PROPOSED RESIDENTIAL SUBDIVISION

412 CESSNOCK ROAD, GILLIESTON HEIGHTS (LOTS 21 & 22 DP 1092105)

CONCEPT CIVIL ENGINEERING FOR DA

CLIENT: EXP CAPITAL AUSTRALIA PTY LTD

CONSENT AUTHORITY: MAITLAND CITY COUNCIL

DATE: MARCH 2025

DRAWING SCHEDULE PROJECT No. 21445C

DWG No.	SHEET TITLE	REV
C100	COVER SHEET	4
C101	GENERAL ARRANGEMENT PLAN	4
C102	PLAN SHEET 1 OF 2	4
C103	PLAN SHEET 2 OF 2	4
C104	BROAD STREET LONGITUDINAL SECTION	4
C105	BROAD STREET CROSS SECTION 1 OF 4	4
C106	BROAD STREET CROSS SECTION 2 OF 4	4
C107	BROAD STREET CROSS SECTION 3 OF 4	4
C108	BROAD STREET CROSS SECTION 4 OF 4	4
C109	TYPICAL SECTIONS AND NOTES	4
C110	SITE CROSS SECTIONS	4
C111	REGRADE PLAN	4
C112	CUT/FILL RELIEF PLAN	4
C113	EROSION AND SEDIMENTATION CONTROL PLAN	4
C114	EXAMPLE DRIVEWAY PROFILES LOT 31, 33, 34 & 35	4

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

LOCALITY PLAN

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	NOT ISSUED			
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	KS	AS	17.06.22

North

Scale
0 20 40 60 80m
1:1000 (A1) 1:2000 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C101 r4
Scale: 1:1000
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
GENERAL ARRANGEMENT PLAN

Project No: 21445C
Drawing No: C101
Revision: 4

PLOT DATE: Wed Mar 26 16:47:14 2025 CAD FILE: Q:\21\21445 412 - 414 Cessnock Road, Gillieston Heights\02_CAD\AutoCAD\Civil\100 Subdivision DA\21445C C101 r4.dwg

LEGEND

- SITE REGRADE
- ACCESSWAY
- FOOTPATH
- PROPOSED STORMWATER PIPE
- EKI PIT
- SAG PIT
- IAD PIT
- DESIGN CONTOURS MAJOR
- DESIGN CONTOURS MINOR
- NATURAL CONTOURS MAJOR
- NATURAL CONTOURS MINOR
- PROPOSED RETAINING WALL
- EXISTING TREE TO BE RETAINED
- EXISTING TREE TO BE REMOVED

NOTE:
REFER TO SHEET C111 FOR ADDITIONAL SITE REGRADE / EARTHWORKS INFORMATION AND CONCEPT RETAINING WALL HEIGHTS.

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	03/10/23
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	KS	AS	17.06.22

North

Scale: 0 10 20 30 40m — 1:500 (A1) 1:1000 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C102 r4
Scale: 1:500
A1 SHEET
Project Approval: IAN HILL (B.E) Consulting Civil Engineer
Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
PLAN SHEET (1 OF 2)

Project No: 21445C
Drawing No: C102
Revision: 4

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	29/09/23
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	KS	AS	17.06.22

North

Scale
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C103 r4
Scale: 1:500
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
PLAN SHEET (2 OF 2)

Project No: 21445C
Drawing No: C103
Revision: 4

PLOT DATE: Wed Mar 26 16:47:26 2025 CAD FILE: Q:\21\21445 412 - 414 Cessnock Road, Gillieston Heights\02_CAD\AutoCAD\Civil\100 Subdivision DA\21445C C103 r4.dwg

DATUM RL = 12.00

DESIGN SURFACE	22.455	22.232	21.920	21.798	20.994	20.320	20.045	19.295	18.955	18.865	17.960
NATURAL SURFACE	22.832	22.582	22.271	22.147	21.076	20.206	19.928	19.165	18.847	18.756	17.943
CHAINAGE	300.000	305.469	312.441	315.000	330.000	340.881	345.000	355.469	360.000	361.202	373.270

A1 SCALE: HORIZONTAL 1:500, VERTICAL 1:100

LONGITUDINAL SECTION BROAD STREET

DATUM RL = 12.00

DESIGN SURFACE	18.096	18.425	18.463	19.101	19.228	19.459	20.653	20.757	21.397	21.459	21.577	21.501	21.490	21.209	20.860	20.724	20.332	20.300	20.314	20.458	21.084	21.239	21.370	22.185	22.938	23.495	23.553	23.858	24.025	24.038	23.998	23.980	23.850	23.700	23.550	23.545	23.331	22.966	22.455
NATURAL SURFACE	18.100	18.308	18.331	18.769	18.948	19.266	21.101	21.272	22.344	22.500	22.975	22.840	22.821	22.430	21.747	21.480	19.680	19.783	19.850	20.715	22.131	22.349	22.533	23.486	24.090	24.316	24.335	24.504	24.568	24.561	24.481	24.448	24.338	24.152	23.990	23.985	23.772	23.473	22.832
CHAINAGE	0.000	7.490	8.043	15.000	16.087	18.013	30.000	31.347	43.013	45.000	53.307	60.000	60.443	68.013	75.000	77.719	90.000	94.669	97.719	105.000	117.719	120.000	121.933	135.000	150.000	165.000	166.933	180.000	195.000	200.395	210.000	211.933	225.000	240.000	255.000	255.469	270.000	285.000	300.000

A1 SCALE: HORIZONTAL 1:500, VERTICAL 1:100

LONGITUDINAL SECTION BROAD STREET

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	NOT ISSUED			
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	DB	AS	17.06.22

North

Scale
0 2 4 6 8m
1:100 (A1) 1:200 (A3)
0 10 20 30 40m
1:500 (A1) 1:1000 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C104 r4
Scale: AS SHOWN
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
BROAD STREET LONGITUDINAL SECTION

Project No 21445C
Drawing No C104
Revision 4

								21.200	21.148				20.597	20.547			20.547	20.597			20.500						
20.392	20.453	20.513	20.572	20.619	20.667	20.714	20.730	20.738	20.813	20.847	20.887	20.940	20.963	21.101	21.146	21.147	21.156	21.166	21.168	21.175	21.169	21.157	21.145	21.133	21.121	21.109
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.655	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	9.854	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000

CH 30.000

						19.949	19.596					19.045	18.995			19.045		19.219	19.100								
19.318	19.286	19.253	19.216	19.175	19.135	19.117	19.074		18.993	18.939	18.876	18.823	18.803	18.769	18.917	18.942		19.164	19.189	19.228	19.271	19.313	19.356	19.421	19.483	19.517	19.550
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.557	-10.500		-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150		8.500	9.094	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000

CH 15.000

						19.399	18.920					18.368	18.318			18.368		18.542		18.942	19.100						
19.011	18.939	18.868	18.810	18.759	18.708	18.704	18.631		18.544	18.492	18.438	18.402	18.389	18.308	18.225	18.210		18.276		18.319	18.326	18.367	18.412	18.457	18.502	18.547	18.592
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.939	-10.500		-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150		8.500		10.500	10.974	11.000	12.000	13.000	14.000	15.000	16.000	17.000

CH 7.490

DESIGN SURFACE							18.543		18.192	18.140	18.102	18.040	17.990	18.096	17.990	18.040		18.214		18.614	19.100						
NATURAL SURFACE	19.262	19.146	19.029	18.913	18.796	18.682	18.611	18.543	18.395	18.289	18.169	18.044	18.038	18.100	17.974	18.003		18.117		17.939	17.793	17.789	17.678	17.638	17.617	17.600	17.584
OFFSET	-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.256	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150		8.500		10.500	11.958	12.000	13.000	14.000	15.000	16.000	17.000

CH 0.000

								22.000																			
22.770	22.699	22.628	22.557	22.499	22.466	22.354	22.239	22.165	22.079	21.990	21.956	21.747	21.535	21.502	21.258	21.084	21.075	20.996	20.917	20.833	20.749	20.665	20.581				
-17.000	-16.000	-15.000	-14.000	-13.000	-12.436	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	10.886	11.000	12.000	13.000	14.000	15.000	16.000	17.000				

CH 75.000

						22.000	21.985	21.585	21.533	21.496	21.434	21.384	21.434	21.608			20.500										
23.979	23.927	23.876	23.824	23.770	23.711	23.652	23.625	23.622	23.504	23.403	23.278	23.149	23.099	22.821	22.591	22.540	22.136				21.645	21.566	21.478	21.374			
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.544	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500				14.039	15.000	16.000	17.000			

CH 60.443

				22.000	22.049																						
24.328	24.258	24.189	24.117	24.093	24.076	23.932	23.895	23.833	23.783			22.577		21.470	21.520		21.694				21.637	21.590	21.491	21.383			
-17.000	-16.000	-15.000	-14.000	-13.675	-13.431	-10.519	-9.019	-7.469	-6.869			0.000		3.550	4.150		8.500				14.471	15.000	16.000	17.000			

CH 53.307

						22.015	21.994	21.957		21.895	21.845			21.459		21.353	21.403		21.577			20.500					
23.618	23.588	23.499		23.400	23.361									22.500		22.270	22.232		21.973		21.645	21.635	21.544	21.450	21.355		
-17.000	-16.487	-14.987		-13.437	-12.837									0.000		3.550	4.150		8.500		13.885	14.000	15.000	16.000	17.000		

CH 45.000

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	29/09/23
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	DB	AS	17.06.22

North

Scale
0 2 4 6 8m
1:100 (A1) 1:200 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C105 r4
Scale: AS SHOWN
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
BROAD STREET CROSS SECTIONS (1 OF 4)

Project No: 21445C
Drawing No: C105
Revision: 4

								23.000	22.680	22.280	22.228	22.190	22.128	22.078	22.185	22.078	22.128	22.302	22.100													
24.392	24.342	24.293	24.243	24.193	24.143	24.116	24.069	23.969	23.904	23.819	23.727	23.691	23.486	23.311	23.271	22.987	22.921	22.889	22.824	22.758	22.692	22.619	22.546	22.476	22.407									
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.460	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	9.512	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000									

CH 135.000

				22.800	21.734	21.334	21.282	21.244	21.182	21.132	21.239	21.132	21.182	21.356	21.500																			
23.255	23.202	23.149	23.095	23.079	22.909	22.802	22.733	22.653	22.570	22.538	22.349	22.156	22.123	21.912	21.873	21.828	21.772	21.715	21.658	21.602	21.545	21.488	21.432											
-17.000	-16.000	-15.000	-14.000	-13.698	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	9.218	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000											

CH 120.000

				21.834	20.953	20.553	20.501	20.463	20.401	20.351	20.458	20.351	20.401	20.575	20.975	21.286																		
21.639	21.588	21.536	21.486	21.449	21.334	21.237	21.163	21.077	20.988	20.953	20.715	20.452	20.425	20.228	20.125	20.065	20.028	19.963	19.899	19.834	19.769	19.695												
-17.000	-16.000	-15.000	-14.000	-13.143	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	10.500	11.432	12.000	13.000	14.000	15.000	16.000	17.000												

CH 105.000

DESIGN SURFACE				19.246	20.395	20.343	20.306	20.244	20.194	20.300	20.194	20.244	20.418	18.737																				
NATURAL SURFACE	20.721	20.673	20.633	20.602	20.357	20.269	20.167	20.062	20.022	19.783	19.544	19.521	19.356	18.865	18.861																			
OFFSET	-17.000	-16.000	-15.000	-14.244	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	16.905	17.000																			

CH 94.669

							24.600	24.520	24.120	24.068	24.031	23.969	23.919	24.025	23.969	24.143	23.600																
25.945	25.869	25.793	25.717	25.640	25.563	25.483	25.462	25.443	25.325	25.204	25.071	24.933	24.879	24.568	24.271	24.217	23.850	23.651	23.593	23.520	23.447	23.374	23.301	23.228										
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.739	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	11.215	12.000	13.000	14.000	15.000	16.000	17.000										

CH 195.000

							24.400	24.353	23.953	23.901	23.863	23.801	23.751	23.858	23.751	23.801	23.975	23.500															
25.863	25.790	25.718	25.645	25.568	25.493	25.462	25.434	25.423	25.268	25.169	25.057	24.912	24.853	24.504	24.235	24.193	23.869	23.679	23.670	23.590	23.513	23.439	23.365	23.292	23.218									
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.642	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	10.876	11.000	12.000	13.000	14.000	15.000	16.000	17.000									

CH 180.000

							24.000	23.990	23.590	23.538	23.501	23.439	23.389	23.495	23.389	23.439	23.613	23.300															
25.507	25.423	25.338	25.254	25.170	25.086	25.002	24.962	24.960	24.831	24.749	24.657	24.564	24.528	24.316	24.070	24.025	23.701	23.585	23.516	23.441	23.370	23.310	23.249	23.189	23.129									
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.529	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	10.063	11.000	12.000	13.000	14.000	15.000	16.000	17.000									

CH 165.000

							23.200	23.033	22.981	22.943	22.881	22.831	22.938	22.831	22.881	23.055	22.900																
25.005	24.962	24.930	24.886	24.822	24.759	24.696	24.634	24.593	24.541	24.461	24.380	24.301	24.271	24.090	23.843	23.798	23.501	23.454	23.411	23.351	23.291	23.228	23.164	23.100	23.036	22.973								
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.000	-9.337	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	9.275	10.000	11.000	12.000	13.000	14.000	15.000	16.000	17.000								

CH 150.000

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	29/09/23
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	DB	AS	17.06.22

North

Scale
0 2 4 6 8m
1:100 (A1) 1:200 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C106 r4
Scale: AS SHOWN
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
BROAD STREET CROSS SECTIONS (2 OF 4)

Project No: 21445C
Drawing No: C106
Revision: 4

PLOT DATE: Wed Mar 26 16:47:45 2025
CAD FILE: Q:\21\21445 412 - 414 Cessnock Road, Gillieston Heights\02_CAD\AutoCAD\Civil\100 Subdivision DA\21445C C106 r4.dwg

								24.300	24.195	23.795	23.743	23.705	23.643	23.593	23.700	23.593	23.643	23.817	23.300																
25.507	25.443	25.378	25.313	25.245	25.161	25.076	25.060	25.033	24.862	24.751	24.623	24.491	24.439	24.152	23.861	23.812	23.451	23.224	23.148	23.064	22.979	22.895	22.811	22.727											
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.816	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	11.086	12.000	13.000	14.000	15.000	16.000	17.000											

CH 240.000

								24.450	24.345	23.945	23.893	23.855	23.793	23.743	23.850	23.743	23.793	23.967	23.500																
25.595	25.521	25.448	25.374	25.300	25.225	25.152	25.139	25.116	24.971	24.876	24.767	24.654	24.611	24.338	24.017	23.962	23.569	23.358	23.343	23.253	23.167	23.085	23.002	22.917	22.831										
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.816	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	10.836	11.000	12.000	13.000	14.000	15.000	16.000	17.000										

CH 225.000

								24.600	24.493	24.093	24.041	24.004	23.942	23.892	23.998	23.892	23.942	24.116	23.600																
25.813	25.746	25.679	25.615	25.554	25.492	25.420	25.407	25.382	25.229	25.130	25.002	24.860	24.805	24.481	24.161	24.106	23.696	23.489	23.416	23.336	23.254	23.172	23.090	23.009											
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.821	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	11.078	12.000	13.000	14.000	15.000	16.000	17.000											

CH 210.000

DESIGN SURFACE								24.600	24.533	24.133	24.081	24.044	23.982	23.932	24.038	23.932	23.982	24.156	23.600																
NATURAL SURFACE	25.962	25.886	25.810	25.734	25.656	25.570	25.484	25.458	25.442	25.281	25.176	25.073	24.936	24.882	24.561	24.235	24.181	23.812	23.594	23.537	23.458	23.382	23.309	23.236	23.163										
OFFSET	-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.701	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	11.278	12.000	13.000	14.000	15.000	16.000	17.000										

CH 200.395

								23.500		22.950		22.550	22.498	22.461	22.399	22.349		22.455		22.349	22.399		22.573				21.300								
23.892	23.826	23.759	23.693	23.630	23.574	23.465	23.333	23.248	23.149	23.047	23.007	22.832	22.618	22.581	22.291	21.860	21.851	21.786	21.721																
-17.000	-16.000	-15.000	-14.000	-13.000	-12.149	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150	8.500	14.864	15.000	16.000	17.000																

CH 300.000

							23.500	23.461	23.061	23.009	22.972	22.910	22.860		22.966		22.860	22.910					23.084				22.200								
24.476	24.414	24.358	24.301	24.245	24.188	24.130	24.107	24.100	23.977	23.876	23.790	23.701	23.666	23.473		23.216	23.158					22.781			22.476	22.471	22.403	22.332	22.255	22.178				
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.616	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550	0.000		3.550	4.150					8.500			12.919	13.000	14.000	15.000	16.000	17.000				

CH 285.000

								23.500	23.426	23.374	23.337	23.275	23.225		23.331		23.225	23.275					23.449				23.000								
24.866	24.750	24.628	24.499	24.405	24.331	24.274	24.225	24.177	24.171	24.153	24.090	24.018	23.951	23.925	23.772	23.582	23.540					23.144			22.959	22.938	22.855	22.773	22.691	22.608	22.526	22.444		
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.000	-10.000	-9.000	-8.870	-8.500	-7.200	-5.700	-4.150	-3.550	0.000	3.550	4.150					8.500			10.743	11.000	12.000	13.000	14.000	15.000	16.000	17.000		

CH 270.000

							24.300	24.045	23.645	23.593	23.555	23.493	23.443		23.550		23.443	23.493					23.667				23.200								
25.059	25.012	25.008	24.916	24.836	24.762	24.708	24.651	24.487	24.379	24.248	24.161	24.133		23.990		23.782	23.722					23.313			23.123	23.109	23.028	22.946	22.865	22.783	22.701	22.620		
-17.000	-16.000	-15.000	-14.000	-13.000	-12.000	-11.266	-10.500	-8.500	-7.200	-5.700	-4.150	-3.550		0.000		3.550	4.150					8.500			10.836	11.000	12.000	13.000	14.000	15.000	16.000	17.000		

CH 255.000

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	29/09/23
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	DB	AS	17.06.22

North

Scale
0 2 4 6 8m
1:100 (A1) 1:200 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed KS
Cad Reference 21445C C107 r4
Scale AS SHOWN
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
BROAD STREET CROSS SECTIONS (3 OF 4)

Project No 21445C
Drawing No C107
Revision 4

PLOT DATE: Wed Mar 26 16:47:52 2025 CAD FILE: Q:\21\21445 412 - 414 Cessnock Road, Gillieston Heights\02_CAD\AutoCAD\Civil\100 Subdivision DA\21445C C107 r4.dwg

CH 345.000

CH 340.881

CH 330.000

CH 312.441

CH 373.270

CH 361.202

CH 360.000

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	NOT ISSUED			
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	DB	AS	17.06.22

North

Scale
0 2 4 6 8m
1:100 (A1) 1:200 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C108 r4
Scale: AS SHOWN
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
BROAD STREET CROSS SECTIONS (4 OF 4)

Project No: 21445C
Drawing No: C108
Revision: 4

PLOT DATE: Wed Mar 26 16:47:58 2025 CAD FILE: Q:\21\21445 412 - 414 Cessnock Road, Gillieston Heights\02_CAD\AutoCAD\Civil\100 Subdivision DA\21445C C108 r4.dwg

NOTES:

1. ALL DIMENSIONS OF EASEMENTS AND LOTS ARE SUBJECT TO REGISTRATION OF DEPOSITED PLAN.
2. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED PLANS SUBJECT TO MAITLAND CITY COUNCIL'S MANUAL OF ENGINEERING STANDARDS.
3. EROSION CONTROL DEVICES AND SILTATION TRAPS TO BE INSTALLED BEFORE SITE IS DISTURBED IN ACCORDANCE WITH THE ATTACHED EROSION AND SEDIMENTATION CONTROL PLAN. COUNCIL IS TO INSPECT ALL EROSION AND SEDIMENT CONTROLS PRIOR TO ANY WORK COMMENCING.
4. DENUDED AREAS TO BE SEEDED IMMEDIATELY UPON COMPLETION OF TOP SOIL SPREADING.
5. ALL REINFORCED CONC. STORMWATER DRAINAGE PIPES ARE TO BE RUBBER RING JOINTED.
6. ALL EKI PIT GRATES TO BE SADDINGTONS GGLCD OR SIMILAR WITH RHS FRONT AND BACK.
7. ALL PITS DEEPER THAN 1.2m ARE TO BE CONSTRUCTED WITH STEP IRONS IN ACCORDANCE WITH MCC MANUAL OF ENGINEERING STANDARDS STD DWG SD039, SD043 AND ARE TO HAVE INCREASED INTERNAL DIMENSIONS TO ALLOW ACCESS IN ACCORDANCE WITH CONFINED SPACE REGULATIONS.
8. ALL STREET DRAINAGE PITS TO BE CONSTRUCTED IN ACCORDANCE WITH SD039.
9. ALL INTERALLOTMENT DRAINAGE PIPES TO BE SEWER GRADE uPVC (UNLESS OTHERWISE SHOWN) OR AN APPROVED EQUIVALENT. THE MINIMUM SLOPE OF INTERALLOTMENT DRAINAGE LINES SHALL BE 1%, THE INTERALLOTMENT DRAINAGE LINE SHALL BE A MINIMUM OF 0.5m FROM THE BOUNDARY AND LOCATED IN AN EASEMENT 1.5m WIDE.
10. JUNCTION PITS SHALL BE PROVIDED WHERE AN INTERALLOTMENT PIT IS NOT CONSTRUCTED. THEY SHALL BE 1.0m FROM THE ADJOINING DOWNSTREAM ALLOTMENT BOUNDARY.
11. ALL EXISTING UNDERGROUND SERVICES MUST BE LOCATED AND EXPOSED PRIOR TO EARTHWORKS COMMENCING AND IT IS THE RESPONSIBILITY OF THOSE PERSONS USING THIS PLAN TO CONFIRM BOTH POSITION & LEVEL OF THESE UTILITIES IN CONJUNCTION WITH THE APPROPRIATE AUTHORITY.
12. SUBSOIL DRAINS ARE TO BE PROVIDED IN ACCORDANCE WITH COUNCIL'S STD DWG SD035 AND SD032, AND WHERE NECESSARY, AS DIRECTED BY COUNCIL DURING WORKS.
13. PAVEMENT THICKNESS TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE APPROVED GEOTECHNICAL REPORT.
14. EASEMENT FOR BATTER TO BE CREATED WHERE FILL BATTERS ARE 3(H):1(V) OR STEEPER OR WHERE DEPTH OF FILL AT BOUNDARY EXCEEDS 600mm.
15. WORKING HOURS ON SITE SHALL BE IN ACCORDANCE WITH EPA & COUNCIL REQUIREMENTS.
16. VEHICULAR ACCESS AND ALL SERVICES ARE TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION WORKS.
17. MAINTENANCE ON THE SEEDED AND TURFED AREAS SHALL BE OVER A 3 MONTH PERIOD. TURF THE FULL WIDTH OF ALL EARTH DISH DRAINS. LAY 600mm WIDE TURF STRIPS TO EACH SIDE OF CONCRETE ACCESSWAYS, PATHWAYS, AT THE REAR OF ALL KERB AND GUTTERING AND AT THE TOP OF CUT BATTERS. MULCH (IF AVAILABLE FROM SITE CLEARING) AND SEED ALL OTHER DISTURBED AREAS, INCLUDING TRENCHES. NO PERMANENT MULCH/WOODCHIP IS PERMITTED WITHIN FLOWPATHS AND PUBLIC AREAS.
18. ALL PERAMBULATOR RAMPS TO BE CONSTRUCTED AS SHOWN ON PLANS AND IN ACCORDANCE WITH MAITLAND CITY COUNCIL'S MANUAL OF ENGINEERING STANDARDS STD DWG SD019.
19. TRAFFIC CONTROL MEASURES TO BE IN ACCORDANCE WITH AS 1742.3-1996.
20. ALL LEVELS MUST BE OBTAINED FROM ESTABLISHED BENCH MARKS AS DIRECTED BY THE SUPERVISOR.
21. THE CONTRACTOR IS TO ENSURE THAT ALL THE NECESSARY SERVICE PIPE CONDUITS AND FITTINGS ARE IN PLACE PRIOR TO THE FINAL WEARING COURSE BEING LAID.
22. PROVIDE STREET NAME SIGNS AT ALL INTERSECTIONS, DOUBLE BLADED WHERE NECESSARY IN ACCORDANCE WITH MCC MANUAL OF ENGINEERING STANDARDS STD DWG SD029.
23. ALL SITE FILLING TO BE CONTROLLED FILL WITH INSPECTION TESTING TO BE CARRIED OUT BY A NATA REGISTERED LABORATORY TO LEVEL 1 IN ACCORDANCE WITH AS3798.
24. PAVEMENT PROOF ROLLING AND LEVEL CHECKS, DENSITY AND BENKELMAN BEAM TESTING TO BE IN ACCORDANCE WITH COUNCIL'S MANUAL OF ENGINEERING STANDARDS.
25. WHERE APPROVED CONSTRUCTION WORK REQUIRES THE REMOVAL OF TREES, THE CONTRACTOR IS TO ENGAGE THE SERVICES OF A SUITABLY QUALIFIED ECOLOGIST TO INSPECT THE SITE AND IDENTIFY ANY TREE WHICH IS LIKELY TO BE A HABITAT TREE. THE ECOLOGIST IS ALSO TO BE ON SITE DURING THE FELLING OF ANY IDENTIFIED TREE AND ENSURE THAT ANY DISPLACED OR INJURED WILDLIFE IS COLLECTED AND FORWARDED TO AN APPROPRIATE WILDLIFE RESCUE SERVICE. THE ECOLOGIST IS TO REPORT TO COUNCIL ON ACTION TAKEN AS PART OF TREE CLEARING OPERATIONS.

TYPICAL SECTION - BROAD STREET
SCALE 1:50

TYPICAL DETAIL - SLEEPER RETAINING WALL
SCALE 1:20

TYPICAL DETAIL - TIERED SLEEPER RETAINING WALL
SCALE 1:20

SECTION A C102
SCALE 1:50

NOTE: TREATMENT / DETAIL AS APPROVED FOR LOT 606 DP1245051 UNDER CC17-141 (DA10-791)

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	03/10/23
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	DB	AS	17.06.22

North

Scale
0 1 2 3 4m
1:50 (A1) 1:100 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C109 r4
Scale: 1:50
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
TYPICAL SECTIONS AND NOTES

Project No: 21445C
Drawing No: C109
Revision: 4

VERTICAL GEOMETRY GRADE (%): 25.681% | 0.000% | 20.0% | 20.0% | 0.000% | 29.844%
VERTICAL GEOMETRY LENGTH (m): L 10.80 | L 28.36 | L 2.68 | L 2.00 | L 31.51 | L 6.74

DATUM RL = 15.00

CHAINAGE	CUT / FILL DEPTH	DESIGN SURFACE	NATURAL SURFACE
0.000			
15.000			
30.000	1.885		21.569
30.800	2.030		21.570
45.000	0.979		22.621
59.157	-0.084		23.684
60.000	0.023		23.746
61.789	0.249		23.878
70.289	-0.553		24.562
75.000	-0.904		24.966
78.789	-1.166		25.270
80.789	-0.927		25.431
81.077	-0.855		25.455
90.000	-1.543		26.143
105.000	-2.641		27.241
112.589	-3.228		27.828
113.590	-2.302		27.902
113.604	-1.302		27.902
120.000	-0.047		28.556
135.000			
139.969			

A1 SCALE: HORIZONTAL 1:500, VERTICAL 1:100

LONGITUDINAL SECTION SECTION 2

VERTICAL GEOMETRY GRADE (%): 7.134% | -0.128% | 0.000% | 0.000% | 0.000% | 30.377%
VERTICAL GEOMETRY LENGTH (m): L 6.54 | L 8.74 | L 15.47 | L 15.59 | L 45.06 | L 7.52

DATUM RL = 13.00

CHAINAGE	CUT / FILL DEPTH	DESIGN SURFACE	NATURAL SURFACE
0.000			
15.000			
26.806	1.118		19.486
30.000	1.221		19.378
35.551	0.901		19.691
35.609	1.505		19.695
45.000	1.059		20.141
51.074	0.838		20.362
51.161	1.634		20.366
60.000	0.874		21.126
66.754	0.041		21.959
66.890	1.027		21.973
75.000	0.123		22.877
90.000	-1.250		24.250
105.000	-2.963		25.963
111.949	-3.790		26.790
112.950	-2.848		26.848
112.965	-1.849		26.849
120.000	-0.119		27.256
135.000			
139.160			

A1 SCALE: HORIZONTAL 1:500, VERTICAL 1:100

LONGITUDINAL SECTION SECTION 4

VERTICAL GEOMETRY GRADE (%): 18.943% | 10.68% | 3.32% | 6.475% | 51.432% | 0.000% | 20.0% | 20.0% | 0.003% | 13.654% | 9.352%
VERTICAL GEOMETRY LENGTH (m): L 1.94 | L 9.89 | L 13.90 | L 0.97 | L 14.59 | L 6.36 | L 2.00 | L 30.16 | L 10.04 | L 1.28

DATUM RL = 13.00

CHAINAGE	CUT / FILL DEPTH	DESIGN SURFACE	NATURAL SURFACE
0.000			
15.000			
22.048	0.000		19.059
24.009	0.000		19.269
25.903	0.437		19.463
30.000	0.337		19.829
39.803	0.104		20.696
40.776	0.530		20.770
45.000	0.203		21.097
55.364	-0.560		21.860
60.000	0.054		22.173
61.727	0.281		22.291
70.227	-0.377		22.832
75.000	-0.579		23.088
78.727	-0.783		23.333
80.727	-0.555		23.465
82.365	-0.077		23.573
90.000	-0.578		24.074
105.000	-1.371		24.868
112.527	-1.435		24.932
113.528	-0.544		24.989
120.000	-0.011		25.339
123.568	0.000		25.816
124.843	0.000		25.935
135.000			
140.011			

A1 SCALE: HORIZONTAL 1:500, VERTICAL 1:100

LONGITUDINAL SECTION SECTION 1

VERTICAL GEOMETRY GRADE (%): 25.127% | 2.151% | 20.0% | 20.0% | 2.818% | 10.335%
VERTICAL GEOMETRY LENGTH (m): L 10.80 | L 27.95 | L 2.00 | L 2.00 | L 26.56 | L 7.20

DATUM RL = 12.00

CHAINAGE	CUT / FILL DEPTH	DESIGN SURFACE	NATURAL SURFACE
0.000			
15.000			
30.000	1.711		18.783
30.800	1.886		18.809
45.000	1.562		19.438
58.750	0.926		20.370
59.529	0.632		20.405
60.000	0.516		20.427
61.529	0.141		20.496
70.029	-0.451		20.971
75.000	-0.690		21.265
78.529	-0.853		21.467
80.529	-0.557		21.572
82.969	0.149		21.679
90.000	-0.017		22.043
105.000	-0.489		22.937
109.529	-0.634		23.210
112.329	-0.872		23.448
113.330	0.043		23.533
120.000	0.188		24.077
135.000			
139.626			

A1 SCALE: HORIZONTAL 1:500, VERTICAL 1:100

LONGITUDINAL SECTION SECTION 3

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	03/10/23
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	DB	AS	17.06.22

North

Scale
1:100 (A1) 0 2 4 6 8m 1:200 (A3)
1:500 (A1) 0 10 20 30 40m 1:1000 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C110 r4
Scale: AS SHOWN
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
SITE CROSS SECTIONS

Project No: 21445C
Drawing No: C110
Revision: 4

LEGEND

- SITE REGRADE
- DESIGN CONTOURS MAJOR
- DESIGN CONTOURS MINOR
- NATURAL CONTOURS MAJOR
- NATURAL CONTOURS MINOR
- 21.00 SITE REGRADE LEVEL
- EXISTING TREE TO BE RETAINED
- EXISTING TREE TO BE REMOVED

RETAINING WALL LEGEND

- 0m - 1.0m HIGH
- 1.0m - 1.5m HIGH

11
DP 573032

1346
DP 1273445

1345
DP 1273445

A
DP 377804

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	03/10/23
2	COUONCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	KS	AS	17.06.22

North

Scale
0 12 24 36 48m
1:600 (A1) 1:1200 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C111 r4
Scale: 1:600
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
REGRADE PLAN

Project No: 21445C
Drawing No: C111
Revision: 4

PLOT DATE: Wed Mar 26 16:48:12 2025 CAD FILE: Q:\21\21445 412 - 414 Cessnock Road, Gillieston Heights\02_CAD\AutoCAD\Civil\100 Subdivision DA\21445C C111 r4.dwg

CUT/FILL DEPTH	
-600	to -5.80 m
-5.80	to -5.60 m
-5.60	to -5.40 m
-5.40	to -5.20 m
-5.20	to -5.00 m
-5.00	to -4.80 m
-4.80	to -4.60 m
-4.60	to -4.40 m
-4.40	to -4.20 m
-4.20	to -4.00 m
-4.00	to -3.80 m
-3.80	to -3.60 m
-3.60	to -3.40 m
-3.40	to -3.20 m
-3.20	to -3.00 m
-3.00	to -2.80 m
-2.80	to -2.60 m
-2.60	to -2.40 m
-2.40	to -2.20 m
-2.20	to -2.00 m
-2.00	to -1.80 m
-1.80	to -1.60 m
-1.60	to -1.40 m
-1.40	to -1.20 m
-1.20	to -1.00 m
-1.00	to -0.80 m
-0.80	to -0.60 m
-0.60	to -0.40 m
-0.40	to -0.20 m
-0.20	to 0.00 m
0.00	to 0.20 m
0.20	to 0.40 m
0.40	to 0.60 m
0.60	to 0.80 m
0.80	to 1.00 m
1.00	to 1.20 m
1.20	to 1.40 m
1.40	to 1.60 m
1.60	to 1.80 m
1.80	to 2.00 m
2.00	to 2.20 m
2.20	to 2.40 m
2.40	to 2.60 m
2.60	to 2.80 m
2.80	to 3.00 m
3.00	to 3.20 m
3.20	to 3.40 m
3.40	to 3.60 m
3.60	to 3.80 m
3.80	to 4.00 m
4.00	to 4.20 m
4.20	to 4.40 m
4.40	to 4.60 m
4.60	to 4.80 m
4.80	to 5.00 m
5.00	to 5.20 m
5.20	to 5.40 m
5.40	to 5.60 m
5.60	to 5.80 m
5.80	to 600 m

APPROXIMATE EARTHWORKS VOLUMES:

CUT: = -25,295 m^3
FILL: = +16,100 m^3

BALANCE: = + 9,195 m^3

NOTE: EARTHWORKS VOLUMES HAVE ADOPTED A 'TIN-TO-TIN' ANALYSIS WITHOUT CONSIDERATION TO PAVEMENT BOXING AND SERVICES TRENCH SPOIL.

11
DP 573032

1346
DP 1273445

1345
DP 1273445

A
DP 377804

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	03.10.23
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	KS	AS	17.06.22

North

Scale
0 12 24 36 48m
1:600 (A1) 1:1200 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C112 r4
Scale: 1:600
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
CUT/FILL RELIEF PLAN

Project No: 21445C
Drawing No: C112
Revision: 4

PLOT DATE: Wed Mar 26 16:49:12 2025 CAD FILE: Q:\21\21445 412 - 414 Cessnock Road, Gillieston Heights\02_CAD\AutoCAD\Civil\100 Subdivision DA\21445C C112 r4.dwg

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	24.03.25
3	REVISED DESIGN FOR TREE RETENTION	KS	AS	03/10/23
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	ISSUED FOR DA	KS	AS	17.06.22

North

Scale
0 12 24 36 48m
1:600 (A1) 1:1200 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed: KS
Cad Reference: 21445C C113 r4
Scale: 1:600
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
EROSION AND SEDIMENTATION CONTROL PLAN

Project No: 21445C
Drawing No: C113
Revision: 4

PLOT DATE: Wed Mar 26 16:49:18 2025
CAD FILE: Q:\21\21445 412 - 414 Cessnock Road, Gillieston Heights\02_CAD\AutoCAD\Civil\100 Subdivision DA\21445C C113 r4.dwg

A1 SCALE: HORIZONTAL 1:200, VERTICAL 1:100

LOT 31

A1 SCALE: HORIZONTAL 1:200, VERTICAL 1:100

LOT 33

A1 SCALE: HORIZONTAL 1:200, VERTICAL 1:100

LOT 34

A1 SCALE: HORIZONTAL 1:200, VERTICAL 1:100

LOT 35

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

Amendment	Description	Drawn	App'd	Date
4	AMENDED LAYOUT FOR S4.55 APPLICATION	DB	AS	04.03.25
3	NOT ISSUED			
2	COUNCIL COMMENTS	DB	AS	26.04.23
1	NOT ISSUED			

North

Scale
0 2 4 6 8m
1:100 (A1) 1:200 (A3)
0 4 8 12 16m
1:200 (A1) 1:400 (A3)

COPYRIGHT
Copyright in the drawings, information and data recorded hereon is the property of Geoff Craig & Associates Pty Ltd and may not be used, copied or reproduced in whole or part for any purpose other than that for which it is supplied without the prior consent of Geoff Craig & Associates Pty Ltd.

Designed KS
Cad Reference 21445C C114 r4
Scale AS SHOWN
A1 SHEET
Project Approval
IAN HILL (B.E)
Consulting Civil Engineer

Client

GCA ENGINEERING SOLUTIONS
A.B.N. 92 086 017 745
1 HARTLEY DRIVE, THORNTON NSW 2322
PO BOX 3337, THORNTON NSW 2322
PHONE: (02) 4964 1811

412 CESSNOCK ROAD
GILLIESTON HEIGHTS
PROPOSED SUBDIVISION
EXAMPLE DRIVEWAY PROFILES
LOT 31, 33, 34 & 35

Project No 21445C
Drawing No C114
Revision 4

PLOT DATE: Wed Mar 26 16:49:22 2025
CAD FILE: Q:\21\21445 412 - 414 Cessnock Road, Gillieston Heights\02_CAD\AutoCAD\Civil\100 Subdivision DA\21445C C114 r4.dwg