

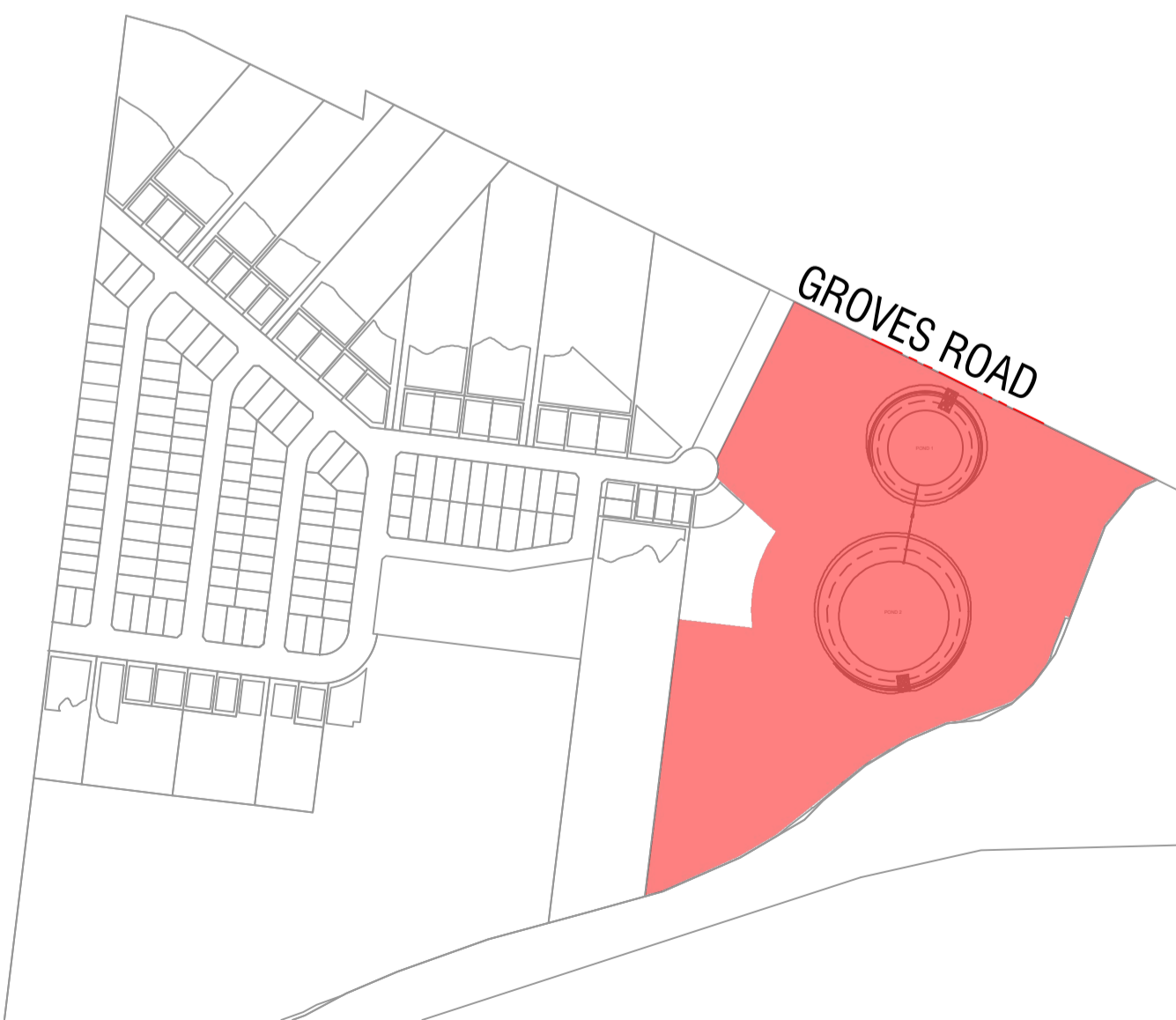
GROVES ROAD

GGF PONDS

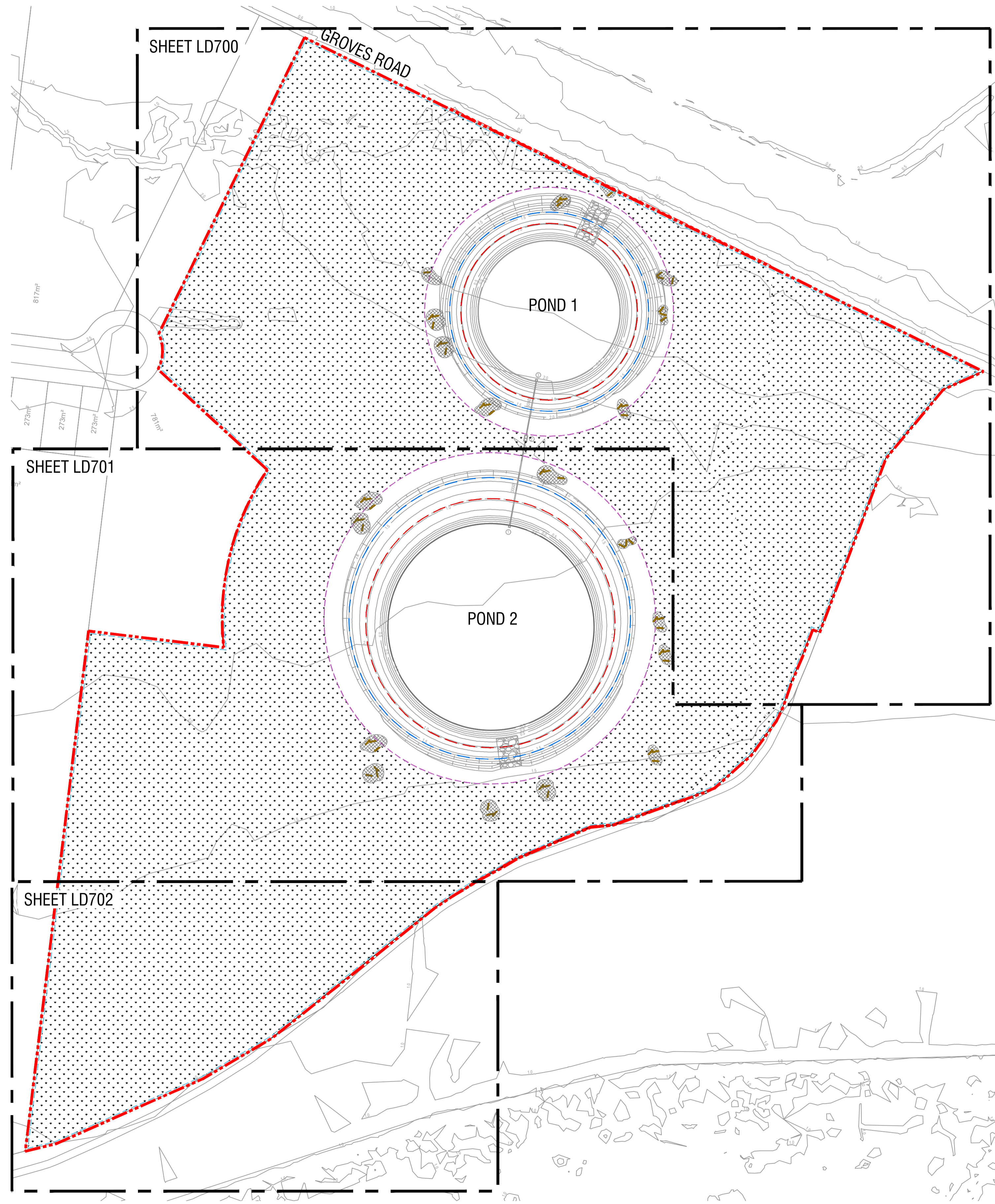
PROJECT NUMBER: 309950
 LANDSCAPE ARCHITECTURE DRAWINGS
 FOR JINDING

DRAWING SCHEDULE

DRAWING NO.	DESCRIPTION	SHEET NO.	REVISION
LD100	COVER SHEET	1	B
LD200	SCHEDULES SHEET 1	2	B
LD700	PLANTING PLAN SHEET 1	3	B
LD701	PLANTING PLAN SHEET 2	3	A
LD702	PLANTING PLAN SHEET 3	3	A



1 SITE LOCATION
 Scale 1:10000 @ A1



2 GGF PONDS 1 & 2
 Scale 1:1000 @ A1

GENERAL NOTES

- Unless otherwise specified on the drawings all measurements, lengths, heights and distances to be determined from dimensions and NOT scaled off the drawings.
- Before commencement of any works it is the responsibility of the Landscape Contractor to contact Dial Before You Dig 1100 (Fax 1300 652 077) for information on services in the area shown on the plan (www.dialbeforeyoudig.com.au)
- The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. The Contractor shall verify the location and depth of all services prior to commencing on site.
- The Contractor must have a copy of Melbourne One Call/Services information and plans on site at all times.
- The Contractor shall be liable for any damage to services during landscape works.
- All trees shall be planted in locations shown on this plan, with setback to be approved on site by the Superintendent prior to planting.
- Tree canopies are shown at 75% of mature diameter.
- Any change in plant species must have the approval of the Superintendent.
- Trees shall not be planted less than the following distances from existing elements, unless otherwise stated in the documentation:
 - Pedestrian pathways - 1.2m
 - Pedestrian pathways in reserve - 2.0m
 - Driveways and crossovers - 3.0m
 - Stormwater and sewerage pits - 2.0m
 - Intersections - 10.0m
 - Service crossings - 2.0m
 - Back of Kerb - 1.0m min.
 - Street lights and power poles - 4.0m
 - Service assets, incl. junction boxes, pits etc - 2.0m
 - Fire plugs - 3.0m
- The Superintendent is to inspect trees supplied by the Contractor prior to planting.
- The Principal will ensure that all property boundaries are to be pegged out by licensed surveyors prior to set out of landscape works.
- All drawings 'For Construction' to be printed in colour.
- ALL TREE STOCK TO CONFORM TO AS 2303:2018; APPENDIX D.**

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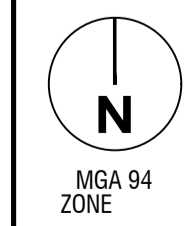
10 MOORABOOL STREET GEELONG
 VICTORIA 3220 AUSTRALIA T 61 3 5249 6888
 www.spiire.com.au ABN 55 050 029 635

PRELIMINARY

REV	DESCRIPTION	APP	DATE
B	REVISED SUBMISSION	AL	09/11/23
A	PRELIMINARY ISSUE	AL	26/10/23

REV	DESCRIPTION	APP	DATE
B	REVISED SUBMISSION	AL	09/11/23
A	PRELIMINARY ISSUE	AL	26/10/23

GROVES ROAD
GGF PONDS
DETAILED DESIGN
 COVER - SHEET 1
 SHEET 1 OF 5
 CITY OF GREATER GEELONG
 JINDING



AS SHOWN

DESIGNED	DRAWN	CHECKED	APPROVED
AT	AT	JM	AL

DATE: 17-10-2023
 DRG NO.: 309950LD100
 REV: B

file name: 309950LD100.dwg layout name: LD100 plotted by: William Ma file location: P:\309950\landscape\ACAD\plan date: 09/11/2023 11:47 AM Sheet 1 of 5 Sheets

Terrestrial - NATIVE GRASS ZONE						Plant Code		T1
APPLICATION RATE 30KG/HA						TOTAL Area/m ²	67100	67100
BOTANICAL NAME	CULTIVAR	COMMON NAME	CENTRES/SPACINGS	DENSITY m ²	% DISTRIBUTION	TOTAL QTY		
<i>Microleana stipoides</i>			0.4	6	20%	80520	80520	
<i>Themeda triandra</i>			0.4	6	10%	40260	40260	
<i>Austrostipa scarba</i>			0.4	6	15%	60390	60390	
<i>Austrostipa elegantissima</i>			0.4	6	15%	60390	60390	
<i>Pytidosperma caespitosum</i>			0.4	6	10%	40260	40260	
<i>Pytidosperma duttonianum</i>			0.4	6	10%	40260	40260	
<i>Pytidosperma racemosum</i>			0.4	6	10%	40260	40260	
<i>Pytidosperma setaceum</i>			0.4	6	10%	40260	40260	
TOTAL						100%	402600	402600

FRINGING AND EMERGENT ZONE						Plant Code		F1	F2
Install size: 200cc - 50% area to be maintained less than 100mm height						TOTAL Area/m ²	6155	2474	3681
BOTANICAL NAME	CULTIVAR	COMMON NAME	CENTRES/SPACINGS	DENSITY m ²	% DISTRIBUTION	TOTAL QTY			
<i>Distichlis distichophylla</i>			0.4	6	15%	5540	2227	3313	
<i>Disphyma crassifolium</i>			0.4	6	15%	5540	2227	3313	
<i>Calocephalus lacteus</i>			0.4	6	5%	1848	743	1105	
<i>Lachnagrostis filiformis</i>			0.4	6	5%	1848	743	1105	
<i>Pytidosperma caespitosum</i>			0.4	6	10%	3694	1485	2209	
<i>Themeda triandra</i>			0.4	6	10%	3694	1485	2209	
<i>Atriplex cinerea</i>			0.5	4	10%	2463	990	1473	
<i>Ficinia nodosa</i>			0.5	4	10%	2463	990	1473	
<i>Goodenia ovata</i>			0.6	3	5%	925	372	553	
<i>Leptospermum lanigerum</i>			0.6	3	5%	925	372	553	
<i>Poa labillardierei</i> var. <i>labillardierei</i>			0.5	4	10%	2463	990	1473	
TOTAL						100%	31403	12624	18779

Aquatic Planting - LITTORAL ZONE - 560mm						Plant Code						L1	L2	L3	L4	L5	L6		
Install size: 550cc						TOTAL Area/m ²	2326	244	305	235	814	261	467						
BOTANICAL NAME	CULTIVAR	COMMON NAME	CENTRES/SPACINGS	DENSITY m ²	% DISTRIBUTION	TOTAL QTY													
<i>Alisma plantago-aquatica</i>		Water Plantain	0.5	4	10%	932	98	122	94	326	105	187							
<i>Baumea articulata</i>		Jointed Twig-sedge	0.5	4	10%	932	98	122	94	326	105	187							
<i>Carex tereticaulis</i>		Basket Sedge	0.5	4	10%	932	98	122	94	326	105	187							
<i>Carex gaudichaudiana</i>		Fern Sedge	0.5	4	10%	932	98	122	94	326	105	187							
<i>Crassula helmsii</i>			0.5	4	10%	932	98	122	94	326	105	187							
<i>Eleocharis acuta</i>		Common Spike-sedge	0.5	4	10%	932	98	122	94	326	105	187							
<i>Juncus amabilis</i>		Hollow-rush	0.5	4	10%	932	98	122	94	326	105	187							
<i>Lythrum salicaria</i>		Small Loosestrife	0.5	4	10%	932	98	122	94	326	105	187							
<i>Persicaria subsessilis</i>		Hairy Knotweed	0.5	4	10%	931	98	122	94	326	104	187							
<i>Persicaria decipiens</i>		Slender Knotweed	0.5	4	10%	931	98	122	94	326	104	187							
TOTAL						100%	9318	980	1220	940	3260	1048	1870						

Aquatic Planting - PERMANENT SHALLOW ZONE - 440mm						Plant Code						PS1	PS2	PS3	PS4	PS5	PS6	
Install size: 550cc						TOTAL Area/m ²	1611	170	213	165	551	184	328					
BOTANICAL NAME	CULTIVAR	COMMON NAME	CENTRES/SPACINGS	DENSITY m ²	% DISTRIBUTION	TOTAL QTY												
<i>Cyanogeton procerum</i>			0.7	2	20%	647	68	86	66	221	74	132						
<i>Myriophyllum caput-medusae</i>		Coarse Water-milfoil	0.7	2	20%	741	98	122	94	221	74	132						
<i>Myriophyllum crispatum</i>		Upright Water-milfoil	0.7	2	20%	741	98	122	94	221	74	132						
<i>Persicaria decipiens</i>		Slender Knotweed	0.7	2	20%	741	98	122	94	221	74	132						
<i>Potamogeton crispus</i>		Curly Pondweed	0.7	2	20%	741	98	122	94	221	74	132						
TOTAL						100%	2964	392	488	376	884	296	528					

Aquatic Planting - DEEP ZONE - 1200mm						Plant Code		D1	D2
Install size: 550cc						TOTAL Area/m ²	1687	680	1007
BOTANICAL NAME	CULTIVAR	COMMON NAME	CENTRES/SPACINGS	DENSITY m ²	% DISTRIBUTION	TOTAL QTY			
<i>Potamogeton ochtreatus</i>		Blunt Pondweed	1	1	20%	338	136	202	
<i>Potamogeton pectinatus</i>		Fennel Pondweed	1	1	20%	338	136	202	
<i>Rumex bidens</i>		Mud Dock	1	1	20%	338	136	202	
<i>Cyanogeton procerum</i>			1	1	20%	338	136	202	
<i>Vallisneria australis</i>		Eel Grass	1	1	20%	338	136	202	
TOTAL						100%	1690	680	1010

NOTES

- TERRESTRIAL PLANTING NOTE:
 - NO SHRUBS TO BE PLANTED WITHIN 10M OF THE WETLAND NORMAL WATER LEVEL (OUTER EDGE OF LITTORAL ZONE)
 - ALLOW FOR TUSsock FORMING SPECIES OF PATCHY DENSE PLANTINGS.
 - FROM 10M TO 50M FROM THE WETLAND, TERRESTRIAL AREAS TO BE SHORT, MOWN GRAS WITH AN OPEN STRUCTURE (20% COVER)

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PRELIMINARY

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REV	DESCRIPTION	APP	DATE

GROVES ROAD
GGF PONDS

DETAILED DESIGN

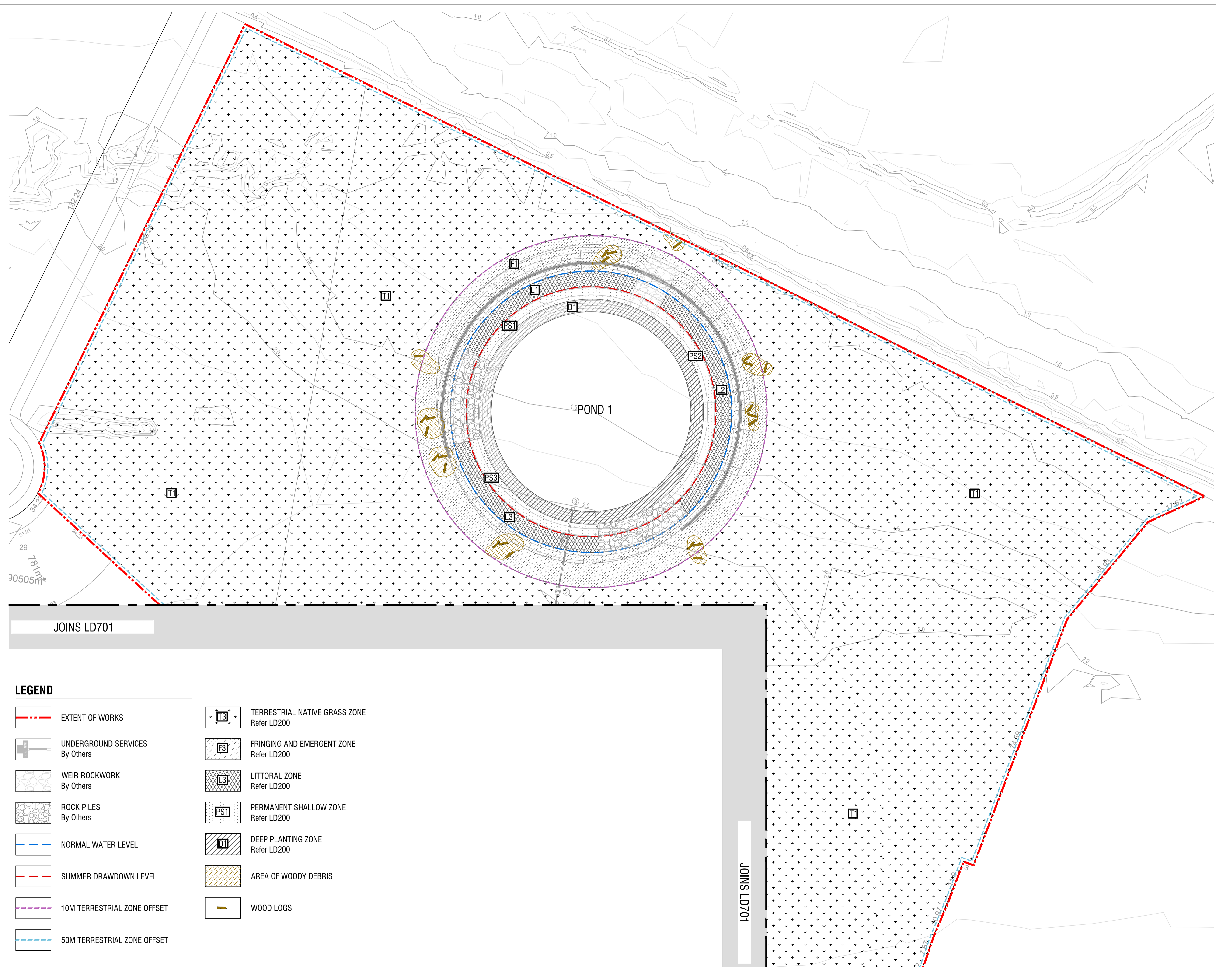
SCHEDULES - SHEET 1

SHEET 2 OF 5

CITY OF GREATER GEELONG

JINDING

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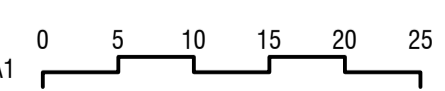
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**GROVES ROAD
GGF PONDS**

DETAILED DESIGN
 PLANTING PLANS - SHEET 1
 SHEET 3 OF 5
 CITY OF GREATER GEELONG
 JINDING




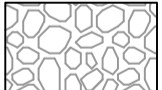
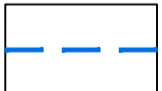


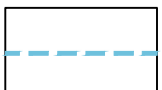
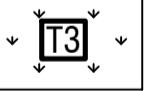




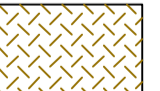
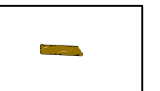

 MGA 94 ZONE
 1:500 SCALE @ A1


DESIGNED AT	DRAWN AT	CHECKED JM	APPROVED AL
DATE 17-10-2023	DRG NO. 309950LD700	REV B	

JOINS LD701

JOINS LD701

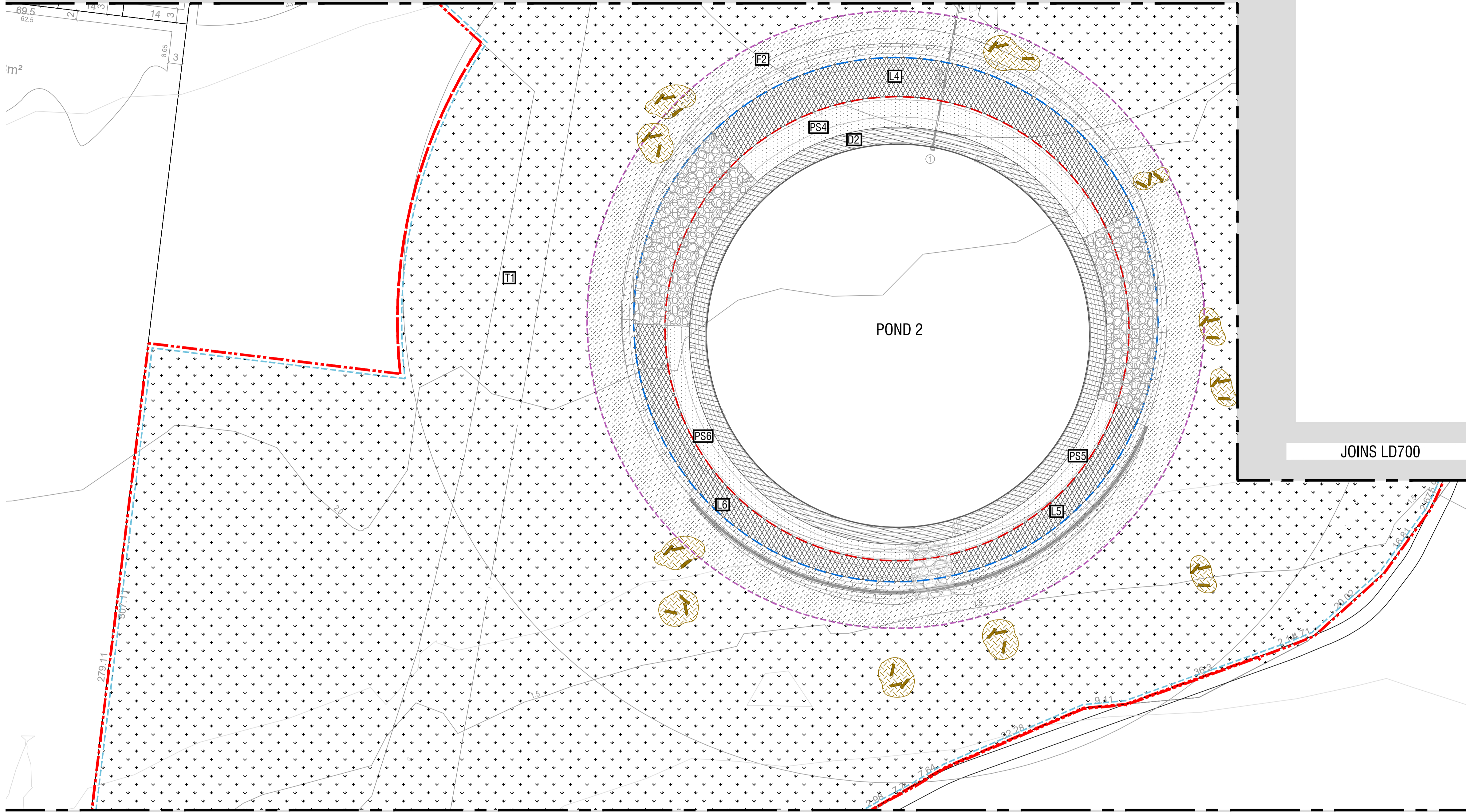
LEGEND

-  EXTENT OF WORKS
-  UNDERGROUND SERVICES
By Others
-  WEIR ROCKWORK
By Others
-  ROCK PILES
By Others
-  NORMAL WATER LEVEL
-  SUMMER DRAWDOWN LEVEL
-  10M TERRESTRIAL ZONE OFFSET
-  50M TERRESTRIAL ZONE OFFSET
-  TERRESTRIAL NATIVE GRASS ZONE
Refer LD200
-  FRINGING AND EMERGENT ZONE
Refer LD200
-  LITTORAL ZONE
Refer LD200
-  PERMANENT SHALLOW ZONE
Refer LD200
-  DEEP PLANTING ZONE
Refer LD200
-  AREA OF WOODY DEBRIS
-  WOOD LOGS

file name: 309950LD700.dwg layout name: LD700 plotted by: William Ho
 file location: P:\309950\landscapes\ACAD\plan date: 09/11/2023 11:47 AM Sheet 3 of 5 Sheets

JOINS LD700

JOINS LD700











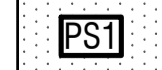






JOINS LD700

JOINS LD702

JOINS LD702

LEGEND

-  EXTENT OF WORKS
-  50M TERRESTRIAL ZONE OFFSET
-  WOOD LOGS
-  UNDERGROUND SERVICES
By Others
-  TERRESTRIAL NATIVE GRASS ZONE
Refer LD200
-  WEIR ROCKWORK
By Others
-  FRINGING AND EMERGENT ZONE
Refer LD200
-  ROCK PILES
By Others
-  LITTORAL ZONE
Refer LD200
-  NORMAL WATER LEVEL
-  PERMANENT SHALLOW ZONE
Refer LD200
-  SUMMER DRAWDOWN LEVEL
-  DEEP PLANTING ZONE
Refer LD200
-  10M TERRESTRIAL ZONE OFFSET
-  AREA OF WOODY DEBRIS

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NOTES

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REV	DESCRIPTION	APP	DATE

GROVES ROAD
GGF PONDS

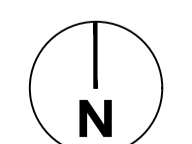
DETAILED DESIGN

PLANTING PLANS - SHEET 2

SHEET 4 OF 5

CITY OF GREATER GEELONG






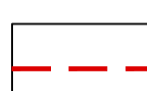


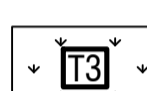


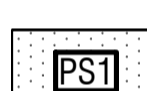



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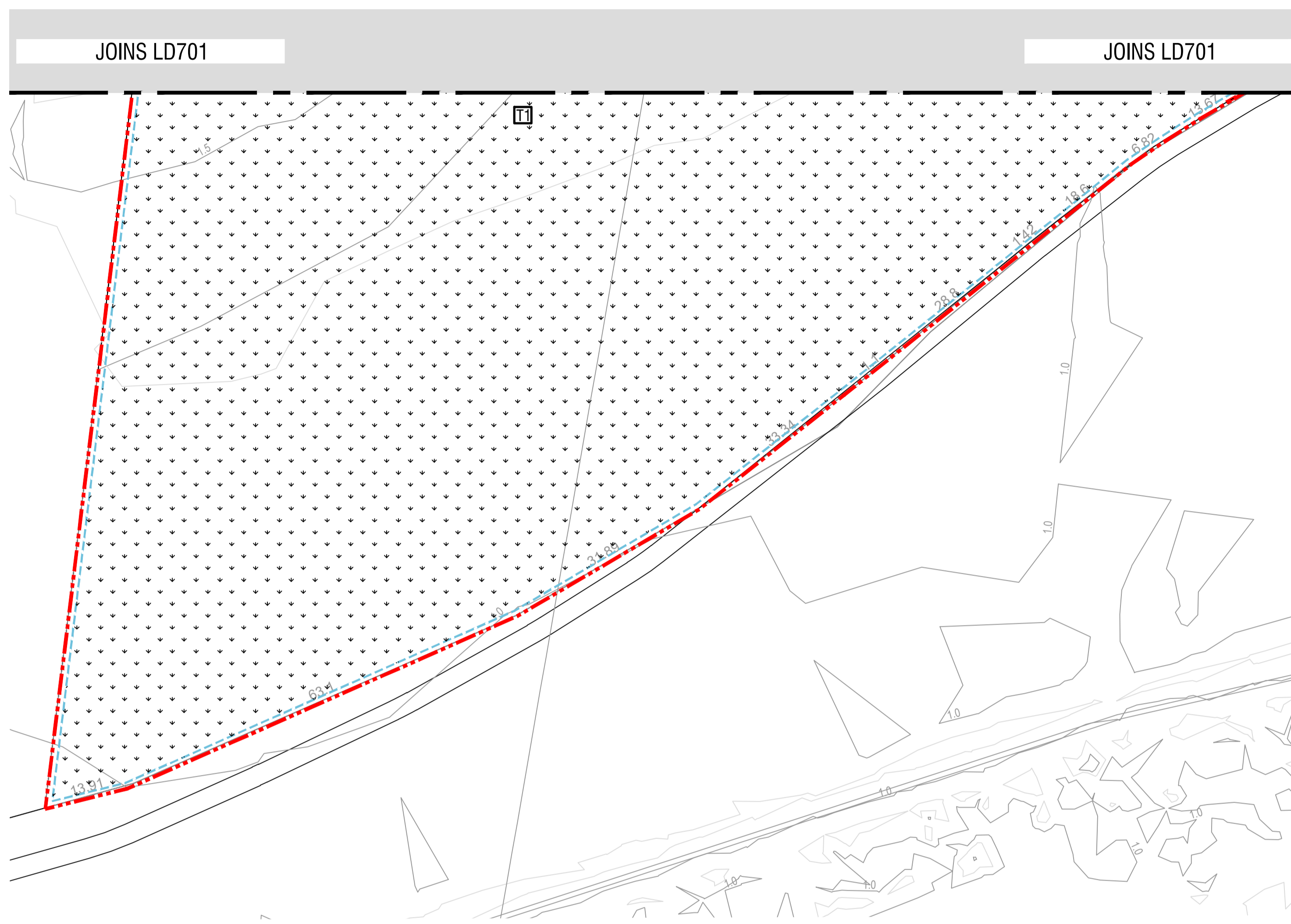


MGA 94 ZONE 1:500 SCALE @ A1 0 5 10 15 20 25

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DATE	DRG NO.	REV	
09-11-2023	309950LD701	A	

LEGEND

-  EXTENT OF WORKS
-  UNDERGROUND SERVICES
By Others
-  WEIR ROCKWORK
By Others
-  ROCK PILES
By Others
-  NORMAL WATER LEVEL
-  SUMMER DRAWDOWN LEVEL
-  10M TERRESTRIAL ZONE OFFSET
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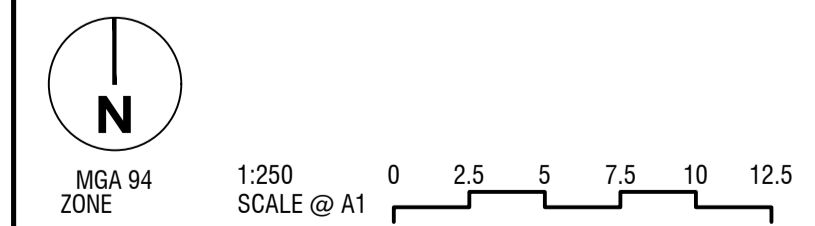
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PRELIMINARY

A	REVISED SUBMISSION	AL	09/11/23
REV	DESCRIPTION	APP	DATE

GROVES ROAD
GGF PONDS

DETAILED DESIGN
PLANTING PLANS - SHEET 3
SHEET 5 OF 5
CITY OF GREATER GEELONG
JINDING



DESIGNED	DRAWN	CHECKED	APPROVED
AT	AT	JM	AL
DATE	DRG NO.	REV	
17-10-2023	309950LD702	A	

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