



31 May 2022

Josh Fullerton
Senior Project Manager
Newcastle Airport Pty Limited

Dear Josh,

NEWCASTLE AIRPORT PREMIUM CARPARK – DA COST PLAN
DA COST ESTIMATE REPORT

As requested, WT have prepared a DA Estimate for the works at the above and advise that the estimated DA at rates current in May 2022 is **\$11,611,321** exclusive of GST (**\$12,772,453** Inclusive of GST).

We refer you to the attached DA Estimate which provides an elemental breakdown of costs.

We trust the enclosure is in accordance with your requirements, however please do not hesitate to contact us should you require any further information or wish to discuss any aspect of the report.

Yours faithfully

KEVIN DAVIS (MRICS)

National Director

WT

WT REF: PR-014410



NEWCASTLE AIRPORT – PREMIUM CARPARK

WT – DA COST ESTIMATE REPORT

31 May 2022

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APPENDIX A WT DA COST ESTIMATE

CONTACT

DETAIL	DESCRIPTION
Name of Company/Trading Name	WTP Australia Pty Ltd
ABN	69 605 212 182
Name of Representative	Kevin Davis
Position	National Director
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DOCUMENT STATUS	NAME	DATE
PREPARED BY	C Patterson	31/05/22
REVIEWED BY	K Davis	31/05/22
e-SIGNATURE APPROVED	K Davis	31/05/22

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02	31/05/22	Final


1 SUMMARY OF COSTS

DESCRIPTION	VALUE (\$)
Temporary Works	84,811
Demolition	379,818
Excavation	55,908
Roads & Pathways	517,496
Canopies	5,411,974
Linemarking, Tactiles & Signage	60,891
Fixtures & Furniture	255,864
Landscaping	240,114
Security Services	175,400
Electrical - LV Services	2,092,229
Electrical - HV Services	280,000
Communication Services	40,500
Hydraulic Services	162,409
Gas Services	0
SUBTOTAL TRADE WORKS	9,757,413
Preliminaries, Supervision & Management (14%)	1,366,038
Premium Airport Works (4%)	390,297
Extra over for Staging Works (1%)	97,574
Extra over for Night Works	Excluded
SUBTOTAL CONSTRUCTION COST (Excl GST)	11,611,321
GST	1,161,132
SUBTOTAL CONSTRUCTION COST (Incl GST)	12,772,453

2 CERTIFICATION OF THE ESTIMATED COST OF WORKS

I certify that I have:

- Inspected the plans the subject of the application for development consent or construction certificate
- Prepared and attached an elemental estimate prepared generally in accordance with the Australian Cost Management Manuals from the Australian Institute of Quantity Surveyors and that I am a member of the Australian Institute of Quantity Surveyors or a person who can demonstrate equivalent qualifications
- Calculated the development costs in accordance with the definition of development costs in clause 25J of the Environmental Planning and Assessment Regulation 2000 at current prices
- Included GST in the calculation of development cost
- Measured gross floor areas in accordance with the Method of Measurement of Building Area in the AIQS Cost Management Manual Volume 1, Appendix A2.

Signed: 
Name: Kevin Davis
Position: National Director

Contact Number: 0433 728 237

Contact Address: Level 26, 45 Clarence Street,
Sydney, NSW 2000

Date: 29 January 2021

3 SCHEDULE OF INFORMATION USED

The following information was used in the preparation of the DA Cost Estimate:

- Appendix A – Architectural Set issued by COX Architecture issued on 12.04.2022
- Appendix B – CTX_21587_Newcastle Airport Car Park_DA_A_220408 issued by COX dated 01.04.2022
- Appendix C – 17284-H-DR-DA-0001_DA-0023_P01 issued by HATCH dated 08.04.22
- Appendix D – Traffic – Newcastle Airport Premium Car Park DA_Transport Report (080422) issued by JMT Consulting dated 08.04.22
- Appendix E – DDA 10322 Newcastle Airport DA Report Accessibility – R2 issued by Purely Access dated 07.04.2022
- Appendix F – Contamination Management Strategy and ASSMP 211445.00.R.001.REV0 issued by Douglas Partners dated 07.04.22
- Appendix G – Lighting – 21132_CAN 01 Premium Car Park lighting design 220225 EU 220401 issued by LCI Consultants dated 01.04.22

- Appendix H – Utility Report – 211325_CAN 03 Carpark DA Utility Report 220401 issued by LCI Consultants dated 01.04.22
- Appendix J – Security - SCG01614-SEC-CAN-0003-1 NAPL ACE Project - Carpark Security Services issued by Security Consulting Group dated 09.04.22
- Appendix K – ACE Waste Managment Plan issued by COX Architects dated 08.04.22
- Appendix L - ACE Construction Managment Plan issued by COX Architects dated 08.04.22
- Appendix M – 022-217954_DA_PremCarpark CDP_BCA Capstat_220411 issued by Philip Chun Building Compliance dated 11.04.22
- Premium Carpark Scope of Works issued by COX Architects dated 08.04.22

4 SCHEDULE OF ASSUMPTIONS

The following assumptions have been made in the preparation of the DA Cost Estimate:

- All excavated material to be disposed of and classified as Acid Sulphates
- We have assumed a full road depth profile as 150mm DGS40 subbase, 100mm DGB20 basecourse, 5mm aggregate primer seal and 45mm A.C 10 Asphalt
- We have assumed new pathways to be built on 25mm basecourse with 125mm thick 32mpa Reinforced Concrete w/ SL82 mesh finished with Granite Paving
- Rectification works to Williamtown drive will be required due to constriction activities. We have allowed 1,000m2 to be milled and re-sheeted
- EV Charging points have been assumed as slow charging, running off 240v
- We have made an allowance to relocate minor electrical services running through site that is currently unknown
- We have assumed the new Solar System is 891kW system. There is no requirement for Battery Storage for this system
- We have assumed 8 No. new CCTV Cameras are required. We have assumed connection to existing CCTV system is possible. No allowance to upgrading existing CCTV head end system has been allowed for
- New LED's have been allowed generally to the new Solar Panel roof structure. We have also made an allowance to upgrade existing lighting with 4 No. new lighting poles
- Existing boom gates and equipment is able to be removed and re-installed in proposed locations
- Traffic control will be required to Williamtown drive
- Preliminaries, Supervision & Management has been calculated at 14%
- Premium Airport works has been calculated at 4%
- All other assumptions as per estimate

5 SCHEDULE OF EXCLUSIONS

The following items have been excluded in the preparation of the DA Cost Estimate:

- Temporary carparking
- Unknown site conditions and any other latent condition
- Contamination beyond the allowance in the estimate
- Decommissioning of existing substations and new substations
- Hazardous material
- Digital Signage
- Contingency
- Finance Costs, Independent Certifier Cost
- Legal fees, taxes and duties
- Authority Fees
- Escalation beyond May 2022
- Potential future impacts of COVID
- Long Service Levy



APPENDIX A

DA COST ESTIMATE



NAPL - PREMIUM CARPARK DA ESTIMATE R4.0

WT DA ESTIMATE
MAY 2022



NAPL - PREMIUM CARPARK DA ESTIMATE R4.0



Estimate Summary

REF.	DESCRIPTION	QUANTITY	UNIT	RATE	TOTAL
	Newcastle Airport				
	Premium Carpark DA Estimate				
	May 2022				
	Trade Works				
	<u>Description</u>	Area (m2)			
1/A	Temporary Works	6,580	m2	12.89	84,811
1/B	Demolition	6,580	m2	57.72	379,818
1/C	Excavation	6,580	m2	8.50	55,908
1/D	Roads & Pathways	6,580	m2	78.65	517,496
1/E	Canopies	6,580	m2	822.49	5,411,974
1/F	Linemarking, Tactiles & Signage	6,580	m2	9.25	60,891
1/G	Fixtures & Furniture	6,580	m2	38.89	255,864
1/H	Landscaping	6,580	m2	36.49	240,114
1/J	Security Services	6,580	m2	26.66	175,400
1/K	Electrical - LV Services	6,580	m2	317.97	2,092,229
1/L	Electrical - HV Services	6,580	m2	42.55	280,000
1/M	Communication Services	6,580	m2	6.16	40,500
1/N	Hydraulic Services	6,580	m2	24.68	162,409
1/P	Gas Services	6,580	m2	0.00	0
	Total Trade Works				9,757,413
	Contractors Indirects				
1/Q	Preliminaries, Supervision & Management	14	%		1,366,038
1/R	Premium Airport works	4	%		390,297
1/S	Extra over for Staging Works	1	%		97,574
1/T	Extra over for Night Works	1	Item		Excluded
	Total Indirect Cost				1,853,908
	Total Construction Costs				11,611,321

NAPL - PREMIUM CARPARK DA ESTIMATE R4.0



Estimate Details

REF.	DESCRIPTION	QUANTITY	UNIT	RATE	TOTAL
	<u>TEMPORARY WORKS</u>				
2/A	Temporary fencing to [location], [1.8]m high	431	m	150	64,579
2/B	Temporary Kerb Inlet Pit	16	no	100	1,600
2/C	Temporary Geotechnical Inlet Filter	18	no	100	1,800
2/D	Temporary Sand Bag inlet sediment trap	2	no	50.00	100
2/E	Temporary Sediment control fence	9	m	65.00	615
2/F	Temporary Stabilised Site Access	45	m2	40.00	1,798
2/G	Temporary stockpile	45	m2	40.00	1,820
2/H	Temporary Tree Protection	5	No	500	2,500
2/J	Temporary Truck Wash Facilities	1	No	5,000	5,000
2/K	Temporary Entry / Exit Gate	2	No	2,500	5,000
	Total - Temporary Works				84,811
	<u>DEMOLITION</u>				
2/L	Demolish existing garden beds	701	m2	20.00	14,016
2/M	Demolish 50mm of existing carpark surface	131	m2	25.00	3,273
2/N	Demolish Carpark surface and base layers for Sub trenching	83	m2	100.00	8,257
2/P	Demolish existing asphalt	5,086	m2	25.00	127,144
2/Q	Demolish existing carpark full depth	581	m2	65.00	37,783
2/R	Demolish existing carpark full depth (forecourt)	309	m2	65.00	20,061
2/S	Demolish existing islands in carpark	82	m2	80.00	6,536
2/T	Demolish existing kerb and pathway	90	m2	80.00	7,177
2/U	Demolish existing kerbs	145	m	40.00	5,816
2/V	Demolish existing pathway	57	m2	65.00	3,705
2/W	Relocate hydrant	2	no	3,000.00	6,000
2/X	Remove and retain existing boom gate, ticketing, camera, etc	3	no	1,000.00	3,000
2/Y	Remove bins for re-use	2	no	1,500.00	3,000
2/Z	Remove Bollard	20	no	250.00	5,000
2/AA	Remove existing barrier	393	m	75.00	29,439
2/AB	Remove existing seats for re-use	3	no	1,500.00	4,500
2/AC	Remove existing signs	10	no	250.00	2,500
2/AD	Remove existing trees	47	no	1,000.00	47,000
2/AE	Remove light poles	1	no	3,500.00	3,500
2/AF	Disposal off site demolished materials	1	Item	42,112	42,112
	Total - Demolition				379,818
	<u>EXCAVATION</u>				
2/AG	Excavate for New Roadway & Pathways	91	m3	80	7,287
2/AH	Trim and proof roll excavation before commencing new works	1,911	m2	10	19,110

NAPL - PREMIUM CARPARK DA ESTIMATE R4.0



Estimate Details

REF.	DESCRIPTION	QUANTITY	UNIT	RATE	TOTAL
3/A	Disposal off site excavated materials, [assume Acid Sulphates + PFAS]	164	t	180	29,511
3/B	Option B - Cost allowance to stockpile in separate location untreated	91	m3	40.00	Excluded
3/C	Option C - Cost allowance to remediate and stockpile all excavated material on site	91	m3	20.00	Excluded
Total - Excavation					55,908
<u>ROADS & PATHWAYS</u>					
<u>Roadway</u>					
3/D	Re-asphalt carpark to, [30]mm depth	4,669	m2	35	163,413
3/E	Allowance to seal cracked asphalt	4,669	m2	5	Excluded
3/F	Allowance for localised patching, generally	1	Item	30,000.00	Excluded
3/G	Reinstate roadway to saw cut area (Northern Roadway only)	265	m2	140	37,142
3/H	Pavement Type 01 - 150mm DGS 40 compacted, 170mm DGB20, 7mm Primer seal & 40mm AC10	607	m2	140	85,168
3/J	Pavement Type 3 - Carpark Median	4	m2	250	905
<u>Pathway</u>					
3/K	Pathway - Forecourt (option 01 - Grey Concrete)	204	m2	110.00	22,404
3/L	Pathway - Forecourt (option 02 - Asphalt)	204	m2	65.00	Excluded
3/M	Pathway - Premium Carpark (Option 01 - Colour Concrete)	137	m2	125.00	17,143
3/N	Pathway - Premium Carpark (Option 02 - Grey Concrete broom finish)	137	m2	118.00	Excluded
3/P	Pathway - Raised Pedestrian Crossing (Option 01 - Colour Concrete)	94	m2	375.00	35,419
3/Q	Pathway - Raised Pedestrian Crossing (Option 02 - Asphalt)	94	m2	310.00	Excluded
3/R	Pathway - Substation (Option 01 - Grey Concrete broom finish)	120	m2	118.00	14,184
3/S	Pathway - Substation (Option 02 - Grey Concrete)	120	m2	110.00	Excluded
3/T	Pathway - Terminal Pathway (Option 01 - Grey Concrete broom finish)	146	m2	118.00	17,215
3/U	Pathway - Terminal Pathway (Option 02 - Asphalt)	146	m2	65.00	Excluded
3/V	Pathway - Willamtown Drive + Loop Road connection (Option 01 - Colour Concrete)	271	m2	125.00	33,844
3/W	Pathway - Willamtown Drive + Loop Road connection (Option 02 - Grey Concrete broom finish)	271	m2	118.00	Excluded
<u>Kerb & Gutters</u>					
3/X	150mm Kerb Only (incl subsoil drainage)	378	m	120	45,413
3/Y	150mm Kerb & Gutter (incl subsoil drainage)	282	m	160	45,107
3/Z	Extra over for Pram Ramps	2	m	70	140
Total - Roads & Pathways					517,496
<u>CANOPIES</u>					
<u>Solar Canopy (Structure only)</u>					
3/AA	Roof structure to support new Solar Panels to be installed over new premium carpark (Option 01) (PFC and Z Purlin)	3,225	m2	510.00	Excluded

NAPL - PREMIUM CARPARK DA ESTIMATE R4.0



Estimate Details

REF.	DESCRIPTION	QUANTITY	UNIT	RATE	TOTAL
4/A	Roof structure to support new Solar Panels to be installed over new premium carpark (Option 01) (RHS Section)	3,225	m2	600.00	Excluded
4/B	Roof structure to support new Solar Panels to be installed over new premium carpark (Option 02) (PFC and Z Purlin)	3,225	m2	445.00	1,435,305
4/C	Roof structure to support new Solar Panels to be installed over new premium carpark (Option 02) (RHS Section)	3,225	m2	535.00	Excluded
	<u>Car Park Entry and Exit Canopy</u>				
4/D	TYPE C + Aluminum Clad (12.05.22) - 9m Bay - Canopy complete including; foundations support structure, roof structure, roof sheeting, gutting (Unit Rate: m2) (Premium Carpark)	277	m2	2,344.00	649,264
4/E	TYPE C W/ Painted FC	277	m2	1,720.00	Excluded
4/F	TYPE C W/ Ply	277	m2	2,085.00	Excluded
4/G	TYPE C W/ Colourbond / Gyprock	277	m2	1,695.00	Excluded
4/H	TYPE J + Aluminum Clad - Option 01 - 9m Bay (12.05.22) - 9m Bay - Canopy complete including; foundations support structure, roof structure, roof sheeting, gutting (Unit Rate: m2) (Premium Carpark)	74	m2	2,130.00	158,451
4/J	TYPE J W/ Painted FC	74	m2	1,530.00	Excluded
4/K	TYPE J W/ Ply	74	m2	1,880.00	Excluded
4/L	TYPE J W/ Colourbond / Gyprock	74	m2	1,510.00	Excluded
	<u>Pedestrian Walkway Canopy</u>				
4/M	TYPE A + Aluminum Clad (12.05.22) - 9m Bay - Canopy complete including; foundations support structure, roof structure, roof sheeting, gutting (Unit Rate: m2) (Premium Carpark)	0	m2	2,000.00	0
4/N	TYPE A W/ Painted FC	0	m2	1,400.00	Excluded
4/P	TYPE A W/ Ply	0	m2	1,750.00	Excluded
4/Q	TYPE A W/ Colourbond / Gyprock	0	m2	1,375.00	Excluded
4/R	TYPE C + Aluminum Clad (12.05.22) - 9m Bay - Canopy complete including; foundations support structure, roof structure, roof sheeting, gutting (Unit Rate: m2) (Premium Carpark)	704	m2	2,345.00	1,650,855
4/S	TYPE C W/ Painted FC	704	m2	1,720.00	Excluded
4/T	TYPE C W/ Ply	704	m2	2,085.00	Excluded
4/U	TYPE C W/ Colourbond / Gyprock	704	m2	1,695.00	Excluded
4/V	TYPE D + Aluminum Clad - Option 01 - 9m Bay(12.05.22) - 9m Bay - Canopy complete including; foundations support structure, roof structure, roof sheeting, gutting (Unit Rate: m2) (Premium Carpark)	671	m2	1,955.00	1,311,628
4/W	TYPE D W/ Painted FC	671	m2	1,505.00	Excluded
4/X	TYPE D W/ Ply	671	m2	1,770.00	Excluded
4/Y	TYPE D W/ Colourbond / Gyprock	671	m2	1,490.00	Excluded
4/Z	TYPE K + Aluminum Clad - Option 01 9m Bay (12.05.22) - 9m Bay - Canopy complete including; foundations support structure, roof structure, roof sheeting, gutting (Unit Rate: m2) (Premium Carpark)	108	m2	1,910.00	206,471
4/AA	TYPE K W/ Painted FC	108	m2	1,350.00	Excluded
4/AB	TYPE K W/ Ply	108	m2	1,680.00	Excluded
4/AC	TYPE K W/ Colourbond / Gyprock	108	m2	1,330.00	Excluded
	Total - Canopies				5,411,974
	<u>LINEMARKING, TACTILES & SIGNAGE</u>				

NAPL - PREMIUM CARPARK DA ESTIMATE R4.0



Estimate Details

REF.	DESCRIPTION	QUANTITY	UNIT	RATE	TOTAL
5/A	Line marking and signage to Bus-stop	1	item	5,000	5,000
5/B	Drop off zone marking	535	m2	10.00	5,346
5/C	Line marking and signage to Accessible Car-parking	8	each	350	2,800
5/D	Directional Arrows	10	no	250.00	2,500
5/E	New no stopping	8	no	600.00	4,800
5/F	New signage to short stay entry	1	no	1,500.00	1,500
5/G	New stop sign	3	no	600.00	1,800
5/H	Pedestrian sign	10	no	600.00	6,000
5/J	Pedestrian walkway	167	m2	50.00	8,345
5/K	suspended direction sign	7	no	400.00	2,800
5/L	Allowance for relocation of existing street signs	20	No	500	10,000
5/M	Allowance for new entry signage not designed	1	Item	10,000.00	10,000
Total - Linemarking, Tactiles & Signage					60,891
<u>FIXTURES & FURNITURE</u>					
5/N	Bollards	20.00	No.	1,089	21,780
5/P	Option A - New pedestrian fence	340	m	600.00	204,084
5/Q	Option B - 100% Retain existing fence, with minor alterations for new layout	1	Item	5,000.00	Excluded
5/R	Bench Seat	2	No	3,500.00	7,000
5/S	Rubbish bins	2	No	3,500.00	7,000
5/T	Concrete Wheel stops	40	each	400	16,000
Total - Fixtures & Furniture					255,864
<u>LANDSCAPING</u>					
5/U	Turfing to re-instated areas (Near substation)	621	m2	25	15,526
5/V	Revised - Landscaped Area Incl soil, prepwork for new planting and mulching	964	m2	30.00	28,931
5/W	Large Palms	7	no	15,000.00	105,000
5/X	Large Trees	5	no	2,500.00	12,500
5/Y	Large Plants / Small Trees	50	no	500.00	25,000
5/Z	Pot Plants	203	no	35.00	7,105
5/AA	Vertical trellis planting	68	m	400.00	27,052
5/AB	Establishment and maintenance of plants for 16 weeks	1	Item	19,000.00	19,000
5/AC	Option - Retain existing landscaping (allowance for minor adjustments only)	1	Item	5,000.00	Excluded
Total - Landscaping					240,114
<u>SECURITY SERVICES</u>					
5/AD	CCTV: Conduits and cables to new CCTV location Incl CCTV camera and Pits Camera Poles	8	No	12,000	96,000 Excluded

NAPL - PREMIUM CARPARK DA ESTIMATE R4.0



Estimate Details

REF.	DESCRIPTION	QUANTITY	UNIT	RATE	TOTAL
6/A	CCTV: Head-end system upgrade and connection	1	Item		Excluded
6/B	Ticketing: Relocate ticketing machines and boom gates	3	no	5,000	15,000
6/C	New column bay identifier (Counting system with electronic identifiers)	161	no	400.00	64,400
6/D	Ticketing: New number plate recognition equipment to entry and exit gates incl additional communications and power to ticketing points, including containment and cabling	1	Item		Excluded
Total - Security Services					175,400
<u>ELECTRICAL - LV SERVICES</u>					
<u>Lighting</u>					
6/E	Electrical LV: Allowance for LED Motion sensed Lighting to new solar structure	3,225	m2	30.00	96,761
6/F	Canopy Type C - Electrical LV: Allowance for LED Motion sensed Lighting to new Pedestrian structure	981	m2	30.00	29,430
6/G	Canopy Type D - Electrical LV: Allowance for LED Motion sensed Lighting to new Pedestrian structure	671	m2	30.00	20,127
6/H	Canopy Type J - Electrical LV: Allowance for LED Motion sensed Lighting to new Pedestrian structure	74	m2	30.00	2,232
6/I	Canopy type K - Electrical LV: Allowance for LED Motion sensed Lighting to new Pedestrian structure	108	m2	30.00	3,243
6/K	Electrical LV: Lighting: [4]m high lighting posts complete with [dual] luminaires, footing, pits, conduits, and cabling to next post	10	No.	12,500.00	125,000
<u>LV Power</u>					
6/L	Electrical LV: New Main Switchboard	1	Item		Excluded
6/M	Electrical LV: New Distribution Board	3	Item	25,000.00	75,000
6/N	Electrical LV: Allowance to relocate existing inground duct and cable [lighting and Low Voltage Cables]	1	Item	100,000	100,000
<u>Sustainability</u>					
6/P	Electrical LV: EV Dual Charging Station (8 Spots) (Incoming Power upgrade Incl elsewhere)	4	No	12,500.00	50,000
6/Q	EV Cabling Route No.01	160	m	350.00	56,000
6/R	EV Cabling Route No.02	130	m	500.00	65,000
6/S	Electrical LV: Solar Panels (3,225m2 @ 0.276144791kW m2)	891	Kw	1,650.00	1,469,435
6/T	Electrical LV: Battery System for Solar Panels		Kw	2,000.00	Excluded
Total - Electrical - LV Services					2,092,229
<u>ELECTRICAL - HV SERVICES</u>					
6/U	Allowance to remove existing pad mount substations	1	Item		Excluded
6/V	Electrical HV: replace / upgrade pad mount transformer [750] kVA Including Conduits, MDB, Design, Submains	1	Item		Excluded
6/W	New Substation future proofing routes	70	m	1,500.00	105,000
6/X	Existing Substation temporary power route	140	m	1,250.00	175,000
Total - Electrical - HV Services					280,000
<u>COMMUNICATION SERVICES</u>					
6/Y	PA Systems: Upgrade existing systems including speakers, emergency warning system, hearing loops to Premium Carpark	1	Item		Excluded

NAPL - PREMIUM CARPARK DA ESTIMATE R4.0



Estimate Details

REF.	DESCRIPTION	QUANTITY	UNIT	RATE	TOTAL
7/A	Allowance to relocate existing communications cabling throughout site	1	Item		Excluded
7/B	New future proofing Comms route	135	m	300.00	40,500
7/C	Comms to EV stations	1	Item		Included
7/D	Comms to PV	1	Item		Included
7/E	Comms to CCTV	1	Item		Included
7/F	Comms to DB;s	1	Item		Included
7/G	Comms to car park management system	1	Item		Included
7/H	Comms to smart poles	1	Item		Included
Total - Communication Services					40,500
<u>HYDRAULIC SERVICES</u>					
7/J	Subsoil drainage to new kerb lines	661	m		Included
7/K	Bio-retention Bed	107	m2	185	19,741
7/L	New dishdrain	67	m	60.00	3,998
7/M	Storm water drainage [150]mm [PVC] line including all excavation, bedding, backfill, fittings, connection to existing line	50	m	225	11,268
7/N	Storm water drainage [225]mm [RCP] line including all excavation, bedding, backfill, fittings, connection to existing line	31	m	300	9,346
7/P	Storm water drainage [300]mm [RCP] line including all excavation, bedding, backfill, fittings, connection to existing line	44	m	390	17,237
7/Q	Storm water drainage [375]mm [RCP] line including all excavation, bedding, backfill, fittings, connection to existing line	37	m	450	16,430
7/R	Down pipe connections	20	no	500.00	10,000
7/S	Fire hydrant point	5	no	2,500.00	12,500
7/T	Relocate existing hydraulic services in area	99	m2	150.00	14,890
7/U	Small Storm water drainage intake pits including connection	14	No.	1,500	21,000
7/V	Large Storm water drainage intake pits including connection	4	No.	4,000	16,000
7/W	On site detention tank	1	Item		Excluded
7/X	Allowance to relocate existing Hydraulic services not documented	1	Item	10,000.00	10,000
Total - Hydraulic Services					162,409
<u>GAS SERVICES</u>					
7/Y	Gas Services	1	Item		Excluded

