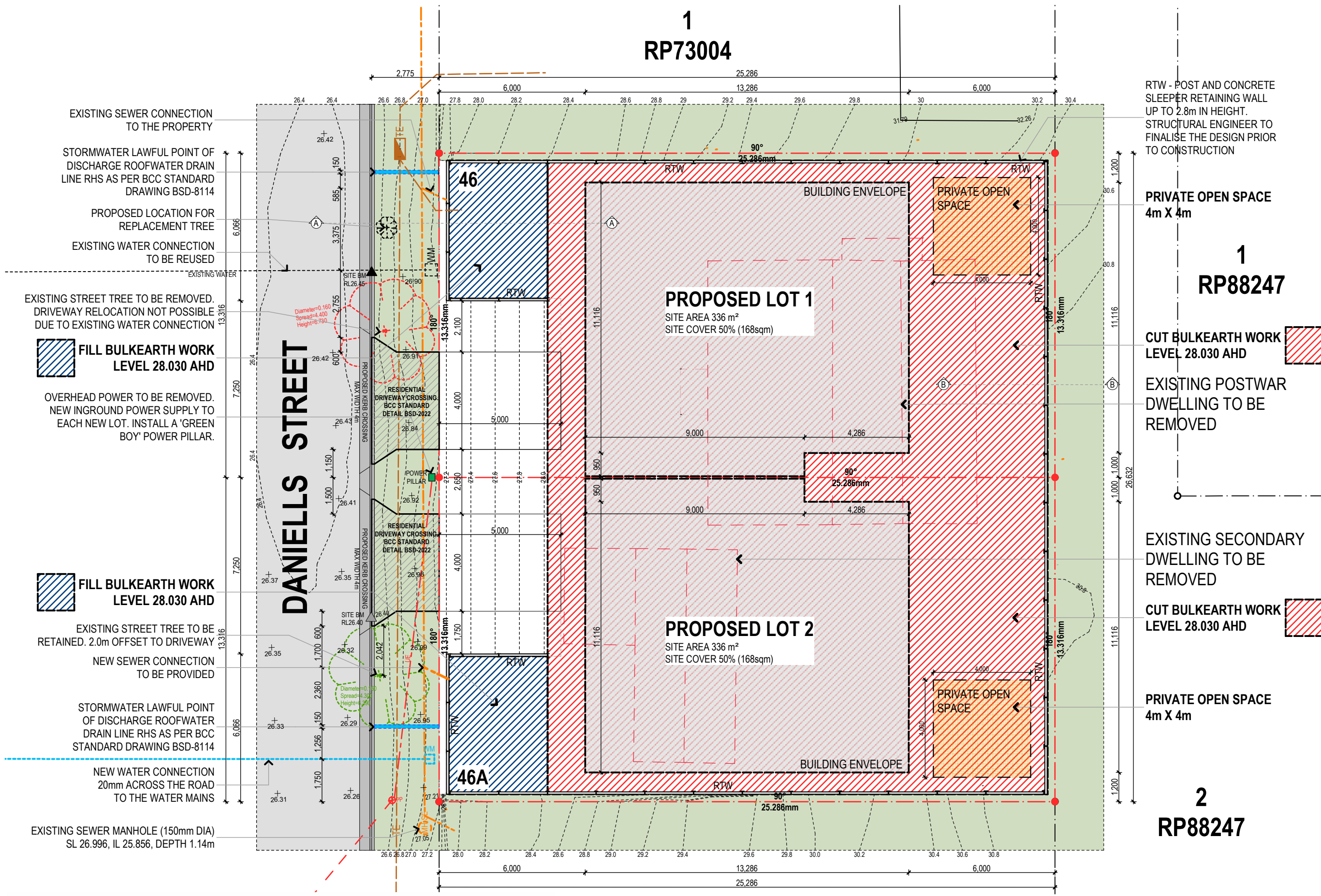


General Notes

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1
RP73004



RTW - POST AND CONCRETE SLEEPER RETAINING WALL UP TO 2.8m IN HEIGHT. STRUCTURAL ENGINEER TO FINALISE THE DESIGN PRIOR TO CONSTRUCTION

PRIVATE OPEN SPACE 4m X 4m

1
RP88247

CUT BULKEARTH WORK LEVEL 28.030 AHD

EXISTING POSTWAR DWELLING TO BE REMOVED

EXISTING SECONDARY DWELLING TO BE REMOVED

CUT BULKEARTH WORK LEVEL 28.030 AHD

PRIVATE OPEN SPACE 4m X 4m

2
RP88247

FILL BULKEARTH WORK LEVEL 28.030 AHD

FILL BULKEARTH WORK LEVEL 28.030 AHD

EXISTING STREET TREE TO BE RETAINED. 2.0m OFFSET TO DRIVEWAY

STORMWATER LAWFUL POINT OF DISCHARGE ROOFWATER DRAIN LINE RHS AS PER BCC STANDARD DRAWING BSD-8114

NEW WATER CONNECTION 20mm ACROSS THE ROAD TO THE WATER MAINS

EXISTING SEWER MANHOLE (150mm DIA) SL 26.996, IL 25.856, DEPTH 1.14m

BCC DS
RECEIVED
26-JUN-2026
APPLICATION REF
A007057874

29.04.2026 TOWN PLANNING APPLICATION B JME
6.04.2026 TOWN PLANNING APPLICATION A JME
Date No. Details Drawn
Joe Evans Design & Drafting
QBCC Licence - 1271463
Address: 40 Emperor Street
Annerley Q.4103
Phone: 0400 048 107
Email: joe@joeevansdrafting.com.au
Web: www.joeevansdrafting.com.au

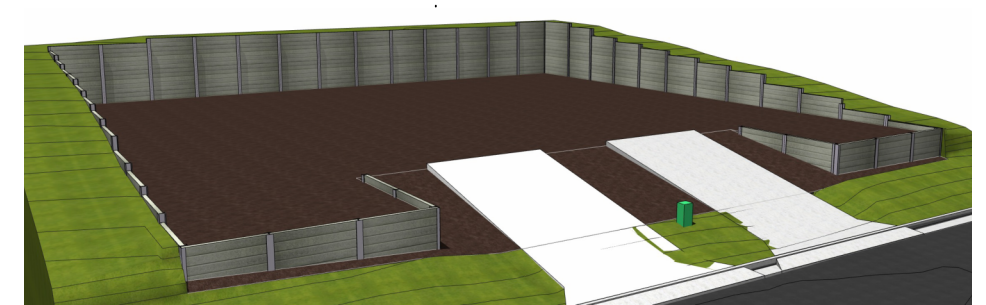
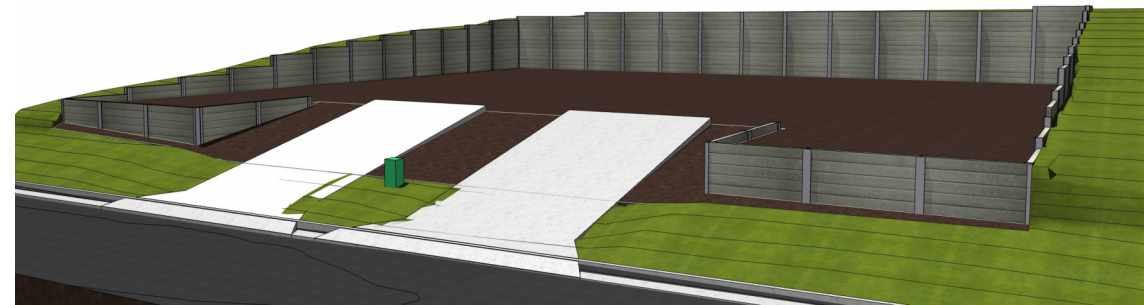


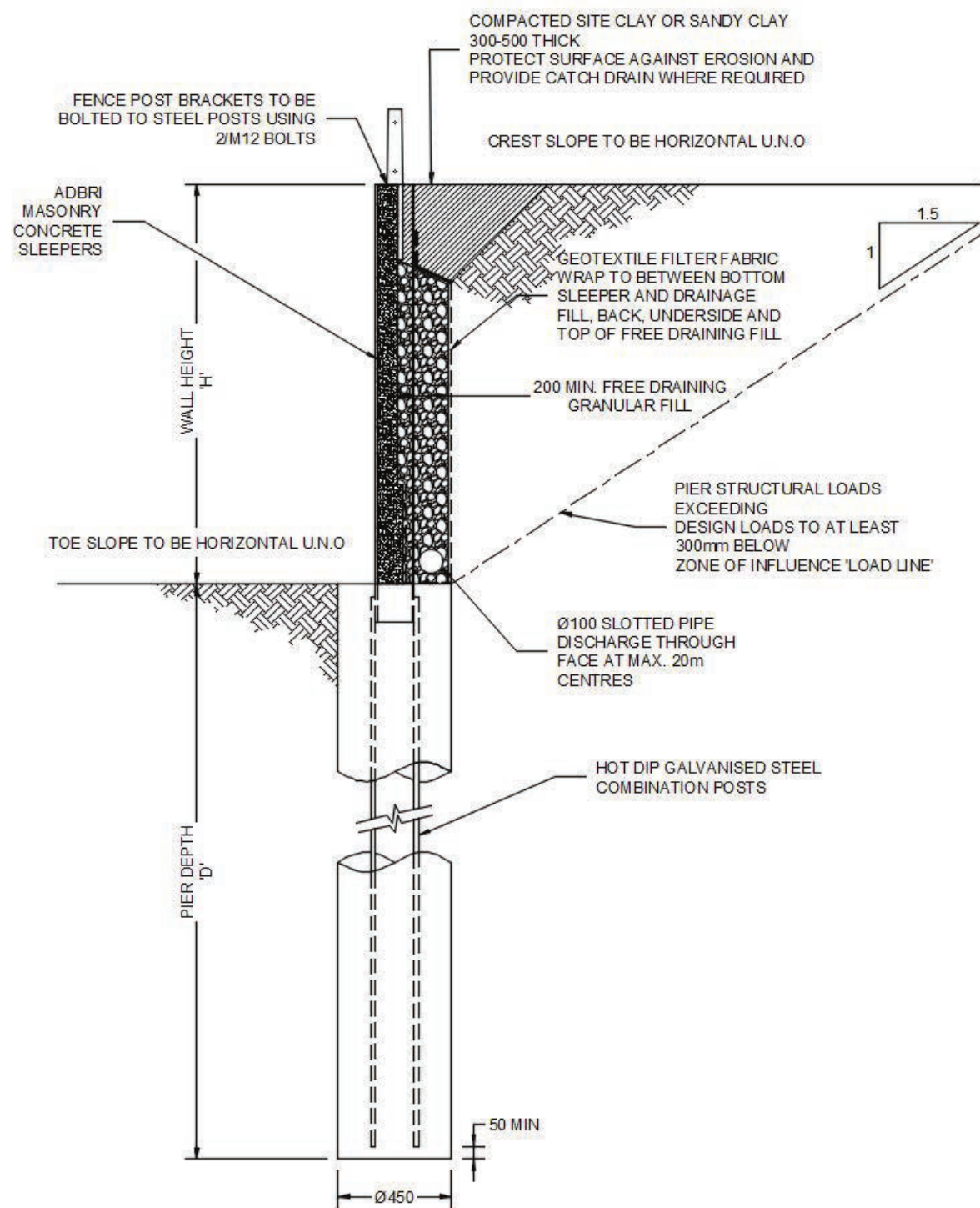
CLIENT
JOSEPH EVANS & MADELINE HOWARD
PROJECT
1 INTO 2 LOT SUBDIVISION
ADDRESS
46 DANIELLS STREET
CARINA
QLD 4152

DRAWING TITLE
Subdivision Plan

SCALE @ A3 1:150	DRAWN: JME	CHECKED: JME
PROJECT NUMBER 2602	DRAWING NUMBER TP.01	ISSUE B

3
RP73004





SINGLE TIERED CONCRETE SLEEPER RETAINING WALLS FOR WIND REGION C, $\phi = 30$ degrees (INDICATIVE CLAYEY SAND)

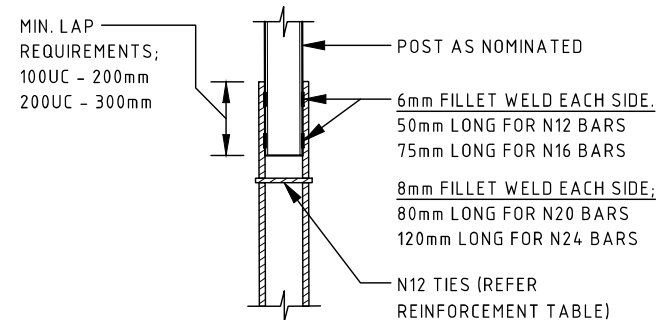
Design Loads:

Dead load, $g = \text{nil}$
 Live load, $q = 5\text{kPa}$
 Wind pressure to 1.8m high fence = 1.3kPa
 Pier diameter = 450mm

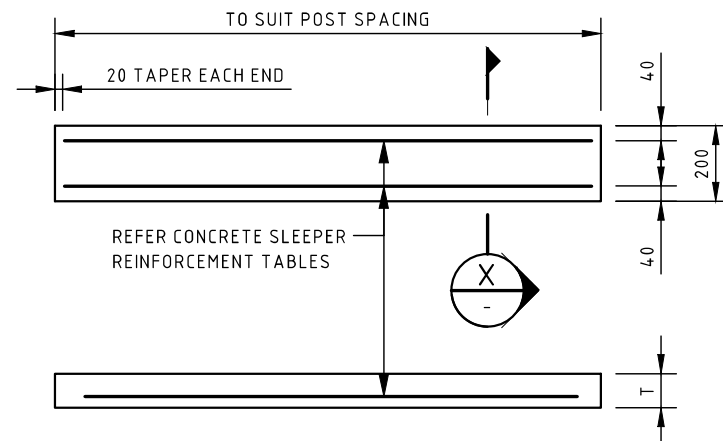
Soil Parameters

Characteristic retained internal friction angle, $\phi = 30$ degrees
 Retained soil density, $\gamma_i = 19\text{kN/m}^3$
 Characteristic foundation internal friction angle, $\phi = 30$ degrees
 Characteristic cohesion (for foundation), $c = 2\text{ kPa}$

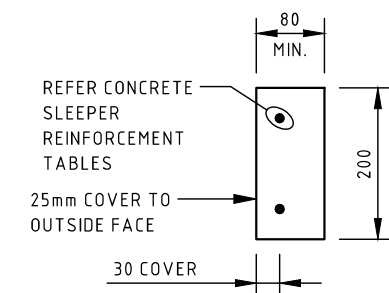
Design Height 'H' (mm)	Crest Slope (maximum)	2000 SLEEPER LENGTH			2400 SLEEPER LENGTH		
		Sleeper designation* (qty @ thickness in mm)	Steel Post Required	Pier Depth (mm)	Sleeper designation* (qty @ thickness in mm)	Steel Post Required	Pier Depth (mm)
400	1:4 max	2 @ 80	B-2000 [^] or 100 UC 14.8	1400	2 @ 80	B-2000 or 100 UC 14.8	1500
600	1:4 max	3 @ 80	B-2000 or 100 UC 14.8	1500	3 @ 80	B-2000 or 100 UC 14.8	1600
800	1:4 max	4 @ 80	B-2600 [^] or 100 UC 14.8	1600	4 @ 80	B-2600 or 100 UC 14.8	1800
1000	1:4 max	5 @ 80	B-2600 or 100 UC 14.8	1800	5 @ 80	B-2600 or 100 UC 14.8	1900
1200	1:4 max	top 5 @ 80, 1 @ 100 btm	C-3500 = [^] or 200 UB 18.2	2000	top 5 @ 80, 1 @ 100 btm	C-3500 = [^] or 200 UB 18.2	2100
1400	1:4 max	top 5 @ 80, 2 @ 100 btm	C-3500 = [^] or 200 UB 18.2	2200	top 5 @ 80, 2 @ 100 btm	C-3500 or 200 UB 18.2	2400
1600	1:4 max	top 5 @ 80, 3 @ 100 btm	C-3900 or 200 UB 18.2	2400	top 5 @ 80, 3 @ 100 btm	C-3900 or 200 UB 18.2	2600
1800	1:4 max	top 5 @ 80, 4 @ 100 btm	C-3900 or 200 UB 18.2	2600	top 5 @ 80, 4 @ 100 btm	C-4400 or 200 UB 18.2	2800
2000	1:4 max	top 5 @ 80, 5 @ 100 btm	C-4400 or 200 UB 18.2	2800	top 5 @ 80, 5 @ 100 btm	D-4900 or 200 UB 22.3	3100
2200	1:4 max	top 6 @ 80, 5 @ 100 btm	D-4900 or 200 UB 22.3	3000	top 5 @ 80, 5 @ 100, 1 @ 120 btm	D-5500 or 200 UB 22.3	3300
2400	1:4 max	top 6 @ 80, 6 @ 100 btm	D-5500 or 200 UB 22.3	3300	top 5 @ 80, 5 @ 100, 2 @ 120 btm	E-5900 or 250 UB 25.7	3500
2600	1:4 max	top 6 @ 80, 7 @ 100 btm	F-5900 or 250 UB 25.7	3500	top 5 @ 80, 5 @ 100, 3 @ 120 btm	E-5900 or 250 UB 31.4	3800
2800	1:4 max	top 6 @ 80, 8 @ 100 btm	E-5900 or 250 UB 31.4	3700	top 5 @ 80, 5 @ 100, 4 @ 120 btm	F-7000 [^] or 310 UB 32.0	3700 (600 dia)
3000	1:4 max	top 6 @ 80, 9 @ 100 btm	F-7000 [^] or 310 UB 32.0	3700 (600 dia)	top 5 @ 80, 5 @ 100, 5 @ 120 btm	F-7000 or 310 UB 40.4	3900 (600 dia)



POST TO REINFORCING BAR WELDING DETAIL
 SCALE 1:20



CONCRETE SLEEPER REINFORCEMENT DETAIL
 SCALE 1:20



SECTION X
 SCALE 1:10

TOWN PLANNING

General Notes

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8.06.2026 TOWN PLANNING APPLICATION A JME
 Date No. Details Drawn
Joe Evans Design & Drafting
 QBCC Licence - 1271463
 Address: 40 Emperor Street
 Annerley Q.4103
 Phone: 0400 048 107
 Email: joe@joeevansdrafting.com.au
 Web: www.joeevansdrafting.com.au

JOE EVANS
 DESIGN & DRAFTING

CLIENT
JOSEPH EVANS & MADELINE HOWARD
 PROJECT
1 INTO 2 LOT SUBDIVISION
 ADDRESS
**46 DANIELLS STREET
 CARINA
 QLD 4152**

DRAWING TITLE
Retaining Wall Details

SCALE @ A3 1:20 DRAWN: JME CHECKED: JME
 PROJECT NUMBER 2602 DRAWING NUMBER TP.02 ISSUE A