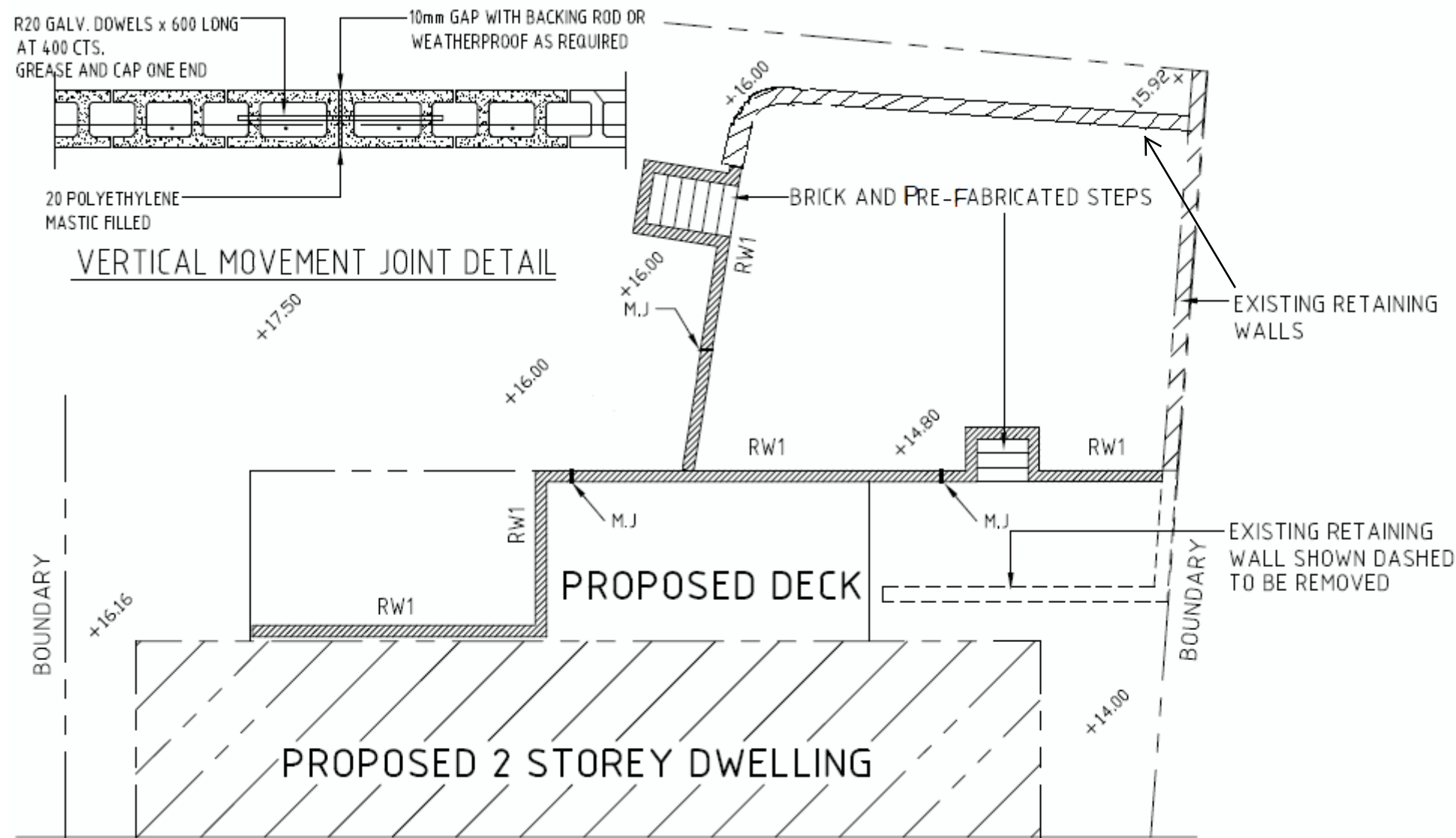
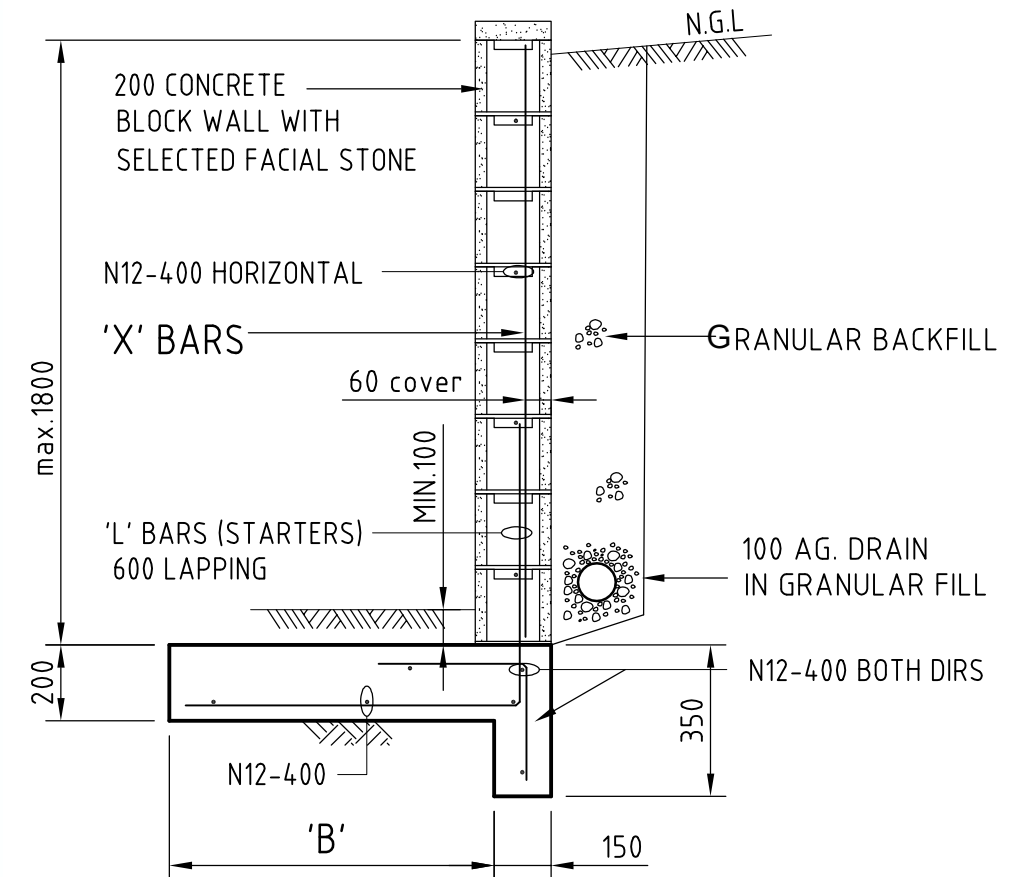




RETAINING WALL RW1 LAYOUT
SCALE 1:100

RETAINING WALL RW1 SCHEDULE			
HEIGHT 'H'	BASE 'B'	'X' BARS	'L' BARS
800 - 1400	800	N12-400	N12-400
1400 - 1800	1200	N16-400	N16-400



RETAINING WALL - RW1
SCALE 1:20

CONSTRUCTION NOTES

GENERAL

- G1 These drawings shall be read in conjunction with all architectural drawings
- G2 Dimensions shall not be obtained by scaling the structural drawings.
- G3 Setting out dimensions shown on the drawings shall be verified by the builder.
- G4 Refer to architectural drawings for brick and block wall thickness where not mentioned on these drawings, and for falls in slabs, waterproofing membranes and all architectural features such as drip grooves, fillets etc.
- G5 The engineer is to be notified when rock is encountered.

FOUNDATIONS

- F1 Excavation shall be taken into uniform virgin strata, the allowable bearing pressure on this material is assumed to be **HARD CLAY OR SHALE**
- F2 Excavation shall not be made below the level of any existing adjacent footings
- F3 Footings shall be placed centrally under walls and columns, unless noted otherwise.
- F4 All excavations shall be finished clean and horizontal.
- F5 The Builder shall obtain approval of the foundation material before placing concrete.
- F6 All filling work shall comply with AS2870.

CONCRETE

- C1 All reinforcing bars to be in accordance with AS 1302 steel reinforcing bars for concrete.
- C2 All fabric to be in accordance with AS 1304 hard drawn steel wire reinforcing fabric for concrete.
- C3 All concrete work to be in accordance with AS 3600 concrete structures code.
- C4 Minimum 28 day strength of concrete :

Element	F'c (MPa) - AS3600	Slump (mm)
FOOTINGS	25	80
- C5 Concrete cover to reinforcement:

	Unprotected	Membrane Protected
Footings	40	

REINFORCEMENT

- R1 Reinforcing lengths are not to be scaled from drawings.
- R2 Minimum laps for reinforcing bars shall be as follow: --

BAR LAPPING SCHEDULE				
BAR SIZE	12	16		
LAP LENGTH	400	600		

BLOCKWORK

- B1 Blocks shall have a minimum compressive strength of 15 MPa.
- B2 Grout shall achieve a minimum compressive strength f'c=25MPa at 28 days with 230 mm slump mix which will flow freely without segregation.
- B3 All grouted walls shall be vibrated and/or rodded to ensure completed filling and compacting of grout in all cores.

	CLIENT						DESIGNED BOB FENG B.E. M.Eng.S. M.I.E.Aust.		PROJECT AT: PROPOSED RETAINING WALLS at: No.10 PARUNA PLACE, CROMER				FENG Consulting Engineers - Civil and Structural Engineering Suite 212, Level 2 Mobile: 0414 683288 No.4-10 Goulburn Street Fax: (02) 9264 3352 Sydney 2000 Email: shine.eng@bigpond.com A.B.N. 15 100 744 376			
				APPROVED			SCALE	DRAWING TITLE								
							DATE	RETAINING WALL RW1 PLAN AND DETAILS								
							OCT 19									
							DRAWN									
	A	01.11.19	ISSUE FOR CC AND COUNCIL APPROVAL					DRAWING No.		ISSUE	AMEN'T					
	No.	Date	Amendment/Issue					19874 - S01		A	-					