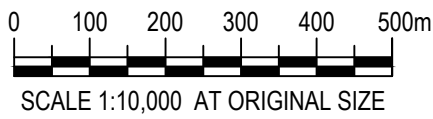




P01 PRELIMINARY ISSUE			
Rev	Description	Checked	Approved
Author	S. SEATH	Drafting Check	Reg No.
Designer	L. WARDENAAR	Design Check	J. TUCK



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Project No.
12682240

Client	OCEANAGOLD
Project	MACRAES ENGINEERED DRAIN DESIGN
Status	PRELIMINARY

Drawing Title
SITE LOCATION - CORONATION

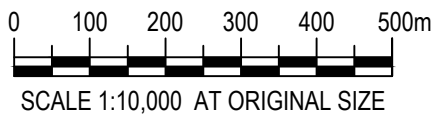
Drawing No.
12682240-GHD-00-00-DRG-00011

Size
A1

Rev
P01



P01 PRELIMINARY ISSUE			
Rev	Description	Checked	Approved
Author	S. SEATH	Drafting Check	Reg No.
Designer	L. WARDENAAR	Design Check	J. TUCK
Date		Date	



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Project No.
12682240

Client OCEANAGOLD
Project MACRAES ENGINEERED DRAIN DESIGN
Status PRELIMINARY

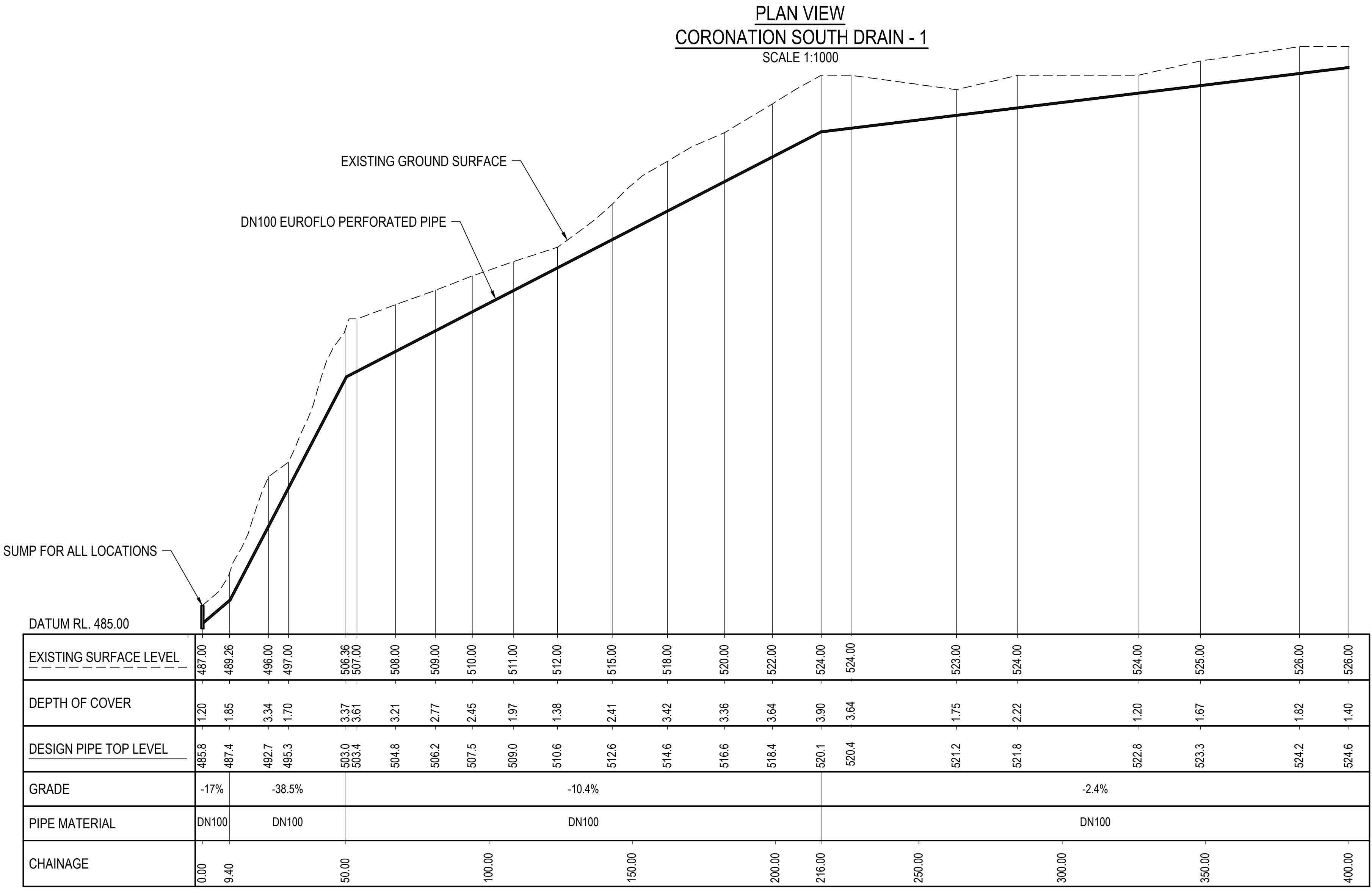
Drawing Title SITE LOCATION - FRASERS

12682240-GHD-00-00-DRG-00012

Drawing No.

Size
A1

Rev
P01



VERTICAL 1:200
AT ORIGINAL SIZE
HORIZONTAL 1:1000
AT ORIGINAL SIZE

P01	PRELIMINARY ISSUE	TO	JT	03/07/26
Rev	Description	Checked	Approved	Date
Author	S. SEATH	Drafting Check		Reg No.
Designer	L. WARDENAAR	Design Check	J. TUCK	Date

Plot Date: 7 July 2026 - 2:47 PM
Plotted by: Sharon Seath

File Name: N:\NZ\Christchurch\Projects\51\12682240\CADD\Drawings\12682240-GHD-00-00-DRG-00015-00017.dwg



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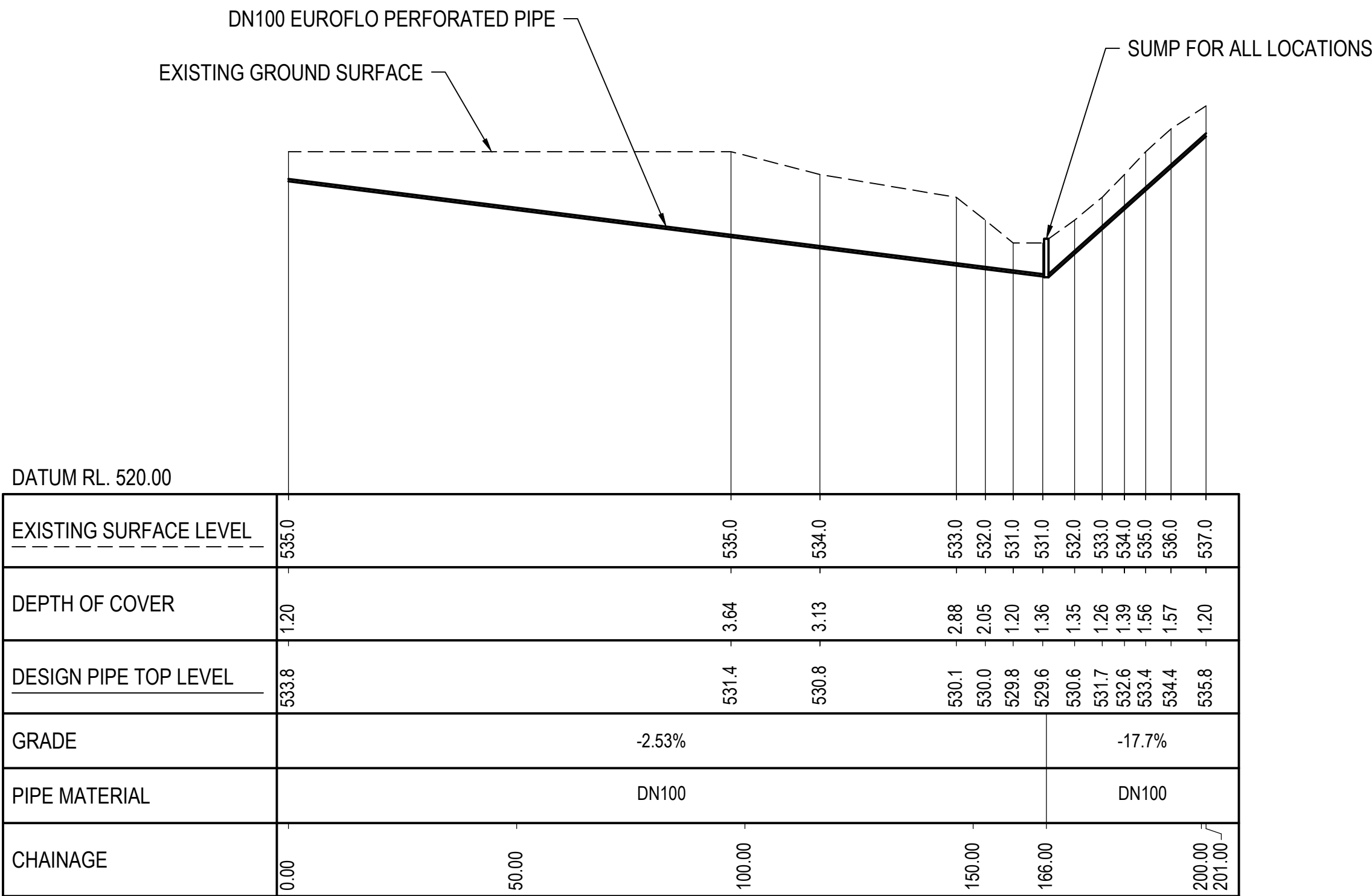
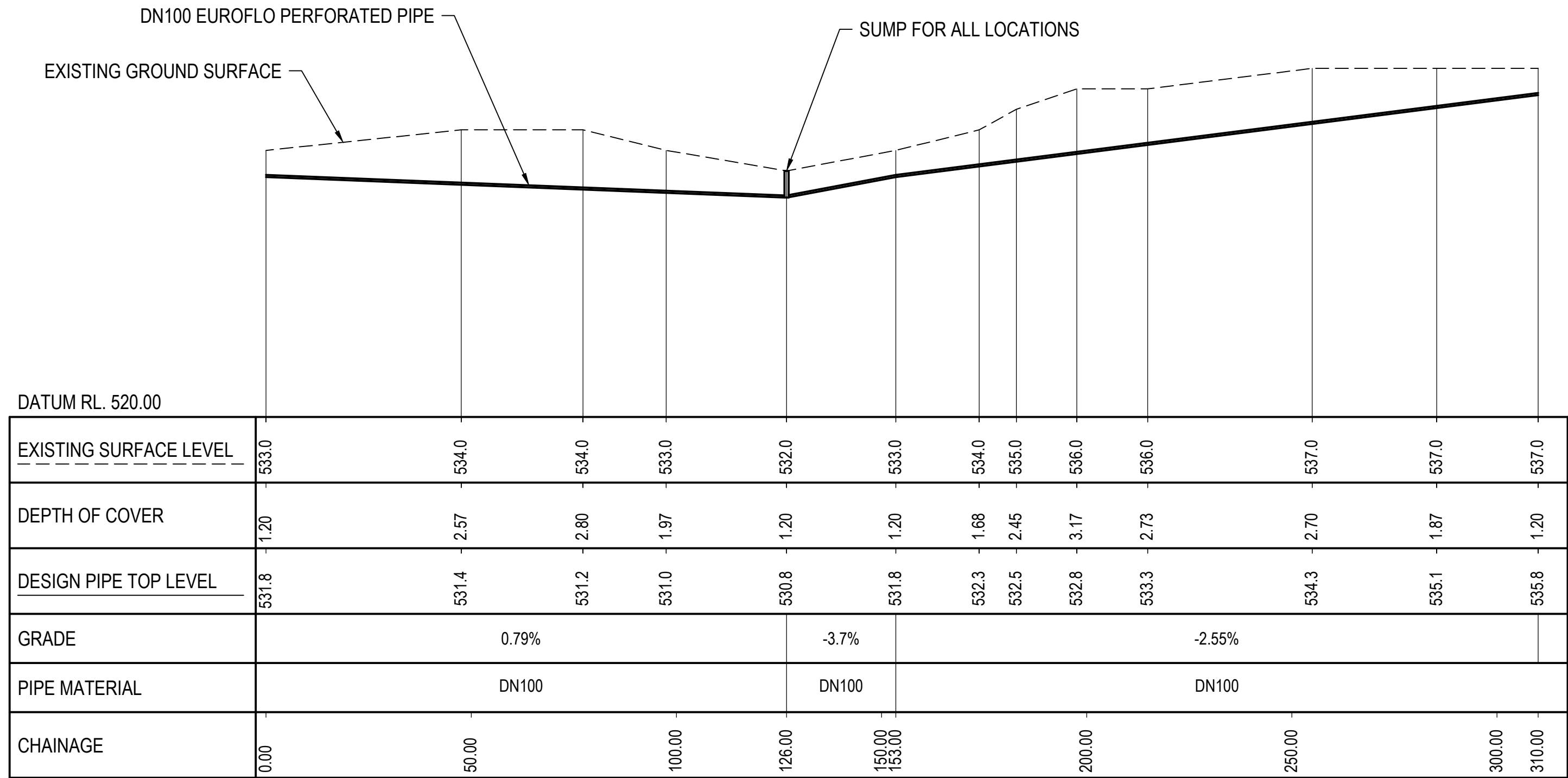
Client	OCEANAGOLD
Project	MACRAES ENGINEERED DRAIN DESIGN
Status	PRELIMINARY

Drawing Title
PLAN AND LONG SECTION
CORONATION SOUTH DRAIN - 1

Drawing No.
12682240-GHD-00-00-DRG-00015

Size
A1

Rev
P01



VERTICAL 1:200
AT ORIGINAL SIZE
HORIZONTAL 1:1000
AT ORIGINAL SIZE

P01 PRELIMINARY ISSUE			
Rev	Description	Checked	Approved
Author	S. SEATH	Drafting Check	Reg No.
Designer	L. WARDENAAR	Design Check	Date

LONG SECTION

CORONATION NORTH DRAIN - 2

SCALE 1:1000

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Project No.
12682240

Client OCEANAGOLD
Project MACRAES ENGINEERED DRAIN DESIGN
Status PRELIMINARY

Drawing Title
PLAN AND LONG SECTIONS
CORONATION NORTH DRAINS - 2 & 3

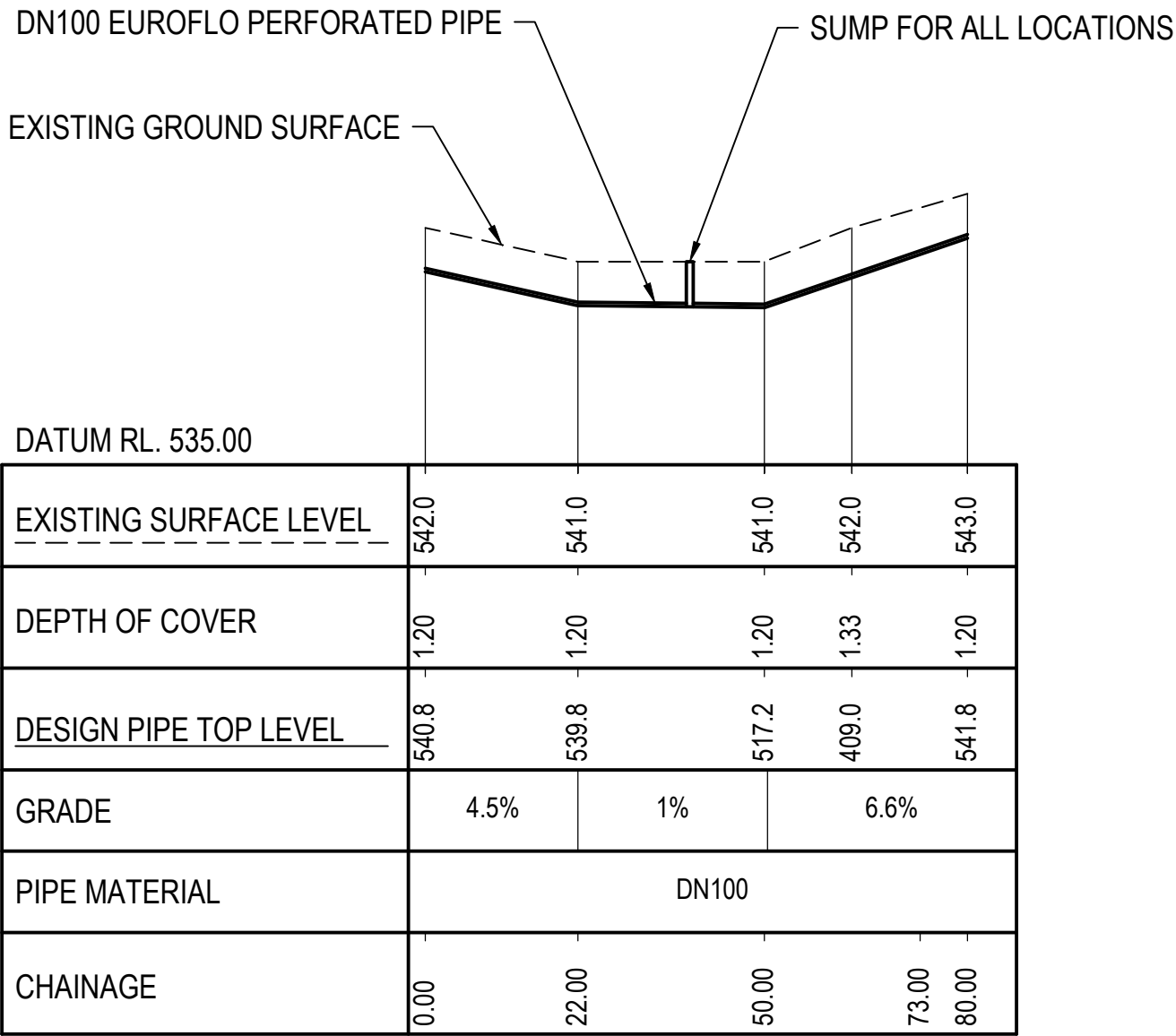
Drawing No.
12682240-GHD-00-00-DRG-00016

Size
A1

Rev
P01



PLAN VIEW
CORONATION NORTH DRAIN - 4
SCALE 1:1000



LONG SECTION
CORONATION NORTH DRAIN - 4
SCALE 1:1000

VERTICAL 1:200
AT ORIGINAL SIZE
HORIZONTAL 1:1000
AT ORIGINAL SIZE

0 2 4 6 8 10m
0 10 20 30 40 50m

P01	PRELIMINARY ISSUE	TO	JT	03/07/26
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Author	S. SEATH	Drafting Check		Reg No.
Designer	L. WARDENAAR	Design Check	J. TUCK	Date

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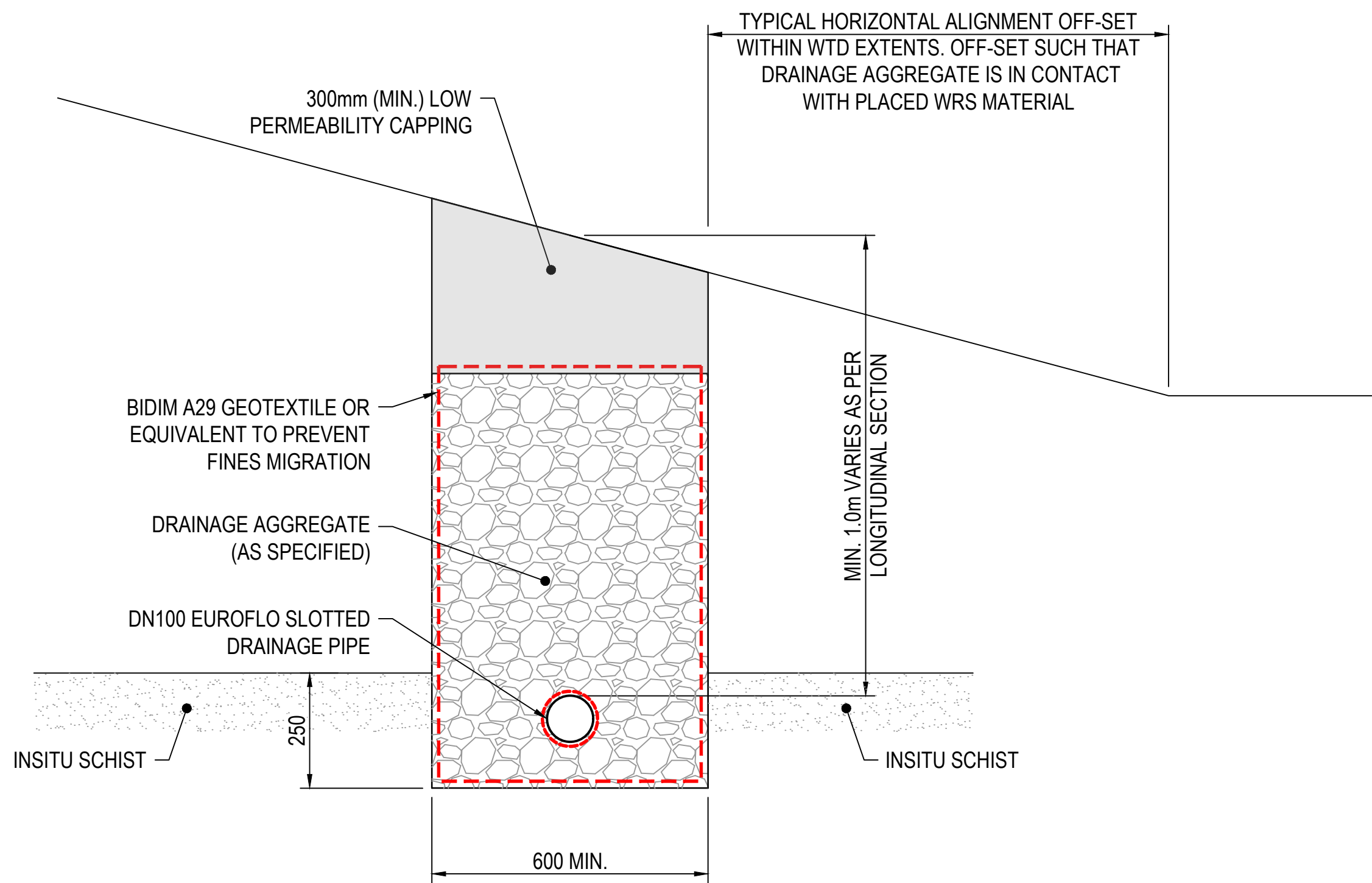
Client	OCEANAGOLD
Project	MACRAES ENGINEERED DRAIN DESIGN
Status	PRELIMINARY

Drawing Title
PLAN AND LONG SECTION
CORONATION NORTH DRAIN - 4

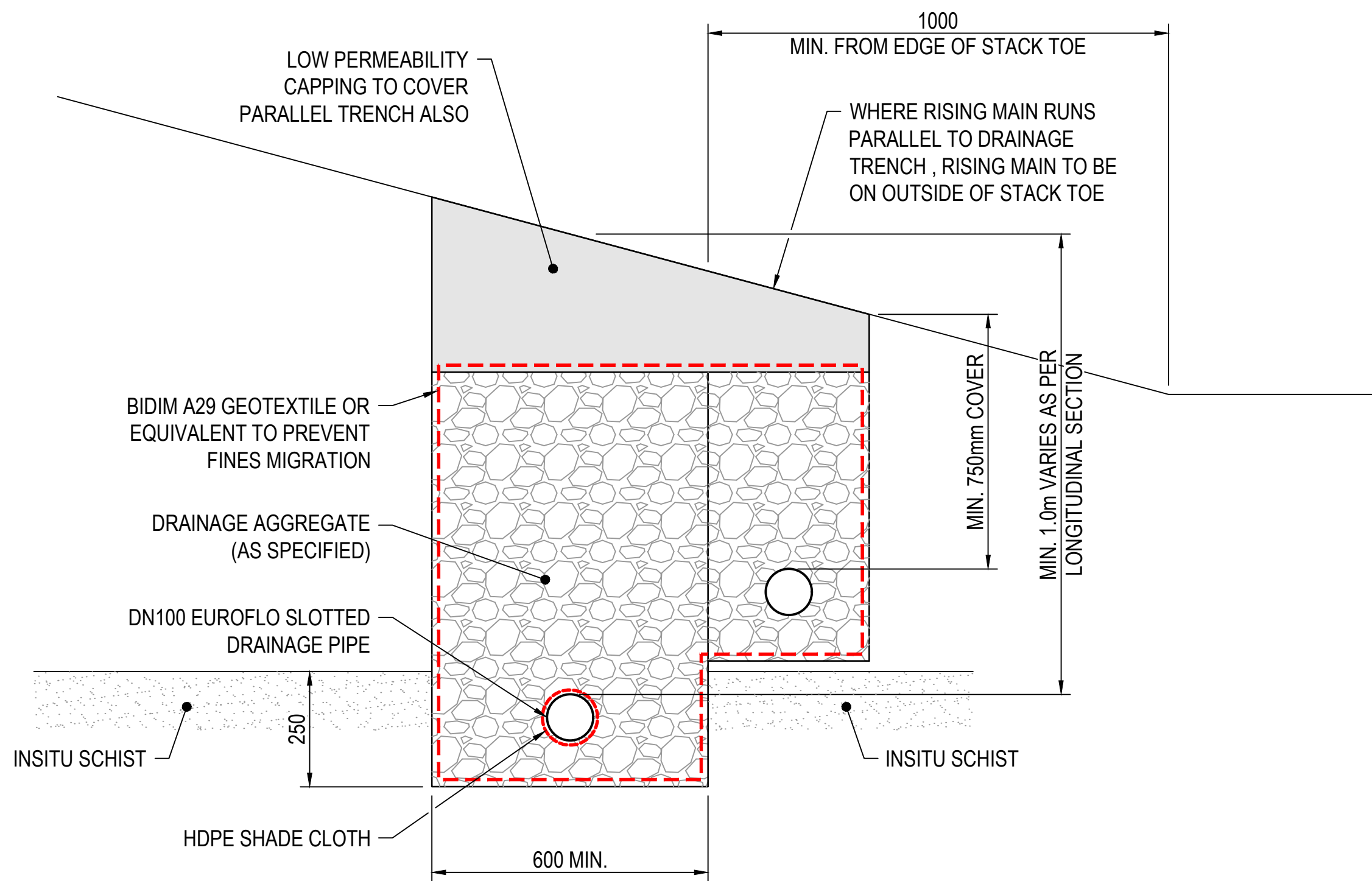
Drawing No.
12682240-GHD-00-00-DRG-00017

Size
A1

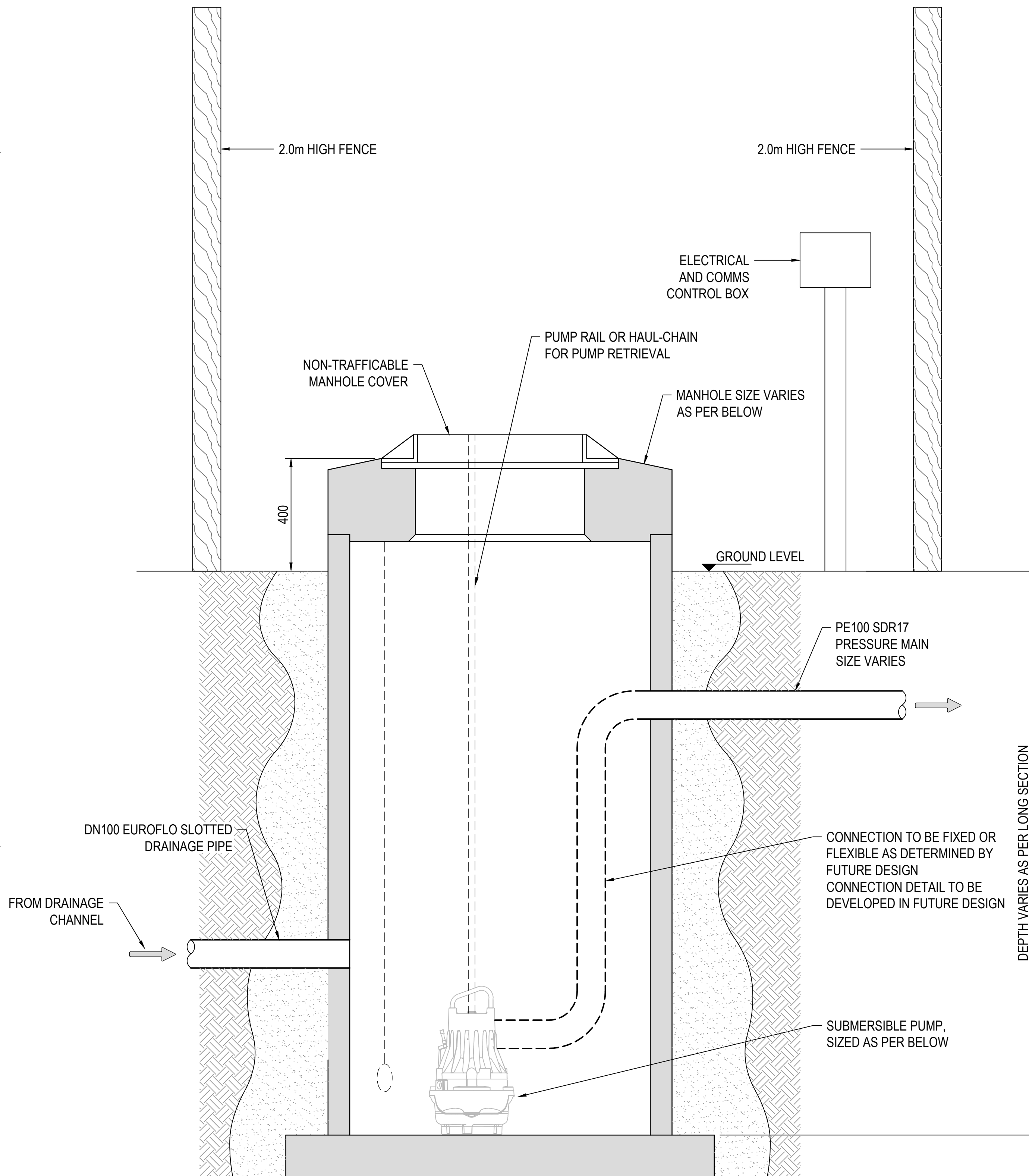
Rev
P01



**TYPICAL ENGINEERING DRAINAGE
CHANNEL CROSS-SECTION**
NOT TO SCALE



**TYPICAL DUAL PIPELINE
CROSS-SECTION**
NOT TO SCALE



TYPICAL MANHOLE DETAIL
NOT TO SCALE

PUMP kW AND MH SIZES CORONATION			
PUMP ID	DESIGN FLOW (m3/d)	PUMP kW	MH SIZE
C1	0.27	7.5	1050
C2	0.42	6.1	1050
C3	0.7	2.9	1400
C4	1.22	31.3	1800
C5	1.3	6	2050
C6	0.29	3.1	1050
C7	2.41	9.1	2300
C8	0.35	5.35	1050
C9	3.63	52.3	-
C10	0.64	5.6	1400

PUMP kW AND MH SIZES FRASERS			
PUMP ID	DESIGN FLOW (m3/d)	PUMP kW	MH SIZE
F1	0.47	7.2	1200
F2	1.94	30	2300
F3	0.82	8.1	1500
F4	1.32	3.7	2050
F5	6.30	31.2	2300

P01	PRELIMINARY ISSUE	TO	JT	03/07/26
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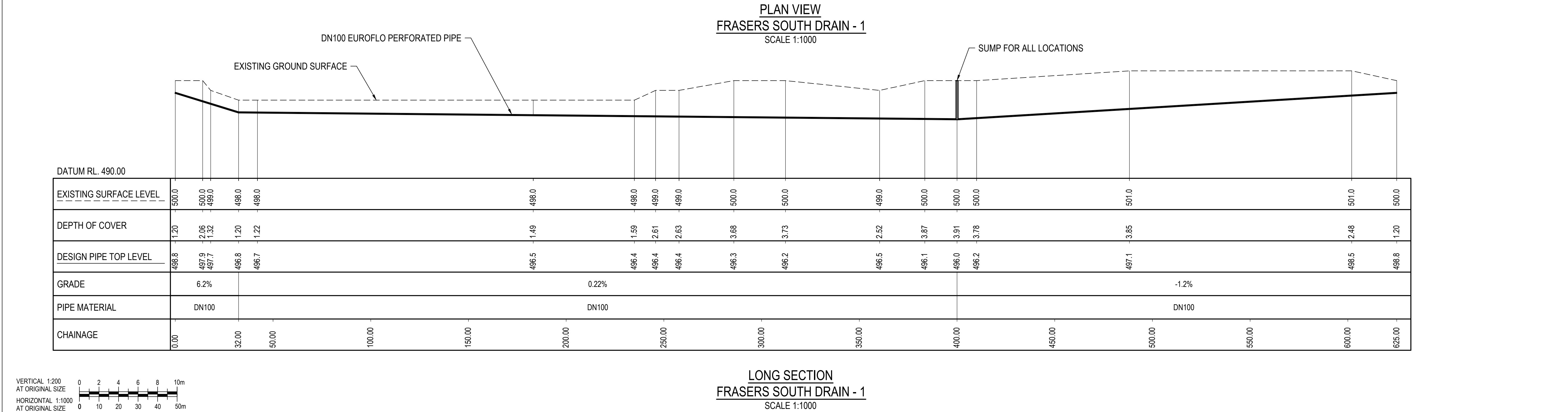
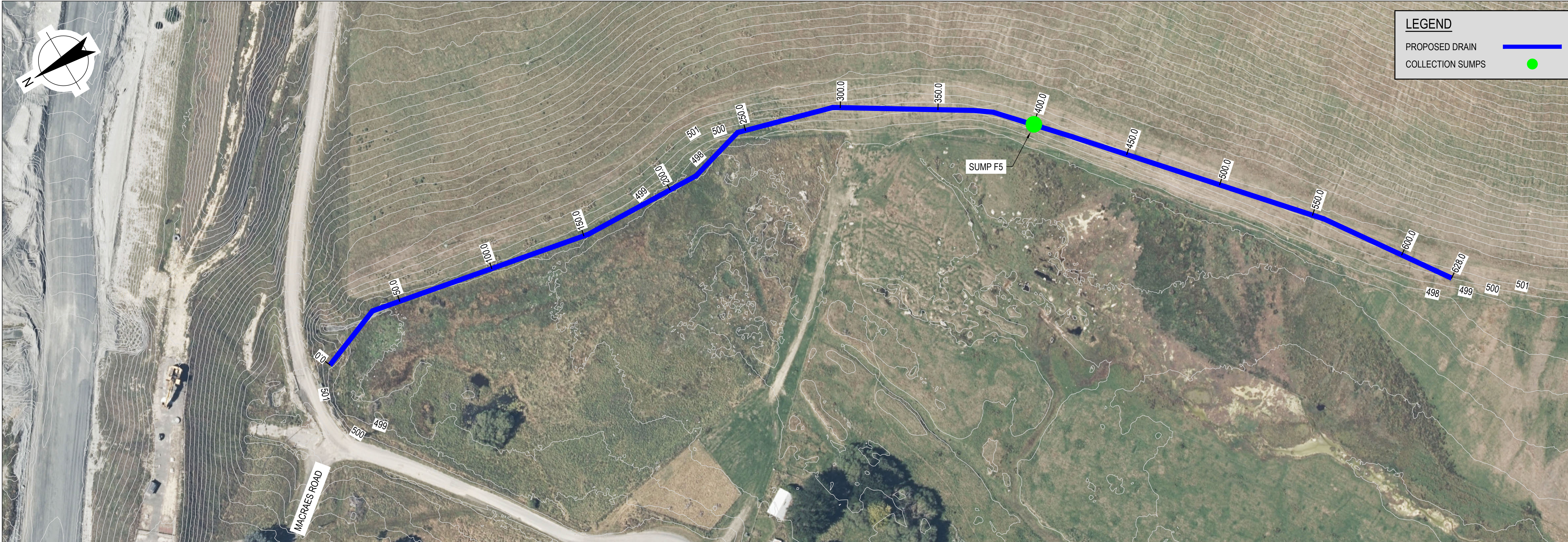
Client OCEANAGOLD
Project MACRAES ENGINEERED DRAIN DESIGN
Status PRELIMINARY

Drawing Title
TYPICAL DETAILS - SHEET 1

12682240-GHD-00-00-DRG-00018

Size
A1

Rev
P01



P01	PRELIMINARY ISSUE	TO	JT	03/07/26
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Client
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Project
MACRAES ENGINEERED DRAIN DESIGN

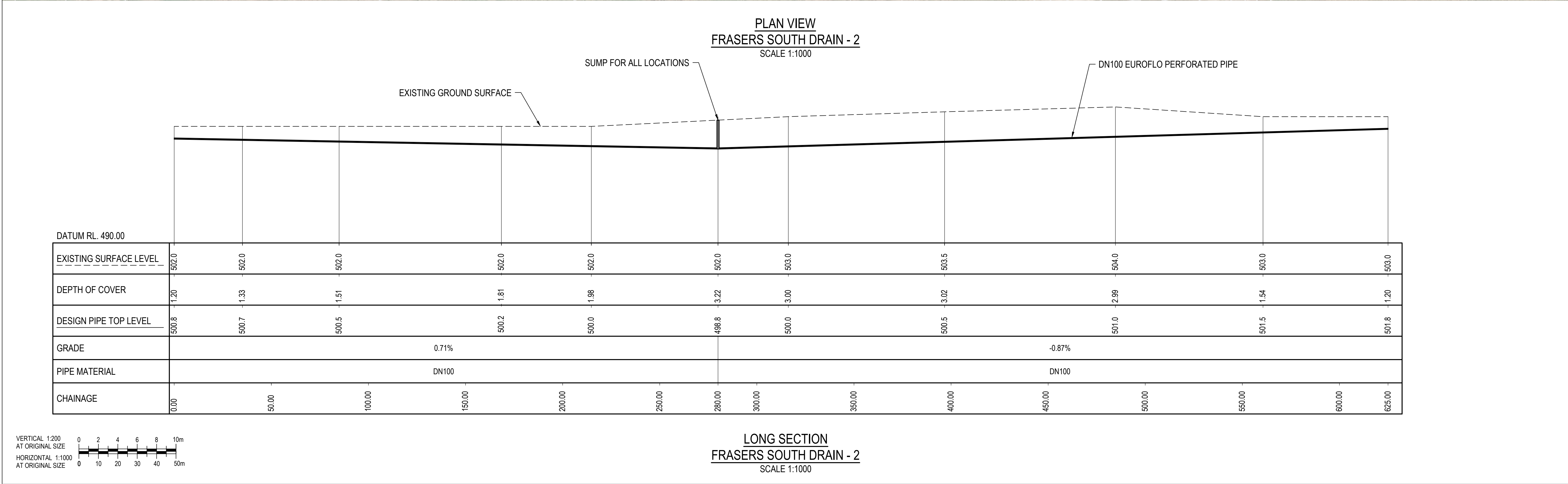
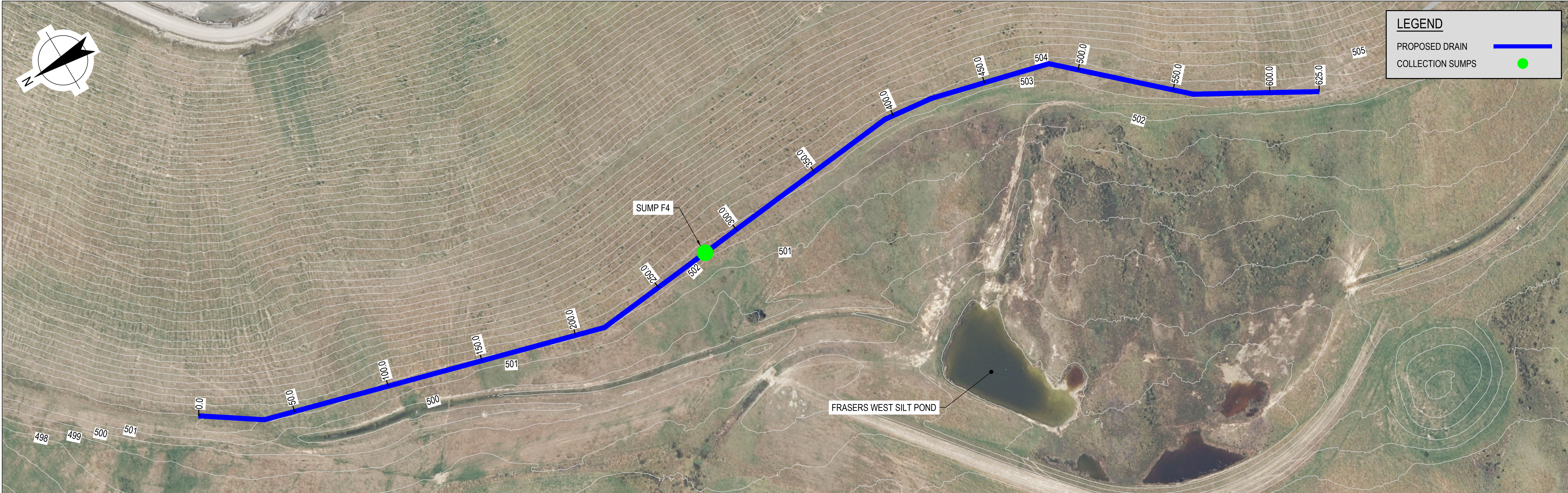
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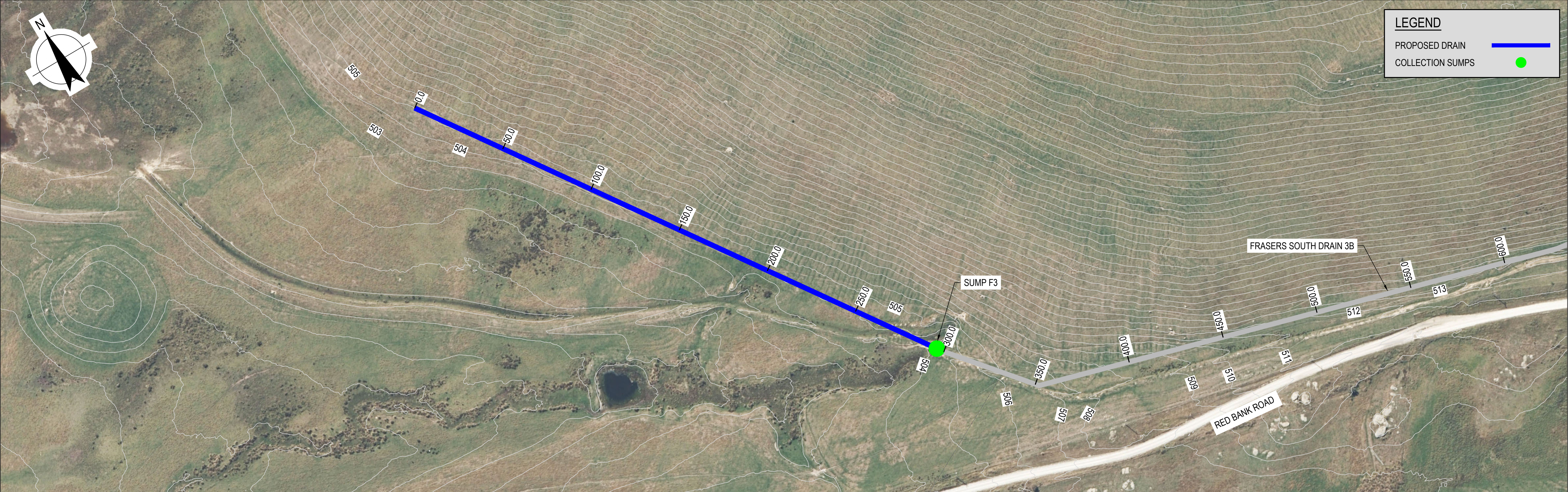
Drawing Title
PLAN AND LONG SECTION
FRASERS SOUTH DRAIN - 1

Drawing No.
12682240-GHD-00-00-DRG-00020

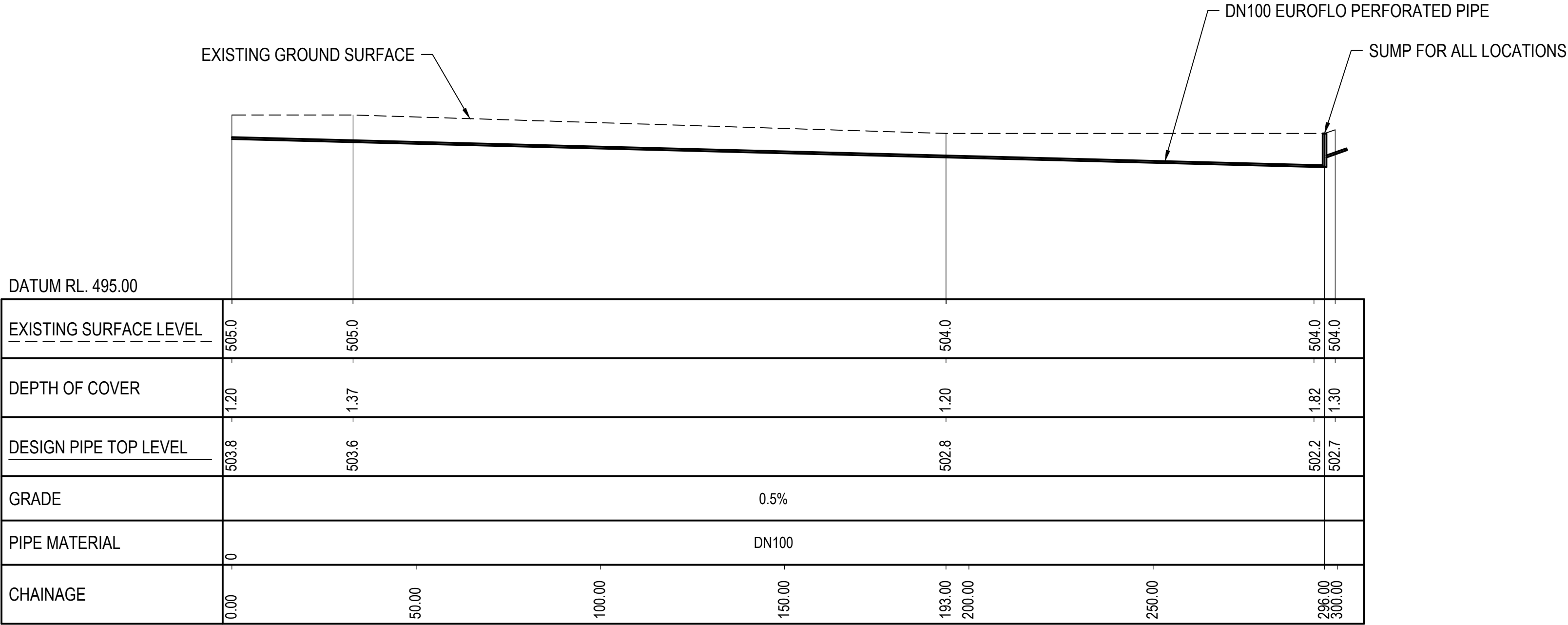
Rev
P01

Size
A1





PLAN VIEW
FRASERS SOUTH DRAIN - 3A
SCALE 1:1000



LONG SECTION
FRASERS SOUTH DRAIN - 3A
SCALE 1:1000

VERTICAL 1:200
AT ORIGINAL SIZE
HORIZONTAL 1:1000
AT ORIGINAL SIZE

Rev	Description	Checked	Approved	Date
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Project MACRAES ENGINEERED DRAIN DESIGN
Status PRELIMINARY

Drawing Title
PLAN AND LONG SECTION
FRASERS SOUTH DRAIN - 3A

Drawing No.
12682240-GHD-00-00-DRG-00022

Size
A1

Rev
P01

