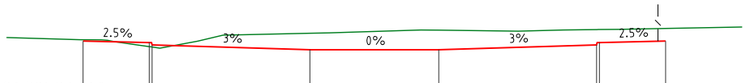


DATUM R.L. 1.0

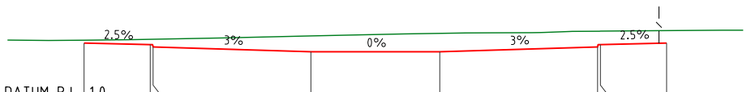
DESIGN SURFACE LEVEL	4.747	4.639	4.487	4.18	4.18	4.489	4.637	4.747
EXISTING SURFACE LEVEL	4.832	4.382	5.336	5.249	5.452	5.493	5.395	5.562
OFFSET	-23.2	-18.885	-18.7	-8.4	0	10.3	10.485	14.8

CH 1100

DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.747	4.639	4.487	4.18	4.18	4.489	4.637	4.747
EXISTING SURFACE LEVEL	5.029	5.173	5.179	5.369	5.464	5.564	5.565	5.594
OFFSET	-23.2	-18.885	-18.7	-8.4	0	10.3	10.485	14.8

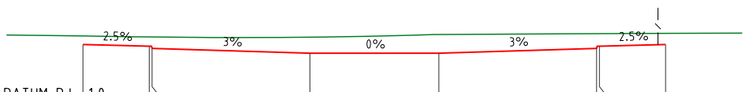
CH 1080



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.747	4.639	4.487	4.18	4.18	4.489	4.637	4.747
EXISTING SURFACE LEVEL	4.932	4.987	4.991	5.209	5.372	5.517	5.518	5.553
OFFSET	-23.2	-18.885	-18.7	-8.4	0	10.3	10.485	14.8

CH 1060



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.747	4.639	4.487	4.18	4.18	4.489	4.637	4.747
EXISTING SURFACE LEVEL	5.304	5.243	5.241	5.236	5.398	5.453	5.452	5.472
OFFSET	-23.2	-18.885	-18.7	-8.4	0	10.3	10.485	14.8

CH 1040

KINGS FOREST PARKWAY (ROAD 01) (Cont.)

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
KINGS FOREST PARKWAY
(ROAD 01) (Cont.)
SHEET 06

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065

Postal Address
PO Box 2484
Southport QLD 4215

mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED	RB	DRAWN	BL
APPROVED		DATE	28-08-12

DRAWING NUMBER 12301-EMAW-308
AMEND. A

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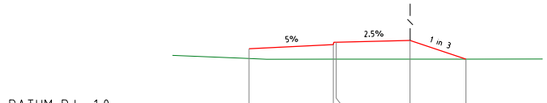
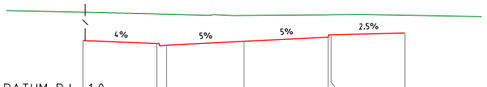


DATUM R.L. 1.0

DESIGN SURFACE LEVEL	5.216	5.491 5.641	5.761	5.544
EXISTING SURFACE LEVEL	4.582	4.539 4.539	4.542	4.544
OFFSET	0	5.5 5.685	10.5	14.151

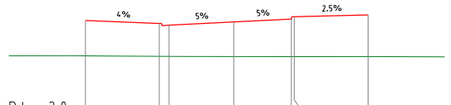
CH 120



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.711	5.518 5.605	4.658	5.933 5.083	5.203
EXISTING SURFACE LEVEL	6.555	6.444 6.43	6.344	6.392 6.393	6.361
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5

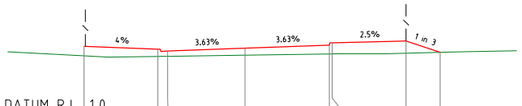
CH 220



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	4.194	4.001 3.888	4.1	4.287 4.437	4.558
EXISTING SURFACE LEVEL	1.888	1.859 1.855	1.829	1.838 1.839	1.836
OFFSET	-9.676	-4.861 -4.226	0	3.759 3.924	8.759

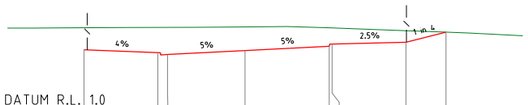
CH 320



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	5.373	5.181 5.068	5.251	5.45 5.6	5.72	4.978
EXISTING SURFACE LEVEL	4.748	4.712 4.721	4.794	4.873 4.895	4.919	4.978
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5	12.726

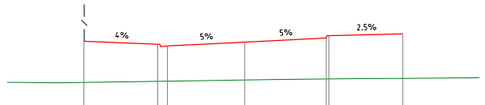
CH 100



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.822	4.63 4.517	4.769	5.044 5.194	5.315	5.97
EXISTING SURFACE LEVEL	6.255	6.274 6.277	6.31	6.251 6.244	6.066	5.97
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5	13.12

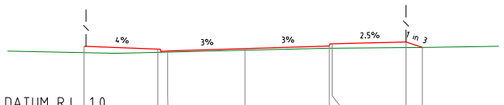
CH 200



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	4.264	4.072 3.959	4.211	4.477 4.627	4.747	
EXISTING SURFACE LEVEL	1.584	1.655 1.664	1.738	1.81 1.811	1.847	
OFFSET	-10.5	-5.685 -5.05	0	5.309 5.494	10.309	

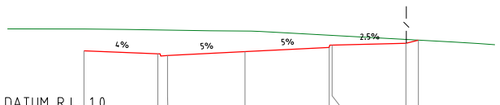
CH 300



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	5.231	5.038 4.925	5.077	5.242 5.392	5.512	5.156
EXISTING SURFACE LEVEL	4.81	4.834 4.849	4.971	5.103 5.105	5.143	5.156
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5	11.567

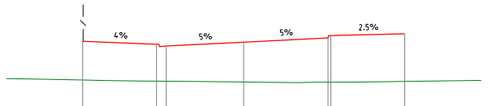
CH 80



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.934	4.742 4.629	4.881	5.156 5.306	5.426 5.629	
EXISTING SURFACE LEVEL	6.352	6.293 6.285	6.222	5.949 5.939	5.674 5.629	
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5 11.311	

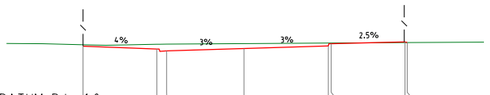
CH 180



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	4.376	4.183 4.07	4.323	4.598 4.748	4.868	
EXISTING SURFACE LEVEL	1.857	1.78 1.774	1.723	1.716 1.716	1.759	
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5	

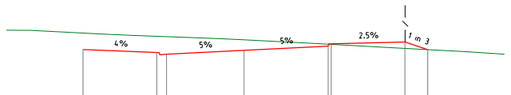
CH 280



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	5.006	4.813 4.7	4.852	5.017 5.167	5.287 5.239	
EXISTING SURFACE LEVEL	5.1	5.129 5.141	5.173	5.207 5.208	5.238 5.239	
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5 10.646	

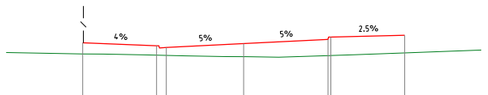
CH 60



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	5.046	4.853 4.74	4.993	5.268 5.418	5.538	5.04
EXISTING SURFACE LEVEL	6.125	5.911 5.887	5.678	5.392 5.382	5.12	5.04
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5	11.993

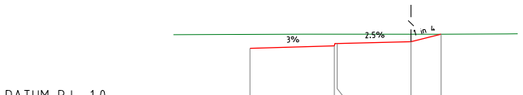
CH 160



DATUM R.L. 0.0

DESIGN SURFACE LEVEL	4.488	4.295 4.182	4.434	4.709 4.859	4.98	
EXISTING SURFACE LEVEL	3.761	3.678 3.667	3.58	3.65 3.656	3.829	
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5	

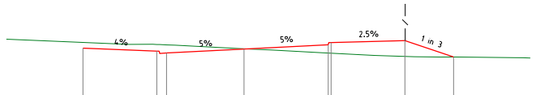
CH 260



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.627	4.792 4.942	5.063	5.553		
EXISTING SURFACE LEVEL	5.537	5.548 5.548	5.552	5.553		
OFFSET	0	5.5 5.685	10.5	12.464		

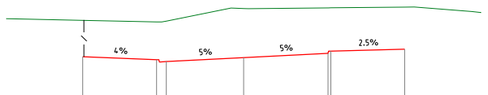
CH 40



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	5.157	4.985 4.852	5.104	5.379 5.529	5.65	4.59
EXISTING SURFACE LEVEL	5.537	5.402 5.377	5.123	4.84 4.831	4.628	4.59
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5	13.68

CH 140



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.599	4.407 4.294	4.546	4.821 4.971	5.091	
EXISTING SURFACE LEVEL	6.976	6.875 6.927	7.748	7.789 7.791	7.839	
OFFSET	-10.5	-5.685 -5.05	0	5.5 5.685	10.5	

CH 240

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 09
SHEET 01

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination
MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088
Postal Address
PO Box 2484
Southport QLD 4215
Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED RB	DRAWN BL
APPROVED	DATE 28-08-12

DRAWING NUMBER 12301-EMAW-309
AMEND. A

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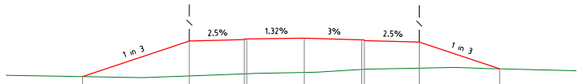
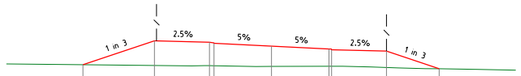


DATUM R.L. -3.0

DESIGN SURFACE LEVEL	1.029	3.352	3.442 3.492	3.541	3.429 3.379	3.289	1.54
EXISTING SURFACE LEVEL	1.029	1.077	1.211 1.217	1.303	1.582 1.572	1.584	1.54
OFFSET	-14.469	-7.5	-3.914 -3.75	0	3.75 3.914	7.5	12.748

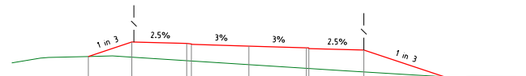
CH 420



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	2.287	3.842	3.752 3.688	3.5	3.313 3.263	3.173	2.029
EXISTING SURFACE LEVEL	2.287	2.237	2.224 2.219	2.175	2.182 2.182	2.102	2.029
OFFSET	-12.303	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	10.933

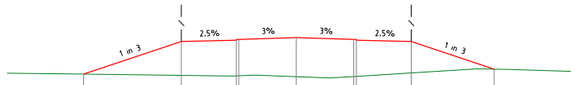
CH 520



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	2.823	3.767	3.677 3.612	3.5	3.388 3.338	3.248	1.505
EXISTING SURFACE LEVEL	2.823	2.78	2.55 2.531	2.29	2.05 2.04	1.81	1.505
OFFSET	-10.467	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	12.73

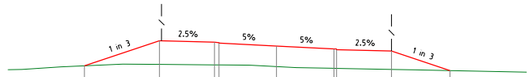
CH 620



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	1.276	3.401	3.49 3.54	3.653	3.54 3.49	3.401	1.597
EXISTING SURFACE LEVEL	1.276	1.192	1.161 1.168	1.111	1.119 1.129	1.351	1.597
OFFSET	-13.876	-7.5	-3.914 -3.75	0	3.75 3.914	7.5	12.812

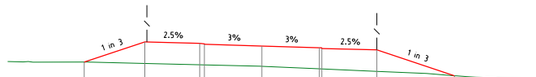
CH 400



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	2.211	3.842	3.752 3.688	3.5	3.313 3.263	3.173	1.899
EXISTING SURFACE LEVEL	2.211	2.302	2.271 2.269	2.258	2.044 2.041	1.976	1.899
OFFSET	-12.529	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	11.32

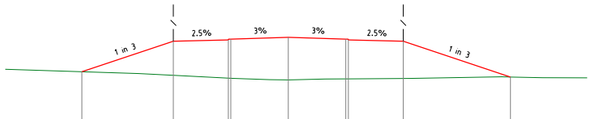
CH 500



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	2.451	3.767	3.677 3.612	3.5	3.388 3.338	3.248	1.56
EXISTING SURFACE LEVEL	2.451	2.361	2.275 2.268	2.175	2.012 2.005	1.849	1.56
OFFSET	-11.586	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	12.565

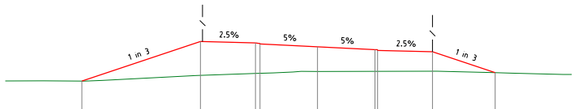
CH 600



DATUM R.L. -3.0

DESIGN SURFACE LEVEL	1.523	3.512	3.602 3.652	3.765	3.652 3.602	3.512	1.181
EXISTING SURFACE LEVEL	1.523	1.291	1.11 1.102	0.989	1.061 1.062	1.087	1.181
OFFSET	-13.468	-7.5	-3.914 -3.75	0	3.75 3.914	7.5	14.496

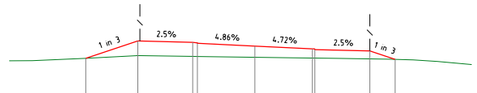
CH 380



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	1.263	3.842	3.752 3.688	3.5	3.313 3.263	3.173	1.811
EXISTING SURFACE LEVEL	1.263	1.639	1.76 1.77	1.89	1.899 1.899	1.909	1.811
OFFSET	-15.373	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	11.585

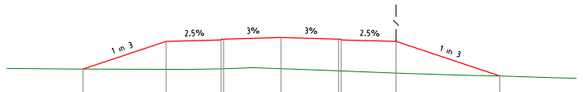
CH 480



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	2.707	3.837	3.747 3.682	3.5	3.323 3.273	3.183	2.632
EXISTING SURFACE LEVEL	2.707	2.878	2.829 2.825	2.773	2.721 2.718	2.668	2.632
OFFSET	-11.024	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	9.154

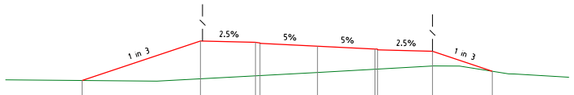
CH 580



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	1.817	3.624	3.714 3.764	3.876	3.764 3.714	3.624	1.369
EXISTING SURFACE LEVEL	1.817	1.795	1.835 1.838	1.84	1.698 1.692	1.557	1.369
OFFSET	-12.92	-7.5	-3.914 -3.75	0	3.75 3.914	7.5	14.265

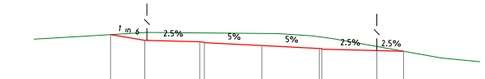
CH 360



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	1.266	3.842	3.752 3.688	3.5	3.313 3.263	3.173	1.872
EXISTING SURFACE LEVEL	1.266	1.377	1.572 1.589	1.789	1.999 2.008	2.21	1.872
OFFSET	-15.363	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	11.404

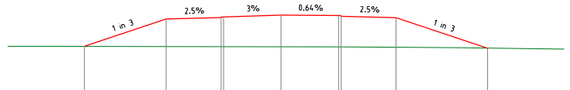
CH 460



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.214	3.842	3.752 3.688	3.5	3.313 3.263	3.173	3.129
EXISTING SURFACE LEVEL	4.214	4.347	4.327 4.324	4.292	4.073 4.051	3.442	3.129
OFFSET	-9.869	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	9.246

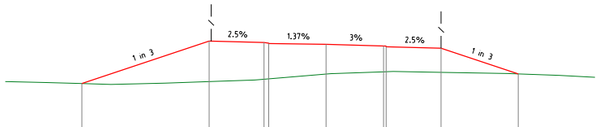
CH 560



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	1.956	3.736	3.825 3.875	3.988	3.964 3.914	3.824	1.834
EXISTING SURFACE LEVEL	1.956	1.943	1.931 1.93	1.919	1.925 1.925	1.896	1.834
OFFSET	-12.839	-7.5	-3.914 -3.75	0	3.75 3.914	7.5	13.47

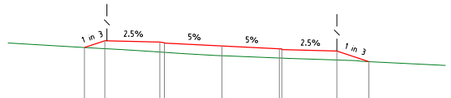
CH 340



DATUM R.L. -3.0

DESIGN SURFACE LEVEL	0.94	3.706	3.616 3.551	3.5	3.388 3.338	3.248	1.569
EXISTING SURFACE LEVEL	0.94	1.065	1.218 1.244	1.562	1.708 1.713	1.673	1.569
OFFSET	-15.934	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	12.537

CH 440



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	3.4	3.842	3.752 3.688	3.5	3.313 3.263	3.173	2.475
EXISTING SURFACE LEVEL	3.4	3.32	3.105 3.087	2.866	2.716 2.709	2.588	2.475
OFFSET	-8.964	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	9.594

CH 540

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 09 (Cont.)
SHEET 02

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065

mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED RB	DRAWN BL
APPROVED	DATE 28-08-12

DRAWING NUMBER: 12301-EMAW-310
AMEND.: A

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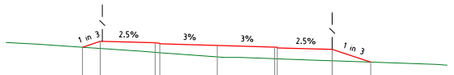
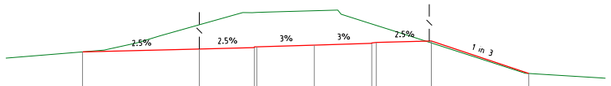


DATUM R.L. -1.0

DESIGN SURFACE LEVEL	3.382	3.767	3.677 3.612	3.5	3.388 3.338	3.248	2.412
EXISTING SURFACE LEVEL	3.382	3.393	3.048 3.026	2.757	2.634 2.627	2.496	2.412
OFFSET	-8.792	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	10.008

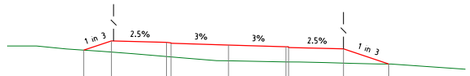
CH 720



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	3.057	3.248	3.338 3.388	3.5	3.612 3.677	3.767	1.648
EXISTING SURFACE LEVEL	3.057	4.826	5.621 5.627	5.741	4.882 4.787	3.644	1.648
OFFSET	-15.125	-7.5	-3.914 -3.75	0	3.75 4.05	7.636	13.994

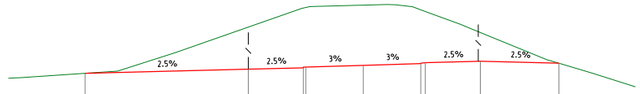
CH 820



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	3.164	3.767	3.677 3.612	3.5	3.388 3.338	3.248	2.263
EXISTING SURFACE LEVEL	3.164	3.04	2.719 2.725	2.469	2.395 2.392	2.321	2.263
OFFSET	-9.447	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	10.653

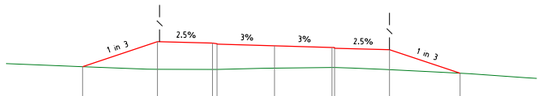
CH 700



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	2.981	3.248	3.338 3.388	3.5	3.612 3.677	3.767	3.639
EXISTING SURFACE LEVEL	2.981	5.994	7.377 7.423	7.425	7.121 7.011	5.642	3.639
OFFSET	-18.156	-7.5	-3.914 -3.75	0	3.75 4.05	7.636	12.755

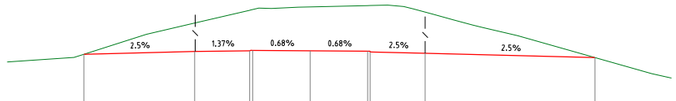
CH 800



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	2.139	3.767	3.677 3.612	3.5	3.388 3.338	3.248	1.713
EXISTING SURFACE LEVEL	2.139	1.97	1.955 1.958	2.04	2.083 2.085	1.937	1.713
OFFSET	-12.522	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	12.104

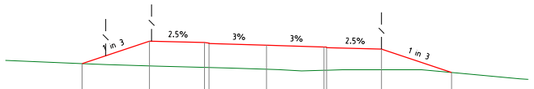
CH 680



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	3.272	3.452	3.502 3.525	3.5	3.475 3.425	3.335	3.058
EXISTING SURFACE LEVEL	3.272	5.306	6.144 6.189	6.383	6.447 6.451	6.021	3.058
OFFSET	-14.765	-7.531	-3.945 -3.75	0	3.75 3.914	7.5	18.574

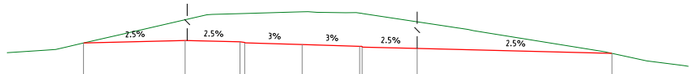
CH 780



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	2.302	3.767	3.677 3.612	3.5	3.388 3.338	3.248	1.725
EXISTING SURFACE LEVEL	2.302	2.157	2.053 2.044	1.935	1.867 1.871	1.902	1.725
OFFSET	-12.033	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	12.069

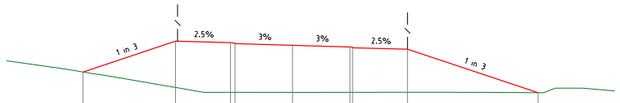
CH 660



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	3.602	3.767	3.677 3.612	3.5	3.388 3.338	3.248	2.93
EXISTING SURFACE LEVEL	3.602	5.121	5.521 5.529	5.635	5.556 5.551	4.987	2.93
OFFSET	-14.261	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	20.206

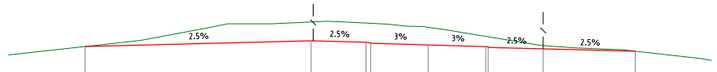
CH 760



DATUM R.L. -3.0

DESIGN SURFACE LEVEL	1.757	3.767	3.677 3.612	3.5	3.388 3.338	3.248	0.408
EXISTING SURFACE LEVEL	1.757	0.75	0.436 0.436	0.436	0.436 0.436	0.436	0.408
OFFSET	-13.665	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	16.02

CH 640



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	3.398	3.767	3.677 3.612	3.5	3.388 3.338	3.248	3.098
EXISTING SURFACE LEVEL	3.398	5	4.928 4.913	4.646	4.063 4.036	3.457	3.098
OFFSET	-22.387	-7.636	-4.05 -3.75	0	3.75 3.914	7.5	13.502

CH 740

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 09 (Cont.)
SHEET 03

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination
MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088
Postal Address
PO Box 2484
Southport QLD 4215
Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED RB	DRAWN BL
APPROVED	DATE 28-08-12

DRAWING NUMBER 12301-EMAW-311
AMEND. A

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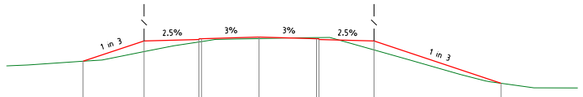
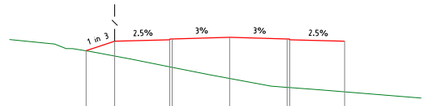


DATUM R.L. -2.0

DESIGN SURFACE LEVEL	3.164	4.489	4.579 4.629	4.742	4.629 4.579	4.489		1.725
EXISTING SURFACE LEVEL	3.164	3.791	4.424 4.419	4.643	4.705 4.707	3.902		1.725
OFFSET	-11.477	-7.5	-3.914 -3.75	0	3.75 3.914	7.5		15.793

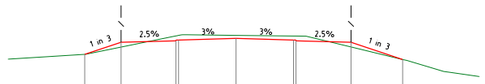
CH 920



DATUM R.L. -1.0

	5.959	6.581	6.671 6.721	6.833	6.721 6.671	6.581		
	5.959	5.608	4.907 4.875	4.15	3.57 3.557	3.275		
	-9.366	-7.5	-3.914 -3.75	0	3.75 3.914	7.5		

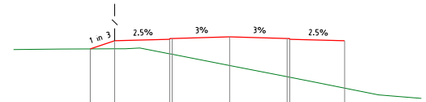
CH 1020



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	3.022	3.812	3.902 3.952	4.064	3.952 3.902	3.812		2.687
EXISTING SURFACE LEVEL	3.022	3.493	4.225 4.258	4.26	4.218 4.216	3.501		2.687
OFFSET	-9.87	-7.5	-3.914 -3.75	0	3.75 3.914	7.5		10.874

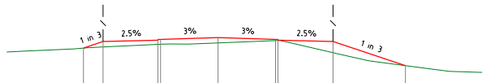
CH 900



DATUM R.L. -1.0

	5.878	6.411	6.501 6.551	6.663	6.551 6.501	6.411		
	5.878	5.886	5.558 5.526	4.794	4.062 4.03	3.322		
	-9.098	-7.5	-3.914 -3.75	0	3.75 3.914	7.5		

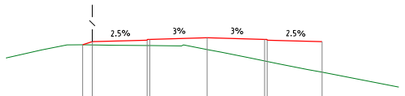
CH 1000



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	2.96	3.387	3.477 3.527	3.639	3.527 3.477	3.387		1.811
EXISTING SURFACE LEVEL	2.96	3.032	3.199 3.207	3.294	3.446 3.452	2.659		1.811
OFFSET	-8.78	-7.5	-3.914 -3.75	0	3.75 3.914	7.5		12.228

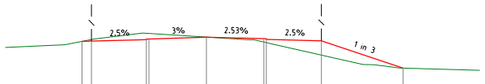
CH 880



DATUM R.L. 0.0

	6.022 6.23	6.32 6.37	6.482	6.37 6.32	6.23			
	6.022 6.018	5.977 5.975	5.709	4.986 4.934	4.236			
	-8.124 -7.5	-3.914 -3.75	0	3.75 3.914	7.5			

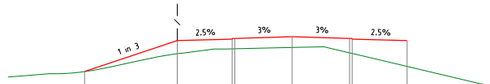
CH 980



DATUM R.L. -2.0

DESIGN SURFACE LEVEL		3.232 3.248	3.338 3.388	3.5	3.405 3.355	3.266		1.49
EXISTING SURFACE LEVEL		3.232 3.353	3.755 3.724	3.508	3.186 3.168	2.336		1.49
OFFSET		-8.116 -7.5	-3.914 -3.75	0	3.75 3.914	7.5		12.828

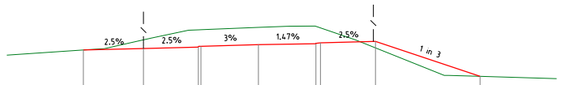
CH 860



DATUM R.L. -1.0

	3.834	5.848	5.938 5.988	6.1	5.988 5.938	5.848		
	3.834	4.981	5.31 5.313	5.397	5.069 5.007	4.162		
	-13.543	-7.5	-3.914 -3.75	0	3.75 3.914	7.5		

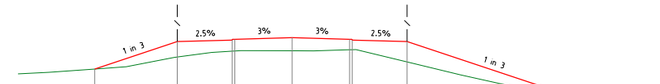
CH 960



DATUM R.L. -2.0

DESIGN SURFACE LEVEL	3.15	3.248	3.338 3.388	3.5	3.555 3.62	3.71		1.435
EXISTING SURFACE LEVEL	3.15	3.813	4.466 4.472	4.622	4.691 4.588	3.286		1.435
OFFSET	-11.417	-7.5	-3.914 -3.75	0	3.75 4.05	7.636		14.461

CH 840



DATUM R.L. -2.0

	3.41	5.204	5.294 5.344	5.456	5.344 5.294	5.204		1.516
	3.41	4.192	4.574 4.585	4.6	4.686 4.671	3.872		1.516
	-12.882	-7.5	-3.914 -3.75	0	3.75 3.914	7.5		18.564

CH 940

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 09 (Cont.)
SHEET 04

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination
MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088
Postal Address
PO Box 2484
Southport QLD 4215
Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED RB	DRAWN BL
APPROVED	DATE 28-08-12

DRAWING NUMBER 12301-EMAW-312
AMEND. A

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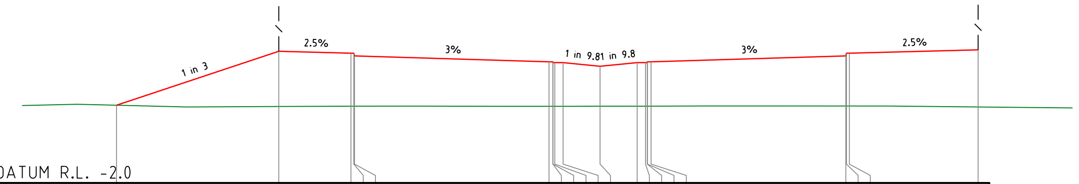
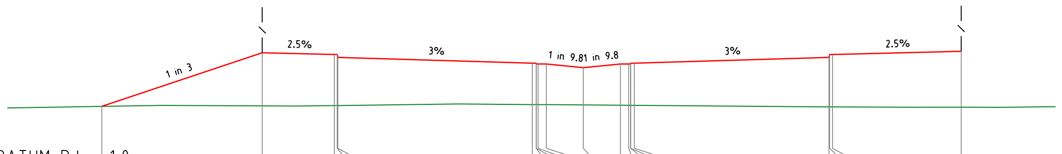


DATUM R.L. -2.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-25.583	2.123	2.123
-17	4.984	2.054
-13.185	4.889	2.071
-13.035	4.889	2.071
-13	4.739	2.072
-2.7	4.43	2.07
-2.501	4.43	2.07
-2.5	4.39	2.07
-2.4	4.39	2.07
-1.96	4.39	2.071
0	4.19	2.073
1.96	4.39	2.076
2.4	4.39	2.076
2.5	4.39	2.076
2.501	4.43	2.076
2.7	4.43	2.076
13	4.739	2.084
13.035	4.889	2.084
13.185	4.889	2.084
20	5.059	2.031

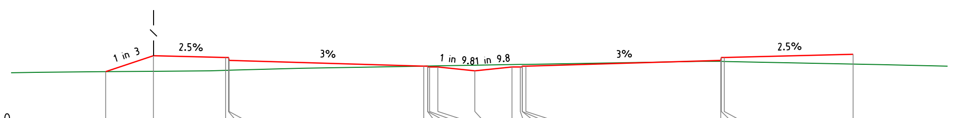
CH 120



DATUM R.L. -1.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-25.497	2.209	2.209
-17	5.042	2.236
-13.185	4.946	2.253
-13.035	4.946	2.255
-13	4.796	2.255
-2.7	4.487	2.306
-2.501	4.487	2.305
-2.5	4.447	2.305
-2.4	4.447	2.304
-1.96	4.447	2.301
0	4.247	2.286
1.96	4.447	2.27
2.4	4.447	2.267
2.5	4.447	2.266
2.501	4.487	2.266
2.7	4.487	2.265
13	4.796	2.185
13.035	4.946	2.185
13.185	4.946	2.184
20	5.117	2.165

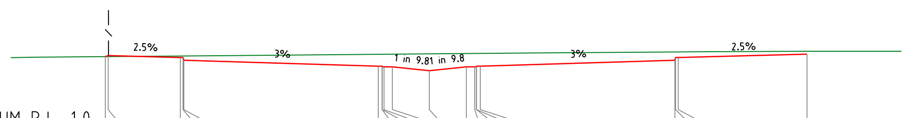
CH 100



DATUM R.L. 1.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-19.527	4.099	4.099
-17	4.942	4.121
-13.185	4.846	4.169
-13.035	4.846	4.173
-13	4.696	4.174
-2.7	4.387	4.393
-2.501	4.387	4.397
-2.5	4.347	4.397
-2.4	4.347	4.398
-1.96	4.347	4.406
0	4.147	4.439
1.96	4.347	4.473
2.4	4.347	4.481
2.5	4.347	4.482
2.501	4.387	4.482
2.7	4.387	4.486
13	4.696	4.643
13.035	4.846	4.642
13.185	4.846	4.639
20	5.017	4.501

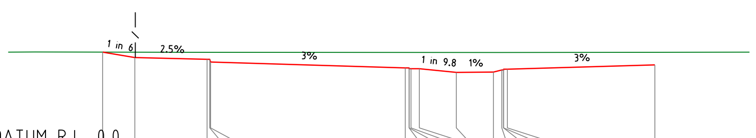
CH 80



DATUM R.L. 1.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-17.156	4.79	4.79
-17	4.842	4.791
-13.185	4.746	4.823
-13.035	4.746	4.824
-13	4.596	4.824
-2.7	4.287	4.912
-2.501	4.287	4.914
-2.5	4.247	4.914
-2.4	4.247	4.915
-1.96	4.247	4.918
0	4.047	4.934
1.96	4.247	4.95
2.4	4.247	4.954
2.5	4.247	4.955
2.501	4.287	4.955
2.7	4.287	4.957
13	4.596	5.041
13.035	4.746	5.042
13.185	4.746	5.043
20	4.917	5.069

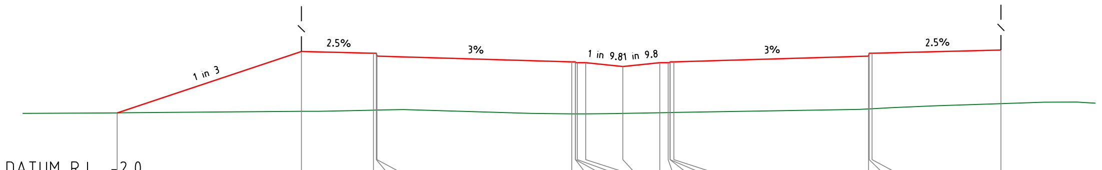
CH 60



DATUM R.L. 0.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-18.698	5.024	5.024
-17	4.741	5.022
-13.185	4.646	5.016
-13.035	4.646	5.016
-13	4.496	5.016
-2.7	4.187	5.006
-2.501	4.187	5.007
-2.5	4.147	5.007
-2.4	4.147	5.007
-1.96	4.147	5.007
0	3.947	5.009
1.96	3.967	5.011
2.4	4.077	5.012
2.5	4.078	5.012
2.501	4.118	5.012
2.7	4.118	5.012
10.5	4.352	5.021

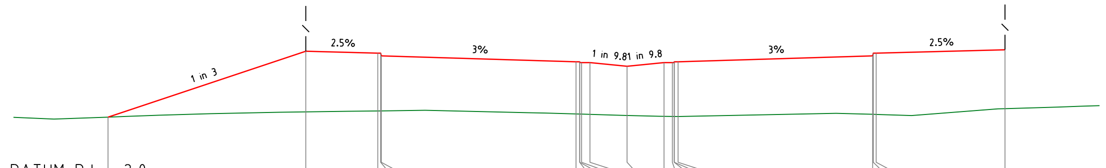
CH 40



DATUM R.L. -2.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-26.745	1.476	1.476
-17	4.724	1.554
-13.185	4.629	1.619
-13.035	4.629	1.622
-13	4.479	1.622
-2.7	4.17	1.423
-2.501	4.17	1.42
-2.5	4.13	1.42
-2.4	4.13	1.419
-1.96	4.13	1.423
0	3.93	1.448
1.96	4.13	1.482
2.4	4.13	1.489
2.5	4.13	1.491
2.501	4.17	1.491
2.7	4.17	1.494
13	4.479	1.684
13.035	4.629	1.686
13.185	4.629	1.692
20	4.799	1.962

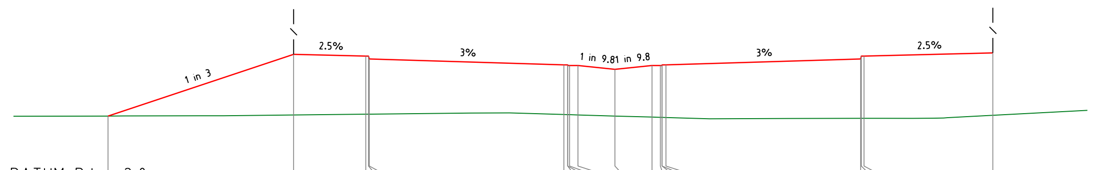
CH 220



DATUM R.L. -2.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-27.461	1.387	1.387
-17	4.874	1.669
-13.185	4.778	1.717
-13.035	4.778	1.719
-13	4.628	1.72
-2.7	4.319	1.557
-2.501	4.319	1.552
-2.5	4.279	1.552
-2.4	4.279	1.549
-1.96	4.279	1.537
0	4.079	1.484
1.96	4.279	1.43
2.4	4.279	1.418
2.5	4.279	1.419
2.501	4.319	1.419
2.7	4.319	1.423
13	4.628	1.538
13.035	4.778	1.537
13.185	4.778	1.532
20	4.949	1.837

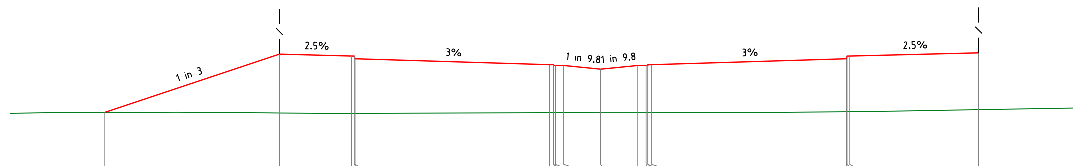
CH 200



DATUM R.L. -2.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-26.821	1.655	1.655
-17	4.929	1.709
-13.185	4.833	1.753
-13.035	4.833	1.755
-13	4.683	1.756
-2.7	4.374	1.734
-2.501	4.374	1.728
-2.5	4.334	1.728
-2.4	4.334	1.725
-1.96	4.334	1.712
0	4.134	1.655
1.96	4.334	1.598
2.4	4.334	1.585
2.5	4.334	1.582
2.501	4.374	1.582
2.7	4.374	1.576
13	4.683	1.536
13.035	4.833	1.536
13.185	4.833	1.536
20	5.004	1.693

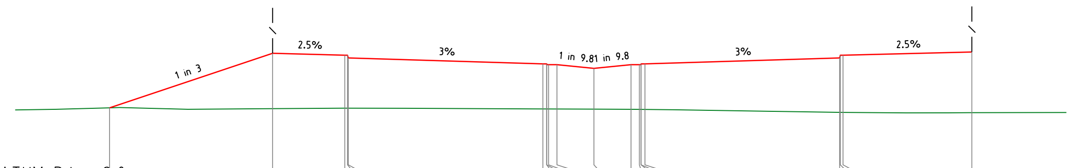
CH 180



DATUM R.L. -2.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-26.239	1.749	1.749
-17	4.829	1.717
-13.185	4.733	1.694
-13.035	4.733	1.695
-13	4.583	1.695
-2.7	4.274	1.732
-2.501	4.274	1.733
-2.5	4.234	1.733
-2.4	4.234	1.733
-1.96	4.234	1.733
0	4.034	1.729
1.96	4.234	1.729
2.4	4.234	1.731
2.5	4.234	1.731
2.501	4.274	1.731
2.7	4.274	1.732
13	4.583	1.781
13.035	4.733	1.781
13.185	4.733	1.783
20	4.904	1.89

CH 160



DATUM R.L. -2.0

OFFSET	DESIGN SURFACE LEVEL	EXISTING SURFACE LEVEL
-25.624	2.01	2.01
-17	4.884	1.966
-13.185	4.789	1.991
-13.035	4.789	1.99
-13	4.639	1.99
-2.7	4.33	1.951
-2.501	4.33	1.951
-2.5	4.29	1.951
-2.4	4.29	1.95
-1.96	4.29	1.949
0	4.09	1.941
1.96	4.29	1.932
2.4	4.29	1.925
2.5	4.29	1.924
2.501	4.33	1.924
2.7	4.33	1.921
13	4.639	1.774
13.035	4.789	1.773
13.185	4.789	1.771
20	4.959	1.759

CH 140

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446,
Part of Lot 1 on DP781633, Part of Lot 40 on DP7482
& Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE	
TENDER		
STATE AUTHORITY	05-08-12	
CONSTRUCTION		

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

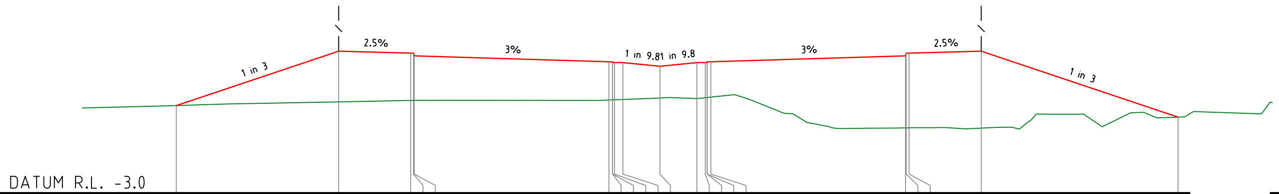
ROAD CROSS SECTIONS
ROAD 10
SHEET 01

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088
Postal Address
PO Box 2484
Southport QLD 4215
Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

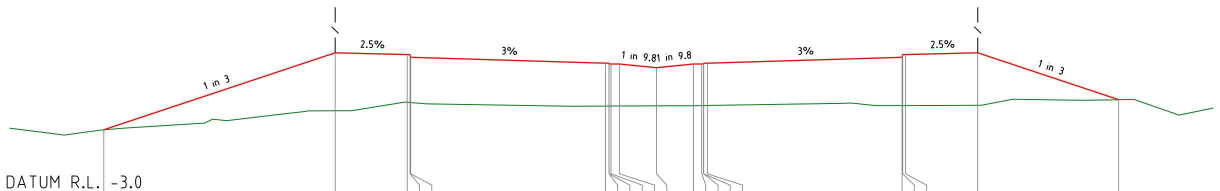
DESIGNED RB | DRAWN BL
APPROVED | DATE 28-08-12

DRAWING NUMBER 12301-EMAW-313 | AMEND. A



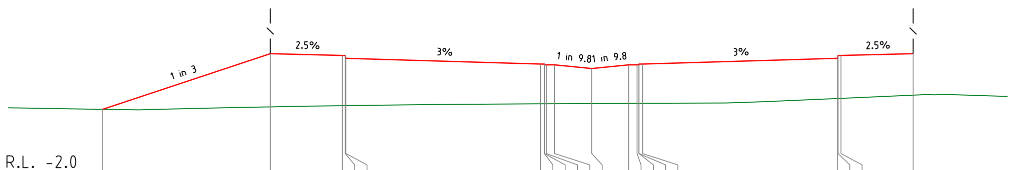
DESIGN SURFACE LEVEL	1.62	4.482	4.387	4.387	4.237	3.928	3.928	3.888	3.888	3.888	3.688	3.888	3.888	3.888	3.928	3.928	4.237	4.387	4.387	4.482	1.009
EXISTING SURFACE LEVEL	1.62	1.812	1.883	1.886	1.886	1.909	1.917	1.917	1.921	1.939	2.018	1.989	2.028	2.039	2.039	2.061	0.437	0.437	0.439	0.424	1.009
OFFSET	-25.586	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	17	27.421

CH 320



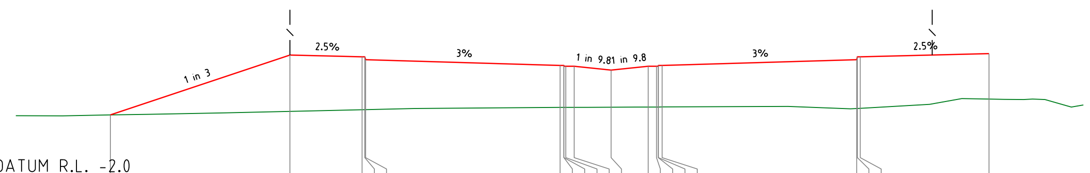
DESIGN SURFACE LEVEL	0.328	4.406	4.31	4.31	4.16	3.851	3.851	3.811	3.811	3.811	3.611	3.811	3.811	3.811	3.851	3.851	4.16	4.31	4.31	4.406	1.918
EXISTING SURFACE LEVEL	0.328	1.335	1.784	1.772	1.769	1.584	1.585	1.585	1.585	1.588	1.596	1.602	1.607	1.609	1.609	1.612	1.611	1.611	1.612	1.627	1.918
OFFSET	-29.234	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	17	24.462

CH 300



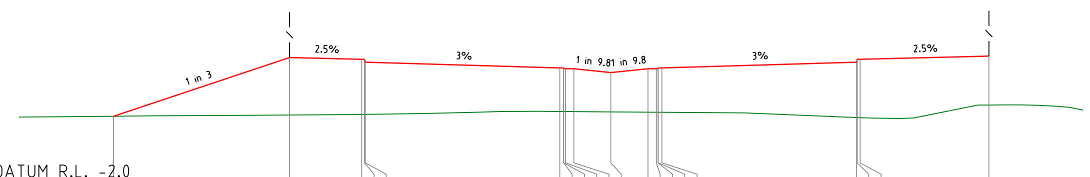
DESIGN SURFACE LEVEL	1.351	4.306	4.21	4.21	4.06	3.751	3.751	3.711	3.711	3.711	3.511	3.711	3.711	3.711	3.751	3.751	4.06	4.21	4.21	4.306
EXISTING SURFACE LEVEL	1.351	1.472	1.543	1.546	1.547	1.639	1.64	1.64	1.641	1.644	1.655	1.664	1.666	1.666	1.666	1.667	1.927	1.928	1.935	2.104
OFFSET	-25.865	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	17

CH 280



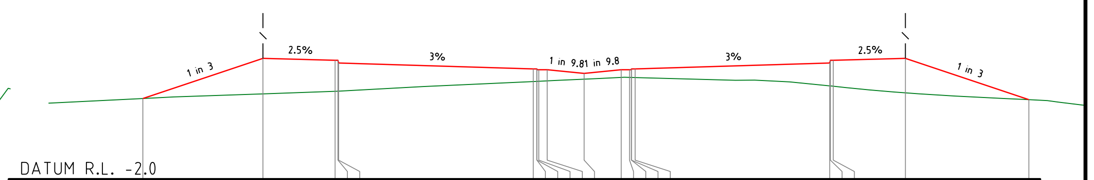
DESIGN SURFACE LEVEL	1.256	4.426	4.33	4.33	4.18	3.871	3.871	3.831	3.831	3.831	3.631	3.831	3.831	3.831	3.871	3.871	4.18	4.33	4.33	4.501
EXISTING SURFACE LEVEL	1.256	1.444	1.532	1.535	1.536	1.654	1.655	1.655	1.656	1.659	1.667	1.676	1.678	1.678	1.678	1.679	1.6	1.602	1.611	2.099
OFFSET	-26.51	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	20

CH 260



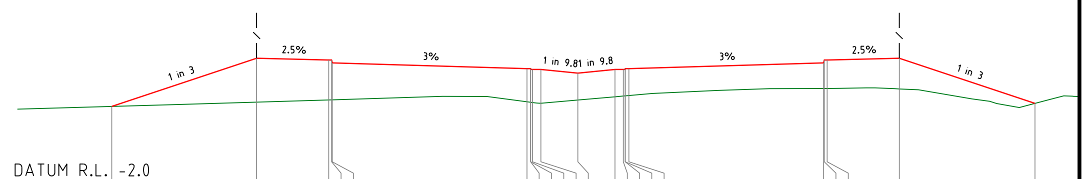
DESIGN SURFACE LEVEL	1.469	4.575	4.48	4.48	4.33	4.021	4.021	3.981	3.981	3.981	3.781	3.981	3.981	3.981	4.021	4.021	4.33	4.48	4.48	4.65
EXISTING SURFACE LEVEL	1.469	1.538	1.564	1.565	1.565	1.719	1.718	1.718	1.717	1.714	1.699	1.685	1.682	1.681	1.681	1.68	1.402	1.4	1.394	2.059
OFFSET	-26.318	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	20

CH 240



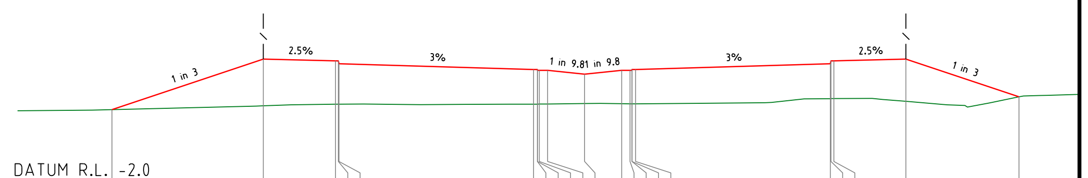
DESIGN SURFACE LEVEL	2.263	4.382	4.287	4.287	4.137	3.828	3.828	3.788	3.788	3.788	3.588	3.788	3.788	3.788	3.828	3.828	4.137	4.287	4.287	4.382	2.201
EXISTING SURFACE LEVEL	2.263	2.509	2.642	2.65	2.652	3.161	3.171	3.171	3.175	3.196	3.287	3.379	3.379	3.376	3.376	3.371	2.929	2.926	2.911	2.569	2.201
OFFSET	-23.359	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	17	23.543

CH 420



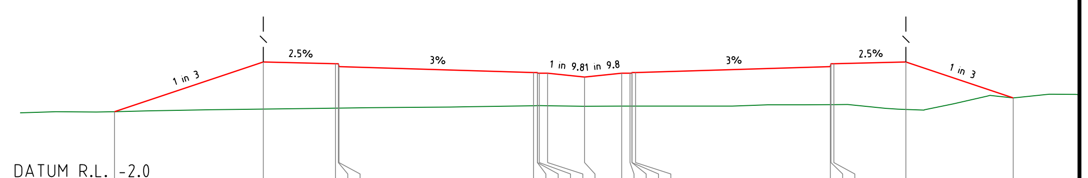
DESIGN SURFACE LEVEL	1.928	4.482	4.387	4.387	4.237	3.928	3.928	3.888	3.888	3.888	3.688	3.888	3.888	3.888	3.928	3.928	4.237	4.387	4.387	4.482	2.088
EXISTING SURFACE LEVEL	1.928	2.155	2.274	2.279	2.28	2.174	2.148	2.148	2.134	2.099	2.269	2.442	2.481	2.49	2.49	2.507	2.882	2.882	2.883	2.856	2.088
OFFSET	-24.662	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	17	24.182

CH 400



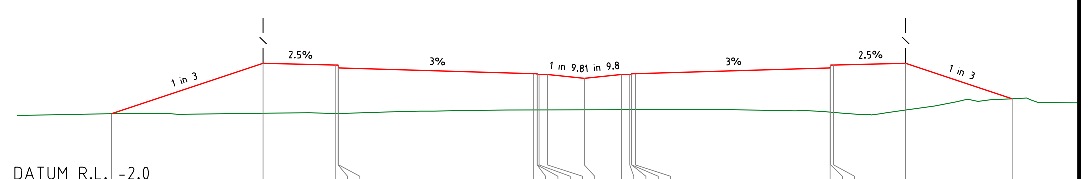
DESIGN SURFACE LEVEL	1.736	4.406	4.31	4.31	4.16	3.851	3.851	3.811	3.811	3.811	3.611	3.811	3.811	3.811	3.851	3.851	4.16	4.31	4.31	4.406	2.41
EXISTING SURFACE LEVEL	1.736	1.937	2.022	2.023	2.023	2.026	2.029	2.029	2.03	2.035	2.059	2.052	2.046	2.044	2.044	2.046	2.317	2.317	2.318	2.174	2.41
OFFSET	-25.01	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	17	22.986

CH 380



DESIGN SURFACE LEVEL	1.681	4.306	4.21	4.21	4.06	3.751	3.751	3.711	3.711	3.711	3.511	3.711	3.711	3.711	3.751	3.751	4.06	4.21	4.21	4.306	2.412
EXISTING SURFACE LEVEL	1.681	1.827	1.869	1.871	1.872	1.997	2	2	2.002	1.998	1.975	1.976	1.976	1.976	1.976	1.976	2.058	2.059	2.059	1.802	2.412
OFFSET	-24.873	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	17	22.68

CH 360



DESIGN SURFACE LEVEL	1.71	4.382	4.287	4.287	4.137	3.828	3.828	3.788	3.788	3.788	3.588	3.788	3.788	3.788	3.828	3.828	4.137	4.287	4.287	4.382	2.504
EXISTING SURFACE LEVEL	1.71	1.736	1.722	1.719	1.72	1.915	1.916	1.916	1.916	1.917	1.92	1.922	1.923	1.923	1.923	1.923	1.795	1.792	1.78	1.903	2.504
OFFSET	-25.017	-17	-13.185	-13.035	-13	-2.7	-2.501	-2.5	-2.4	-1.96	0	1.96	2.4	2.5	2.501	2.7	13	13.035	13.185	17	22.634

CH 340

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446,
Part of Lot 1 on DP781633, Part of Lot 40 on DP7482
& Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE	
TENDER		
STATE AUTHORITY	05-08-12	
CONSTRUCTION		

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 10 (Cont.)
SHEET 02

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination
MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088
Postal Address
PO Box 2484
Southport QLD 4215
Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED RB	DRAWN BL	
APPROVED		DATE 28-08-12

DRAWING NUMBER	AMEND.
12301-EMAW-314	A

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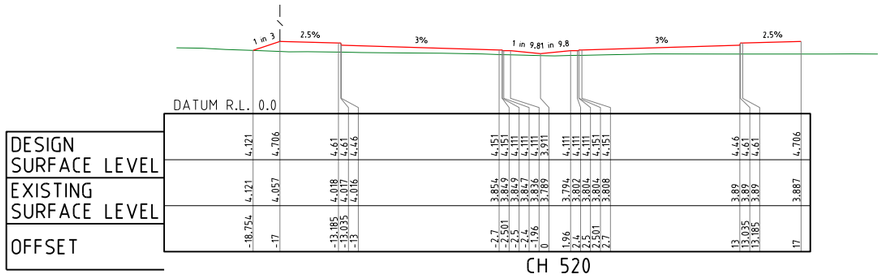

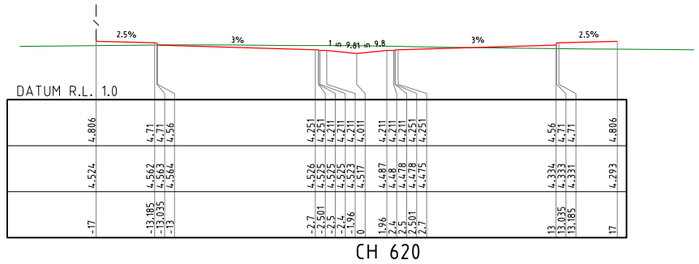

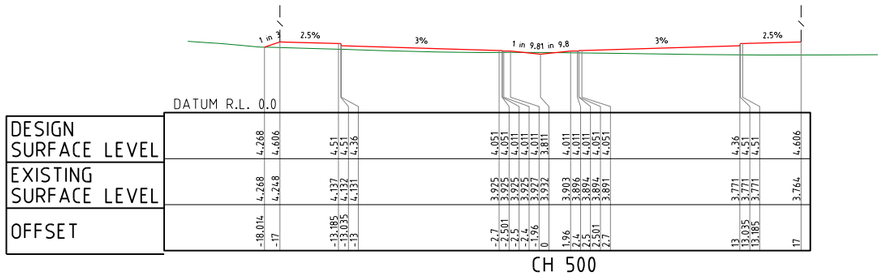

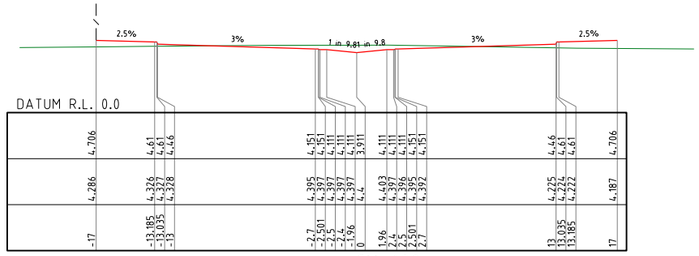

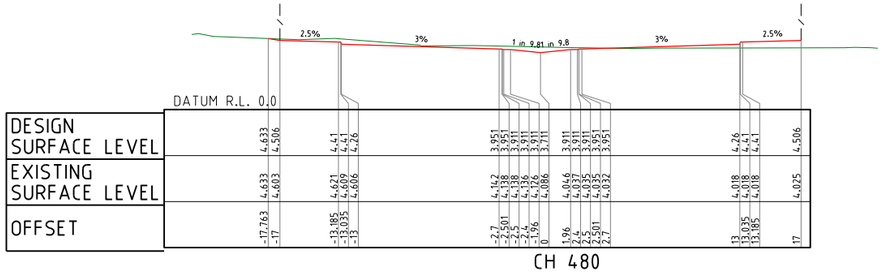

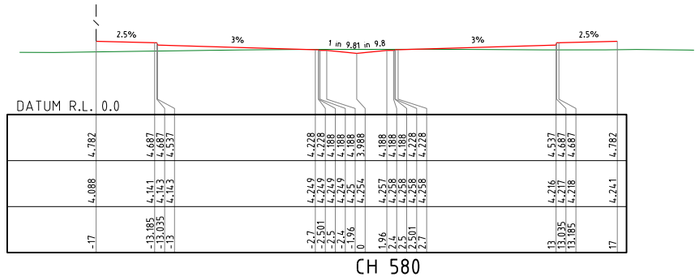

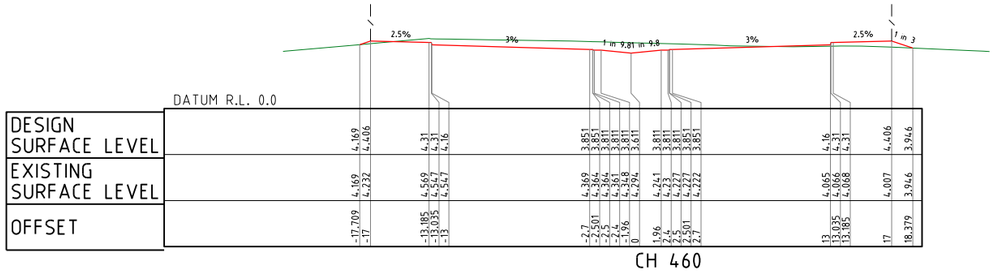

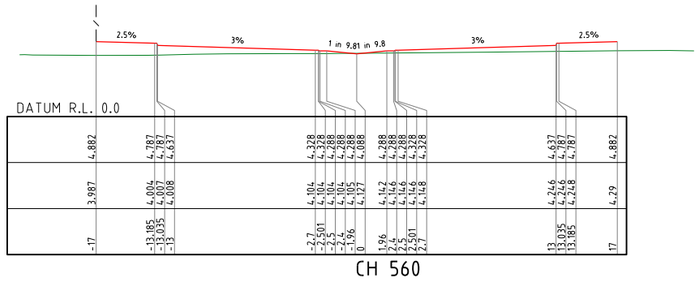

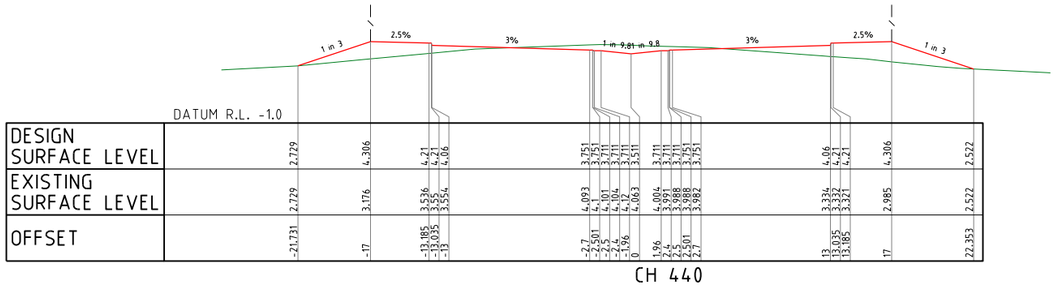

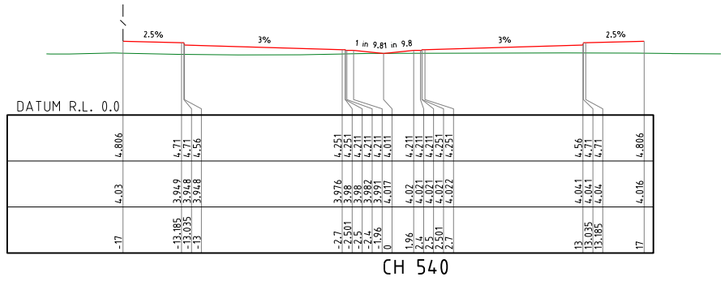

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446,
Part of Lot 1 on DP781633, Part of Lot 40 on DP7482
& Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 10 (Cont.)
SHEET 03

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination
MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088
Postal Address
PO Box 2484
Southport QLD 4215
Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED RB	DRAWN BL
APPROVED	DATE 28-08-12

DRAWING NUMBER 12301-EMAW-315
AMEND. A

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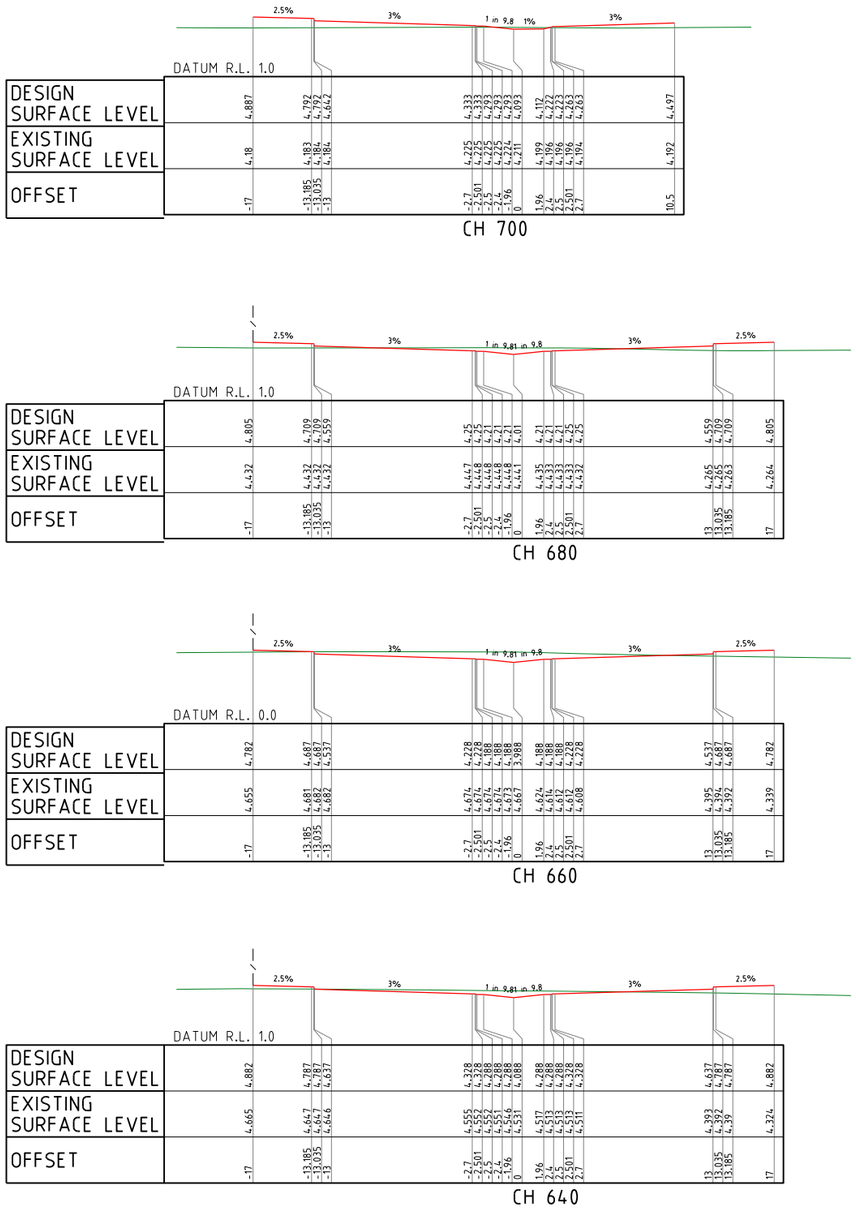

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 10 (Cont.)
SHEET 04

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED	RB	DRAWN	BL
APPROVED		DATE	28-08-12

DRAWING NUMBER	AMEND.
12301-EMAW-316	A

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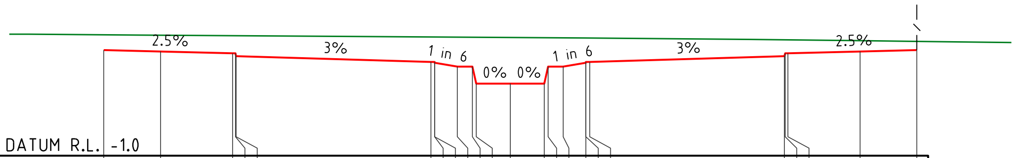
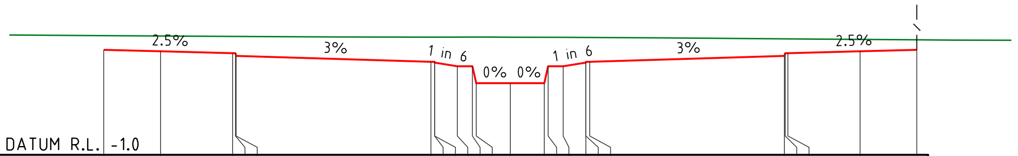


DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.382	5.361	5.332	5.331	5.331	5.254	5.252	5.252	5.245	5.241	5.24	5.232	5.223	5.222	5.218	5.211	5.211	5.209	5.112	5.112	5.11	5.063	5.026
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

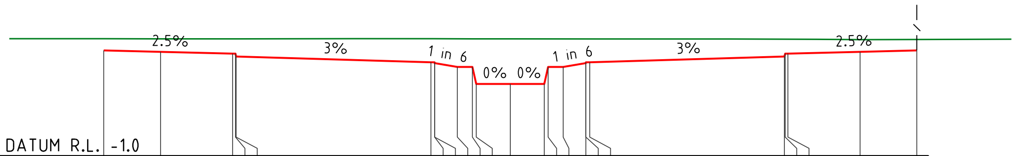
CH 120



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.326	5.307	5.282	5.281	5.281	5.249	5.249	5.249	5.25	5.25	5.25	5.246	5.239	5.238	5.235	5.231	5.231	5.229	5.155	5.155	5.154	5.126	5.105
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

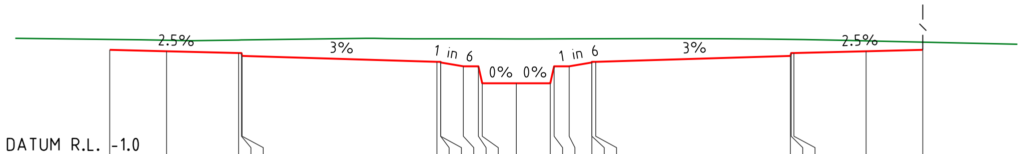
CH 100



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.184	5.181	5.18	5.181	5.181	5.184	5.184	5.184	5.183	5.182	5.182	5.179	5.177	5.176	5.175	5.174	5.174	5.173	5.159	5.159	5.159	5.134	5.141
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

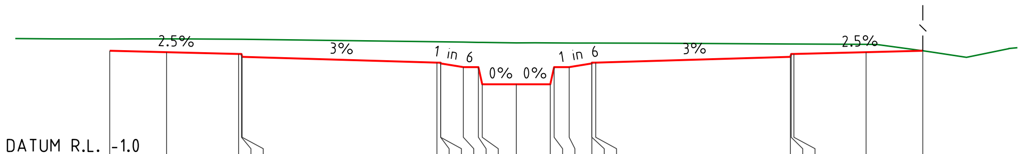
CH 80



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.126	5.081	5.091	5.093	5.094	5.155	5.155	5.155	5.154	5.153	5.153	5.151	5.152	5.152	5.153	5.155	5.155	5.155	5.124	5.123	5.12	5.043	4.977
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

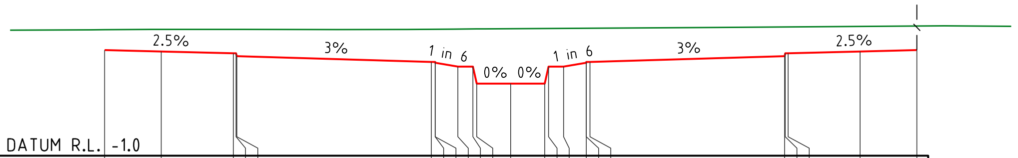
CH 60



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.187	5.181	5.174	5.173	5.173	5.04	5.037	5.037	5.022	5.011	5.009	4.985	4.978	4.978	4.976	4.973	4.973	4.972	4.925	4.925	4.924	4.903	4.564
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

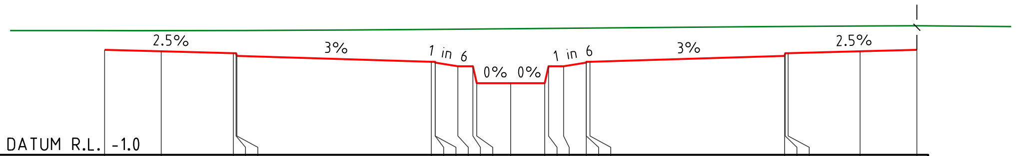
CH 40



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.642	5.651	5.662	5.663	5.663	5.665	5.667	5.667	5.676	5.683	5.684	5.697	5.708	5.709	5.714	5.722	5.722	5.723	5.789	5.79	5.791	5.817	5.838
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

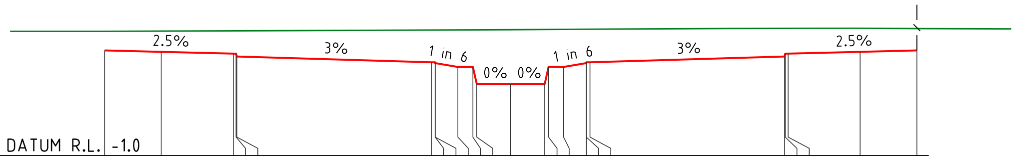
CH 220



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.598	5.6	5.609	5.61	5.61	5.658	5.659	5.659	5.669	5.676	5.678	5.693	5.708	5.71	5.717	5.727	5.727	5.729	5.818	5.818	5.819	5.853	5.853
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

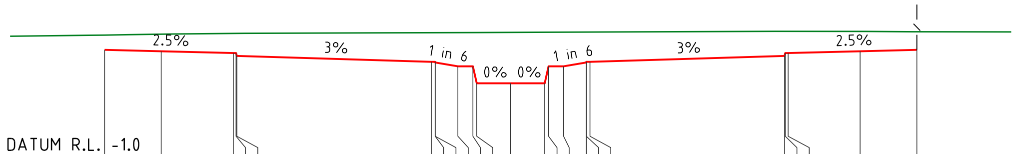
CH 200



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.573	5.582	5.598	5.599	5.599	5.643	5.644	5.644	5.65	5.654	5.655	5.664	5.673	5.675	5.679	5.685	5.685	5.686	5.732	5.733	5.733	5.734	5.722
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

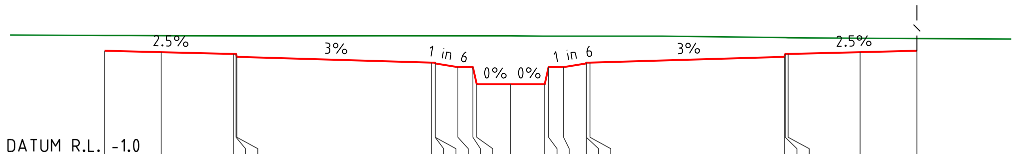
CH 180



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.35	5.393	5.442	5.442	5.442	5.478	5.479	5.479	5.484	5.487	5.488	5.496	5.503	5.504	5.507	5.512	5.512	5.513	5.55	5.55	5.55	5.536	5.525
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

CH 160



DATUM R.L. -1.0

DESIGN SURFACE LEVEL	4.569	4.494	4.399	4.399	4.249	3.94	3.94	3.9	3.7	3.7	2.8	2.8	2.8	3.7	3.7	3.9	3.94	3.94	4.249	4.399	4.399	4.494	4.569
EXISTING SURFACE LEVEL	5.374	5.356	5.356	5.356	5.356	5.357	5.357	5.357	5.357	5.357	5.357	5.351	5.34	5.34	5.339	5.338	5.338	5.338	5.258	5.257	5.256	5.229	5.213
OFFSET	-21.5	-18.5	-14.685	-14.535	-14.5	-4.2	-4.001	-4	-2.8	-2	-1.8	0	1.8	2	2.8	4	4.001	4.2	14.5	14.535	14.685	18.5	21.5

CH 140

ROAD 27

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PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE	
TENDER		
STATE AUTHORITY	05-08-12	
CONSTRUCTION		

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

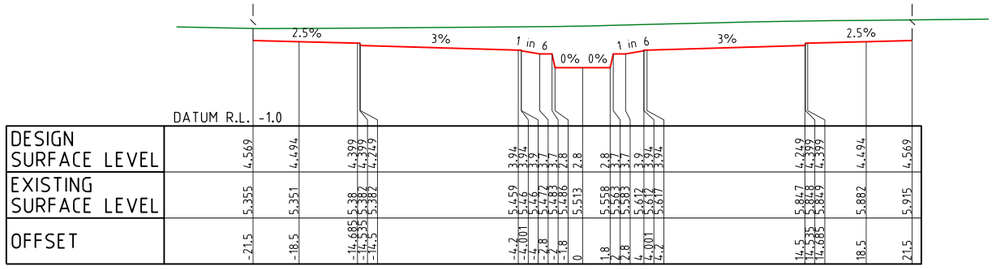
DRAWING TITLE

ROAD CROSS SECTIONS ROAD 27 SHEET 01

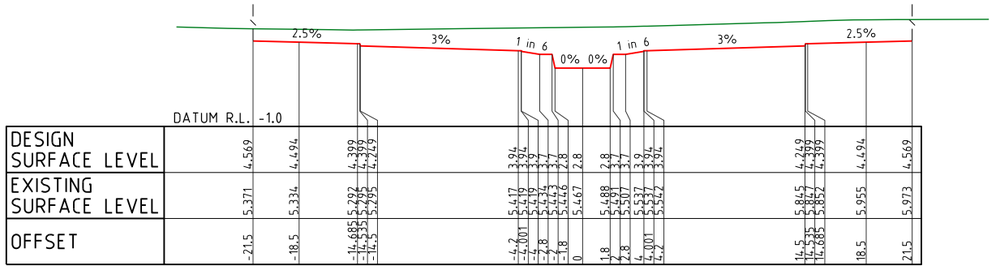
MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination
MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088
Postal Address
PO Box 2484
Southport QLD 4215
Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED RB	DRAWN BL
APPROVED	DATE 28-08-12

DRAWING NUMBER 12301-EMAW-317 AMEND. A



CH 320



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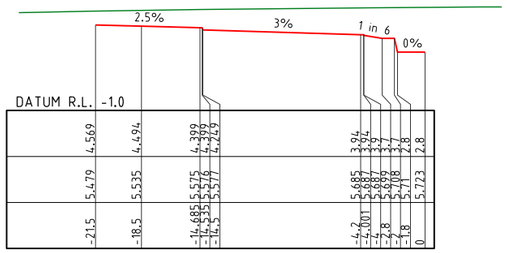

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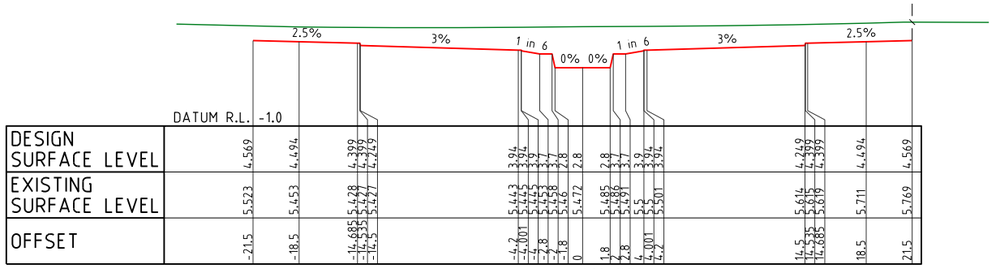

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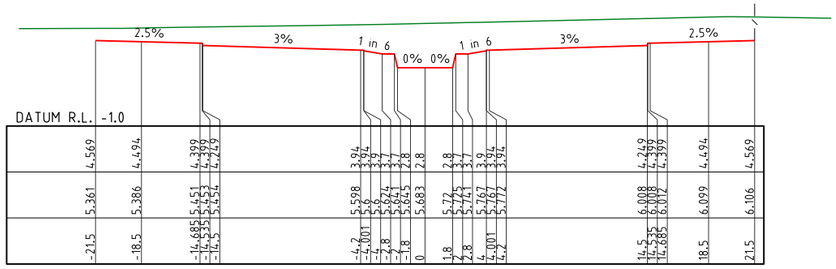

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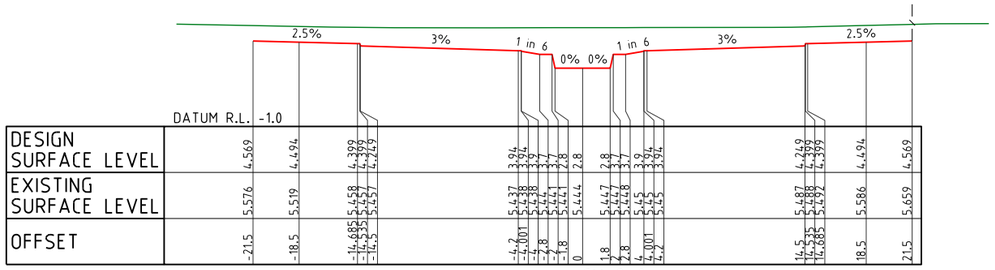
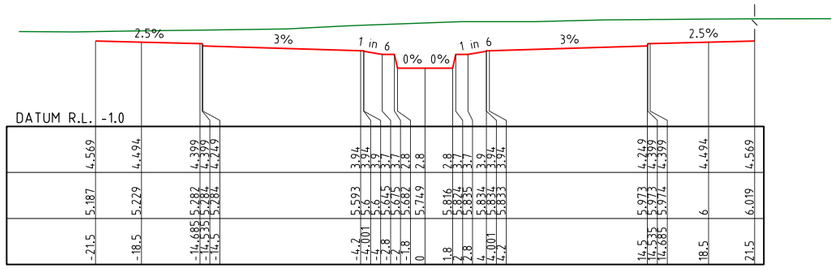


CH 260



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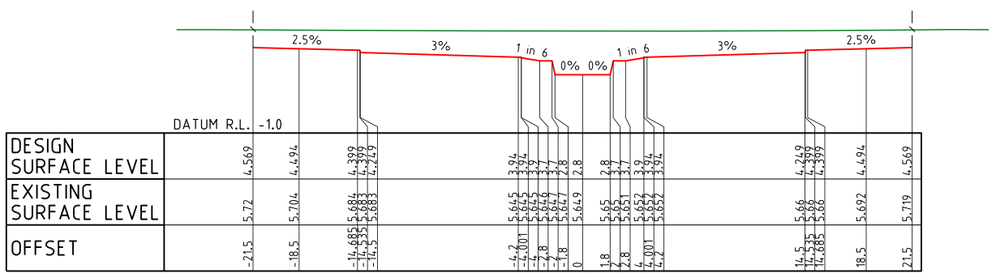
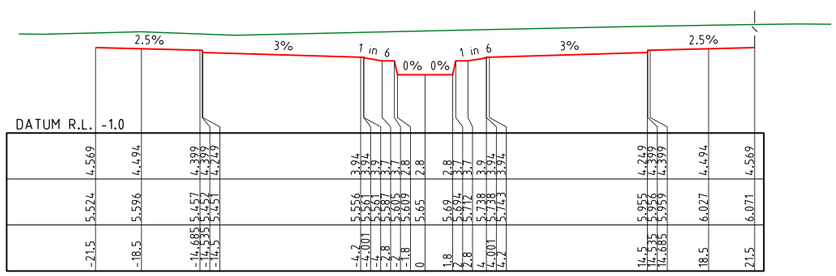


CH 240



CH 340

ROAD 27 (Cont.)

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 27 (Cont.)
SHEET 02

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED RB	DRAWN BL
APPROVED	DATE 28-08-12

DRAWING NUMBER 12301-EMAW-318
AMEND. A

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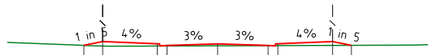
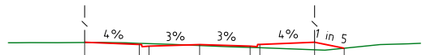


DATUM R.L. 2.0

DESIGN SURFACE LEVEL	5.108	5.353	5.21	5.097	5.196	5.097	5.21	5.353	5.107
EXISTING SURFACE LEVEL	5.108	5.06	5.062	5.06	5.074	5.087	5.089	5.102	5.107
OFFSET	-8.721	-7.5	-3.3	-3.935	0	3.3	3.935	7.5	8.728

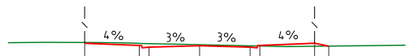
CH 100



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	5.253	4.997	5.11	5.096	4.997	5.11	5.253	4.866
EXISTING SURFACE LEVEL	5.235	5.156	5.179	5.036	4.893	4.916	4.763	4.866
OFFSET	-7.5	-3.3	-3.935	0	3.3	3.935	7.5	9.432

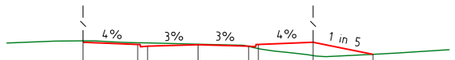
CH 80



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	5.153	4.897	5.01	4.996	4.897	5.01	5.153	4.267
EXISTING SURFACE LEVEL	5.203	5.128	5.142	5.057	4.986	4.972	4.957	4.267
OFFSET	-7.5	-3.3	-3.935	0	3.3	3.935	7.5	8.426

CH 60



DATUM R.L. 1.0

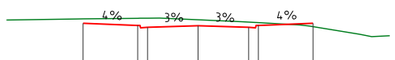
DESIGN SURFACE LEVEL	5.053	4.797	4.91	4.896	4.797	4.91	5.053	4.272
EXISTING SURFACE LEVEL	5.144	5.069	5.074	4.931	4.784	4.841	4.185	4.272
OFFSET	-7.5	-3.3	-3.935	0	3.3	3.935	7.5	11.404

CH 40

DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.921	4.779	4.616	4.892	4.682	4.795	4.988
EXISTING SURFACE LEVEL	4.352	5.09	5.199	5.156	4.998	4.915	4.545
OFFSET	-14.648	-9.833	-9.198	0	6.97	7.605	12.42

CH 60

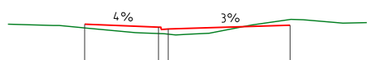


DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.953	4.811	4.838	4.797	4.838	4.811	4.953
EXISTING SURFACE LEVEL	5.241	5.283	5.29	5.186	5.032	4.997	4.737
OFFSET	-7.5	-3.3	-3.935	0	3.3	3.935	7.5

CH 20

ROAD 04



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.892	4.699	4.586	4.824
EXISTING SURFACE LEVEL	4.652	4.284	4.244	5.199
OFFSET	-13.401	-8.586	-7.951	0

CH 40

ROAD 05

DATUM R.L. 0.0

DESIGN SURFACE LEVEL	4.095	4.095	4.095	3.963	4.056	4.249
EXISTING SURFACE LEVEL	4.818	4.773	4.731	4.626	4.596	4.453
OFFSET	-1.881	0	1.724	6.774	7.419	12.224

CH 40

ROAD 07

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
A	05-08-12	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 04, ROAD 05
& ROAD 07

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination
MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088
Postal Address
PO Box 2484
Southport QLD 4215
Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

DESIGNED RB	DRAWN BL
APPROVED	DATE 28-08-12

DRAWING NUMBER 12301-EMAW-319
AMEND. A

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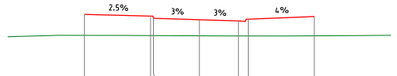
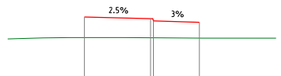


DATUM R.L. 3.0

DESIGN SURFACE LEVEL	7.903	7.795 7.645	7.555	7.479 7.592	7.764	
EXISTING SURFACE LEVEL	6.537	6.52 6.52	6.508	6.498 6.498	6.508	
OFFSET	-7.5	-3.185 -3	0	3.55 3.185	7.5	

CH 20.848



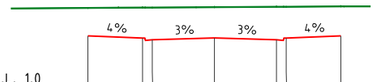
DATUM R.L. 3.0

DESIGN SURFACE LEVEL	7.902	7.794 7.644	7.554
EXISTING SURFACE LEVEL	6.562	6.545 6.545	6.533
OFFSET	-7.5	-3.185 -3	0

CH 20

ROAD 03

ROAD 03



DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.342	4.199 4.086	4.208	4.086 4.199	4.342
EXISTING SURFACE LEVEL	6.165	6.186 6.189	6.21	6.234 6.238	6.259
OFFSET	-8.25	-4.685 -4.05	0	4.05 4.685	8.25

CH 640

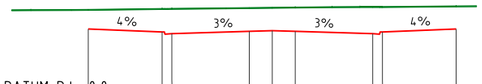
ROAD 13

DATUM R.L. 1.0

DESIGN SURFACE LEVEL	4.722	4.888 4.888 4.748 4.754 4.747 4.747 4.337 4.517	4.517 4.517 4.517 4.517 4.557 4.557	4.866 4.716 4.716 4.537	5.112
EXISTING SURFACE LEVEL	4.864	4.758 4.762 4.754 4.753 4.747 4.337	4.734 4.737 4.733 4.731 4.778	4.54 4.537 4.537	4.489
OFFSET	-10.5	-9.7 -7.501 -4.5 -4.4 -1.96 0	1.96 4.5 4.4 7.501 9.7	13 13.125 13.185	17

CH 40

ROAD 24



DATUM R.L. 0.0

DESIGN SURFACE LEVEL	4.314	4.121 4.008	4.16	4.205	4.008 4.121	4.314
EXISTING SURFACE LEVEL	5.562	5.617 5.624	5.679	5.693	5.708	5.744 5.744	5.783
OFFSET	-12	-7.185 -6.55	-1.5	0	1.5	6.55 7.185	12

CH 40

ROAD 28

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

0 2 4 6 8 10m
Scale 1:200 - A1 (1:400 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	05-08-12
CONSTRUCTION	

PRE	DATE	AMENDMENT
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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

ROAD CROSS SECTIONS
ROAD 03, ROAD 13
ROAD 24 & ROAD 28

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Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

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DRAWING NUMBER 12301-EMAW-320
AMEND. A

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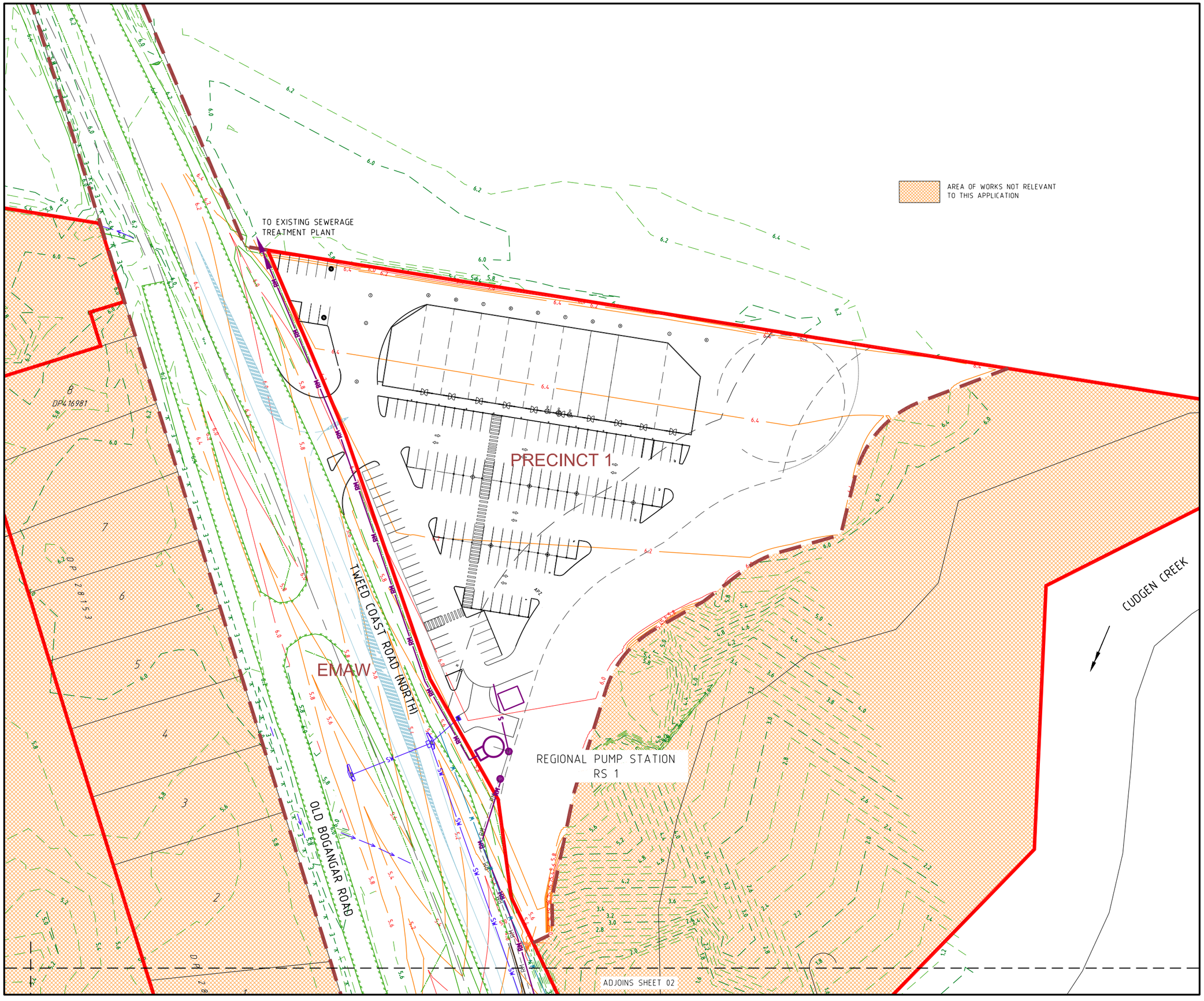

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS
01 & 02, TWEED COAST RD.
INTERSECTION & ESTATE MAJOR
ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446,
Part of Lot 1 on DP781633, Part of Lot 40 on DP7482
& Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28
PTY LTD

NORTH

0 5 10 15 20 25m
Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	08-03-11
CONSTRUCTION	

PRE	DATE	AMENDMENT
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LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

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MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

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DRAWING NUMBER	AMEND.
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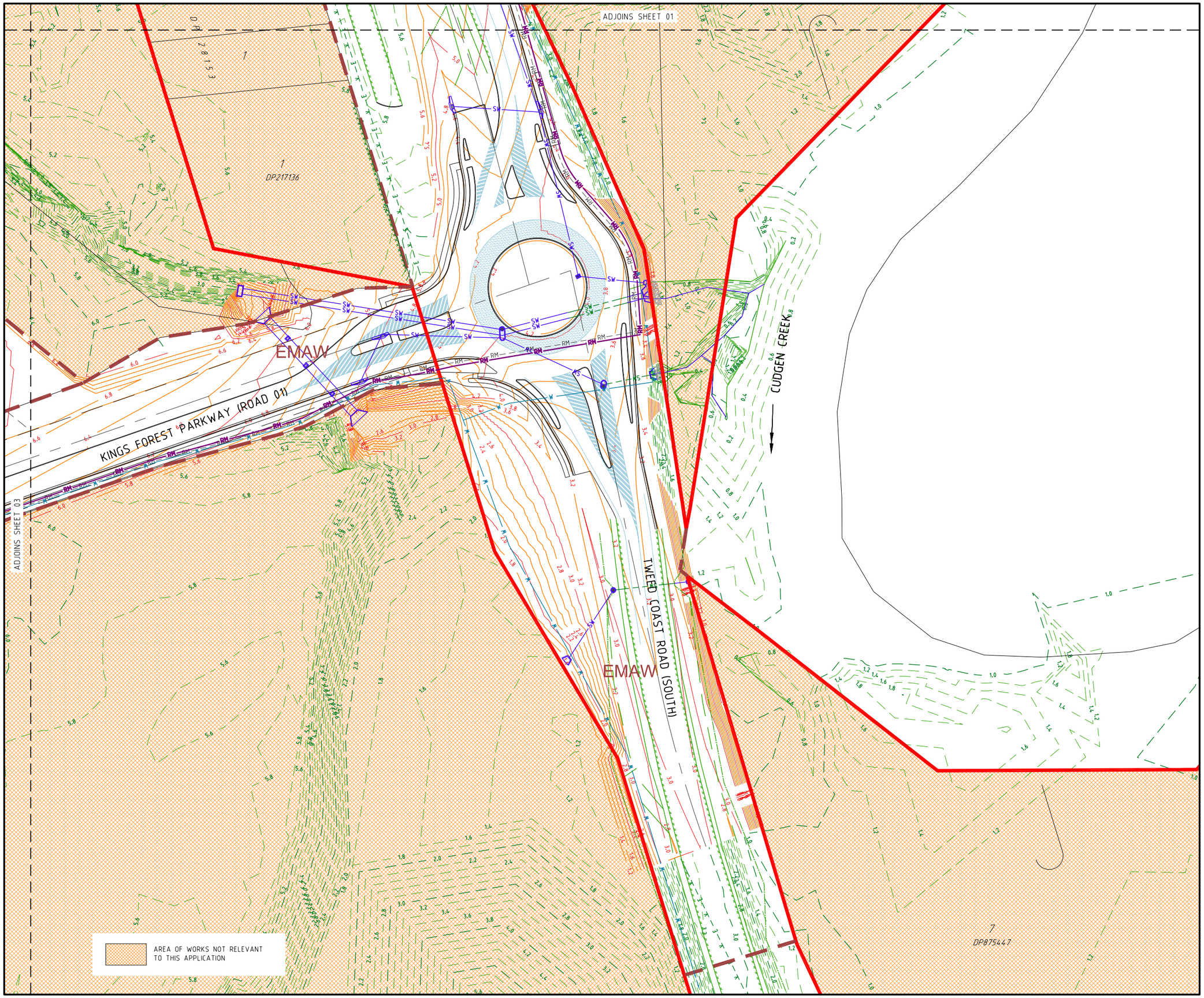

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

NORTH

0 5 10 15 20 25m
Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	
CONSTRUCTION	08-03-11

PRE	DATE	AMENDMENT
C	27-08-12	PPR REVISIONS
B	25-10-11	SEWER REVISED
A	08-03-11	STATE AUTHORITY ISSUE

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LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

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SHEET 02

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

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DRAWING NUMBER	AMEND.
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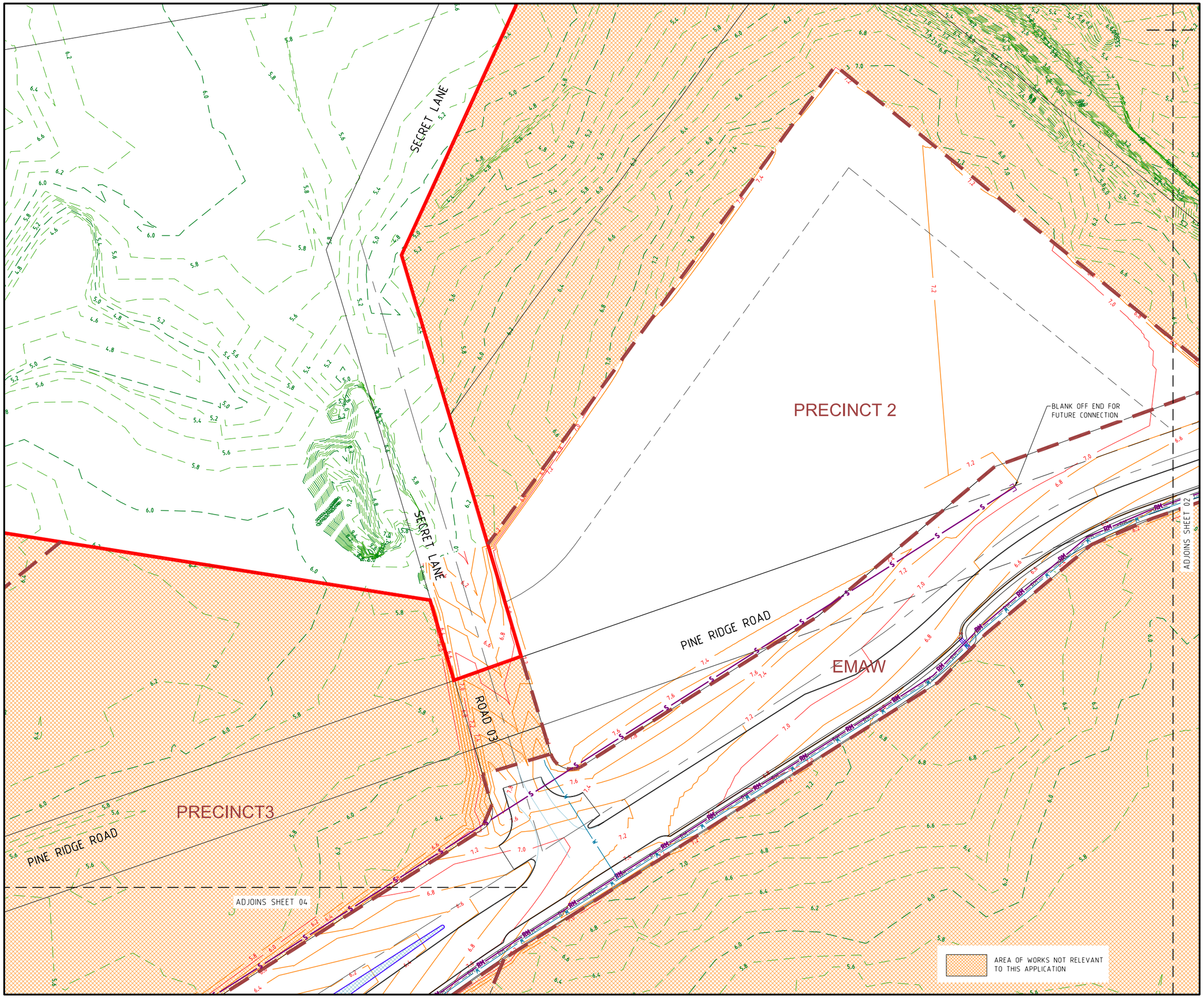

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

NORTH

0 5 10 15 20 25m
Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	08-03-11
CONSTRUCTION	

PRE	DATE	AMENDMENT
C	27-08-12	PPR REVISIONS
B	25-10-11	SEWER REVISED
A	08-03-11	STATE AUTHORITY ISSUE

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LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

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agricultural and environmental scientists

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MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

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DRAWING NUMBER	AMEND.
12301-EMAW-502	C

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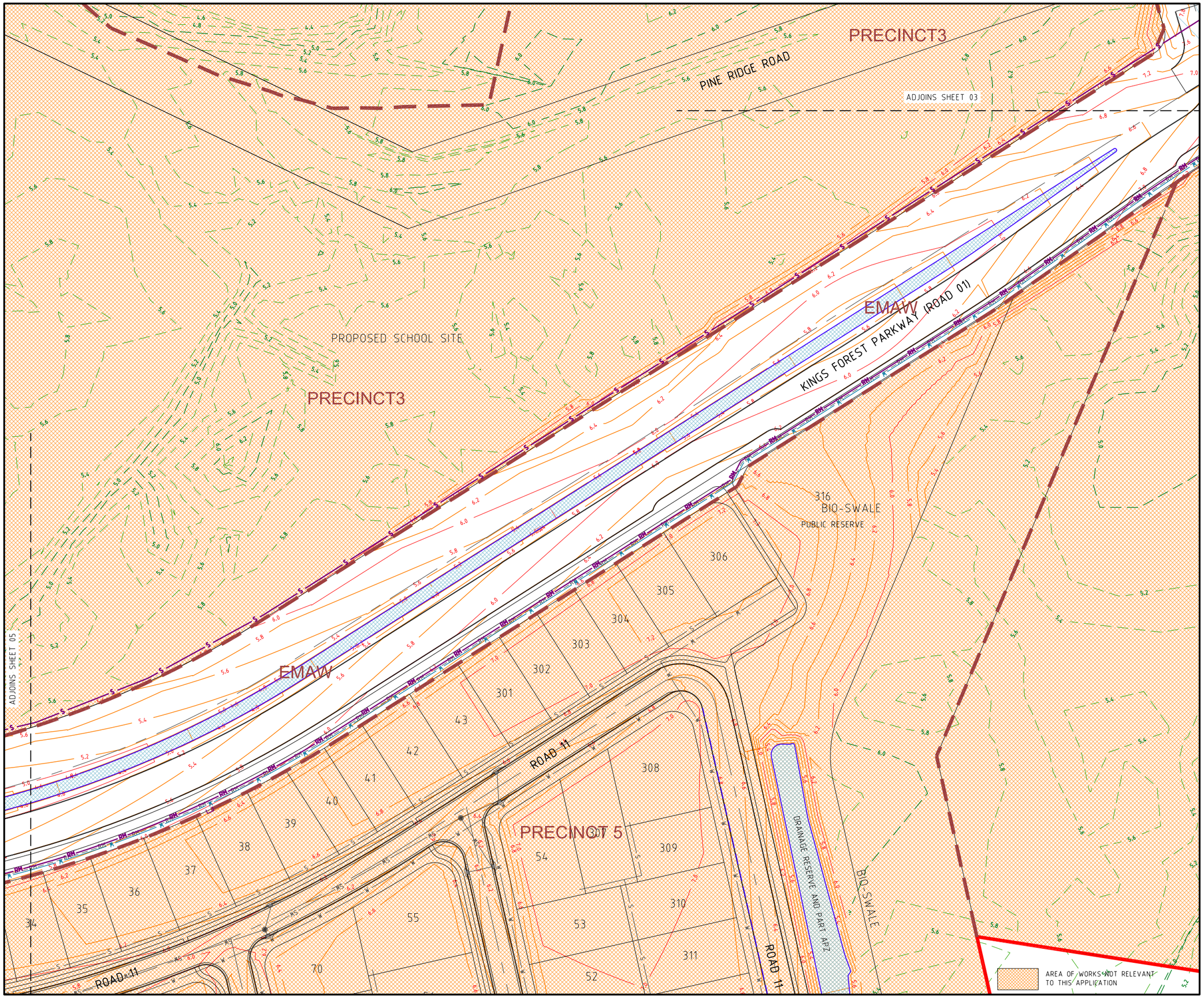

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

NORTH

0 5 10 15 20 25m
Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	08-03-11
CONSTRUCTION	

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TWEED HEADS NSW 2485
Ph. (07) 55367055

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Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
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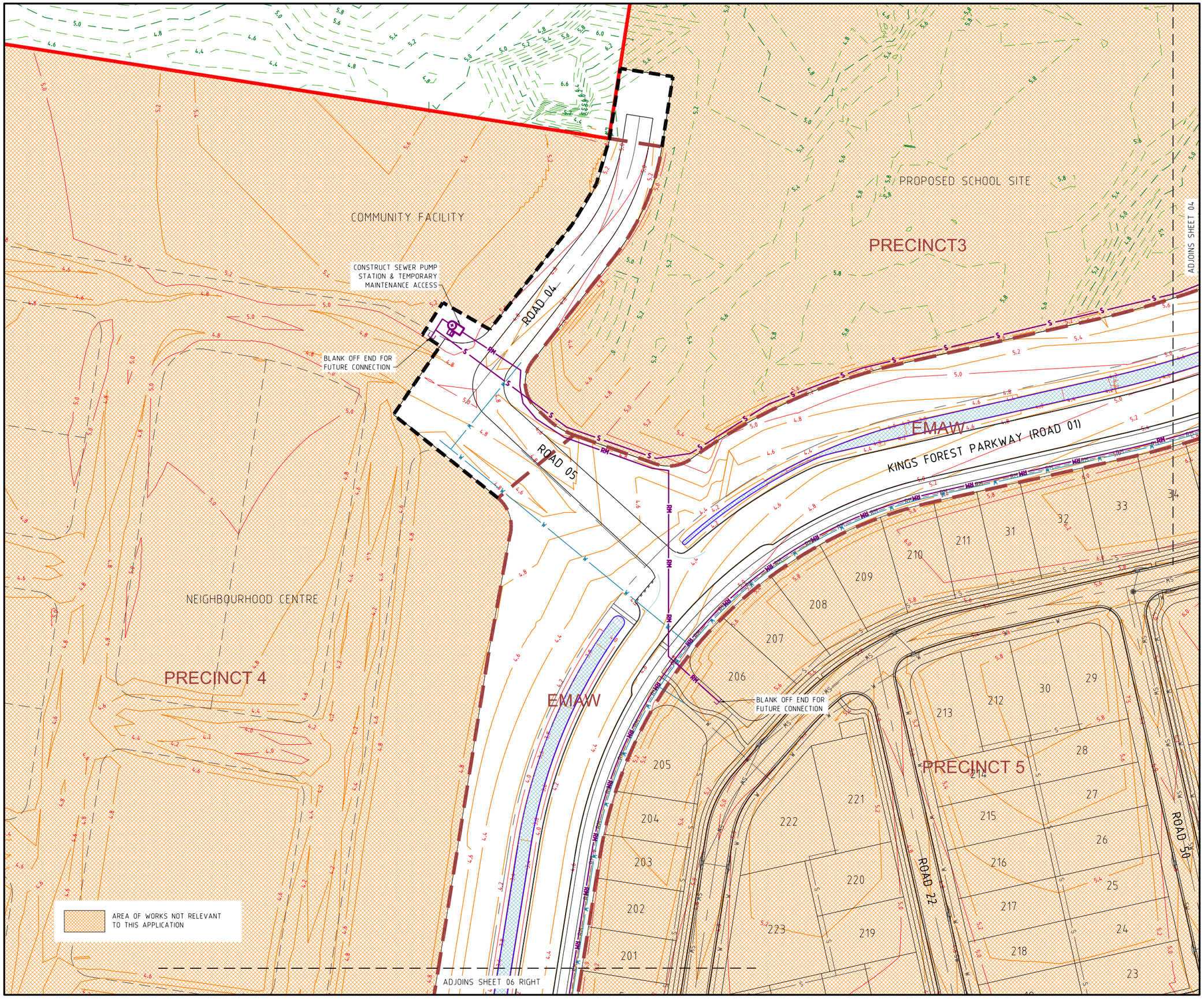

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

NORTH

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Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	08-03-11
CONSTRUCTION	

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Ph. (07) 55367055

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Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN: 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
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DRAWING NUMBER	AMEND.
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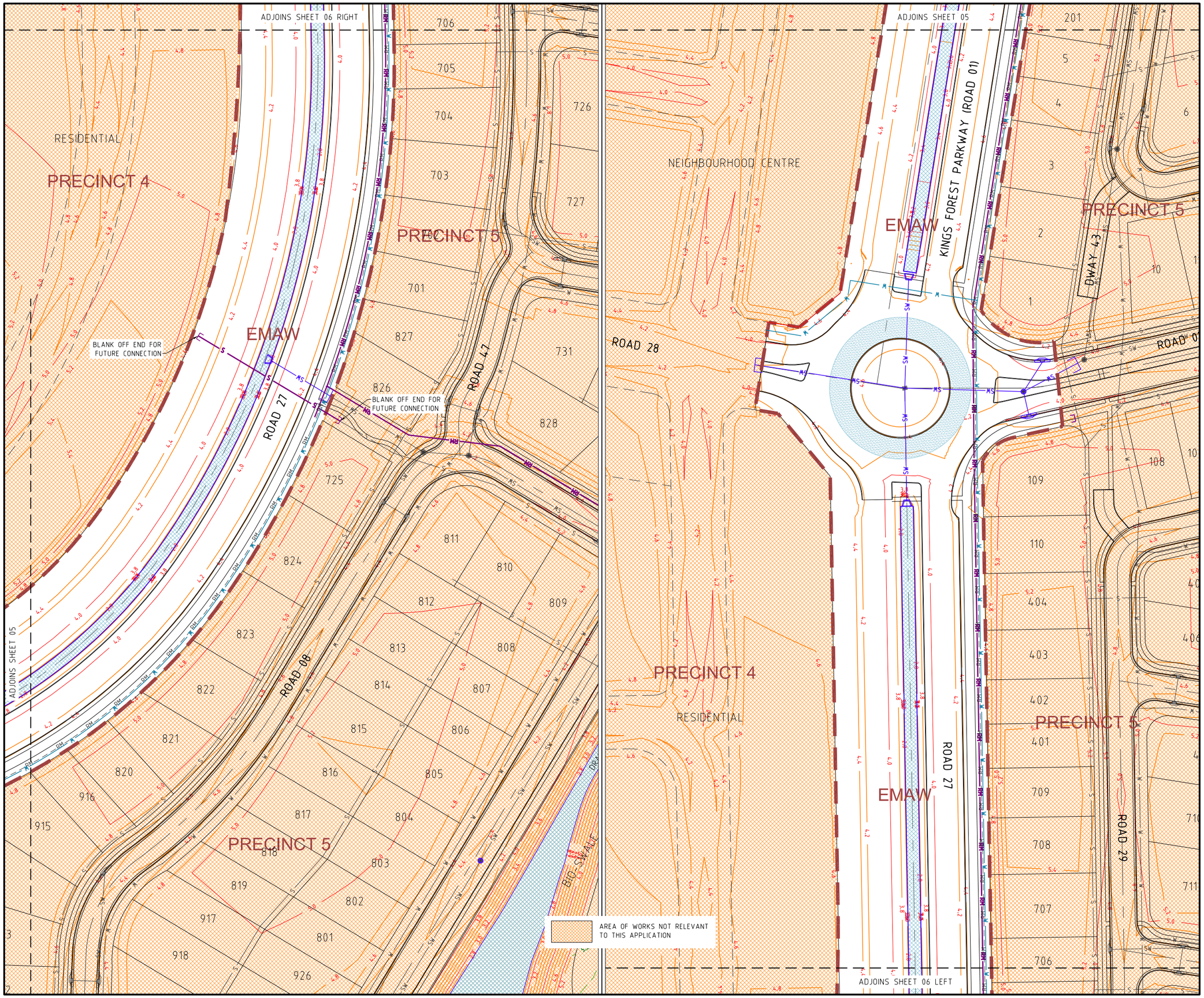

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

NORTH

0 5 10 15 20 25m
Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	08-03-11
CONSTRUCTION	

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Ph. (07) 55367055

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SHEET 06

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Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
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Suite 9, 19 Short St
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APPROVED		DATE	10-12-10

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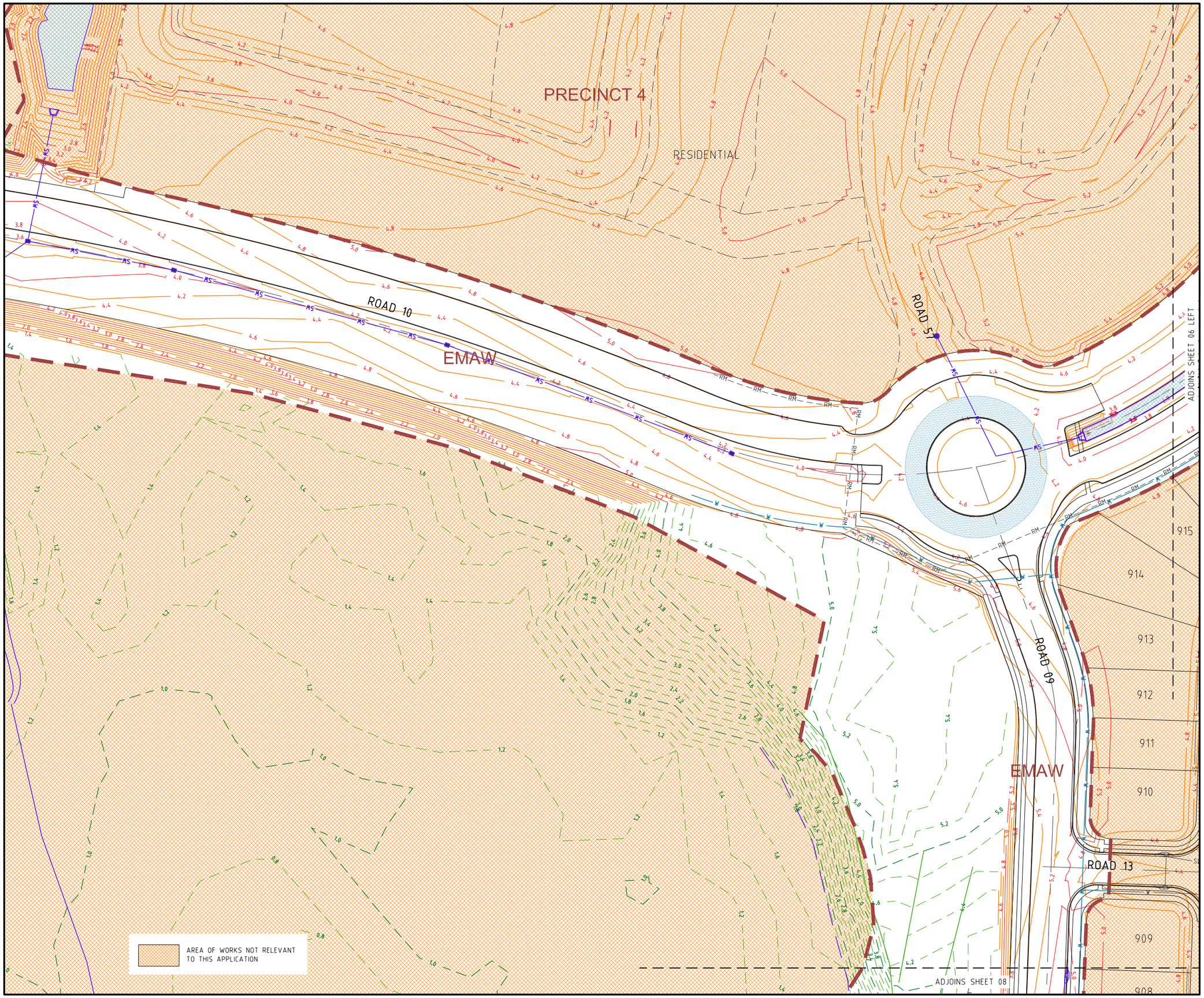

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446,
Part of Lot 1 on DP781633, Part of Lot 40 on DP7482
& Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

NORTH

0 5 10 15 20 25m
Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	08-03-11
CONSTRUCTION	

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LANDSURV Pty. Ltd.
14 Enid St.,
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Ph. (07) 55367055

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agricultural and environmental scientists

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MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As.
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

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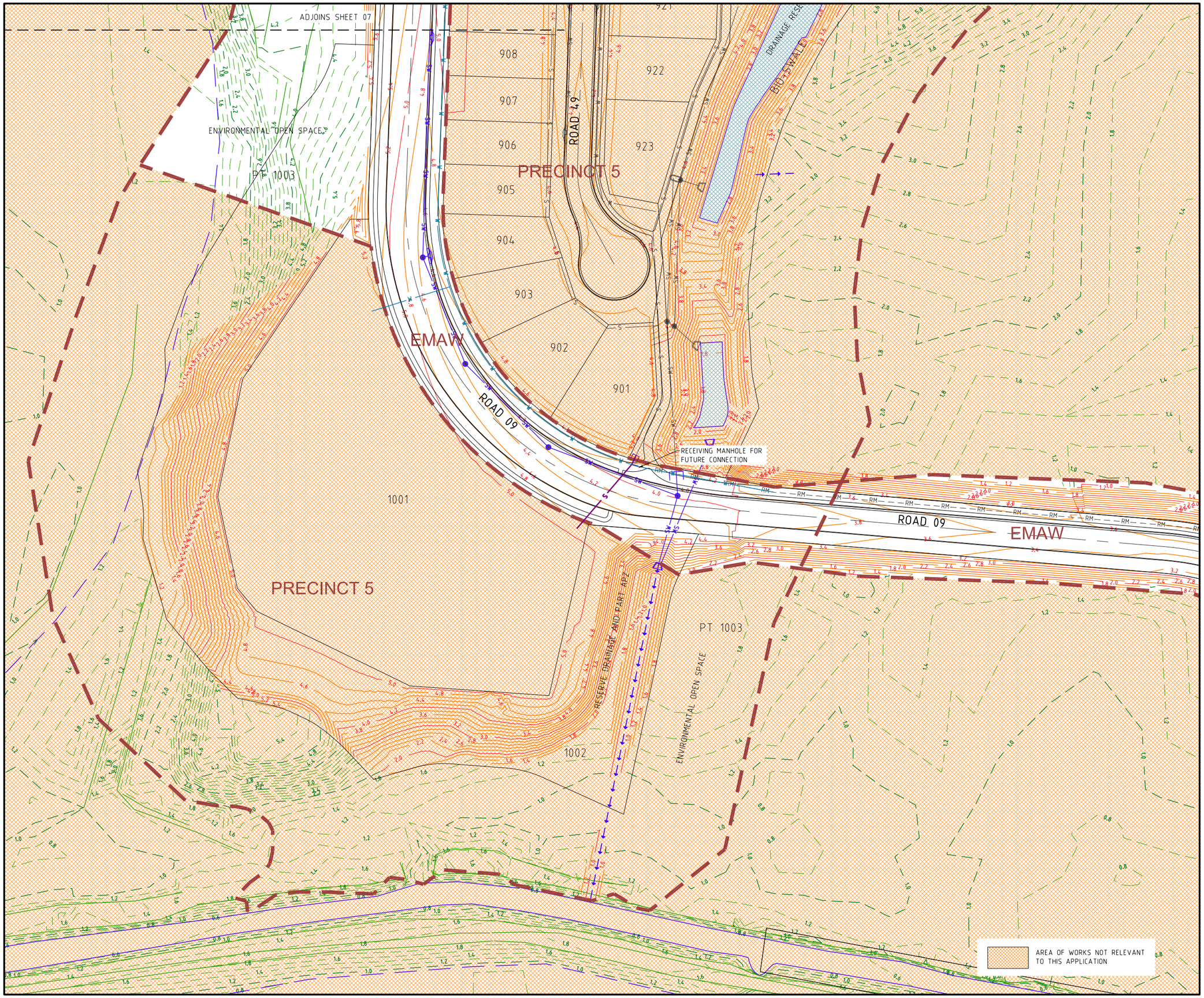

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

NORTH

0 5 10 15 20 25m
Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	08-03-11
CONSTRUCTION	

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LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

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SHEET 08

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
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APPROVED	DATE 10-12-10

DRAWING NUMBER	AMEND.
12301-EMAW-507	B

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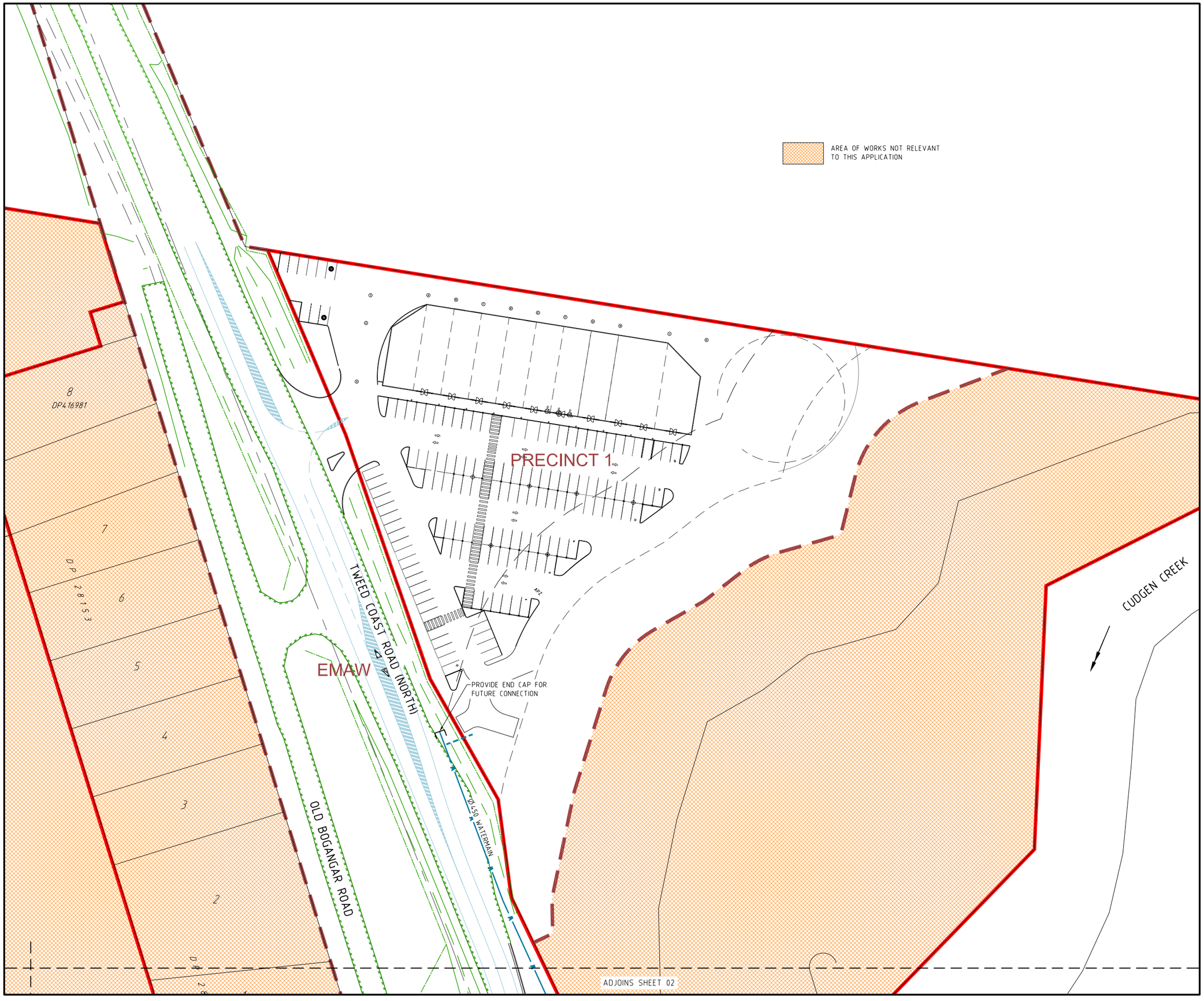

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

REAL PROPERTY DESCRIPTION
Lot 7 on DP875447, Part of Lot 6 on DP875446, Part of Lot 1 on DP781633, Part of Lot 40 on DP7482 & Part of Lot 2 on DP819015
PARISH OF CUDGEN
COUNTY OF ROUS

CLIENT

PROJECT 28 PTY LTD

NORTH

0 5 10 15 20 25m
Scale 1:500 - A1 (1:1000 - A3)

ISSUES	DATE
TENDER	
STATE AUTHORITY	08-03-11
CONSTRUCTION	

PRE	DATE	AMENDMENT
B	27-08-12	PPR REVISIONS
A	08-03-11	STATE AUTHORITY ISSUE

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ASSOCIATED CONSULTANTS

LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

DRAWING TITLE

WATER RETICULATION PLAN
SHEET 01

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065

mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

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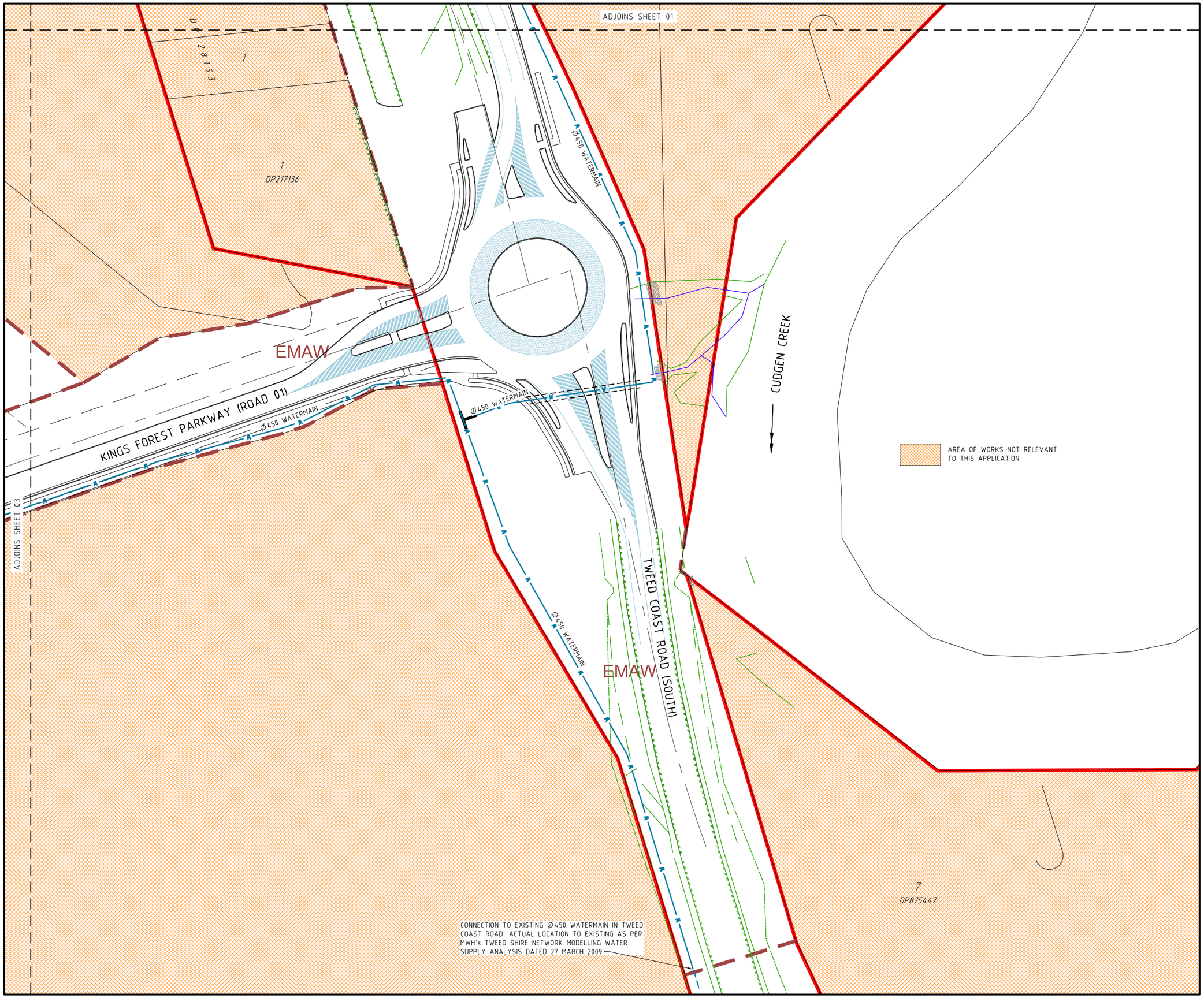

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

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CONSTRUCTION	

PRE	DATE	AMENDMENT
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LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

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WATER RETICULATION PLAN
SHEET 02

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

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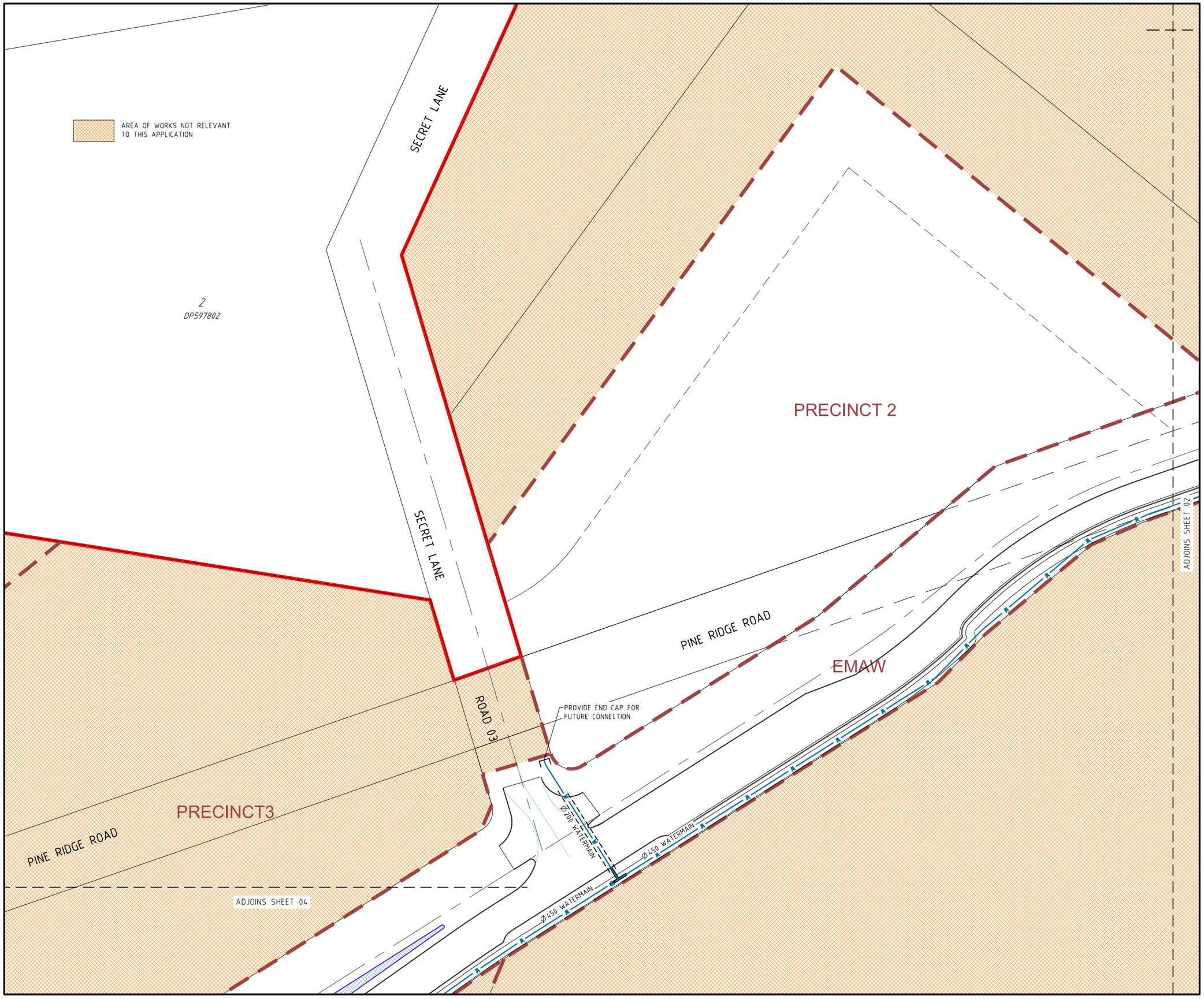

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

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LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

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MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065

Postal Address
PO Box 2484
Southport QLD 4215

mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

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12301-EMAW-702	B

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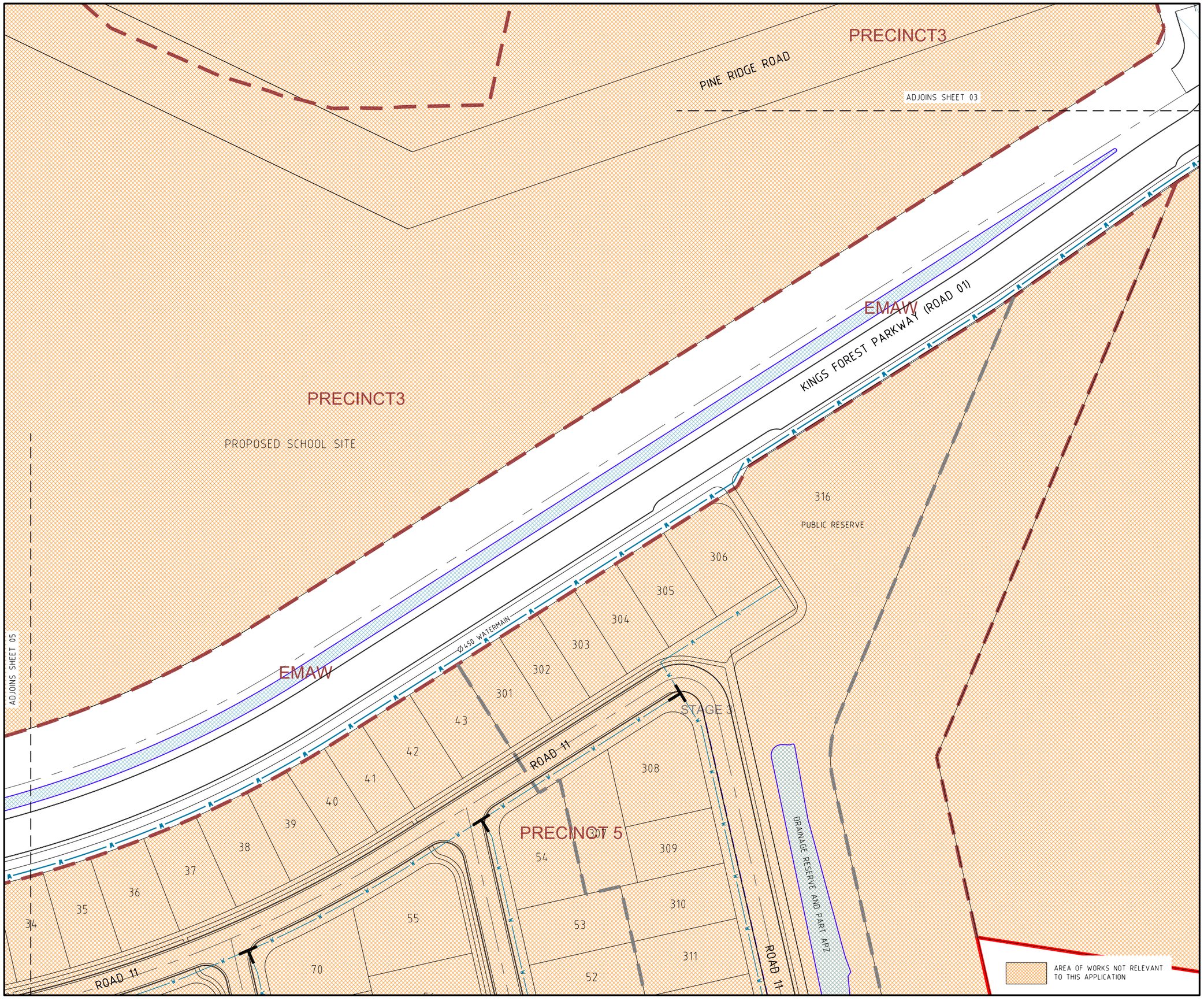

PROJECT NAME

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LANDSURV Pty. Ltd.
14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

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SHEET 04

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
Suite 9, 19 Short St
Southport QLD 4215

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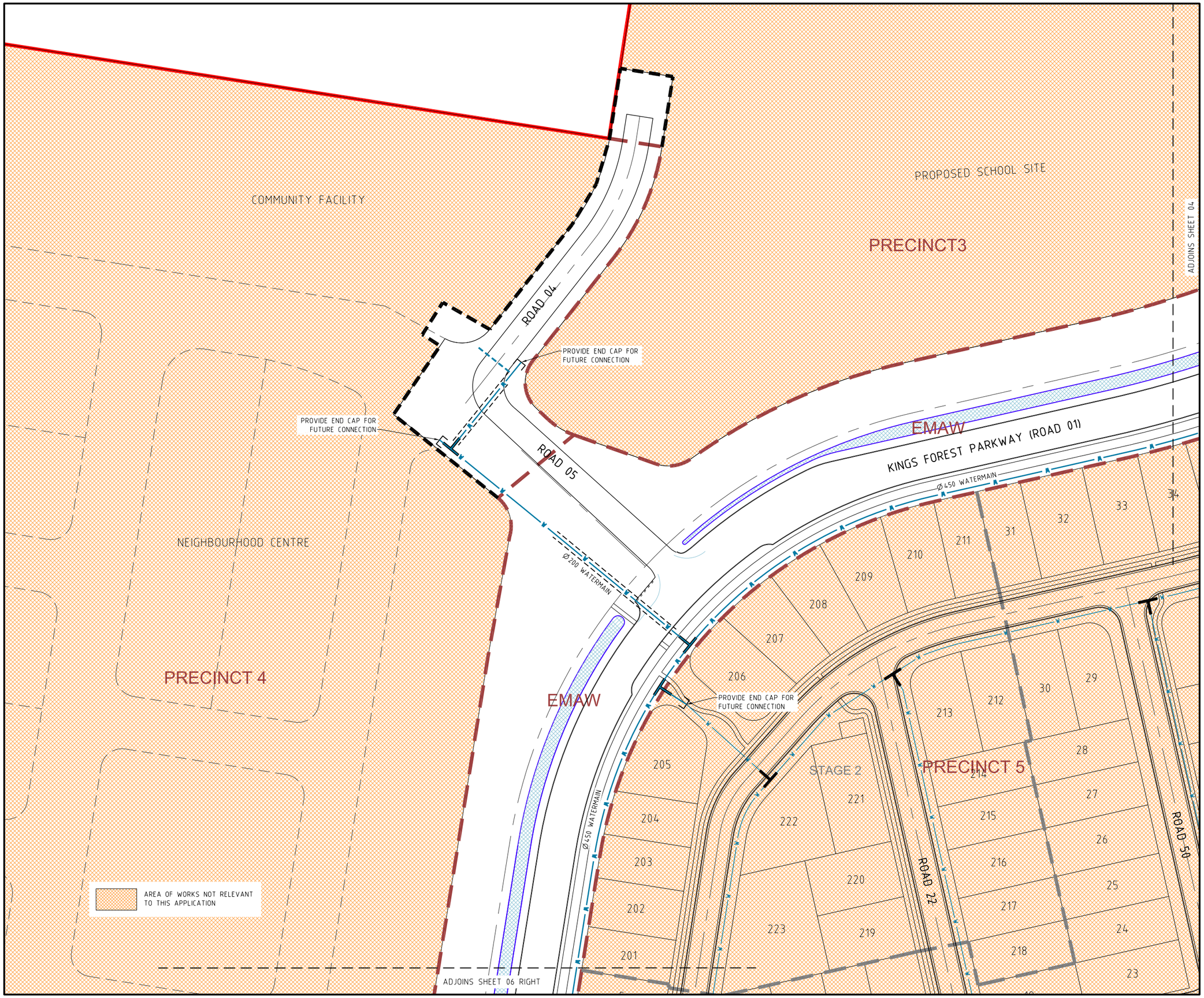

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Ph. (07) 55367055

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agricultural and environmental scientists

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SHEET 05

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination
MUS Pty Ltd T/As
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088
Postal Address
PO Box 2484
Southport QLD 4215
Gold Coast Office
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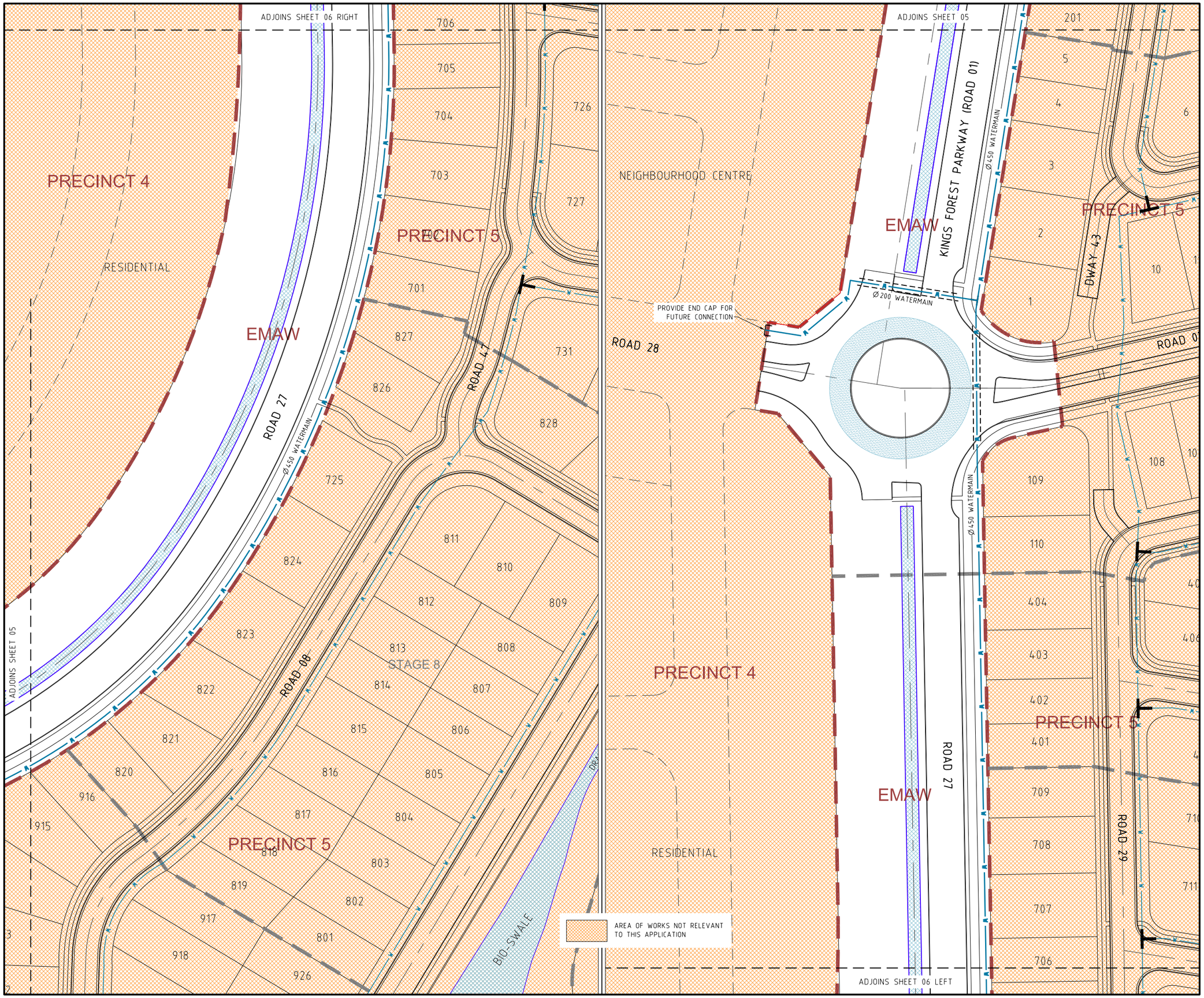

PROJECT NAME

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agricultural and environmental scientists

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Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As.
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
Southport QLD 4215

Gold Coast Office
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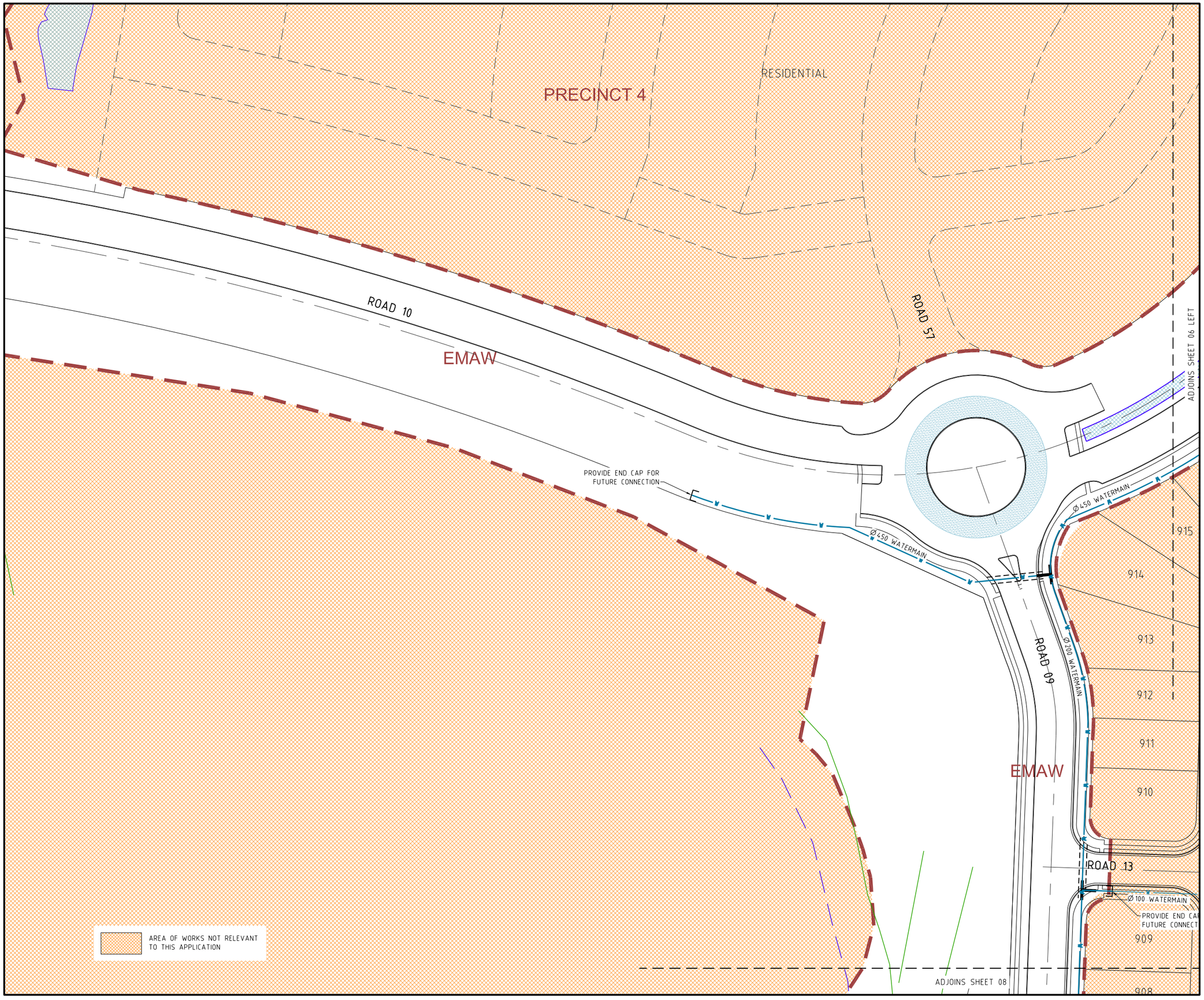

PROJECT NAME

KINGS FOREST

BULK EARTHWORKS PRECINCTS 01 & 02, TWEED COAST RD. INTERSECTION & ESTATE MAJOR ACCESS WORKS

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PROJECT 28 PTY LTD

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ISSUES	DATE	
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14 Enid St.,
TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

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MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As:
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
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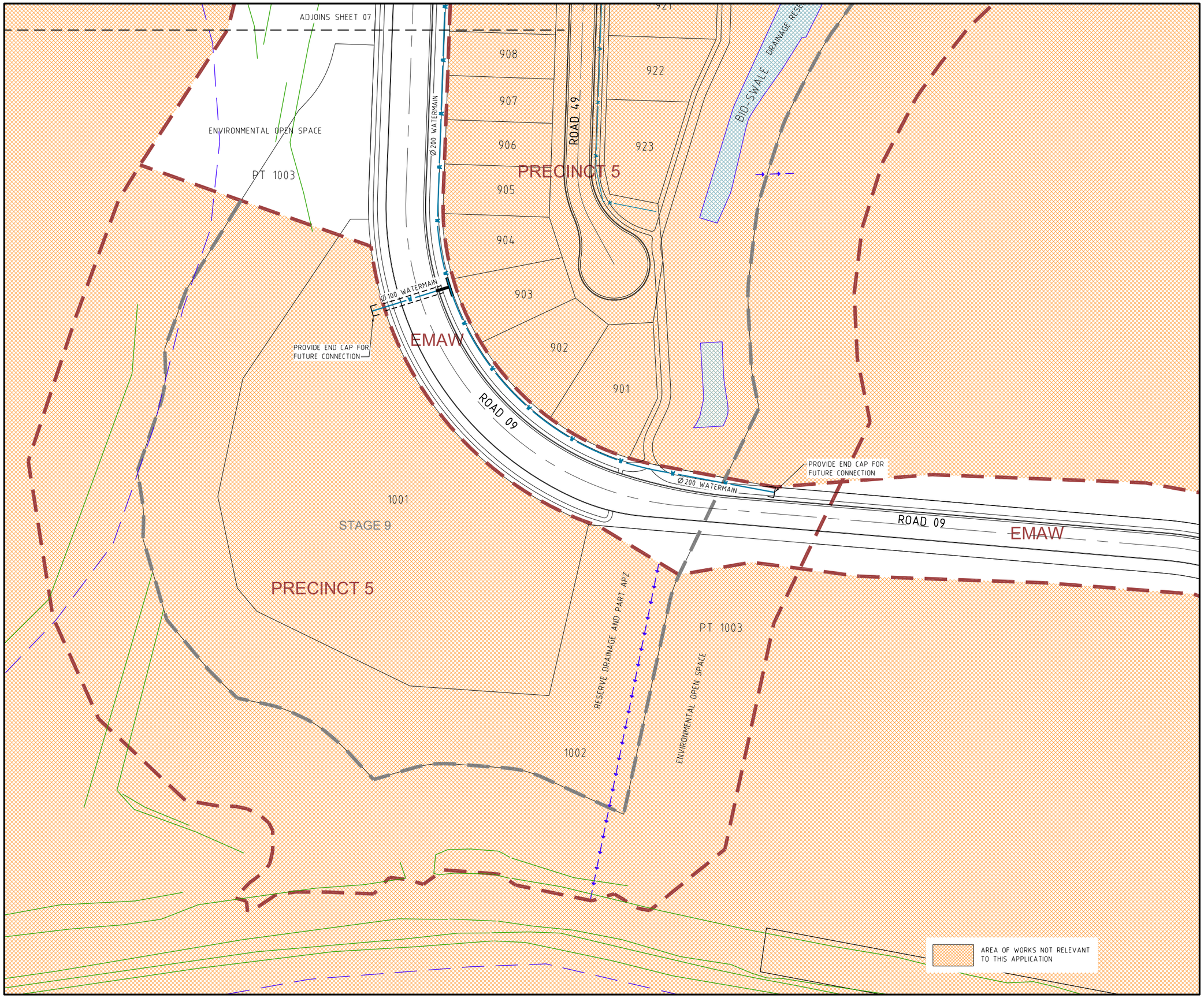

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TWEED HEADS NSW 2485
Ph. (07) 55367055

GILBERT+SUTHERLAND
agricultural and environmental scientists

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SHEET 08

MORTONS urbansolutions
Urban & Regional Planning
Civil Engineering
Project Coordination

MUS Pty Ltd T/As.
Mortons-Urban Solutions
ABN 39 116 375 065
mortons@urbansolutions.net.au
www.urbansolutions.net.au
Tel 07 5571 1099
Fax 07 5571 1088

Postal Address
PO Box 2484
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