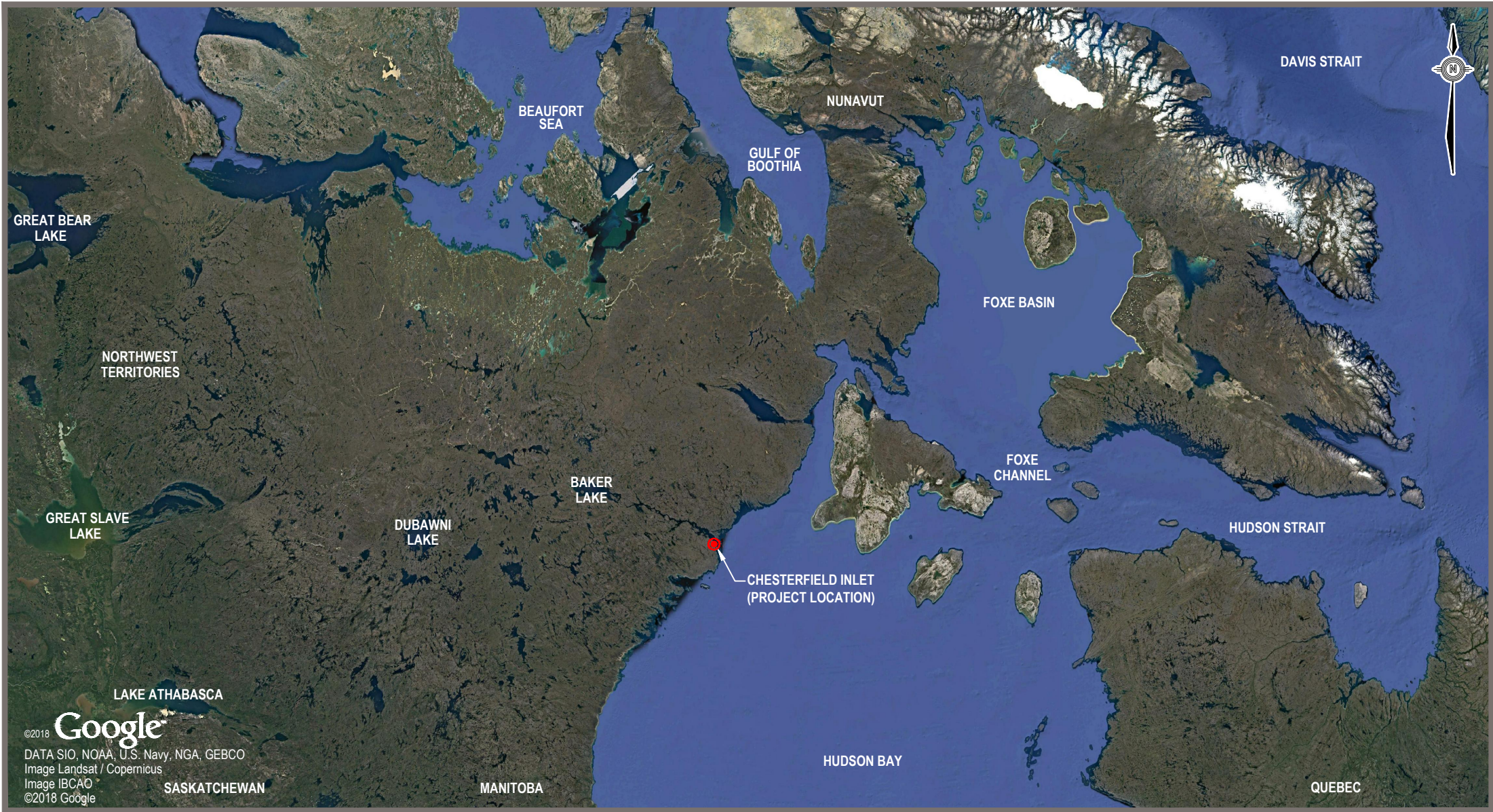


WATER TRANSMISSION LINE DESIGN

CHESTERFIELD INLET, NUNAVUT



SITE LOCATION
SCALE: NTS

CLIENT		 TETRA TECH	PROJECT NO. WTRM03121-01	OFFICE VANC	DES DNM	CKD DNM	REV 1	DRAWING G1.00
			DATE November 20, 2020	SHEET No. <i>of</i>	DWN JDM	APP DNM	STATUS REC	

C:\Users\justin.mang\OneDrive - Tetra Tech, Inc\WTRM03121-01 - Chesterfield Design_REC.dwg [G1.01] November 24, 2020 - 5:12:42 pm (BY: MANG, JUSTIN)

DRAWING INDEX	
DWG No.	DESCRIPTION
G1.00	COVER SHEET
G1.01	DRAWING INDEX AND LEGEND
C1.00	KEY PLAN
C1.01	PLAN AND PROFILE
C1.02	PLAN AND PROFILE
C1.03	PLAN AND PROFILE
C1.04	PLAN AND PROFILE
C1.05	PLAN AND PROFILE
C1.06	PLAN AND PROFILE
C1.07	PLAN AND PROFILE
C1.08	PLAN AND PROFILE
C1.09	PLAN AND PROFILE
C1.10	PLAN AND PROFILE
C2.00	PUMPING PAD - PLAN
C2.01	PUMPING PAD - SECTIONS
C3.00	TYPICAL SECTION AND DETAILS
C3.01	DETAILS

LEGEND

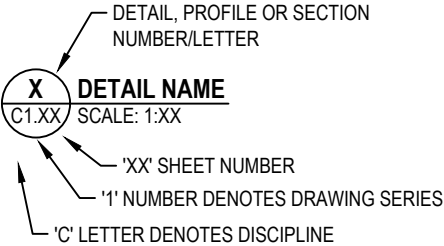
- PROPERTY LINE
- =====

WATERBODY
- =====

STREAM
- EXISTING FENCE
- EXISTING PIPELINE
- =====

EXISTING ROAD
- EXISTING TRAIL
- ⌈⌋

EXISTING CULVERT



NOTES:

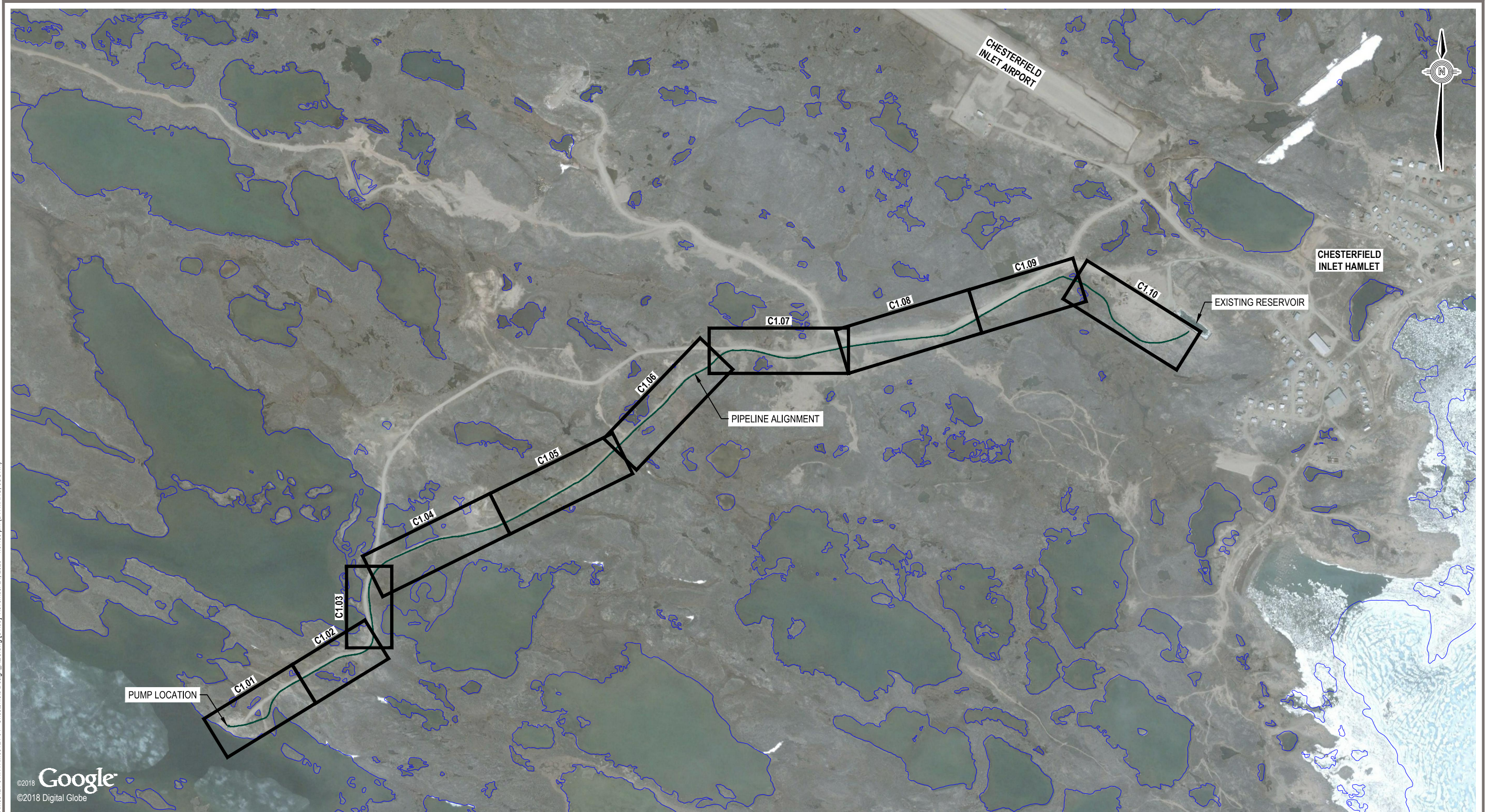
1. These drawings were prepared for the exclusive use of the Government of Nunavut (GON) and are issued pursuant to the services agreement between the client and Tetra Tech Canada, unless otherwise agreed in writing with the client or specified on these drawings. Tetra Tech Canada does not accept and disclaims any and all liability or responsibility arising from any use or reliance on these drawings by any third party or any modification or misuse of these drawings by the client. These drawings remain the intellectual property of Tetra Tech Canada.



PROFESSIONAL SEAL

CLIENT		 WATER TRANSMISSION LINE DESIGN CHESTERFIELD INLET, NUNAVUT					
		DRAWING INDEX AND GENERAL NOTES					
TETRA TECH		PROJECT NO. WTRM03121-01	OFFICE VANC	DES DNM	CKD ML	REV 1	DRAWING G1.01
		DATE November 20, 2020	SHEET No. of	DWN JDM	APP DNM	STATUS REC	

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LEGEND

SCALE 1:10,000

100 0 100 200 400m

NOTES

1. Survey completed by Apex Survey Solutions Ltd. on November 22, 2018.

3	11/20/20	JDM	ML	DNM	RECORD DRAWING	
2	9/9/20	JDM	ML	DNM	FIELD DIRECTIVE 004	
1	8/21/20	JDM	ML	DNM	FIELD DIRECTIVE 002	
0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION	
NUM	DATE	DWN	CKD	APR	DESCRIPTION	
						REVISIONS

REGISTERED PROFESSIONAL ENGINEER
11/20/20
D.N. MOSCHINI
LICENSEE
NTNU

PROFESSIONAL SEAL

CLIENT


Nunavut

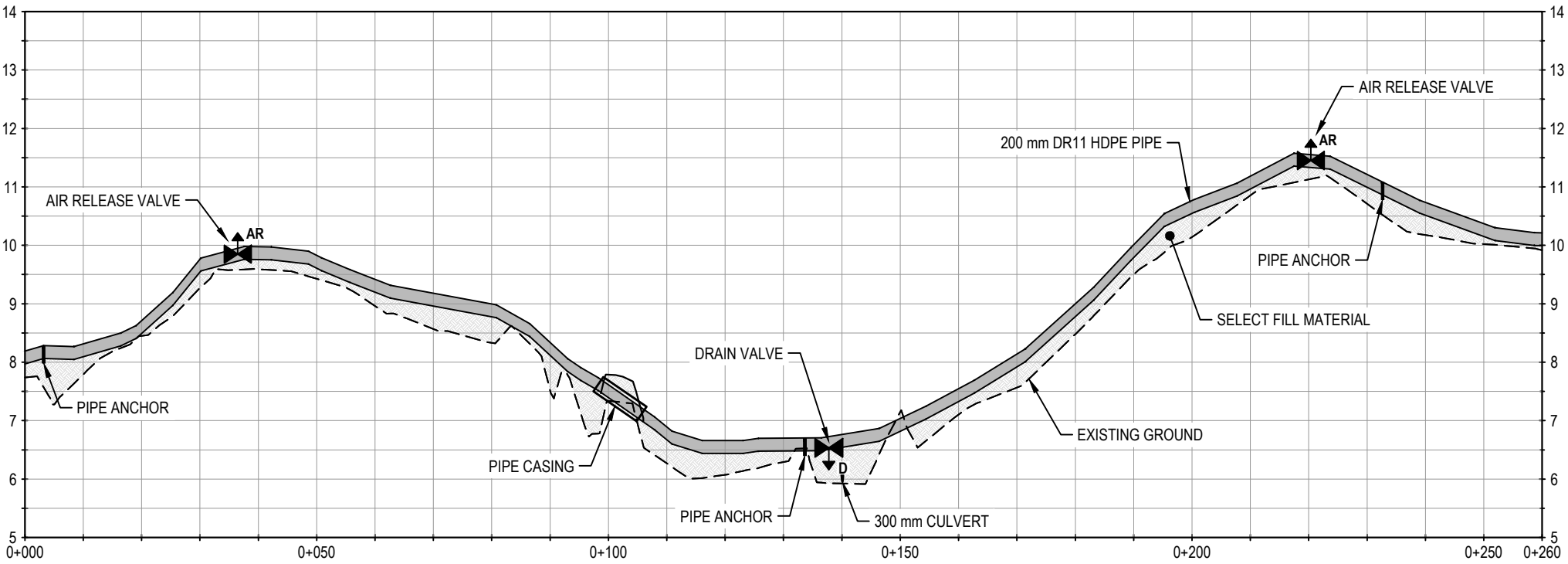
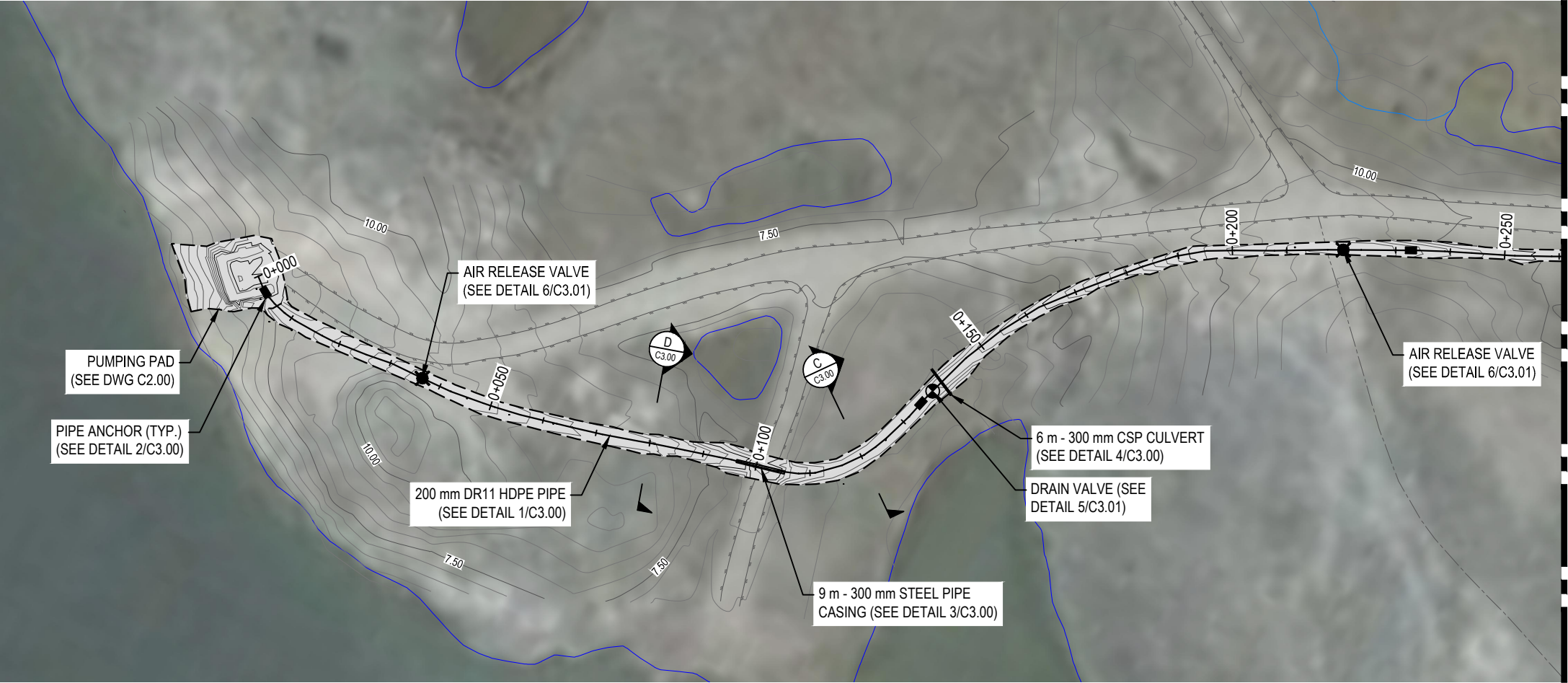
 **TETRA TECH**

**WATER TRANSMISSION LINE DESIGN
CHESTERFIELD INLET, NUNAVUT**

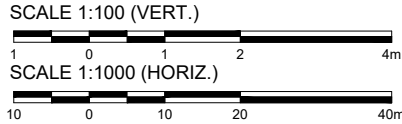
KEY PLAN

PROJECT NO. WTRM03121-01	OFFICE VANC	DES DNM	CKD ML	REV 3	DRAWING C1.00
DATE November 20, 2020	SHEET No. of	DWN JDM	APP DNM	STATUS REC	

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LEGEND



NOTES

- All dimensions are in meters unless noted otherwise.
- Profile view is exaggerated by 10 times vertically.

NUM	DATE	DWN	CKD	APR	DESCRIPTION
3	11/20/20	JDM	ML	DNM	RECORD DRAWING
2	8/21/20	JDM	ML	DNM	FIELD DIRECTIVE 002
1	2/12/20	JDM	ML	DNM	RFI 003
0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION



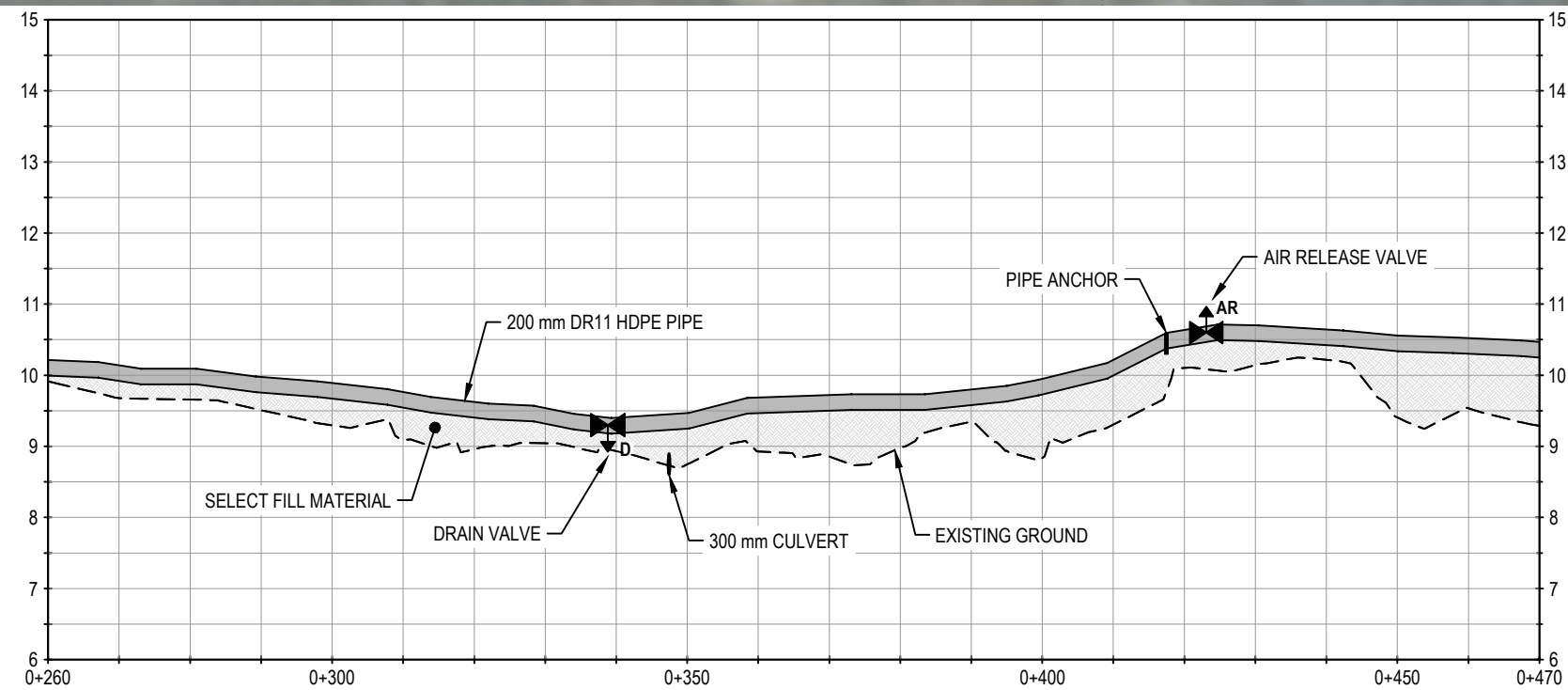
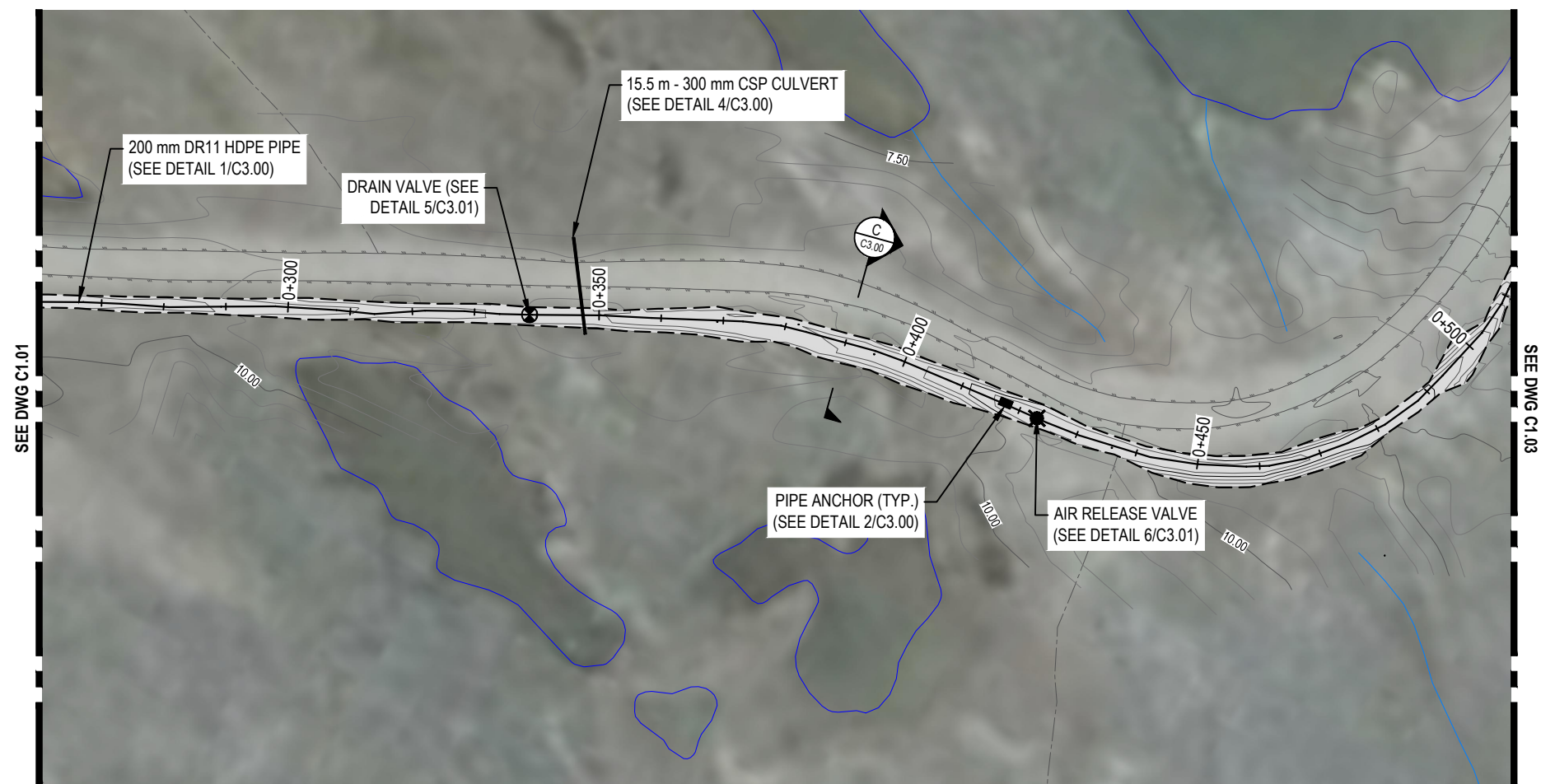
CLIENT



WATER TRANSMISSION LINE DESIGN
CHESTERFIELD INLET, NUNAVUT

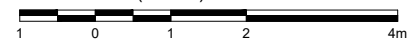
PLAN AND PROFILE

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
WTRM03121-01	VANC	DNM	ML	3	C1.01
DATE	SHEET No. of	DWN	APP	STATUS	
November 20, 2020		JDM	DNM	REC	



LEGEND

SCALE 1:100 (VERT.)



SCALE 1:1000 (HORIZ.)



NOTES

1. All dimensions are in meters unless noted otherwise
2. Profile view is exaggerated by 10 times vertically.

2	11/20/20	JDM	ML	DNM	RECORD DRAWING	
1	8/21/20	JDM	ML	DNM	FIELD DIRECTIVE 002	
0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION	
NUM	DATE	DWN	CKD	APR	DESCRIPTION	
REVISIONS						



PROFESSIONAL SEAL

CLIENT



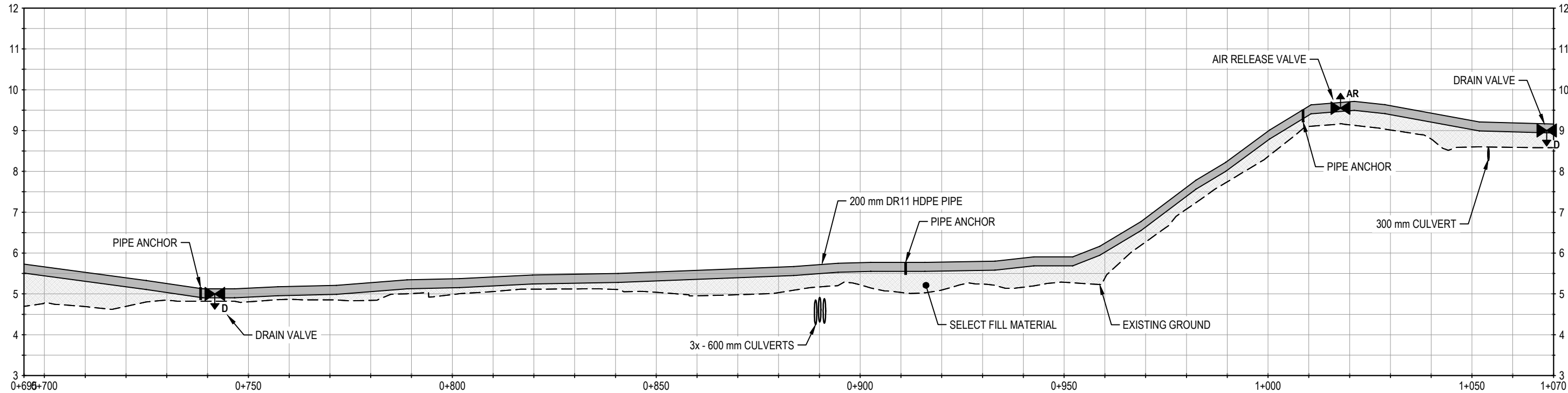
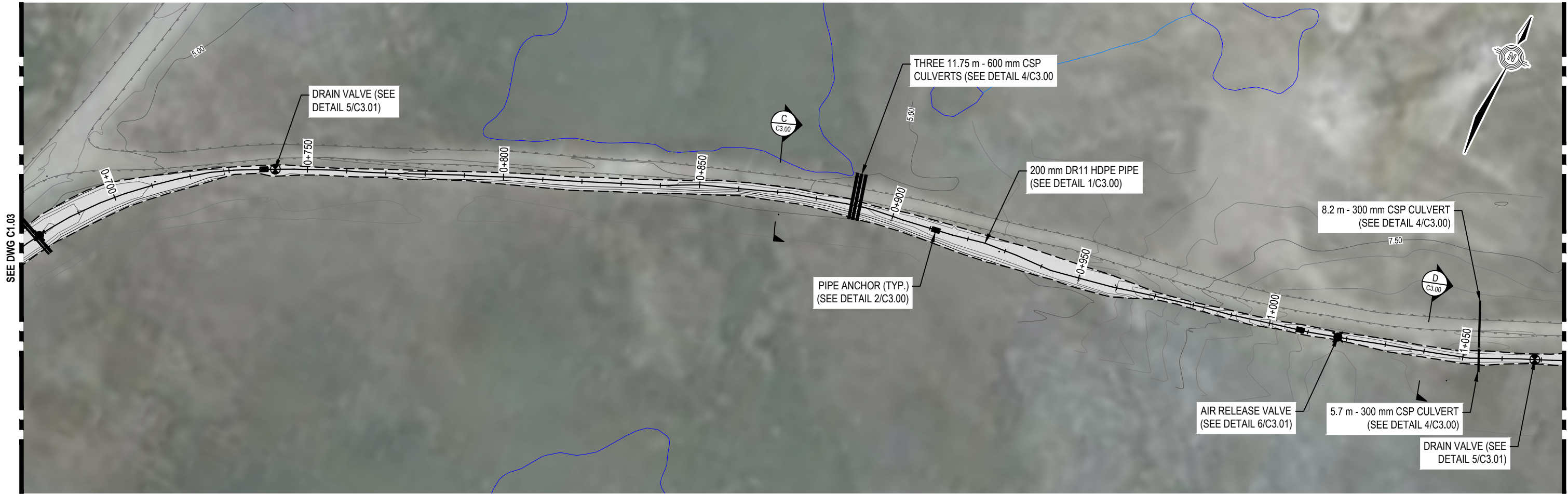
WATER TRANSMISSION LINE DESIGN CHESTERFIELD INLET, NUNAVUT

PLAN AND PROFILE

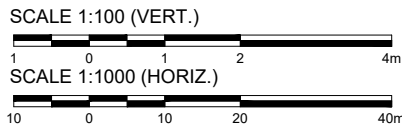
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DATE November 20, 2020	SHEET No. of	DWN JDM	APP DNM	STATUS REC	

C1.02

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LEGEND



NOTES

- All dimensions are in meters unless noted otherwise.
- Profile view is exaggerated by 10 times vertically.

NUM	DATE	DWN	CKD	APR	DESCRIPTION
3	11/20/20	JDM	ML	DNM	RECORD DRAWING
2	9/9/20	JDM	ML	DNM	FIELD DIRECTIVE 004
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0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION



CLIENT

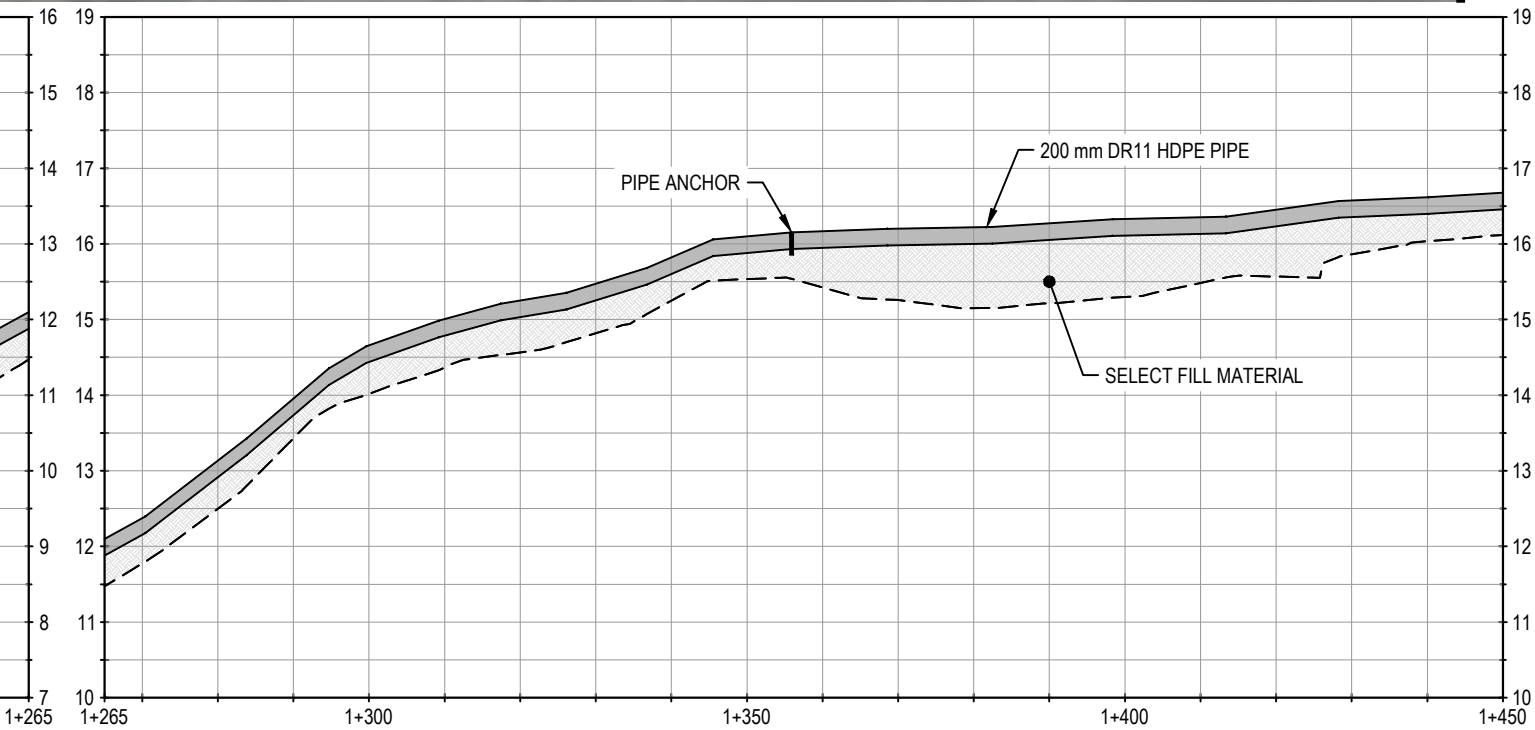
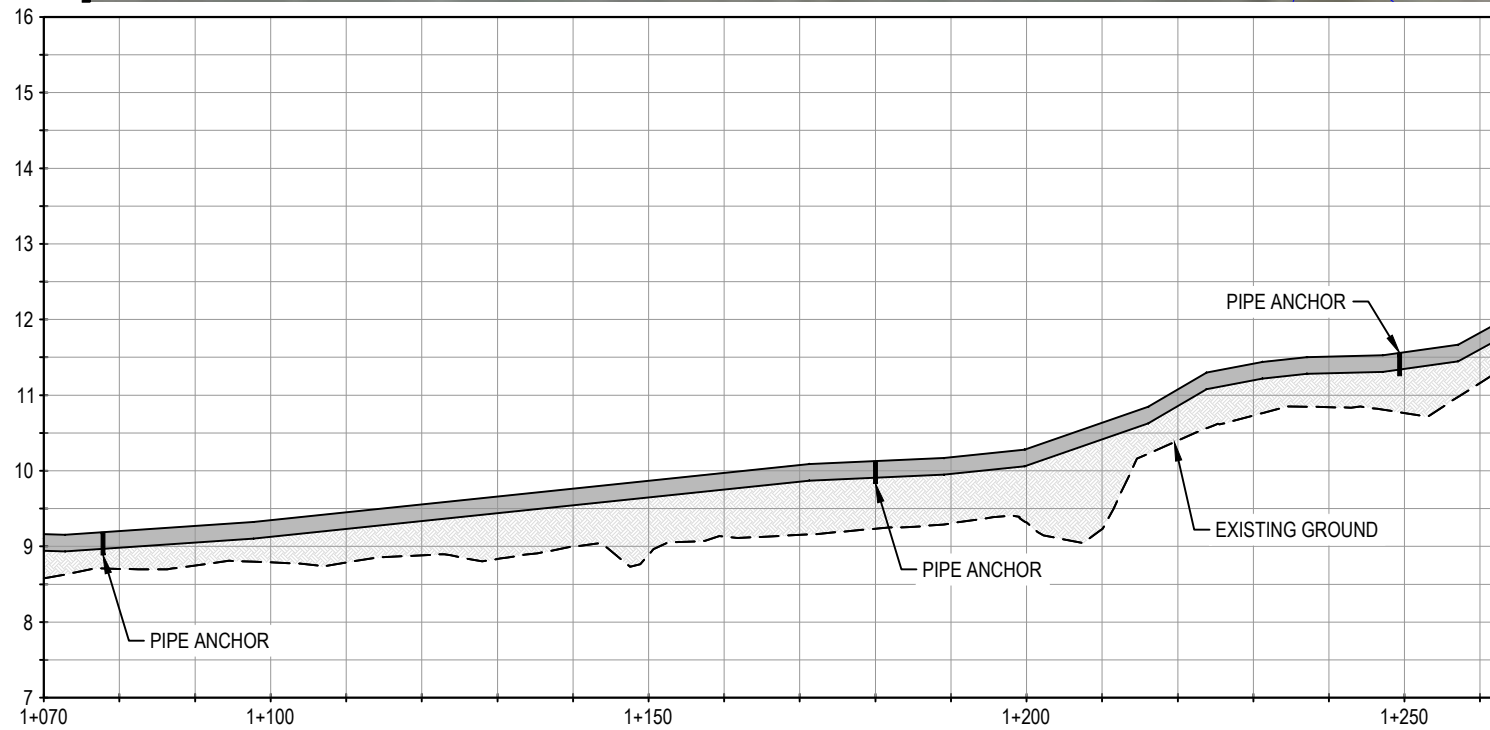


WATER TRANSMISSION LINE DESIGN CHESTERFIELD INLET, NUNAVUT

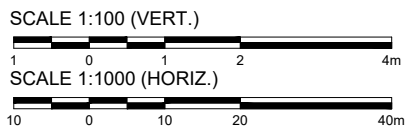
PLAN AND PROFILE

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
WTRM03121-01	VANC	DNM	ML	3	C1.04
DATE	SHEET No.	DWN	APP	STATUS	
November 20, 2020	of	JDM	DNM	REC	

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LEGEND



NOTES

1. All dimensions are in meters unless noted otherwise
2. Profile view is exaggerated by 10 times vertically.

NUM	DATE	DWN	CKD	APR	DESCRIPTION
3	11/20/20	JDM	ML	DNM	RECORD DRAWING
2	9/9/20	JDM	ML	DNM	FIELD DIRECTIVE 004
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0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION



CLIENT

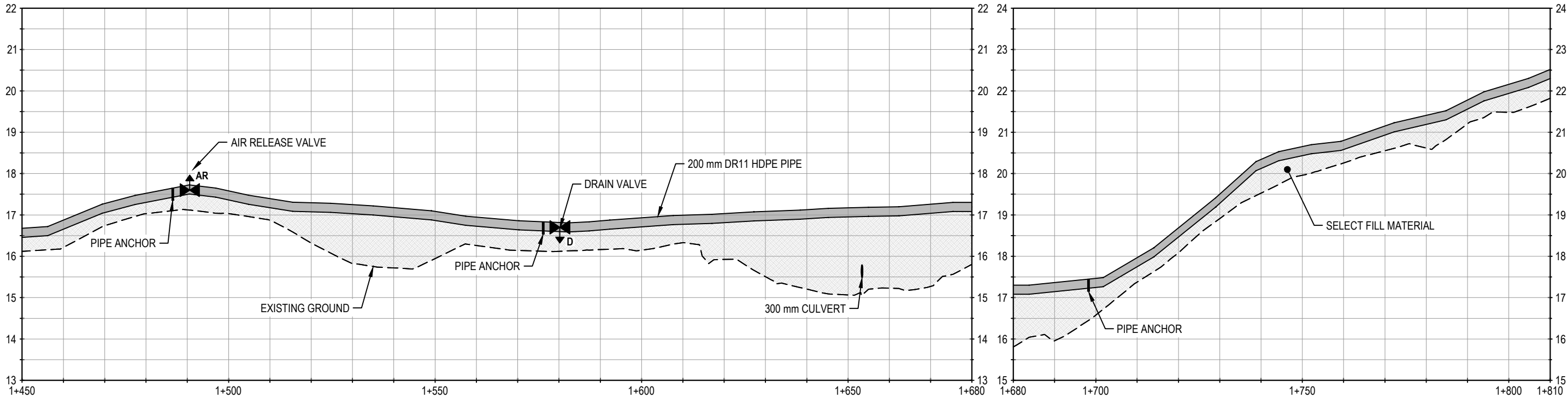
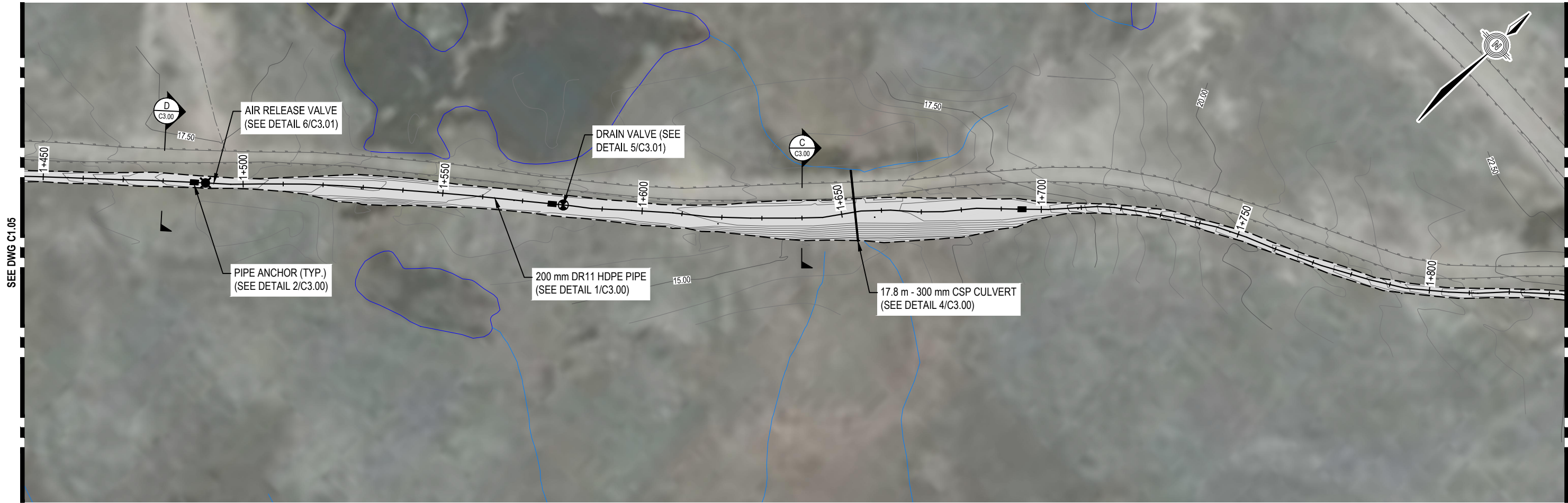


**WATER TRANSMISSION LINE DESIGN
CHESTERFIELD INLET, NUNAVUT**

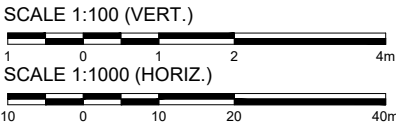
PLAN AND PROFILE

PROJECT NO. WTRM03121-01	OFFICE VANC	DES DNM	CKD ML	REV 3	DRAWING C1.05
DATE November 20, 2020	SHEET No. of	DWN JDM	APP DNM	STATUS REC	

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LEGEND



NOTES

- All dimensions are in meters unless noted otherwise.
- Profile view is exaggerated by 10 times vertically.

NUM	DATE	DWN	CKD	APR	DESCRIPTION
2	11/20/20	JDM	ML	DNM	RECORD DRAWING
1	8/21/20	JDM	ML	DNM	FIELD DIRECTIVE 002
0	11/5/19	JDM	DNM	DNM	ISSUED FOR CONSTRUCTION

REVISIONS



CLIENT

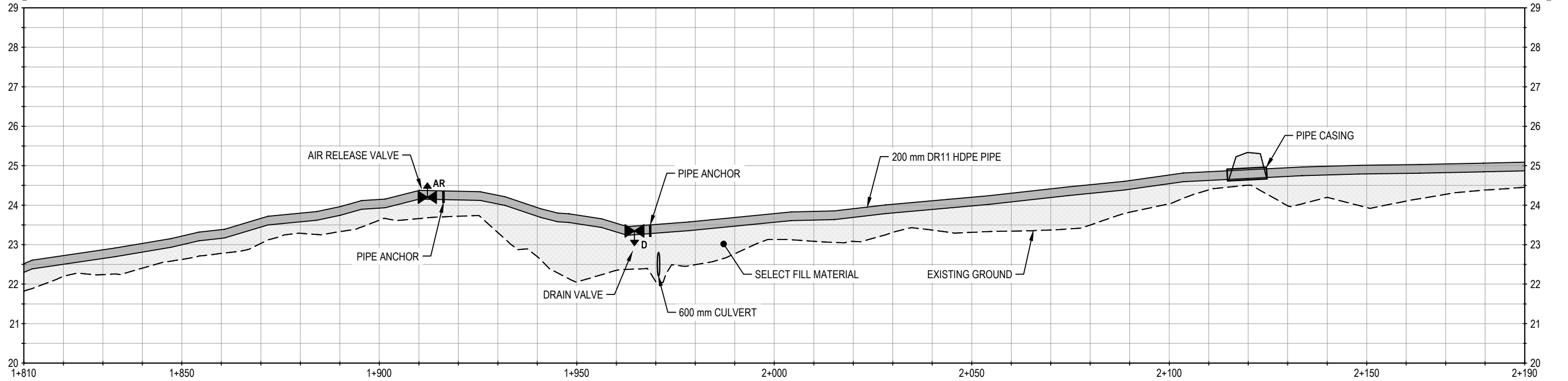
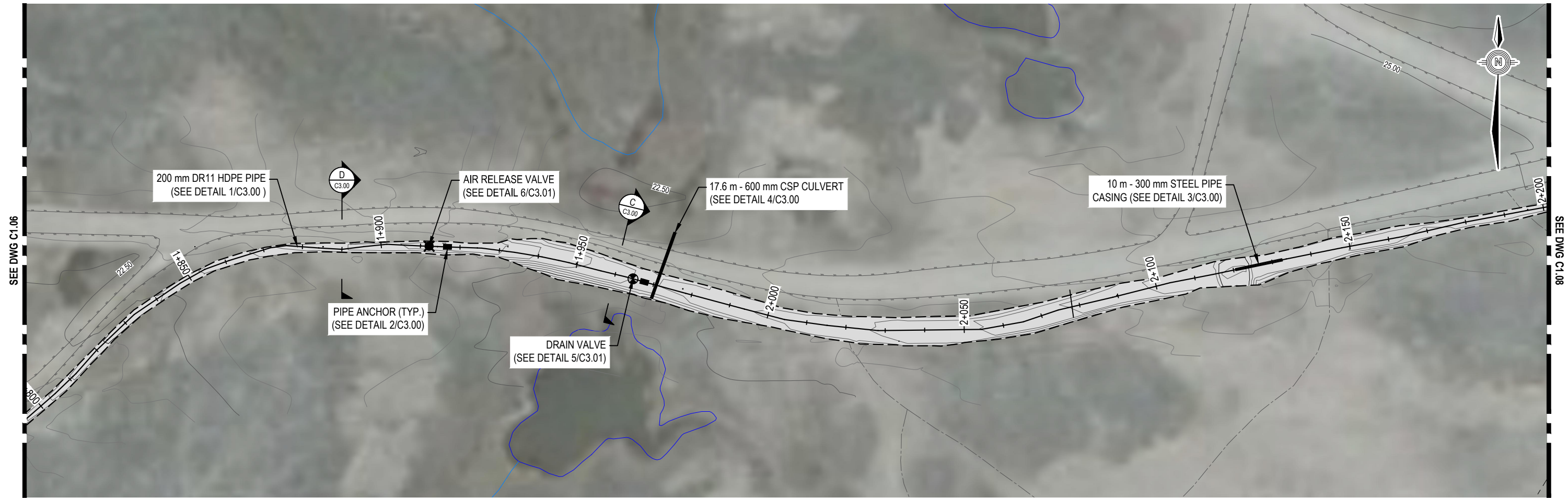


WATER TRANSMISSION LINE DESIGN
CHESTERFIELD INLET, NUNAVUT

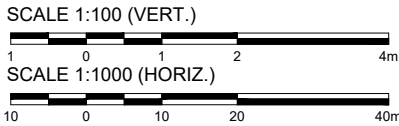
PLAN AND PROFILE

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
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DATE	SHEET No. of	DWN	APP	STATUS	
November 20, 2020		JDM	DNM	REC	

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LEGEND



NOTES

- All dimensions are in meters unless noted otherwise.
- Profile view is exaggerated by 10 times vertically.

NUM	DATE	DWN	CKD	APR	DESCRIPTION
2	11/20/20	JDM	ML	DNM	RECORD DRAWING
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0	11/12/19	JDM	DNM	DNM	ISSUED FOR CONSTRUCTION

REVISIONS



CLIENT

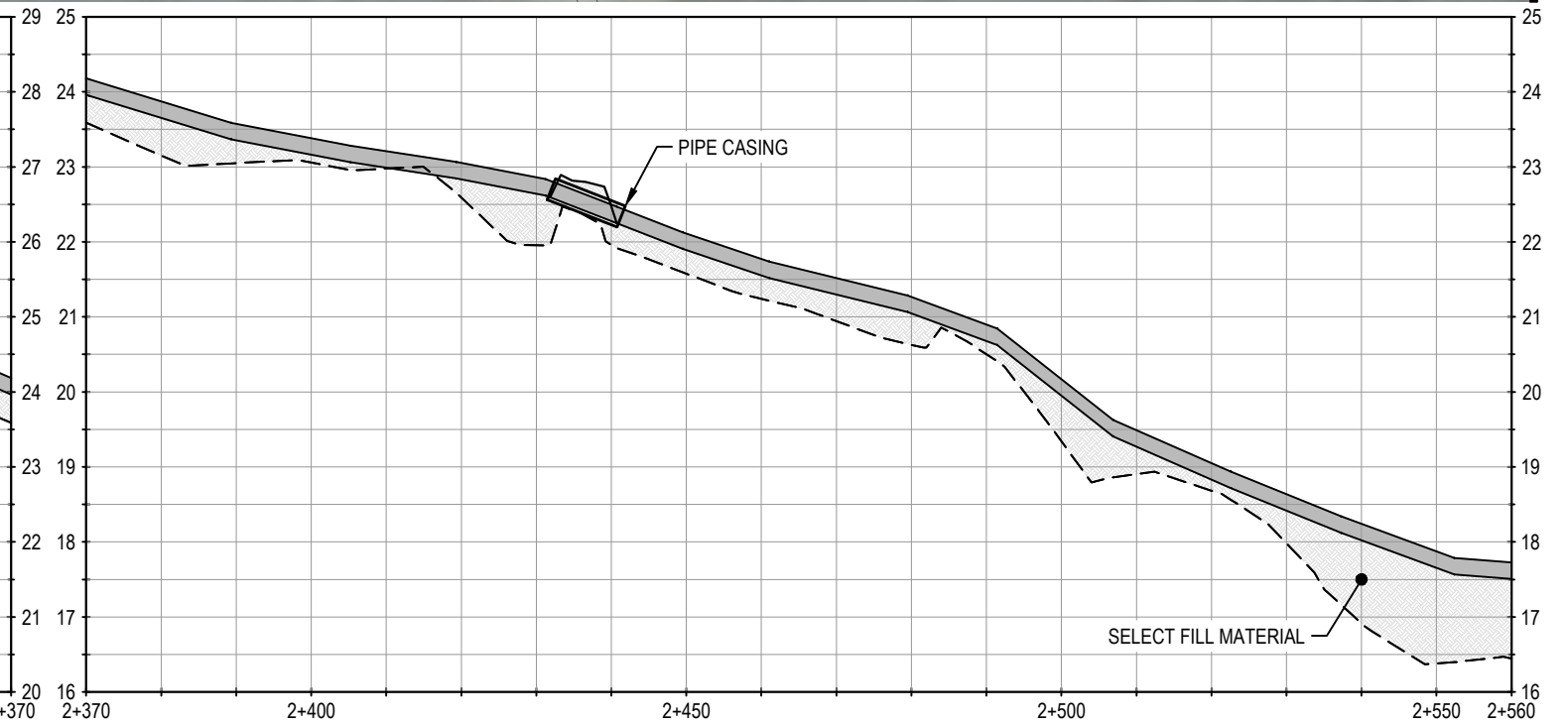
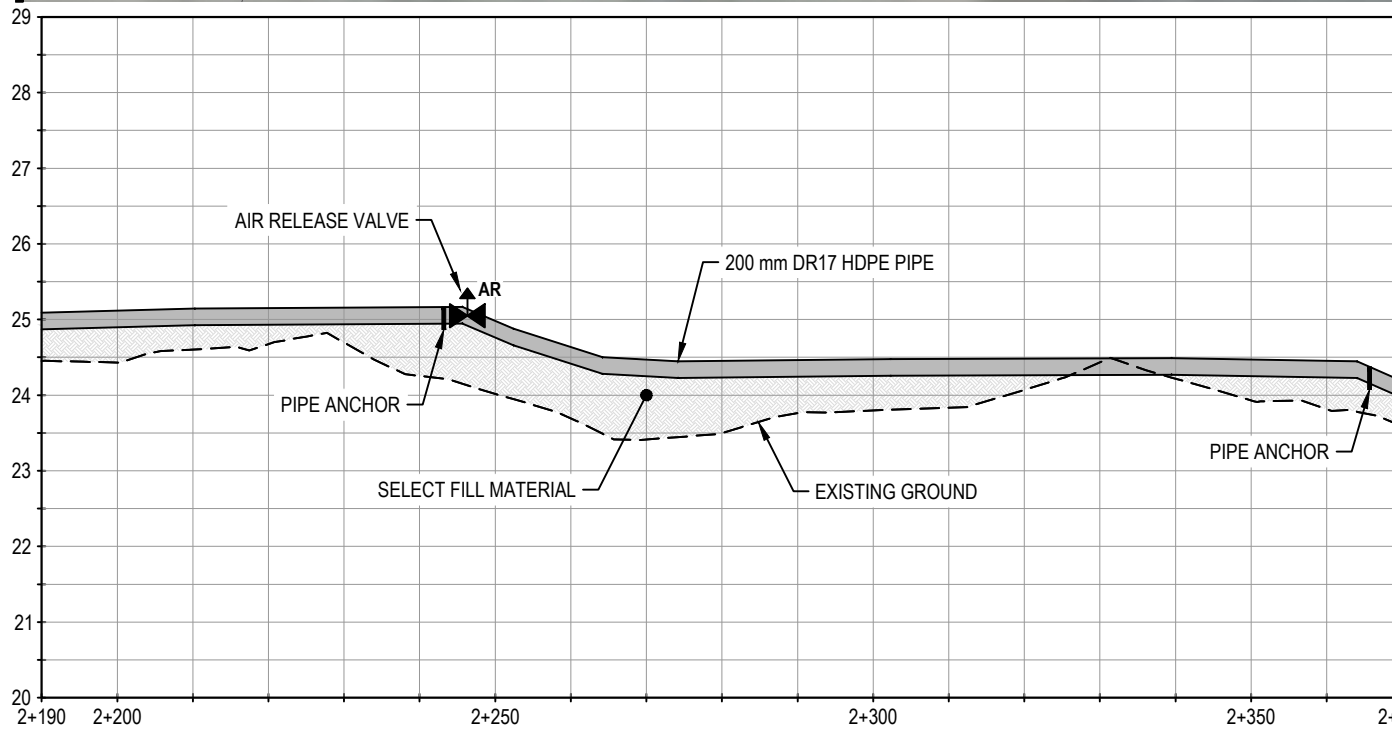
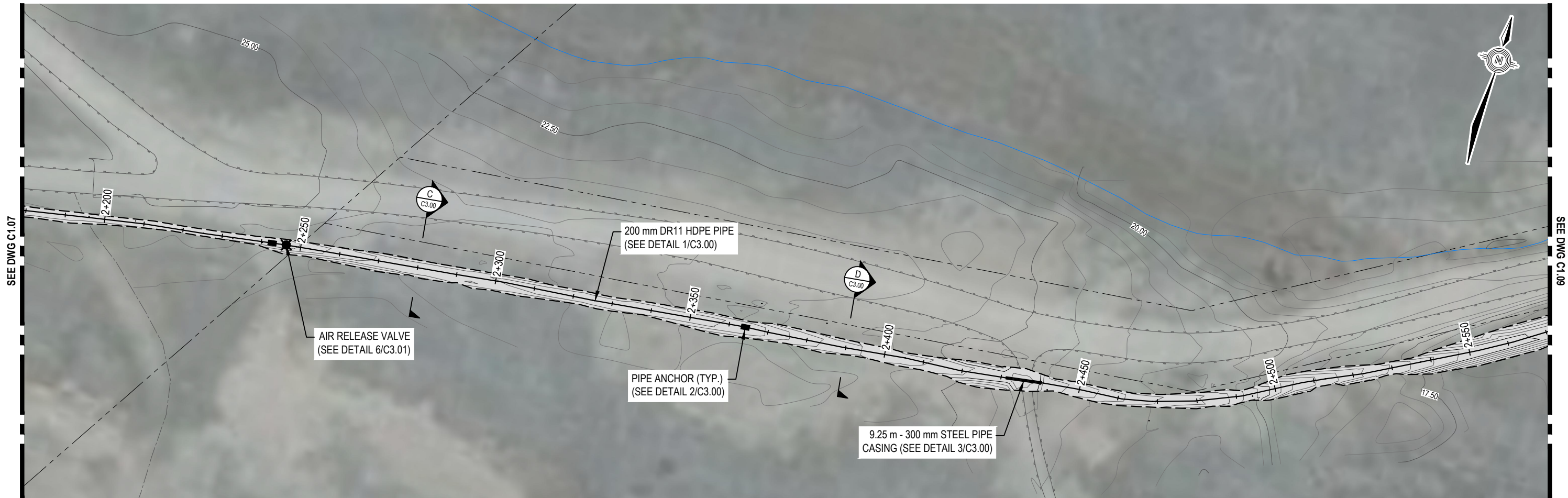


WATER TRANSMISSION LINE DESIGN
CHESTERFIELD INLET, NUNAVUT

PLAN AND PROFILE

PROJECT NO. WTRM03121-01	OFFICE VANC	DES DNM	CKD ML	REV 2	DRAWING C1.07
DATE November 20, 2020	SHEET No. of	DWN JDM	APP DNM	STATUS REC	

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LEGEND

SCALE 1:100 (VERT.)



SCALE 1:1000 (HORIZ.)



NOTES

- All dimensions are in meters unless noted otherwise.
- Profile view is exaggerated by 10 times vertically.

NUM	DATE	DWN	CKD	APR	DESCRIPTION
2	11/20/20	JDM	ML	DNM	RECORD DRAWING
1	8/21/20	JDM	ML	DNM	FIELD DIRECTIVE 002
0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION

REVISIONS



PROFESSIONAL SEAL

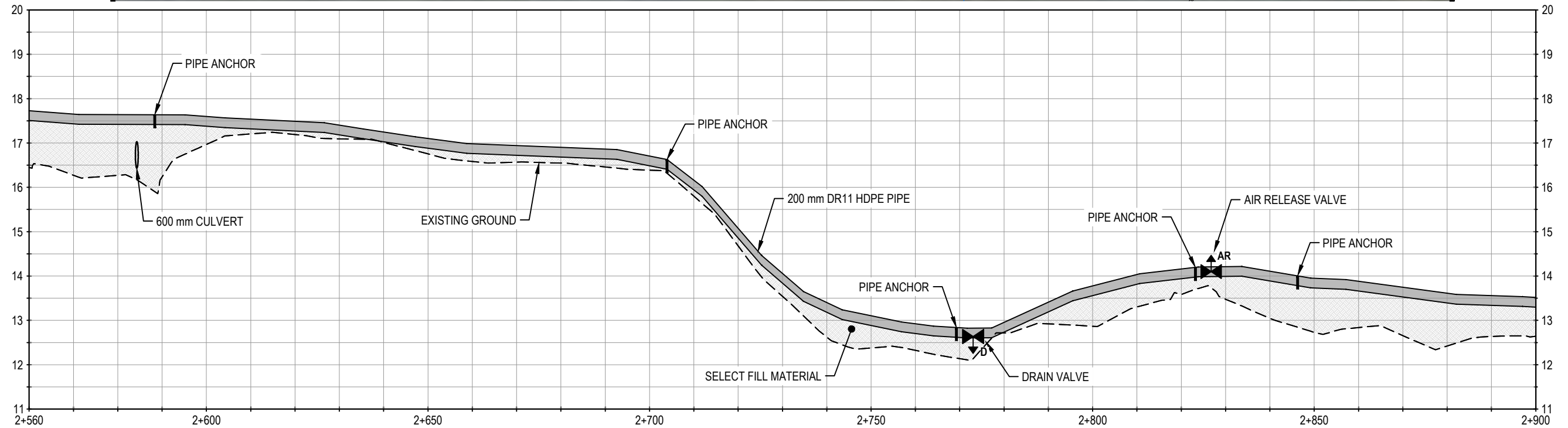
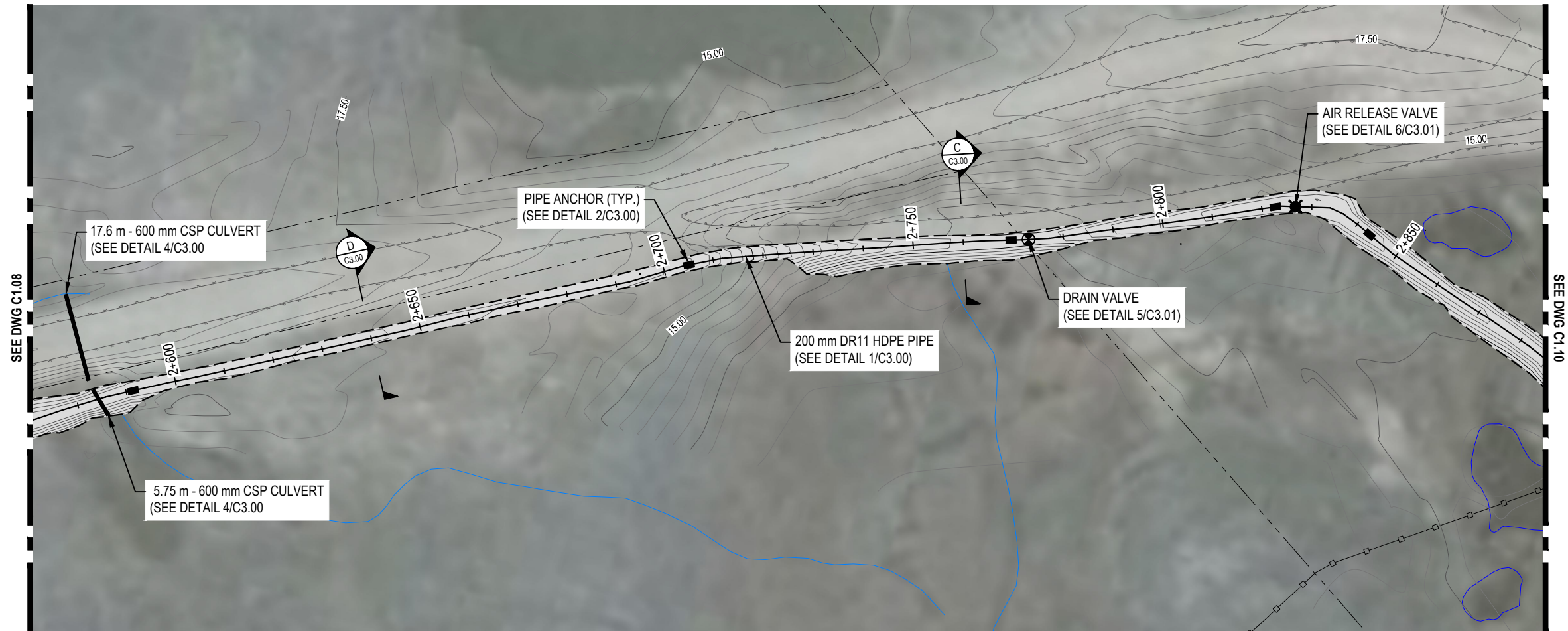
CLIENT



WATER TRANSMISSION LINE DESIGN CHESTERFIELD INLET, NUNAVUT

PLAN AND PROFILE

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
WTRM03121-01	VANC	DNM	ML	2	C1.08
DATE	SHEET No. of	DWN	APP	STATUS	
November 20, 2020		JDM	DNM	REC	



LEGEND

SCALE 1:100 (VERT.)



SCALE 1:1000 (HORIZ.)



NOTES

- All dimensions are in meters unless noted otherwise.
- Profile view is exaggerated by 10 times vertically.

NUM	DATE	DWN	CKD	APR	DESCRIPTION
3	11/20/20	JDM	ML	DNM	RECORD DRAWING
2	9/9/20	JDM	ML	DNM	FIELD DIRECTIVE 004
1	8/21/20	JDM	ML	DNM	FIELD DIRECTIVE 002
0	11/5/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION

REVISIONS

DESCRIPTION



PROFESSIONAL SEAL

CLIENT

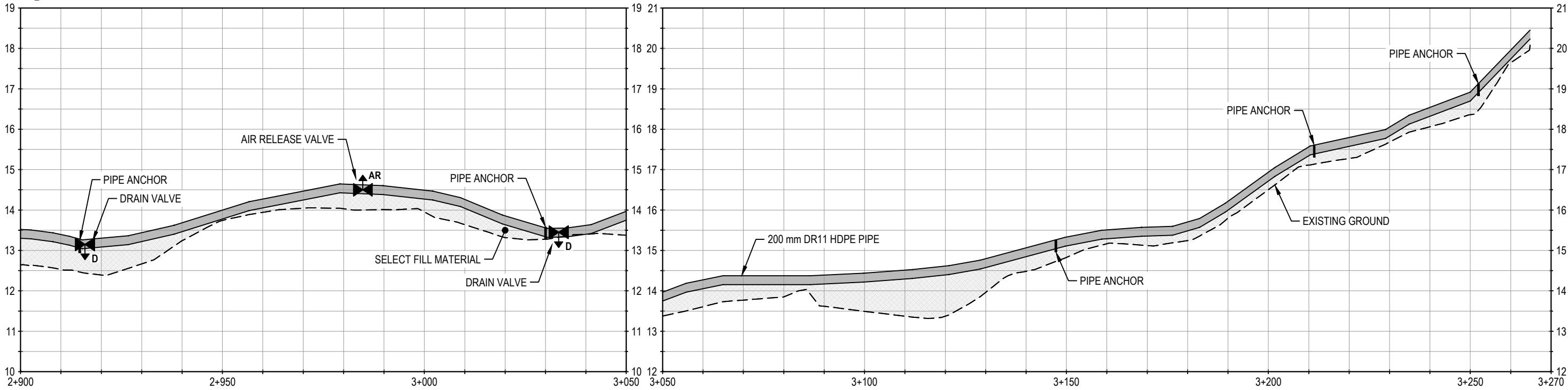


WATER TRANSMISSION LINE DESIGN CHESTERFIELD INLET, NUNAVUT

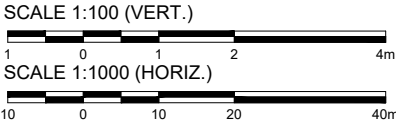
PLAN AND PROFILE

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
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DATE	SHEET No. of	DWN	APP	STATUS	
November 20, 2020		JDM	DNM	REC	

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LEGEND



NOTES

- All dimensions are in meters unless noted otherwise.
- Profile view is exaggerated by 10 times vertically.

NUM	DATE	DWN	CKD	APR	DESCRIPTION
3	11/20/20	JDM	ML	DNM	RECORD DRAWING
2	9/9/20	JDM	ML	DNM	FIELD DIRECTIVE 004
1	8/21/20	JDM	ML	DNM	FIELD DIRECTIVE 002
0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION

REVISIONS



CLIENT

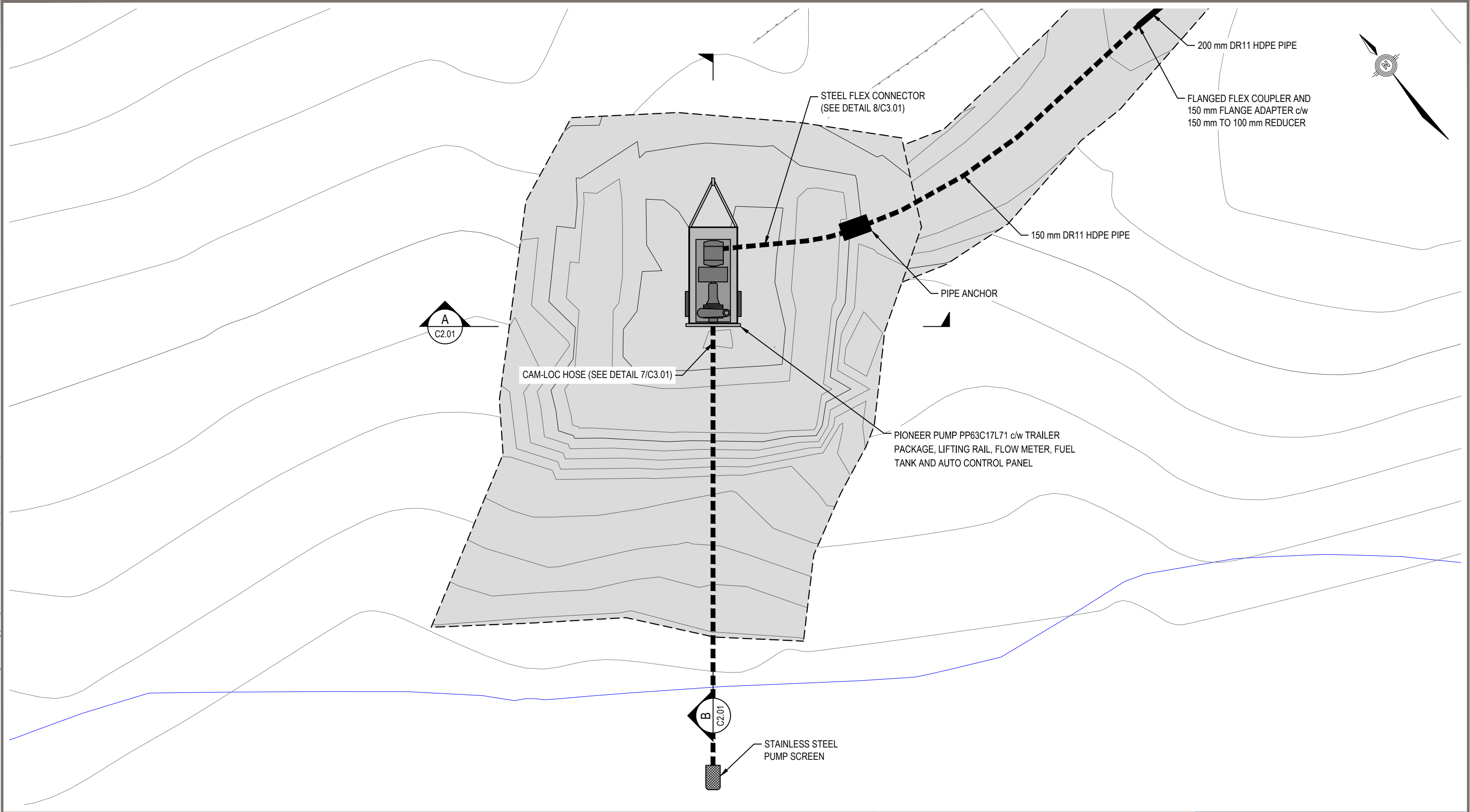


WATER TRANSMISSION LINE DESIGN
CHESTERFIELD INLET, NUNAVUT

PLAN AND PROFILE

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
WTRM03121-01	VANC	DNM	ML	3	C1.10
DATE	SHEET No.	DWN	APP	STATUS	
November 20, 2020	of	JDM	DNM	REC	

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LEGEND

NOTES

2	11/20/20	JDM	ML	DNM	RECORD DRAWING
1	2/12/20	JDM	ML	DNM	RFI 003
0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION
NUM	DATE	DWN	CKD	APR	DESCRIPTION

REVISIONS

PROFESSIONAL SEAL

CLIENT

WATER TRANSMISSION LINE DESIGN

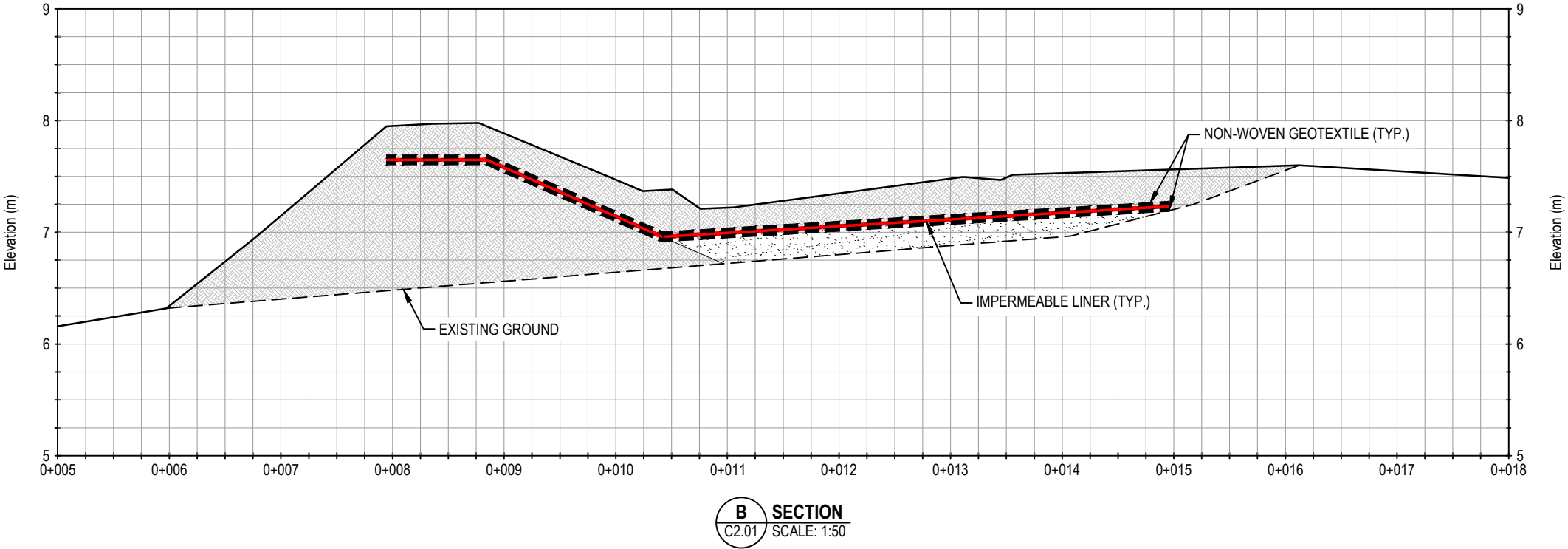
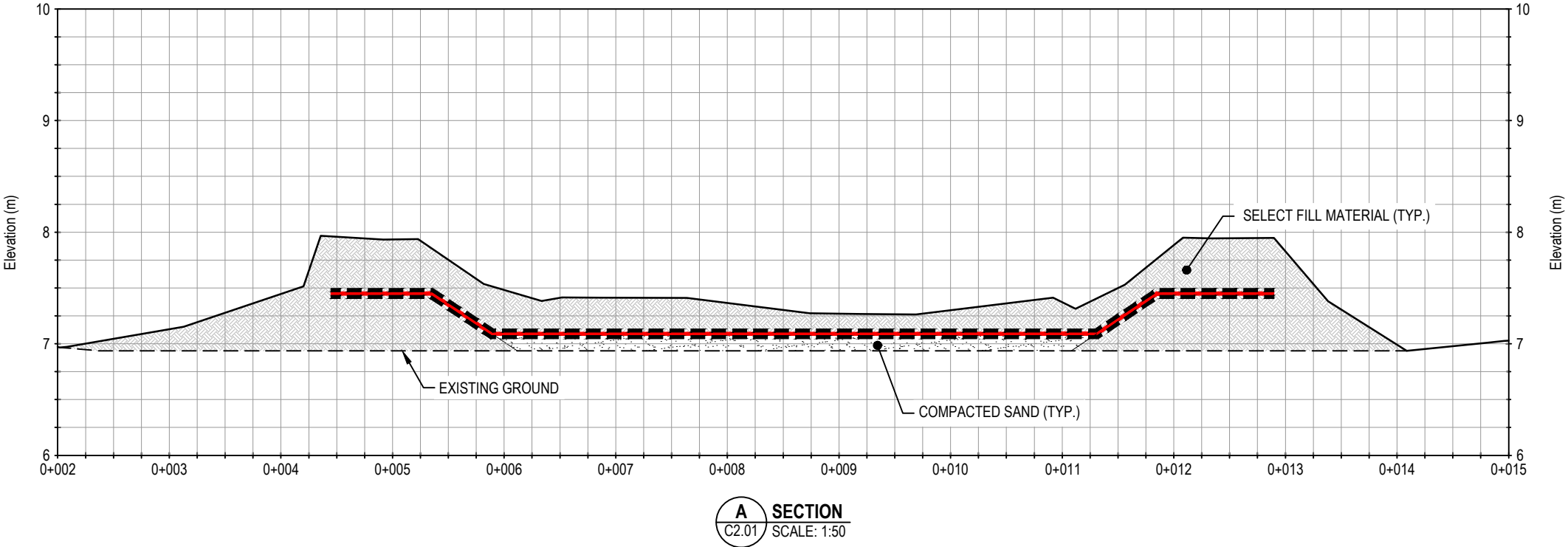
CHESTERFIELD INLET, NUNAVUT

PUMPING PAD

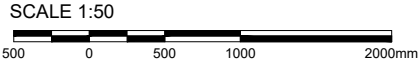
PLAN

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
WTRM03121-01	VANC	DNM	DNM	2	C2.00
DATE	SHEET No.	DWN	APP	STATUS	
November 20, 2020	of	JDM	DNM	REC	

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LEGEND



NOTES

NUM	DATE	DWN	CKD	APR	DESCRIPTION
2	11/20/20	JDM	ML	DNM	RECORD DRAWING
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0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION

REVISIONS



CLIENT

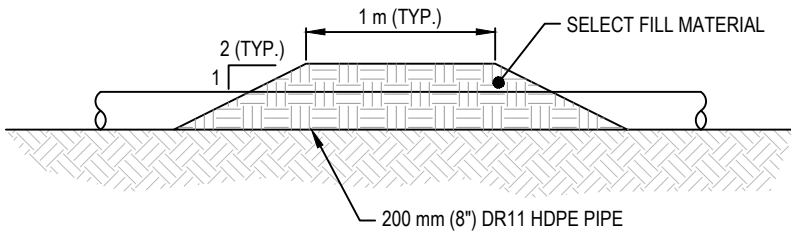
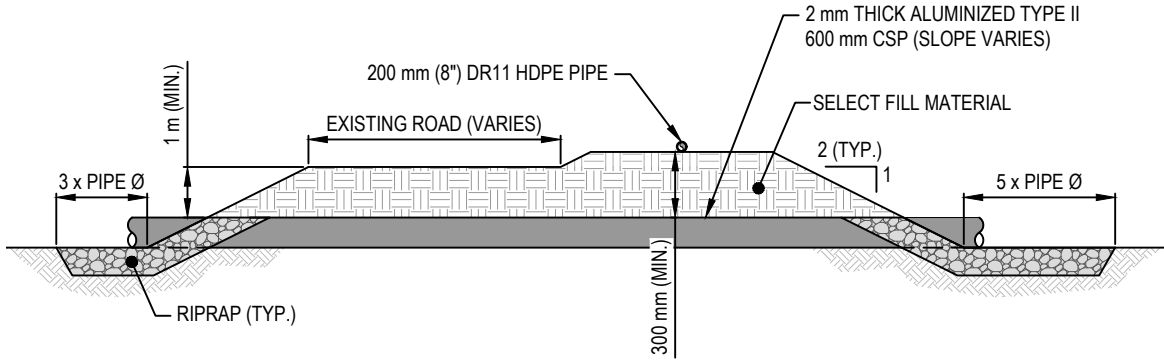
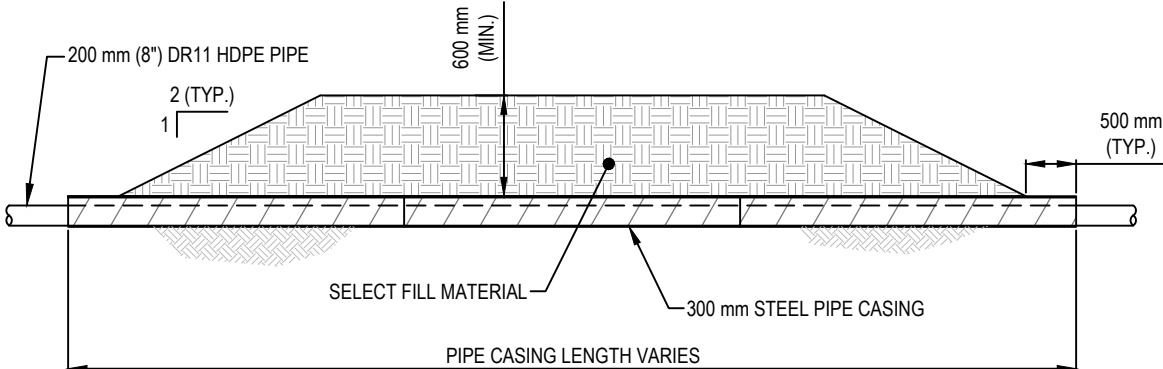
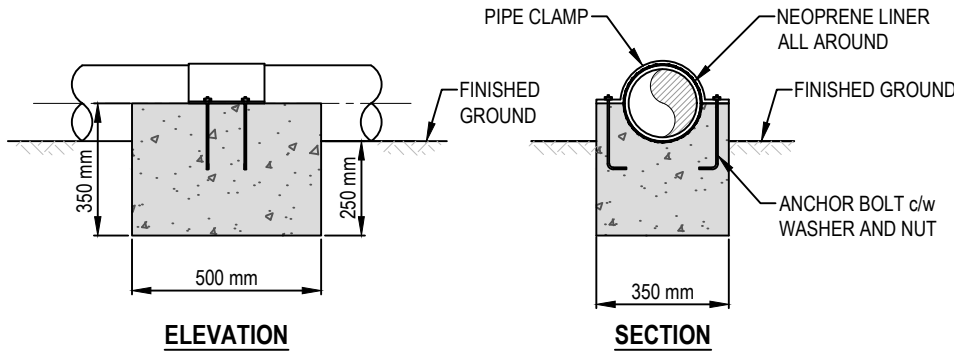
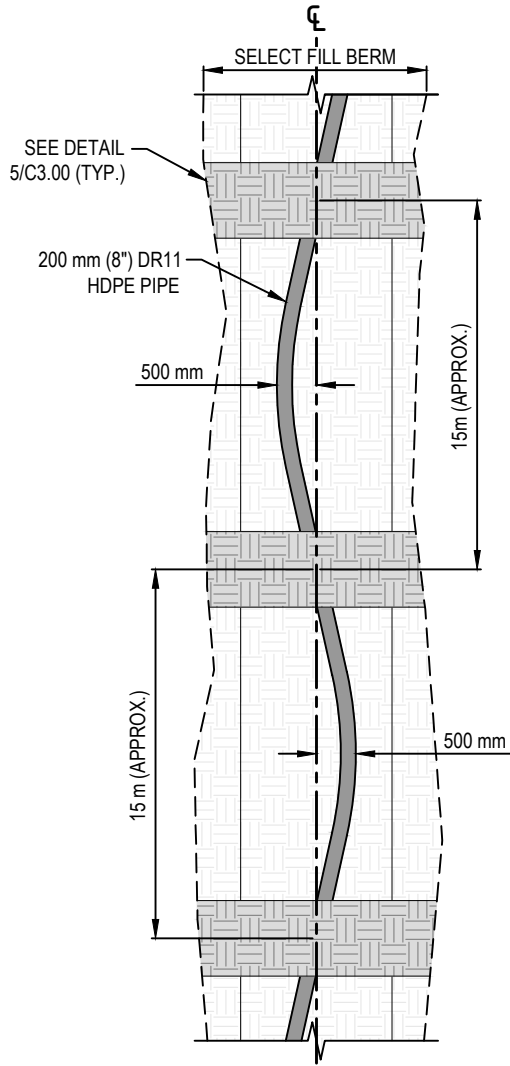
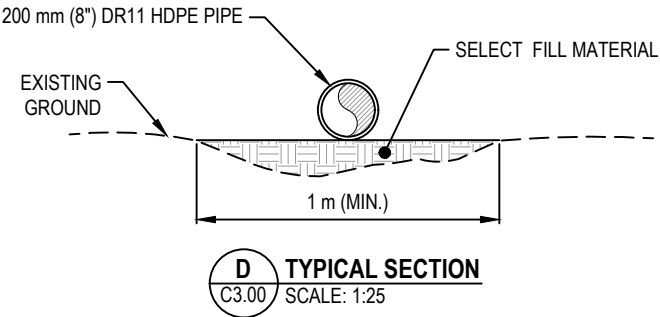
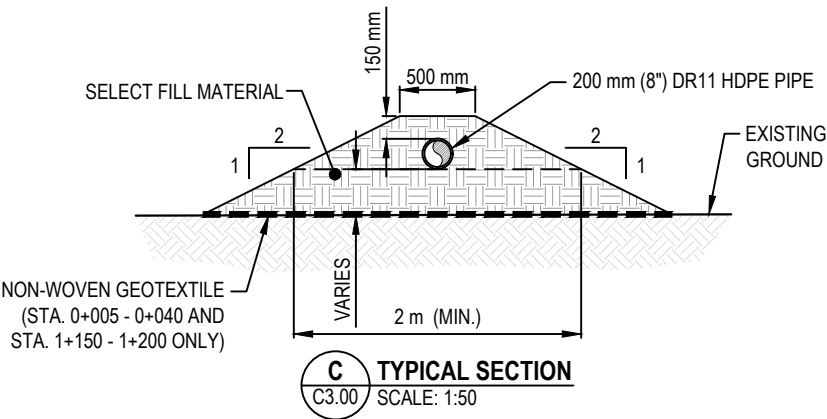


WATER TRANSMISSION LINE DESIGN
CHESTERFIELD INLET, NUNAVUT

PUMPING PAD
SECTIONS

PROJECT NO. WTRM03121-01	OFFICE VANC	DES DNM	CKD ML	REV 2	DRAWING C2.01
DATE November 20, 2020	SHEET No. of	DWN JDM	APP DNM	STATUS REC	

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LEGEND

NOTES

NUM	DATE	DWN	CKD	APR	DESCRIPTION
3	11/20/20	JDM	ML	DNM	RECORD DRAWING
2	8/21/20	JDM	ML	DNM	FIELD DIRECTIVE 002
1	4/23/20	ML	ML	DNM	FIELD DIRECTIVE 001
0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION



CLIENT

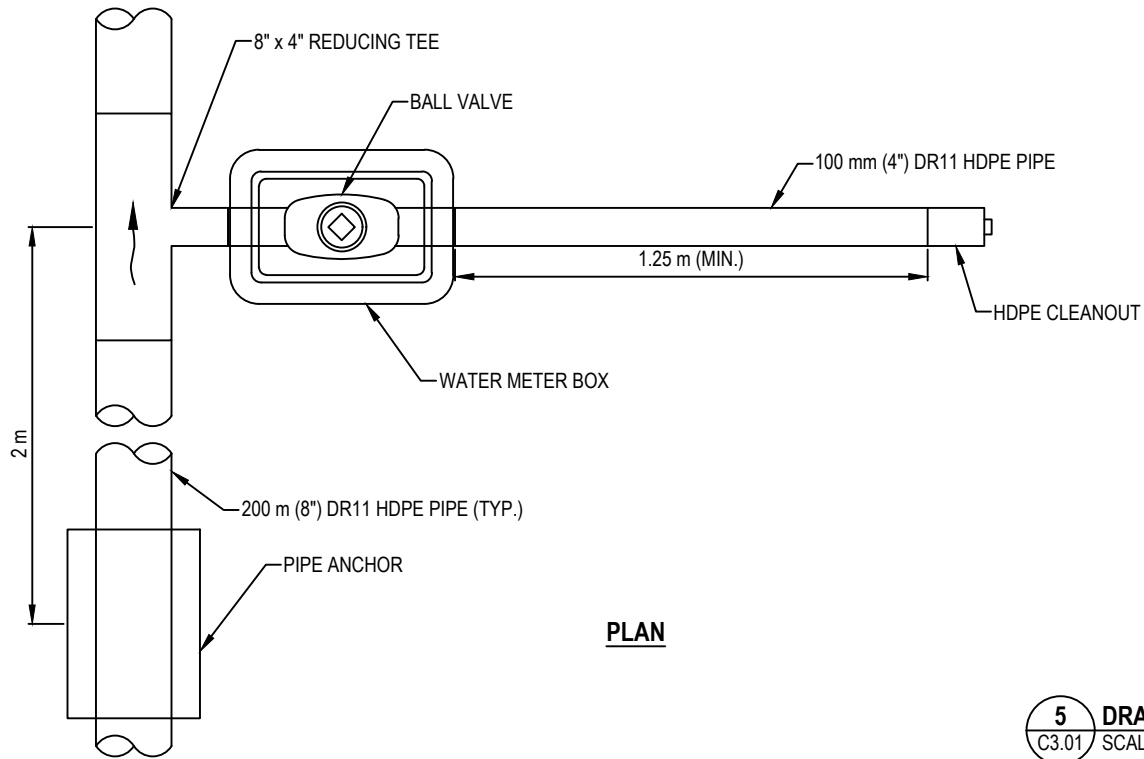


WATER TRANSMISSION LINE DESIGN
CHESTERFIELD INLET, NUNAVUT

TYPICAL SECTION
AND DETAILS

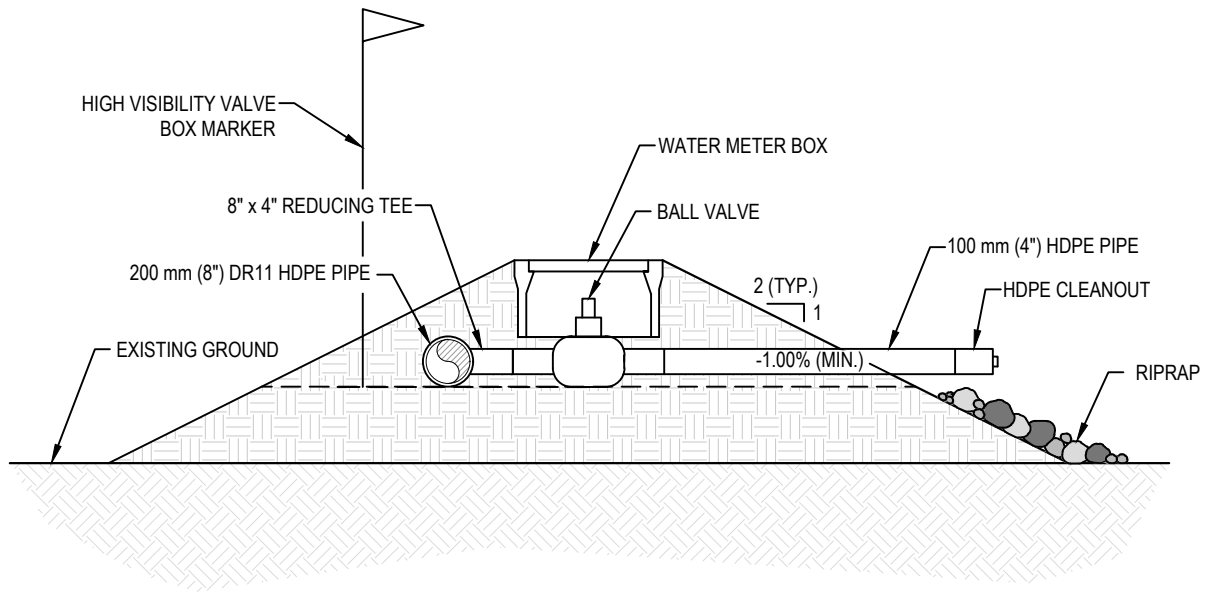
PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
WTRM03121-01	VANC	DNM	ML	3	C3.00
DATE	SHEET No.	DWN	APP	STATUS	
November 20, 2020	of	JDM	DNM	REC	

C:\Users\justin.nang\OneDrive - Tetra Tech, Inc\WTRM03121-01\WTRM03121-01 - Chesterfield Design Details, REC.dwg [C3.01] December 07, 2020 - 11:52:37 am (BY: MANG, JUSTIN)

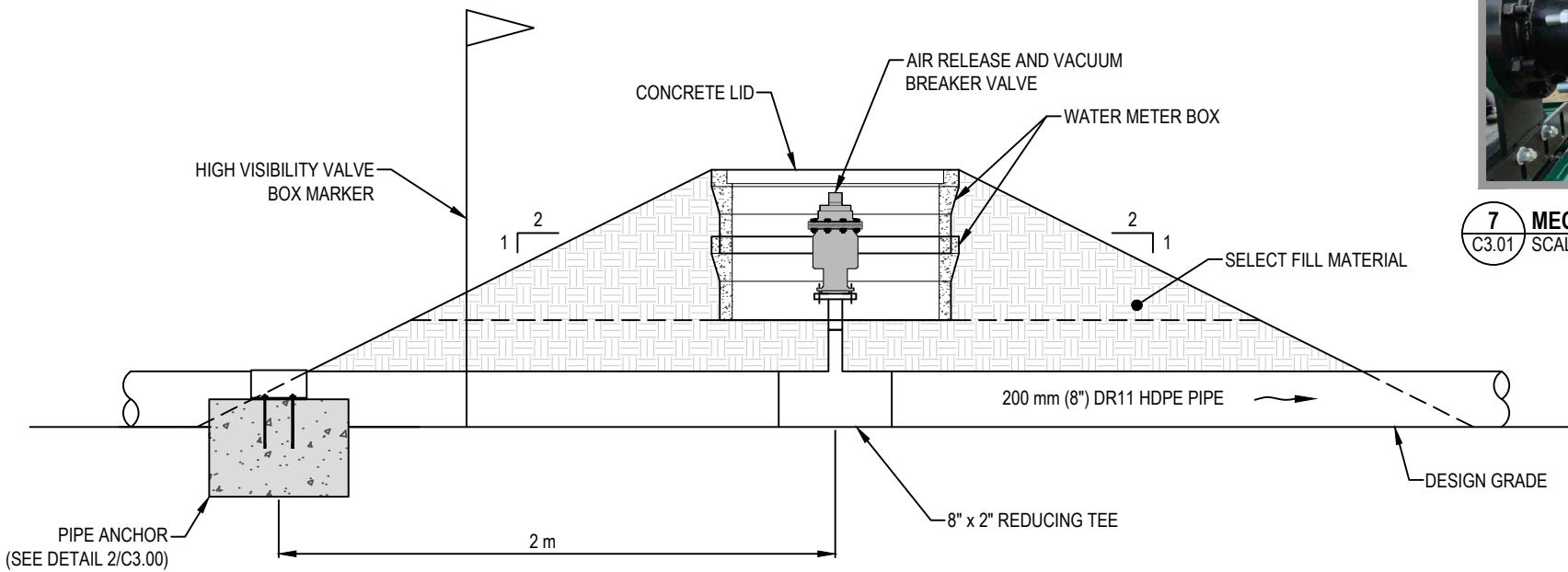


PLAN

5 DRAIN VALVE DETAIL
C3.01 SCALE: NTS



SECTION



6 AIR RELEASE VALVE DETAIL
C3.01 SCALE: NTS



7 MECHANICAL JOINT ADAPTER DETAIL
C3.01 SCALE: NTS

Diameter (In.)	Length (In.)		Bend Radius (In.)		Pressure (PSIG)	
	Overall [O.A.L.]	Live [L.L.]	Dynamic	Static	Working	Burst
6"	36"		36"	19"	70°F 165	70°F 660

ITEM	QUAN.	DESCRIPTION	MATERIAL
1	1	6" - Floating Plate Flange 150#	Carbon Steel
2	1	6" - Type 'C' Stub End	Stainless Steel T304
3	2	Braid Sleeve	Stainless Steel T304
4	1	SINGLE Braid	Stainless Steel T304
5	1	Annular Corrugated Metal Hose	Stainless Steel T321
6	1	6" - Plate Flange 150# F/F	Carbon Steel

8 STEEL FLEX CONNECTOR DETAIL
C3.01 SCALE: NTS

LEGEND

NOTES

NUM	DATE	DWN	CKD	APR	DESCRIPTION
2	11/20/20	JDM	ML	DNM	RECORD DRAWING
1	8/21/20	JDM	ML	DNM	FIELD DIRECTIVE 002
0	11/12/19	JDM	ML	DNM	ISSUED FOR CONSTRUCTION

REVISIONS



PROFESSIONAL SEAL

CLIENT



WATER TRANSMISSION LINE DESIGN
CHESTERFIELD INLET, NUNAVUT

DETAILS

PROJECT NO.	OFFICE	DES	CKD	REV	DRAWING
WTRM03121-01	VANC	DNM	ML	2	C3.01
DATE	SHEET No.	DWN	APP	STATUS	
November 20, 2020	of	JDM	DNM	REC	