

Contact Officer: Don Dickson  
Contact Phone Number: 07 4975 8414  
Our Ref: OPW/436/2013

**COPY**

26 July 2013

Mr Ian Farrington  
Q R E Pty Ltd  
Care Tate Professional Engineers Pty Ltd  
PO Box 1092  
MOOLOOLABA QLD 4557

Dear Sir

**DECISION NOTICE**  
*Sustainable Planning Act S334*

**DEVELOPMENT APPLICATION NO. OPW/436/2013**  
**OPERATIONAL WORKS APPLICATION**  
**ROAD WORKS, STORMWATER, WATER INFRASTRUCTURE, DRAINAGE**  
**WORKS, EARTHWORKS, SEWERAGE INFRASTRUCTURE & LANDSCAPING**  
**TURTLE STREET RESORT**

**LOCATION: LOT 8 CP 860464, UNNAMED ROAD, CURTIS ISLAND QLD 4680**  
**DESCRIPTION: LOT 8 CP 860464, CURTIS, LOT 11 CP 860464, CURTIS, LOT TL**  
**220087**

Reference is made to the above development application, which was received by Council on 7 January 2013.

I wish to advise that the application was assessed under Delegated Authority on 26 July 2013 and was approved subject to the conditions as set out in the following Decision Notice.

Should you have any questions or require further clarification in relation to any matters raised in the Decision Notice, please contact **Council's Operational Works Unit** on **07 4975 8414**.

Yours faithfully



**A E KEARNS**  
**CHIEF PLANNER**



**DECISION NOTICE - Operational Works Application - (OPW/436/2013)**  
*Sustainable Planning Act 2009 S335*

**TURTLE STREET RESORT**

Lot 8 CP 860464, Curtis, Lot 11 CP 860464, Curtis, Lot TL 220087

Application:	Operational Works Application - Road Works, Stormwater, Water Infrastructure, Drainage Works, Earthworks, Sewerage Infrastructure & Landscaping
Applicant Name & Address:	Q R E Pty Ltd Care Tate Professional Engineers Pty Ltd PO Box 1092 MOOLOOLABA QLD 4557
Owner:	Q R E Pty Ltd
Subject Land:	Lot 8 CP 860464, Unnamed Road, CURTIS ISLAND QLD 4680
Location:	Lot 8 CP 860464, Curtis, Lot 11 CP 860464, Curtis, Lot TL 220087
Site Area:	6,300,000m <sup>2</sup>
Application Received:	7 January 2013

You are advised that your application is approved, subject to the attached conditions. These *Assessment Manager Conditions for Operational Works* may include conditions imposed by referral agencies and are referenced accordingly.

**1. DETAILS OF THE APPROVAL**

	<b>Development Permit</b>	<b>Preliminary Approval</b>
<ul style="list-style-type: none"> <li>• <b>Associated work</b> made assessable by the planning scheme:               <ul style="list-style-type: none"> <li>○ Building work</li> <li>○ Operational work - Road Works, Stormwater, Water Infrastructure, Drainage Works, Earthworks, Sewerage Infrastructure &amp; Landscaping</li> </ul> </li> </ul>	✓	x

## 2. RELEVANT PERIOD FOR THE APPROVAL

The relevant periods stated in section 341 of the *Sustainable Planning Act 2009* (SPA) apply to each aspect of development in this approval, as outlined below:-

- ✓ 2 years starting the day the approval takes effect.

OR

- ✓ the following relevant periods apply to the following aspects of development in this approval:-

If there is 1 or more subsequent related approvals for a development approval for a material change of use or a reconfiguration, the relevant period for the approval will be taken to have started on the day the latest related approval takes effect.

## 3. APPROVED PLANS

The approved plans and/or documents for this development approval are listed in the following table:

Plan No.	Rev.	Title	Date	Prepared By	Certified By
C5668/13/L01	-	Locality Plan And Drawing Index	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/L02	-	Overall Layout Plan	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/L03	-	Resort Layout Plan - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/L04	-	Resort Layout Plan - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/L05	-	Aerial Photo Overlay	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R01	-	Roadworks Master Plan - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R02	-	Roadworks Master Plan - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R03	-	Control Line Setout Plan - Sheet 1 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R04	-	Control Line Setout Plan - Sheet 2 Of 3	19/12/2012	Tate Professional	RPEQ NO 4665

				Engineers Pty Ltd	
C5668/13/R05	-	Control Line Setout Plan - Sheet 3 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R06	-	Control Line Setout Details - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R07	-	Control Line Setout Details - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R08	-	Roadworks Detail Plan - Sheet 1 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R09	-	Roadworks Detail Plan - Sheet 2 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R10	-	Roadworks Detail Plan - Sheet 3 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R11	-	Roadworks Detail Plan - Sheet 4 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R12	-	Roadworks Detail Plan - Sheet 5 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R13	-	Roadworks Detail Plan - Sheet 6 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R14	-	Roadworks Detail Plan - Sheet 7 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R15	-	Roadworks Detail Plan - Sheet 8 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R16	-	Road 1 Longitudinal Section - Sheet 1 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R17	-	Road 1 Longitudinal Section - Sheet 2 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R18	-	Road 1 Longitudinal Section - Sheet 3 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R19	-	Road 1 Typical	19/12/2012	Tate	RPEQ

		Cross Sections - Sheet 1 Of 2		Professional Engineers Pty Ltd	NO 4665
C5668/13/R20	-	Road 1 Typical Cross Sections - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R21	-	Road 1 Cross Sections - Sheet 1 Of 4	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R22	-	Road 1 Cross Sections - Sheet 2 Of 4	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R23	-	Road 1 Cross Sections - Sheet 3 Of 4	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R24	-	Road 1 Cross Sections - Sheet 4 Of 4	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R25	-	Road 2 & Road 3 Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R26	-	Road 2 & Road 3 Typical Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R27	-	Road 2 & Road 3 Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R28	-	Road 4 Longitudinal Section	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R29	-	Road 4 Typical Cross Sections - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R30	-	Road 4 Typical Cross Sections - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R31	-	Road 4 Cross Sections - Sheet 1 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R32	-	Road 4 Cross Sections - Sheet 2 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R33	-	Road 4 Cross Sections - Sheet 3 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665

C5668/13/R34	-	Road 5 Longitudinal Section	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R35	-	Road 5 Typical Cross Sections - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R36	-	Road 5 Typical Cross Sections - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R37	-	Road 5 Cross Sections - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R38	-	Road 5 Cross Sections - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R39	-	Road 6 & Road 7 Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R40	-	Road 6 & Road 7 Typical Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R41	-	Road 6 Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R42	-	Road 8 & Road 9 Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R43	-	Road 8 & Road 9 Typical Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R44	-	Road 8 Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R45	-	Road 10 & Road 11 Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R46	-	Road 10 & Road 11 Typical Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R47	-	Road 10 Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R48	-	Road 12 & Road 13 Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty	RPEQ NO 4665

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C5668/13/R49	-	Road 12 & Road 13 Typical Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R50	-	Road 12 Cross Sections - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R51	-	Road 12 Cross Sections - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R52	-	Road 14 & Road 15 Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R53	-	Road 14 & Road 15 Typical Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R54	-	Road 14 Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R55	-	Road 16 & Road 17 Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R56	-	Road 16 & Road 17 Typical Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R57	-	Road 16 Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R58	-	Road 18 & Road 19 Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R59	-	Road 18 & Road 19 Typical Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R60	-	Road 18 Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R61	-	Road 19 Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R62	-	Road 20 & Road 21 Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R63	-	Road 20 & Road 21 Typical Cross	19/12/2012	Tate Professional	RPEQ NO 4665

		Sections		Engineers Pty Ltd	
C5668/13/R64	-	Road 20 & Road 21 Cross Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R65	-	Intersection Details Plan - Sheet 1 Of 6	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R66	-	Intersection Details Plan - Sheet 2 Of 6	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R67	-	Intersection Details Plan - Sheet 3 Of 6	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R68	-	Intersection Details Plan - Sheet 4 Of 6	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R69	-	Intersection Details Plan - Sheet 5 Of 6	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R70	-	Intersection Details Plan - Sheet 6 Of 6	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/R71	-	Miscellaneous Details Sheet	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E01	-	Earthworks Master Plan - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E02	-	Earthworks Master Plan - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E03	-	Earthworks Detail Plan - Sheet 1 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E04	-	Earthworks Detail Plan - Sheet 2 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E05	-	Earthworks Detail Plan - Sheet 3 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E06	-	Earthworks Detail Plan - Sheet 4 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E07	-	Earthworks Detail	19/12/2012	Tate	RPEQ

		Plan - Sheet 5 Of 8		Professional Engineers Pty Ltd	NO 4665
C5668/13/E08	-	Earthworks Detail Plan - Sheet 6 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E09	-	Earthworks Detail Plan - Sheet 7 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E10	-	Earthworks Detail Plan - Sheet 8 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E11	-	Retaining Wall Details & Typical Sections Sheet	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E12	-	Resort Dam - Layout Plan	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E13	-	Resort Dam - Dam Wall & Spillway Details Plan	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E14	-	Resort Dam - Typical Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/E15	-	Erosion & Sediment Control - Miscellaneous Details	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/INF01	-	Infrastructure Compound Detail Plan	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/INF02	-	Water & Sewerage Storage / Treatment Area	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D01	-	Stormwater Drainage Master Plan - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D02	-	Stormwater Drainage Master Plan - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D03	-	Stormwater Drainage Detail Plan - Sheet 1 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D04	-	Stormwater Drainage Detail Plan - Sheet 2 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665

C5668/13/D05	-	Stormwater Drainage Detail Plan - Sheet 3 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D06	-	Stormwater Drainage Detail Plan - Sheet 4 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D07	-	Stormwater Drainage Detail Plan - Sheet 5 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D08	-	Stormwater Drainage Detail Plan - Sheet 6 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D09	-	Stormwater Drainage Detail Plan - Sheet 7 Of 8 \\	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D10	-	Stormwater Drainage Detail Plan - Sheet 8 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D11	-	Entry Road Culvert Details - Sheet 1 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D12	-	Entry Road Culvert Details - Sheet 2 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D13	-	Entry Road Culvert Details - Sheet 3 Of 3	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D14	-	Entry Road Culvert Details - Longitudinal Sections	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D15	-	Stormwater Longitudinal Sections - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D16	-	Stormwater Longitudinal Sections - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D17	-	Miscellaneous Stormwater Details	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/D18	-	Roofwater Infiltration System Details Sheet	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S01	-	Sewerage Reticulation Master Plan	19/12/2012	Tate Professional Engineers Pty	RPEQ NO 4665

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C5668/13/S02	-	Sewerage Reticulation Detail Plan - Sheet 1 Of 5	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S03	-	Sewerage Reticulation Detail Plan - Sheet 2 Of 5	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S04	-	Sewerage Reticulation Detail Plan - Sheet 3 Of 5	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S05	-	Sewerage Reticulation Detail Plan - Sheet 4 Of 5	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S06	-	Sewerage Reticulation Detail Plan - Sheet 5 Of 5	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S07	-	Sewerage Longitudinal Sections - Sheet 1 Of 4	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S08	-	Sewerage Longitudinal Sections - Sheet 2 Of 4	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S09	-	Sewerage Longitudinal Sections - Sheet 3 Of 4	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S10	-	Sewerage Longitudinal Sections - Sheet 4 Of 4	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S11	-	Sewerage Rising Main Long. Sections - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/S12	-	Sewerage Rising Main Long. Sections - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W01	-	External Water Supply Master Plan	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W02	-	Potable Water Supply Master Plan	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W03	-	Recycled Water Supply Master Plan	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W04	-	Electrical, Gas & Communications	19/12/2012	Tate Professional	RPEQ NO 4665

		Master Plan		Engineers Pty Ltd	
C5668/13/W05	-	Water Reticulation Detail Plan - Sheet 1 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W06	-	Water Reticulation Detail Plan - Sheet 2 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W07	-	Water Reticulation Detail Plan - Sheet 3 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W08	-	Water Reticulation Detail Plan - Sheet 4 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W09	-	Water Reticulation Detail Plan - Sheet 5 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W10	-	Water Reticulation Detail Plan - Sheet 6 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W11	-	Water Reticulation Detail Plan - Sheet 7 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/W12	-	Water Reticulation Detail Plan - Sheet 8 Of 8	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/CA01	-	Entry Road Culverts - Stormwater Catchment Plan	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/CA02	-	Entry Road Culverts - Stormwater Calculations	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/CA03	-	Resort Dam - Catchment Plan & Calculations	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/CA04	-	Resort Site - Stormwater Catchment Plan	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/CA05	-	Resort Site - Stormwater Calculations - Sheet 1 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
C5668/13/CA06	-	Resort Site - Stormwater Calculations - Sheet 2 Of 2	19/12/2012	Tate Professional Engineers Pty Ltd	RPEQ NO 4665
LOG010126-L01	-	Landscaping Plan	18/12/2012	Logic	-

		Overall Layout Plan		Environmental	
LOG010126-L02	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L03	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L04	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L05	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L06	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L07	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L08	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L09	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L10	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L11	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L12	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L13	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L14	-	Landscaping Plan	18/12/2012	Logic Environmental	-
LOG010126-L15	-	Landscaping Plan Dam Details	18/12/2012	Logic Environmental	-
LOG010126-L16	-	Typical Building Layouts	18/12/2012	Logic Environmental	-
LOG010126-L17	-	King Unit Building Layout	18/12/2012	Logic Environmental	-
LOG010126-L18	-	Destination Unit Building Layout	18/12/2012	Logic Environmental	-
LOG010126-L19	-	Landscape Details and Specifications	18/12/2012	Logic Environmental	-
LOG010126-L20	-	Landscape Details and Specifications Proposed Planting Schedule	18/12/2012	Logic Environmental	-
LOG010126-L21	-	Landscape Details Typical Road Sections	18/12/2012	Logic Environmental	-

#### 4. APPEAL RIGHTS

Attached is an extract from the SPA which details your appeal rights and the appeal rights of any submitters regarding this decision.

#### 5. WHEN THE DEVELOPMENT APPROVAL TAKES EFFECT

This development approval takes effect:-

- From the time the decision notice is given, if there is no submitter and the applicant does not appeal the decision to the court.

OR

- If there is a submitter and the applicant does not appeal the decision, the earlier date of either:
  - When the submitter's appeal ends; or
  - The day the last submitter gives the assessment manager written notice that the submitter will not be appealing the decision.

OR

- Subject to the decision of the court, when the appeal is finally decided, if an appeal is made to the court.

This approval will lapse if:-

- for a development approval other than a material change of use or reconfiguration, the development does not substantially start within the relevant period stated in section 2 of this decision notice.

Note that in the case of a development approval for a material change of use or for reconfiguring a lot, if there is 1 or more subsequent related approvals the relevant period for the material change of use or reconfiguration will restart from the date of the related approval taking effect. Please refer to section 341 of SPA for further information.

Should you wish to discuss this matter further, please contact **Council's Operational Works Unit** on **07 4975 8414**.

Yours faithfully



A E KEARNS  
CHIEF PLANNER

**Attached:      Conditions  
                    Appeal Rights  
                    Approved Plans**



## **ASSESSMENT MANAGER CONDITIONS**

*Sustainable Planning Act S335*

### **DEVELOPMENT APPLICATION NO. OPW/436/2013**

#### **OPERATIONAL WORKS**

Road Works, Stormwater, Water Infrastructure, Drainage Works, Earthworks,  
Sewerage Infrastructure & Landscaping

#### **TURTLE STREET RESORT**

Lot 8 CP 860464, Curtis, Lot 11 CP 860464, Curtis, Lot TL 220087

#### **SPECIAL CONDITIONS**

1. The applicant is to obtain all relevant building approvals for building works including retaining walls.
2. The applicant is to make application in relation to water and sewer works under the requirements of the Plumbing and Drainage Act 2002.
3. Any disturbance to the tidal area must be avoided or the area must be rehabilitated. Any excavation or filling must maintain the natural hydrology and prevent changes in water quality that would adversely affect the ecological values of the site.
4. The table drain, except where infiltration swales have been proposed, must be turfed/ vegetated to prevent erosion and provide quality treatment for stormwater to be discharged into the natural waterway.
5. Provide evidence of resource entitlement prior to construction of Road 12 situated outside the subject property site.

#### **PRIOR TO CONSTRUCTION COMMENCING**

6. Prior to commencing construction the applicant must arrange for a "Pre-start site meeting" which must be attended by a representative of the Gladstone Regional Council, the Contractor and the Supervising Engineer. All relevant Referral Agencies and other relevant Agencies including Ergon and Telstra shall be invited to attend.
7. Prior to construction commencing the applicant must lodge a construction security bond (in the form of cash or a bank guarantee) in the amount of 2.5% of the estimated cost of the construction of the works (or the minimum fee in accordance with Council's Fees

and Charges Schedule). The construction security bond must be lodged with Council prior to arranging a pre-start site meeting. The construction security bond is intended to cover action by Council required to provide for people safety, traffic safety, or for the protection of property or the environment where:

- A condition of this approval is breached; or
- additional scour protection measures are needed, or the installation and maintenance of erosion and sediment control measures is deficient, or other remediation works to the site are required where it has been left unattended for an unreasonably long period of time; and
- either the works need to be carried out by Council as a matter of urgency or the works need to be carried out by Council because the applicant has failed to comply with a notice to:
  - remedy a breach of this approval, or
  - provide for people safety, traffic safety, or to provide for the protection of property or the environment within a reasonable period of time.

The cost incurred by Council in actioning the above, will be recovered from the construction security bond.

The construction security bond shall be released when the construction phase works are complete and the works commence the maintenance / performance verification period.

Note: An administration fee will be charged to all new bonds accepted by Council.

8. The applicant / developer is to ensure that any existing easements over the site are protected during construction and are able to be accessed at all times.
9. The applicant must ascertain the existence and location of existing services associated with the development, including but not limited to water supply, sewerage, stormwater, gas, electricity and telecommunications services and must protect these services from damage and must rectify any damage or arrange for the rectification works to be carried out by the relevant service authority (at the applicant's expense) immediately the damage occurs.
10. Prior to commencing construction of stormwater drainage the applicant shall nominate a suitably experienced person in this field to perform the stormwater work. Works shall only be carried out with this nominated person on the site.
11. Prior to works commencing on any existing Council road, the applicant must forward a copy of a traffic management plan prepared and signed by a level three (minimum) accredited person with identification card number for all works to be carried out on existing roads showing how traffic will be managed in accordance with the Manual of Uniform Traffic Control Devices. The plan must outline the process delineating the works including Council notification and traffic control device placement plans in the vicinity of the works.

12. Before construction commences, a person or entity must be nominated as the community contact for the construction project to answer concerns of the community and Council (dust, emergency repairs etc)
13. A project sign shall be erected in a prominent location prior to commencement of construction and shall remain for the duration of construction.

Information on the sign shall identify the project including a brief scope of works, the name of the community contact for the project along with phone numbers and contact details etc. This contact must be available 16 hours each day during the construction period. Other details such as the contractor's, subcontractors' and developer's names may also be included.

All complaints received by the contact must be recorded including the resulting investigation undertaken, conclusions formed, and actions taken. This information must be available to Gladstone Regional Council or relevant government agency on request, to show that "environmental duty" has been exercised by the contractor, in order to avoid prosecution under the Environmental Protection Act.

#### **SUPERVISION OF WORKS**

14. The roadworks, stormwater, water infrastructure, sewerage infrastructure, earthworks, drainage and any other development works are to be executed under the supervision of a Registered Professional Engineer of Queensland and on completion of such work, the Applicant shall give to the Council, Construction Certificates from such Supervising Engineer, that the work has been constructed in accordance with this operational works permit and good engineering practice.

Such certificates must include the following information:

- a. Company name, address, & contact details.
- b. Engineer's name and position in company.
- c. Professional registration number (RPEQ) and signature
- d. Project name, location and Council reference number
- e. Full details of the work performed, including:
  - comprehensive and detailed "As Constructed" plans in AutoCAD and Adobe Acrobat "pdf" format. The plans must be certified by a Registered Surveyor in regards to the accuracy of the information provided (location, line, level etc) and certified by the Supervising Engineer (RPEQ) in regards to compliance with this Operational Works Permit. The applicant / consultants must liaise with Council's Operational Works Officers in regard to the detailed requirements for the electronic data.
  - quality control test results including material property, compaction testing, bitumen prime and seal spray rates, aggregate spread rates, AC compaction testing.

- a successful (defect free) CCTV report in accordance with the Water Services Association of Australia; including inclination graphs, on all stormwater and sewer lines. CCTV reports are required as part of the "On Maintenance" inspection and as part of the "Off Maintenance" inspection. Council reserves the right to utilise for its own purposes and for sale, the "as constructed" documentation provided.

**Note:** Sewer lines to be pressure cleaned prior to CCTV inspection.

- f. The relevant standards to which a product or installation complies
  - g. Quality assurance system in place, date of QA manual used and the Council proforma duly completed
  - h. Any maintenance procedures required for products certified to achieve the design life
15. The Supervising Engineer shall inspect the earthworks, roadworks and stormwater drainage, with the relevant Council officer also invited to attend each inspection, at the stages of construction as set out in the Gladstone Regional Council "Roads and Transport Standard 2005" and at the stages listed below. All works shall be carried out in accordance with this standard and good engineering practice. The supervising consulting engineer shall arrange a time for inspection at the following critical stages.
- a. culvert foundations
  - b. stormwater pipes backfilled to top of pipe
  - c. subgrade inspection
  - d. pre-laying of kerb and channel
  - e. pre-seal inspection
  - f. commencement of the on-maintenance / verification period
  - g. completion of the on-maintenance / verification period

Quality control documentation including compaction test results for culvert foundations shall be provided to Council prior to inspection by Council's Operational Works officers.

Quality control documentation including compaction test results and a check survey of the subgrade levels shall be provided to Council prior to the sub-grade inspection.

Quality control documentation including compaction test results and a check survey of the pre-seal pavement levels shall be provided to Council prior to the pre-seal inspection.

The supervising engineer must carry out a successful inspection of the works and must certify that the works are ready for inspection prior to inspection by Council's Operational Works officers. A minimum of 24 hours notice (by email or facsimile) is required by Council's Operational Works Officers.

The Supervising Engineer's inspection certificate and associated quality control documentation must be forwarded to Council prior to the time of the inspection.

Note: Re-inspection by Council's Operational Works Officers may attract a "re-inspection" fee.

16. Council's Operational Works Officers shall be invited to carry out verification inspections at salient phases of construction and may carry out random audit inspections during the course of construction.
17. A maintenance / performance verification security bond must be lodged with Council and prior to the works being accepted "on maintenance". The Applicant must lodge a maintenance / performance verification security bond (in the form of cash or a bank guarantee) in the amount of 5.0% of the estimated cost of the construction of the works (or the minimum fee in accordance with Council's Fees and Charges Schedule). The maintenance / performance verification security bond is intended to cover:
  - urgent action required by Council to provide for people safety, traffic safety and for the protection of property and the environment
  - installation of additional scour and environmental protection measures and the installation and maintenance of erosion and sediment control measures (where deficient)
  - rectification of defective work or the construction of new work resulting from design omissions or deficiencies
  - rectification of defective work or the construction of new work resulting from construction omissions or deficiencies
  - maintenance of the works

The maintenance / performance verification security bond shall be held by Council for a minimum period of 12 months. This period will be extended by Council to verify the integrity and performance of the works should actual or potential defects or omissions be identified.

Note: An administration fee will be charged to all new bonds accepted by Council.

## **GENERAL CONDITIONS**

18. Erosion and sediment control measures are to be implemented generally in accordance with the principles / practices described in the publication:

*IECA Best Practice Erosion & Sediment Control – November 2008.  
International Erosion Control Association (Australasia), Picton NSW.*

19. Before construction commences (prior to organising a pre-start meeting) a site specific Erosion and Sediment Control Plan (ESCP) certified by a RPEQ experienced in this type of work must be forwarded to Council for Council's records.
20. An updated ESCP (certified by a RPEQ) is to be provided to Council at the end of each calendar month (28<sup>th</sup> day of each month or immediately prior to this date) from October to May and on request

at any time during the remainder of the year throughout the course of construction.

21. The ESCP must be monitored by a RPEQ experienced in this type of work throughout the course of the operational works and in addition to the monitoring tasks outlined in the ESCP, the RPEQ is to carry out an audit of the ESCP at the end of each calendar month (28<sup>th</sup> day of each month or immediately prior to this date) from October to May and at the request of Council at any time during the remainder of the year. The results of the regular (monthly) audit and the Council requested audits must be forwarded to Council for their records.
22. The ESCP must include the following non-compliance procedures:
  - a) notify Council immediately of any non-compliance;
  - b) without delay, notify Council on how and when the non-compliance is to be investigated / managed / dealt with / rectified;
  - c) keep Council informed on progress (regular reports);
  - d) advise Council when the matter has been resolved.
23. Failure to advise Council and to rectify / deal appropriately and in a timely manner with an issue or occurrence that may result in compliance action by Council. Compliance tools available to Council include but are not limited to:
  - a) Warnings
  - b) penalty infringement notices
  - c) statutory / regulatory tools under the Sustainable Planning Act 2009 and the Environmental Protection Act 1994
  - d) prosecution (criminal offence)
24. In addition to the installation of environmentally responsible sediment, erosion control, scour protection or other long term stabilisation measures and prior to the works being accepted "on-maintenance", the following environmental protection measures must be installed:
  - a) Turfing of footpath (verge / nature strip) - full width (from the back of kerb to property boundary) turfing of all footpaths and associated open space / access areas.
  - b) Seeding plus hydromulching of areas disturbed during construction (including allotments). Topsoiling and hydromulching is to be carried out in accordance with the following specification:

Seeding and hydromulching must be undertaken as separate operations. The system described below aims to protect the soil surface against erosion by wind and water, and forms a protective barrier for the seed. When sufficient rain occurs, the seed will germinate under normal conditions. The ground will have a good protection from dust erosion and light 'rill' erosion should it rain.

- Drill seed with seed and fertiliser into the soil surface to be stabilised.
- Immediately follow-up with hydromulchings operation to the rates shown below. Note that mulching rates are 'dry weight' (i.e prior to adding water).
- Prevent or restrict vehicle traffic access to hydromulched areas wherever possible.
- Provide documentary evidence to Council that the site stabilisation has occurred in accordance with the specifications (e.g. certification by Superintendent and/or hydromulch contractor, as to nature and extent of stabilisation works undertaken, in particular the mulch application rate(s) used onsite).
- The applicant must achieve a minimum of 70% ground coverage over the total area prior to the works being accepted "off maintenance".

Minimum Application Rates Kg per 1000 m <sup>2</sup>					
Slope Gradient	FLAT		MEDIUM		STEEP
	<5%	5-12%	12-20%	20-50%	>50%
Seed Mix	8	8	8	8	8
Sugar Cane	140	155	175	200	280
Paper	60	67	75	86	120
Flax Blend	40	45	50	60	80
Fertiliser	20	20	20	20	20
Tackifier	3	3	4*	4*	6*

*Notes:*

1. the rates are 'dry weight', i.e. prior to adding water;
2. \* indicates non-rewettable tackifier must be used.
3. Flax blend comprises lucerne and linseed.
4. Dye may be used to gauge application coverage %

Seed Mixes			
	Summer Blend (applications November – February)	Mid Season Blend (applications March/April & September/October)	Winter Blend (applications May- August)
Unhulled green couch (Cynodon dactylon) or Blue couch (Digitaria didactyla)	25%	25%	25%
Hulled green couch (Cynodon dactylon) or Blue couch (Digitaria didactyla)	25%	25%	25%
Japanese millet	30%	15%	N/A
Rye grass	N/A	15%	30%
Carpet grass (Axonopus affinis)	20%	20%	20%

- c) Silt fencing of individual allotments - the silt fencing to each allotment is to be independent of the silt fencing to adjoining or other allotments. Silt fencing is to be non woven fabric and installed along the full length of an allotment boundary where

surface runoff crosses the boundary and is to return a 6m (minimum) distance along both side boundaries. The removal of silt fencing from one allotment is not to impact on the integrity of the silt fencing associated with adjoining allotments.

25. All disturbed areas are to be stabilised to minimise water and wind erosion within 30 days of the disturbance.
26. All roads to be constructed generally in accordance with TATE Engineers drawings C5668/13/AL01 to C5668/13/R71.

The proposed flexible pavement design must be approved by Council's Operational Works Unit prior to the commencement of pavement construction.

27. Flexible pavement design - Subgrade evaluation shall be undertaken in accordance with Austroads publications "Guide to Asset Management Part 5: Pavement Performance" and "Guide to Pavement Technology Part 2: Pavement Structural Design". Investigations are to include both field and laboratory testing.

a) Field Testing

- Visual description of sample including the material type and colour. (Unified Soil Classification system).
- Dynamic Cone Penetrometer test to a depth of 1.0m. (Main Roads Test Method Q114B to provide equivalent CBR results)
- Field moisture content.

a) Laboratory Testing

- Grading of the subgrade material
- Atterberg limits
- 4 Day Soaked CBR testing

A minimum of two soaked CBR tests shall be undertaken on each material type. Testing shall be in accordance with (Main Roads Test Method Q113C). The single point CBR test shall be carried out at OMC and at the density that will occur in service. Test methods shall be in accordance with the latest amendments to AS1289 (or the equivalent Main Roads Method) except in the case of the CBR and DCP tests which shall only be in accordance with Main Roads Methods.

Flexible pavements to be constructed on expansive subgrade material (classified as more expansive than moderately expansive in accordance with Table 5.2 of AUSTROADS Guide To Pavement Technology Part 2: Pavement Structural Design) must include as a minimum:

- a) A low-permeability lime stabilised (or equivalent) capping layer for the total width of the roadway and for 1.5m behind the back of kerbs.
- a) Shallow subsoil drains (above low permeability capping layer) with "Tideflex" (or equivalent) check valves and caps at all stormwater structures.

28. Any errors in or omissions from the plans and specifications detected during construction may be required by Council to be rectified in accordance with Gladstone Regional Council Design Standards, Reconfiguration Development Permit Conditions or other policies.
29. The Applicant shall be responsible for any alterations to electricity, telecommunications, water mains, sewers and/or any other public utility installations that may be affected by the construction of the roads and/or drainage, or any other works associated with the subdivision.

## ASSESSMENT MANAGER'S ADVICE

1. Aboriginal Cultural Heritage: It is strictly the Developer's responsibility to take all reasonable and practicable measures to ensure that the activity does not harm Aboriginal Cultural Heritage in accordance with the *Aboriginal Cultural Heritage Act 2003*.
2. Contaminated Land: It is strictly the Developer's responsibility to source information regarding contaminated land from the Environmental Protection Agency, Contaminated Lands Section, as Council has not conducted detail studies and does not hold detailed information pertaining to contaminated land.
3. Hours of Work: It is the developer/owner's responsibility to ensure compliance with *Part 3B, Section 440R* of the *Environmental Protection Act 1994*, which prohibits any construction, building and earthworks activities likely to cause nuisance noise (including the entry and departure of heavy vehicles) between the hours of 6.30pm and 6.30am from Monday to Saturday and at all times on Sundays and Public Holidays.
4. Dust Control: It is the developer/owner's responsibility to ensure compliance with *Part 3B* of the *Environmental Protection Act 1994*, which prohibits unlawful environmental nuisance caused by dust, ash, fumes, light, odour or smoke beyond the boundaries of the property during all stages of the development including earthworks and construction.
5. Sedimentation Control: It is the developer/owner's responsibility to ensure compliance with *Part 3C, Section 440ZG* of the *Environmental Protection Act 1994*, to prevent soil erosion and contamination of the stormwater drainage system and waterways.
6. Noise During Construction and Noise in General: It is the developer/owner's responsibility to ensure compliance with *Part 5A, Section 363C (3)* of the *General Emission Criteria* and *Part 5A, Section 363c (4)* of the *Noise Emission Criteria* of the *Environmental Protection Act 1994*.
7. General Safety of Public During Construction: It is the principal contractor's responsibility to ensure compliance with *Section 31* of the *Workplace Health and Safety Act 1995*. *Section 31(1)(c)* states that the principal contractor is obliged on a construction workplace to ensure that work activities at the workplace are safe and without risk of injury or illness to members of the public at or near the workplace.

Contact Officer: Renqi Shen  
Contact Phone Number.: 07 4977 6830  
Our Ref: OPW/436/2013

12 June 2015

Q R E Pty Ltd  
CARE Tate Professional Engineers Pty Ltd  
PO Box 1092  
MOOLOOLABA QLD 4557

Dear Sir/Madam

**EXTENSION OF CURRENCY PERIOD**  
**DEVELOPMENT APPLICATION NO. OPW/436/2013**  
**OPERATIONAL WORKS APPLICATION - ROAD WORKS, STORMWATER,**  
**WATER INFRASTRUCTURE, DRAINAGE WORKS, EARTHWORKS, SEWERAGE**  
**INFRASTRUCTURE & LANDSCAPING - TURTLE STREET RESORT**

**DESCRIPTION: LOT 8 CP 860464, CURTIS, LOT 11 CP 860464, CURTIS, LOT TL**  
**220087**

I refer to your recent application received by this office on the 4 June 2015 for an extension of the currency period for the above application.

I wish to advise that Council agrees to an extension for a further *24 months* from the date of the current expiry date being *26 July 2015*. As such, the abovementioned operational works approval now lapses on the *26 July 2017* unless works have substantially commenced.

Please be advised that Council would be unlikely to support any further requests for an extension of the currency period beyond this date.

Please note that the currency period for the associated approval (DA/99/2009) has not automatically been extended as a result of this development extension approval. The Development Application is due to lapse on *26 July 2017*. Therefore it is recommended that you liaise with Council's Planning Department in regards to any further required extensions.

Should you have any queries in relation to this matter, please contact Council's Engineer - Development, Renqi Shen on **07 4977 6830**.

Yours Sincerely



*AN* EMMA HAMILTON  
ACTING MANAGER TECHNICAL SERVICES

CC. David Douglas, QRE Pty Ltd