

 northern
beaches
council

**THIS PLAN IS TO BE READ IN
CONJUNCTION WITH
THE CONDITIONS OF DEVELOPMENT
CONSENT**

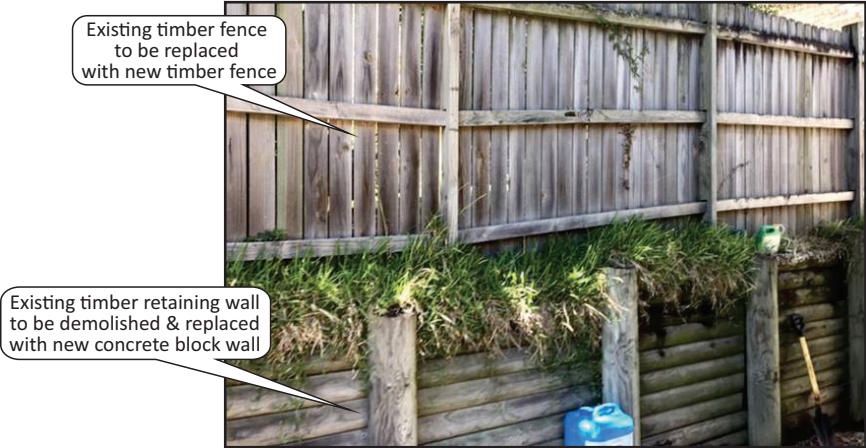
DA2020/0576



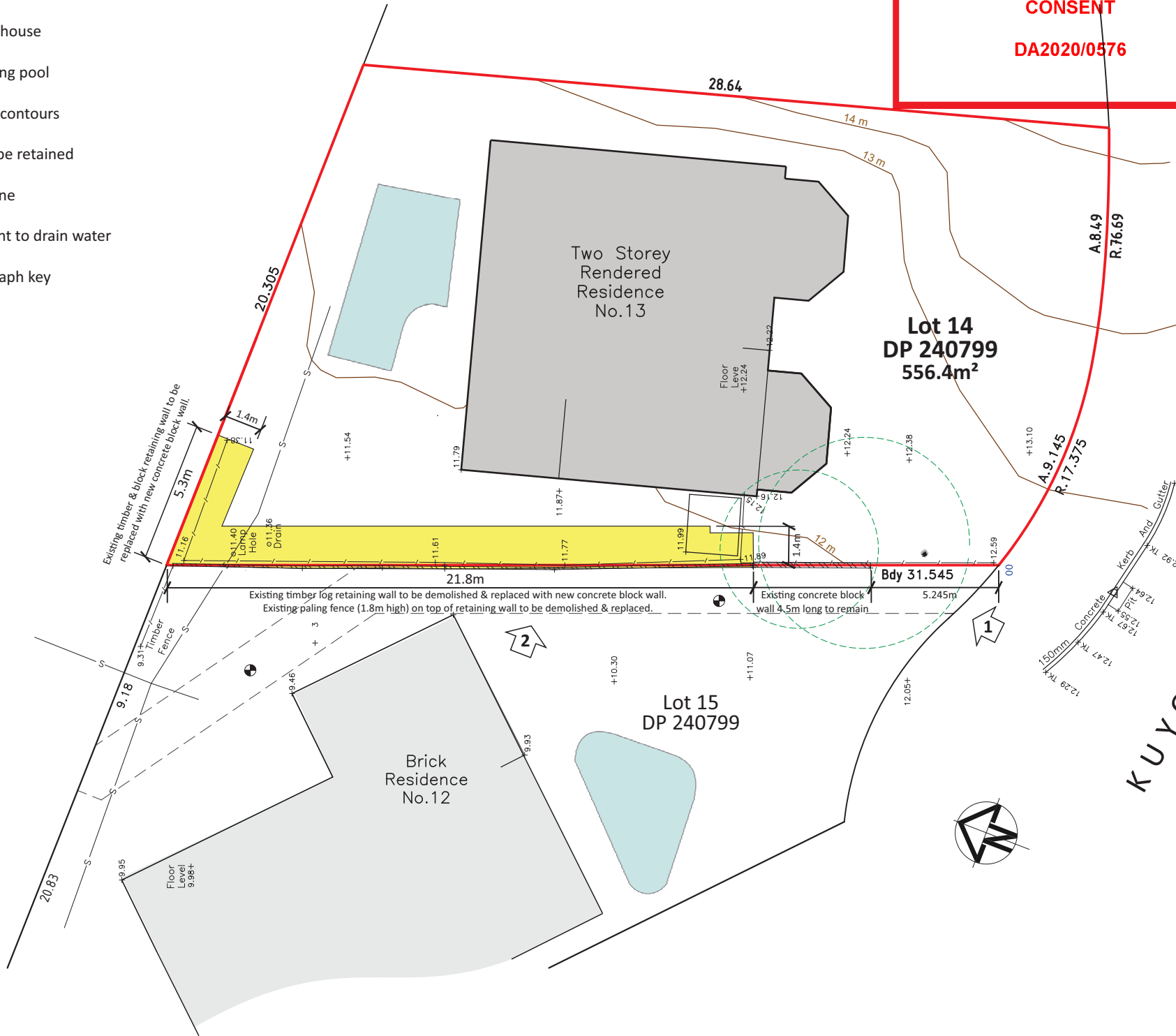
Google Aerial View
1 : 500 @ A3



Photograph 1



Photograph 2



SITE PLAN

0 5m
1 : 200 @ A3

				Source: Richard & Loftus Surveyor Services, Ref. 2464 DS Issue A Taylor Consulting Engineers, Dwg No. 41716-1 Contours - ELVIS Elevation Spatial Data Drawn by Victoria Allis Drafting & Graphics	Prepared for  Mobile: 0438 828 972 Email: info@natalierichterplanning.com.au Address: PO Box 59, Mt Colah NSW 2079	Client BRETT WINSTON	Date 16 April 2020	Title Retaining Wall Replacement 13 Kuyora Place, North Narrabeen SITE PLAN
						Project REPLACEMENT OF RETAINING WALL 13 KUYORA PLACE, NORTH NARRABEEN NSW (Lot 14 DP240799)	Scale 1 : 200 @ A3 unless shown otherwise	
Ref.	Amendment	By	Date				Sheet 1 of 3	
						Plan No. 001-NR0120		Revision -



northern
beaches
council

THIS PLAN IS TO BE READ IN
CONJUNCTION WITH
THE CONDITIONS OF DEVELOPMENT
CONSENT

DA2020/0576

- Legend
- Existing timber log retaining wall to be demolished

Existing timber fence

Existing block wall to be retained

New concrete block retaining wall

New footing

11.30

Level at top of existing retaining wall

+ 11.07

Existing ground level

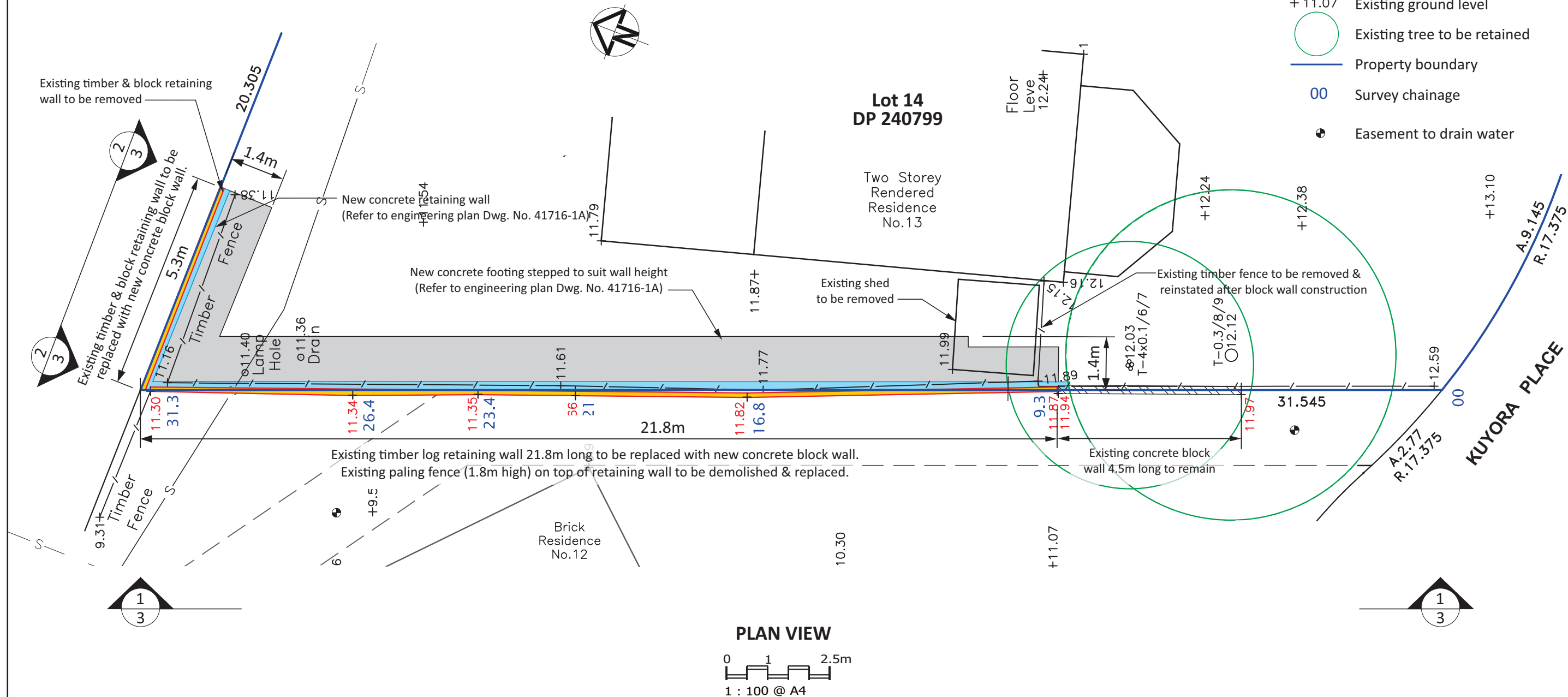
Existing tree to be retained

Property boundary


00

Survey chainage

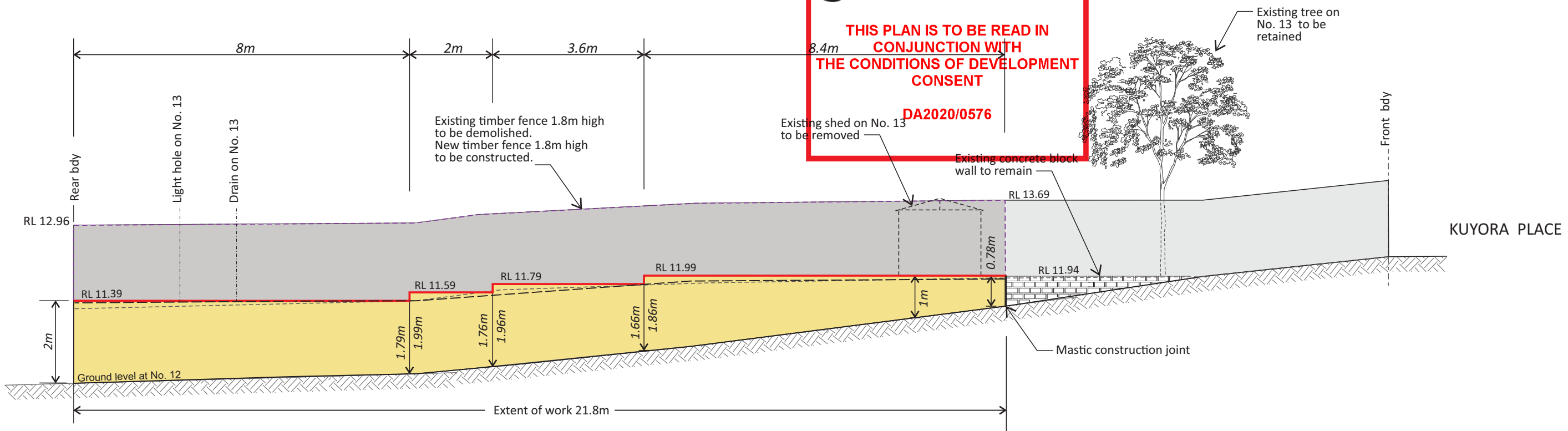
Easement to drain water



				Source: Richard & Loftus Surveyor Services, Ref. 2464 DS Issue A Taylor Consulting Engineers, Dwg No. 41716-1	Prepared for <div></div> Mobile: 0438 828 972 Email: info@natalierichterplanning.com.au Address: PO Box 59, Mt Colah NSW 2079	Client BRETT WINSTON	Date 16 April 2020	Title Retaining Wall Replacement 13 Kuyora Place, North Narrabeen PLAN VIEW		
									Project REPLACEMENT OF RETAINING WALL 13 KUYORA PLACE, NORTH NARRABEEN NSW (Lot 14 DP240799)	Scale 1 : 100 @ A3 unless shown otherwise
Ref.	Amendment	By	Date			Drawn by Victoria Allis Drafting & Graphics				Plan No. 002-NR0120

 northern beaches council

THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT DA2020/0576

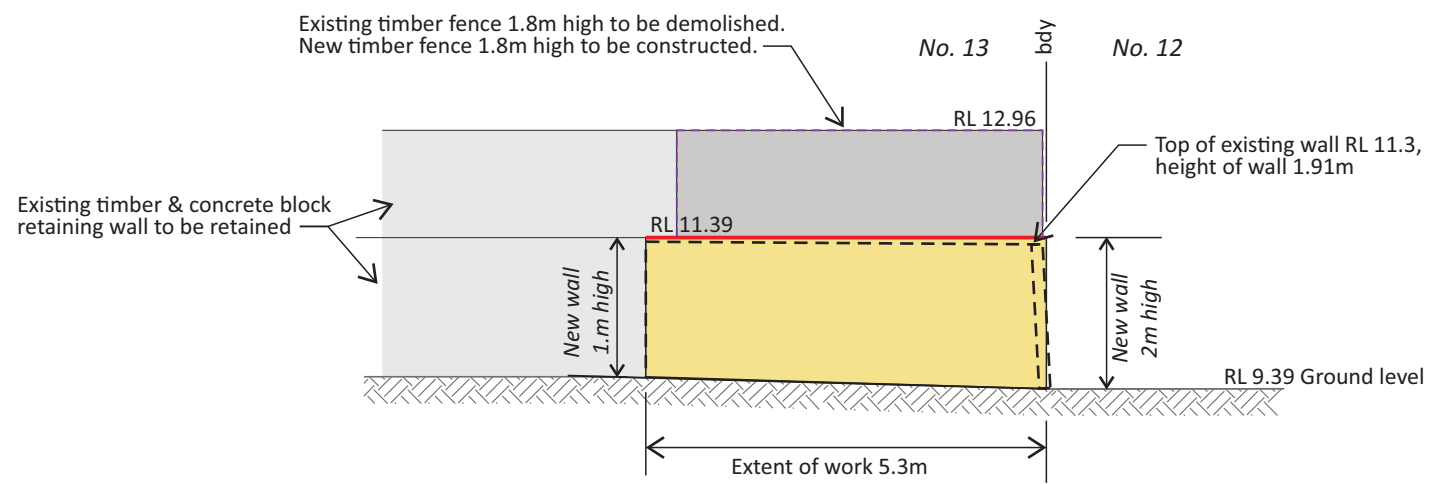


1 SIDE BOUNDARY ELEVATION

0 1 2.5m

1 : 100 @ A4

- Legend**
- New concrete block retaining wall
 - Top of new retaining wall
 - Top of existing retaining wall
 - Ground level on No. 13
 - Existing timber fence to be demolished and replaced
 - Existing timber fence to remain
 - Existing ground level

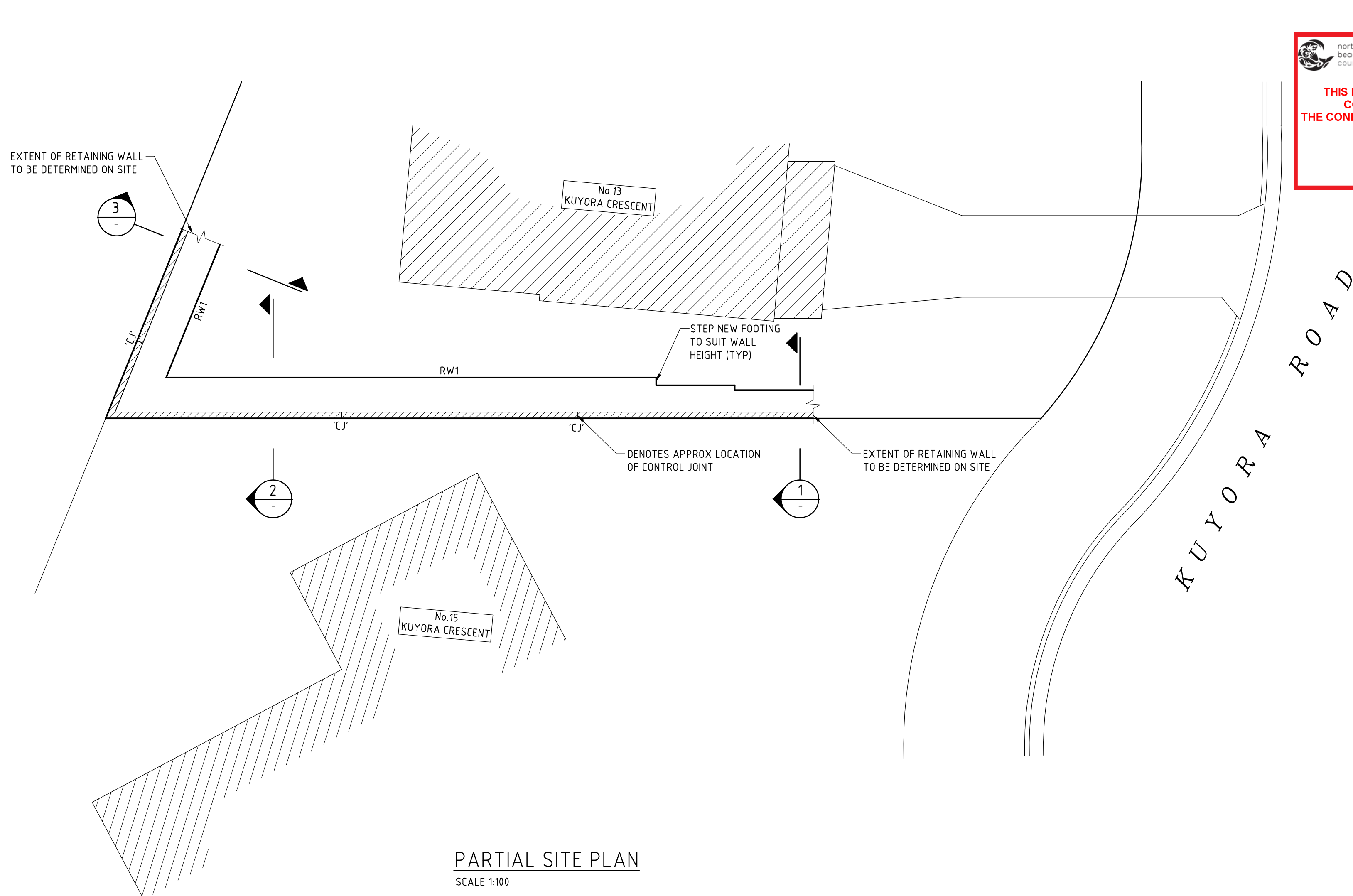


2 REAR BOUNDARY ELEVATION

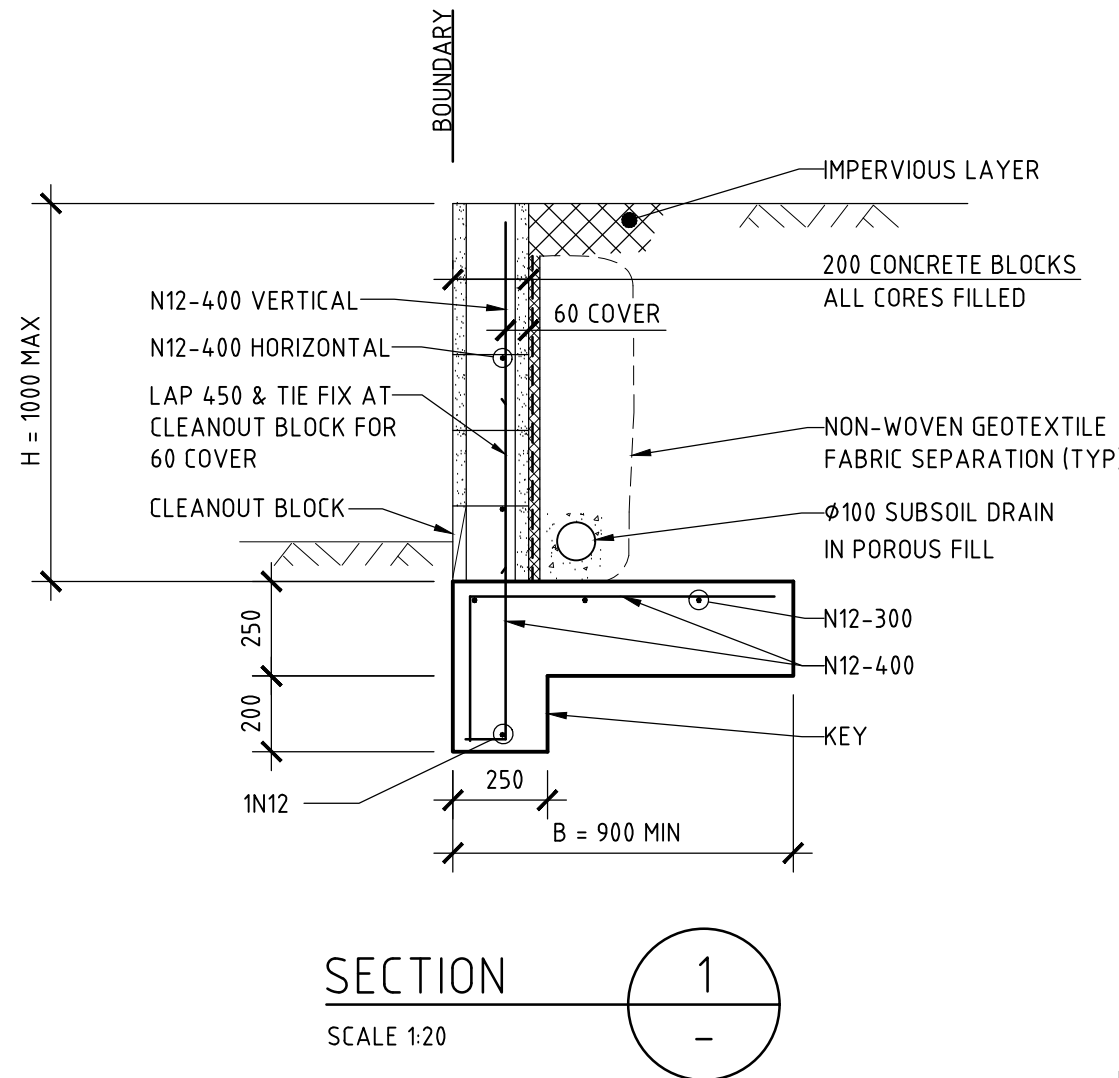
0 1 2.5m

1 : 100 @ A4

Source: Richard & Loftus Surveyor Services, Ref. 2464 DS Issue A Taylor Consulting Engineers, Dwg No. 41716-1 Contours - ELVIS Elevation Spatial Data Drawn by Victoria Allis Drafting & Graphics				Prepared for  Mobile: 0438 828 972 Email: info@natalierichterplanning.com.au Address: PO Box 59, Mt Colah NSW 2079		Client BRETT WINSTON	Date 16 April 2020	Title Retaining Wall Replacement 13 Kuyora Place, North Narrabeen ELEVATIONS
						Project REPLACEMENT OF RETAINING WALL 13 KUYORA PLACE, NORTH NARRABEEN NSW (Lot 14 DP240799)	Scale 1 : 100 @ A3 unless shown otherwise	
Ref.	Amendment	By	Date				Sheet 3 of 3	Plan No. 003-NR0120 Revision -

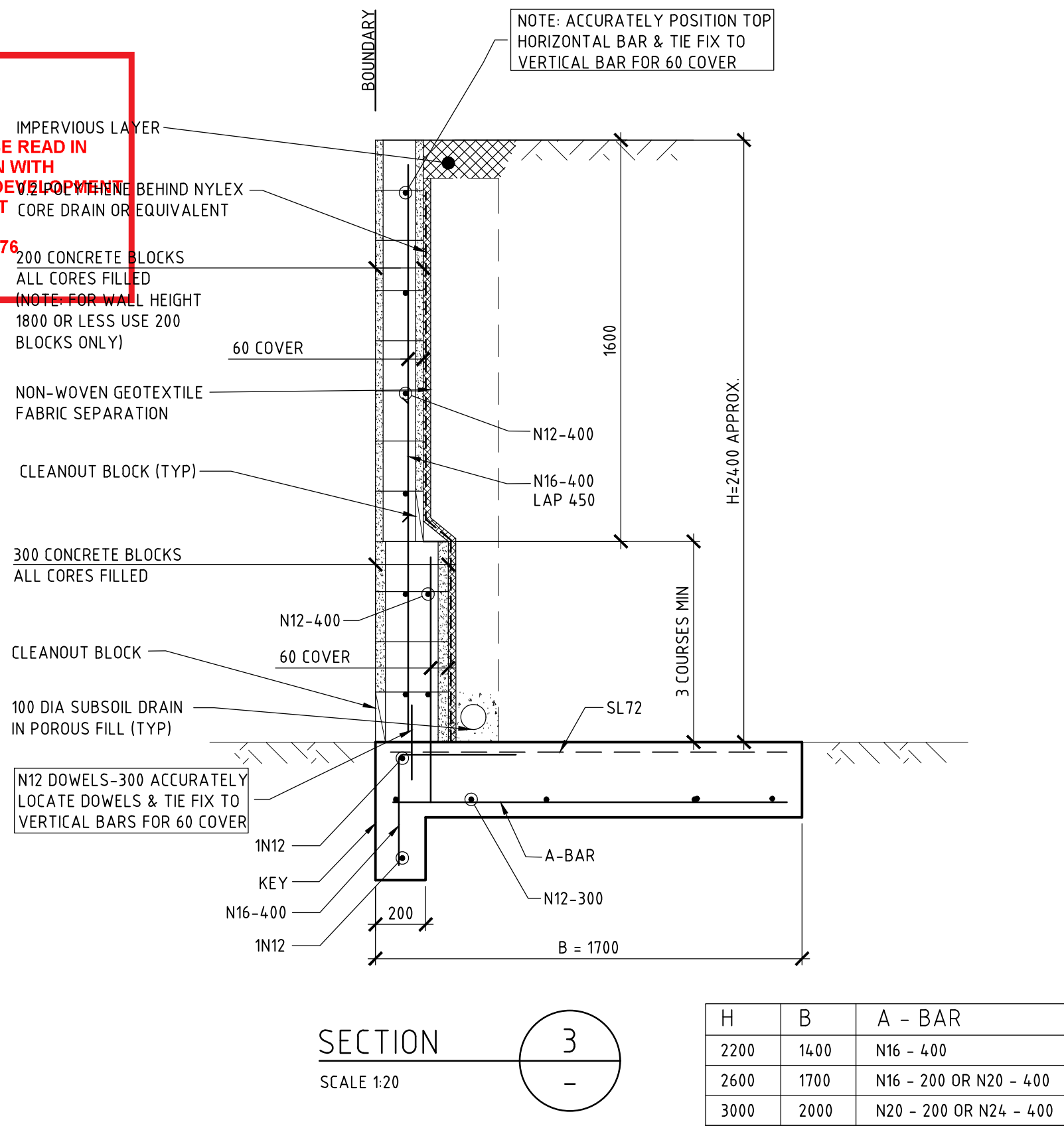


PARTIAL SITE PLAN
SCALE 1:100

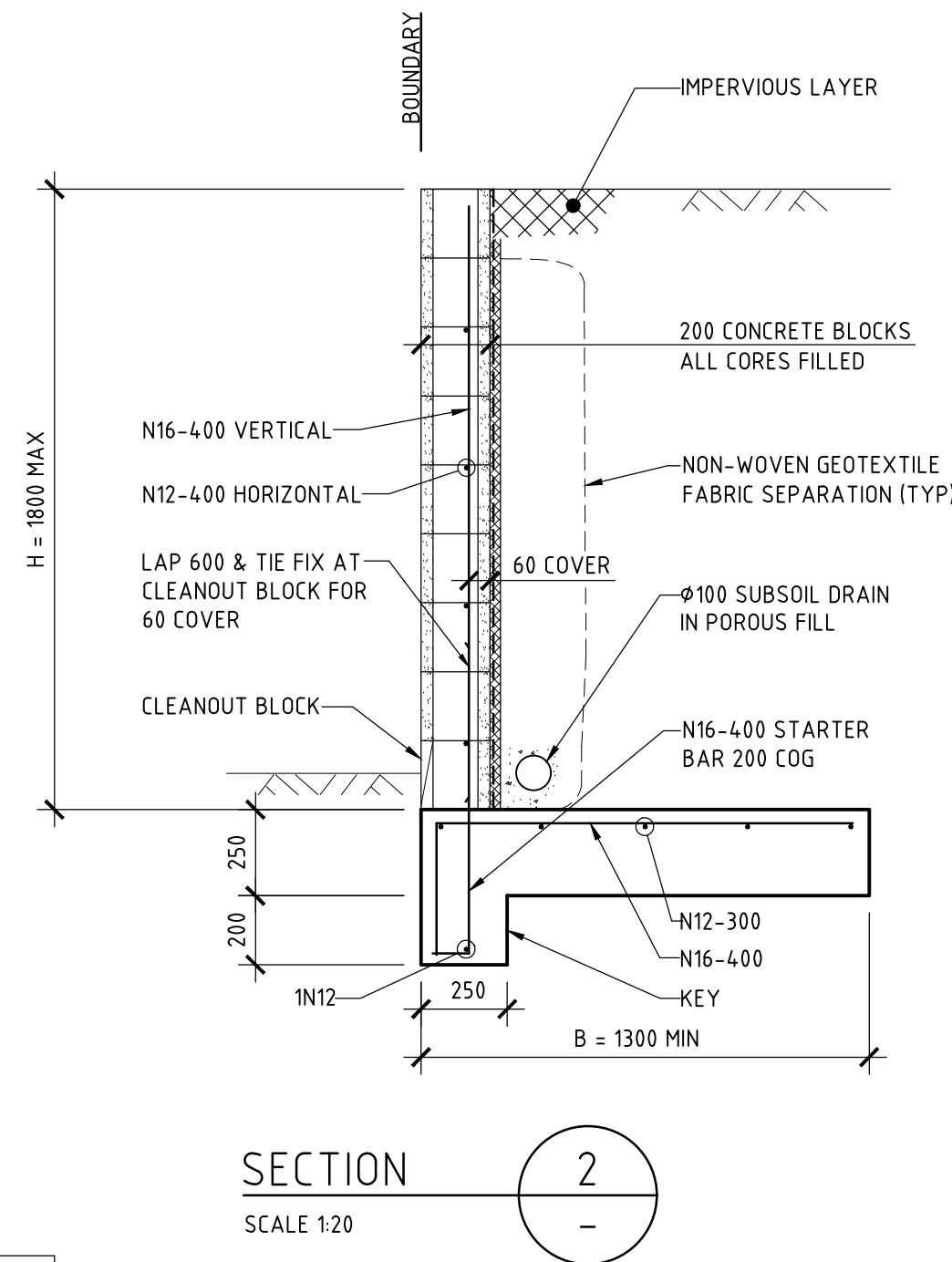


SECTION 1
SCALE 1:20

H	B	A - BAR
1000	900	N12 - 400
1400	1050	N16 - 400
1800	1300	N16 - 400



SECTION 3
SCALE 1:20



SECTION 2
SCALE 1:20

ABBREVIATIONS

U.O.N.	UNLESS OTHERWISE NOTED
T	TOP
B	BOTTOM
H.D.	HOT DIPPED
GALV.	GALVANISED
MIN.	MINIMUM
c/c	CENTRE TO CENTRE
SQ.	SQUARE
TYP.	TYPICAL

ISSUE DATE	REVISION
30 APRIL 2020	2400 WALL ADDED

TITLE	STRUCTURAL DETAILS – ALTERATIONS AND ADDITIONS 13 KUYORA CRESCENT, NORTH NARRABEEN
DRAWN	JBK
DATE	20 DECEMBER 2016
CHECKED	<i>[Signature]</i> BE Civil (Hons) MIE Aust.
SCALE	© A1 1:100 1:20

TAYLOR
CONSULTING
CIVIL & STRUCTURAL ENGINEERS

47716-1A
DRAWING NO.

CONSTRUCTION NOTES

- GENERAL**
- 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 Officer for decision before proceeding with the work.
 - Dimensions shall not be obtained by scaling the structural drawings.
 - All dimensions shall be verified on site by the Contractor who shall be responsible for their correctness.
 - The contractor shall be responsible for maintaining the structure and neighbouring structures in a safe and stable condition during construction. No part shall be over-stressed.
 - 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.
- FOUNDATIONS**
- Excavation shall be taken into Firm Natural Ground. The allowable bearing pressure on this material is assumed to be 150 kPa.
 - Foundation material shall be approved immediately before placing concrete.
 - Site Classification to AS 2870 is Class S. Site
- CONCRETE**
- All workmanship and materials shall be in accordance with AS 3600, current edition with amendments.
 - Concrete quality: All cement shall be Type A Normal Portland Cement.
- | Element | Slump mm | Max. Size Agg mm | f'c MPa | Special Requirements |
|----------|----------|------------------|---------|----------------------|
| FOOTINGS | 80 | 20 | 25 | - |
- Strength shall be verified by plant control testing.
- Clear concrete cover to reinforcement including ties and stirrups shall as follows unless shown otherwise.
- | Element | Exposure Classification | | |
|-------------------|-------------------------|---|---|
| | A1 Sheltered locations | B1 External locations over 10m from saltwater shoreline | B2 External locations within 10m of saltwater shoreline |
| Strip footings | - | 50 | 50 |
| Columns and piers | 20 | 40 | 50 |
| Beams | 20 | 40 | 45 |
| Slabs and walls | 20 | 40 | 45 |
- Note that slabs placed over a membrane on ground are included as A1.
- 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.
- All unsupported bars shall be lapped in the transverse direction to N12-200 unless otherwise noted.
 - Reinforcement is shown diagrammatically and is not necessarily shown in the true projection.
 - 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.
 - Welding of reinforcement will not be permitted unless shown on the structural drawings.
 - Fabric lap detail:

Lap 2 wires
 - Slab reinforcement shall extend at least 65 onto masonry support walls unless shown otherwise.
 - 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.
 - Pipes and conduits shall not be placed within the concrete cover to reinforcement without the approval of the Supervising Officer.
 - 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.
 - Construction joints where not shown shall be located to the approval of the Supervising Officer.
 - The contractor shall notify the Engineer 24 hours before pouring concrete.
 - The concrete shall be compacted using high frequency vibrators.
 - Columns, piers, and pedestals shall be placed 24 hours (min) before concrete in slabs or beams over.
 - Curing of all concrete surfaces shall commence immediately after surfaces are finished as specified.
- BRICK AND CONCRETE BLOCK MASONRY**
- All workmanship and materials shall be in accordance with AS 3700.
 - Two layers of approved metal based slip joint material shall be laid under all slabs where they bear on brickwork.
 - 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.
 - No brickwork which is supported by the slab shall be erected until formwork has been removed.
 - Brick mortar to be 1:1:6 proportions by volume of cement, lime and sand.
 - 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.
 - The design strength of concrete masonry shall be:
- | Element | Strength Grade of Units | Mortar Mix Cement, Lime, Sand |
|-----------------|-------------------------|-------------------------------|
| RETAINING WALLS | 15 MPa (BLOCKS) | 1:0.1:3 |
- Workmanship involved in placing concrete units shall comply with AS 3700 and all units shall be have fully bedded face shells and cross walls.
 - Clean out holes shall be provided at the base of all reinforced cores.
 - Unless noted otherwise the cores of all concrete masonry units shall be filled with concrete having a characteristic strength at 28 days (f'cd) of 20 MPa and a slump of 180mm to 230mm when being placed. The concrete filling shall be thoroughly compacted.
 - Max size of coarse aggregate in concrete used to fill cores shall be 10mm unless shown otherwise.
- STRUCTURAL STEELWORK**
- All workmanship and materials shall be in accordance with AS 4100 and AS 1554 except where varied by the contract documents.
 - Three (3) copies of all shop details shall be submitted to the engineer for approval of structural sufficiency before fabrication.
 - All welds shall be 6mm continuous fillet, all bolts #20mm, all gusset plates 10mm thick, unless noted otherwise on the drawing.
 - Concrete encased steelwork shall be wrapped with 3mm wire at 100mm centres and shall have a minimum 50 cover of concrete.
 - Steel beams and trusses with span greater than 6m shall be fabricated with an upwards pre-camber of 1/500 span in each span unless noted otherwise on the drawings.
 - Structural steelwork is to be wire brushed to remove rust and loose mill scale and coated with one coat of approved primer unless noted otherwise on the drawings.
 - All steelwork cast into brickwork is to be hot dipped galvanised.
- TIMBER**
- Timber construction is to be in accordance with AS 1729 and the Timber Framing Code AS 1684.
 - Timber stress grade shall be F7 unless noted otherwise.