



SHIRE OF SERPENTINE - BRIGGS PARK, BYFORD 6122

LOWER AND UPPER OVALS

COST PLAN No. 1

SCHEMATIC DESIGN ESTIMATE REV 0

FOR



14-Sep-17



QUALITY MANAGEMENT

14-Sep-17

Revision	Prepared By	Checked By	Issue Date	Comments
0	D Tang	M Buss	14-Sep-17	

SUMMARY

Date: 14-Sep-17

Ref	Scope		Amount (\$)
1	PRELIMINARIES		177,000.00
2	TURF AND RETIC		861,000.00
3	LIGHTING / ELECTRICAL		687,000.00
4	DRAINAGE / EARTHWORKS / RETAINING WALLS		1,425,000.00
5	SPORTING INFRASTRUCTURE		109,000.00
6	Sub Total		3,259,000.00
7	Locality Index (Byford)		N/A
8	NET PROJECT COST		3,259,000.00
9	Design Contingency	10%	326,000.00
10	Construction Contingency	5%	163,000.00
11	Client Contingency, Relocation Costs and Disbursements		Excluded
12	Headworks & Statutory Charges:		
	Western power		Excluded - existing facility
	Water Corp		Excluded - existing facility
	Telstra		Excluded - existing facility
13	Professional Fees and Disbursements	Allowance	200,000.00
14	GROSS PROJECT COST (At current Prices)		3,948,000.00
15	Escalation to Tender		Excluded
16	ESTIMATED TOTAL COMMITMENT		3,948,000.00
17	GST		394,800.00
18	TOTAL		4,342,800.00

SUMMARY

Date: 14-Sep-17

Ref	Scope	Amount (\$)
	<u>Notes</u>	
19	The estimate is based on the following drawings issued by Shire of Serpentine Jarrahdale Civil Drawings: CW961600-CI-CV1 [A]; CW961600-CI-DL1 [B]; CW961600-CI-RW1 [A]; CW961600-CI-RW2 [A]; CW961600-CI-TD1 [A]; CW961600-CI-TD2 [A]; CW961600-CI-TD3 [A]; CW961600-CI-TD4 [A] Anser Technical Drawings: ANS150-SSJ-002; ANS150-SSJ-003; ANS150-SSJ-004 Briggs Park Recreation Precinct Master Plan dated Sept-14	
20	The estimate has been prepared without the benefit of a specialist advise from Structural, Hydraulics, Electrical and Civil Engineers	
21	The estimate is based on preliminary information. All figures should be considered as indicative only	
22	The costs included herein are based on rates current at the time of the estimate	
23	The estimate excludes the following: <ul style="list-style-type: none">- Rock excavation- Removal of hazardous materials- Dewatering- Land remediation- Client costs and contingency- Financing costs- ESD considerations- Escalation	
24	This estimate assumes that the works will be competitively tendered.	
25	This estimate has assumed that there is sufficient services and is accessible for the site.	
26	The estimate assumes that the works shall be carried out during normal working hours	
27	The estimate has made an allowance of \$200K for professional fees and disbursements	
28	The estimate has made an allowance of 10% and 5% for Design and Construction Contingency respectively	

UPPER AND LOWER OVALS

14-Sep-17

Ref	Description	Unit	Qty	Rate \$	Sub-Total \$	Total \$
<u>PRELIMINARIES</u>						
1	Mobilisation / demobilisation	Item	1	10,000.00	10,000.00	
2	Contractors PM; assume 25% of time	Wks	6	4,688.00	28,128.00	
3	Contract / admin; assume 25% of time	Wks	6	3,750.00	22,500.00	
4	Site supervision; 75% of time	Wks	18	3,800.00	68,400.00	
5	Site accommodation	Wks	24	350.00	8,400.00	
6	QA / OHSE; allowance	Item	1	5,000.00	5,000.00	
7	Insurances, bank guarantees, etc; allowances	Item	1	11,600.00	11,600.00	
8	Permits, etc allowance	Item	1	2,500.00	2,500.00	
9	Fencing, site cleaning, surveying, dust control and the like; allowance	Item	1	15,000.00	15,000.00	
10	Traffic management; allowance	Item	1	5,000.00	5,000.00	
11	Rounding				472.00	177,000.00
<u>TURFING AND RETIC</u>						
12	Turfing to playing surface	m2	25,250	15.00	378,750.00	
13	Turfing to adjacent grassed areas	m2	3,460	15.00	51,900.00	
14	Irrigation System	m2	28,710	15.00	430,650.00	
15	Rounding				-300.00	861,000.00
<u>LIGHTING / ELECTRICAL</u>						
<u>Demolition and Alterations</u>						
16	Demolish existing sports lighting poles; including disconnecting from power, dismantling / taking down poles and lighting frames, concrete footings, etc; backfill with selected excavated material	No	4	9,000.00	36,000.00	
17	32mm electrical conduit	m	377	7.00	2,639.00	
18	40mm electrical conduit	m	2,599	8.00	20,792.00	
19	50mm electrical conduit	m	1,498	10.00	14,980.00	
20	63mm electrical conduit	m	326	13.00	4,238.00	
21	80mm electrical conduit	m	194	18.00	3,492.00	
22	Cable 6mm ² 4C+E	m	46	12.00	552.00	
23	Cable 10mm ² 4C+E	m	330	15.00	4,950.00	
24	Cable 25mm ² 4C+E	m	510	35.00	17,850.00	
25	Cable 35mm ² 4C+E	m	1,042	45.00	46,890.00	
26	Cable 70mm ² 4C+E	m	1,537	90.00	138,330.00	
27	Cable 120mm ² 4C	m	89	120.00	10,680.00	
28	Cable 185mm ² 4C	m	174	165.00	28,710.00	
29	30m high light pole and luminaires	No	8	30,000.00	240,000.00	
30	Electrical pit	No	5	750.00	3,750.00	
31	New DB	No	2	15,000.00	30,000.00	
32	Single door electrical cabinet	No	1	10,000.00	10,000.00	
33	1194 dia x 3900 deep concrete pad footing	No	8	2,780.00	22,240.00	
34	Holding down assemblies	No	8	150.00	1,200.00	
35	Trenching; approx 700 deep	m	1,097	25.00	27,425.00	

UPPER AND LOWER OVALS

14-Sep-17

Ref	Description	Unit	Qty	Rate \$	Sub-Total \$	Total \$
36	Break up and reinstate hard paved areas; assume 1000 wide	m	216	70.00	15,120.00	
37	100 thick imported clean sand fill to trench; bedding and sound to conduit	m3	110	21.00	2,310.00	
38	Compact backfill with excavated material	m2	1,097	4.00	4,388.00	
39	Rounding				464.00	687,000.00
<u>DRAINAGE / EARTHWORKS / RETAINING WALL</u>						
<u>EARTHWORKS</u>						
40	Clear site of all turf, vegetation, etc	m2	28,710	1.00	28,710.00	
41	Demolish and remove existing reticulation	m2	25,250	2.00	50,500.00	
42	Bulk earthworks; imported fill to underside of sub-grade; ave 250 deep	m3	6,313	21.00	132,573.00	
43	100 thick drainage gravel; laid flat; rolled and compacted to receive root zone sand [ALLOWANCE]	m2	28,710	10.00	287,100.00	
44	Imported root zone sand; laid flat; placed and compacted; including cultivation, growing medium amendment treatment and the like; surface prepared to receive turf; ave 400 deep [ALLOWANCE]	m3	11,484	32.00	367,488.00	
<u>SUB-SOIL DRAINAGE</u>						
<u>Sub Soil Drainage Pipe including PVC slotted pipe, metal screening, geotextile membrane wrap, free draining sand fill, compacted top soil</u>						
45	150 dia pipe	m	2,040	55.00	112,200.00	
46	225 dia pipe	m	360	95.00	34,200.00	
47	375 dia pipe	m	122	110.00	13,420.00	
48	450 dia pipe	m	67	175.00	11,725.00	
49	150 junction	No	1	45.00	45.00	
50	225 to 150 reducing junction	No	26	95.00	2,470.00	
51	375 to 150 reducing junction	No	14	150.00	2,100.00	
52	1050 Diameter precast concrete access chamber with concrete lid, step irons, concrete pipe outlets, finished with ground level including excavation , backfill & compaction	No	4	2,500.00	10,000.00	
53	Flushing point with concrete base, access coupling with screwed end cap, cast iron box with lid with required PVC bend, reducer, pipe section, bend, etc	No	4	1,000.00	4,000.00	
54	Precast concrete headwall	No	1	1,500.00	1,500.00	

UPPER AND LOWER OVALS

14-Sep-17

Ref	Description	Unit	Qty	Rate \$	Sub-Total \$	Total \$
<u>LIVING STREAM</u>						
55	Site preparation / devegetation; bushland	m2	870	4.00	3,480.00	
56	Removal of trees; allowance	Item	1	5,000.00	5,000.00	
57	Excavate to form swale; approx 3000 wide x 500 deep	m	290	20.00	5,800.00	
58	Grade and compact surface of swale	m2	870	3.00	2,610.00	
59	Jute geofabric	m2	870	9.00	7,830.00	
60	Native planting to swale; allowance	m2	870	15.00	13,050.00	
61	Stone pitching laid on and including geotextile fabric	m2	15	175.00	2,625.00	
62	150 angular rock riffle	No	2	2,500.00	5,000.00	
<u>Existing Culvert</u>						
63	Blocking off existng culverts	Item	1	1,000.00	1,000.00	
<u>RETAINING WALL</u>						
64	Limestone retaining walls; 1100 high; 730 wide at base reducing to 350 wide at top; comprising 350 x 350 x 1000 long limestone blocks bedded and jointed in cement / lime mortar; including all necessary pointing, geotech fabric, weepholes and the like; also including all necessary excavation, earthwork support / battering, compaction, backfilling on completion and the like; complete; all as specified and in accordance with Dwg CW961600-CI-RW2 [A]	m	42	275.00	11,550.00	
65	Limestone retaining walls; 1490 high; 1000 wide at base reducing to 350 wide at top; comprising 350 x 350 x 1000 long limestone blocks bedded and jointed in cement / lime mortar; including all necessary pointing, geotech fabric, weepholes and the like; also including all necessary excavation, earthwork support / battering, compaction, backfilling on completion and the like; complete; all as specified and in accordance with Dwg CW961600-CI-RW2 [A]	m	148	522.00	77,256.00	
66	Limestone retaining walls; 1870 high; 1110 wide at base reducing to 350 wide at top; comprising 350 x 350 x 1000 long limestone blocks bedded and jointed in cement / lime mortar; including all necessary pointing, geotech fabric, weepholes and the like; also including all necessary excavation, earthwork support / battering, compaction, backfilling on completion and the like; complete; all as specified and in accordance with Dwg CW961600-CI-RW2 [A]	m	119	790.00	94,010.00	

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14-Sep-17

Ref	Description	Unit	Qty	Rate \$	Sub-Total \$	Total \$
67	Limestone retaining walls; 2250 high; 1290 wide at base reducing to 350 wide at top; comprising 350 x 350 x 1000 long limestone blocks bedded and jointed in cement / lime mortar; including all necessary pointing, geotech fabric, weepholes and the like; also including all necessary excavation, earthwork support / battering, compaction, backfilling on completion and the like; complete; all as specified and in accordance with Dwg CW961600-CI-RW2 [A]	m	28	950.00	26,600.00	
68	Limestone retaining walls; 745 high average; 1000 wide at base reducing to 350 wide at top; high tapering from 1490 to ground level; comprising 350 x 350 x 1000 long limestone blocks bedded and jointed in cement / lime mortar; including all necessary pointing, geotech fabric, weepholes and the like; also including all necessary excavation, earthwork support / battering, compaction, backfilling on completion and the like; complete; all as specified and in accordance with Dwg CW961600-CI-RW2 [A]	m	9	303.00	2,727.00	
69	Prepare and apply 2 coats of approved graffiti preventative coating; to exposed sides of retaining wall [ALLOWANCE] <u>Chainlink Fencing</u>	m2	551	25.00	13,775.00	
70	1200 high chain link mesh fencing; fixed to top of retaining wall	m	346	110.00	38,060.00	
71	1600 high chain link mesh fencing incl 3 rows high tensile barb wires; [ALLOWANCE]	m	400	120.00	48,000.00	
72	Extra over fencing for double gates; [ALLOWANCE] <u>Sundries</u>	No	2	2,000.00	4,000.00	
73	Line marking allowance to Lower Oval	Item	1	5,000.00	5,000.00	
74	Rounding				-404.00	1,425,000.00

UPPER AND LOWER OVALS

14-Sep-17

Ref	Description	Unit	Qty	Rate \$	Sub-Total \$	Total \$
<u>SPORTING INFRASTRUCTURE</u>						
74	Supply and install bay practice wicket	No	2	25,000.00	50,000.00	
75	Supply and install cricket wicket	No	1	12,000.00	12,000.00	
76	Baseball back nets	No	2	3,500.00	7,000.00	
77	Goal posts; 15m high; fixed to concrete footing [ALLOWANCE]	No	4	5,500.00	22,000.00	
78	Goal posts; 10m high; fixed to concrete footing [ALLOWANCE]	No	4	2,500.00	10,000.00	
79	Demountable soccer goals; Jnr	No	1	3,500.00	3,500.00	
80	Demountable soccer goals; Snr	No	1	4,500.00	4,500.00	
81	Rounding					109,000.00
82	Sub-Total					3,259,000.00
83	Preliminaries					Included above
84	TOTAL TO SUMMARY					3,259,000.00