

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

17 JUN 2014

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SCHEDULE OF DRAWINGS	
DRAWING No.	DESCRIPTION
BULK EARTHWORKS	
CAR-CV-DWG-0000	BULK EARTHWORKS COVER SHEET
CAR-CV-DWG-0001	BULK EARTHWORKS DRAWING SCHEDULE & SITE LAYOUT PLAN
CAR-CV-DWG-0002	BULK EARTHWORKS EXISTING FEATURES LAYOUT PLAN SHEET 1 OF 2
CAR-CV-DWG-0003	BULK EARTHWORKS EXISTING FEATURES LAYOUT PLAN SHEET 2 OF 2
CAR-CV-DWG-0004	BULK EARTHWORKS CONTROL LINE LAYOUT PLAN SHEET 1 OF 2
CAR-CV-DWG-0005	BULK EARTHWORKS CONTROL LINE LAYOUT PLAN SHEET 2 OF 2
CAR-CV-DWG-0006	BULK EARTHWORKS CONTROL LINE SETOUT DETAILS
CAR-CV-DWG-0007	BULK EARTHWORKS EROSION & SEDIMENT CONTROL LEGEND, KEY PLAN & TYPICAL DETAILS
CAR-CV-DWG-0008	BULK EARTHWORKS EROSION & SEDIMENT CONTROL GENERAL NOTES
CAR-CV-DWG-0009	BULK EARTHWORKS EROSION & SEDIMENT CONTROL PHASE 1 LAYOUT PLAN SHEET 1 OF 2
CAR-CV-DWG-0010	BULK EARTHWORKS EROSION & SEDIMENT CONTROL PHASE 1 LAYOUT PLAN SHEET 2 OF 2
CAR-CV-DWG-0011	BULK EARTHWORKS EROSION & SEDIMENT CONTROL PHASE 2 LAYOUT PLAN SHEET 1 OF 2
CAR-CV-DWG-0012	BULK EARTHWORKS EROSION & SEDIMENT CONTROL PHASE 2 LAYOUT PLAN SHEET 2 OF 2
CAR-CV-DWG-0020	BULK EARTHWORKS LEGEND, KEY PLAN & GENERAL NOTES
CAR-CV-DWG-0021	BULK EARTHWORKS LAYOUT PLAN SHEET 1 OF 6
CAR-CV-DWG-0022	BULK EARTHWORKS LAYOUT PLAN SHEET 2 OF 6
CAR-CV-DWG-0023	BULK EARTHWORKS LAYOUT PLAN SHEET 3 OF 6
CAR-CV-DWG-0024	BULK EARTHWORKS LAYOUT PLAN SHEET 4 OF 6
CAR-CV-DWG-0025	BULK EARTHWORKS LAYOUT PLAN SHEET 5 OF 6
CAR-CV-DWG-0026	BULK EARTHWORKS LAYOUT PLAN SHEET 6 OF 6
CAR-CV-DWG-0027	BULK EARTHWORKS BIO-RETENTION BASINS EARTHWORKS SETOUT SHEET 1 OF 2
CAR-CV-DWG-0028	BULK EARTHWORKS BIO-RETENTION BASINS EARTHWORKS SETOUT SHEET 2 OF 2
CAR-CV-DWG-0031	BULK EARTHWORKS CUT & FILL LAYOUT PLAN SHEET 1 OF 2
CAR-CV-DWG-0032	BULK EARTHWORKS CUT & FILL LAYOUT PLAN SHEET 2 OF 2
CAR-CV-DWG-0033	BULK EARTHWORKS SITE SECTIONS SHEET 1 OF 4
CAR-CV-DWG-0034	BULK EARTHWORKS SITE SECTIONS SHEET 2 OF 4
CAR-CV-DWG-0035	BULK EARTHWORKS SITE SECTIONS SHEET 3 OF 4
CAR-CV-DWG-0036	BULK EARTHWORKS SITE SECTIONS SHEET 4 OF 4
CAR-CV-DWG-0037	BULK EARTHWORKS ROAD TYPICAL CROSS SECTIONS SHEET 1 OF 2
CAR-CV-DWG-0038	BULK EARTHWORKS ROAD TYPICAL CROSS SECTIONS SHEET 2 OF 2
CAR-CV-DWG-0039	NOT USED
CAR-CV-DWG-0040	BULK EARTHWORKS ROAD LONGITUDINAL SECTION HOSPITAL BOULEVARD SHEET 1 OF 2
CAR-CV-DWG-0041	BULK EARTHWORKS ROAD LONGITUDINAL SECTION HOSPITAL BOULEVARD SHEET 2 OF 2
CAR-CV-DWG-0042	BULK EARTHWORKS ROAD LONGITUDINAL SECTION MAIN STREET
CAR-CV-DWG-0043	BULK EARTHWORKS ROAD LONGITUDINAL SECTION INNOVATION DRIVE
CAR-CV-DWG-0044	BULK EARTHWORKS ROAD LONGITUDINAL SECTION FIRST STREET SHEET 1 OF 2
CAR-CV-DWG-0045	BULK EARTHWORKS ROAD LONGITUDINAL SECTION FIRST STREET SHEET 2 OF 2
CAR-CV-DWG-0046	BULK EARTHWORKS ROAD LONGITUDINAL SECTION FIRST AVENUE & SECOND STREET
CAR-CV-DWG-0047	BULK EARTHWORKS ROAD LONGITUDINAL SECTION THIRD AVENUE & FOURTH AVENUE
CAR-CV-DWG-0048	BULK EARTHWORKS ROAD LONGITUDINAL SECTION HEALTH STREET & FIFTH AVENUE



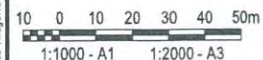
Rev	Date	Description	Des	Verif	Appd
A	15/05/2014	FOR APPROVAL	GT	SK	RB



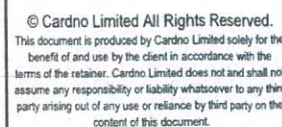
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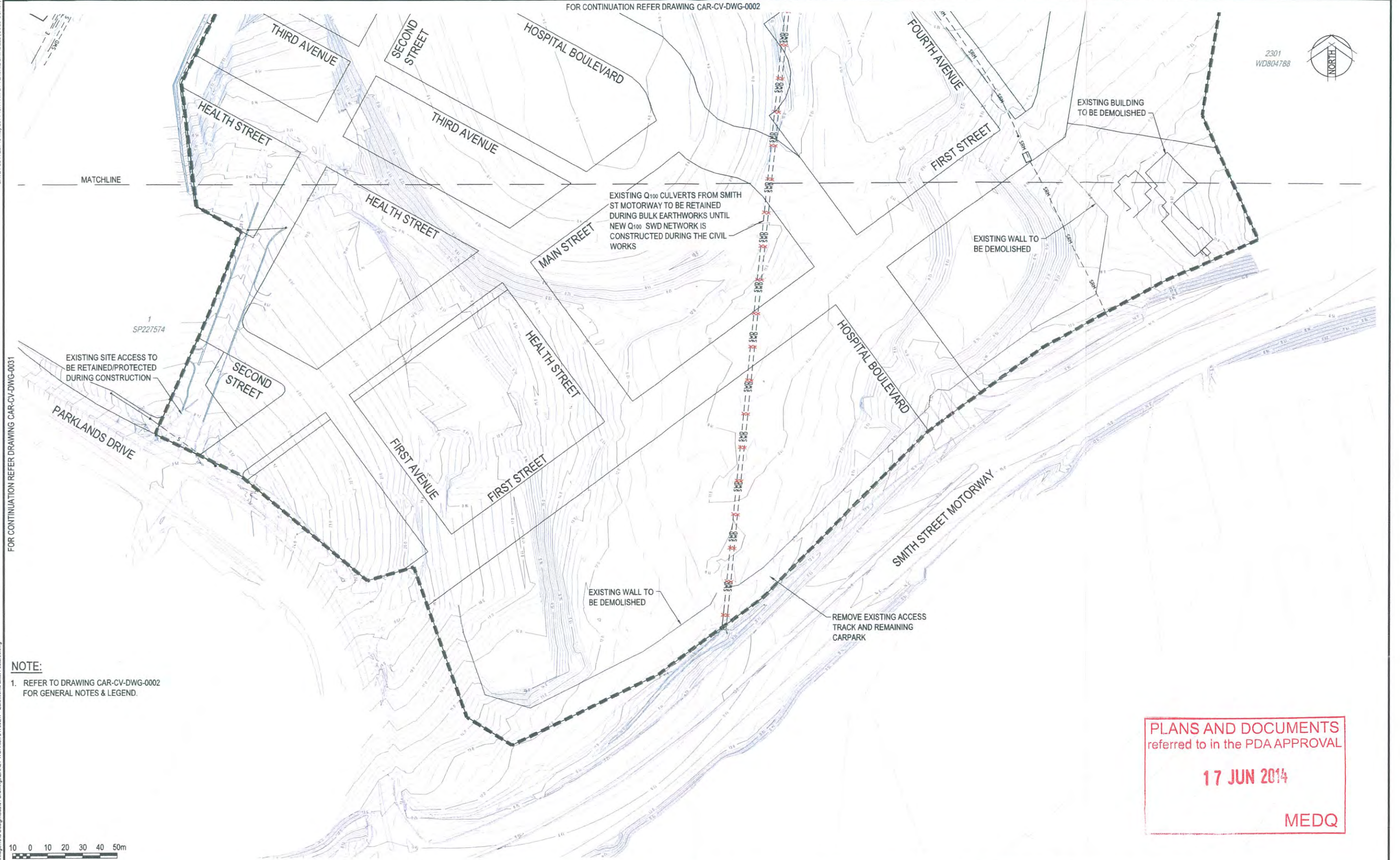
Drawn LB	Date 15/05/2014	Client GROCON (PARKLANDS) PTY LTD
Checked SK	Date 15/05/2014	Project PARKLANDS EARLY WORKS
Designed GT	Date 15/05/2014	Title BULK EARTHWORKS
Verified SK	Date 15/05/2014	Drawing Number CAR-CV-DWG-0001
Approved RPE 7067 15/5		Revision A
DRAWING SCHEDULE & SITE LAYOUT PLAN		Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
		Scale A1



FOR CONTINUATION REFER DRAWING CAR-CV-DWG-0003



Drawn LB	Date 15/05/2014	Client GROCON (PARKLANDS) PTY LTD		
Checked SK	Date 15/05/2014	Project PARKLANDS EARLY WORKS	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSE	
Designed GT	Date 15/05/2014	Title BULK EARTHWORKS EXISTING FEATURES LAYOUT PLAN SHEET 1 OF 2		Scale 1:1000
Verified SK	Date 15/05/2014			Size A1
Approved <i>53</i> <i>RPE 7067 15/5</i>			Drawing Number CAR-CV-DWG-0002	Revision A



FOR CONTINUATION REFER DRAWING CAR-CV-DWG-0031

XREF: X 721785W - Base X 721785W - A1 Title Sheet X 721785W - External Box X 721785W - Conts Edit X 721785W - Survey
CAD File: P 721785 Commonwealth Games Village/100 Design/Cad01 Drawings/EARLY WORKS/721785W - Earthworks Eial Features.dwg

- NOTE:**
1. REFER TO DRAWING CAR-CV-DWG-0002 FOR GENERAL NOTES & LEGEND.

PLANS AND DOCUMENTS
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1:1000 - A1 1:2000 - A3

Rev	Date	Description	Des	Verif	Appd
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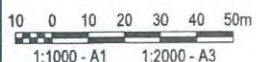
Cardno (Qld) Pty Ltd | ABN 57 051 074 992
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1/3321 Central Place, Carrara QLD 4211
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Drawn LB	Date 15/05/2014	Client GROCON (PARKLANDS) PTY LTD
Checked SK	Date 15/05/2014	Project PARKLANDS EARLY WORKS
Designed GT	Date 15/05/2014	Title BULK EARTHWORKS EXISTING FEATURES LAYOUT PLAN SHEET 2 OF 2
Verified SK	Date 15/05/2014	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
Approved BREC 7067 15/5		Drawing Number CAR-CV-DWG-0003
		Scale 1:1000
		Size A1
		Revision A

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REFER TO DRAWING CAR-CV-DWG-0006
FOR SETOUT TABLES.

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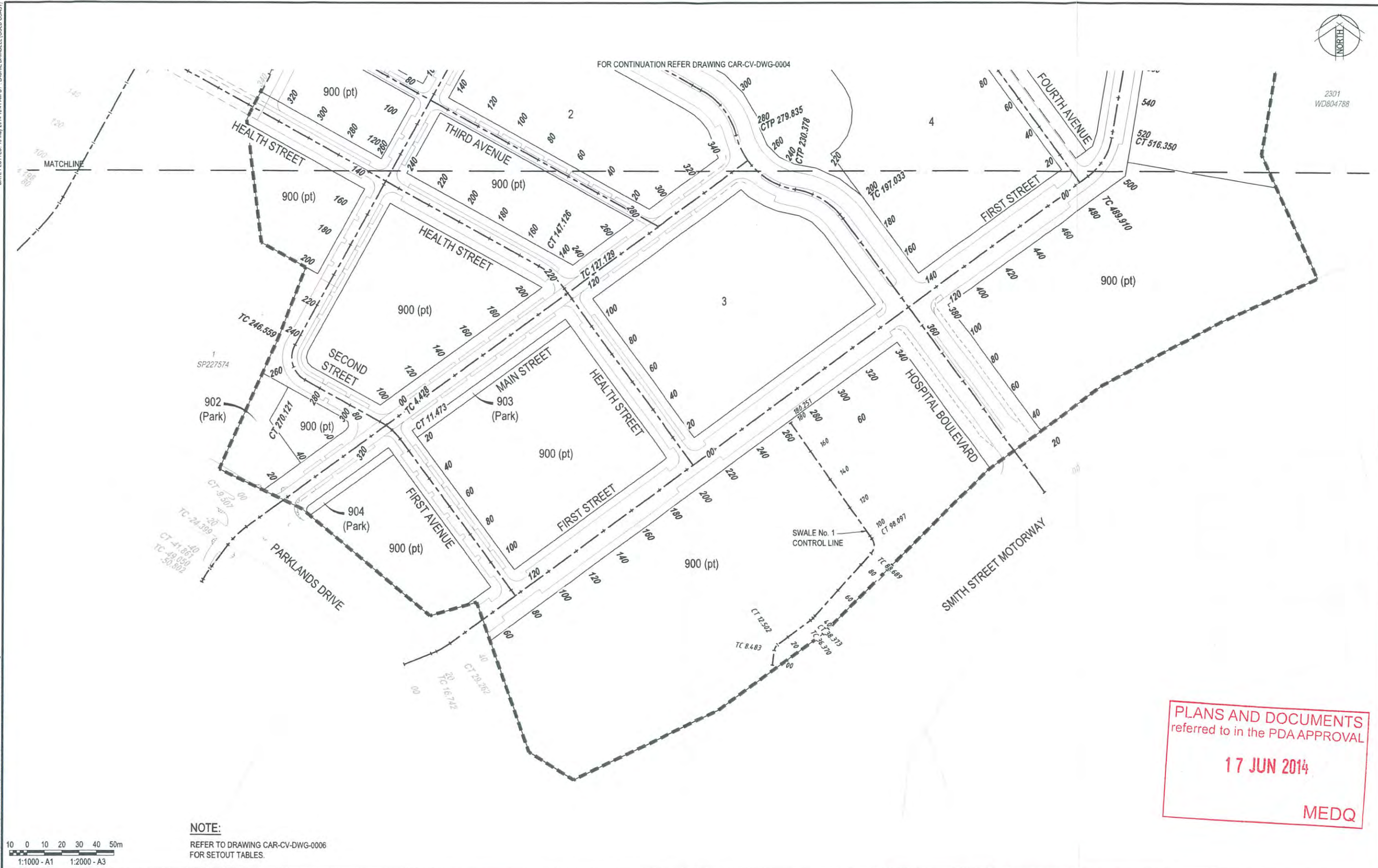


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Designed GT	Date 15/05/2014	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES						
Verified SK	Date 15/05/2014							
Approved 		<table border="1"> <tr> <td></td> <td>Scale 1:1000</td> <td>Size A1</td> </tr> <tr> <td>Drawing Number CAR-CV-DWG-0004</td> <td colspan="2">Revision A</td> </tr> </table>		Scale 1:1000	Size A1	Drawing Number CAR-CV-DWG-0004	Revision A	
	Scale 1:1000	Size A1						
Drawing Number CAR-CV-DWG-0004	Revision A							
Title BULK EARTHWORKS CONTROL LINE LAYOUT PLAN SHEET 1 OF 2								

DATE PLOTTED: 15 May 2014 10:41 AM BY: LAURIE BRIDGELL (GOLD COAST)

REF: X_721785EV - A1 Title Sheet: X_721785EV - External Boys
CAD File: P1371785 Commonwealth Games Village 10/0 Design/Cad/01 Drawings/EARLY WORKS/721785EV - Road Control Lines.dwg



NOTE:
REFER TO DRAWING CAR-CV-DWG-0006
FOR SETOUT TABLES.

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Drawn LB	Date 15/05/2014	Client GROCON (PARKLANDS) PTY LTD
Checked SK	Date 15/05/2014	Project PARKLANDS EARLY WORKS
Designed GT	Date 15/05/2014	Title BULK EARTHWORKS CONTROL LINE LAYOUT PLAN SHEET 2 OF 2
Verified SK	Date 15/05/2014	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
Approved <i>R.P. 1667</i>		Scale 1:1000
		Size A1
		Drawing Number CAR-CV-DWG-0005
		Revision A

HOSPITAL BOULEVARD - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	538279.187	6906850.287	15.322	323°50'41.01"			
TC	197.033	538162.942	6907009.375	10.778	323°50'41.01"			
IP2	213.705	538152.566	6907023.577	10.694		-42.4	33.345	45°03'35.41"
CC	230.378	538135.183	6907026.263	10.611	278°47'05.59"			
IP3	255.106	538107.537	6907030.535	10.487		42.4	49.457	66°49'53.90"
CC	279.835	538100.588	6907057.633	10.285	345°36'59.49"			
IP4	297.107	538096.043	6907075.355	10.115		-42.4	34.544	46°40'46.99"
CT	314.379	538080.032	6907084.207	9.944	298°56'12.50"			
TC	430.213	537978.659	6907140.252	8.801	298°56'12.50"			
IP5	449.106	537961.811	6907149.568	8.718		80	37.786	27°03'43.69"
CT	467.999	537951.045	6907165.528	8.831	325°59'56.19"			
TC	599.293	537877.624	6907274.375	10.777	325°59'56.19"			
IP6	629.368	537859.966	6907300.553	12.214		-80	60.151	43°04'46.77"
IP7	659.443	537829.188	6907307.613	13.809				
IP8	678.303	537810.799	6907311.831	14.811		603.493	37.719	3°34'51.92"
IP9	697.163	537792.711	6907317.189	15.932				
IP10	733.605	537757.77	6907327.539	18.516				
IP11	763.342	537729.394	6907336.438		287°24'43.30"			

MAIN STREET - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	-50.802	537789.953	6906797.97		28°37'23.75"			
TC	-49.05	537790.792	6906799.508		28°37'23.75"			
IP2	-45.456	537792.517	6906802.668			50.5	7.189	8°09'22.61"
CT	-41.861	537794.672	6906805.552		36°46'46.36"			
TC	-24.399	537805.128	6906819.539		36°46'46.36"			
IP3	-16.953	537809.619	6906825.547			50	14.892	17°03'54.65"
CT	-9.507	537815.676	6906829.973		53°50'41.01"			
IP4	351.826	538107.424	6907043.15	10.441	53°50'41.01"			

INNOVATION DRIVE - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	537652.075	6906959.516		44°42'17.64"			
TC	62.2	537695.83	6907003.725		44°42'17.64"			
IP2	73.199	537703.616	6907011.592			-80	21.998	15°45'17.64"
CT	84.198	537708.974	6907021.277		28°56'60.00"			
TC	360.819	537842.871	6907263.332	10.87	28°56'60.00"			
IP3	370.011	537847.341	6907271.411	11.046		80	18.385	13°10'03.05"
CT	379.204	537853.533	6907278.26	11.27	42°07'03.05"			
IP4	394.804	537863.995	6907289.832	11.719	42°07'03.05"			

FIRST STREET - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	537907.198	6906750.465		68°11'29.49"			
TC	16.742	537922.742	6906756.685	20.575	68°11'29.49"			
IP2	23.002	537928.585	6906759.022	20.583		-50	12.52	14°20'48.51"
CT	29.262	537933.666	6906762.735	20.439	53°50'40.98"			
TC	489.19	538305.021	6907034.081	14.201	53°50'40.98"			
IP3	502.77	538316.571	6907042.521	14.05		-35	27.16	44°27'40.59"
CT	516.35	538318.903	6907056.635	13.826	9°23'00.39"			
IP4	770.09	538360.273	6907306.98	12.426	9°23'00.39"			

SECOND STREET - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	537963.038	6907151.541	8.718	208°56'12.50"			
TC	246.559	537843.742	6906935.765	20.94	208°56'12.50"			
IP2	258.34	537836.485	6906922.637	21.179		-15	23.562	89°59'60.00"
CT	270.121	537849.612	6906915.38	21.313	118°56'12.50"			
IP3	324.077	537896.832	6906889.273	21.324	118°56'12.50"			

HEALTH STREET - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	538075.154	6906866.119	12.272	323°50'41.01"			
TC	127.129	538000.151	6906968.766	15.296	323°50'41.01"			
IP2	137.128	537994.157	6906976.969	15.441		-46	19.997	24°54'28.50"
CT	147.126	537985.266	6906981.884	15.629	298°56'12.50"			
IP3	407.962	537756.995	6907108.088		298°56'12.50"			

FIRST AVENUE - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	537896.832	6906889.273	21.325	130°23'19.07"			
TC	4.428	537900.205	6906886.404	21.137	130°23'19.07"			
IP2	7.95	537902.9	6906884.111	21.212		30	7.046	13°27'21.93"
CT	11.473	537904.988	6906881.253	21.282	143°50'41.01"			
IP3	124.086	537971.427	6906790.327	17.726	143°50'41.01"			

SECOND AVENUE - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	538054.925	6907004.79	12.163	298°56'12.50"			
IP2	310.702	537783.013	6907155.121		298°56'12.50"			

THIRD AVENUE - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	538054.925	6907004.79	12.435	298°56'12.50"			
IP2	310.702	537783.013	6907155.121		298°56'12.50"			

FOURTH AVENUE - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	538299.957	6907030.381	14.192	323°50'41.01"			
IP2	126.127	538225.546	6907132.219	10.55	323°50'41.01"			

FIFTH AVENUE - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	538340.71	6907188.594		279°22'10.05"			
TC	2.014	538338.723	6907188.922	11.775	279°22'10.05"			
IP2	9.86	538330.546	6907190.271	11.56		-19.75	15.692	45°31'29.04"
CT	17.707	538323.855	6907185.382	11.464	233°50'41.01"			
IP3	128.449	538234.44	6907120.047	10.911	233°50'41.01"			

SWALE No. 1 - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	538121.027	6906750.022	12	7°32'33.00"			
TC	8.483	538122.14	6906758.432	11.965	7°32'33.00"			
IP2	10.492	538122.419	6906760.539	11.956		5	4.019	46°03'07.94"
CT	12.502	538124.129	6906761.8	11.948	53°35'40.94"			
TC	36.37	538143.339	6906775.966	11.849	53°35'40.94"			
IP3	37.372	538144.148	6906776.562	11.845		-10	2.003	11°28'43.31"
CT	38.373	538144.822	6906777.308	11.84	42°06'57.62"			
TC	88.689	538178.566	6906814.631	11.631	42°06'57.62"			
IP4	93.393	538182.3	6906818.762	11.611		-7	9.408	77°00'19.88"
CT	98.097	538179.115	6906823.33	11.592	325°06'37.74"			
IP5	180.251	538132.123	6906890.717	11.25	325°06'37.74"			

SWALE No. 2 - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	538078.73	6907127.432	7.3	325°52'28.78"			
TC	17.017	538069.183	6907141.519	7.207	325°52'28.78"			
IP2	28.49	538062.019	6907152.09	7.144		-21	22.946	62°36'14.17"
CC	39.963	538049.338	6907150.594	7.081	263°16'14.61"			
IP3	43.523	538045.052	6907150.088	7.061		5	7.121	81°35'42.96"
CT	47.083	538043.926	6907154.254	7.042	344°51'57.56"			
TC	62.155	538039.991	6907168.803	6.959	344°51'57.56"			
IP4	72.297	538036.849	6907180.42	6.903		-15	20.284	77°28'47.60"
CT	82.439	538024.827	6907179.871	6.848	267°23'09.97"			
TC	106.311	538000.98	6907178.782	6.717	267°23'09.97"			
IP5	118.977	537984.479	6907178.029	6.647		15.5	25.333	93°38'35.27"
CT	131.643	537984.776	6907194.544	6.578	1°01'45.24"			
TC	142.414	537984.969	6907205.313	6.519	1°01'45.24"			
IP6	155.615	537985.225	6907219.545	6.446		-28.5	26.402	53°04'43.38"
CT	168.817	537974.001	6907228.299	6.374	307°57'01.86"			
TC	203.976	537946.276	6907249.921	6.181	307°57'01.86"			
IP7	221.844	537929.169	6907263.263	6.083		25	35.736	81°54'05.52"
CT	239.712	537939.968	6907282.079	5.985	29°51'07.38"			
IP8	262.875	537951.498	6907302.169	5.858	29°51'07.38"			

SWALE No. 3 - CONTROL LINE SETOUT TABLE

Pt	Chainage	Easting	Northing	Level	Bearing	Rad/Spiral	A.Length	D.Angle
IP1	0	537922.665	6907309.366	5.954	108°30'06.78"			
TC	11.137	537933.227	6907305.832	5.922	108°30'06.78"			
IP2	26.237	537950.318	6907300.113	5.879		-22	30.199	78°38'59.39"
CT	41.337	537959.289	6907315.744	5.836	29°51'07.38"			
TC	80.422	537978.744	6907349.643	5.725	29°51'07.38"			
IP3	88.279	537983.725	6907358.322	5.703		10	15.714	90°02'11.32"
CT	96.136	537992.4	6907353.336	5.68	119°53'18.71"			
IP4	159.647	538047.464	6907321.687	5.5	119°53'18.71"			

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Drawn LB Date 15/05/2014 Client GROCON (PARKLANDS) PTY LTD

Checked SK Date 15/05/2014 Project PARKLANDS
Designed GT Date 1

PHASE 1 TABLES

TABLE 2 - SEDIMENT BASIN DETAILS

BASIN ID	BASIN LENGTH (m)	BASIN WIDTH (m)	SETTLING VOLUME (m ³)	SEDIMENT STORAGE (m ³)	TOTAL VOLUME (m ³)
A	19	6	106	10	116
B	18	6	85	20	105
C	22	7	132	30	162
D	113	38	3800	480	4280
E	15	5	63	10	73
F	66	22	1315	160	1475

SEDIMENT BASIN LENGTHS AND WIDTHS BASED ON:

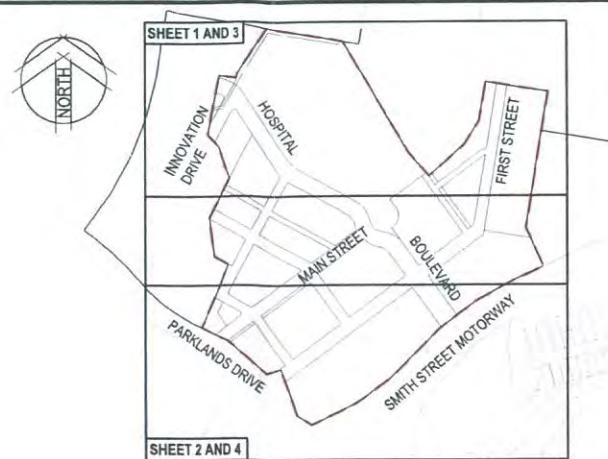
- RECOMMENDED 3:1 LENGTH TO WIDTH RATIO;

- BASIN DEPTH OF 1.0m ADOPTED FOR COMBINED SETTLING AND STORAGE VOLUME.

SEDIMENT STORAGE VOLUME BASED ON REGENERATION OF AVAILABLE STORAGE AFTER 2 MONTHS.

EMERGENCY SPILLWAY WEIR LENGTHS BASED ON CONVEYING THE 20 YEAR ARI PEAK DISCHARGE, FOR THE CONTRIBUTING CATCHMENT AREA, WITH A MAXIMUM DEPTH OVER THE WEIR OF 0.2m

REFER TO IECA STD DWG SD-SB-01, SD-SB-05 AND SD-SB-06 FOR TYPICAL TYPE F/D SEDIMENT BASIN DETAILS.



PHASE 2 TABLES

TABLE 2 - SEDIMENT BASIN DETAILS

BASIN ID	BASIN LENGTH (m)	BASIN WIDTH (m)	SETTLING VOLUME (m ³)	SEDIMENT STORAGE (m ³)	TOTAL VOLUME (m ³)
1	112	37	3745	470	4215
2	29	10	260	30	290
3	68	23	1410	130	1540

SEDIMENT BASIN LENGTHS AND WIDTHS BASED ON:

- RECOMMENDED 3:1 LENGTH TO WIDTH RATIO;

- BASIN DEPTH OF 1.0m ADOPTED FOR COMBINED SETTLING AND STORAGE VOLUME.

SEDIMENT STORAGE VOLUME BASED ON REGENERATION OF AVAILABLE STORAGE AFTER 2 MONTHS.

EMERGENCY SPILLWAY WEIR LENGTHS BASED ON CONVEYING THE 20 YEAR ARI PEAK DISCHARGE, FOR THE CONTRIBUTING CATCHMENT AREA, WITH A MAXIMUM DEPTH OVER THE WEIR OF 0.2m

REFER TO IECA STD DWG SD-SB-01, SD-SB-05 AND SD-SB-06 FOR TYPICAL TYPE F/D SEDIMENT BASIN DETAILS.

LEGEND - EROSION AND SEDIMENT CONTROL

---	SITE BOUNDARY
---	CATCHMENT BOUNDARY
B 0.40ha	CATCHMENT ID AND AREA
▨	SITE COMPOUND
▨	AREA OF CUT
▨	AREA OF FILL
---	EARTHWORKS INTERFACE
---	EXISTING CONTOUR (0.5m INTERVAL)
---	FINISHED CONTOUR (0.25m INTERVAL)
→ → →	CLEAN WATER DIVERSION DRAIN. REFER NOTES 17, 18 & 20 (REFER IECA STD DWG No. SD-DC-01))
→ → →	DIRTY WATER CATCH DRAIN REFER NOTES 19, 20 & 21
---	SEDIMENT FENCE (REFER IECA STD DWG SD-SF-01 AND SD-SF-02)

	TEMPORARY ROCK LINED BATTER CHUTE (REFER IECA STD DWG CH-01, CH-02 AND CH-06)
→	FLOW DIRECTION
■	CHECK DAM (REFER IECA STD DWG No. SD-RCD-01.)
▨	ROCK PAD CONSTRUCTION ENTRY/EXIT (REFER IECA STD DWG No. SD-EXIT-01 AND SD-EXIT-02.) LOCATION IN ACCORDANCE WITH HYDER LEASE & ACCESS PLAN, DRAWING No. K026.
▨	SEDIMENT BASIN AND EMERGENCY SPILLWAY LOCATION (FINAL LOCATION TO BE DETERMINED ON-SITE) (REFER TABLE ABOVE FOR DETAILS)
U	FILTER SOCK INLET PROTECTION (REFER IECA STD DWG No. SD-FS-01)
▨	DESIGNATED STOCKPILE LOCATION (INDICATIVE ONLY, IF REQUIRED)
---	FLOW CONTROL BERM/BUND (REFER DETAIL SD-CB-01 FOR TYPICAL DETAILS).
---	EXISTING SEWER MAIN
---	EXISTING Ø960 SEWER RISING MAIN
---	EXISTING STORMWATER
---	EXISTING STORMWATER TO BE REMOVED

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

17 JUN 2014

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Drawn LB	Date 15/05/2014	Client GROCON (PARKLANDS) PTY LTD
Checked SK	Date 15/05/2014	Project PARKLANDS EARLY WORKS
Designed GT	Date 15/05/2014	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
Verified SK	Date 15/05/2014	Title BULK EARTHWORKS EROSION & SEDIMENT CONTROL LEGEND, KEY PLAN & TYPICAL DETAILS
Approved RPS 7/6/14		Scale A1
		Revision A
		Drawing Number CAR-CV-DWG-0007

NOTES - EROSION CONTROL

1. THE EROSION AND SEDIMENT CONTROL MEASURES IMPLEMENTED ON SITE SHOULD BE UTILISED IN ACCORDANCE WITH THE INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) AUSTRALASIA BEST PRACTICE EROSION AND SEDIMENT CONTROL (NOVEMBER 2008) GUIDELINES, AND WITH DETAILS SHOWN ON THE STANDARD DRAWINGS NOTED.
2. PUBLIC AND WORKPLACE SAFETY ISSUES MUST BE CONSIDERED AND MONITORED FOR EACH DEVICE TO THE SATISFACTION OF LOCAL AUTHORITIES AND INDUSTRY STANDARDS.
3. WHERE PRACTICAL ALL AREAS OF THE SITE NOT SUBJECT TO EROSION, CONTAMINATION OR DISTURBANCE MUST HAVE PROVISION FOR ALL RUN-OFF TO BE DIVERTED AWAY FROM THE NOMINATED EROSION CONTROL MEASURES AND FACILITIES, IN A MANNER, WHICH DOES NOT CAUSE SCOURING, OR EROSION.
4. WHERE INDICATED CONTAMINATED RUN-OFF MUST BE DIRECTED TOWARDS A TEMPORARY SEDIMENT CONTROL DEVICE DURING BOTH THE BULK EARTHWORKS PHASE AND CIVIL WORKS PHASE UNTIL 80% OF THE CONTRIBUTING SITE IS ADEQUATELY STABILISED.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES INSTALLED DURING BULK EARTHWORKS ARE TO BE MAINTAINED IN EFFECTIVE OPERATIONAL CONDITION UNTIL THE SITE IS ADEQUATELY STABILISED. THIS INCLUDES MONITORING, REPAIRS AND CLEANING OUT AT REGULAR INTERVALS, AFTER STORM EVENTS, DISTURBANCE BY CONSTRUCTION AND AS DIRECTED BY SUPERINTENDENT ON SITE. THESE STRUCTURES MUST NOT BE ALLOWED TO ACCUMULATE SEDIMENT VOLUMES IN EXCESS OF FORTY PER CENT (40%) SEDIMENT STORAGE DESIGN CAPACITY. WHERE SEDIMENTATION BASINS ARE USED A MARKER SHALL BE PLACED WITHIN THE BASIN TO SHOW THE LEVEL ABOVE WHICH THE DESIGN CAPACITY OCCURS. MATERIALS REMOVED FROM SEDIMENT RETENTION DEVICES MUST BE DISPOSED OF IN A MANNER APPROVED BY THE CONSENT AUTHORITY THAT DOES NOT CAUSE POLLUTION.
6. ALL DISTURBED SURFACES TO BE EITHER SEALED OR VEGETATED TO THE LANDSCAPE ARCHITECTS REQUIREMENTS WITHIN TWO WEEKS OF COMPLETION OF SITE WORKS.
7. ACCESS TO THE SITE MUST BE RESTRICTED TO A 15 METRE LONG BY 3 METRE WIDE STABILISED CONSTRUCTION ENTRANCE. A ROCK PAD SHALL BE PROVIDED TO HELP SHAKE MUD FROM VEHICLE TYRES. THE NUMBER OF CONSTRUCTION ACCESS POINTS TO BE LIMITED.
8. ANY DIRT/MATERIALS SPILT OR TRACKED ONTO COUNCIL OR OTHER EXTERNAL ROADS IS TO BE BROOMED UP AND COLLECTED - NOT WASHED INTO STORMWATER DRAINS.
9. THE CONTRACTOR SHALL ENSURE THE STABILISED SITE ACCESS IS MAINTAINED AND CLEANED OUT REGULARLY AND AS DIRECTED BY THE SUPERINTENDENT ON SITE.
10. DEWATERING OF SEDIMENT BASINS IS REQUIRED WITHIN 5 DAYS OF RAINFALL EVENTS. RUN-OFF RETAINED WITHIN THE SEDIMENT BASINS IS NOT TO BE RELEASED TO THE RECEIVING ENVIRONMENT UNTIL THE SUSPENDED SOLIDS CONCENTRATIONS ARE LESS THAN 50 MILLIGRAMS PER LITRE AND THE pH OF THE WATER WITHIN THE BASIN IS WITHIN THE 6.5-8.5 RANGE. TESTING OF SUSPENDED SOLIDS AND pH WITHIN ANY TEMPORARY SEDIMENT BASIN IS TO OCCUR PRIOR TO ANY CONTROLLED DISCHARGES. DOSING WITH A FLOCCULANT, SUCH AS LIME OR GYPSUM, MAY BE REQUIRED TO REACH ACCEPTABLE LEVELS OF pH AND SUSPENDED SOLIDS.
11. DURING CONSTRUCTION, STOCKPILES AND AREAS OF BARE SOIL OR EARTH THAT ARE LIKELY TO BECOME ERODED MUST BE ADEQUATELY PROTECTED - BY UPSLOPE SURFACE WATER DIVERSION, DOWNSLOPE SEDIMENT FENCING AND TEMPORARY SURFACE COVERINGS.
12. TOPSOIL STOCKPILES ARE TO BE MULCHED OR TEMPORARILY VEGETATED IF THEY ARE TO REMAIN FOR MORE THAN 14 DAYS.
13. MAXIMUM LENGTH OF EXPOSED SLOPE TO BE LIMITED TO 50m BY THE USE OF THE EROSION AND SEDIMENT DEVICES SHOWN.
14. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON CARDNO DRAWINGS ARE THE MINIMUM ANTICIPATED REQUIREMENTS. SHOULD IT BE DEEMED NECESSARY FROM MONITORING THE CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES TO MINIMISE THE IMPACT OF CONSTRUCTION ACTIVITIES ON THE SURROUNDING ENVIRONMENT.
15. ALL EROSION AND SEDIMENT CONTROL DEVICES ARE TO REMAIN IN PLACE UNTIL INSTRUCTION IS RECEIVED IN WRITING FROM THE ENGINEER TO REMOVE ALL/PART OF THE CONTROL APPLICATIONS.
16. THE CONTRACTOR IS RESPONSIBLE FOR RELOCATING EROSION AND SEDIMENT CONTROL DEVICES TO ACCOMMODATE EARTHWORKS AS REQUIRED. THE LOCATION OF THE EROSION AND SEDIMENT CONTROL DEVICES ARE INDICATIVE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO SPECIFICALLY LOCATE, THEN ENSURE SEDIMENT IS NOT WASHED DOWNSTREAM.
17. CLEAN WATER DIVERSION DRAINS TO BE TURFED IF GRADE <5% AND TO BE ROCK LINED IF GRADE >5%.
18. THE OUTLETS OF ALL DIVERSION DRAINS TO HAVE ROCK SCOUR PROTECTION INSTALLED TO ACT AS AN OUTLET DISCHARGE ENERGY DISSIPATER.
19. VELOCITY CONTROLS AND/OR CHANNEL LININGS TO BE UTILISED WITHIN EARTH LINED CATCH DRAINS WITH FLOW VELOCITIES >0.6m/s.
20. REFER TO IECA STD DWG SD-CD-01 AND SD-CD-02 FOR TYPICAL CATCH DRAIN DETAILS.
21. REFER TO IECA STD DWG SD-RCD-01 FOR TYPICAL CHECK DAM DETAILS.

NOTES - DUST MANAGEMENT

1. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF ALL DUST EMISSIONS DURING ALL EARTHWORKS OPERATIONS.
2. DUST CONTROL TECHNIQUES AND PRACTICES MAY INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING TO MINIMISE THE MOVEMENT OF DUST OFF-SITE:
 - THE PRE-CLEARING OF LAND WILL BE MINIMISED. NO VEGETATION STRIPPING/CLEARING WILL OCCUR IN SITUATIONS OF HIGH WIND.
 - ALL PERMANENT BUNDS AND RESHAPED AREAS WILL BE RE-VEGETATED AS QUICKLY AS POSSIBLE.
 - STABILISATION AND RE-VEGETATION OF FILL AREAS.
 - STOCKPILING ON-SITE WILL BE MINIMISED WHERE POSSIBLE.
 - PROVISION OF BARRIER FENCE WIND BREAKS.
 - WATER CARTS OPERATING AS WARRANTED.
 - MAINTENANCE OF VEGETATED BUFFERS AND/OR THE IMPLEMENTATION OF BARRIERS, PARTICULARLY AROUND STOCKPILE AREAS.
 - USE OF SHAKEDOWN AREAS FOR HAUL TRUCKS LEAVING THE SITE.
 - MINIMISATION OF VEHICULAR MOVEMENT EXCEPT FOR DESIGNATED TRAFFIC ROUTES.
3. VISUAL MONITORING IS TO BE UNDERTAKEN THROUGHOUT THE CONSTRUCTION PHASE. THE CONTRACTOR IS TO ENSURE ANY DUST PRODUCTION IS KEPT TO A MINIMUM AND ACTION TAKEN ON ANY COMPLAINTS RECEIVED.
4. THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF SITE CONDITIONS AND THE DUST MANAGEMENT MEASURES IMPLEMENTED. COMPLAINTS BY RESIDENTS ARE TO BE RECORDED IN A COMPLAINTS REGISTER.
5. DEPENDING ON THE SOURCE OF THE DUST THE FOLLOWING MEASURES WILL BE IMPLEMENTED:
 - APPLY WATER SPRAYS TO VEGETATION.
 - DAMPEN EXPOSED AREAS.
 - ENSURE ALL LOADED TRUCKS ARE COVERED.
 - INCREASE NUMBER OF WATER TRUCKS IN OPERATION.
 - CEASE OPERATIONS DURING PERIODS OF EXTREME WINDS.

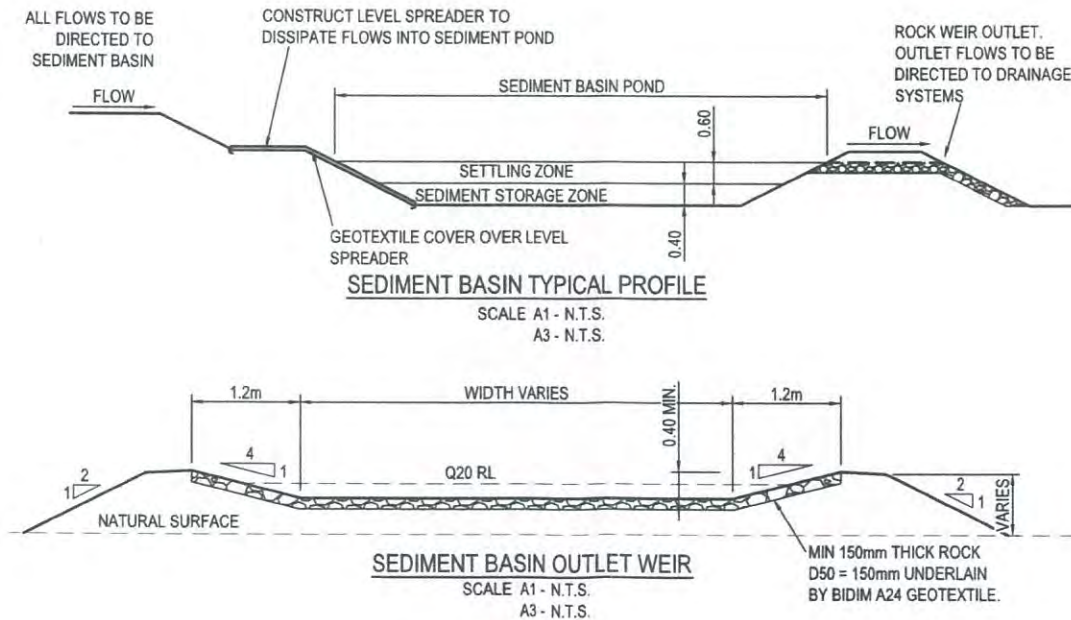
EROSION AND SEDIMENT MANAGEMENT STRATEGY

ENVIRONMENTAL ISSUE	MANAGEMENT STRATEGY
OBJECTIVE/TARGET	COMPLY WITH THE EROSION AND SEDIMENT CONTROL PLAN AS SHOWN, TO CONTROL EROSION AND SEDIMENT FLOWS. ENSURE THAT ALL EROSION AND SEDIMENT CONTROL DEVICES ARE OPERATIONAL AT ALL TIMES.
MANAGEMENT STRATEGY	CONTRACTOR TO IDENTIFY AND CHECK DIRECTION OF STORMWATER OVER LAND FLOWS AS SHOWN ON PLAN. PROVIDE BARRIERS AND OTHER MEASURES SHOWN ON THE PLAN TO PREVENT STORMWATER FLOWS OVER EMBANKMENTS, AND SEDIMENTS INTO GULLY PITS.
TASKS/ACTIONS	ERECT SEDIMENTATION BARRIERS AT PERIMETER OF CONSTRUCTION AREAS AS SHOWN ON EROSION AND SEDIMENT CONTROL PLAN.
FREQUENCY/DEADLINE	CONTRACTOR TO INSPECT DEVICES AT LEAST WEEKLY AND PRIOR TO AND IMMEDIATELY FOLLOWING EACH SIGNIFICANT RAINFALL EVENT.
RESPONSIBLE PERSON/ ORGANISATION	CONTRACTOR TO BE RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE OF CONTROL DEVICES.
REPORTING/REVIEW	SITE WORKMEN TO ADVISE FOREMAN IF THEY NOTICE ANY CONTROLS NEEDING REPAIR. ALL WATER QUALITY SAMPLES DATA INCLUDING DATES AND AMOUNTS OF RAINFALL, DATES OF TESTING AND WATER RELEASE MUST BE MAINTAINED IN AN ON-SITE REGISTER. THIS REGISTER IS TO BE MAINTAINED FOR THE DURATION OF THE APPROVED WORKS, AND MADE AVAILABLE TO COUNCIL OFFICERS ON REQUEST.
CORRECTIVE ACTIONS	IF EROSION AND SEDIMENT CONTROL DEVICES HAVE BEEN FOUND TO BE DEFICIENT OR FAILED IN SERVICE DUE TO UNFORSEEN CIRCUMSTANCES, CORRECTIVE ACTION IS TO BE UNDERTAKEN BY THE CONTRACTOR IMMEDIATELY WHICH MAY INCLUDE AMENDMENTS/ADDITIONS TO THE ORIGINAL EROSION CONTROL PLANS. SUCH ADDITIONS OR AMENDMENTS ARE TO BE APPROVED BY THE SUPERINTENDENT.

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

17 JUN 2014

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1. SEDIMENT BASIN LENGTHS AND WIDTHS BASED ON:
 - RECOMMENDED 3:1 LENGTH TO WIDTH RATIO;
 - BASIN DEPTH OF 1.0m ADOPTED FOR COMBINED SETTLING AND STORAGE VOLUMES.
2. SEDIMENT STORAGE VOLUME BASED ON REGENERATION OF AVAILABLE STORAGE AFTER 2 MONTHS.
3. EMERGENCY SPILLWAY WEIR LENGTHS BASED ON CONVEYING THE 20 YEAR ARI PEAK DISCHARGE, FOR THE CONTRIBUTING CATCHMENT AREA, WITH A MAXIMUM DEPTH OVER THE WEIR OF 0.2m
4. REFER TO IECA STD DWG SD-SB-01, SD-SB-05 AND SD-SB-06 FOR TYPICAL TYPE F/D SEDIMENT BASIN DETAILS.
5. IF BATTERS STEEPER THAN 1 ON 4 ARE USED FOR EDGE OF SEDIMENT BASINS THEN SAFETY FENCING IS TO BE SUPPLIED TO THE FULL PERIMETER FOR THE DURATION OF THE BASIN'S OPERATION.



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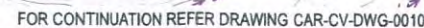


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Drawn LB 15/05/2014
Checked SK 15/05/2014
Designed GT 15/05/2014
Verified SK 15/05/2014
Approved RPE 15/05/2014

Client GROCON (PARKLANDS) PTY LTD

Project PARKLANDS
EARLY WORKSTitle BULK EARTHWORKS
EROSION & SEDIMENT CONTROL
GENERAL NOTESStatus FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION PURPOSESScale N.T.S. Size A1
Drawing Number CAR-CV-DWG-0008 Revision A

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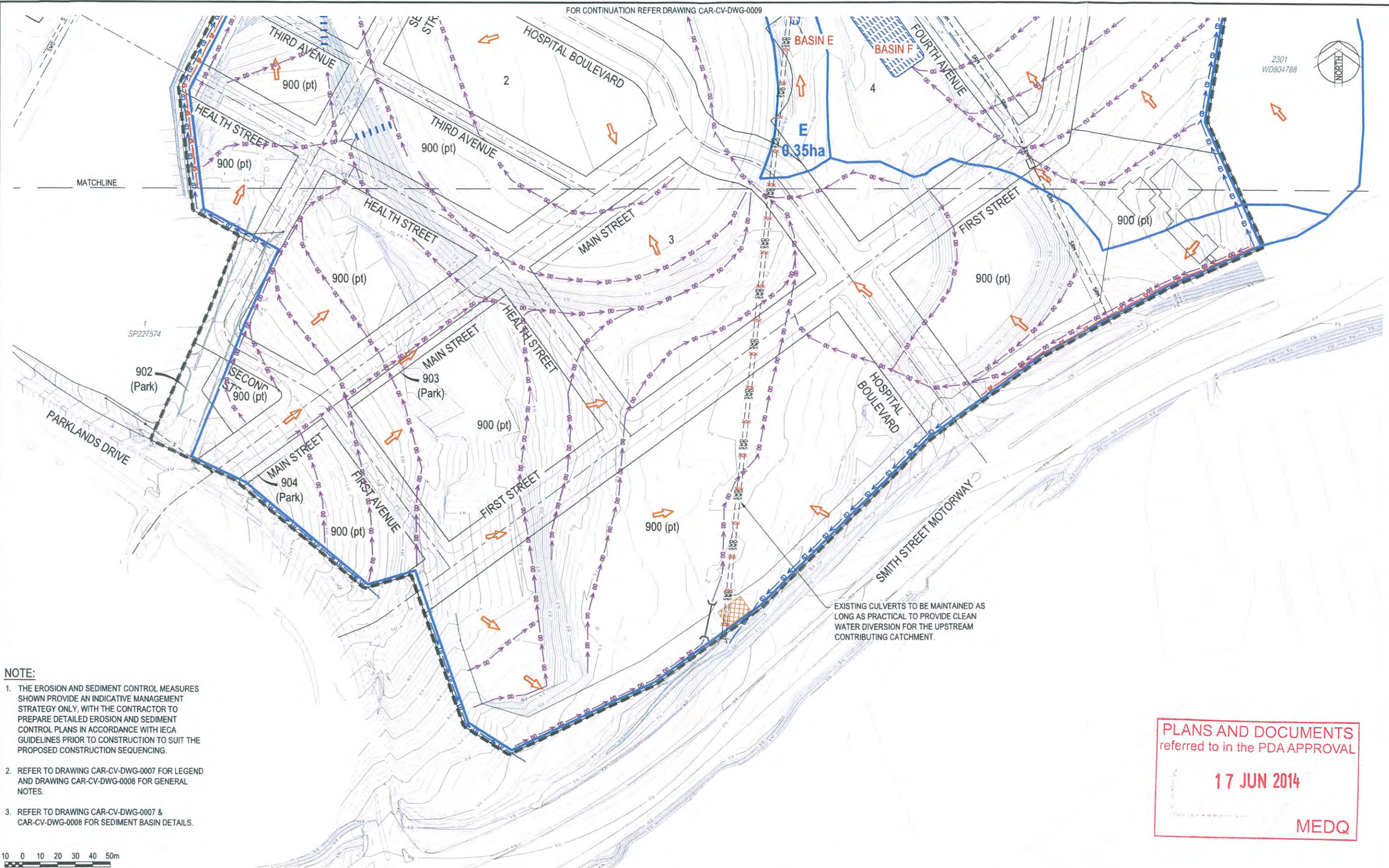
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Drawn LB	Date 15/05/2014	Client GROCON (PARKLANDS) PTY LTD			
Checked SK	Date 15/05/2014	Project PARKLANDS EARLY WORKS	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Designed GT	Date 15/05/2014	Title BULK EARTHWORKS EROSION & SEDIMENT CONTROL PHASE 1 LAYOUT PLAN SHEET 1 OF 2	Drawing Number	Scale 1:1000	Size A1
Verified SK	Date 15/05/2014		CAR-CV-DWG-0009	Revision A	
Approved 					

FOR CONTINUATION REFER DRAWING CAR-CV-DWG-0009



NOTE:

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN PROVIDE AN INDICATIVE MANAGEMENT STRATEGY ONLY, WITH THE CONTRACTOR TO PREPARE DETAILED EROSION AND SEDIMENT CONTROL PLANS IN ACCORDANCE WITH IECA GUIDELINES PRIOR TO CONSTRUCTION TO SUIT THE PROPOSED CONSTRUCTION SEQUENCING.
2. REFER TO DRAWING CAR-CV-DWG-0007 FOR LEGEND AND DRAWING CAR-CV-DWG-0008 FOR GENERAL NOTES.
3. REFER TO DRAWING CAR-CV-DWG-0007 & CAR-CV-DWG-0008 FOR SEDIMENT BASIN DETAILS.

10 0 10 20 30 40 50m
1:1000 - A1 1:2000 - A3

Rev	Date	Description	Des	Verif	Appd
A	15/05/2014	FOR APPROVAL	GT	SK	RB



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Checked SK	Date 15/05/2014	Project PARKLANDS EARLY WORKS
Designed GT	Date 15/05/2014	Title BULK EARTHWORKS EROSION & SEDIMENT CONTROL PHASE 1 LAYOUT PLAN SHEET 2 OF 2
Verified SK	Date 15/05/2014	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES
Approved <i>R. Lee</i>		Scale 1:1000
		Size A1
		Drawing Number CAR-CV-DWG-0010
		Revision A



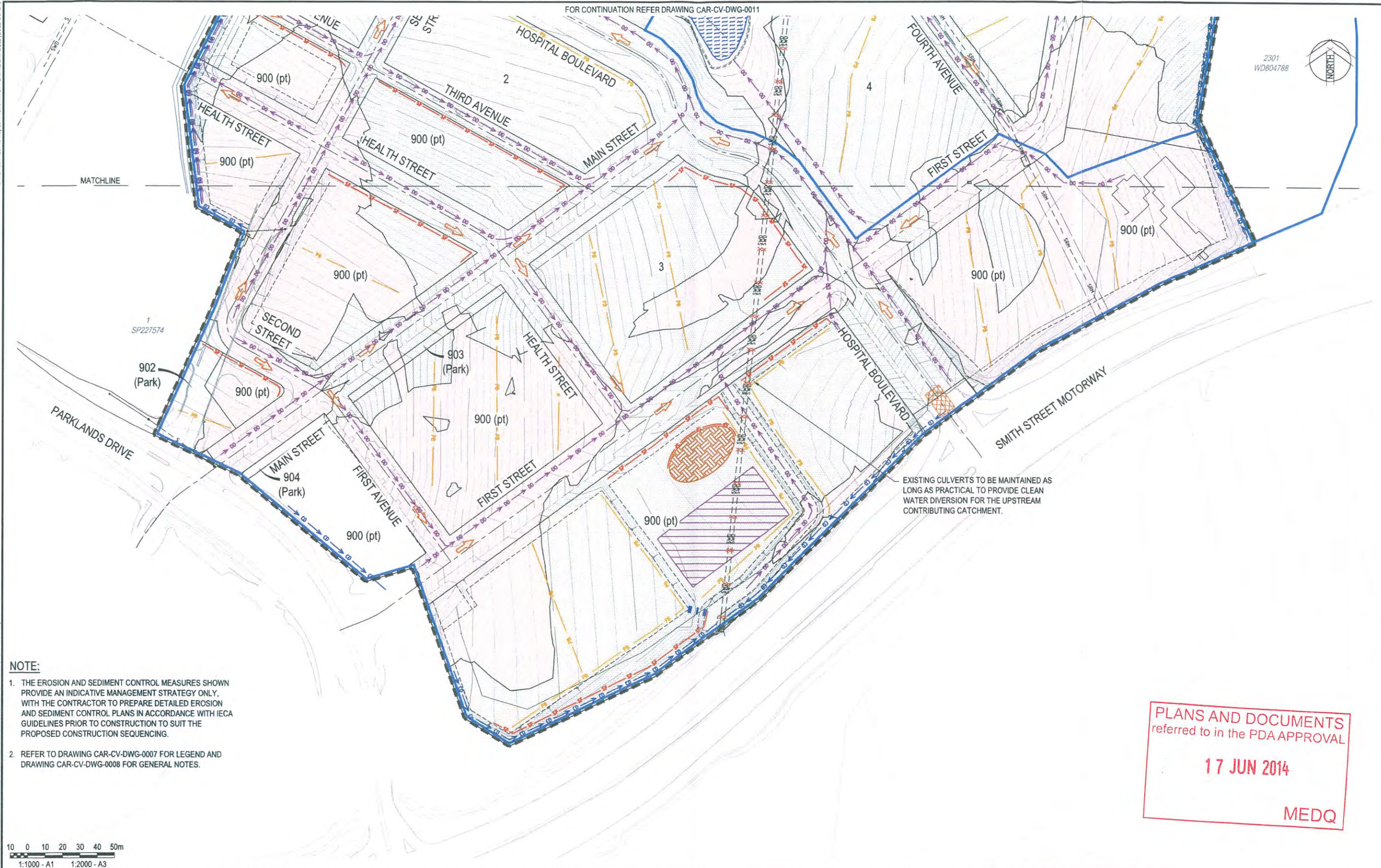
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Checked SK	Date 15/05/2014						
Designed ST	Date 15/05/2014						
Verified SK	Date 15/05/2014						
Approved 							
RPEg 7 Oct 15/15							
Title		BULK EARTHWORKS EROSION & SEDIMENT CONTROL PHASE 2 LAYOUT PLAN SHEET 1 OF 2		Drawing Number CAR-CV-DWG-0011		Revision	



NOTE:

1. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN PROVIDE AN INDICATIVE MANAGEMENT STRATEGY ONLY, WITH THE CONTRACTOR TO PREPARE DETAILED EROSION AND SEDIMENT CONTROL PLANS IN ACCORDANCE WITH IECA GUIDELINES PRIOR TO CONSTRUCTION TO SUIT THE PROPOSED CONSTRUCTION SEQUENCING.
2. REFER TO DRAWING CAR-CV-DWG-0007 FOR LEGEND AND DRAWING CAR-CV-DWG-0008 FOR GENERAL NOTES.

PLANS AND DOCUMENTS
referred to in the PDA APPROVAL

17 JUN 2014

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10 0 10 20 30 40 50m
1:1000 - A1 1:2000 - A3

Rev	Date	Description	Des	Verif	Appd
A	15/05/2014	FOR APPROVAL	GT	SK	RB



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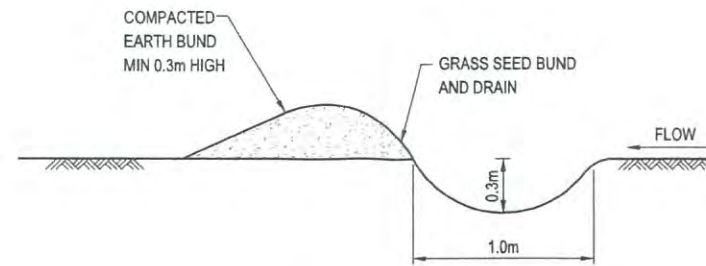
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Drawn Lib Checked SK Designed GT Verified SK Approved RPE 7067 15/6	Date 15/05/2014 Date 15/05/2014 Date 15/05/2014 Date 15/05/2014 Date 15/05/2014	Client GROCON (PARKLANDS) PTY LTD Project PARKLANDS EARLY WORKS Title BULK EARTHWORKS EROSION & SEDIMENT CONTROL PHASE 2 LAYOUT PLAN SHEET 2 OF 2	Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES Drawing Number CAR-CV-DWG-0012 Scale 1:1000 Size A1 Revision A
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DATE PLOTTED: 15 May 2014 10:43 AM BY: LAURIE BRINDELL (GOLD COAST)

LEGEND - EARTHWORKS

- STAGE BOUNDARY
- FINISHED CONTOUR (0.25m INTERVALS)
- PROPOSED RETAINING WALL. DESIGN, CONSTRUCTION AND CERTIFICATION BY MANUFACTURER
- PROPOSED CUT AREA
- PROPOSED FILL AREA
- EARTHWORKS INTERFACE
- FINISHED SURFACE LEVEL
- EXISTING Ø960 SEWER RISING MAIN CONSTRUCTION IN THE VICINITY OF THIS MAIN TO BE IN ACCORDANCE WITH CITY OF GOLD COAST CONSTRUCTION MANAGEMENT TECHNIQUES



DETAIL
TEMPORARY CUT-OFF DRAIN
NOT TO SCALE

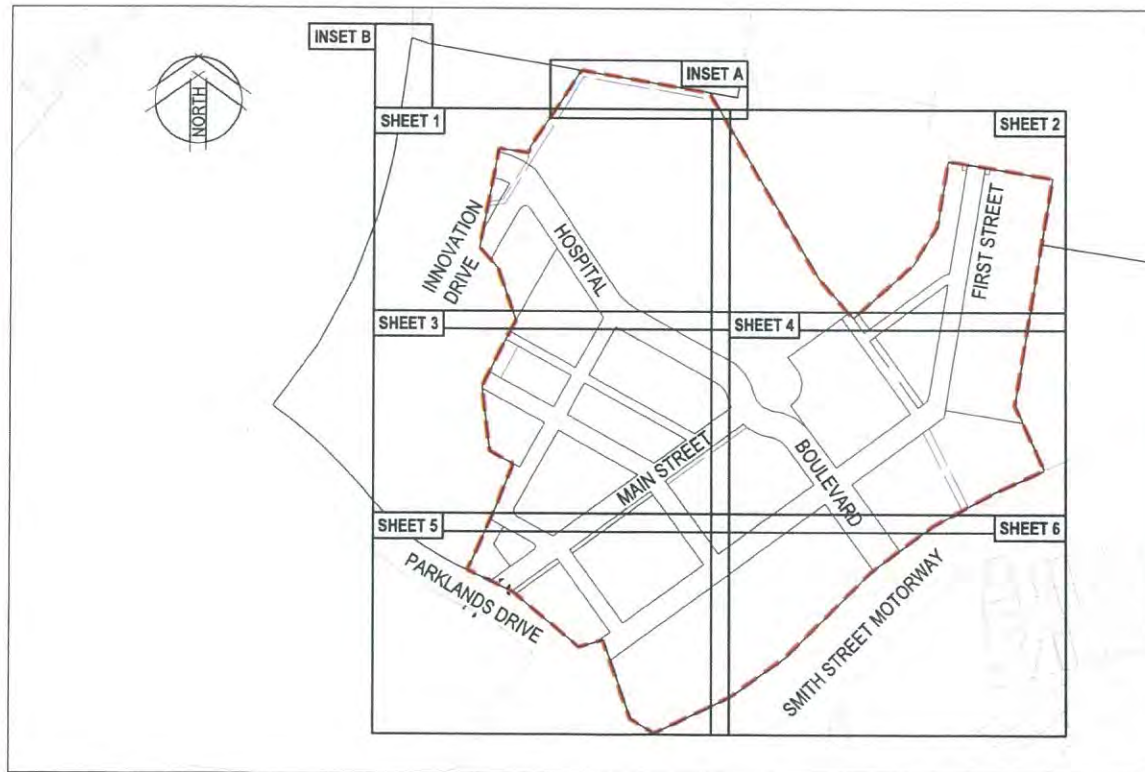
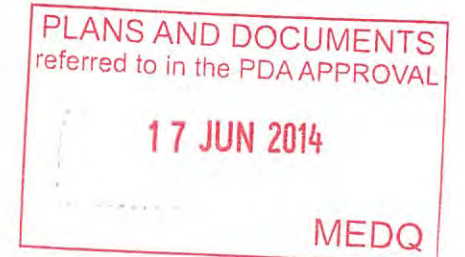
NOTES:

- VELOCITY CONTROLS AND/OR CHANNEL LININGS TO BE UTILISED WITHIN EARTH LINED CATCH DRAINS WITH FLOW VELOCITIES >0.6m/s.
- CATCH DRAIN CONSTRUCTION NEAR TREE ROOTS AS DIRECTED ON SITE.

NOTES: EARTHWORKS

- THE CONTRACTOR IS TO INFORM COUNCIL AND THE SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORKS.
- THE CONTRACTOR IS TO VERIFY LOCATION AND LEVELS OF ALL SERVICES AND TO LIAISE WITH LOCAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION. EXISTING SERVICES TO BE PROTECTED DURING CONSTRUCTION. DAMAGED SERVICES TO BE REPAIRED AT THE CONTRACTORS EXPENSE.
- EARTHWORK AREAS TO BE CLEARED OF ALL TREES, STUMPS, FALLEN TIMBER AND SCRUB PRIOR TO COMMENCING CONSTRUCTION TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER UNDERTAKING LEVEL 1 SUPERVISION.
- TIMBER CLEARED TO BE MULCHED AND STOCKPILED ON SITE AS DIRECTED BY SUPERINTENDENT.
- HOLES LEFT BY CLEARING OR GRUBBING OPERATIONS TO BE FILLED WITH SOUND MATERIAL TO THE APPROVAL OF THE SUPERINTENDENT.
- AREAS STRIPPED OF TOPSOIL AND ORGANIC MATTER TO BE STOCKPILED AS DIRECTED BY THE SUPERINTENDENT AT AN APPROVED LOCATION.
- PRIOR TO FILLING, STRIPPED SURFACES TO BE PREPARED AND COMPACTED IN ACCORDANCE WITH AS 3798 - 1996 TO THE SATISFACTION OF THE SUPERINTENDENT.
- ALL FILL MATERIAL SHALL BE FREE OF TOPSOIL, ORGANIC MATTER AND OTHER DELETERIOUS MATTER AND TO THE APPROVAL OF THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF FILLING WORKS.
- EARTHWORKS TO BE INSPECTED / SUPERVISED BY A REGISTERED GEOTECHNICAL TESTING CONSULTANT TO LEVEL 1 STANDARD IN ACCORDANCE WITH APPENDIX B AS 3798 - 1996. IN ADDITION FREQUENCY OF FIELD DENSITY TESTING SHALL BE TO TYPE 1 STANDARD IN ACCORDANCE WITH TABLE 8.1 AS 3798 - 1996.
- EARTHWORKS TO BE CERTIFIED BY A REGISTERED GEOTECHNICAL TESTING CONSULTANT THAT FILLING OPERATIONS COMPLY WITH AS 3798 - 1996.
- FILLING SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 300mm LAYERS OR LESS THAN 150mm AND COMPACTED TO THE DENSITY REQUIREMENTS FOR ROADWAYS AND ALLOTMENTS AS PER AS 3798 - 1996.
- TOPSOIL TO BE 100mm THICK ON ALLOTMENTS, ROAD VERGES AND DISTURBED PARK AREAS
- ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IN PLACE TO THE SATISFACTION OF THE SUPERINTENDENT PRIOR TO ANY UPSTREAM EARTHWORKS COMMENCING.
- A QUALIFIED WILDLIFE SPOTTER/CATCHER SHALL BE PRESENT DURING ALL TREE CLEARING OPERATIONS ON SITE.
- WHERE MULCH IS USED TO STABILISE EARTHWORKS IT SHALL BE PLACED ABOVE THE FINISHED SURFACE LEVELS UNLESS NOTED OTHERWISE.
- WHERE TOPSOIL STOCKPILES ARE TO REMAIN IN PLACE FOR A PERIOD OF MORE THAN 14 DAYS, THE STOCKPILE SHALL BE GRASSED WITH A SUITABLE QUICK STRIKING CEREAL GRASS. PROVIDE A DIVERSION DRAIN OR BUND ON THE UPHILL SIDE AND A SEDIMENT FENCE ON THE DOWNHILL SIDE OF ALL STOCKPILES.
- EARTHWORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH GCCC STANDARD SPECIFICATIONS.
- ALL AREAS OF THE SITE SHALL BE KEPT FREE DRAINING DURING ALL PHASES OF THE PROJECT.
- REFER TO LAYOUT PLANS FOR ALL BATTER GRADES. WHERE GRADES ARE NOT SPECIFIED:

FILL = 1:6
CUT = 1:6



XREF: X: 721785W - Base: X: 721785W - A1 Title Sheet: X: 721785W - External Bids
CAD File: P: 721785W - Commonwealth Games Village (GOLD COAST) - Earthworks & Erosion Legend.dwg



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Drawn LB	Date 15/05/2014	Client GROCON (PARKLANDS) PTY LTD
Checked SK	Date 15/05/2014	Project PARKLANDS EARLY WORKS
Designed GT	Date 15/05/2014	Title BULK EARTHWORKS
Verified SK	Date 15/05/2014	Legend, KEY PLAN & GENERAL NOTES
Approved RPER 7067 15/6		
Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES		Scale N.T.S.
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