORCE MAIN			
UG ELECTRICAL			
FENCE			
MANHOLE			
CATCH BASIN			
VALVE BOX			
BUTTERFLY VALVE			
VALVE & CHAMBER			
FIRE HYDRANT			
CURB STOP			
BENDS			
TEE			
WYE			
CAP OR PLUG			
REDUCER			
COUPLING			
UTILITY POLE			
ASPHALT DRIVEWAY			
GRAVEL DRIVEWAY			
BOREHOLE			
AIR LINE			
FINISH GRADE		0.00	0.00

No.	By	Date	Revision
1.1	KKM	25/02/25	ISSUED FOR ADDENDUM NO. 3
1.0	KKM	21/01/25	ISSUED FOR TENDER
0.0	KKM	15/05/24	ISSUED FOR PRE-TENDER



**PROJECT TITLE**  
 LANCASTER WWTF AERATION SYSTEM RENEWAL

**DRAWING TITLE**  
 NEW AERATION LAYOUT

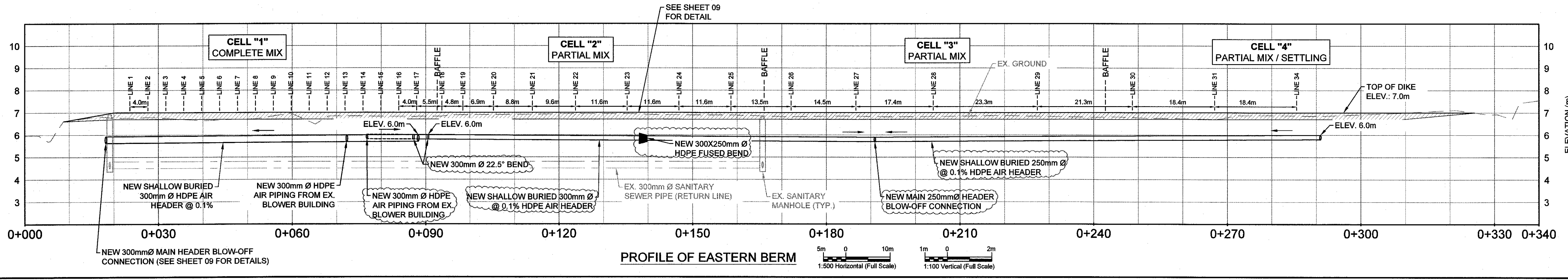
SEAL	
Contract No.	2024-09
Scale	5m 0 10m 1:500 Horizontal (Full Scale) 1m 0 2m 1:100 Vertical (Full Scale)
Drawn By	JB/SYA
Date	MAY 5, 2022
Checked By	ACM PP

*Susan Sker*  
 PROJECT ENGINEER  
*Rich Barb*  
 CHIEF CITY ENGINEER

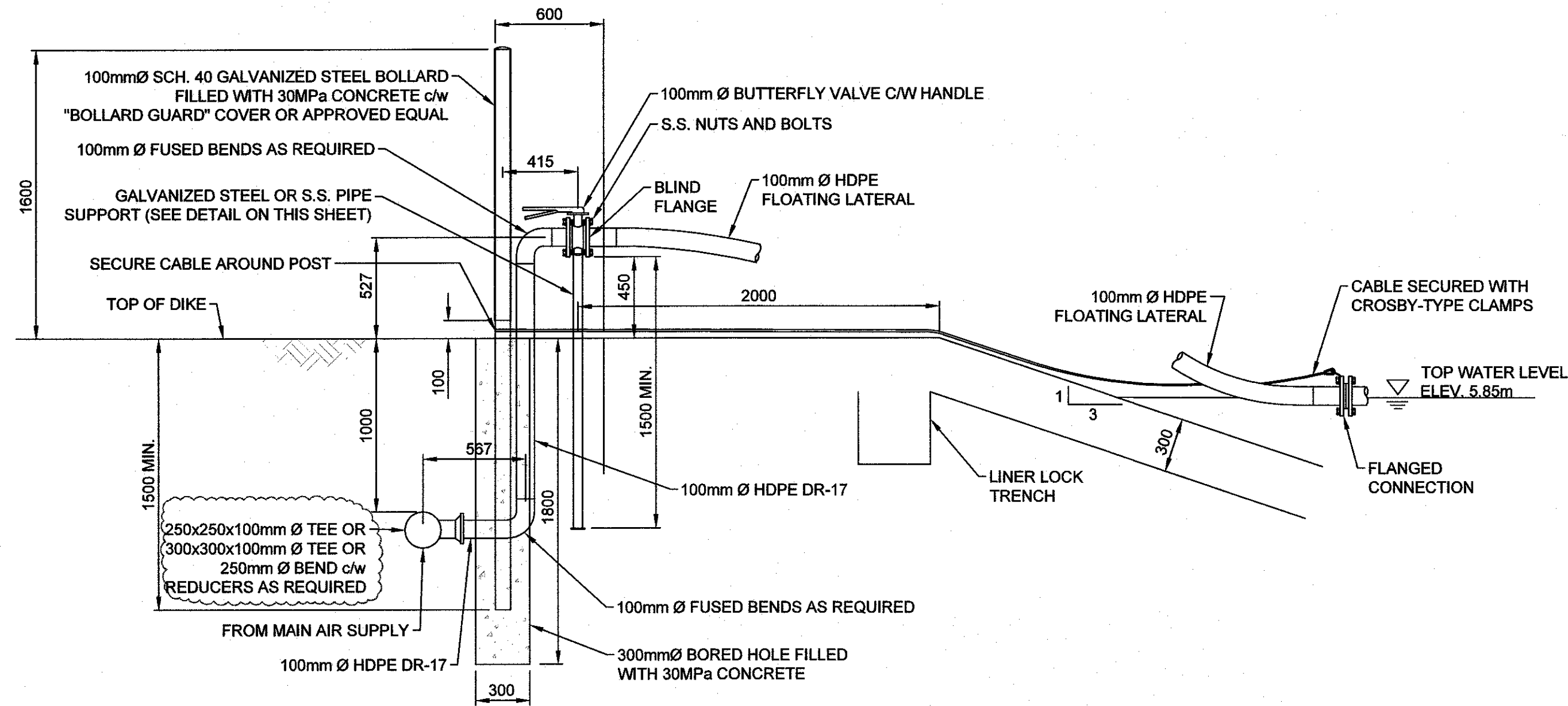
SIGNATURES BY THE PROJECT ENGINEER AND CHIEF CITY ENGINEER ONLY INDICATE THAT THIS IS THE FINAL SET OF DRAWINGS FOR THIS TENDER.

08 of 14 File L068-020

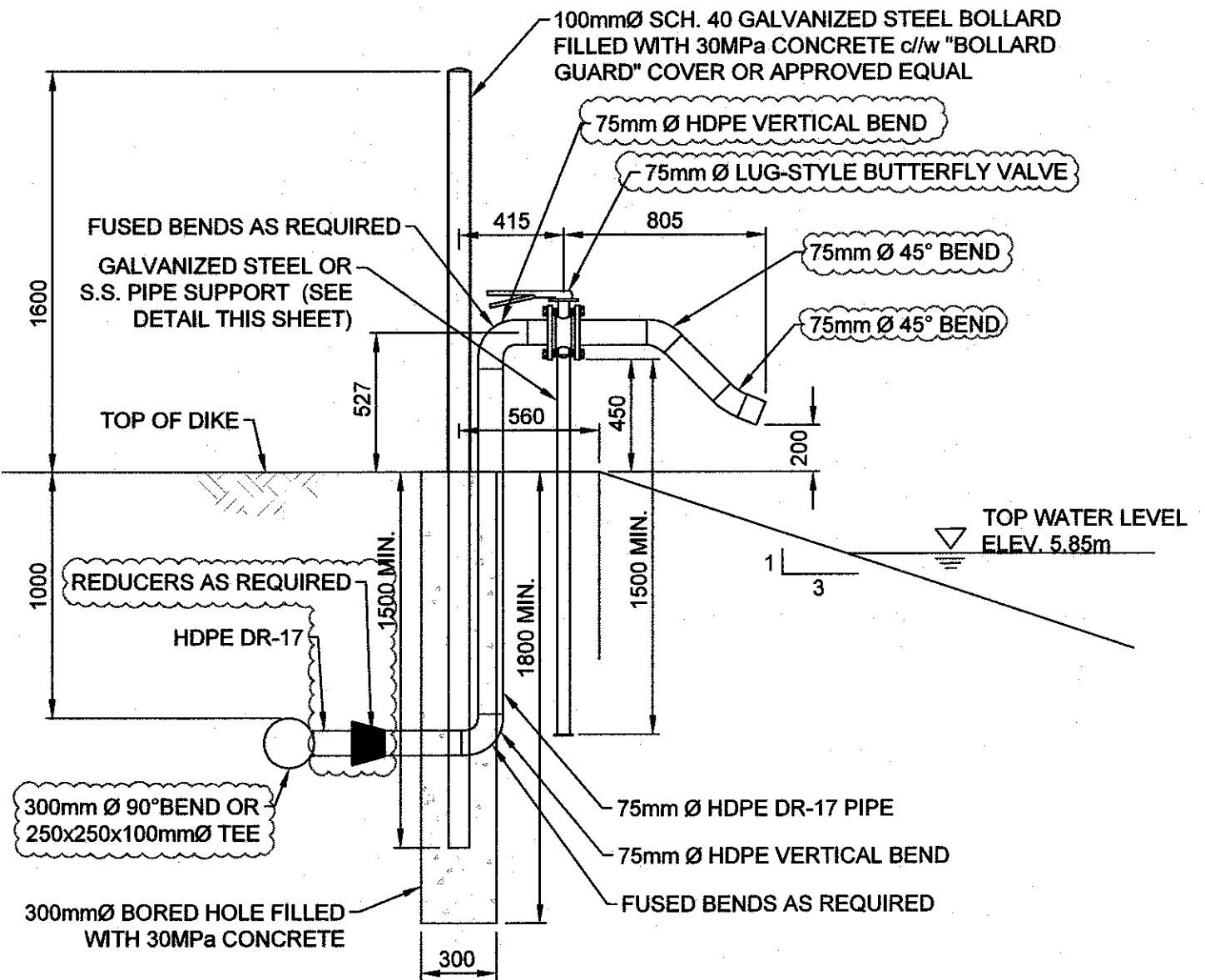
J:\2020\000722 - LANCASTER WWTF BLOWER PIPING RENEWAL\CADD\DESIGN\CURRENT SHEETS\2024\02\25\NEW AERATION SYSTEM.DWG, 25/02/2025 2:51 PM



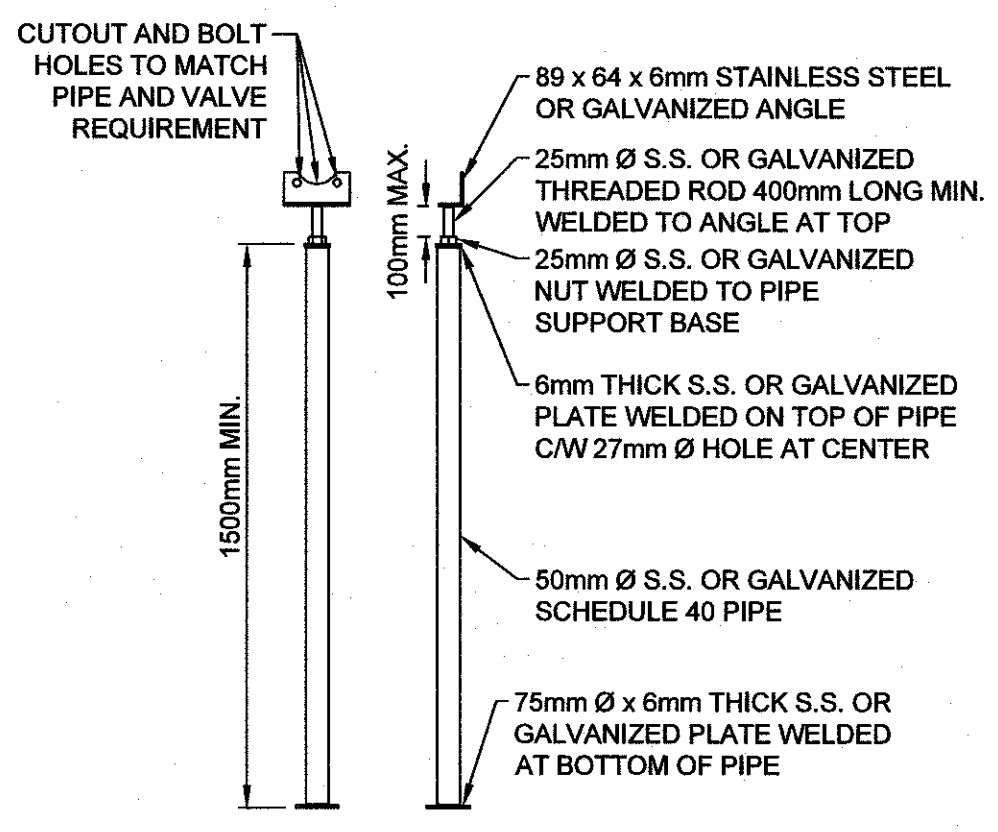




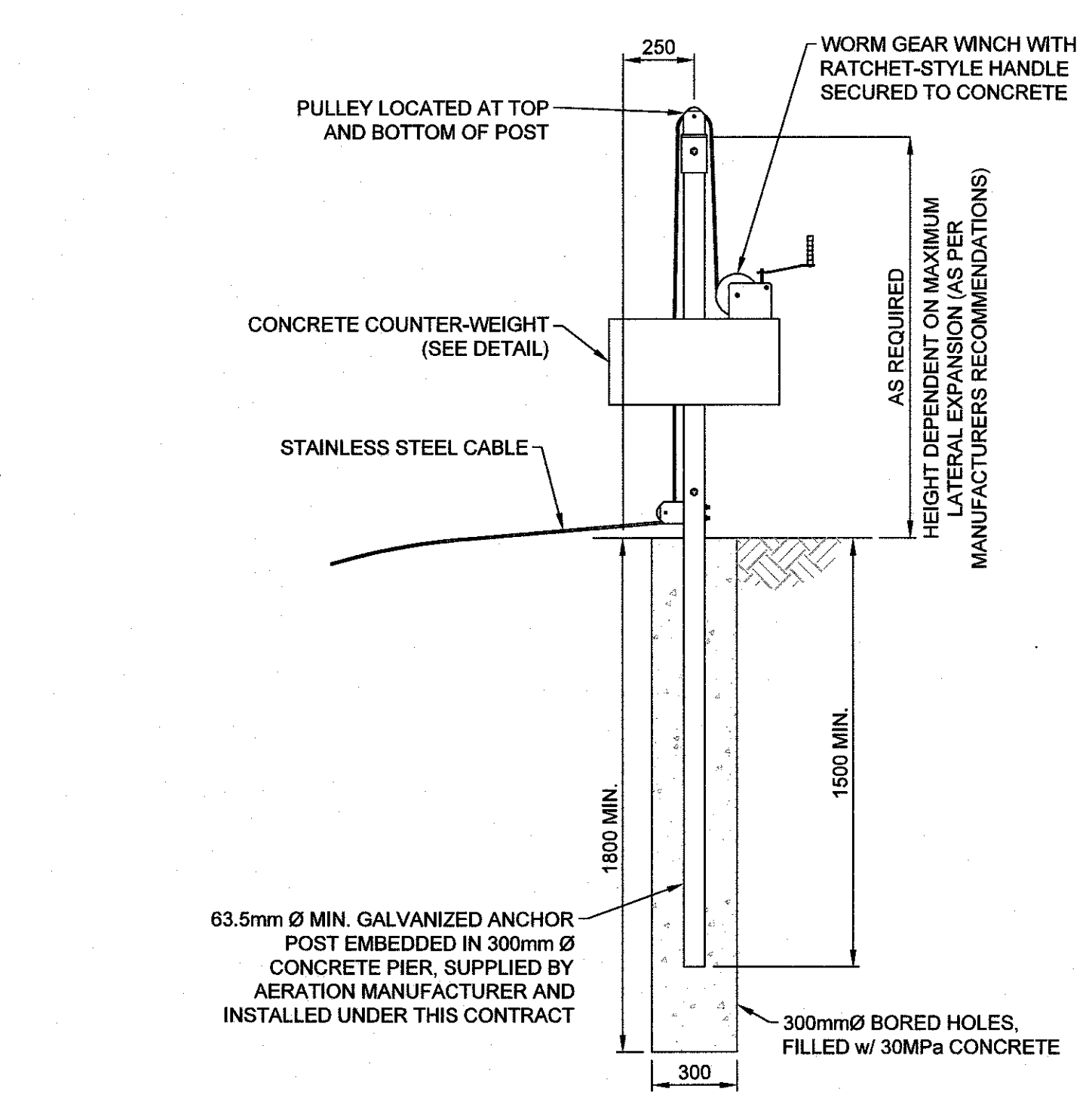
250mm AND 300mm Ø MAIN HEADER AIR LATERAL CONNECTION DETAIL  
N.T.S.



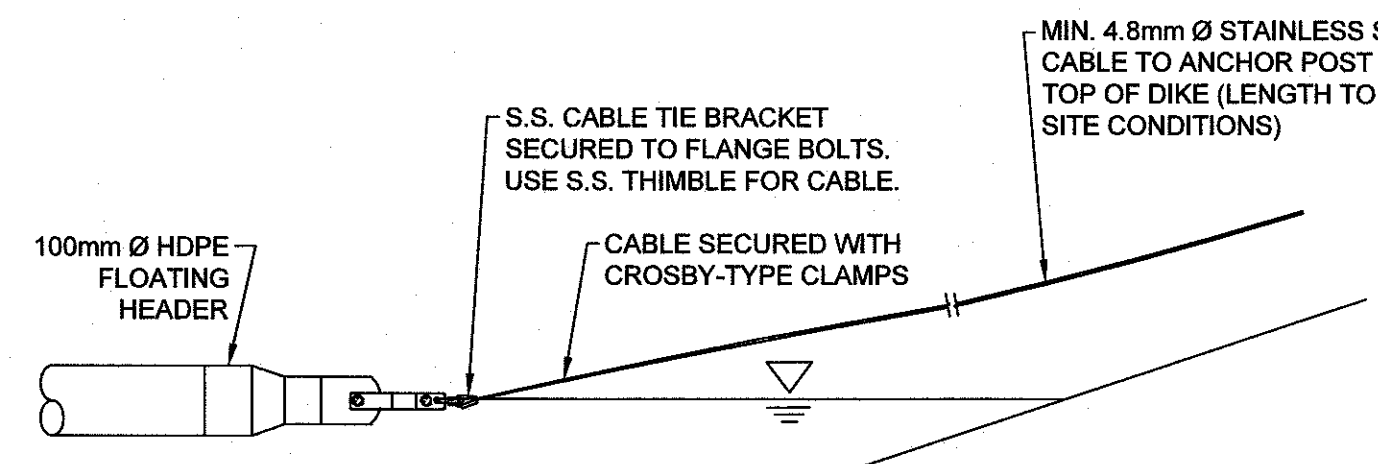
250mm Ø AND 300mm Ø MAIN HEADER BLOW-OFF DETAIL  
N.T.S.



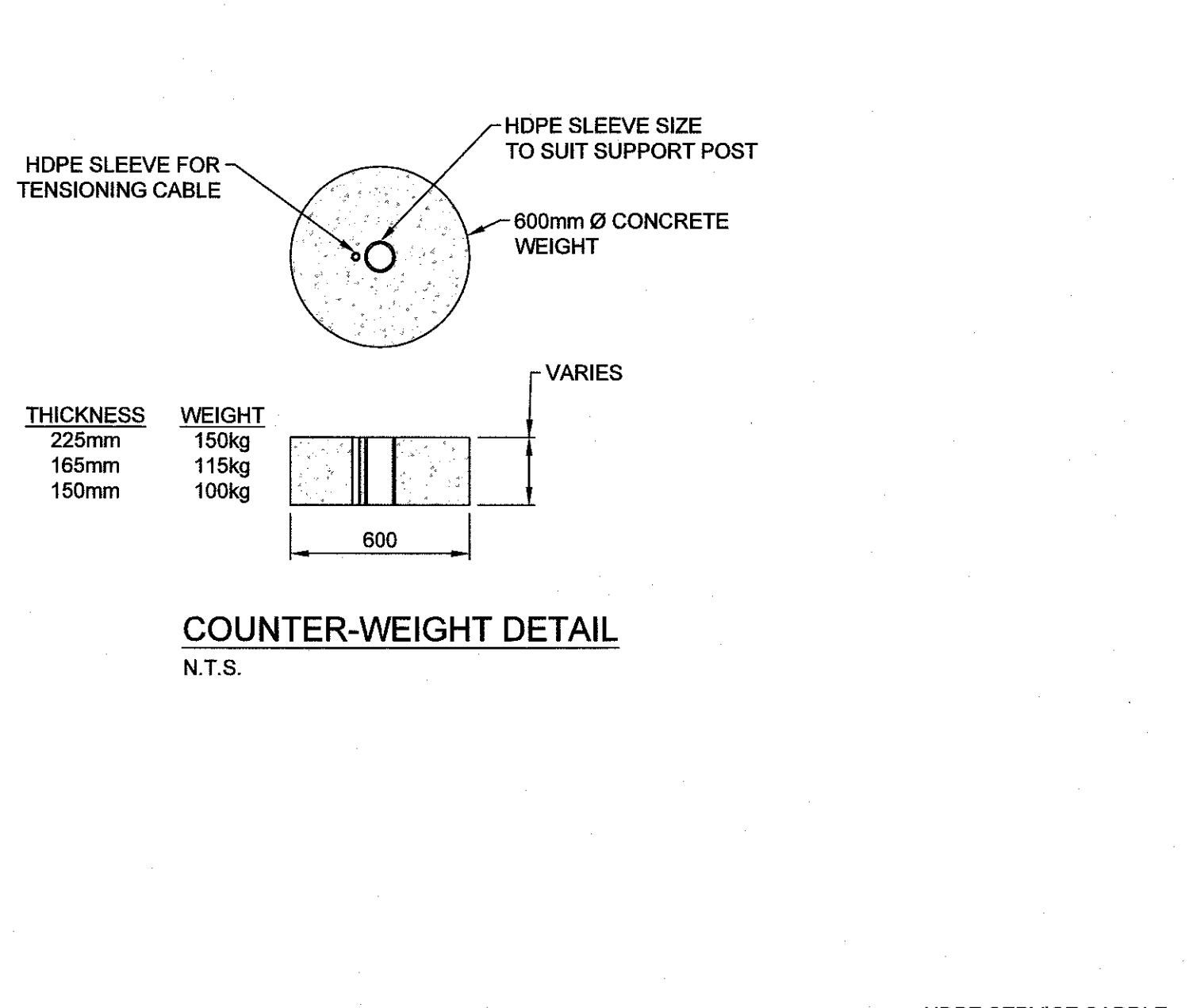
DETAIL - SUPPORT POST  
N.T.S.



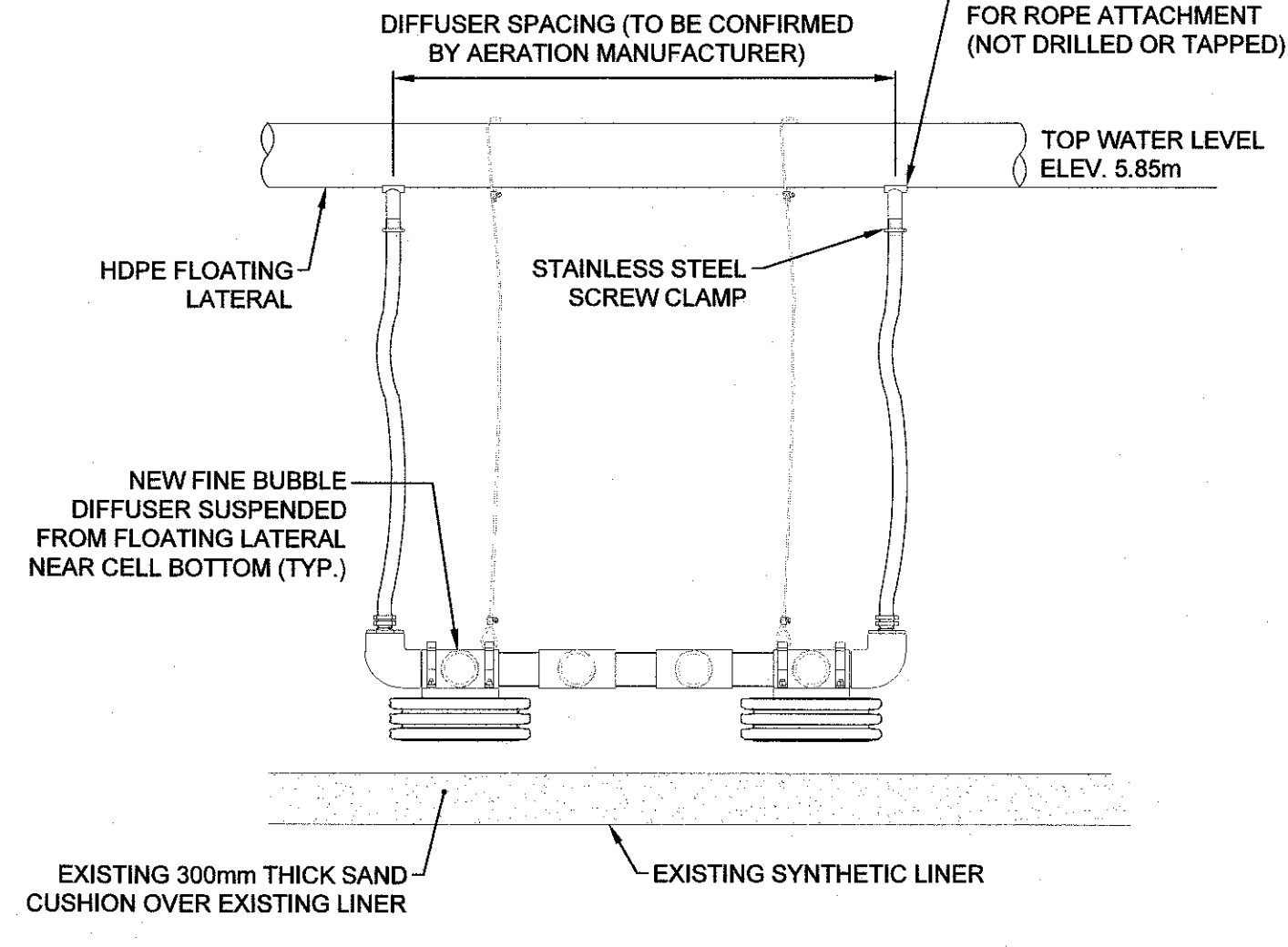
SELF-ADJUSTING TENSION ASSEMBLY (AT LATERAL FREE END)  
N.T.S.



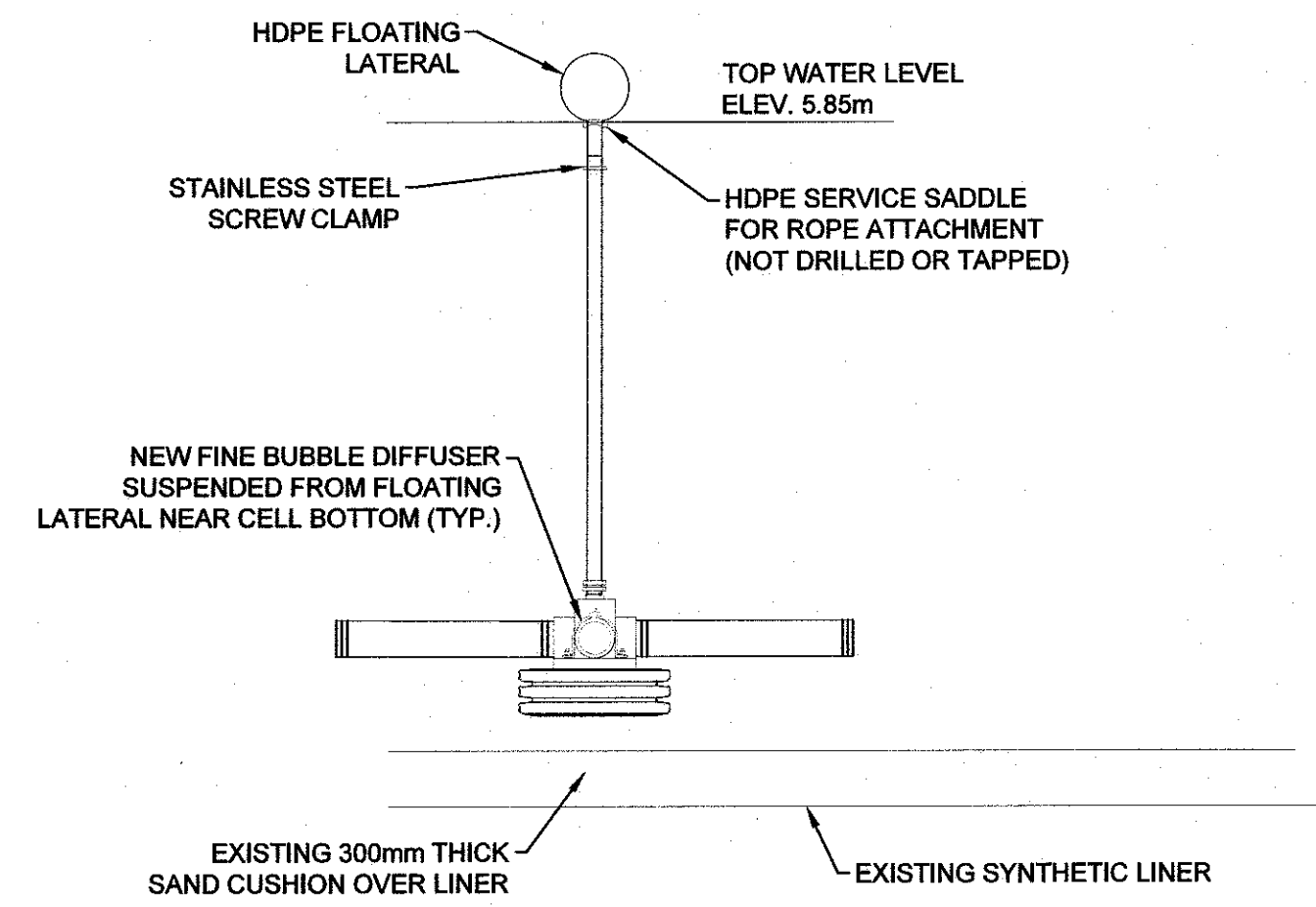
LATERAL DETAIL AT HEADER (FREE END)  
N.T.S.



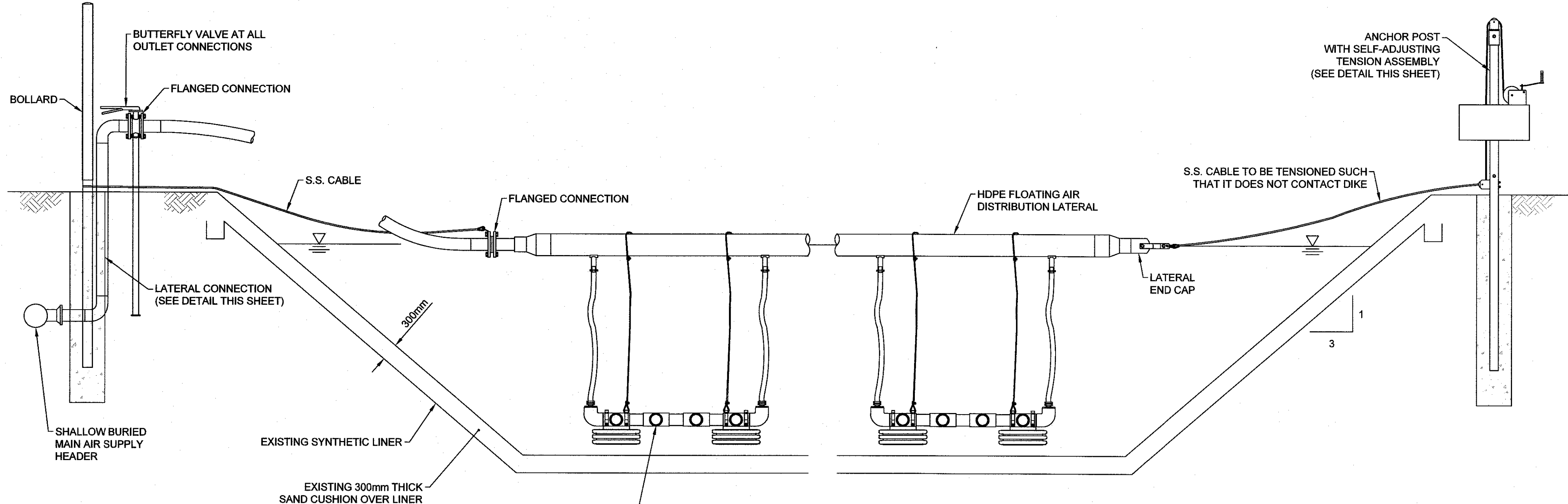
COUNTER-WEIGHT DETAIL  
N.T.S.



LATERAL DETAIL - ELEVATION (AERATION CELL)  
N.T.S.



LATERAL DETAIL - ELEVATION (AERATION CELL)  
N.T.S.



AERATED CELL SECTION  
N.T.S.

**NOTES**

- SEE SHEET 01 FOR GENERAL NOTES.
- REFER TO SPECIFICATIONS FOR AERATION SUBMITTAL REQUIREMENTS.

**LEGEND**

	EXISTING	NEW
R.O.W.	---	---
WATER MAIN	---	---
SANITARY SEWER	---	---
STORM SEWER	---	---
OIL LINE	---	---
GAS MAIN	---	---
FORCE MAIN	---	---
UG ELECTRICAL	---	---
FENCE	---	---
MANHOLE	○	●
CATCH BASIN	□	□
VALVE BOX	□	□
BUTTERFLY VALVE	○	○
VALVE & CHAMBER	○	○
FIRE HYDRANT	○	○
CURB STOP	○	○
BENDS	⋈	⋈
TEE	⋈	⋈
WYE	⋈	⋈
CAP OR PLUG	⋈	⋈
REDUCER	⋈	⋈
COUPLING	⋈	⋈
UTILITY POLE	⋈	⋈
ASPHALT DRIVEWAY	A	A
GRAVEL DRIVEWAY	G	G
BOREHOLE	⊙	⊙
AIR LINE	---	---
FINISH GRADE	+0.00	+0.00

No.	By	Date	Revision
1.1	KKM	25/02/25	ISSUED FOR ADDENDUM NO.3
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**MUNICIPAL OPERATIONS & ENGINEERING**  
CITY OF SAINT JOHN

**ENGLOBE**

**PROJECT TITLE**  
LANCASTER WWTF AERATION SYSTEM RENEWAL

**DRAWING TITLE**  
TYPICAL CONSTRUCTION DETAILS - AERATION SYSTEM

**SEAL**

Contract No. 2024-09  
Scale NOT TO SCALE  
Drawn By JB  
Date MAY 5, 2022  
Checked By ACM PP

**PROJECT ENGINEER**  
KYLE K. MCCONNELL  
2025.02.25  
REGISTERED PROFESSIONAL ENGINEER  
Province of New Brunswick  
INGENIEUR IMMATRICULÉ

**CHIEF CITY ENGINEER**  
SARAH SHAW

SIGNATURES BY THE PROJECT ENGINEER AND CHIEF CITY ENGINEER ONLY INDICATE THAT THIS IS THE FINAL SET OF DRAWINGS FOR THIS TENDER.

09 of 14 File L068-020

L:\2020\03\0722 - LANCASTER WWTF BLOWER PIPING RENEWAL\CAD\DWG\CURRENT SHEETS\2025\02\25\03\0722 - LANCASTER WWTF BLOWER PIPING RENEWAL\CAD\DWG\CURRENT SHEETS\2025\02\25\03\0722.DWG - 25/02/2025 3:38 PM