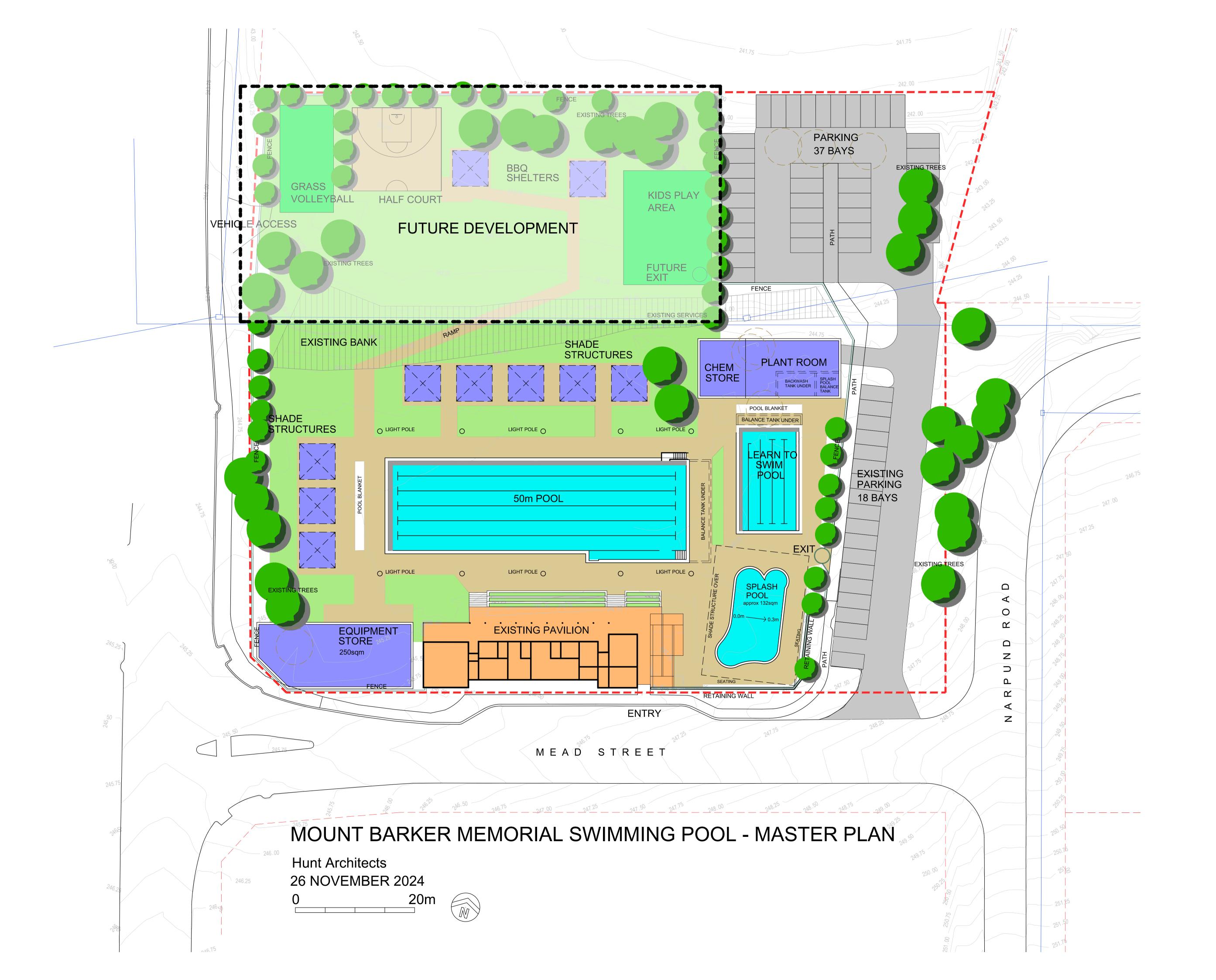
Council

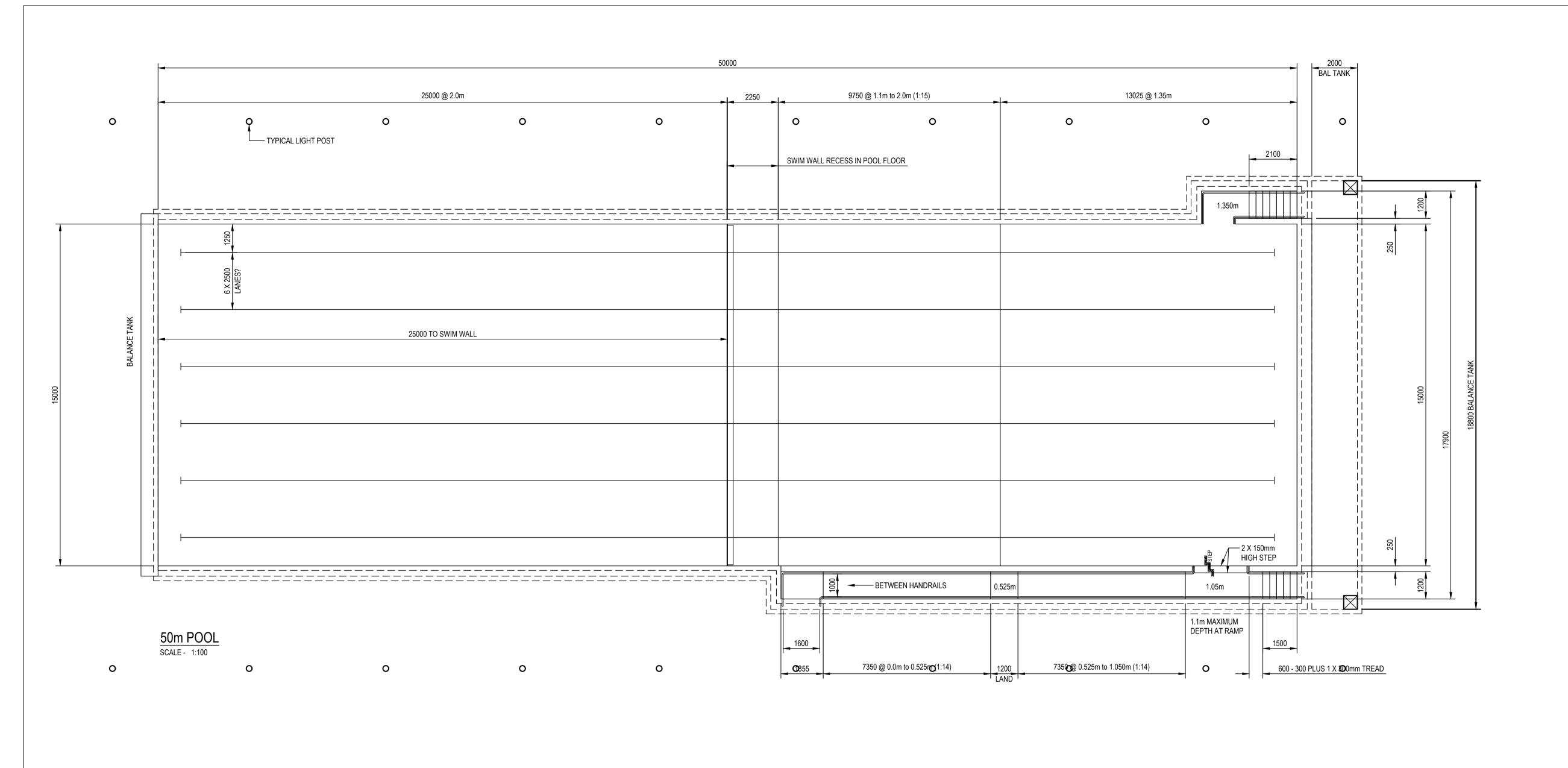
MOUNT BARKER SWIMMING POOL REDEVELOPMENT – REVISED MASTER PLAN FOR STAGE 1B AND STAGE 2

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

Meeting Date: 17 December 2024

Number of Pages: 4

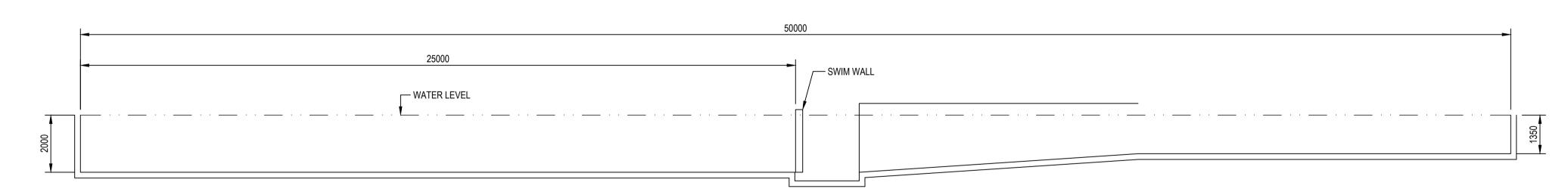




| OUTDOOR 50m - 27 Deg C | | | | | | |
|-------------------------------|--------|--|--|--|--|--|
| Surface Area (m2) | 780 | | | | | |
| Av Depth (m) | 1.73 | | | | | |
| Volume | 1351 | | | | | |
| Turn Over Rate (hrs) | 3.5 | | | | | |
| Plant Capacity (m3/hr) | 386 | | | | | |
| Plant Capacity (Lt/sec) | 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 (Lt/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 (Lt/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 (Lt/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 De | g 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 (Lt/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 (Lt/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 |





THIS DRAWING IS REQUIRED TO BE PRINTED IN COLOUR

FAILURE TO DO SO MAY RESULT IN LOSS OF INFORMATION.
BLACK & WHITE PRINTING MAY BE USED IF SPECIFIC BLACK & WHITE
DOCUMENTS HAVE BEEN PROVIDED BY BEC

| EV | DATE | DESCRIPTION | DRN | CHD | | T |
|----|------|-------------|-----|-----|-------------------------------------|---|
| | | | | | | |
| | | | | | | |
| | | | | | FONG engineered design + management | 1 |
| | | | | | design + | 1 |
| | | | | | management | |
| | | | | | | 1 |
| | , | | | | SYDNEY OFFICE www: bec.studio | |
| | | | | | +61 (0)2 9332 5100 | 1 |

HUNT ARCHITECTS

- ASSOCIATED CONSULTANTS -

SHIRE OF PLANTAGENET

MOUNT BARKER SWIMMING POOL REFURBISHMENT 50m POOL WITH SWIM WALL - 1.35m TO 2.0m

PRELIMINARY

NOT FOR CONSTRUCTION

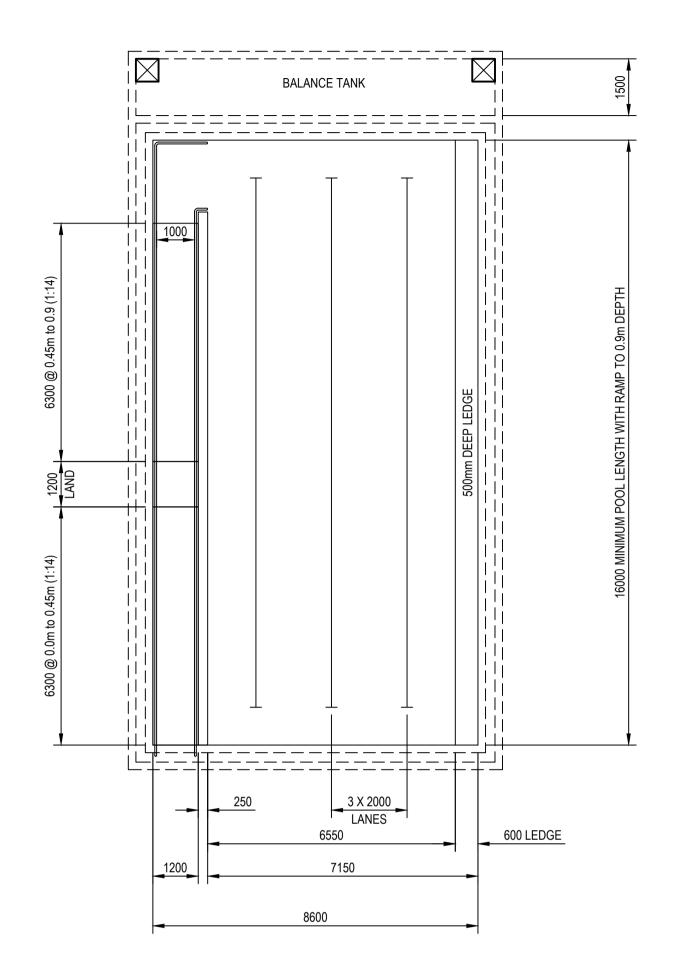
THIS DRAWING IS PREPARED FOR PRELIMINARY FEASIBILITY PURPOSES
ONLY AND IS SUBJECT TO CHANGE PENDING FINAL DETAILED DESIGN.

FILTRATION & WATER TREATMENT NT

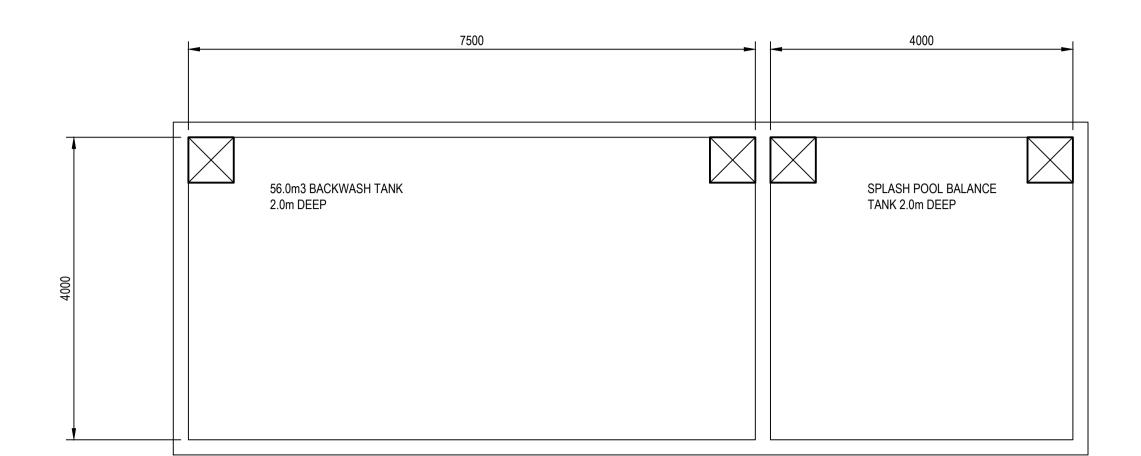
8816 SK01

P1

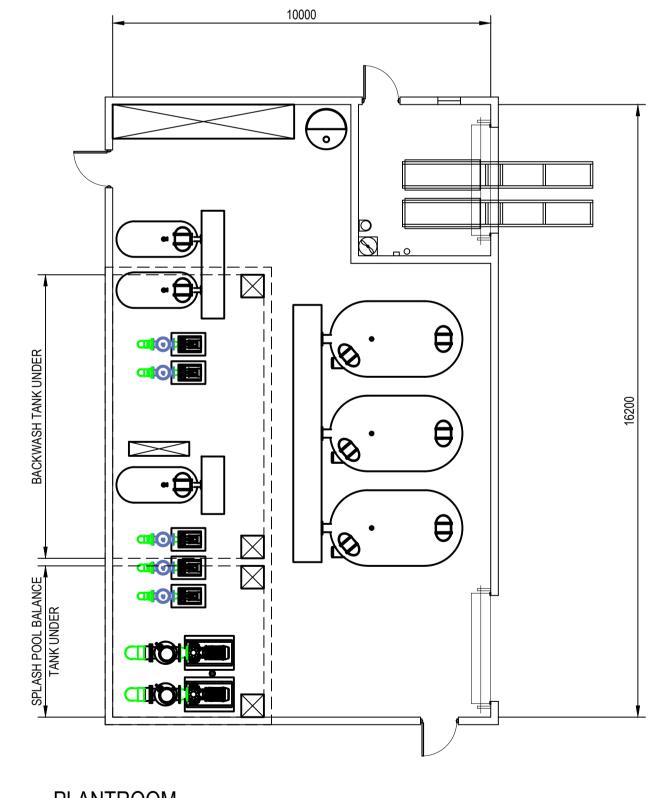
COPYRIGHT © - The concepts and information contained in this document are the copyright of Built Environment Collective Pty Ltd. Use or copying of the document in whole or in part without the written permission of Built Environment Collective Pty Ltd constitutes an infringement of copyright. Do not scale drawings. If in doubt, ask!



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



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



PLANTROOM SCALE - 1:100

| THIS DRAWING IS REQUIRED TO BE PRINTED IN COLOUR |
|--|
| FAILURE TO DO SO MAY RESULT IN LOSS OF INFORMATION. LACK & WHITE PRINTING MAY BE USED IF SPECIFIC BLACK & WHITE |
| DOCUMENTS HAVE BEEN PROVIDED BY BEC |

| 60/03- | | | ASSOCIATED CONSULTANTS — | CLIENT — | PROJECT — | TRAWING TITLE | 1 | -DRAWN | DESIGNED | |
|-----------|--|--|---|----------------|----------------|----------------------|---|---------------|------------------------|------------------------|
| à REV DA | TE DESCRIPTION DRN CHD | NINNES | HUNT ARCHITECTS | SHIDE OF | MOUNT DARKED | O Orro DEED LEADNITO | DDELIMINADV | РВ | PB | |
| MA . | | | HOW ARCHITECTS | SHIRE OF | MOUNT BARKER | 0.9m DEEP LEARN TO | PRELIMINARY | APPROVED ———— | DATE — | |
| 0:41 | | EANG engineered design + | | PLANTAGENET | SWIMMING POOL | SWIM POOL & | NOT FOR CONSTRUCTION | AP | SEPT 2024 | |
| 4 3:4 | | management | | | REFURBISHMENT | PLANTROOM DETAILS | THIS DRAWING IS PREPARED FOR PRELIMINARY FEASIBILITY PURPOSES | SCALE AT A1: | T PROJECT No. — DRAWIN | NG No. ——— REVISION —— |
| 7502. | SYDNEY OF | www: bec.studio | | | REPORDISHIMENT | PLANTROOM DETAILS | ONLY AND IS SUBJECT TO CHANGE PENDING FINAL DETAILED DESIGN. | NTO | 0040 | 1/00 D4 |
| 57.10 | SYDNEY OF | +61 (0)2 9332 5100 | | | - | | FILTRATION & WATER TREATMENT | NTS | 8816 S | K02 P1 |
| COPYRIGHT | I I I © - The concepts and information contained in this document are the copyright of Built Environment Collective Pty Ltd. Use or copying | of the document in whole or in part without the written permission of Built Environm | I ent Collective Pty Ltd constitutes an infringement of copyright. Do not scale drawings. It | in doubt, ask! | I | | I . | | | |