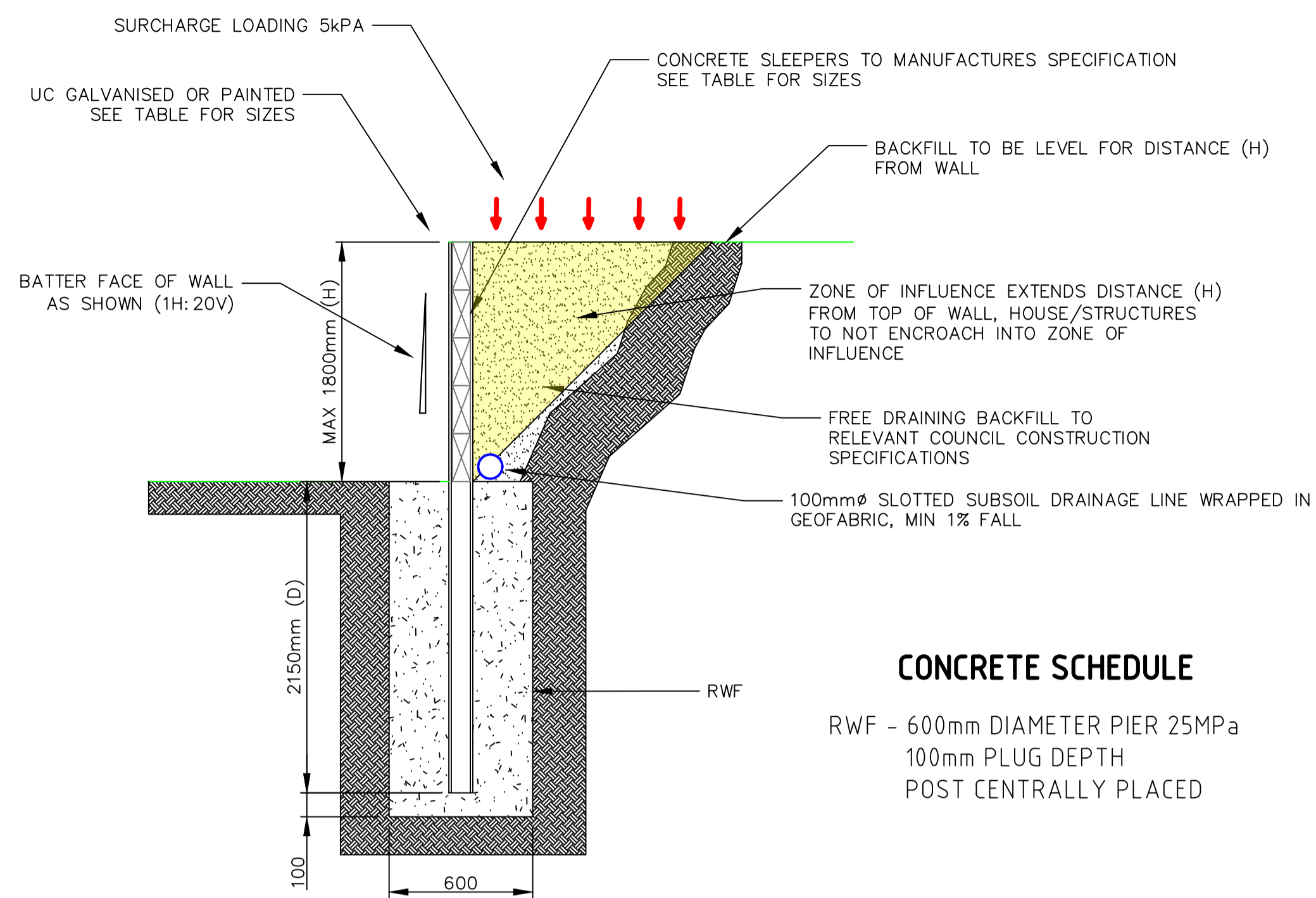


"AUSSIE SMOOTH CONCRETE PLANKS" - AUSSIE PRECAST PRODUCTS - - 2M AND 2.35M PLANKS -



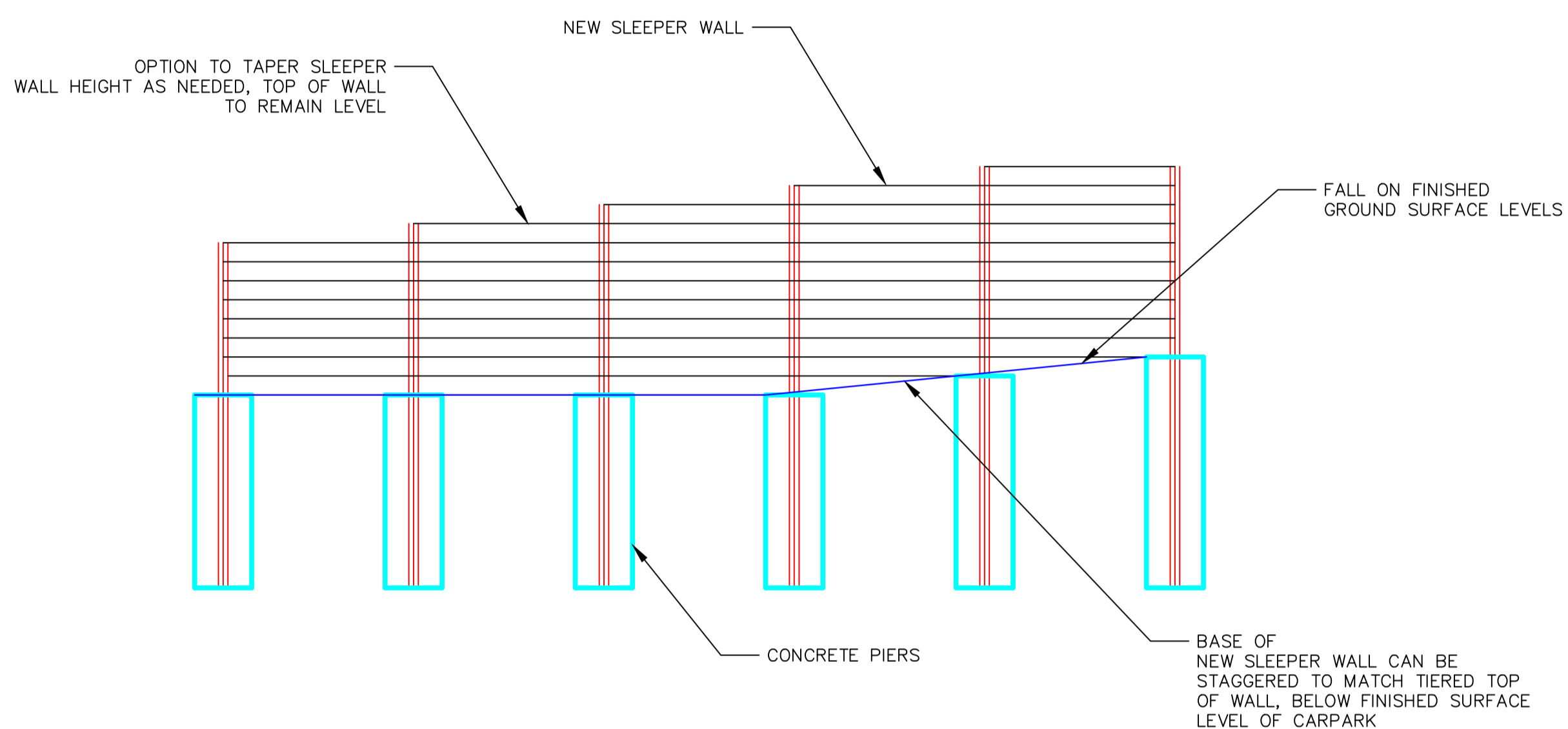
CONCRETE SCHEDULE

RWF - 600mm DIAMETER PIER 25MPa
 100mm PLUG DEPTH
 POST CENTRALLY PLACED

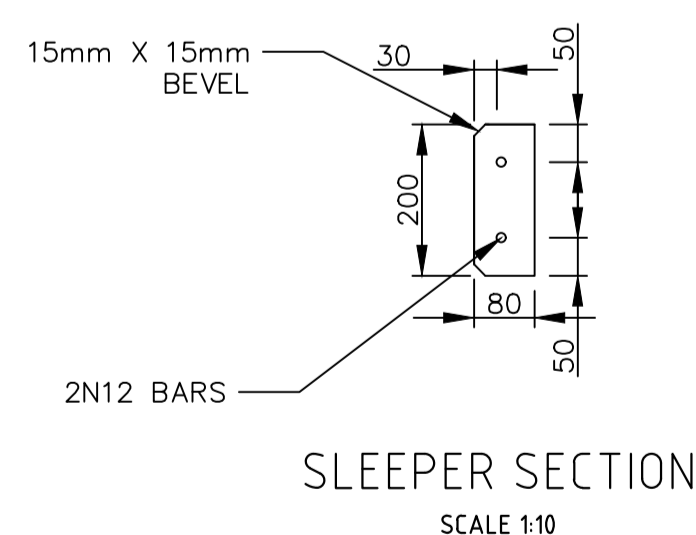
RETAINING WALL PIER DETAIL NTS

RETAINING WALL DETAILS (2000)				
H (m)	D (m)	200 X 80	POST SIZE	
0.2000	0.6000	200 X 80	100 UC 15	
0.4000	0.6000	200 X 80	100 UC 15	
0.6000	0.8000	200 X 80	100 UC 15	
0.8000	1.0000	200 X 80	100 UC 15	
1.0000	1.2000	200 X 80	100 UC 15	
1.2000	1.4500	200 X 80	100 UC 15	
1.4000	1.7000	200 X 80	100 UC 15	
1.6000	1.9000	200 X 80	150 UC 23	
1.8000	2.1500	200 X 80	150 UC 23	

RETAINING WALL DETAILS (2350)				
H (m)	D (m)	SLEEPER SIZE	POST SIZE	
0.2000	0.6000	200 X 80	100 UC 15	
0.4000	0.6000	200 X 80	100 UC 15	
0.6000	0.8000	200 X 80	100 UC 15	
0.8000	1.0000	200 X 80	100 UC 15	
1.0000	1.2000	200 X 80	100 UC 15	
1.2000	1.4500	200 X 80	100 UC 15	



RETAINING WALL TYPICAL ELEVATION VIEW NTS

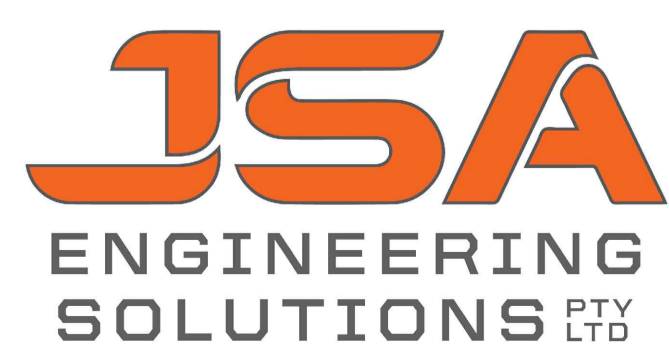


SLEEPER DETAILS

ASSUMED SOIL PROPERTIES	
SOIL DENSITY (kN/m ³)	18
INTERNAL FRICTION ANGLE	30 DEGREES
ALLOWABLE BEARING CAPACITY	200kPa
MAXIMUM SURCHARGE	5kPa

RETAINING WALL NOTES

- SLEEPER CONCRETE TO BE N50, RIGID FORMWORK AND REPETITIVE PROCEDURES AND COMPACTION IN ACCORDANCE WITH AS 3600.
- EXPOSURE CLASSIFICATION OF B2 PERMISSIBLE.
- HAND COMPACTION EQUIPMENT ONLY IS PERMITTED WITHIN 0.75H ADJACENT TO SLEEPERS.
- SLEEPERS ONLY TO BE USED WHEN NOT SUBJECT TO HEAVY SURCHARGE LOADING. 5kPa HAS BEEN ALLOWED FOR IN THE CALCULATIONS.
- THE WALL BACKFILL SHALL NOT EXCEED 1(VERTICAL):10(HORIZONTAL)
- SLEEPERS ARE TO BE DEFECT FREE AT THE TIME OF INSTALLATION.
- SLEEPER MINIMUM END BEARING OF SLEEPER TO BE 25MM AT EACH END
- DEPTH OF POST (D) TO CHANGE WITH HEIGHT (H) OF RETAINING WALL.
- DEPTH OF EACH PIER TO BE DETERMINED ONSITE TO THE CORRESPONDING WALL HEIGHT. IF THE PIER IS AT A HEIGHT CHANGE, DEPTH WILL BE CALCULATED BASED ON THE HIGHER SECTION OF WALL IT IS RETAINING.
- IF THE COLUMN IS AT A HEIGHT CHANGE, SIZE WILL BE DETERMINED BASED ON THE HIGHER SECTION OF WALL IT IS RETAINING.
- MUST HAVE MIN 100MM PLUG DEPTH UNDER DEPTH OF POST.
- DESIGN BASED ON ALLOWABLE BEARING CAPACITY OF 200 kPa. TO BE CONFIRMED BY CONTRACTOR ONSITE
- WALLS ARE NOT DESIGNED TO BE WATER PROOF, MOISTURE PENETRATION MAY OCCUR
- NO BUILDING OR STRUCTURE TO BE CONSTRUCTED WITHIN H +0.5m OF THE WALL UNLESS THEY ARE SUPPORTED ON PIERS FOUNDED AT THE LEVEL OF THE BOTTOM OF THE WALL



REV	DESCRIPTION	DATE
A	ISSUED FOR PRODUCTION	28/04/2026

SCALES	
PLAN	—————
LONGITUDINAL SECTION HORIZONTAL	—————
VERTICAL	—————
CROSS SECTION	—————

SURVEYED		DATUM	
DRAWN	JS	CLIENT	AUSSIE PRECAST PRODUCTS
DESIGN	JS		
CHECKED	JS		
DATE	28/04/2026		

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PROJECT			
AUSSIE SMOOTH CONCRETE PLANKS			
DESCRIPTION			
PRECAST SLEEPER DETAILS AND SPECIFICATION			
JOB NAME. 261-APP	PLAN No. 261	SHEET No. 1 OF 1	A1