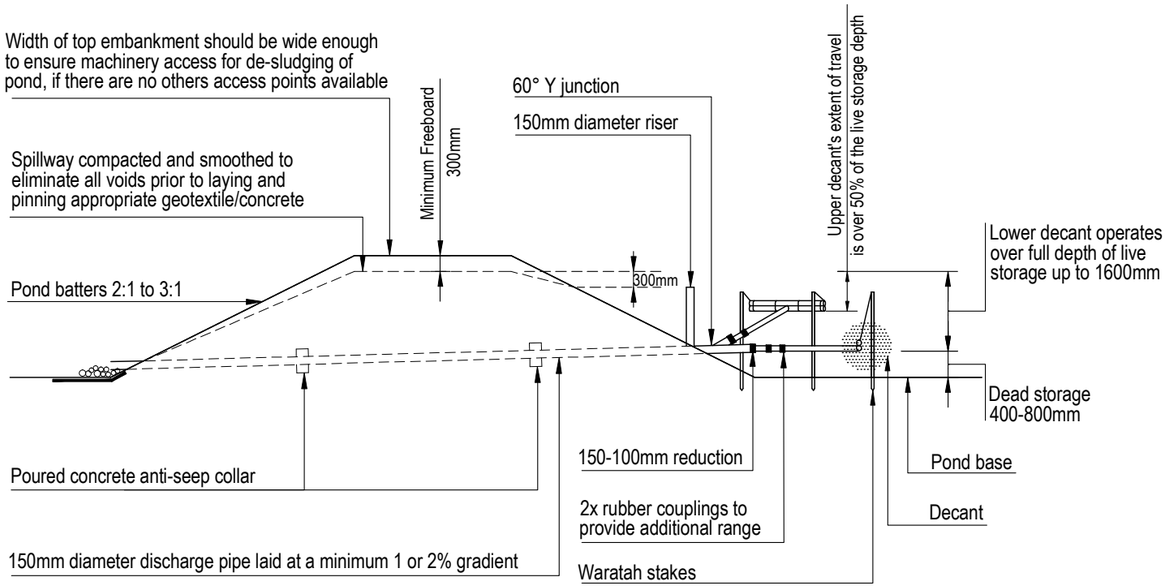
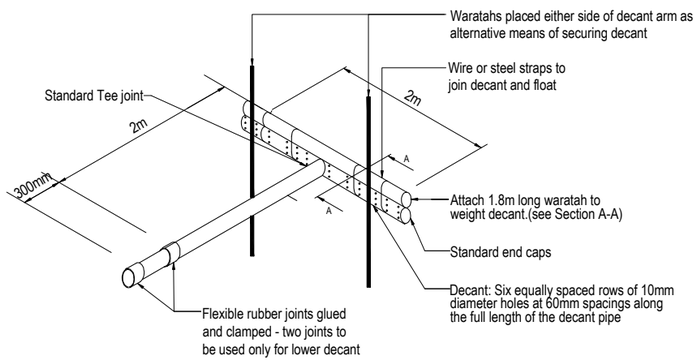
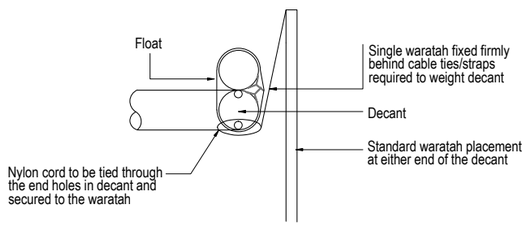
Sediment Retention Pond 1 Detail	
Catchment area (m^2)	17,100
Storage volume basis	2%
Storage volume (m^3)	342
Number of decants	2
Decant holes (Ø10mm)	228
Primary spillway diameter (mm)	150
Outlet pipe diameter (mm)	150
Emergency spillway width (m)	3.5
Emergency spillway depth (mm)	300
Sizing ratio basis	3:1
SRP approximate length (m)	32.0
SRP approximate width (m)	10.7
SRP approximate depth (m)	1
Forebay approximate length (m)	10.7
Forebay approximate width (m)	3.2
Forebay approximate depth (m)	1

Note. Indicative sizes of SRP given only. Provided as approximates only with no consideration of batter angles. Final dimensions to be confirmed onsite to fit site characteristics and desired depth and size ratio.

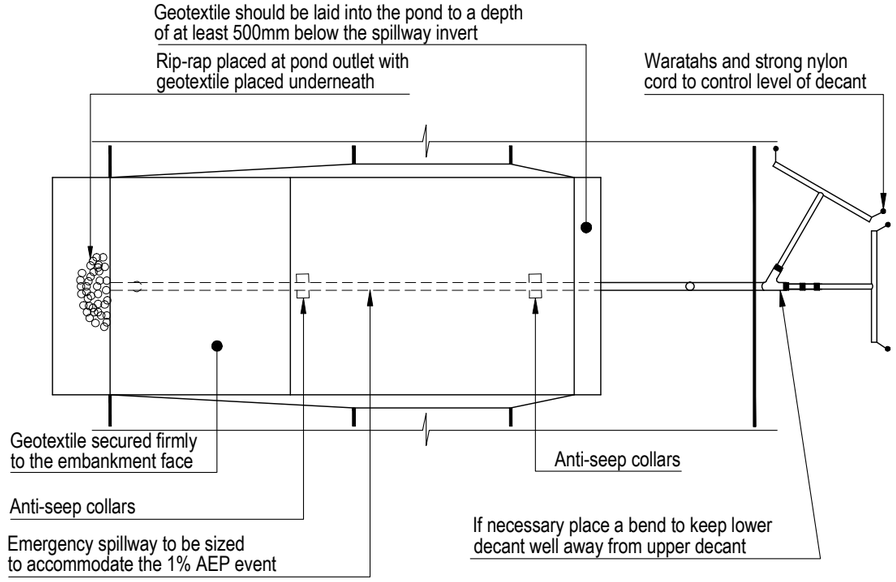


Cross - section





SCHEMATIC - T-BAR DETAIL (GD05)



Plan

SCHEMATIC - 1.5HA-3.0HA SEDIMENT RETENTION POND DETAIL (GD05)

No.	Revision	By	Chk	Appd	Date
2	UPDATED POND SIZING DETAILS	AM	CB		
1	FOR RESOURCE CONSENT	CB	TM	TM	02.02.22

Drawing Originator: Beca

Original Scale (A1) | Reduced Scale (A3)

Design	-	-
Drawn	-	-
Dsg Verifier	-	-
Dwg Check	-	-

* Refer to Revision 1 for Original Signature

Client: WATERCARE SERVICES LIMITED

Project: WHENUAPAI - REDHILLS WASTEWATER SERVICING PACKAGE ONE

Title: EROSION AND SEDIMENT CONTROL PLAN - SHEET 3 - SRP1 DETAIL

Discipline: ENVIRONMENTAL

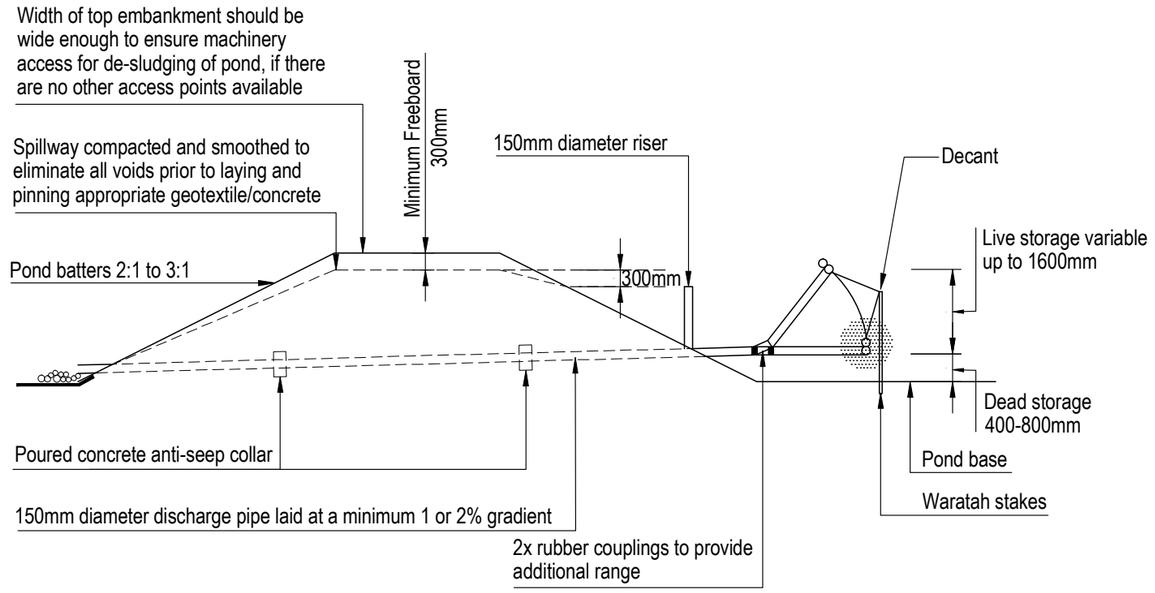
Drawing No.: -

Rev.: 1

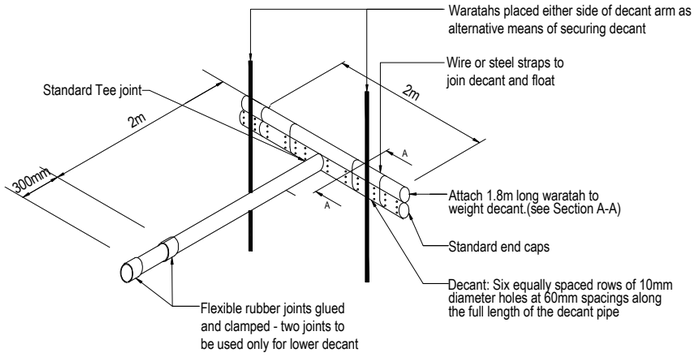
DO NOT SCALE

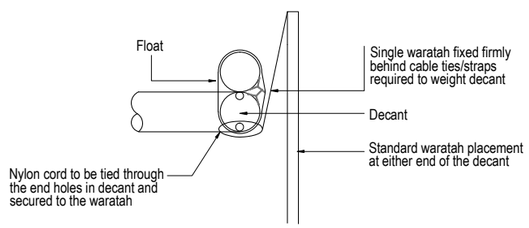
IF IN DOUBT ASK.

Sediment Retention Pond 2 Detail	
Catchment area (m^2)	3,700
Storage volume basis	2%
Storage volume (m^3)	74
Number of decants	1
Decant holes (Ø10mm)	49
Primary spillway diameter (mm)	150
Outlet pipe diameter (mm)	150
Emergency spillway width (m)	0.76
Emergency spillway depth (mm)	300
Sizing ratio basis	3:1
SRP approximate length (m)	14.9
SRP approximate width (m)	5.0
SRP approximate depth (m)	1
Forebay approximate length (m)	5
Forebay approximate width (m)	1.5
Forebay approximate depth (m)	1
Note. Indicative sizes of SRP given only. Provided as approximates only with no consideration of batter angles. Final dimensions to be confirmed onsite to fit site characteristics and desired depth and size ratio.	

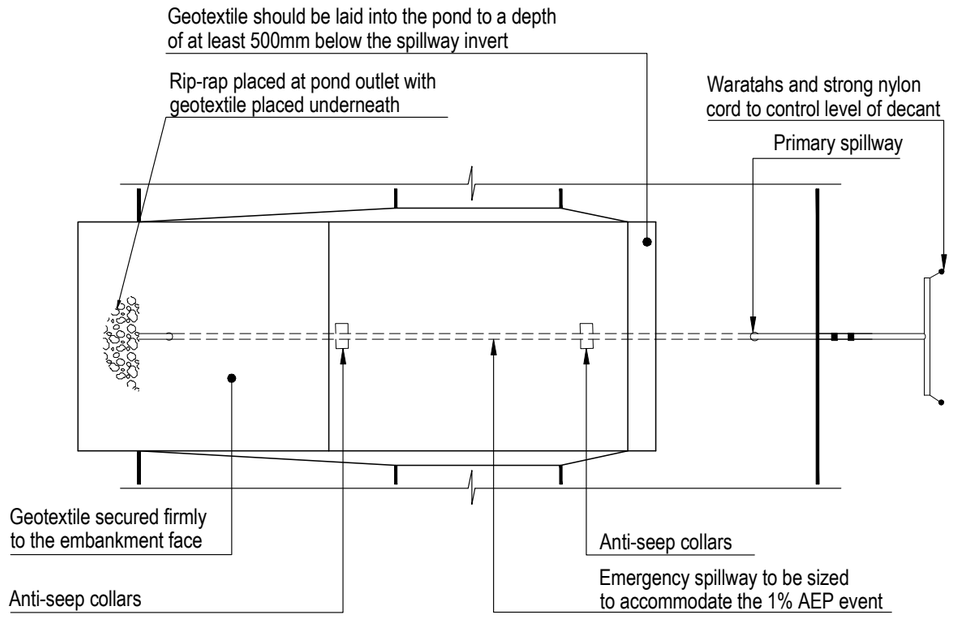


Cross - section





SCHEMATIC - T-BAR DETAIL (GD05)



Plan

SCHEMATIC - <1.5HA SEDIMENT RETENTION POND DETAIL (GD05)

No.	Revision	By	Chk	Appd	Date
1	FOR RESOURCE CONSENT	CB	TM	TM	02.02.22

Drawing Originator: Beca

Original Scale (A1) / Reduced Scale (A3)

Design	-	-
Drawn	-	-
Dsg Verifier	-	-
Dwg Check	-	-

* Refer to Revision 1 for Original Signature

Client: WATERCARE SERVICES LIMITED

Project: WHENUAPAI - REDHILLS WASTEWATER SERVICING PACKAGE ONE

Title: EROSION AND SEDIMENT CONTROL PLAN - SHEET 4 - SRP2 DETAIL

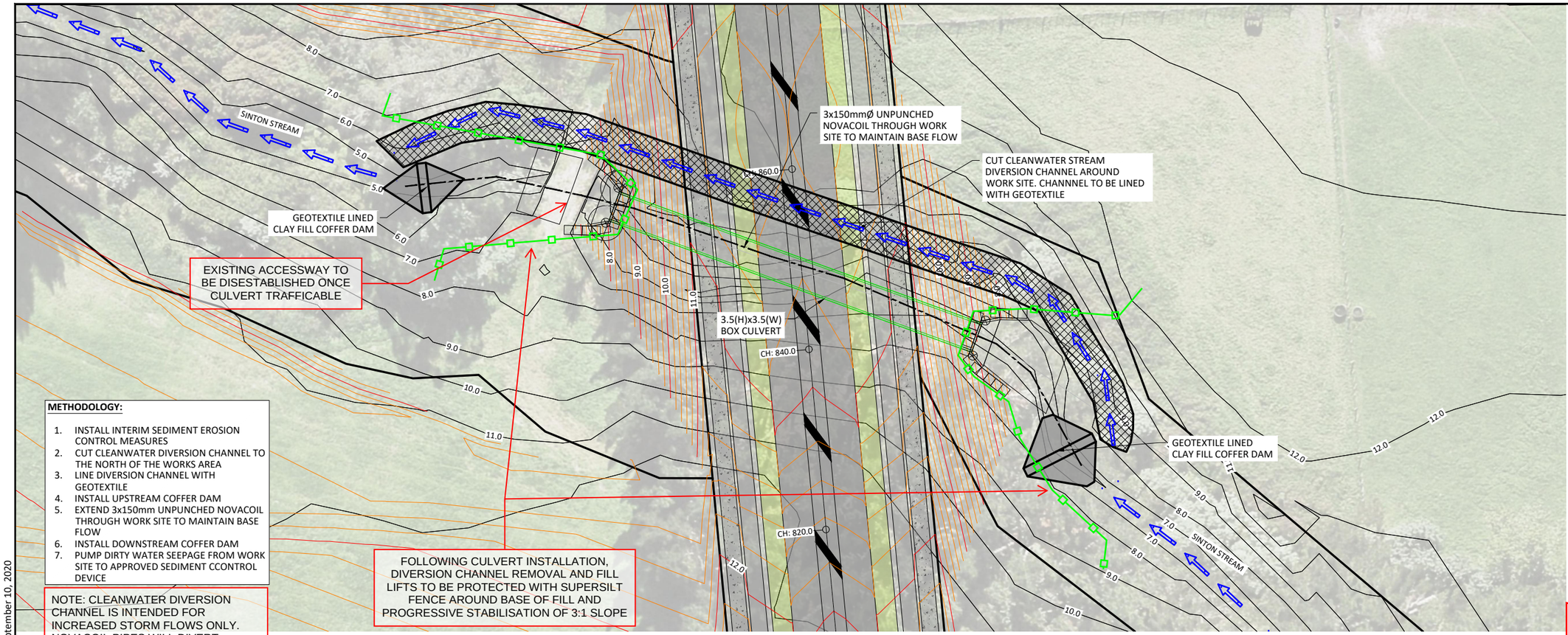
Discipline: ENVIRONMENTAL

Drawing No.: -

Rev.: 1

DO NOT SCALE

IF IN DOUBT ASK.



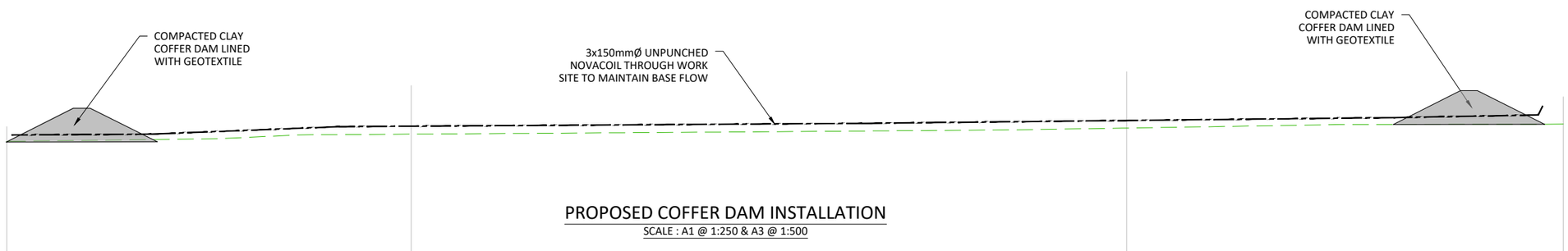
METHODOLOGY:

1. INSTALL INTERIM SEDIMENT EROSION CONTROL MEASURES
2. CUT CLEANWATER DIVERSION CHANNEL TO THE NORTH OF THE WORKS AREA
3. LINE DIVERSION CHANNEL WITH GEOTEXTILE
4. INSTALL UPSTREAM COFFER DAM
5. EXTEND 3x150mm UNPUNCHED NOVACOIL THROUGH WORK SITE TO MAINTAIN BASE FLOW
6. INSTALL DOWNSTREAM COFFER DAM
7. PUMP DIRTY WATER SEEPAGE FROM WORK SITE TO APPROVED SEDIMENT CCONTROL DEVICE

NOTE: CLEANWATER DIVERSION CHANNEL IS INTENDED FOR INCREASED STORM FLOWS ONLY. NOVACOIL PIPES WILL DIVERT STREAM BASEFLOW THROUGH WORK SITE THE MAJORITY OF THE CONSTRUCTION PERIOD.

PROPOSED TEMPORARY STREAM DIVERSION

SCALE : A1 @ 1:250 & A3 @ 1:500



PROPOSED COFFER DAM INSTALLATION

SCALE : A1 @ 1:250 & A3 @ 1:500

EROSION AND SEDIMENT CONTROL PLAN SHEET 5 - COMMENTS OVERLAIN ON CONTRACTOR SUPPLIED INFORMATION

LEGEND:

- PROPOSED GROUND LEVEL
- EXISTING GROUND LEVEL
- EXISTING ABUTTAL BOUNDARY
- STREAM

NOTES:

1. DIMENSIONS AND AREAS ARE SUBJECT TO FULL AND FINAL SURVEY.
2. EXISTING CONTOURS ARE AT 1.0m INTERVALS.
2. PROPOSED CONTOURS ARE AT 0.1m INTERVALS.
3. DETAILED DESIGN TO BE CONFIRMED AT ENGINEERING APPROVAL STAGE.
4. STREAM PROFILE INFERRED FROM SURVEYED CROSS SECTIONS.

DRAFT ISSUE
NOT FOR CONSTRUCTION

REVISION	CHANGES	CHECKED	DATE
1	CULVERT DIMENSIONS AMENDED	CG	07/09/20
0	ORIGINAL ISSUE	CG	06/06/19

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post PO Box 42-089, Orakei, Auckland 1745, NZ

CLIENT: OYSTER CAPITAL

PROJECT: SPEDDING ROAD WHENUAPAI

TITLE: TEMPORARY STREAM DIVERSION PLAN

DATE	JUNE 2019	SCALE	
DRAWN	CG	A1	1:250
DESIGNED	CG	A3	1:500
PROJECT No	1300	DRAWING No	SK016B
REVISION	1		

SAVED: P:\1300 - Oyster Spedding Road\5.0 Drawings\SKETCHES\SK016B Sinton Stream Temp Diversion.dwg - September 7, 2020. PRINTED: September 10, 2020