

Council

**MOUNT BARKER SWIMMING POOL
REDEVELOPMENT – REVISED MASTER PLAN
FOR STAGE 1B AND STAGE 2**

**Mount Barker Swimming Pool – Revised Master Plan
and Preliminary Design 2024**

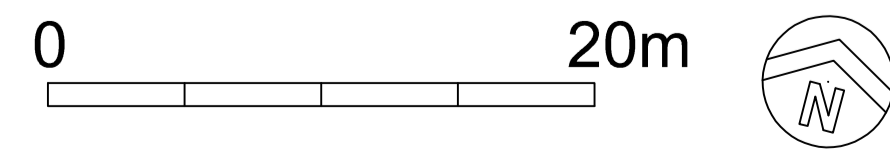
Meeting Date: 17 December 2024

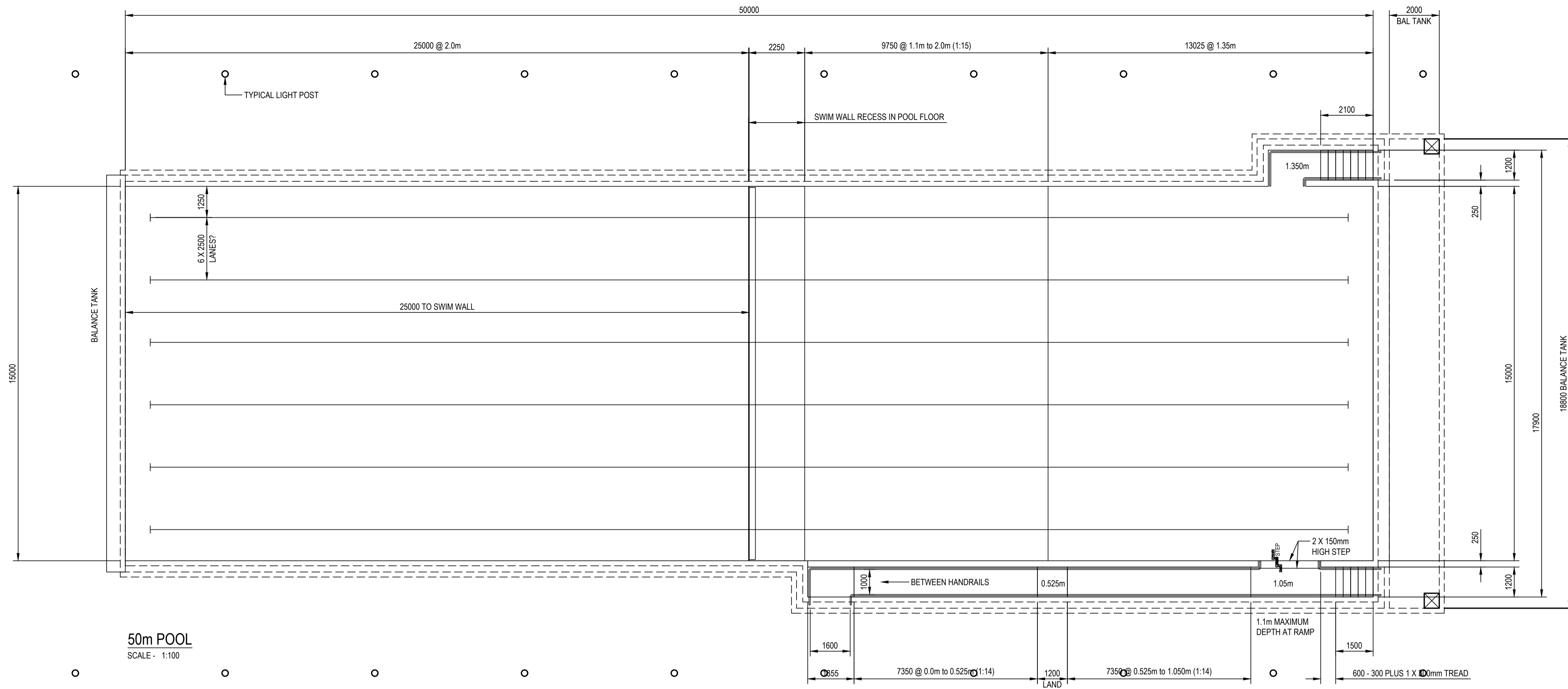
Number of Pages: 4



MOUNT BARKER MEMORIAL SWIMMING POOL - MASTER PLAN

Hunt Architects
26 NOVEMBER 2024



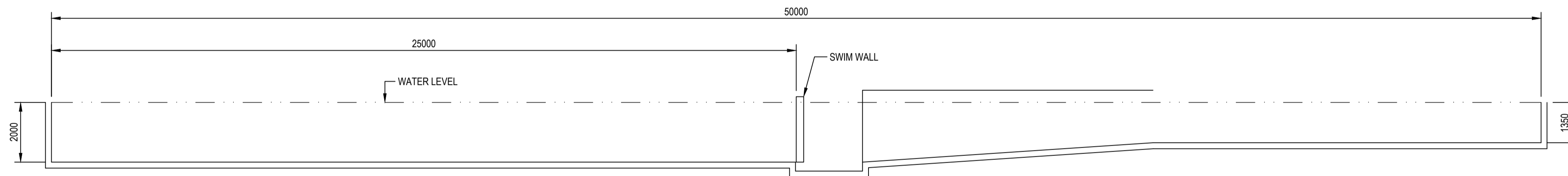


OUTDOOR 50m - 27 Deg C	
Surface Area (m2)	780
Av Depth (m)	1.73
Volume	1351
Turn Over Rate (hrs)	3.5
Plant Capacity (m3/hr)	386
Plant Capacity (L/sec)	107
Total Filter Area (m2)	15.00
No Filters	3.00
Filter Area/Filter (m2)	5.00
Filter Rate (m3/hr/m2)	25.74
Backwash Rate	42.00
Backwash Flow (L/sec)	58.33
Wash Water/Filter (m3)	14.00
Total Wash Water (m3)	42.00
Instant Bather Load (persons)	222.96
Bather Surge Vol (m3)	15.61

OUTDOOR LTS POOL - 30 Deg C	
Surface Area (m2)	138
Av Depth (m)	0.79
Volume	109
Turn Over Rate (hrs)	1.5
Plant Capacity (m3/hr)	73
Plant Capacity (L/sec)	20
Total Filter Area (m2)	3.60
No Filters	2.00
Filter Area/Filter (m2)	1.80
Filter Rate (m3/hr/m2)	20.25
Backwash Rate	42.00
Backwash Flow (L/sec)	21.00
Wash Water/Filter (m3)	5.04
Total Wash Water (m3)	10.08
Instant Bather Load (persons)	55.04
Bather Surge Vol (m3)	3.85

SPLASH POOL - 30 Deg C	
Surface Area (m2)	132
Av Depth (m)	0.15
Volume	20
Turn Over Rate (hrs)	0.5
Plant Capacity (m3/hr)	40
Plant Capacity (L/sec)	11
Total Filter Area (m2)	1.80
No Filters	1.00
Filter Area/Filter (m2)	1.80
Filter Rate (m3/hr/m2)	22.00
Backwash Rate	42.00
Backwash Flow (L/sec)	21.00
Wash Water/Filter (m3)	5.04
Total Wash Water (m3)	5.04
Instant Bather Load (persons)	66.00
Bather Surge Vol (m3)	4.62

50m POOL
SCALE - 1:100



SECTION A
Scale: 1:100
SCHEMATIC DESIGN

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ASSOCIATED CONSULTANTS

HUNT ARCHITECTS

CLIENT

SHIRE OF PLANTAGENET

PROJECT

MOUNT BARKER SWIMMING POOL REFURBISHMENT

DRAWING TITLE

50m POOL WITH SWIM WALL - 1.35m TO 2.0m

PRELIMINARY
NOT FOR CONSTRUCTION
THIS DRAWING IS PREPARED FOR PRELIMINARY FEASIBILITY PURPOSES ONLY AND IS SUBJECT TO CHANGE PENDING FINAL DETAILED DESIGN.

FILTRATION & WATER TREATMENT

DRAWN

PB

APPROVED

AP

NTS

DESIGNED

PB

DATE

SEPT 2024

SCALE AT A1:

PROJECT No.

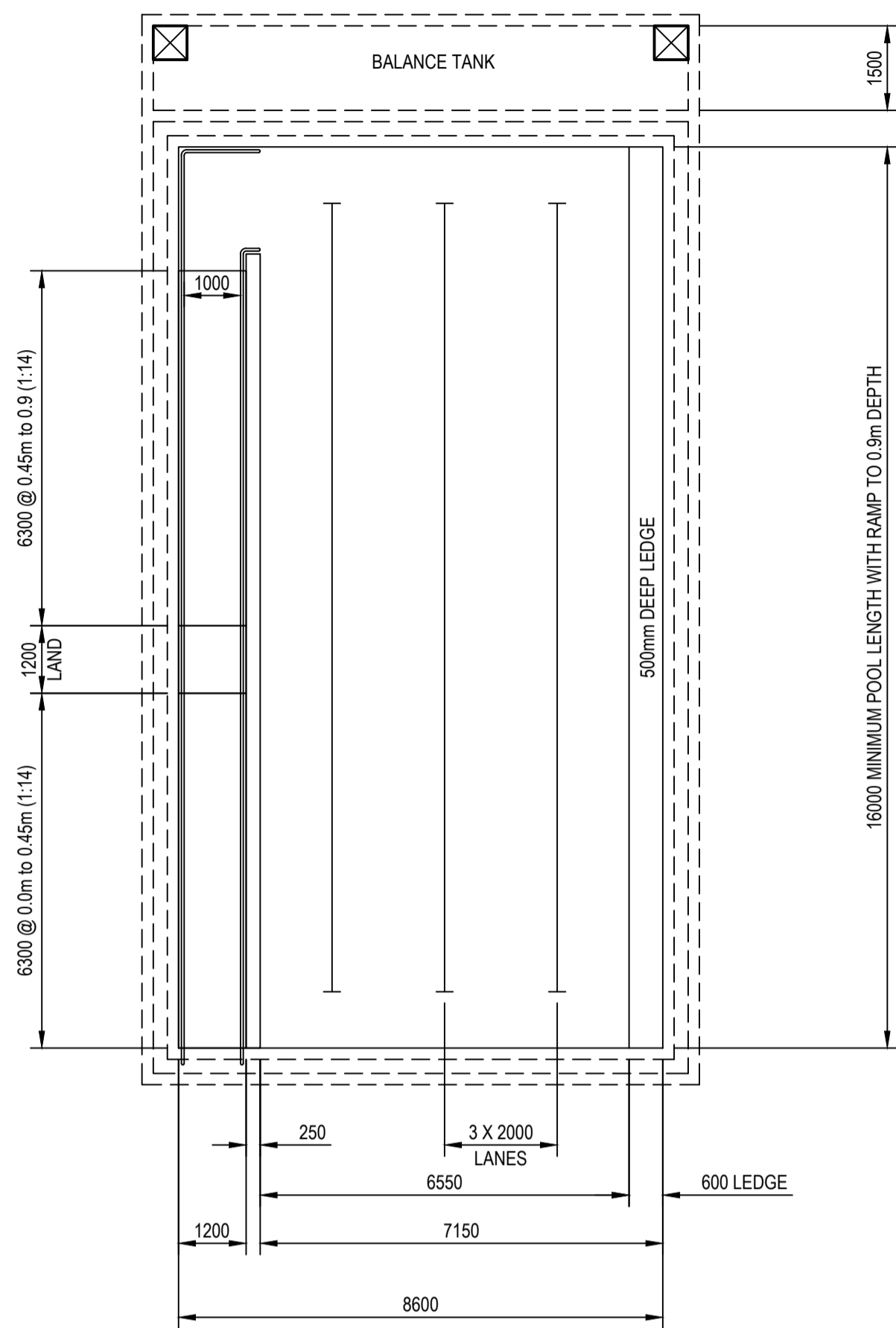
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REVISION

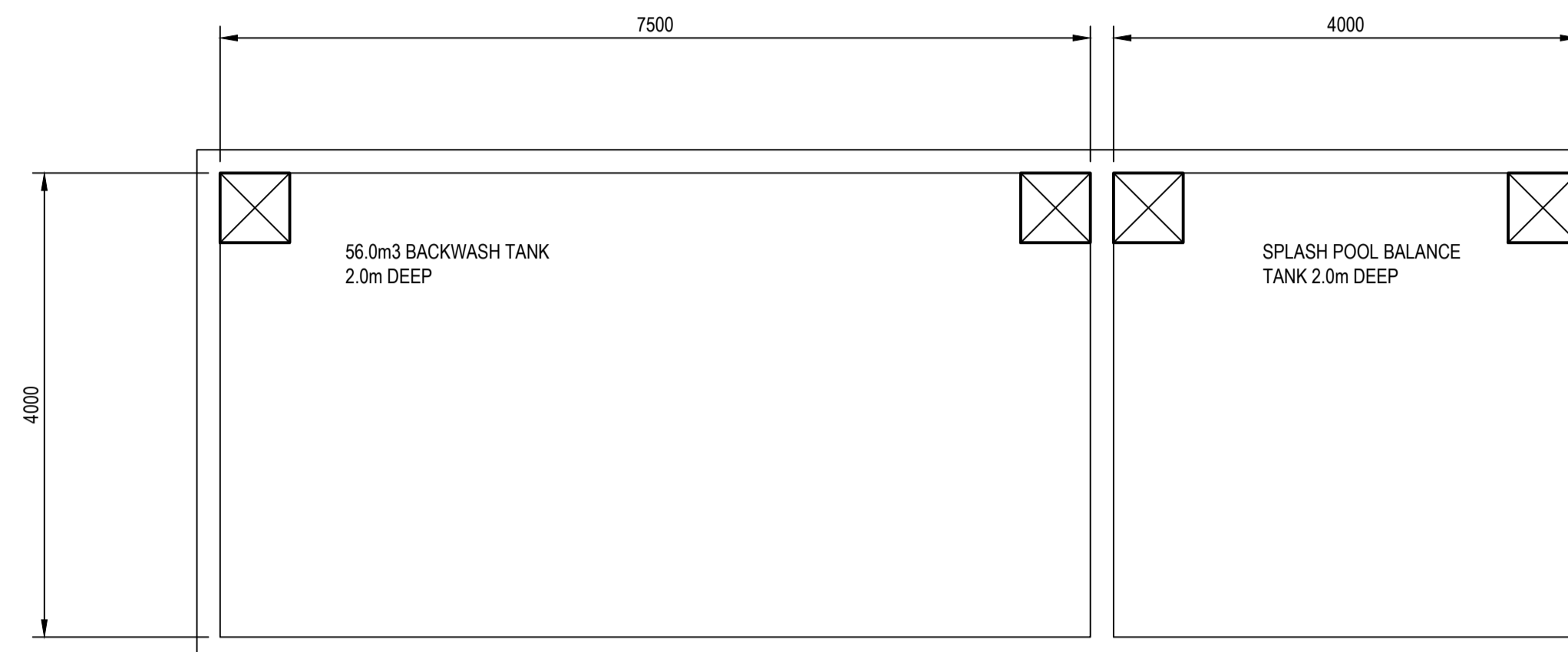
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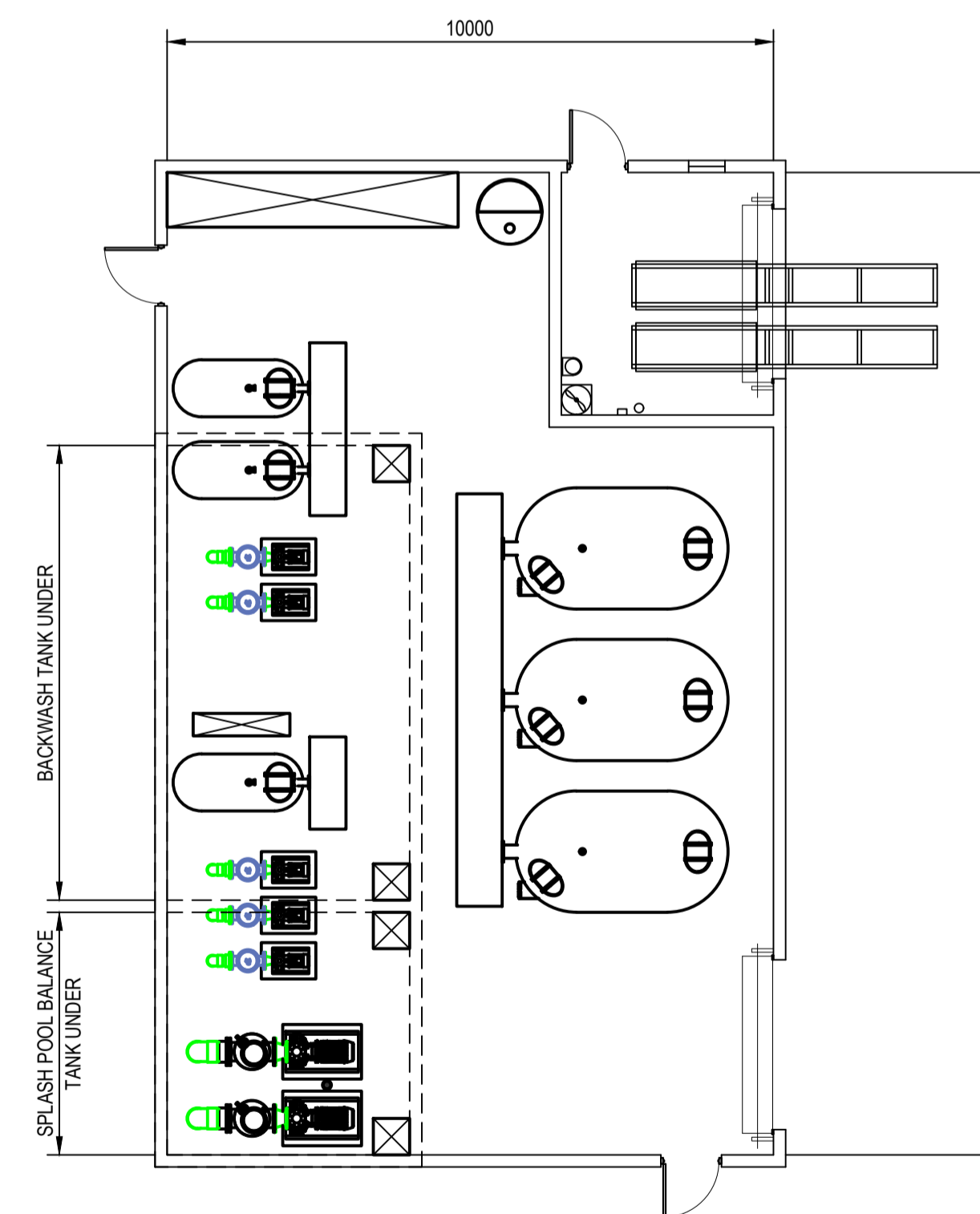
P1



LEARN TO SWIM POOL - 0.9m DEPTH
SCALE - 1:100



OPTION 1 - 56.0m3 BACKWASH TANK
SCALE - 1:50



PLANTROOM
SCALE - 1:100

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REV	DATE	DESCRIPTION	DRN	CHD

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MOUNT BARKER SWIMMING POOL REFURBISHMENT

DRAWING TITLE

0.9m DEEP LEARN TO SWIM POOL & PLANTROOM DETAILS

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SCALE AT A1:

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DRAWING No.

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REVISION

P1