

CORE OBJECTIVES – COMMUNITY LAND

36E Core objectives for management of community land categorised as a natural area

The core objectives for management of community land categorised as a natural area are:

- (a) to conserve biodiversity and maintain ecosystem function in respect of the land, or the feature or habitat in respect of which the land is categorised as a natural area, and
- (b) to maintain the land, or that feature or habitat, in its natural state and setting, and
- (c) to provide for the restoration and regeneration of the land, and
- (d) to provide for community use of and access to the land in such a manner as will minimise and mitigate any disturbance caused by human intrusion, and
- (e) to assist in and facilitate the implementation of any provisions restricting the use and management of the land that are set out in a recovery plan or threat abatement plan prepared under the Threatened Species Conservation Act 1995 or the Fisheries Management Act 1994.

36F Core objectives for management of community land categorised as a sportsground

The core objectives for management of community land categorised as a sportsground are:

- (a) to encourage, promote and facilitate recreational pursuits in the community involving organised and informal sporting activities and games, and
- (b) to ensure that such activities are managed having regard to any adverse impact on nearby residences.

36G Core objectives for management of community land categorised as a park

The core objectives for management of community land categorised as a park are:

- (a) to encourage, promote and facilitate recreational, cultural, social and educational pastimes and activities, and
- (b) to provide for passive recreational activities or pastimes and for the casual playing of games, and
- (c) to improve the land in such a way as to promote and facilitate its use to achieve the other core objectives for its management.

AMENDING PLANS OF MANAGEMENT

38 Public notice of draft plans of management

- (1) A council must give public notice of a draft plan of management.
- (2) The period of public exhibition of the draft plan must be not less than 28 days.
- (3) The public notice must also specify a period of not less than 42 days after the date on which the draft plan is placed on public exhibition during which submissions may be made to the council.
- (4) The council must, in accordance with its notice, publicly exhibit the draft plan together with any other matter which it considers appropriate or necessary to better enable the draft plan and its implications to be understood.

40 Adoption of plans of management

- (1) After considering all submissions received by it concerning the draft plan of management, the council may decide to amend the draft plan or to adopt it without amendment as the plan of management for the community land concerned.
- (2) If the council decides to amend the draft plan it must either:
 - (a) publicly exhibit the amended draft plan in accordance with the provisions of this Division relating to the public exhibition of draft plans, or
 - (b) if it is of the opinion that the amendments are not substantial, adopt the amended draft plan without public exhibition as the plan of management for the community land concerned.
- (2A) If a council adopts an amended plan without public exhibition of the amended draft plan, it must give public notice of that adoption, and of the terms of the amended plan of management, as soon as practicable after the adoption.
- (3) The council may not, however, proceed to adopt the plan until any public hearing required under section 40A has been held in accordance with section 40A.

40A Public hearing in relation to proposed plans of management

- (1) The council must hold a public hearing in respect of a proposed plan of management (including a plan of management that amends another plan of management) if the proposed plan would have the effect of categorising, or altering the categorisation of, community land under section 36 (4).
- (2) However, a public hearing is not required if the proposed plan would merely have the effect of altering the categorisation of the land under section 36 (5).
- (3) A council must hold a further public hearing in respect of the proposed plan of management if:

36H Core objectives for management of community land categorised as an area of cultural significance

(1) The core objectives for management of community land categorised as an area of cultural significance are to retain and enhance the cultural significance of the area (namely its Aboriginal, aesthetic, archaeological, historical, technical or research or social significance) for past, present or future generations by the active use of conservation methods.

(2) Those conservation methods may include any or all of the following methods:

(a) the continuous protective care and maintenance of the physical material of the land or of the context and setting of the area of cultural significance,

(b) the restoration of the land, that is, the returning of the existing physical material of the land to a known earlier state by removing accretions or by reassembling existing components without the introduction of new material,

(c) the reconstruction of the land, that is, the returning of the land as nearly as possible to a known earlier state,

(d) the adaptive reuse of the land, that is, the enhancement or reinforcement of the cultural significance of the land by the introduction of sympathetic alterations or additions to allow compatible uses (that is, uses that involve no changes to the cultural significance of the physical material of the area, or uses that involve changes that are substantially reversible or changes that require a minimum impact),

(e) the preservation of the land, that is, the maintenance of the physical material of the land in its existing state and the retardation of deterioration of the land.

(3) A reference in subsection (2) to land includes a reference to any buildings erected on the land.

36I Core objectives for management of community land categorised as general community use

The core objectives for management of community land categorised as general community use are to promote, encourage and provide for the use of the land, and to provide facilities on the land, to meet the current and future needs of the local community and of the wider public:

(a) in relation to public recreation and the physical, cultural, social and intellectual welfare or development of individual members of the public, and

(b) in relation to purposes for which a lease, licence or other estate may be granted in respect of the land (other than the provision of public utilities and works associated with or ancillary to public utilities).

(a) the council decides to amend the proposed plan after a public hearing has been held in accordance with this section, and

(b) the amendment of the plan would have the effect of altering the categorisation of community land under section 36 (4) from the categorisation of that land in the proposed plan that was considered at the previous public hearing.

Foreshore Reserves Policy (POL12/304)

3.11 STORMWATER

Foreshores are the interface between aquatic and terrestrial systems and can be heavily impacted by stormwater flowing into rivers, lakes, estuaries, wetlands or the ocean. Foreshore reserves play an important role in Council's stormwater management. They can provide stormwater detention and/or cleansing prior to discharge into receiving waters.

The practice of direct discharge of stormwater from private property into foreshore reserves can impact on the public enjoyment of the reserves through the creation of wet areas with consequent damage to vegetation unused to saturated root conditions and/or proliferation of weed growth. Stormwater from adjoining residences shall be managed via inter-allotment drainage and should discharge directly into a stormwater facility of Council (pit, drain, channel, pipe etc.) as permitted by the Local Government Act. Drainage of stormwater across public land will be via established drainage channels or underground pipes for which an easement will be required. The cost of easements shall be borne by the proponents or beneficiaries.

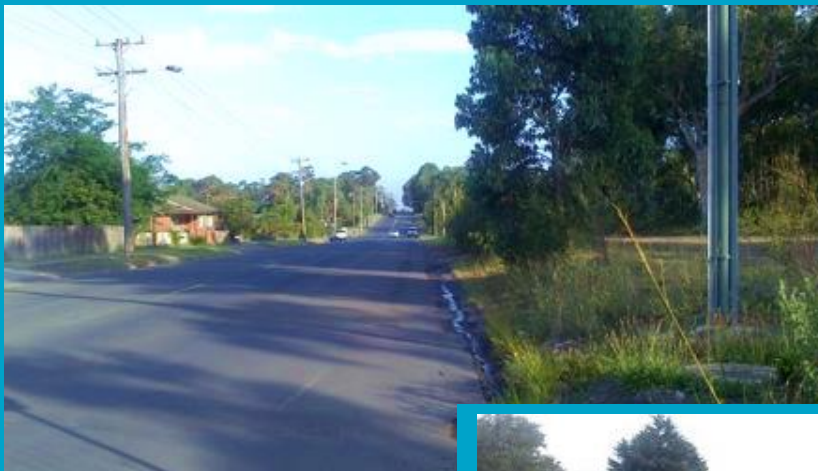
Policy Statement

- *Stormwater from adjoining residences shall be managed via inter-allotment drainage and should discharge via an approved easement directly into a stormwater facility of Council as permitted by the Local Government Act.*



Review of Environmental Factors

Rising Main 23 Bomaderry Extension / Augmentation Project



Environmental Assessment Review Checklist

Background:

Development in NSW is assessed in accordance with the provisions of the *Environmental Planning and Assessment Act 1979* (EP&A Act) and the *Environmental Planning and Assessment Regulation 2000* (EP&A Regulation). Part 5 of the EP&A Act provides for control of 'activities' that do not require approval or development consent under Part 4 of the EP&A Act, ensuring that public authorities fully consider environmental issues before they undertake or approve activities that do not require development consent.

Under Part 5 of the EP&A Act, a determining authority is defined as:

'a Minister or public authority and, in relation to any activity, means the Minister or public authority by or on whose behalf the activity is or is to be carried out or any Minister or public authority whose approval is required in order to enable the activity to be carried out.'

Shoalhaven Water is a Local Water Utility under the Water Management Act 2000 and a Business Unit of Shoalhaven City Council. Shoalhaven Water is therefore the proponent and determining authority for proposals carried out under their direction, under Section 110B of the EP&A Act.

Purpose:

This document has been developed to assist Shoalhaven Water (SW) in determining what level of environmental assessment is required for any given proposed works, and should a Review of Environmental Factors (REF) be required to be completed (development permitted without consent), the checklist provides prompts as to environmental factors that should be considered, including specialist input where required.

The checklist has been prepared to assist / guide Shoalhaven Water in the assessment of potential environmental impacts associated with proposed works. GHD note that the checklist is not however intended to replace the need to complete an environmental assessment.

Responsibility:

This environmental checklist shall be completed in consultation with a Shoalhaven City Council (SCC) Environmental Advisor. The Project Manager and Environmental Advisor must sign off on completion of this checklist. It is the responsibility of SW / SCC to periodically update this Checklist Template document to reflect any changes in legislative requirements and regulations. Also SCC / SW must ensure that all environmental requirements and considerations are addressed prior to undertaking activities or works that may affect the environment.

Procedure:

This *Environmental Management Checklist* consists of the following three parts, to be completed in order as required:

Part A – Proposal location and brief description of the works

Part B – Legislative considerations

Part C – Environmental assessment considerations

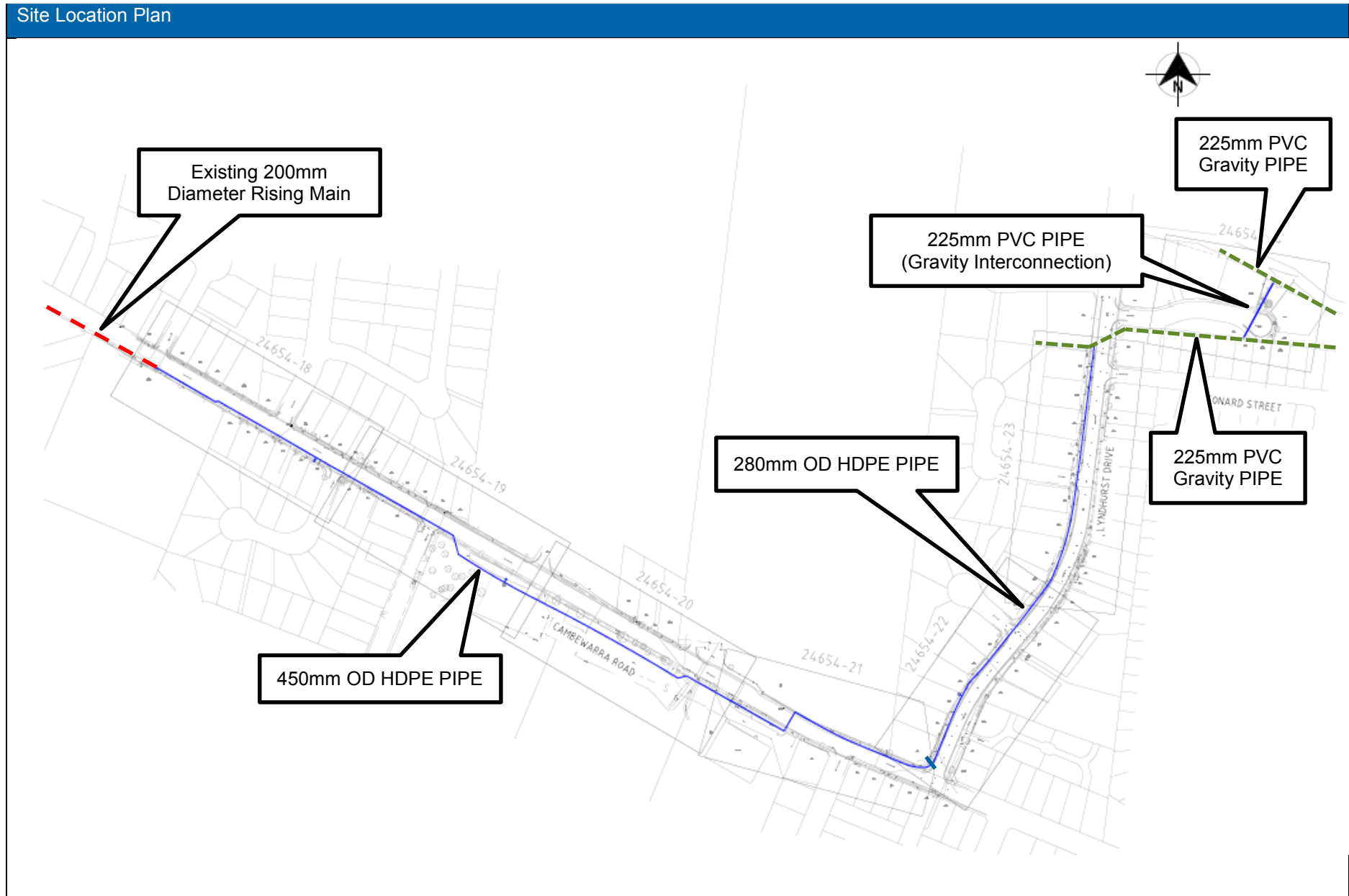
Final completion – Sign-off

Part A – Proposal location and description of proposed works

Date: 7 October 2015

Completed by: Ljupco Lazarevski

Project Name	Bomaderry SPS 23 Rising Main Extension	Location(s):	Cambewarra Road, Lyndhurst Drive & Ettrick Close, Bomaderry
Date of proposed work	April – June 2016		
Summary description of proposed works	Construction of a 450mm OD HDPE pipeline along Cambewarra Road and construction of a 280mm OD HDPE pipeline along Lyndhurst Drive to extend the existing rising main for sewage pumping station 23 Bomaderry Sewerage Scheme and connect to a new downstream location to mitigate potential overflows in the existing gravity reticulation system identified in the Shoalhaven Water, Wastewater Servicing Strategy June 2013. In addition a 225mm diameter gravity sewer main interconnecting gravity sewer lines to act as possible overflow line.		
	In the future the 450mm OD HDPE pipeline will become part of a new rising main to serve new sewage pumping station 26 Bomaderry Sewerage Scheme.		



Part B – Legislative considerations

Date: 7 October 2015

Completed by: Ljupco Lazarevski

Step 1 – Exempt Development

Under section 76 of the Act, exempt development is development of a specified class or description that is of minimal environmental impact and may be carried out without the need for development consent under Part 4 of the Act or for assessment under Part 5 of the Act.

1.1 Does the proposal satisfy the definition of exempt development in an environmental planning instrument (*refer to guidance notes below*)? Yes¹ No²

¹ Complete Section 1.2 and 1.3.

² Proceed to Part B Step 2.

Guidance Note: *State Environmental Planning Policy (Infrastructure) 2007 (ISEPP)* - Refer to the following regarding development exemptions:

- Sewage Systems – refer to requirements under Clause 107 of ISEPP
- Water Supply Systems – refer to requirements under Clause 127 of ISEPP
- For works not associated with sewage systems or water supply systems, refer to general exempt development codes in *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*

1.2 Is the proposal located on land which is critical habitat, part of a wilderness area or contain a state listed heritage item? Yes⁵ No³

³ Complete Section 1.3 below.

1.3 Is the proposal structurally adequate and meet any relevant deemed-to-satisfy provisions of the Building Code of Australia? Yes⁴ No⁵

⁴ Provide further detail below with regards to the exemption. No further assessment is required.

⁵ Provide further detail below with regards to the relevant legislation and proceed to Part C for environmental assessment considerations.

Further details regarding proposal exemption (If applicable)

Relevant legislation:

Relevant Clause:

Description / relevance to proposal:

Step 2 – Development without Consent Not required if development deemed to be exempt (refer to Step 1)

ISEPP includes provisions which permit certain developments to be undertaken without development consent, thereby enabling it to be assessed under Part 5 of the EP&A Act. In the case of development without consent, the determining authority needs to be satisfied that the potential environmental impacts associated with the construction and operation of the proposal have been assessed to the fullest extent possible. A Review of Environmental Factors (REF) is required if the determining authority considers that the proposal is unlikely to have a 'significant' impact on the environment. If a determining authority decides the proposal would be likely to significantly affect the environment, it must obtain and consider an Environmental Impact Statement (EIS).

2.1 Does the proposal satisfy the definition of development permitted without consent (refer to guidance notes below)? Yes ⁶ No ⁷ NA

⁶ Complete Section 2.2 and 2.3 below.

⁷ Additional planning approval pathways may need to be considered. Consult Council Planner or external consultant.

Guidance Note: *State Environmental Planning Policy (Infrastructure) 2007 (ISEPP)* - Refer to the following regarding development permissibility:

- Sewage Systems – refer to requirements under Clause 106 of ISEPP
- Water Supply Systems – refer to requirements under Clause 125 of ISEPP
- For other works not associated with sewage systems or water supply systems, refer to specific activities under Part 3 of ISEPP or provisions set out in the *State Environmental Planning Policy (Exempt and Complying Development Codes) 2008*.

2.2 Is the proposal likely to significantly affect the environment? Yes ⁷ No ⁸

⁸ Complete Section 2.3 below.

2.3 Is the proposal to be carried out on land that is critical habitat, or is the proposal likely to significantly affect a threatened species, population or ecological community or its habitat? Yes ⁷ No ⁹

⁹ Provide further detail below with regards to the relevant legislation and proceed to Part C for environmental assessment considerations.

Further details regarding development without consent (If applicable)

Relevant legislation:

- **Environmental Planning Assessment Act 1979**
- **Shoalhaven Local Environmental Plan (SLEP) 2014**
- **Threatened Species Conservation Act 1995**
- **Native Vegetation Act 2008**
- **Water Management Act 2000**
- **Crown Lands Act 1989**
- **Protection of the Environment Operations Act 1997**
- **Heritage Act 1977**

Relevant Clause:

Description / relevance to proposal:

Environmental Planning Assessment Act 1979:- Permissible

Justification:

- The Infrastructure SEPP provides for this work to be undertaken without development consent (refer above).
- In circumstances where development consent is not required, the environmental assessment provisions outlined in Part 5 of the Act are required to be complied with. This REF fulfils this requirement.

Shoalhaven Local Environmental Plan (SLEP) 2014:- Permissible

Justification: Development consent is not required as the provisions of the Infrastructure SEPP prevail over the SLEP.

Threatened Species Conservation Act 1995:- Permissible

Justification: The proposed development is unlikely to have a significant impact on species and communities listed in the schedules of the Act. A licence to harm, pick, etc, is not required.

Native Vegetation Act 2008:- Permissible

Justification: The Act does not apply to "any clearing that is, or is part of, an activity carried out by a determining authority within the meaning of Part 5 of the EPA Act if the determining authority has complied with that Part". As the Council will comply with Part 5 (Environmental Assessment) of the EP&A Act, Council is legislatively excluded from the Native Vegetation Act 2003.

Water Management Act 2000:- Permissible

Justification:

- Local councils are exempt from s.91E(1) of the Act in relation to all controlled activities that they carry out in, on or under waterfront land (by virtue of clause 38 of the Water Management (General) Regulation 2004).

The proposal will not interfere with the aquifer and therefore an interference licence is not required (s.91F).

Crown Lands Act 1989:- Permissible

Justification: The activity is to take place within Council Road reserves and council owned properties.

Protection of the Environment Operations Act 1997:- Permissible

Justification: The proposed activity does not constitute scheduled development work or scheduled activities as listed in Schedule 1 of the Act. The proposed activity therefore does not require an environmental protection licence.

Heritage Act 1977:- Permissible

Justification:

- The proposed activity will not disturb an item of state heritage significance.
- The Act also provides statutory protection to relics, archaeological deposits, artefacts or deposits. Section 139 to 146 of the Act require that excavation that is likely to contain, or is believed may contain, archaeological relics is undertaken in accordance with an excavation permit issued by the Heritage Council. The Act defines an archaeological relic as “any deposit, artefact, object or material evidence that:
 - relates to the settlement of the area that comprises New South Wales, not being Aboriginal settlement; or
 - is of state and local heritage significance”

As the site has little to no (non-indigenous) archaeological potential, a permit is not required.

✓Part C – Environmental Assessment Considerations

Date: 7 October 2015

Completed by: Ljupco Lazarevski

Aspect	Ref.	Consideration	Y/N	Information to be considered	Assessment/Comments	Further actions
Land-use	LU1	What is the current zoned land use of the area of proposed works and what are the nearby land-uses that may be impacted by the proposal?	-	Local environmental plan (LEP). Topographic maps and site inspections. Identification of sensitive land uses and proximity to the proposal including residential areas, hospitals, aged care facilities, child care centres, schools, etc.	Under SLEP2014 the proposed development is located within the following zones: SP2, RE1, R2 & R3. Other surrounding zones include B5. SLEP2014 outline under the Environmental Layers that part of the proposed development is close to/adjacent: - SCC Threatened Species (fauna) - Potentially Contaminated Lands - Bushfire Prone Lands (Vegetation Category 2 and Vegetation Buffer). Site inspections have been carried out during the planning and design phases of the project. Council's GIS information has also been used. The proposal is adjacent to: - Residential area, - Bomaderry High School, - Bomaderry Public School (~400m away), - Council Sporting Complex (Artie Smith Oval & Shoalhaven Basketball Stadium), - Bomaderry Sporting Complex (Various sporting activities including Council pool) - Commercial land The proposal runs through: - Council Sporting Complex (Artie Smith Oval & Basketball Stadium), and - Council reserve – Lot 61 DP 264635 Ettrick Close, Bomaderry.	Shoalhaven Water shall invite comment from affected residents, Department of Education, Shoalhaven City Council, Sporting Clubs whom utilise the sporting facilities, Community Consultative Bodies of the local area & bus company in respect of the proposal. Shoalhaven Water has received approval to design the new 450mm OD HDPE pipeline through Artie Smith Oval
	LU2	Will the activities be required to be undertaken within land reserved under the NPW Act (NPWS)?	No			
	LU3	Is the proposal to be undertaken within or near a National Park, Marine Park, travelling stock route, state forest or conservation area?	No			
	LU4	Will the works impact on or be in the vicinity of other services?	Yes	A Dial Before You Dig must be undertaken prior to any works commencing in order to locate buried services. Consultation with representative service owners / providers should be undertaken in the design phase of the proposal.	All services through DBYD have been located and are marked on the design plans.	The contractor awarded the work will be required to carry out their own DBYD & Service Locations.

<p>Soil and geology</p>	<p>SG1</p>	<p>Will the works require excavation?</p> <p>Will the works result in permanent changes to surface slope or topography?</p>	<p>Yes</p> <p>No</p>	<ul style="list-style-type: none"> • Extent of excavation. • Proximity to sensitive receivers (including waterways). • Duration of the works. • Consider if earthworks will affect other structures or prevent right of access. • Consideration of Aboriginal heritage impacts (refer to AH1 – AH5). 	<p>Excavation work is limited to trenches for pipeline and fittings. Refer to overall design plan.</p> <ul style="list-style-type: none"> - Depth of trenches up to 3m deep, - Width of excavation up to 4.0m wide plus 4m for plant/materials. - Length (814m x 450mm OD HDPE pipe & 828m x 280 OD HDPE pipe & 57m x 225mm PVC pipe) <p>No sensitive receivers except for Mulgen Creek where a short interconnection (225mm diameter gravity line) is proposed to be constructed to connect two gravity sewer pipelines. Work ends near Mulgen Creek (approximately 25m to centre of creek as set out in Council GIS).</p> <p>Up to 3 months</p> <p>Earthworks will not impact on other structures. Cambewarra Rd route will have the pipeline run through Council's Sporting Complex (Artie Smith Oval & Shoalhaven Basketball Stadium). The design of the pipeline will run within the front boundary of the property, however, it will not impact on future proposed buildings. Where excavation works are close to other infrastructure (such as power poles), the contractor shall ensure that the relevant authority is contacted and their requirements adhered to before progressing with construction work. Temporary access restrictions during construction to private properties along the route of the pipeline will occur.</p> <p>An Aboriginal Heritage Information Management System assessment (AHIMS Web Service (AWS)) was issued on 24 April 2014. The results of the search resulted in:</p> <ul style="list-style-type: none"> - Zero Aboriginal sites recorded in or near the locations of the pipeline route along Cambewarra Rd, Lyndhurst Drive and Ettrick Close. - Zero Aboriginal places have been declared in or near the locations of the pipeline route along Cambewarra Rd, Lyndhurst Drive and Ettrick Close. 	<p>The contractor will be required to provide erosion and sediment control measures along the route of the pipelines to ensure that the flow of stormwater is controlled and sediment from trenches is not displaced.</p> <p>Contractor is required to ensure access is restored as soon as practicable and to ensure safe pedestrian access is available.</p>
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				Depending on the area of ground that will be disturbed an Erosion and Sediment Control Plan or a Soil and Water Management Plan may be required to be included in the Construction Environmental management Plan (CEMP). Information regarding which is applicable and the requirements can be found in the Blue Book - <i>Erosion and sediment control - Managing Urban Stormwater: Soils and Construction</i> (Landcom, 2004) (the Blue Book).		The contractor will be required to provide erosion and sediment control measures along the route of the pipelines to ensure that the flow of stormwater is controlled and sediment from trenches is not displaced.
SG2	Are there acid sulfate soils within or immediately adjacent to the boundaries of the work area? And could the works result in the disturbance of acid sulfate soils?	No	Acid sulphate soils risk maps - http://www.environment.nsw.gov.au/acidsulfatesoil/riskmaps.htm If Acid Sulfate Soils will or may be disturbed an Acid Sulfate Soil Management Plan may be required to be prepared prior to construction in accordance with the Acid Sulfate Soil Manual (Acid Sulfate Soils Management Advisory Committee, 1998) - http://www.planning.nsw.gov.au/rdaguidelines/documents/NSW%20Acid%20Sulfate%20Soils%20Assessment%20Guidelines.pdf This plan is not required as part of the REF but should be mentioned as a requirement.			
SG3	What are the soil and geology characteristics of the area to be impacted and what implications might this have on the works? i.e. are the soils highly erodible?	No soils are not highly erodible.	Relevant geological maps http://www.resourcesandenergy.nsw.gov.au/miners-and-explorers/geoscience-information/products-and-data/maps/geological-maps	Geotechnical Investigations have been prepared by Douglas Partners "Proposed Sewer Main Upgrade Cambewarra Road, Lyndhurst Drive and Ettrick Close, Bomaderry", Project 78650 December 2014. Report generally notes that the material will predominately comprise of stiff to hard gravelly clay and sandy clay which will be suitable for re-use as backfill material. The report's findings will be used in the design and to assist with erosion and sediment control measures.	The report's findings can be made available to the contractor.	
SG4	Are the works located within an area known to have elevated soil salinity?	No	http://www.environment.nsw.gov.au/salinity/basics/salineareas.htm			
SG5	Are there any known or potential areas of contamination in the area to be disturbed?	No	EPA contaminated lands register - http://www.epa.nsw.gov.au/prclmapp/search/register.aspx Historical land uses (historical aerial photos) Licensed premises (Environment Protection Licenses) in the vicinity of the works - http://www.epa.nsw.gov.au/prpoeoapp/	No lands impacted by the pipeline have been listed under Council's GIS as "Potentially Contaminated Lands".	However, Lot 2 DP 655641 Princes Hwy, Bomaderry is listed under Council's GIS as "Potentially Contaminated Lands" and is adjacent to part of the pipeline (CH 0 to CH 75m). The contractor shall be made aware of this potential issue.	

Surface water and groundwater	SGW1	Will the proposal require the ground disturbance or vegetation removal within 40 m of any waterway / watercourse?	Yes	Consideration of a controlled activity approval (NSW Office of Water) - http://www.water.nsw.gov.au/Water-Licensing/Approvals/default.aspx Pursuant to Clause 38 of the Water Management (General) Regulation 2004, public authorities are exempt from the requirements of Section 91 of the Water Management Act 2000.	Shoalhaven Water is an authority for the purposes of water supply and sewerage services and as such is exempt pursuant to Section 91(E) of the WMA.	Council as the authority is exempt under the WMA.
	SGW2	Could the works impact upon a drinking water catchment area?	No	Refer to specific requirements of the drinking water authority with regards to restriction of certain activities and necessary approvals and permits. Sydney Catchment Authority - http://www.sca.nsw.gov.au/water/supply/system		
	SGW3	Will pipe flushing activities result in potable water being discharged to a waterway?	No	Sensitivities of receiving waters to be considered. Consideration to be given to de-chlorination of discharge waters if possible, depending on volumes and chlorine concentrations. Other factors such as pH and suspended solids should also be considered when assessing impact on receiving waters.		
	SGW4	Will the project impact on local surface or groundwater quantity, availability or amenity?	No	Must be a consideration in an Erosion Control Management Plan (if this is required for the water protection). Construction Dewatering Licence (Office of Water) should be consideration (if required for large quantities).		The contractor to provide erosion and sediment control measures along the route of the pipelines
	SGW5	Will the groundwater table be intercepted in any way?	Yes	If ground water is intercepted through construction or investigative works (i.e. borehole drilling and or installation of piezometer), a groundwater licence should be considered. http://www.water.nsw.gov.au/water-licensing/about-licences Application for a groundwater licence: http://www.water.nsw.gov.au/_data/assets/pdf_file/0007/547108/form_licence_wa03_groundwater_licence.pdf	From boreholes logs, ground water found at No.'s 3 and 4 at depths of 1.3m and 1.5m respectively. The geotechnics report outlines that conventional "sump & pump" methods of dewatering a trench will be possible.	The Contractor shall be required to provide dewatering of ground water in accordance with the geotechnics report.
	SGW6	Could the proposal impact on any existing bores?	No	http://www.water.nsw.gov.au/realtime-data/groundwater		
	SGW6	Is the proposal located within a 1/100 year flood area? Will the proposal be impacted by or impact upon flood prone areas?	No	LEP Maps – Flood zoning Consideration be given to impacts on the proposal to exacerbate flooding in a flood event. For larger scale projects, flood modelling may need to be considered. For all proposals within a flood prone area, flood management and response should be addressed in the CEMP.		

Ecology	E1	Could the works affect any <i>Environment Protection and Biodiversity Conservation Act 1999</i> listed threatened species, ecological community or migratory species? Does the proposal require impact to any EPBC matters?	No	Approval under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) may be required for certain actions or activities. Refer to the link below for a list of EPBC approval considerations: http://www.environment.gov.au/epbc/does-you-need-approval Department of Environment Protected Matters Search tool: http://www.environment.gov.au/topics/about-us/legislation/environment-protection-and-biodiversity-conservation-act/protected		
	E2	Could the works affect any <i>Threatened Species Conservation Act (1995)</i> listed threatened species, populations or ecological communities?	No	Office of Environment and Heritage Wildlife Atlas database http://www.environment.nsw.gov.au/atlaspublicapp/UI_Modules/ATLAS/AtlasSearch.aspx For impact on such species, populations or ecological communities, refer to the <i>Threatened Species Assessment Guidelines (The assessment of significance)</i> - http://www.environment.nsw.gov.au/resources/threatenedspecies/tsaguide07393.pdf	In accordance with Council's GIS mapping of Threatened Species, only the gravity sewer pipeline in Ettrick Close is adjacent to the Brittlebird habitat. However, the work is outside of the designated polygon area.	Contractor to be made aware of adjacent Threatened Species habitat area for Brittlebird.
	E3	Will the proposal require the removal of any native vegetation?	No	<ul style="list-style-type: none"> • The total area of plants or vegetation communities to be cleared or modified and the species. • Whether the vegetation provides important habitat for native species including threatened species (e.g. hollow-bearing trees, roosting sites etc.), and if so the area, condition and value of the habitat • Whether an Endangered Ecological Community (EEC) may be affected and if so the area, condition and value of the community. • The likely response of the species, population or vegetation community to the type of disturbance proposed. • An Assessment of Significance (seven part test) in accordance with S.5A of the EP&A Act is required for any threatened species, population, ecological community or their habitats related to the site. This must be appended. • Figures clearly showing the area of disturbance including access roads, construction corridors and mapped flora and fauna details. 		

Environmental Assessment Review Checklist

E4	Is the proposal going to impact on any potential fauna habitat e.g. hollow bearing trees?	No	Impact on potential fauna habitat, in particular threatened habitat, is to be considered in the assessment.		
E5	Are there any crevices or other locations (such as bridges and culverts) for potential bat habitat likely to be disturbed by the proposal?	No	Impacts on bats and potential bat roostings to be considered in the assessment.		
E6	Will the proposal disturb any areas of noxious weeds?	No	Appropriate weed management and disposal is to be undertaken as per Department of Primary Industries' guidelines. For weed prevalence and management requirements, refer to the following: http://weeds.dpi.nsw.gov.au/		
E7	Do the works require the potential impact on fish passage?	No	Should the proposal involve dredging, reclamation, temporary blocking of creeks and any other activity potentially obstructing fish passage, the Minister for Primary Industries should be notified in accordance with Section 199 and 218 of the Fisheries Management Act 1994.		
E8	Will the works impact on any potential koala habitat?	No	<i>State Environmental Planning Policy 44 Koala Habitat Protection</i> (SEPP 44) aims to encourage the 'proper conservation and management of areas of natural vegetation that provide habitat for Koalas to ensure a permanent free-living population over their present range and reverse the current trend of Koala population decline'. Schedule 1 of SEPP 44 lists the local government areas (LGA) to which SEPP 44 applies. It should be noted that SEPP 44 does not apply to Part 5 activities, however where possible, the works should be undertaken with consideration to the SEPP 44 objectives. http://www.legislation.nsw.gov.au/inforcepdf/1995-5.pdf?id=b7eb6f0e-5ebf-11dd-8fae-00144f4fe975		
E9	Is there any important vegetation or habitat (i.e. SEPP 14 Urban Bushland, SEPP 14 Wetlands, SEPP 26 Littoral Rainforest) within or adjacent to the work area?	No	SEPP 14: http://www.legislation.nsw.gov.au/maintop/view/inforce/epi+532+1985+cd+0+N SEPP 26: http://www.legislation.nsw.gov.au/maintop/view/inforce/epi+111+1988+cd+0+N		

	E10	Could the works impact on any aquatic flora or habitat (i.e. seagrasses, mangroves)?	No	NSW DPI is responsible for the management of fish and marine vegetation, including mangroves, under the Fisheries Management Act 1994 (FM Act). Any development or activity that may harm mangroves must be referred to NSW DPI for approval. DPI Mangroves Fact Sheet: http://www.dpi.nsw.gov.au/data/assets/pdf_file/0020/236234/mangroves.pdf DPI Seagrass Fact Sheet: http://www.dpi.nsw.gov.au/data/assets/pdf_file/0019/203149/seagrasses-primefact-629.pdf		
Noise and vibration	NV1	Are there residential properties or other sensitive land uses or areas that may be affected by noise from the proposal during construction? (i.e. schools, nursing homes, residential areas or native fauna populations)?	Yes	Consider the likely impacts on the identified receivers, taking into consideration hours of operation, distance, surrounding land use, existing background noise etc.	The construction works is located within the Bomaderry urban area. Located along the route are developments including: high school, sporting complexes, commercial lands, residential housing.	The contractor shall ensure minimal disturbance to local residents, high school, sporting complexes, commercial lands and traffic (pedestrian and vehicular). To minimise impacts the contractor shall: <ul style="list-style-type: none"> - Standardise work hours, - Maintain and fit plant with noise suppressing fittings where applicable, - Contact Residents in advance and make them aware of noisy periods, - Shut down plant when not in use to reduce vibration - Be required to minimise vehicle movements/speeds to further reduce noise, visual and air pollution.
	NV2	Will any receivers be affected by noise for greater than three weeks?	No	The assessment of construction noise impacts must be carried out in accordance with the <i>Interim Construction Noise Guidelines</i> (DECC 2009). If sensitive receivers will be impacted for greater than 3 weeks a quantitative assessment is required. http://www.epa.nsw.gov.au/resources/noise/09265cng.pdf		
	NV3	Are there sensitive land uses or areas that may be affected by noise from the proposal during operation?	No	The assessment of operational noise impacts must be in accordance with the <i>NSW Industrial Noise Policy</i> (DECC, 1999). http://www.environment.nsw.gov.au/resources/noise/ind_noise.pdf		

	NV4	Will the works be undertaken during standard working hours? <ul style="list-style-type: none"> Monday – Friday: 7am to 6pm Saturday: 8am to 1pm Sunday and public holidays: no work 	Yes	For works to be undertaken outside of the normal construction working hours, refer to the <i>Interim Construction Noise Guidelines</i> (DECC 2009) for the approval and consultation process. http://www.epa.nsw.gov.au/resources/noise/09265cng.pdf		Contractor will be required to provide works program outlining working periods to be approved by the principal.
	NV5	Will the works result in vibration being experienced by any surrounding properties or infrastructure?	Yes	Potential impacts from vibration during construction and/or operation must be quantified. Refer to <i>Assessing Vibration: a technical guideline</i> (DEC, 2006) http://www.environment.nsw.gov.au/resources/noise/vibrationguide0643.pdf	It is likely that impacts from vibration will be minimal. This may be experience in areas where rock excavation takes place.	To minimise impacts the contractor shall: <ul style="list-style-type: none"> Maintain and fit plant with noise suppressing fittings where applicable, Contact Residents in advance and make them aware of noisy periods, Shut down plant when not in use to reduce vibration.
Air quality and energy	AE1	Are the works located in an area or adjacent to land uses that may be highly sensitive to dust, odours, or emissions? (e.g. schools, hospitals, nursing homes) .	Yes	Consider the likely impacts on the identified receivers, taking into consideration distance, surrounding land use, existing background air quality etc.	The high school, Council's sporting complexes & residential properties may be affected by the works during construction.	Contractor will have procedures in place to control dust & minimise fumes/emissions from plant. To minimise impacts the contractor shall: <ul style="list-style-type: none"> Contact Residents in advance and make them aware of potentially dusty periods, Shut down plant when not in use to reduce vibration & emissions. Be required to minimise vehicle movements/speeds to further reduce noise, visual and air pollution.
	AE2	Is the existing environment characterised by poor air quality (i.e. industrial / agricultural land use)?	No	Consideration to the existing air quality in the vicinity of the proposal is to be included in the assessment.		
	AE3	Could the works generate odours (during construction or operation)?	Yes	Mitigation measures to be addressed in the REF and CEMP for odour minimisation and control.	Odours may be generated when interconnecting to the existing sewage system at Cambewarra Rd, Lyndhurst Dr and Ettrick Place.	Contractor to have procedures in place to control dust & minimise fumes/emissions Council to install odour control unit on Manhole 3F/12 to allow ventilation of the gravity sewer main after the connection of the rising main to the gravity main.
	AE4	Could the works result in dust generation?	Yes	Mitigation measures to be addressed in the REF and CEMP for dust minimisation and control.	Dust may be generated when trench/s are left open during windy periods.	Contractor to have measures in place to minimise dust that may be emitted during construction period.

	AE5	Will the works involve the use of fuel-driven heavy machinery or equipment?	Yes	Consideration regarding the operation of plant and machinery to be considered in the assessment. Minimise air quality impacts where possible.		Contractor's hours of operation will be controlled via the contract and approval by the principal. Traffic management plans shall be prepared by the contractor and approved for operation. High noise and emission emitting plant shall be required to operate intermittently where possible.
	AE6	Have energy use considerations been included in the project design?	N/A	Energy usage and savings to be considered in the assessment.		
Non-Aboriginal heritage	NAH1	<p>Are there any heritage items listed on the following registers within or in the vicinity of the work area (see note 1):</p> <ul style="list-style-type: none"> Local government register NSW heritage database (includes section 170 and local items) Commonwealth EPBC heritage list 	No	<p>Items of state or local heritage significance listed on the State register, a government agency Section 170 register or in a Councils Local Environment Plan can be searched for on the State Heritage Register located at: http://www.environment.nsw.gov.au/heritageapp/heritagesearch.aspx</p> <p>Consider the likely impacts on any identified items or places of non-Aboriginal heritage significance, taking into consideration distance and proposed activities.</p> <p>An application to the Heritage Council may be required if disturbance or excavation of any land in NSW that is likely to contain archaeological remains. There are two types of applications, depending on whether the site is listed on the State Heritage Register.</p> <p>Section 60 form – required to disturb or excavate sites listed on the State Heritage Register or to which an interim heritage order (IHO) applies: http://www.environment.nsw.gov.au/resources/heritagebranch/heritage/s60applicationform.pdf</p> <p>S140 Archaeological Permit & S144 Permit Variation Form – required to disturb or excavate sites not listed on the State Heritage Register http://www.environment.nsw.gov.au/resources/heritagebranch/heritage/S140-S144Frm2013.pdf</p>		
Aboriginal heritage	AH1	Will the works result in ground disturbance?	Yes	A due diligence assessment to assess the likelihood of Aboriginal heritage impacts must be carried out - refer to the Code of Practice to ensure all requirements are met. The minimum requirements for a level 1 due diligence assessment is outlined in the Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW (OEH 2010).	Project is to take place with Cambewarra Road, Lyndhurst Drive, Ettrick Place and within Council owned lands (Lots 1 & 2 Sec 2 DP2886, Lot 2 DP130891 & Lot 61 DP264635).	AHIMS Report dated 2 nd December 2015 shows no recorded sites of Aboriginal heritage. Refer to appendix A.

				http://www.environment.nsw.gov.au/resources/cultureheritage/ddcop/10798ddcop.pdf		
	AH2	Are there any previously identified Aboriginal items or places in the vicinity of the proposal?	No	Undertake a basic search of the Aboriginal Heritage Information Management System: http://www.environment.nsw.gov.au/awssapp/Login.aspx?ReturnUrl=%2fawssapp%2fSimpleSearch.aspx Location of previously identified places / items to be considered in the assessment.		
	AH3	Will the works occur in the location of one or more of these landscape features and is on land not previously disturbed? <ul style="list-style-type: none"> • Within 200 m of waters. • Located within a sand dune system. • Located on a ridge top, ridge line or headland. • Located within 200 m below or above a cliff face. • Within 20m of or in a cave, rock shelter or a cave mouth. 	No	These items are addressed in the Due Diligence Code of Practice for the Protection of Aboriginal Objects in NSW (OEH 2010) and should be considered / documented in the assessment.	Land has been previously disturbed by creation of subdivision and provision of services (eg, roads, water supply, sewerage services, etc)	
	AH4	Would the proposal require the removal of mature trees?	No	Check to ensure that the trees do not contain scarring or markings that may indicate Aboriginal activity on the past. http://www.environment.nsw.gov.au/resources/cultureheritage/ScarredTreeManual.pdf	Design has taken into consideration trees along the route of the pipeline ensuring that there is adequate distance between pipeline and tree/s.	
	AH5	Is further investigation required to determine potential impacts on items or places of potential Aboriginal heritage significance?	No	Refer to the Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW http://www.environment.nsw.gov.au/resources/cultureheritage/20110263ACHguide.pdf	An Aboriginal Heritage Information Management System assessment (AHIMS Web Service (AWS)) was issued on 2 nd December 2015. The results of the search resulted in: <ul style="list-style-type: none"> - Zero Aboriginal sites recorded in or near the locations of the pipeline route along Cambewarra Rd, Lyndhurst Drive and Ettrick Close. - Zero Aboriginal places have been declared in or near the locations of the pipeline route along Cambewarra Rd, Lyndhurst Drive and Ettrick Close. 	AHIMS Report dated 2 nd December 2015 shows no recorded sites of Aboriginal heritage. Refer to appendix A.
Visual amenity	VA1	Are the works visible from residential properties or other land uses that may be sensitive to visual impacts?	No	Affected residents/businesses/land owners must be consulted with and issues considered during the project design phase.	Construction works are visible. However, once completed works (ie, pipelines) will not be visible. Surface boxes for stop valves and small pits for gas release valves and scour connection points will be visible on the surface.	Consultation will be undertaken in accordance with Council's Community Engagement Policy.

	VA2	Are the works located in areas of high scenic value?	No	Affected residents/businesses/land owners must be consulted with and issues considered during the project design phase.		
	VA3	Will the works involve night work requiring lighting?	Unkn own	Notification must be given to local residences prior works being undertaken.	No part of works is planned to be undertaken during the night.	However, should this eventuate then contractor shall need to obtain approval from the principal before providing written notification to affected landowners providing details and adequate lead time.
	VA4	Is the proposal likely to cause impacts on the visual or scenic landscape?	No	Description of the extent of the nature of the impact is required. Consider impacts in the assessment.		
Traffic and access	TA1	Is the proposal likely to affect any state, regional or local roadways and or road reserves?	Yes	For impact on State and regional roadways and road reserves, consultation may be required with NSW Roads and Maritime Services to determine approval and permit requirements. Similarly, for local roadways, the local council may need to be consulted with regards to road opening permits and road occupancy licenses and or any other approvals required for potential impacts on local roadways. Consider a traffic management plan as part of the CEMP.	The local road network will be affected by the proposal as part of the pipeline is located with the trafficable area and there are also road crossings.	The contractor shall obtain Section 138 approval for construction within the roads prior to commencing any works. Contractor shall have an approved traffic management plan in operation prior to commencing any works.
	TA2	Is the proposal likely to interrupt traffic movement on the surrounding road networks?	Yes	Refer to above.	The local road network will be affected by the proposal as part of the pipeline is located with the trafficable area and there are road crossings.	The contractor shall obtain Section 138 approval for construction within the roads prior to commencing any works. Contractor shall have an approved traffic management plan in operation prior to commencing any works.
	TA3	Will the works disrupt access to private properties?	Yes	Notification must be given to local residences prior works being undertaken. Control measures to be detailed in the CEMP.	Property owners will be affected by access to private lands.	The contractor shall provide written notification to all property owners who have their access disrupted. Contractor to liaise with property owner/s to ensure temporary access for entry/egress from properties affected is available.
	TA4	Are the works located in an area that may be highly sensitive to movement of vehicles or machinery to and from the work site (i.e. schools, quiet streets)?	Yes	Notification must be given to local residences prior works being undertaken. Control measures to be detailed in the CEMP.	The works within Council's Sporting Complex may impact on vehicular (bus) movements during that part of the project. Local school/s will also be affected by the works during drop off and pick up times including special events (eg, excursions, sporting carnival).	Contractor shall have an approved traffic management plan. The contractor shall provide written notification to all affected property owners. Contractor to directly contact local school/s to co-ordinate work outside of normal school periods where practicable.

Social and Economic	SE1	Is the proposal located within or near an item that might be of high social value to the community?	Yes	Consideration to be given to the location of items such as local landmarks, memorials, parks, cemeteries, places of worship etc.	The proposal may impact on the operation of the Shoalhaven Basketball Stadium and oval.	Detailed consultation will take place between the contractor and the operators of the facilities (including sporting clubs) to minimise the impact on the normal operation of activities.
	SE2	Is the nature of the proposal going to influence access or visibility businesses, farms or tourist attractions?	Yes	Potential impacts as a result of the proposal on businesses, farms and tourist attraction are to be considered in the assessment.	The main businesses are public schools, Council Sporting Complexes & some commercial development.	Contractor shall have an approved traffic management plan in operation prior to commencing any works. Contractor to ensure access to businesses is available and to ensure traffic control is in place.
	SE3	Is the nature of the proposal likely to impact the number of available on-street car parking?	Yes	Potential impacts as a result of the proposal on on-street parking are to be considered in the assessment.	The impact on on-street parking is only for the duration of works and limited to the construction area at the time.	Contractor to ensure on-street parking available where possible and be safe for use.
Waste	W1	Is the proposal likely to generate non-hazardous waste?	Yes	All waste generated as a result of the proposal is to be managed and disposed in accordance with the Waste Classification Guidelines (EPA, 2014): http://www.epa.nsw.gov.au/resources/waste-regulation/140796-classify-waste.pdf The REF should estimate the main types of waste that may be generated and specify options or requirements for handling and disposal, with consideration given to the EPA's <i>Waste Less, Recycle More Initiative</i> : http://www.epa.nsw.gov.au/wastestrategy/waste-less-recycle-more.htm	Excess soil and construction material (such as concrete asphalt pavement material, pipe offcuts, etc) will be generated.	Contractor is responsible to dispose of excess material at appropriately designated waste disposal sites.
	W2	Is the proposal likely to generate hazardous waste?	Yes	All waste generated as a result of the proposal is to be managed and disposed in accordance with the <i>Waste Classification Guidelines</i> (EPA, 2014): http://www.epa.nsw.gov.au/resources/waste-regulation/140796-classify-waste.pdf	Asbestos cement material may be found during excavation.	Hazardous waste (such as asbestos cement) will be removed. This is outlined under W3.
	W3	Is the proposal likely to generate waste asbestos material?	Yes	For management and disposal requirements, refer to the NSW WorkCover <i>Code of Practice; How to manage and control asbestos in the workplace (2011)</i> . http://www.workcover.nsw.gov.au/_data/assets/pdf_file/0015/15216/how-to-manage-control-asbestos-workplace-code-of-practice-3560.pdf	Asbestos cement material may be found during excavation.	The impact is minimal, however, the contractor shall comply with all relevant requirements for identification, collection, storage, transportation and disposal of Asbestos Cement.

	W4	Is the proposal likely to generate acid sulfate soils or potential acid sulfate soils that may require on-site treatment and or off-site disposal?	No	Management of acid sulfate soils is to be undertaken in accordance with the Acid Sulfate Soils Assessment Guidelines (Acid Sulfate Soils Management Advisory Committee, 1998) and the Waste Classification Guidelines (Part 4): Acid Sulfate Soils (EPA, 2014): http://www.planning.nsw.gov.au/rda/guidelines/documents/NSW%20Acid%20Sulfate%20Soils%20Assessment%20Guidelines.pdf http://www.epa.nsw.gov.au/resources/waste/regulation/140798-acid-sulfate-soils.pdf Consider the need to undertake intrusive field investigation to determine the presence and strength of acid sulfate soils on the proposal site.	A review of Council's GIS under the Environmental Layer indicates that there are no Acid Sulphate Soils in the work areas.	
	W5	Is the proposal likely to generate liquid waste (groundwater extraction or otherwise) they will require management and disposal?	Yes	The use of on-site treatment and reuse on site is to be considered. All waste materials are to be managed and disposed in accordance with the NSW Waste Classification Guidelines (EPA, 2014): http://www.epa.nsw.gov.au/resources/waste/regulation/140796-classify-waste.pdf	Free groundwater has been observed at Bore holes 3 (1.40m deep (RL42.9)) and 4 (1.7m deep (RL41.8)) at each side of the Cambewarra Rd crossing adjacent to the Basketball Sports Centre Stadium.	The contractor shall be required to monitor groundwater and dispose of in accordance with geotechnical report.
Cumulative impact	CI1	Will there be a combination of impacts from other projects in the vicinity (e.g. traffic impacts from the proposal and residential development works combining to result in an overall significant impact)?	No	To be considered in the assessment	Currently there are no other planned developer works in the vicinity.	However, should any development commence during the construction phase then appropriate communications will be undertaken by the contractor to ensure mitigation of impact on community where the impact is significant.

Final Completion – Sign off

- Part A ✓
- Part B ✓
- Part C ✓

Name of Person who prepared the REF	Signature	Position	Completion Date
Ljupco Lazarevski		Unit Manager Projects/Development	10-12-2015

DETERMINATION

This Review of Environmental Factors has assessed the likely environmental impacts (in the context of Clause 228 of the Environment Protection and Assessment Regulation 2000) of a proposal by Shoalhaven City Council (Shoalhaven Water Group) for the construction of a sewerage rising main along Cambewarra Road and Lyndhurst Drive and a gravity main in Ettrick Close Bomaderry.

Shoalhaven City Council has considered the potential environmental effects of the proposal and the effectiveness and feasibility of measures for reducing or preventing detrimental effects. It is determined that:

1. It is unlikely that there will be any significant environmental impact as a result of the proposed work.
2. The proposed safeguards identified in the report shall be adopted and implemented.
3. An Environmental Impact Statement is not required for the proposed works.
4. The proposed activity is not likely to significantly affect threatened species, populations or ecological communities, or their habitats and a Species Impact Statement is not required.
5. No additional NSW statutory approvals, licences, permits or concurrences are required.

Carmel Krogh

Director Shoalhaven Water
Shoalhaven City Council

Date:

APPENDIX – A

AHIMS REPORT



AHIMS Web Services (AWS) Search Result

Purchase Order/Reference : RM23

Client Service ID : 202162

Shoalhaven Water

Date: 02 December 2015

PO Box 42

Nowra New South Wales 2541

Attention: Samantha Mcdonald

Email: samantha.mcdonald@shoalhaven.nsw.gov.au

Dear Sir or Madam:

AHIMS Web Service search for the following area at Lat. Long From : -34.8482, 150.5945 - Lat. Long To : -34.8398, 150.6078 with a Buffer of 0 meters, conducted by Samantha Mcdonald on 02 December 2015.

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of the Office of the Environment and Heritage AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

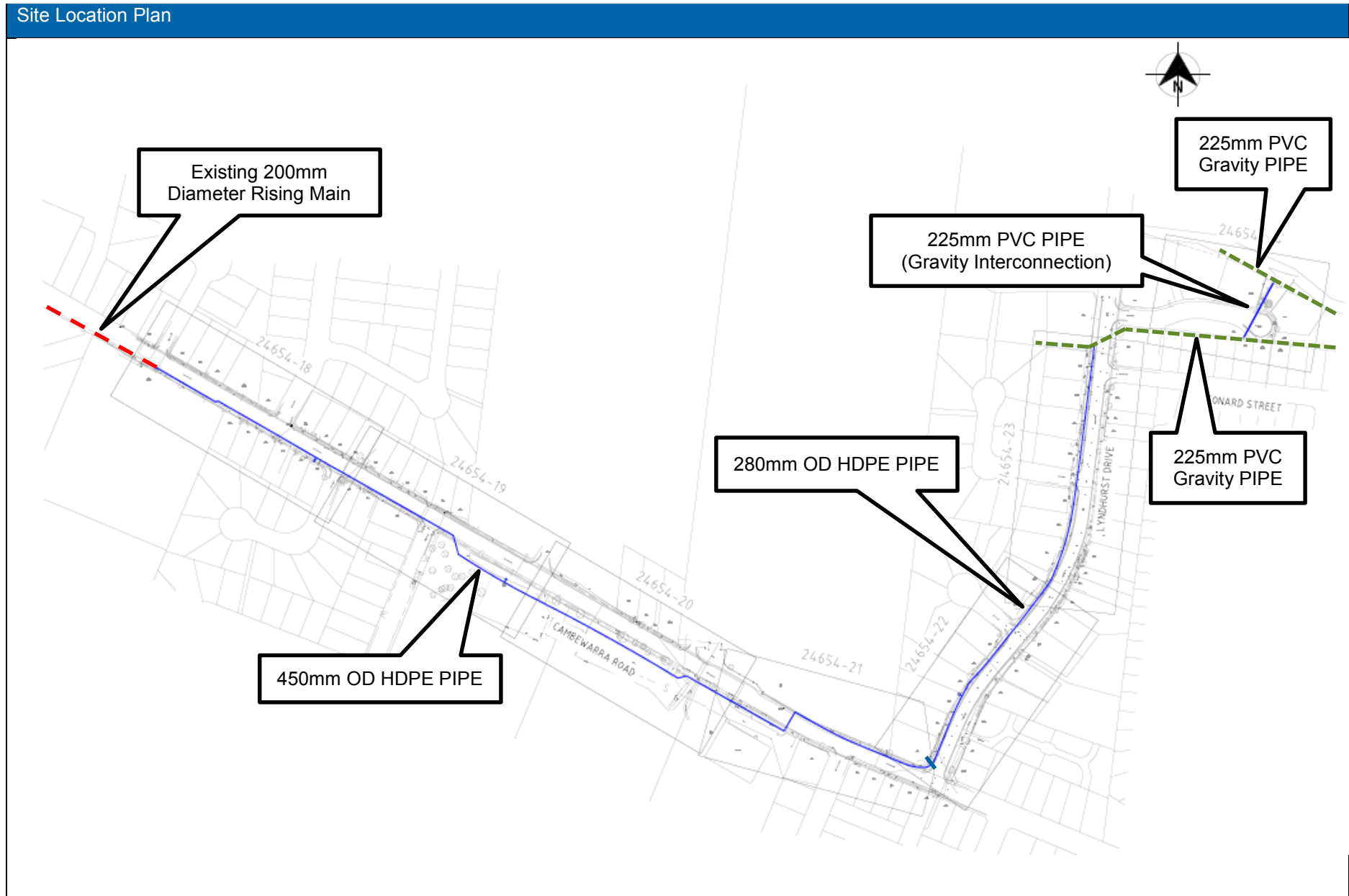
0	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location. *

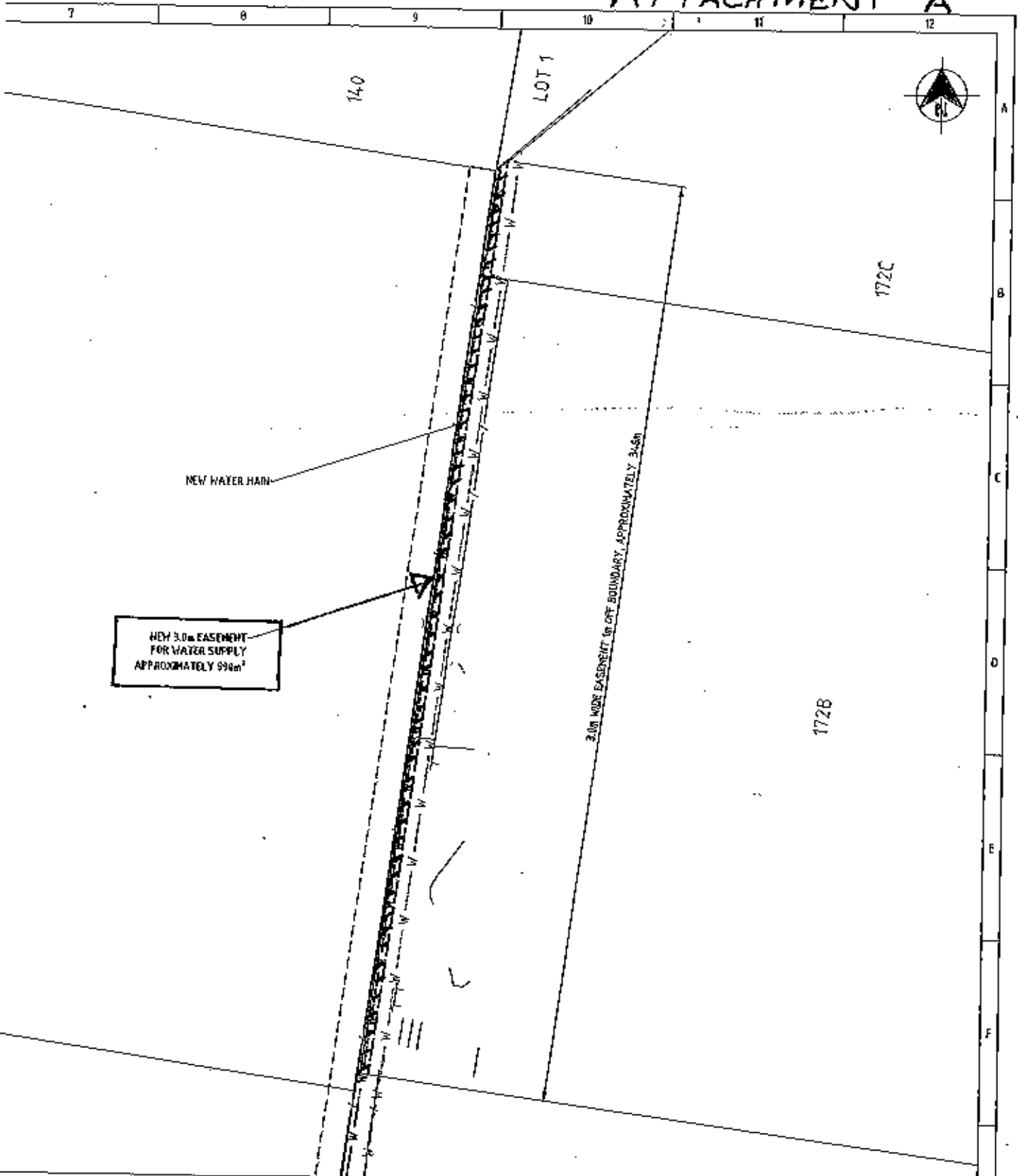
If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette \(http://www.nsw.gov.au/gazette\)](http://www.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Office of Environment and Heritage's Aboriginal Heritage Information Unit upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Office of Environment and Heritage and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

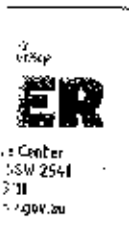




NOTE:

ALL DIMENSIONS ARE SUBJECT TO FINAL SURVEY

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION



DESIGNED:	DATE:	COMPANY:	TITLE:					
DRAWN:	DATE:	COMPANY:	MINOR MAINS REPLACEMENT PROGRAMME					
CHECKED:	DATE:	COMPANY:	POINTER ROAD, YAT'JE YATTAH					
APPROVED:	DATE:	COMPANY:	NEW WATER MAIN AND 3m WIDE EASEMENT					
			SKETCH PLAN	CONSULTANT REFERENCE No.	INDEX:	DRAWING No.	SHEET	REV No.
						21457	004	A



Attachment 1
RECEIVED
11 DEC 2015
COUNTER SERVICES

11/12/2015

Shoalhaven City Council
Attention: Russ Pigg
PO Box 42
Nowra NSW 2541

Shoalhaven City Council

Received

14 DEC 2015

File No.

DA15/2244

Referred to:

M. Shannon

Dear Russ,

RE: DA 15/2244 Request connection to Town Sewer

I am writing this letter on the progress of our building development at North Nowra.

I would like to request connection to Councils reticulated sewer system under the Rural Wastewater Connection Policy. My property is at 3 Rock Hill Rd, North Nowra and is a 2800 square metre block. My Property is within 75 metres of Councils sewer main and would be served by a gravity sewer. I would propose to purchase Councils pressure sewer system which would be more appropriate for a residential lot.

I have attached a report on the site and soil investigation report for on-site wastewater management. The report shows that on-site disposal is possible but impacts the site considerably, and that distances from structures and pools has limited the use of the site. After construction of sheds, pools and house I would be left with minimal recreational area.

I believe there is capacity in the existing sewer system for 1 additional lot in this area. I am also aware the sewage treatment plant is being upgraded. If approved, I would prepare sewage reticulation plans for connection into the nearest manhole by a qualified engineer. I'm also aware of the section 64 charges and the sewer availability that would be required. All sewage to be discharged is of a domestic nature.

Could you please review my request and put to Council for a resolution.

I look forward to working with you on this matter. I have attached a copy of the wastewater report for your information.

We look forward to your favourable reply.

Kind regards,

Chance Hanlon
Managing Director



A family
owned
Australian
business



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A.B.N. 12 000 957 228



