

DATE PLOTTED: 17 February, 2014 - 4:02pm

CAD FILE: P:\8902_44_Miscellaneous\89024430_8_Berrima_Cr_UminaAeac\Civil\89024430-C001.Dwg
DESIGNER: 89024430 Civil & Survey

NO WORKS BEYOND BOUNDARY FOR EXISTING ACCESS

BERRIMA CRESCENT

RL 4.2 TOP OF WALL TO CH 8.86

RETURN BATTER WITHIN PROPERTY BOUNDARY

RL 3.4 TOP OF WALL TO CH 30

PROPOSED REVETMENT WALL

RL 2.6 TOP OF WALL TO CH 86.937

PLAN SCALE 1:250

OCEAN BEACH
BROKEN BAY

PROPOSED STAIRWAY TO BEACH LEVEL FOR PRIVATE ACCESS. STAIRWAY TREADS TO BE MAXIMUM 170mm HIGH. ROCKS TO BE SOURCED WITH SIMILAR DENSITY TO REMAINDER OF WALL.

LINE OF CREST PROTECTION
TAPER END OF CREST PROTECTION OVER 5m TO CH75.

EXISTING ROCK REVETMENT WALL

ETTALONG CREEK

CREEK

ENSURE PROPOSED WORKS INTERWEAVE WITH EXISTING OVER MINIMUM 2m LENGTH

SEAWARD CREST

PROPERTY BOUNDARY

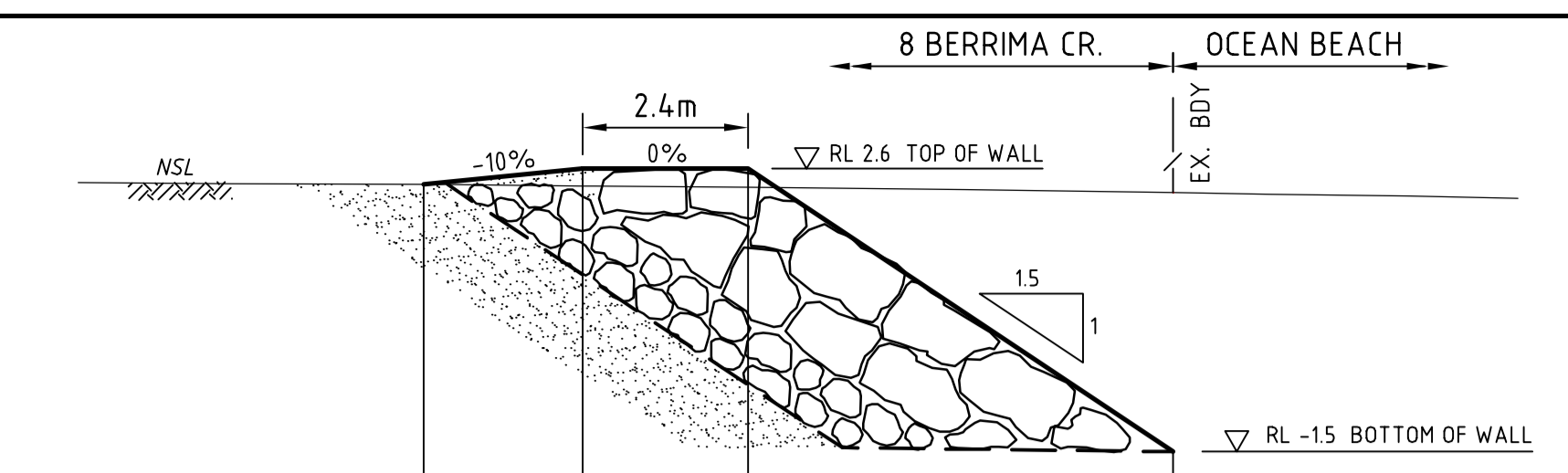
TOE OF WALL (BURIED)

ROCK ARMOUR DESIGN DETAILS

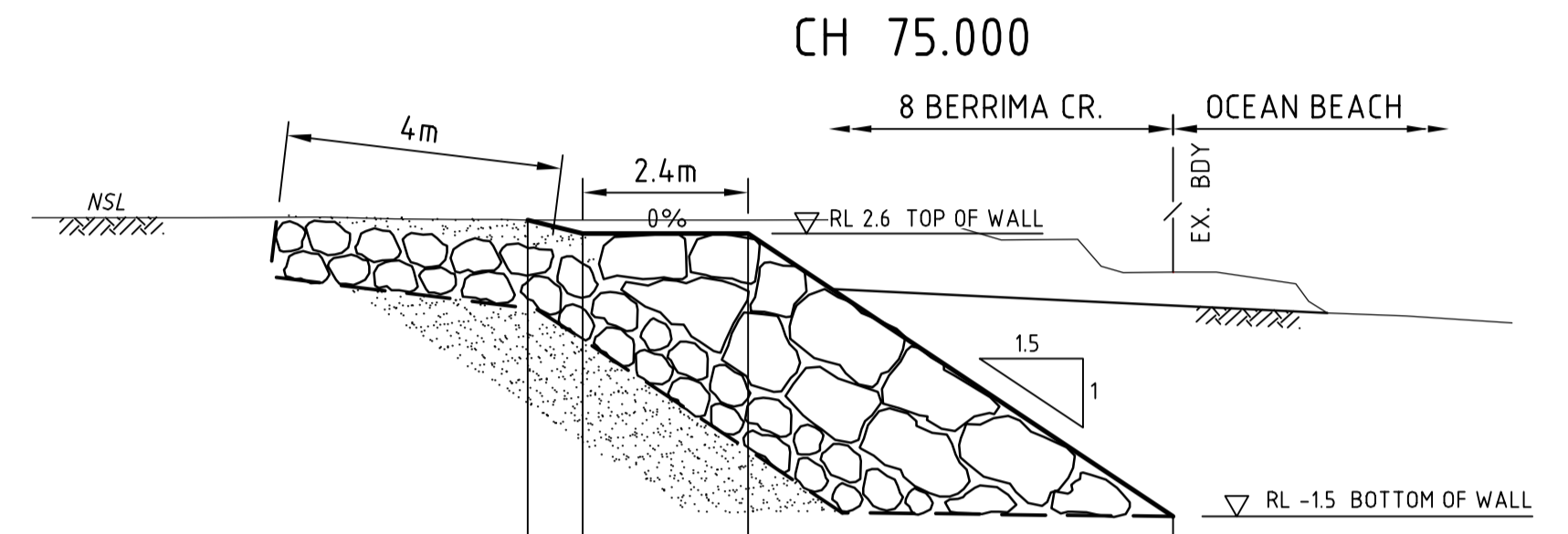
Basalt, SG = 2.6	Sandstone, SG = 2.3
Armour Stone (m, t)	Armour Stone (m, t)
D ₅₀ = 1.15, M ₅₀ = 4	D ₅₀ = 1.41, M ₅₀ = 6.5
D ₈₅ = 1.40, M ₈₅ = 7	D ₈₅ = 1.72, M ₈₅ = 11
D ₁₅ = 0.93, M ₁₅ = 2	D ₁₅ = 1.16, M ₁₅ = 3.5
Under Layer (m, kg)	Under Layer (m, kg)
D ₅₀ = 0.5, M ₅₀ = 350	D ₅₀ = 0.64, M ₅₀ = 600
D ₈₅ = 0.73, M ₈₅ = 1000	D ₈₅ = 0.90m, M ₈₅ = 170
D ₁₅ = 0.36, M ₁₅ = 150	D ₁₅ = 0.45, M ₁₅ = 250

ROCK WALL SPECIFICATION:

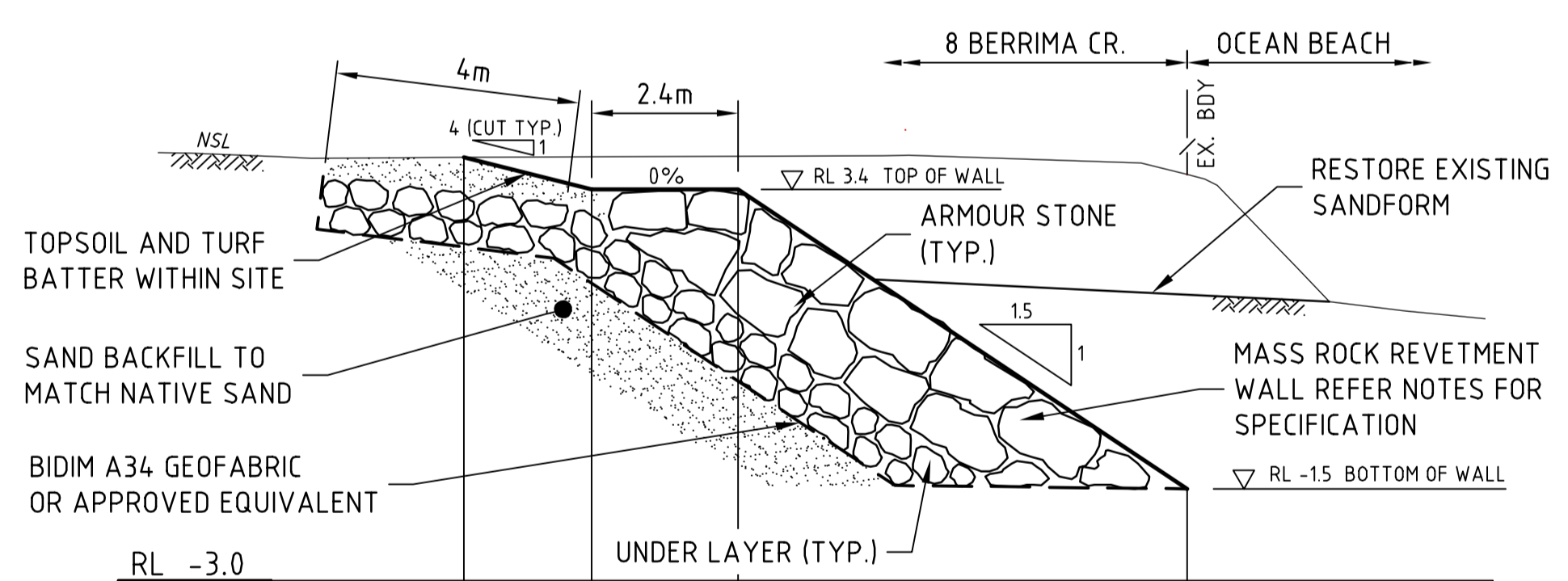
- ROCK ARMOUR SIZE AS PER TABLE.
- BACKFILL TO BE SIMILAR TO NATIVE SAND. OVERFILL WHERE EXISTING BEACH SCOUR FACE EXTENDS ONTO 8 BERRIMA CR. AND CUTBACK TO SUIT PROPOSED WALL GEOMETRY.
- CARE TO BE EXERCISED WHEN PLACING ROCKS TO ENSURE GEOFABRIC IS NOT DAMAGED.



DESIGN LEVELS	2.370	2.600	2.600	-1.500
EXISTING LEVELS	2.370	2.347	2.326	2.249
OFFSET	-2.302	0.000	2.400	8.550



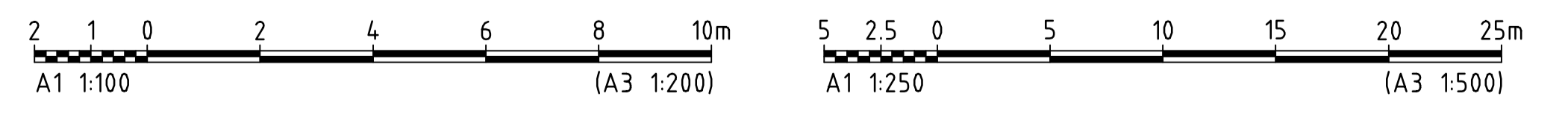
DESIGN LEVELS	2.798	2.600	2.600	-1.500
EXISTING LEVELS	2.798	2.795	2.797	2.039
OFFSET	-0.792	0.000	2.400	8.550



DESIGN LEVELS	3.923	3.400	3.400	-1.500
EXISTING LEVELS	3.923	3.933	3.944	3.643
OFFSET	-2.090	0.000	2.400	9.750

TYPICAL CROSS SECTION

CROSS SECTIONS SCALE 1:100



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3	17/02/16	ISSUED FOR APPROVAL	AJS	SJB
2	21/02/13	ISSUED FOR CLIENT REVIEW	AJS	SJB
1	16/05/12	PRELIMINARY	DSA	SJB
REV	DATE	REVISIONS	DRN	CHK

DESIGNED:	SJB	DATUM:	AHD	A1
DRAWN:	DSA	COORDINATE SYSTEM:		
CHECKED:	SJB	APPROVED:		
RECOMMENDED:		PROJECT MANAGER:	DATE:	PROJECT DIRECTOR:

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Mr PAUL McCLOSKEY
PROPOSED SUBDIVISION AT 8 BERRIMA CR., UMINA BEACH
PROPOSED REVETMENT WALL

DRAWING STATUS:	
NOT FOR CONSTRUCTION	
DRAWING NUMBER:	REV
89024430-C001	3