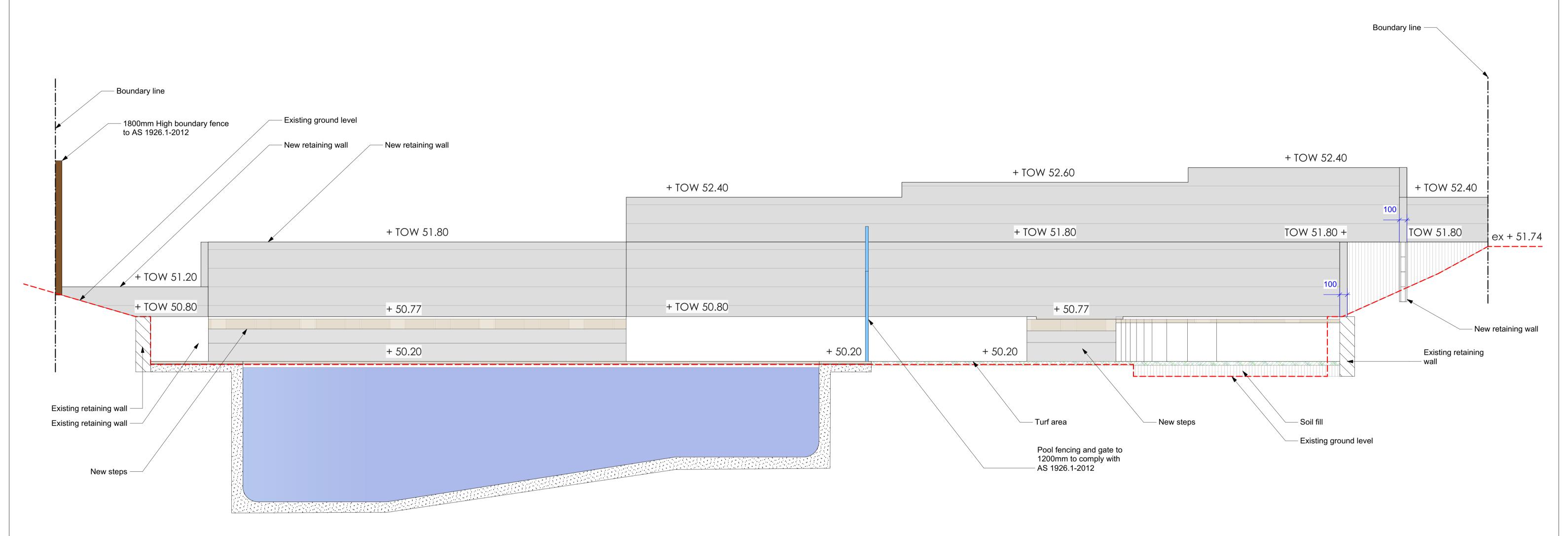


Section CC 1:25@A1 1:50@A3. Do not scale off plan



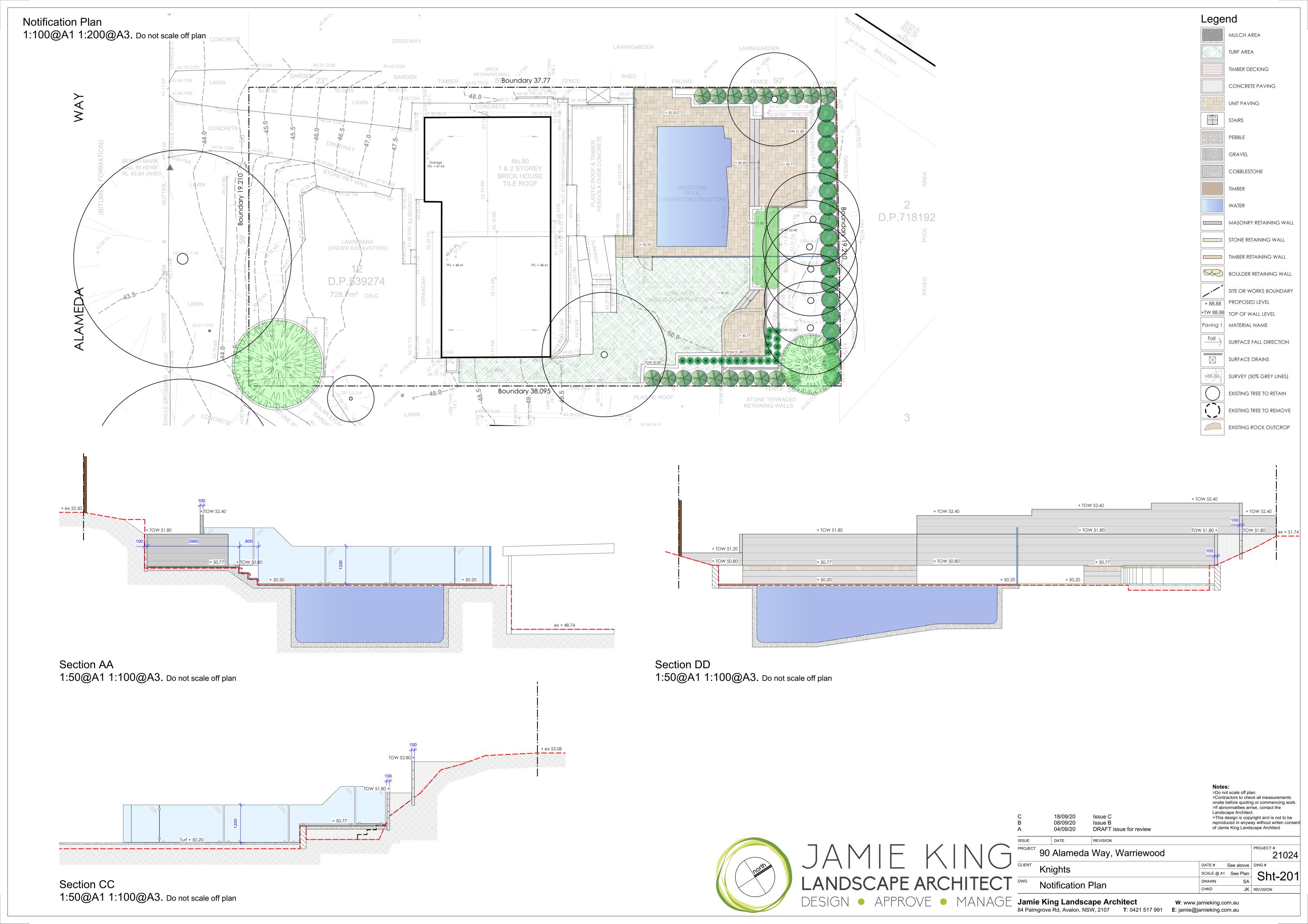
С В А	18/09/20 08/09/20 04/09/20	Issue C Issue B DRAFT issue for review	>Contractors to chonsite before quotionsite before quotionsities a Landscape Archite >This design is coproduced in any	Notes: >Do not scale off plan. >Contractors to check all measurements onsite before quoting or commencing wor laborate arrise, contact the Landscape Architect. >This design is copyright and is not to be reproduced in anyway without writen cons of Jamie King Landscape Architect		
ISSUE	DATE	REVISION				
PROJECT	90 Alamed	a Way, Warriewood		PROJECT # 2102		
CLIENT	17.5 : 5.15.4.5		DATE # See above	DWG#		
	Knights		SCALE @ A1 See Plan	Sht-10		
DWG	Continuo		DRAWN SA			
	Sections		CHKD JK	REVISION		
Jamie	e King Lands	cape Architect	V: www.iamieking.com.au			



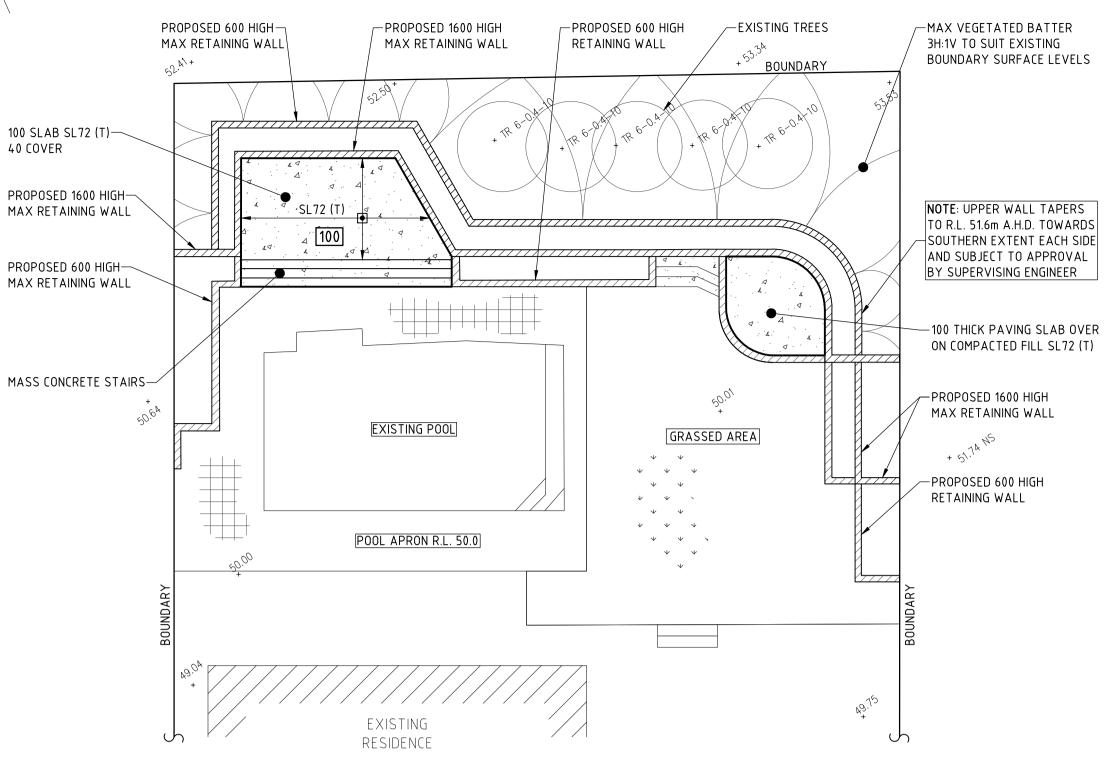
Section DD 1:25@A1 1:50@A3. Do not scale off plan



SUE		18/09/20 08/09/20 04/09/20	Issue C Issue B DRAFT issue for review	>Do not scale off plan. >Contractors to check all measuremen onsite before quoting or commencing volf abnormalities arrise, contact the Landscape Architect. >This design is copyright and is not to reproduced in anyway without writen of Jamie King Landscape Architect		
ROJECT			1.2.10101			PROJECT#
NOJEC I	90	Alameda	Way, Warriewood			21024
LIENT	IZ-a i ada ta			DATE#	See above	DWG#
Knights				SCALE @ A1	See Plan	Sht-105
WG	C-0	Continue			SA	3111 - 103
	Sections			CHKD	JK	REVISION
amie King Landscape Architect W: www.jamieking.com.au						

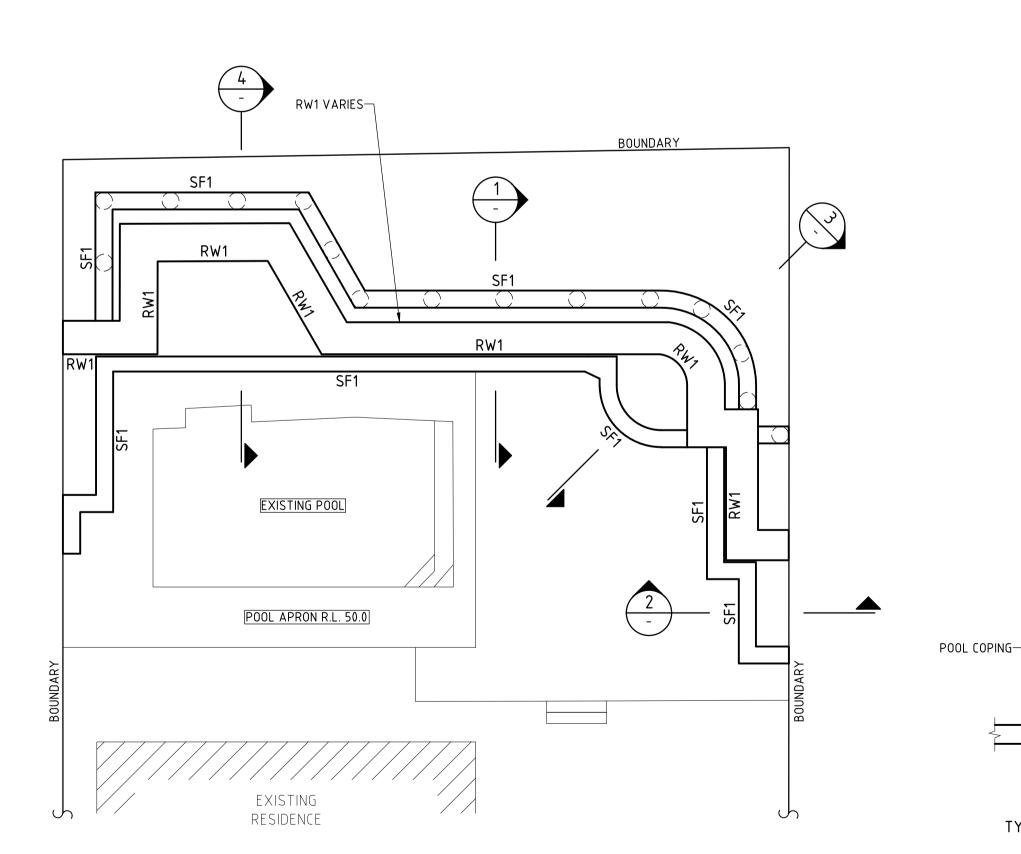






RETAINING WALL PLAN

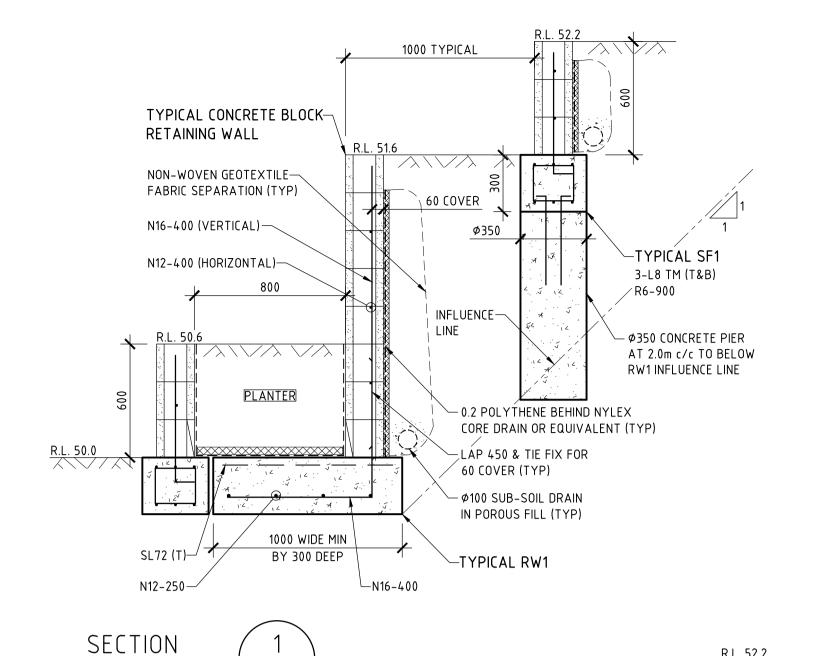
SHOWING NEW RETAINING WALLS AND PAVING SLABS TO BE PROVIDED



RETAINING WALL FOOTING PLAN

SCALE 1:100

NOTE: SUB-SOIL & NEW SURFACE DRAINAGE ELEMENTS TO CONNECT TO THE EXISTING SITE DRAINAGE SYSTEM AND SUBJECT TO APPROVAL BY SUPERVISING ENGINEER



CONCRETE BLOCK-

SELECT COMPACTED FILL -

CONCRETE BLOCK—

RETAINING WALL

PLACE & COMPACT

IN 150 LAYERS

SELECT COMPACTED FILL -

SECTION

SCALE 1:20

SELECT COMPACTED FILL

PLACE & COMPACT

IN 150 LAYERS

SECTION

SCALE 1:20

PLACE & COMPACT

IN 150 LAYERS

/ \ \ / / \

7

☐ INFLUENCE LINE

TYPICAL RW1

TYPICAL SF1

-TYPICAL SF1

RETAINING WALL

SCALE 1:20

TYPICAL SF1-

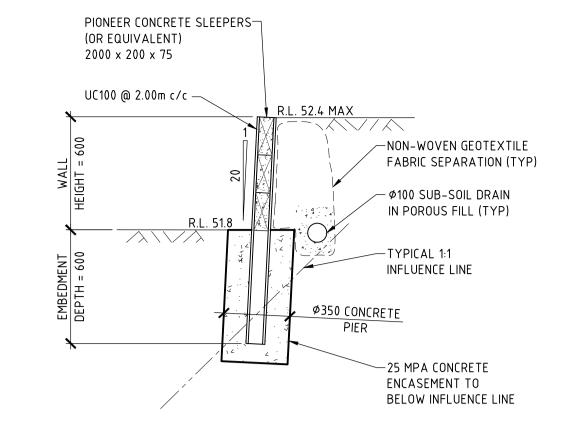
N12-200 CENTRAL-

EACH WAY

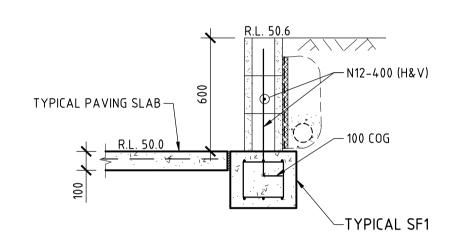
TYPICAL SF1

TYPICAL PAVING SLAB-

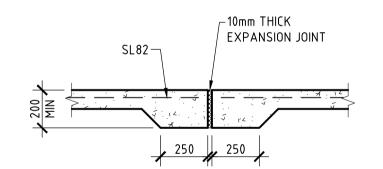
TYPICAL PAVING SLAB-



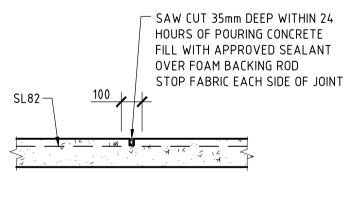
ALTERNATIVE CONCRETE / TIMBER SLEEPER RETAINING WALL DETAIL FOR UPPER LEVEL WALL SCALE 1:20







EXPANSION JOINT DETAIL



SAW CUT JOINT DETAIL

ABBREVIATIONS ISSUE DATE : REVISION U.O.N. UNLESS OTHERWISE NOTED TOP BOTTOM HOT DIPPED H.D. GALV. GALVANISED

- INFLUENCE LINE

TYPICAL RW1

CENTRE TO CENTRE

SQUARE

TYP. TYPICAL

c/c

SQ.

STRUCTURAL DETAILS — RETAINING WALL PLAN 90 ALAMEDA WAY, WARRIEWOOD DRAWN : SCALE @ A1 1:100

Strength shall be verified by plant control testing. 3. Clear concrete cover to reinforcement including ties and stirrups shall as follows unless Exposure Classification A1 B1 B2
Sheltered External locations External locations locations | over 1km from | within 1km of saltwater shoreline saltwater shoreline

Special Requirements

Beams 40 Slabs and walls 20 40 Note that slabs placed over a membrane on ground are included as A1.

CONSTRUCTION NOTES

FOUNDATIONS

FOOTINGS

shown otherwise.

Strip footings

Columns and piers

1. These drawings shall be read in conjunction with all architectural and other consultants drawings and specifications and with such other written instructions as may be issued during the course of the contract. All discrepancies shall be referred to the Supervising

3. All dimensions shall be verified on site by the Contractor who shall be responsible for their

4. The contractor shall be responsible for maintaining the structure and neighbouring

5. All workmanship and materials shall be in accordance with the requirements of the current

SAA Codes and the By-Laws and Ordinances of the relevant Government Authority.

the allowable bearing pressure on this material is assumed to be 150 kPa.

1. Excavation shall be taken into FIRM NATURAL GROUND

3. Site Classification to AS 2870 is Class S. Site

SLAB ON GROUND | 80 | 20 | 25

edition with amendments.

2. Foundation material shall be approved immediately before placing concrete.

1. All workmanship and materials shall be in accordance with AS 3600, current

100 | 20 | 25

2. Concrete quality: All cement shale be Type A Normal Portland Cement.

structures in a safe and stable condition during construction. No part shall be over-

Officer for decision before proceeding with the work.

2. Dimensions shall not be obtained by scaling the structural drawings.

4. Reinforcement symbols: N denotes Grade 500 deformed normal ductility bar to AS 4671. R denotes Grade 250 plain round normal ductility bar to AS 4671. SL denotes Grade 500 low ductility square welded mesh to AS 4671.

RL denotes Grade 500 low ductility rectangular welded mesh to AS 4671 denotes direction of main bars of rectangular fabric (main bars down for bottom reinforcement, main bars up for top reinforcement).

denotes square fabric. → denotes extent of reinforcement. 5. All unsupported bars shall be tied in the transverse direction to N12-200

unless otherwise noted. 6. Reinforcement is shown diagramatically and is not necessarily shown in the true projection.

7. Splices in the reinforcement shall be made only in the positions shown. The written approval of the Supervising Officer shall be obtained for any other splices. Where the lap length is not shown it shall be sufficient to develop the full strength of the reinforcement 8. Welding of reinforcement will not be permitted unless shown on the structural drawings. **──** 25 Min. 9. Fabric lap detail:

—Lap 2 wires 10. Slab reinforcement shall extend at least 65 onto masonry support walls unless

11. Concrete sizes shown are minimum and no reductions by ducts, pipes, etc. shall be

made without the approval of the Supervising Officer. Sizes do not include thickness of applied finishes. Beam depths are written first and do not include slab thickness.

13. Pines or conduits shall not be placed within the concrete cover to reinforcement without the approval of the Supervising Officer. 14. No holes or chases other than those shown on the structural drawings shall be made in concrete members without the prior approval of the Supervising Officer.

15. Construction joints where not shown shall be located to the approval of the Supervising Officer. 16. The contractor shall notify the Engineer 24 hours before pouring concrete

17. The concrete shall be compacted using high frequency vibrators. 18. Columns, piers, and pedestals shall be placed 24 hours (min.) before concrete in slabs or beams over. 19. Curing of all concrete surfaces shall commence immediately after surfaces are

finished as specified. BRICK AND CONCRETE BLOCK MASONRY 1. All workmanship and materials shall be in accordance with AS 3700.

2. Two layers of approved metal based slip joint material shall be laid under all slabs

where they bear on brickwork. 3. Walls shown on structural drawings are load bearing walls. Non load bearing walls under slabs shall be separated from the concrete by a minimum of 10mm

thick compressible material. 4. No brickwork which is supported by the slab shall be erected until formwork has been removed.

5. Brick mortar to be 1:1:6 proportions by volume of cement, lime and sand. 6. Brick strength of load bearing brickwork to be a minimum of f'uc = 14 Mpa.

REINFORCED CONCRETE BLOCK MASONRY All concrete masonry units shall conform to the requirements of AS 2733.

2. The design strength of concrete masonry shall be:

	Strength	Mortar Mix	
Element	Grade of Units	Cement, Lime ,Sand	
RETAINING WALLS	15 MPa	1:0.1:3	
	(BLOCKS)		

3. Workmanship involved in placing concrete units shall comply with AS 3700 and all units shall be have fully bedded face shells and cross walls.

4. Clean out holes shall be provided at the base of all reinforced cores. 5. Unless noted otherwise the cores of all concrete masonry units shall be filled with concrete having a characteristic strength at 28 days (f'c) of 20 MPa. and a slump of 180mm to 230mm when being placed. the concrete filling shall be thoroughly compacted.

6. Max size of course aggregate in concrete used to fill cores shall be 10mm unless shown otherwise. STRUCTURAL STEELWORK 1. All workmanship and materials shall be in accordance with AS 4100 and AS 1554

except where varied by the contract documents 2. Three (3) copies of all shop details shall be submitted to the engineer for approval of structural sufficiency before fabrication.

3. All welds shall be 6mm continuous fillet, all bolts ϕ 20mm, all gussets plates 10mm thick, unless noted otherwise on the drawing.

4. Concrete encased steelwork shall be wrapped with 3mm wire at 100mm centres and shall have a minimum 50 cover of concrete.

5. Steel beams and trusses with span greater than 6m shall be fabricated with an upwards precamber of 1/500 span in each span unless noted otherwise on the drawings.

6. Structural steelwork is to be wire brushed to remove rust and loose mill scale and coated with one coat of approved primed unless noted otherwise on the drawings.

7. All steelwork cast into brickwork is to be hot dipped galvanised.

1. Timber construction is to be in accordance with AS 1720 and the Timber Framing Code AS 1684.

2. Timber stress grade shall be F7 unless noted otherwise.

CONSULTING CIVIL & STRUCTURAL ENGINEERS

1:20 25 AUGUST 2020 BE Civil (Hons) MIE Aust. "Seascape" Suite 7 22-26 Fisher Rd Dee Why NSW 2099 T 02 9982 7092 F 02 9982 5898 enquire@taylorconsulting.net.au www.taylorconsulting.net.au