

**CIRCULAR QUAY
LANDSCAPING
PRELIMINARY ESTIMATE
SUMMARY**

	TOTAL
<u>ELEMENT</u>	
DEMOLITION	\$ 530,154
EARTHWORKS	\$ 94,500
WALLS / STEPS	\$ 278,585
PAVING	\$ 3,734,385
METALWORK	\$ 39,800
FURNITURE	\$ 210,800
TURFING	\$ 57,615
TREES	\$ 188,300
GREEN ROOF	\$ 770,000
SIGNAGE	\$ 186,000
ELECTRICAL SERVICES	\$ 246,300
HYDRAULIC SERVICES	\$ 240,000
TOTAL TRADE COST	\$ 6,576,439
PRELIMINARIES	\$ 789,561
TOTAL ESTIMATED CONSTRUCTION COST	\$ 7,366,000
DESIGN CONTINGENCY (10%)	\$ 737,000
CONTRACT CONTINGENCY (5%)	\$ 405,000
TOTAL ESTIMATED PROJECT END COST	\$ 8,508,000

Split-up of above estimate

Promenade	\$ 2,750,000
MCA	\$ 431,000
Remainder of site works	\$ 5,327,000

Exclusions

Goods and Service Tax
Escalation from April 2010
Out of Hours Work
Development charges/profit
Authority charges
Consultants fees
Land / legal costs

<u>ESTIMATE</u>				
<u>DEMOLITION</u>				
Strip up and remove brick paving	9111	m2	30.00	273,330.00
Remove garden beds / lawns	8272	m2	12.00	99,264.00
Demolish brick walls	1414	m	40.00	56,560.00
Demolish stairs and sandstone walls		Item		10,000.00
Remove trees generally		Item		20,000.00
Remove Peppercorn trees (59)	4	No	1500.00	6,000.00
Remove and store plaques, statues, etc		Item		15,000.00
Miscellaneous demolition		Item		50,000.00
Subtotal				530,154.00
<u>EARTHWORKS</u>				
Cut and fill	2700	m3	35.00	94,500.00
Subtotal				94,500.00
<u>WALLS/STEPS</u>				
<u>Precast seat/steps including footings</u>				
1200 wide tread x 150 high riser precast concrete steps (2)	194	m	160.00	31,040.00
1200 wide tread x 150 high riser precast concrete steps in front of lookout (12)	101	m	160.00	16,160.00
900 high precast concrete seat wall with angled profile back rest (3)	73	m	1020.00	74,460.00
300 high precast concrete seat/step (16)	52	m	385.00	20,020.00
<u>Insitu walls including footings</u>				
Insitu concrete wall with angled profile (13) :[68 m]	48	m2	620.00	29,760.00
Insitu concrete wall with angled profile (23) :[134 m]	59	m2	775.00	45,725.00

<u>WALLS/STEPS (Cont'd)</u>				
<u>Edging</u>				
300 x 150 high insitu concrete edging (14)	153	m	140.00	21,420.00
<u>Stairs</u>				
3000 wide insitu concrete stairs with 300 wide treads and 150 riser (18)	1	mrise	4000.00	4,000.00
11000 - 12000 wide insitu concrete stairs with 310 wide treads and 150 riser and granite finish (8)	3	mrise	12000.00	36,000.00
Subtotal				278,585.00
<u>PAVING</u>				
<u>Paving</u>				
Paving Type 1 Promenade - 600/300 x 450 Austral Black dark and light grey granite paving (1)	4298	m2	460.00	1,977,080.00
Paving Type 2 Footpath - 900/600/450/300 x 450 x 50 Austral Black dark grey granite paving (6)	4774	m2		EXCL
Paving Type 3 Market Wharf - 150 x 150 x 40 bluestone setts paving (7)	2045	m2	460.00	940,700.00
Paving Type 5 MCA Square - insitu concrete slab with and blast finish (15)	1430	m2	155.00	221,650.00
<u>Asphalt</u>				
Demolition planters under Cahill Expressway and replace with asphalt (as no Type 2 paving)	700	m2	100.00	70,000.00
<u>Lookout</u>				
Screw piles :[60 No]	90	m	180.00	16,200.00
Steel framing	509	m2	250.00	127,250.00
Paving Type 4 Platform - 2000 x 250 x 40 concrete planks (10)	509	m2	450.00	229,050.00

<u>PAVING (Cont'd)</u>				
<u>Ramps</u>				
Insitu concrete ramp with sand blast finish (17)	67	m2	165.00	11,055.00
<u>Tactiles</u>				
Stainless steel tactiles to stairs only (9)	30	m2	2100.00	63,000.00
Stainless steel tactiles to ramp (17)	4	m2	2100.00	8,400.00
<u>Pit covers</u>				
Adjust pits to new levels		Item		20,000.00
Infill pit covers with granite paving		Item		50,000.00
Subtotal				3,734,385.00
<u>METALWORK</u>				
<u>Tree grates</u>				
4000 x 4000 tree grate to figs (4)	2	No	2500.00	5,000.00
1200 x 1200 tree grate to Cabbage tree palms (5)	37	No	600.00	22,200.00
<u>Balustrades</u>				
1000 high steel balustrade with ss handrail to access stair (25)	2	m	350.00	700.00
1000 high steel balustrade with ss handrail to access stair/lawn interface (26)	15	m	350.00	5,250.00
1000 high steel balustrade with ss handrail to access stair (42)	15	m	350.00	5,250.00
1000 high steel balustrade with ss handrail to low height stair to Quay (43)	4	No	350.00	1,400.00
Subtotal				39,800.00

<u>FURNITURE</u>				
<u>Precast seats</u>				
2500 x 750 wide precast benches to lookout (27)	3	No	2000.00	6,000.00
5000 x 750 wide precast benches to lookout (27)	3	No	3000.00	9,000.00
<u>Timber seats</u>				
Bench seat and backrest to overlooking Promenade (29)	6	No	1735.00	10,410.00
Double sided bench seat and backrest to Quay Promenade (28)	8	No	2695.00	21,560.00
Double sided bench seat and backrest under Cahill Expressway (30)	16	No	2695.00	43,120.00
Double sided bench seat and backrest to Market Wharf (31)	6	No	2695.00	16,170.00
Timber cladding to planter wall and backrest (24)	37	m	2000.00	74,000.00
<u>Bins</u>				
Relocate existing litter bins (41)	4	No	160.00	640.00
New litter bins (41)	6	No	1650.00	9,900.00
<u>Bollards</u>				
Relocate retractable bollards (44)	4	No	400.00	1,600.00
New removable bollards (45)	12	No	700.00	8,400.00
<u>Lockable cafe storage</u>				
Lockable cafe storage	1	No	10000.00	10,000.00
Subtotal				210,800.00
<u>TURFING</u>				
MCA lawn (57)	1457	m2	15.00	21,855.00
Main lawn (57)	2384	m2	15.00	35,760.00
Subtotal				57,615.00
CIRCULAR QUAY LANDSCAPING			To Collection \$	268,415.00

<u>TREES</u>				
1000L super advanced fig trees (55)	8	No	5000.00	40,000.00
Relocate Cabbage tree palms (56)	30	No	1400.00	42,000.00
400L Cabbage tree palms (56)	33	No	3100.00	102,300.00
Under prune existing Peppercorn trees (58)	4	No	1000.00	4,000.00
Subtotal				188,300.00
<u>GREEN ROOF</u>				
Green roof with steel cable fixing to existing steel structure, with geotextile fabric, bromliad plants and mist irrigation system to underside of Cahill Expressway (61)	385	m2	2000.00	770,000.00
Subtotal				770,000.00
<u>SIGNAGE</u>				
Allowance for interpretive text and images integrated into lookout (11)		Item		40,000.00
Existing banner poles to be relocated (33)	12	No	500.00	6,000.00
New banner poles under Cahill Expressway (34)	12	No	2500.00	30,000.00
Directional signage integrated into paving (46)	4	No	5000.00	20,000.00
Directional signage in concrete walling (47)	4	No	10000.00	40,000.00
Park signage element integrated into walling with up-lighting 10m length (48)		Item		30,000.00
Install only artworks / artefacts (supplied by others)		Item		20,000.00
Subtotal				186,000.00
<u>ELECTRICAL</u>				
6m high column lighting to Market Wharf (35)	12	No	9000.00	108,000.00

<u>ELECTRICAL (Cont'd)</u>				
A	Access step lighting (36)		Item	15,000.00
B	Fluorescent lighting to underside of lookout platform and steps (37)		Item	5,000.00
C	LED lighting integrated in seat wall (38)	68	m	350.00 23,800.00
D	Upgrade existing lighting to quay edge - replace, relocate, new globe and diffuser (39)	16	No	2000.00 32,000.00
E	Inground uplighting to Market Wharf trees (40)	15	No	3500.00 52,500.00
F	3 phase power outlets		Item	10,000.00
G	Subtotal			246,300.00
<u>HYDRAULICS</u>				
<u>Sewer vent pipe</u>				
H	Relocate sewer vent pipe (49)		Item	15,000.00
<u>Stormwater harvesting and reuse</u>				
J	Construct diversion pit from existing stormwater system in George Street (52)	1	No	10000.00 10,000.00
K	Supply and install gross pollutant trap - CDS Nipper or equivalent (52)	1	No	20000.00 20,000.00
L	Storage tank: underground tank incl excavation, installation, all connections, potable top up (51)	200	kL	500.00 100,000.00
M	Supply and install filter - Amiad TAF or equivalent	1	No	10000.00 10,000.00
N	Supply and install UV disinfection system	1	No	20000.00 20,000.00
P	Allow for pipes, pits, connection to irrigation system	1	No	25000.00 25,000.00
CIRCULAR QUAY LANDSCAPING PRELIMINARY ESTIMATE 10036 / 3 MAY 2010				To Collection \$ 338,300.00

HYDRAULICS (Cont'd)Irrigation system

A Irrigation system using recycled and
filtered stormwater to lawn and figs
(53)

Item

40,000.00

B Subtotal

240,000.00

CIRCULAR QUAY LANDSCAPING	Carried to Summary \$	6,576,439.00
PRELIMINARY ESTIMATE	EST/8	
10036 / 3 MAY 2010		