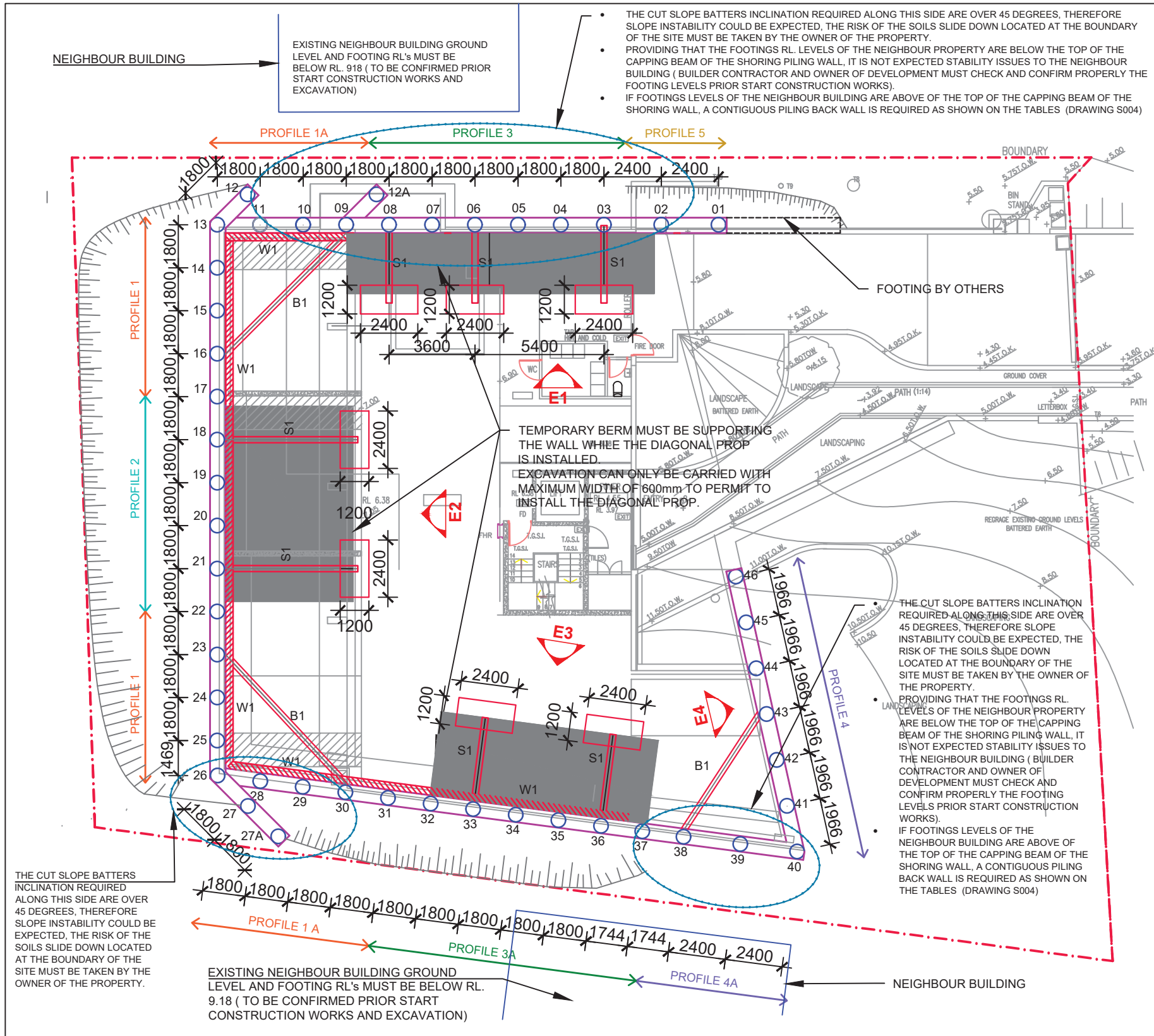




SHORING LEGEND		CONCRETE QUALITY					REINFORCEMENT COVER SCHEDULE			STEEL MEMBER SCHEDULE		
		SLUMP	ELEMENT	AGGREGATE SIZE	CEMENT TYPE	f _c	ELEMENT	COVER	EXPOSURE CLASSIFICATION	ELEMENT	SIZE	DESCRIPTION
	SITE BOUNDARY		PILES	150mm	10 mm	GP	40 MPa	60mm	B1	S1	250UC90	DIAGONAL PROP
	DENOTES SHORING PILES											
	CAPPING BEAM		CAPPING BEAM	80mm	20 mm	GP	40 MPa	50mm	B1	B1	310UC118	CORNER BRACING
	WALER BEAM		SHOTCRETE	80mm	10 mm	GP	32 MPa	40mm	B1	W1	310UC137	WALER BEAM
	ANCHOR											

PILE SCHEDULE							
PROFILE 1				PROFILE 1A (* REFER TO BACK WALL IF REQUIRED)			
DIAMETER (mm)	SPACING (mm)	TOP R.L. (m)	B.E.L. R.L. (m)	DIAMETER (mm)	SPACING (mm)	TOP R.L. (m)	B.E.L. R.L. (m)
Ø600	1800	12.18	6.18	Ø600	1800	12.18	6.18
EMBEDMENT (mm)	REINFORCEMENT (-)	CONCRETE STRENGTH (MPa) COVER (mm)		EMBEDMENT (mm)	REINFORCEMENT (-)	CONCRETE STRENGTH (MPa) COVER (mm)	
3000	10N20 N12-300	40/60		3000	10N20 N12-300	40/60	
CAPPING BEAM		SHOTCRETE		CAPPING BEAM		SHOTCRETE	
650 x 500mm (2N20 + 2N16 TOP AND BOTTOM +1 N12-200 MIDDLE EACH FACE)		170mm THICK + SL82 + N12-400 (H)		650 x 500mm (2N20 + 2N16 TOP AND BOTTOM +1 N12-200 MIDDLE EACH FACE)		170mm THICK + SL82 + N12-400 (H)	
* BACK WALL (APPLICABLE TO PROFILES 1A/3/4A IF REQUIRED)				PROFILE 2			
DIAMETER (mm)	SPACING (mm)	TOP R.L. (m)	B.E.L. R.L. (m)	DIAMETER (mm)	SPACING (mm)	TOP R.L. (m)	B.E.L. R.L. (m)
Ø450	500	VARIES	VARIES	Ø600	1 800	12.18	6.18
EMBEDMENT (mm)	REINFORCEMENT (-)	CONCRETE STRENGTH (MPa) COVER (mm)		EMBEDMENT (mm)	REINFORCEMENT (-)	CONCRETE STRENGTH (MPa) COVER (mm)	
VARIES	6N24 N12-200	40/60		3 000	10N 20 N12-300	40/60	
CAPPING BEAM		SHOTCRETE		CAPPING BEAM		SHOTCRETE	
500 x 400mm (3N16 T&B N12 - 200 TIES)		150mm THICK + SL82		650 x 500mm (2N20 + 2N16 TOP AND BOTTOM + 1 N12-200 MIDDLE EACH FACE)		170mm THICK + SL82 + N12-400 (H)	
PROFILE 3 (* REFER TO BACK WALL IF REQUIRED)				PROFILE 3A (* REFER TO BACK WALL IF REQUIRED)			
DIAMETER (mm)	SPACING (mm)	TOP R.L. (m)	B.E.L. R.L. (m)	DIAMETER (mm)	SPACING (mm)	TOP R.L. (m)	B.E.L. R.L. (m)
Ø600	1 800	9.18	6.18	Ø600	1 800	12.18	6.18
EMBEDMENT (mm)	REINFORCEMENT (-)	CONCRETE STRENGTH (MPa) COVER (mm)		EMBEDMENT (mm)	REINFORCEMENT (-)	CONCRETE STRENGTH (MPa) COVER (mm)	
3 000	10N20 N12-300	40/60		3 000	10N 20 N12-300	40/60	
CAPPING BEAM		SHOTCRETE		CAPPING BEAM		SHOTCRETE	
650 x 500mm (2N20 + 2N16 TOP AND BOTTOM + 1 N12-200 MIDDLE EACH FACE)		170mm THICK + SL82 + N12-400 (H)		650 x 500mm (2N20 + 2N16 TOP AND BOTTOM + 1 N12-200 MIDDLE EACH FACE)		170mm THICK + SL82 + N12-400 (H)	
PROFILE 4				PROFILE 4A (* REFER TO BACK WALL IF REQUIRED)			
DIAMETER (mm)	SPACING (mm)	TOP R.L. (m)	B.E.L. R.L. (m)	DIAMETER (mm)	SPACING (mm)	TOP R.L. (m)	B.E.L. R.L. (m)
Ø600	1 966	9.18	6.18	Ø600	2 400	9.18	6.18
EMBEDMENT (mm)	REINFORCEMENT (-)	CONCRETE STRENGTH (MPa) COVER (mm)		EMBEDMENT (mm)	REINFORCEMENT (-)	CONCRETE STRENGTH (MPa) COVER (mm)	
3 000	10N20 N12-300	40/60		3 000	10N 20 N12-300	40/60	
CAPPING BEAM		SHOTCRETE		CAPPING BEAM		SHOTCRETE	
650 x 500mm (2N20 + 2N16 TOP AND BOTTOM + 1 N12-200 MIDDLE EACH FACE)		170mm THICK + SL82 + N12-400 (H)		650 x 500mm (2N20 + 2N16 TOP AND BOTTOM + 1 N12-200 MIDDLE EACH FACE)		170mm THICK + SL82 + N12-400 (H)	
PROFILE 5				NOTE: • THE BACKWALL SOCKET AND B.E.L. (AND SPACING) VARY WITH LOCATION (BACK WALL IF REQUIRED) • REFER TO ELEVATION FOR DETAILS. • IF CUT SLOPE BATTERS WITH MAXIMUM INCLINATION OF 1.5(H):1(V) CAN NOT BE UNDERTAKEN A CONTIGUOUS PILING BACKWALL MUST BE INSTALLED TO ENSURE EXCAVATION STABILITY.			
DIAMETER (mm)	SPACING (mm)	TOP R.L. (m)	B.E.L. R.L. (m)				
Ø600	2 400	8.08	6.18				
EMBEDMENT (mm)	REINFORCEMENT (-)	CONCRETE STRENGTH (MPa) COVER (mm)					
2500	10N20 N12-300	40/60					
CAPPING BEAM		SHOTCRETE					
650 x 500mm (2N20 + 2N16 TOP AND BOTTOM + 1 N12-200 MIDDLE EACH FACE)		170 mm THICK SL82 + N12-400 (H)					

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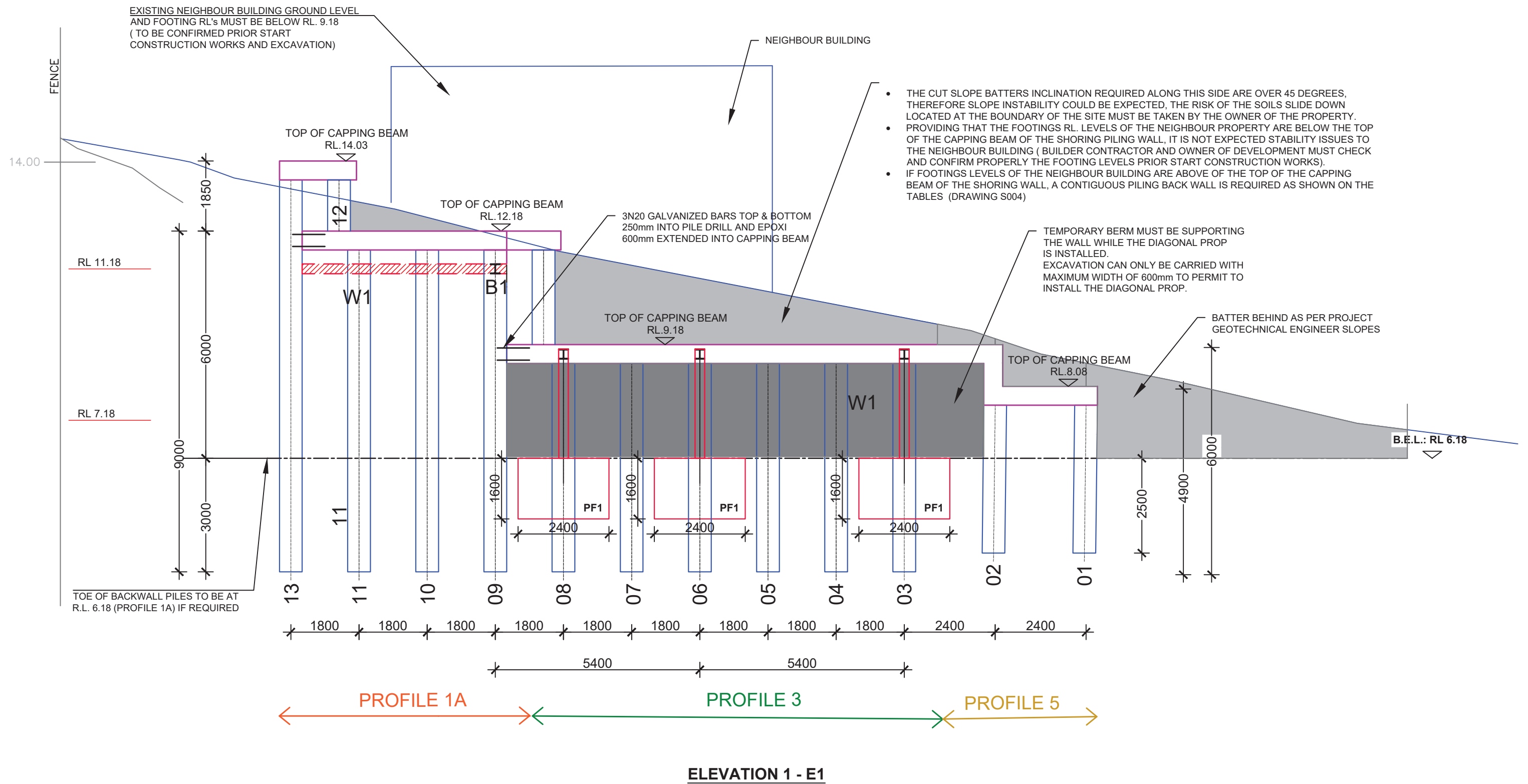
CLIENT:

IAN WESTAWAY

TITLE:

PILING SHORING WALLS - PLAN
NEW RESIDENCE AT
1955 PITTWATER ROAD
BAYVIEW, NSW 2104

Revision	Date	DATE: 27/01/2021	DESIGNED BY: MJ
1	15/12/2020		
2	27/01/2021		
		SCALE: 1/200	CHECKED BY: JC
		PROJECT No: SRE/714/BV/20	Drawing No: S004



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Soilsrock Engineering Pty. Ltd
2A/32 Fisher Road, Dee Why, NSW 2099
M: 0457 115 044 | T: (02)8065 2922
Email: info@soilsrock.com.au
www.soilsrock.com.au

CLIENT:

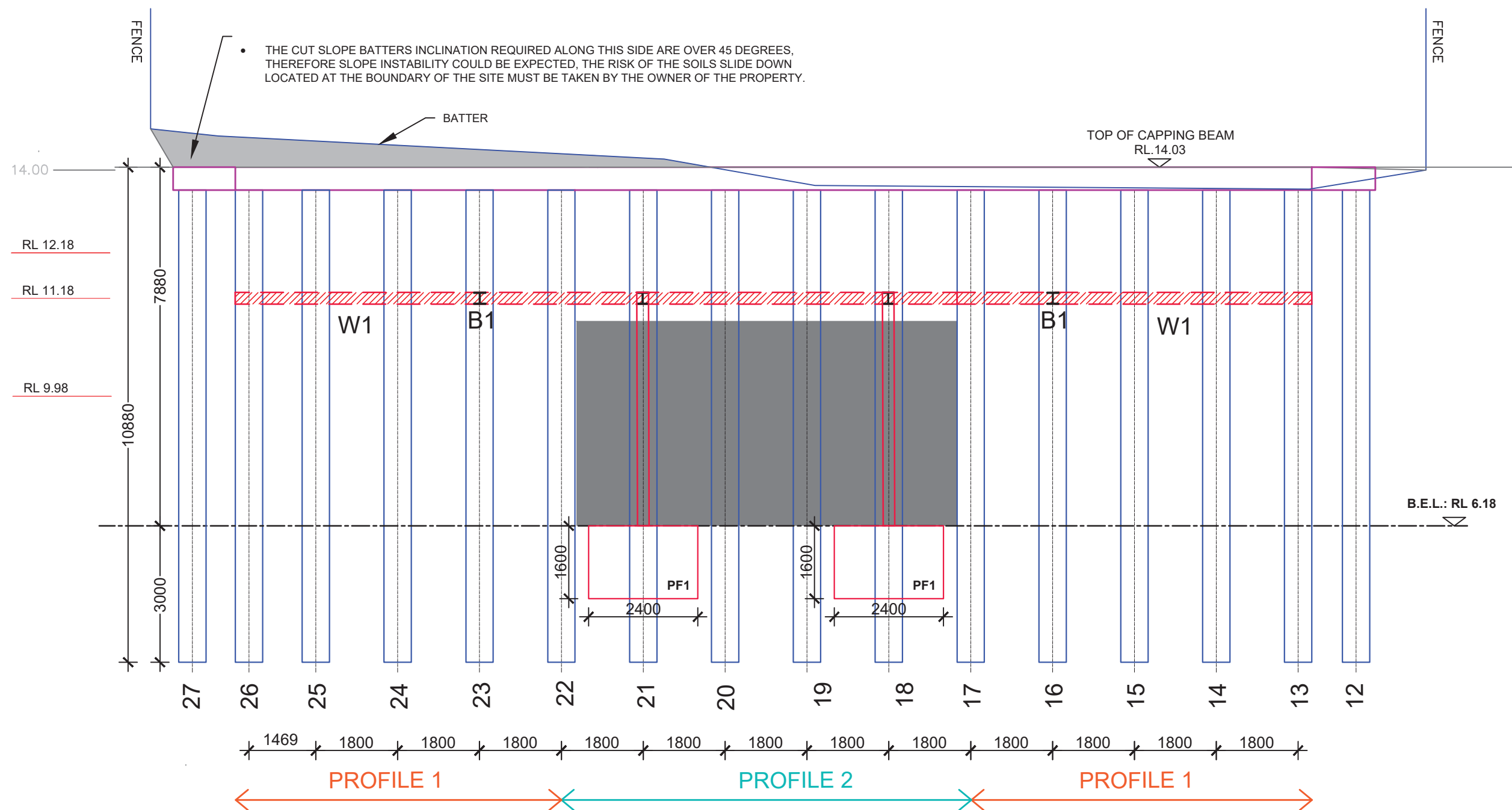
IAN WESTAWAY

TITLE:

PILING SHORING WALLS - ELEVATION E1
NEW RESIDENCE AT

1955 PITTWATER ROAD
BAYVIEW, NSW 2104

Revision	Date	DATE: 27/01/2021	DESIGNED BY: MJ
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2	27/01/2021		
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		PROJECT No: SRE/714/BV/20	Drawing No: S005



ELEVATION 2 - E2

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2A/32 Fisher Road, Dee Why, NSW 2099
M: 0457 115 044 | T: (02)8065 2922
Email: info@soilsrock.com.au
www.soilsrock.com.au

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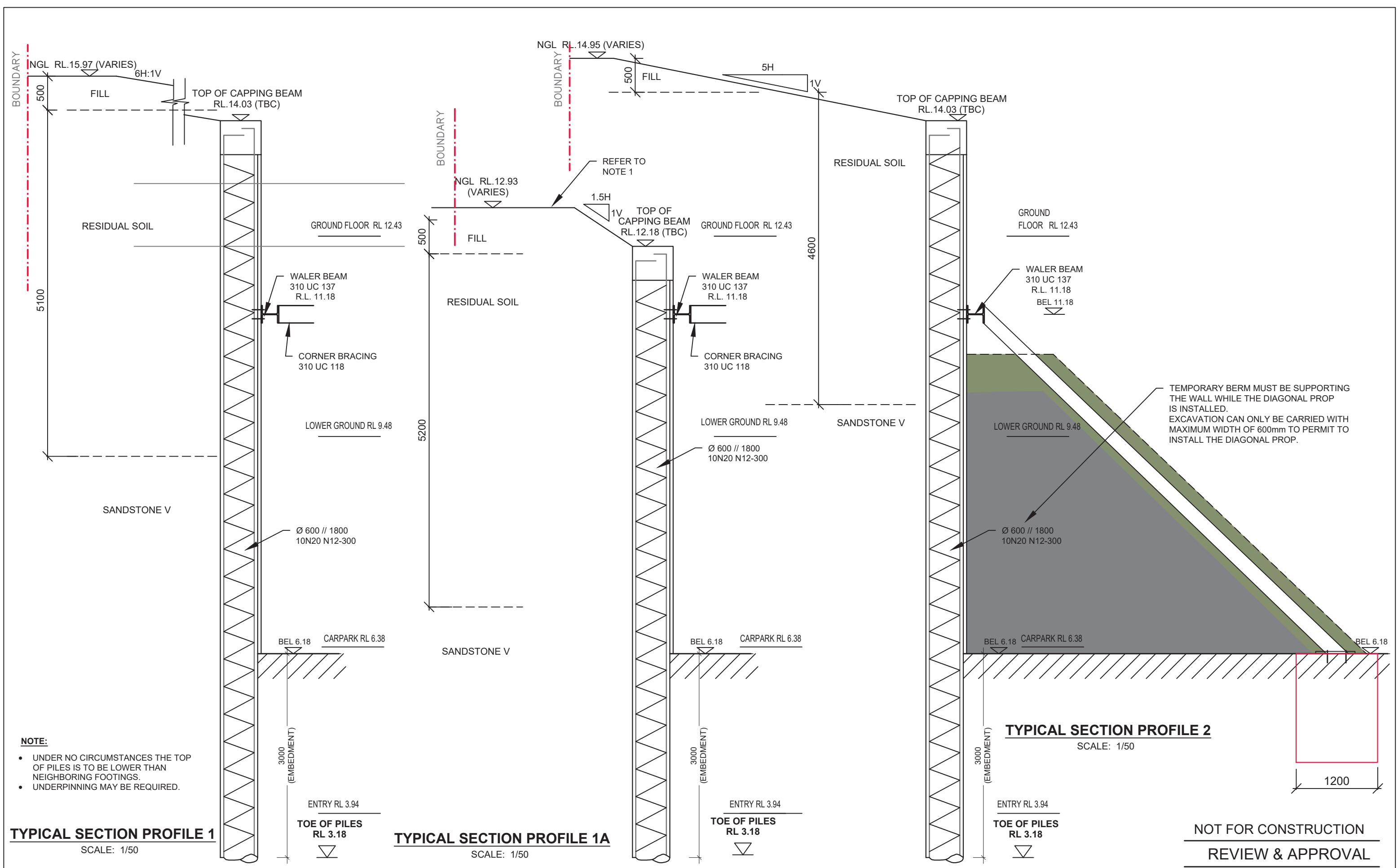
IAN WESTAWAY

TITLE:

PILING SHORING WALLS - ELEVATION E2
NEW RESIDENCE AT

1955 PITTWATER ROAD
BAYVIEW, NSW 2104

Revision	Date	DATE: 27/01/2021	DESIGNED BY: MJ
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		PROJECT No: SRE/714/BV/20	Drawing No: S006



 Soilsrock Engineering Pty. Ltd 24/32 Fishers Road, New South Wales 2099 15 04 17 11 50 23 06 5 29 22 Email: info@soilsrock.com.au www.soilsrock.com.au	CLIENT: IAN WESTAWAY	TITLE: PILING SHORING WALLS - TYPICAL SECTIONS PROFILES 1 / 1A & 2 NEW RESIDENCE AT 1955 PITTWATER ROAD BAYVIEW, NSW 2104	Revision	Date	DATE: 27/01/2021	DESIGNED BY: MJ
			1	15/12/2020		
			2	27/01/2021	SCALE: 1/100	CHECKED BY: JC
					PROJECT No: SRE/714/BV/20	Drawing No: S008

NEIGHBOUR BUILDING

BOUNDARY

NGL RL.11.53
(VARIES)

FILL

RESIDUAL SOIL

1H
1V

TOP OF CAPPING BEAM
RL.9.18 (TBC)

LOWER GROUND RL 9.48

TEMPORARY BERM MUST BE SUPPORTING
THE WALL WHILE THE DIAGONAL PROP
IS INSTALLED.
EXCAVATION CAN ONLY BE CARRIED WITH
MAXIMUM WIDTH OF 600mm TO PERMIT TO
INSTALL THE DIAGONAL PROP.

DIAGONAL PROP
250 UC 90

CARPARK RL 6.38

BEL 6.18

SANDSTONE V

Ø 600 // 1800
10N20 N12-300

TYPICAL SECTION PROFILE 3

SCALE: 1/50

NEIGHBOUR BUILDING

BOUNDARY

TOP OF CAPPING BEAM
(VARIES)

FILL

RESIDUAL SOIL

TOP OF CAPPING BEAM
RL.12.18 (TBC)

WALER BEAM
310 UC 137
R.L. 11.18

Ø 600 // 1800
10N20 N12-300

LOWER GROUND RL 9.48

TEMPORARY BERM MUST BE SUPPORTING
THE WALL WHILE THE DIAGONAL PROP
IS INSTALLED.
EXCAVATION CAN ONLY BE CARRIED WITH
MAXIMUM WIDTH OF 600mm TO PERMIT TO
INSTALL THE DIAGONAL PROP.

DIAGONAL PROP
250 UC 90

CARPARK RL 6.38

BEL 6.18

SANDSTONE V

Ø 600 // 1800
10N20 N12-300

TYPICAL SECTION PROFILE 3A

SCALE: 1/50

NOTE:

- UNDER NO CIRCUMSTANCES THE TOP OF PILES IS TO BE LOWER THAN NEIGHBORING FOOTINGS.
- UNDERPINNING MAY BE REQUIRED.

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Soilsrock Engineering Pty. Ltd
2A/32 Fisher Road, Dee Why, NSW 2099
M: 0457 115 044 | T: (02)8065 2922
Email: info@soilsrock.com.au
www.soilsrock.com.au

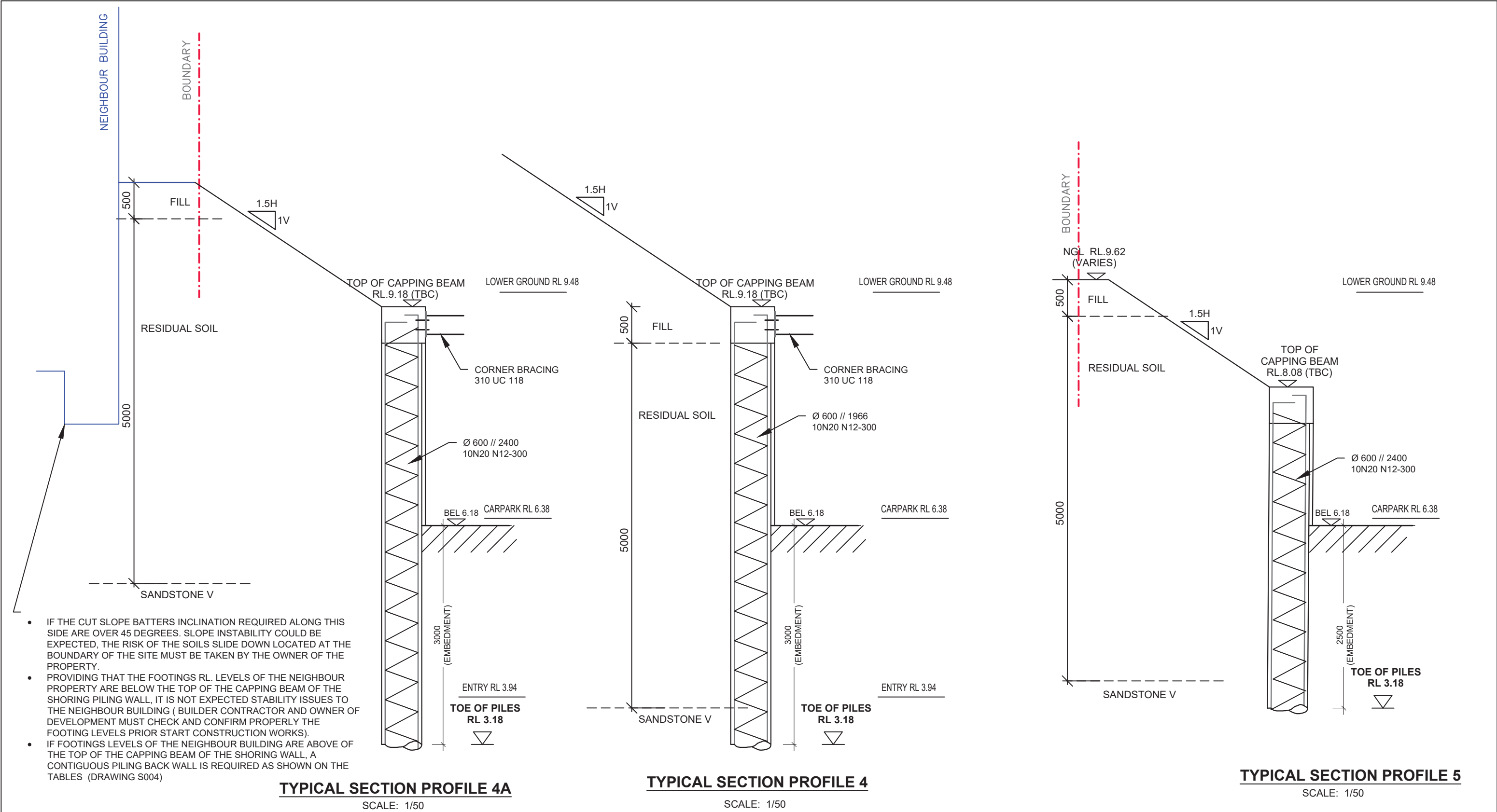
CLIENT:

IAN WESTAWAY

TITLE:
PILING SHORING WALLS - TYPICAL SECTIONS
PROFILES 3 & 3A
NEW RESIDENCE AT

1955 PITTWATER ROAD
BAYVIEW, NSW 2104

Revision	Date	DATE: 27/01/2021	DESIGNED BY: MJ
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Soilsrock Engineering Pty. Ltd 2A/32 Fisher Road, Dee Why, NSW 2099 M: 0457 115 044 T: (02)8065 2922 Email: info@soilsrock.com.au www.soilsrock.com.au	CLIENT: IAN WESTAWAY	TITLE: PILING SHORING WALLS - TYPICAL SECTIONS PROFILES 4 , 4A & 5 NEW RESIDENCE AT 1955 PITTWATER ROAD BAYVIEW, NSW 2104	Revision	Date	DATE: 27/01/2021	DESIGNED BY: MJ
			1	15/12/2020		
			2	27/01/2021	SCALE: 1/100	CHECKED BY: JC
					PROJECT No: SRE/714/BV/20	Drawing No: S010