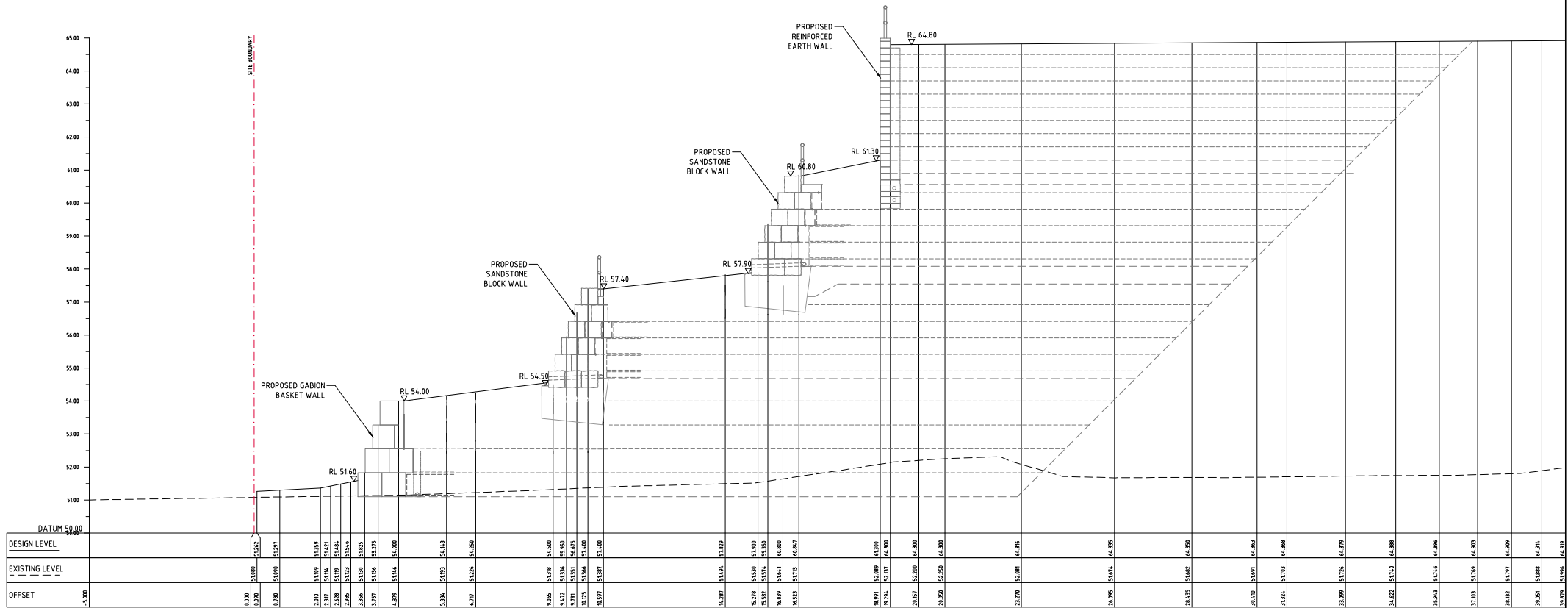


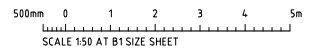
LEGEND:

—— DENOTES BULK EARTHWORKS PROFILE

- - - DENOTES EXISTING PROFILE



RETAINING WALL - LOT 1
CH 210.000



FOR INFORMATION

FOR INFORMATION	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
	8.11.22	A			

ARCHITECT	CLIENT

ESR

PROJECT: ESR WESTLINK ESTATE
290-308 ALDINGTON RD, 59-63 ABBOTTS RD & 1030-1064, MAMRE RD, KEMPS CREEK NSW 2178

DESIGNED: [] DRAWN: [] DATE: [] CHECKED: [] SCALE: [] DATE: [] AS SHOWN: []

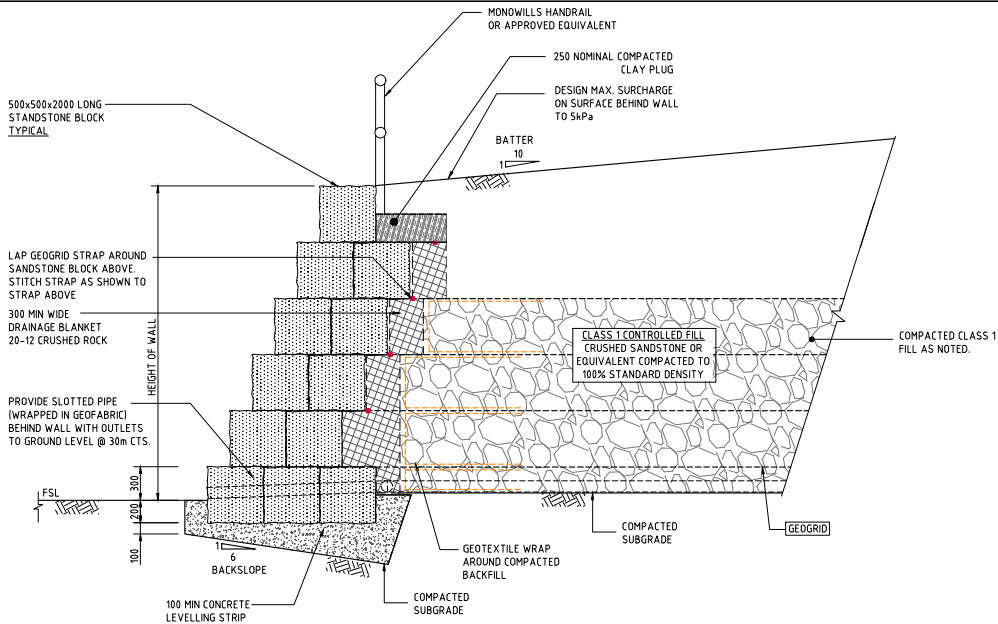
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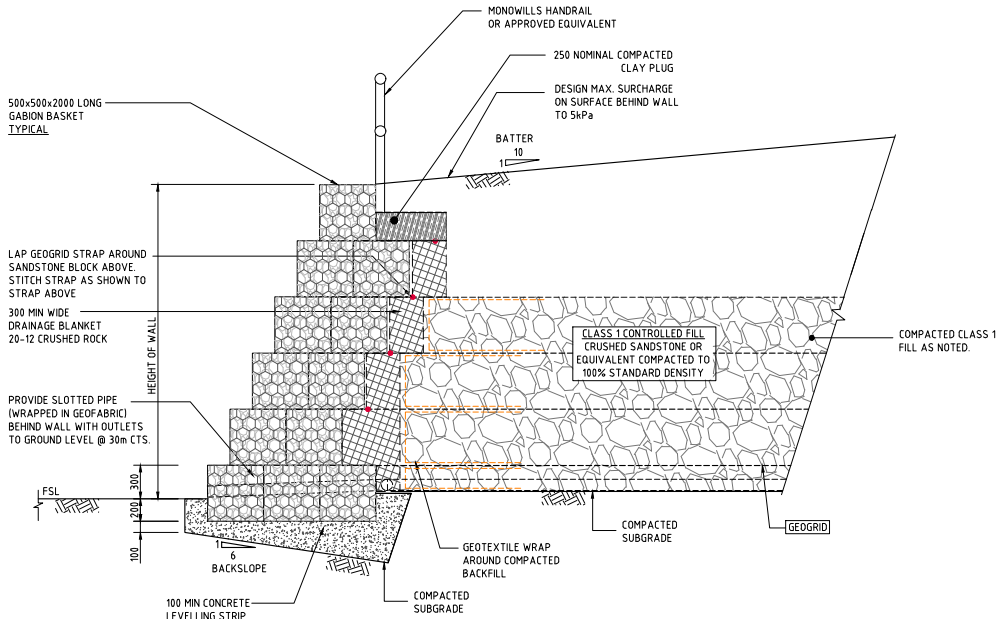
DRAWING TITLE: RETAINING WALL SECTIONS - LOT 1
SHEET 3

DRAWING NO: C013807.03-RW123

ISSUE: A



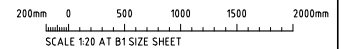
SANDSTONE WALL DETAIL
SCALE 1:20



GABION WALL
SCALE 1:20

NOTE:

- BASED ON 500x500x2000 LONG STANDARD CUT SANDSTONE BLOCKS LAID IN INTERLOCKING BRICK PATTERN
- STEP EACH SUCCESSIVE COURSES 200mm BACK
 - MINIMUM BEARING CAPACITY OF FOUNDATION TO BE 100kPa ASSUMING THE FOLLOWING:
 - CLAY FOUNDATION $C_u=50kPa, \phi=0$
 - SLIDING STABILITY IS BASED ON THE FOLLOWING:
 - FRICITION ANGLE OF BOULDER WALL: NOT LESS THAN 40°
 - EFFECTIVE FRICTION ANGLE OF SOIL SUBGRADE: NOT LESS THAN 30° FOR SOIL OR 35° FOR ROCK
 - SOIL AND ROCK DESIGN PARAMETERS SHALL BE CONFIRMED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF BOULDERS OR CONCRETE BED.
 - DENSITY OF INDIVIDUAL BOULDERS SHALL BE MINIMUM 2.5 TONNES/m³
 - NO STRUCTURE TO BE BUILT WITHIN H1 FROM THE BACK OF THE TOP OF THE WALL (WHERE H1=HEIGHT OF WALL), UNLESS THE STRUCTURE IS FOUND ON ROCK WITH $SBV > 150kPa$
 - CONSTRUCTION METHODS AND SEQUENCE TO ENSURE THAT DESIGN MAX. SURCHARGE OF 5kPa IS NOT EXCEEDED.
 - CONSTRUCTION TO BE IN ACCORDANCE WITH AS 4678:2002



FOR INFORMATION

ISSUED FOR INFORMATION	18.11.22	A	AMENDMENTS	DATE	ISSUE

ARCHITECT	CLIENT

PROJECT
ESR
290-308 ALDINGTON RD, 59-63 ABBOTTS RD
& 1030-1064, MAMRE RD, KEMPS CREEK NSW 2178

DESIGNED	DRAWN	DATE	CHECKED	SCALE	CAC REF.
DS	PB	02.11.22	DS	B1	AS SHOWN

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DRAWING TITLE	DRAWING NO.	ISSUE
RETAINING WALL DETAILS SHEET 2	C013807.03-RW151	A