



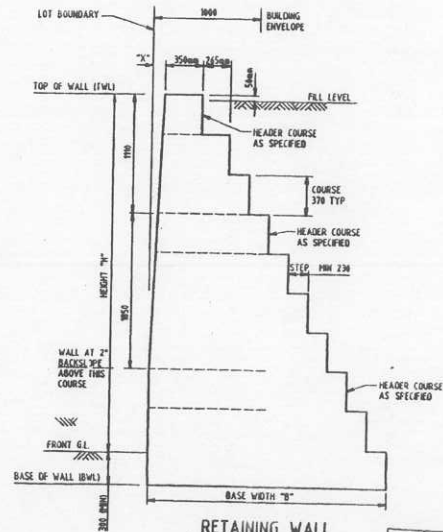
50 0 50 100 Meters



REV.	DESCRIPTION	DRN	VERD	APPROVED
A	ORIGINAL ISSUE	DIT	CD	CD 27/8/01
B	RETAINING WALLS AMENDED		CD	CD 15/10/01
C	STAIRWAYS ELEVATION AMENDED	PLB	CD	CD 16/11/02

NOTE:

- ALL WALLS SHALL BE CONSTRUCTED FROM QUARRY CUT LIMESTONE BLOCKS USING TONGSTER TIPPED SAW OR SIMILAR. RECONSTITUTED BLOCKS MAY BE USED IN HIGH FLOOD LOCATIONS.
- ALL LIMESTONE BLOCKS TO BE FULLY JOINED WITH 20mm THICK MORTAR (MINIMUM 1:1.4 CEMENT: LIME: SAND RATIO).
- MORTAR JOINT FINISH TO BE WIRE BAKED.
- MORTAR COLOUR TO MATCH LIMESTONE.
- LIMESTONE BLOCKS SHALL HAVE A MINIMUM DRY DENSITY OF 1.5 t/m³.
- ALL WALL FOUNDATIONS TO BE COMPACTED TO 95% MAX DRY DENSITY.
- COMPACT SAND BACKFILL TO WALLS IN LAYERS TO NOT LESS THAN 15% RHOD TO AS 1289 E 2.1.
- CONTRACTOR SHALL TAKE CARE WHEN BACKFILLING TO PREVENT DAMAGE TO WALL, WITHIN SEVEN DAYS AFTER CONSTRUCTION ENVELOPE.
- 1.0m FROM RETAINING WALL BOUNDARY.
- DESIGN LOADS ARE 15kPa FOR SIDE & REAR BOUNDARIES.
- NO EXTRA FILLING ABOVE WALL HEIGHT.
- FOR WALL ELEVATIONS REFER TO WALL LONGSECTIONS.
- LIMESTONE RETAINING WALLS HAVE BEEN DESIGNED TO ALLOW FOR A TWO STOREY BRICK HOUSE TO BE CONSTRUCTED ON THE LOT BOUNDARY.



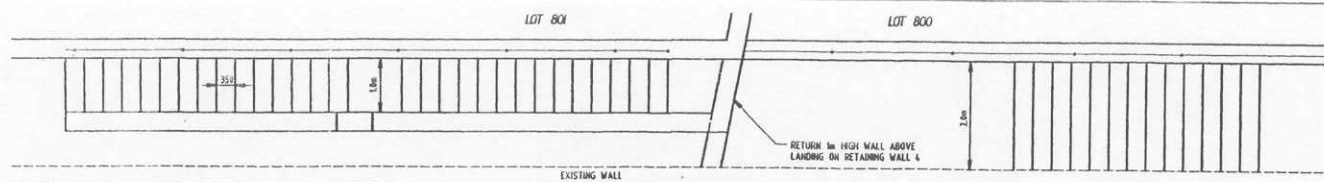
RETAINING WALL STANDARD SECTION
SCALE 1:25
UNLESS OTHERWISE SHOWN

H	B
130	830
150	1070
170	1310
190	1540
210	1760
230	1980
250	2200
270	2420
290	2640
310	2860
330	3080
350	3300
370	3520
390	3740
410	3960
430	4180

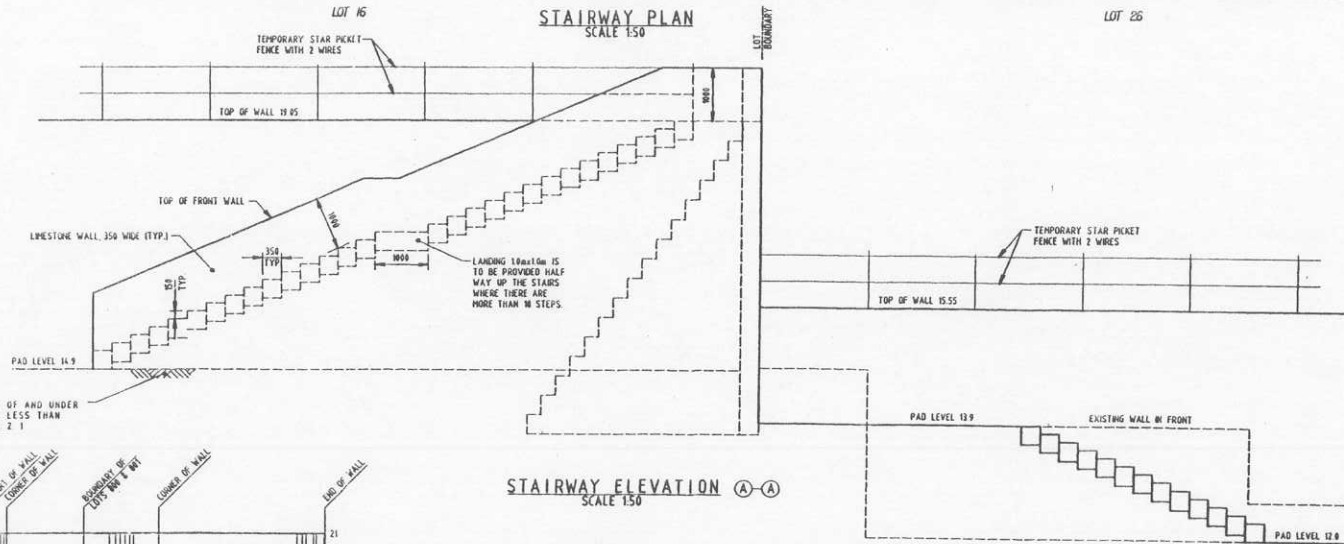
Will Needling
TMS Aust CEng
Chartered Engineering Technologist
Membership No. 2051086

16/08/2002

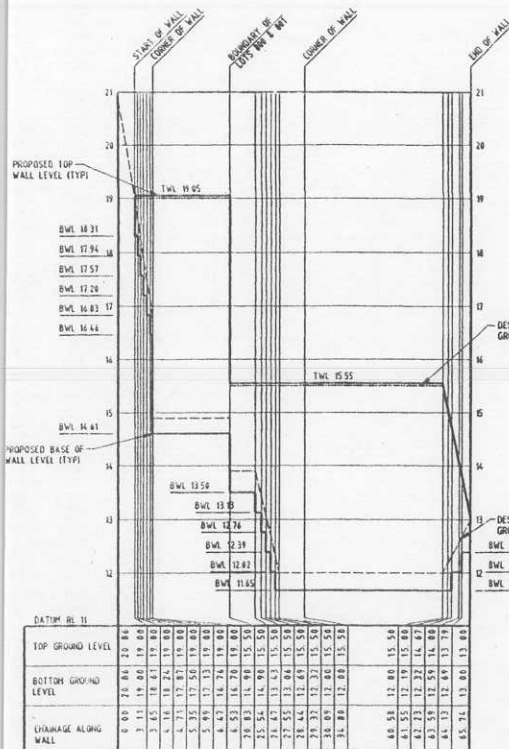
WJ		Wood & Grievs P.O. Box 104 Wood & Grievs Pty Ltd A.C.N. 009 994 709 Wood & Grievs, 80, Wood Park Woolahra, New South Wales 2539 Telephone: 08 8211 2221 e-mail: wj@wagga.com.au	
CLIENT: HEATH DEVELOPMENT			
PROJECT: LOT 12, HOCKING PARADE, SORRENTO			
TITLE: RETAINING WALL DETAILS			
DESIGNED: COUCASSE	VERIFIED: C. P. 22/1/02	DATE: 16/8/02	BY: A. H. D.
DRAWN: D. FITCHLEY	APPROVED FOR ISSUE: C. P. 22/1/02	DRAWING NO: 16078C/E2	REV: C
APPROVED FOR CONSTRUCTION: C. P. 22/1/02			



STAIRWAY PLAN
SCALE 1:50



STAIRWAY ELEVATION (A-A)
SCALE 1:50



RETAINING WALL LONGSECTION 1 (RET 1)
SCALE 1:500 H
1:50 V

RETAINING WALL LONGSECTION 4 (RET 4)
SCALE 1:500 H
1:50 V

RETAINING WALL LONGSECTION 2 (RET 2)
SCALE 1:500 H
1:50 V

RETAINING WALL LONGSECTION 3 (RET 3)
SCALE 1:500 H
1:50 V

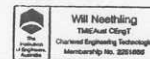
REV.	DESCRIPTION	DRN	VER'D	APPROVED
A	ORIGINAL ISSUE			
B	PAD LEVELS REVISED & POWER AMENDMENTS	DTF	CB	CB 22/4/81
C	STAIRWAYS AMENDED		CB	CB 15/6/81
		HA		20/1/82

NOTES

1. GENERAL
- 1.1 LEVELS ARE REDUCED FROM A.R.B.D.
- 1.2 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING 16474/23 AND THE SPECIFICATION.
- 1.3 DESIGN LEVELS SHOWN SHALL BE ON THE FINISHED SURFACE INCLUDING TOPSOIL.
2. TOPSOIL
- 2.1 THE CONTRACTOR SHALL CLEAR ALL VEGETATION FROM THE EARTHWORKS AREA AND REMOVE TOPSOIL TO A STOCKPILE.
- 2.2 FOLLOWING THE COMPLETION OF EARTHWORKS THE CONTRACTOR SHALL RESPADE TOPSOIL OVER THE LOTS AND ROAD RESERVE AREA'S TO A MAXIMUM DEPTH OF 150mm.
- 2.3 THE CONTRACTOR SHALL FILL & COMPACT TO DESIGN LEVELS SHOWN.
3. EARTHWORKS
- 3.1 THE CONTRACTOR SHALL LIMIT THE MOVEMENT OF EQUIPMENT AND HANDWORK TO THE MINIMUM AREA NECESSARY.
- 3.2 THE CONTRACTOR SHALL CUT AND FILL THE SITE AS SPECIFIED.
4. DUST CONTROL
- 4.1 THE CONTRACTOR SHALL ADOPT DUST CONTROL MEASURES AS SPECIFIED.
5. STABILISATION
- 5.1 THE COMPLETED SURFACE SHALL BE STABILISED BY SEEDED HYDROMULCH.
6. TEMPORARY FENCE
- 6.1 A TEMPORARY STAFF PICKET FENCE WITH 2 WIRES IS TO BE INSTALLED ON ALL RETAINING WALLS IN THIS CONTRACT.

LEGEND

- 734 — EXISTING CONTOURS
- ~~82.9~~ DESIGN FINISHED SURFACE CONTOURS
- PAD RL 22.8** PROPOSED LOT FINISHED PAD LEVEL
- ===== EXISTING RETAINING WALL
- ===== PROPOSED RETAINING WALL
- (S) START OF RETAINING WALL LONGITUDINAL SECTION
- (E) END OF RETAINING WALL LONGITUDINAL SECTION



14/08/02



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CLIENT: HEATH DEVELOPMENT		DATE: 11/11/92		BY: GMB	
PROJECT: LOT 12, HOCKING PARADE, SORRENTO					
TITLE: EARTHWORKS AND RETAINING WALLS PLAN					
DESIGNED: C. DUCKS	VERIFIED: C. P. W. 11/11/92	WASH. NO. 11/11/92	DATE: 11/11/92	A. H. R.	
DRAWN: D. HARTLEY	APPROVED FOR TENDR: C. DUCKS 11/11/92	DRAWING NO. 16078C/E1		REV. 1	
APPROVED FOR CONSTRUCTION: C. DUCKS 11/11/92					