



City Administrative Centre

Bridge Road, Nowra NSW Australia 2541

Phone: (02) 4429 3111 • Fax: (02) 4422 1816 • DX 5323 Nowra

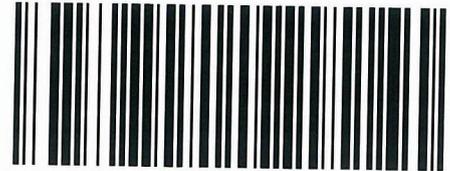
Address all correspondence to

The General Manager, PO Box 42, Nowra NSW Australia 2541

COUNCIL REFERENCE: 3A11/1000SW (D12/292642)
CONTACT PERSON: Matthew Kidd
YOUR REF: MP10_0240

4 December 2012

NSW Planning & Infrastructure - Major Projects Assessment
GPO Box 39
SYDNEY NSW 2000



PCU012760

Attention: Andrew Beattie

**Shoalhaven Water Comments – Final Environmental Assessment
MP10_0240 for RMS - Princes Highway Upgrades - Fox Grounds & Berry
Bypass**

I refer to your Final Environmental Assessment dated November 2012 in relation to the above noted project; Shoalhaven Water provides the following comments:

Shoalhaven Water requires the following statements to be included within any consent/approval –

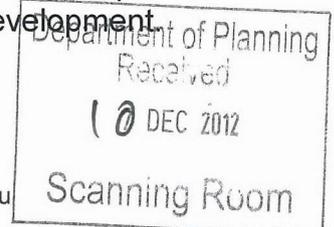
Prior to Commencement of Any Works.

Upon receipt of an Operational Development Consent or Operational Project Approval Shoalhaven Water requires the applicant/developer to apply in writing under Section 305 of Division 5 of Part 2 of Chapter 6 of the Water Management Act 2000 for a Certificate of Compliance from Shoalhaven Water. Relevant conditions/requirements, including monetary contributions (where applicable) under the Water Management Act 2000, can be provided under Section 306 of Division 5 of Part 2 of Chapter 6 of the Water Management Act 2000. A Development Application Notice issued by Shoalhaven Water will outline all conditions/requirements to be adhered to.

A Certificate of Compliance (CC) must be obtained to verify that all necessary requirements for matters relating to water supply and sewerage (where applicable) for the development have been made with Shoalhaven Water.

A Certificate of Compliance shall be obtained from Shoalhaven Water after satisfactory compliance with all conditions as listed on the Development Application Notice and prior to the issue of an Occupation Certificate, or project commissioning, as the case may be.

In the event that development is to be completed in approved stages or application is subsequently made for staging of the development, separate Compliance Certificates shall be obtained for each stage of the development.



Where proposed works impact on the operation, maintenance or serviceability of Council's water supply or sewer servicing assets the applicant shall relocate, deviate, protect or redirect these affected infrastructure prior to commencement of any works within 50m of that asset.

In addition to the requirements above Shoalhaven Water provide the following comments in relation to the Environmental Assessment -

The proposed works appears to impact on the following assets and detailed investigation will be required to determine the impact and rectification measures.

No.	Description	Approx. Ch	Approx Location	Asset Status
	WATER MAINS			
1	100mm uPVC reticulated water main	15750	Nth Tannery Rd	
2	50mm uPVC reticulated water main	16000	Woodhill Mt Rd	
3	150mm AC/C trunk water main	17500	North St	Critical
4	200mm AC/C trunk water main	17500	North St	Critical
5	100mm mPVC & AC reticulated water main	17600	Kangaroo Valley Rd	
6	150mm DICL reticulated water main	18000	Victoria St	
7	195mm uPVC trunk water main	18200	Hitchcocks Lane	Critical
	SEWER MAINS			
8	225mm uPVC sewer main CV/8A to CV/8	17600	North of Kangaroo Valley Rd	Critical
9	150mm uPVC sewer main CX/4 to CX/3	17700	Huntingdale Pk Rd	
10	150mm uPVC sewer main 5A/7 to 5B/1	17900	Lincoln Close	
11	225mm uPVC sewer main 5A/6 to 5A/5	18000	Victoria St	Critical

Section 4.2.11 Utility Services Sewer and water pipelines

- Shoalhaven Water has undertaken preliminary investigation into the deviation of gravity sewer lines which cross the proposed highway. It appears that subject to detailed investigation and design that diversion of the sewer from north of Kangaroo Valley Road may be achievable.

This redirection will increase the loading on the existing line 5B by approximately 104 ET's. This increase loading may have an impact on the downstream sewer pumping station and rising main (Pumping Station 5 & Rising main 5). Therefore the applicant will be required to undertake assessment of the capacity changes to the rising main and pumping station as a result of any deviations.

- **Shoalhaven Water does not approve concrete encasement of AC water mains. Any AC water main affected by the proposed works will need to be replaced in accordance with Shoalhaven Water's standards.**

Sewer and Water assets are not approved to be located under road pavements other than road crossings. Any approved assets (by Shoalhaven Water) proposed to be located under pavements will require to be relocated at the applicant/developer's expense.

If you need further information about this matter, please contact Matthew Kidd, Shoalhaven Water Group on (02) 4429 3439. Please quote Council's reference 3A11/1000SW (D12/292642).

Yours faithfully



Ljupco Lazarevski
Systems Development Engineer
Shoalhaven Water Group