Schedule of Submissions – Proposed Structure Plan – Lot 9500 Bremer Bay Road

No.	Submitter	Comments	Officers Recommendation
1	Water Corporation PO Box 100 LEEDERVILLE WA 6007	 a) The proposed area is within the Bremer Bay Water Zone; however, the proposed yields are higher than what's been planned for. The water source is currently constrained, and the source and conveyance planning teams will need to investigate what would be required to incorporate the increased demand in the long-term planning. b) The developer is expected to provide all water and sewerage reticulation if required. A contribution for Water may also be required. In addition, the developer may be required to fund new works or the upgrading of existing works and protection of all works. Water Corporation may also require land being provided for works. 	a) Note b) Note
2	Main Road WA PO Box 503 ALBANY WA 6331	 a) Main Roads has no in principle objection to the proposed land use in this location. b) Main Roads supports the proposed short to medium term access plans from the Bremer Bay Roads subject to Main Roads approval of more suitable plans for the intersecting connection with the Bremer Bay Road. c) Main Roads supports the proposed BAR intersection treatment as a minimum intersection requirement. 	a) Note b) Note c) Note

- d) Main Roads would not support the construction of an intersection that does not meet the minimum requirements of Main Roads Supplement to the Austroads Guide to Road Design Part 4A: Unsignalised and Signalised Intersections
 e) The currently proposed location of the Gorrie Way intersection demonstrates
- e) The currently proposed location of the Gorrie Way intersection demonstrates restricted sight distance to the West and is also located directly opposite the existing access of Lot 205.
- f) Main Roads does not support the currently proposed internal road layout within the development where adjacent to the existing road reserve boundary of the Bremer Bay Road. This would have negative road safety and amenity consequences.
- g) Main Roads would recommend an alternate internal road layout and/or a suitable buffer is provided to mitigate potential hazards emanating from the road.
- h) Main Roads does not support additional direct access from Bremer Bay Rd to any separate Lots or the POS.
- Main Roads notes the pedestrian and cycle traffic is not provided for in the current proposal, planned connectivity with the existing networks should be further developed with a focus on access to

d) Note

e) Note

- f) Uphold- amend the internal road network to relocate the southern road so that is not adjacent the Bremer Bay Road.
- g) Uphold Refer submission 3.f).
- h) Uphold apply a restrictive covenant prohibiting access to Bremer Bay Road on the Public Open Space and Lots 109 and 110.
- i) Uphold place a pedestrian and cycle pathway with the Structure Plan Area to access to schools other community amenities

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			chools and other community amenities		without accessing Bremer Bay
		th	at does not include this traffic type		Road.
		ac	ccessing the Bremer Bay Road reserve.		
		j) M	ain Roads notes the lack of amenity	j)	Uphold – amend the plan to show
		pr	rovided at the proposed POS and		a vehicle parking area within the
		re	commends provisions for public use		Public Open Space.
		in	cluding vehicle parking are integrated into		
		th	e plans.		
		k) M	ain Roads seeks further clarification on the	k)	Note
		m	edium to long term access plans to the		
			est of the proposed development as any		
		ot	ther additional direct access to Bremer Bay		
		Ro	d is not supported.		
		l) M	ain Roads considers that Dion Ende Road	l)	Note
		is	the proffered Western connection point		
		W	ith the Bremer Bay Road and advises that a		
		fu	ture upgrade of the existing intersection to		
		М	ain Roads requirements shall be required		
		to	service the future access requirements		
		fo	r development West of Lot 9500.		
3	Department of Water	Water Re	esources		
	and Environmental	a) Th	ne draft Bremer Bay Local Structure Plan -	a)	Note
	Regulation	Lo	ot 9500 Borden-Bremer Bay Road, Bremer		
		Ва	ay (received 19/06/24) dLSP) for the		
		pr	oposed development has the potential to		
		af	fect water dependent ecosystems of the		
		W	ellstead Estuary because of their		
		se	ensitivity to contamination associated with		
		la	nd use and development.		
		la	na use ana development.		

<u> </u>		<u></u>
	b) The Draft State Planning Policy 2.9 Planning	b) Note
	for Water. (dSPP 2.9) applies to the	
	development, particularly section 8 which	
	defines the subject area as a sensitive water	
	resource area, as land which drains to, and	
	is within two kilometres of, the estuarine	
	area of the Wellstead Estuary.	
	Bremer Bay Public Drinking Water Source Area	
	(PWDSA)	
	c) The proposed development is in the Bremer	c) Note
	Bay Public Drinking Water Source Area	
	(PDWSA) (Bremer Bay Water Reserve) which	
	is proclaimed under Country Areas Water	
	Supply Act 1947. The Bremer Bay Water	
	Reserve covers the southwest corner	
	portion of Lot 9500 Borden -Bremer Bay	
	Road Bremer Bay (subject area) and	
	includes both Priority 1 (P1) and Priority 2	
	(P2) areas.	
	d) The southwest corner portion of the subject	d) Note
	area in the PDWSA is zoned as Recreation	,
	an Open Space under the Local Planning	
	Scheme, and is proposed as Public Open	
	Space in the draft Local Structure Plan	
	(dLSP).	
	e) The proposed development states uses as	e) Note
	low risk passive recreation i.e. walking the	,
	dog or similar activities. These are	
	compatible activities under WQPN 25 Land	
	Compatible detivities under WQ1 W 25 Earlu	

- use compatibility tables for PDWSAs for P1 and P2 areas.
- f) The P2 area of the PDWSA surrounds the P1 area, and extends beyond the dLSP proposed Public Open Space, into portions of the subject area that the dLSP and Appendix 3 Subdivision concept proposes for residential lots.
- g) The Department does not support the current planning for residential subdivision envelope extending into the P2 of incompatible land use as noted in WQPN 25 Land use compatibility tables for PDWSAs.

Bremer Bay Groundwater Area (proclaimed under RIWI 1914)

- h) The entire subject area is within the Bremer Bay Groundwater Area, a proclaimed resource under Rights in Water and Irrigation Act 1914 (RIWI 1914) which extends beyond the PDWSA.
- i) Planning for subdivision in the Bremer Bay Groundwater Area must demonstrate water, stormwater, and wastewater management with strategies that will protect the proclaimed groundwater resource from pollution in accordance with Draft SPP 2.9 Planning for water policy policies:
 - 6.13 Planning and development in public drinking water sources maximises the long-term protection

f) Note

g) Uphold – Amend the structure plan to ensure residential development is located outside of the P2 area of the PDWSA.

h) Note

 i) Uphold – the development is to either be connected to the reticulated sewerage system or where this is not feasible lots are services by a secondary treatment unit with nutrient removal.

	and management of water quality	
	and quantity for public drinking water	
	supply	
	 7.2 i) minimise export of nutrient and 	
	non-nutrient contaminants entering	
	water resources, and	
	 7.2 l) demonstrate that infrastructure 	
	and site management practices are	
	in place to manage contaminants,	
	particularly within sensitive water	
	resource areas and public drinking	
	water source areas, and	
	 7.2 m) Local planning schemes and 	
	local planning policies should, in	
	accordance with the Guidelines: m)	
	include site-specific measures where	
	relevant to manage the potential	
	impacts on water quality and protect	
	water resources.	
	le water and water allocation/licencing	i) Note
j)	The dLSP and the Local Water Management	j) Note
	Strategy Lot 9500 Goorie Way Bremer Bay,	
	WA 6330 27/02/24 (Final Version 3	
	27/02/2024, received19/06/24) (LWMS)	
	indicate the subject area will be connection	
	to existing reticulated infrastructure for	
1.3	drinking water supply.	k) Note – refer to Submission 1
k)	The Department notes the licensed	Ky 140to – foroi to oubillission f
	entitlements for the Bremer Bay area has	
	been exceeded within recent years. We	

recommend that the Shire liaises with Water
Corporation regarding service capability for
additional residences resulting from the
proposed development.
The Shire could also consider its Local
Planning Policy NO 17 Rainwater Tanks with
respect to opportunities to encourage water
conservation and rainwater collection in

Effluent disposal, Government Sewerage Policy and sewage sensitive area

new subdivisions.

l)

- m) Section 7 defines the dLSP subject area as sewage sensitive area, under item d) as land that drains to, and is within two kilometres of, the estuarine area of Wellstead Estuary.
 - Policy objective 1 to generally require the connection of new subdivision and development to reticulated sewerage to provide lowest risk to public health, environmental, social and economic long term planning outcomes associate with sewage treatment and disposal.
 - Policy objective 3 Protection of the environment, land and water resources by limiting contamination of land, groundwater, surface water, and impacts on health of fora/fauna, and limiting wasting of water resources.

l) Note – Adopted Local Planning Policy

m) Uphold – refer to Submission 4.i)

n) The Government Sewerage Policy and Draft State Planning Policy 2.9 (dSPP2.9) requires water resources to be considered at the earliest possible stage of the planning process and all subsequent stages in accordance with the Guidelines, Draft State Planning Policy 2.9 - Planning for Water Guidelines.

n) Note

Sewerage infrastructure connection

o) The dLSP section 3.6 Infrastructure
Coordination, servicing and Staging notes:
Given the separation from the existing sewer
infrastructure the large northern lots subject
to the R2.5 density could be serviced by
onsite treatment and disposal facilities
This contrary position is noted in Local
Water Management Strategy (LWMS),
section 4.3:

o) Uphold – inconsistencies between the Structure Plan and its Appendices are to be resolved.

The Subject Site is situated in an area that has access to the local reticulated sewerage network. Connection of the reticulated sewerage to households is to be via an extension of the existing network from the neighbouring development to the east.

p) Note

p) The Department does not support onsite treatment and disposal facilities in the sewage sensitive subject area, as stated in the Government Sewerage Policy, specifically 5.1.1 Requirement to connect to reticulated sewerage:

- Item 2 when any stage or part of any future or proposed subdivision or development is already connected to reticulated sewerage; and/or
- Item 3 where the responsible authority determines any future or proposed subdivision or development can be reasonably connected to reticulated sewerage
- q) The dLSP supporting documents note that connection to reticulated sewerage may be considered cost-prohibitive, however a cost analysis was not provided to support that position.
- r) If approval is given for proposed on-site treatment and disposal facilities in the northern portion of the subject area, outside the P2 region that extends into proposed subdivision area, the Department notes the Government Sewerage Policy (2019) 5.2.1 Lot sizes in sewage sensitive areas is minimum one hectare. This size is to primarily manage cumulative impacts on the environment and water resources in and immediately adjacent to this subject area.
- s) Appendix 3 Subdivision concept indicates all lots sizes are less than one hectare (10,000 m²). A reduction below the required minimum one hectare is not supported by the Department, in view of the high values of

q) Note

r) Note – refer to Submission 4.i)

s) Note – development is to be located outside of the PDWSA refer to Submission 4.g).

the receiving environment as detailed above
i.e. being a sensitive water resource area,
proclaimed groundwater area, and adjacent
to a P1 and P2 PDWSA.

t) Further, if on-site treatment and disposal facilities are approved, GSP5.2.3 requires groundwater separation of 1.5m, and GSP 5.2.5 requires secondary treatment units with nutrient removal.

Flood and Inundation Risk

u) The subject area appears low risk for food and inundation, however waterlogging is known to occur in and around the subject area, especially the southern portion near Borden-Bremer Road (personal communication, Shire of Jerramungup N Myers, 09/08/24), likely because of clay layers in the soil profile.

Stormwater

v) In the LWMS, delineation of predevelopment catchments is unclear and
was not shown in the plans. It appears a predevelopment catchment assessment was
not done to determine flow rates to
demonstrate the acceptable postdevelopment discharge rates onto freehold
land to the south to avoid having an impact.
It is also unclear why the upstream postdevelopment catchment is truncated by an

t) Note – refer to Submission 4.i)

u) Note

v) Uphold – amend the Local Water Management Strategy to identify the pre-development catchments and shown in the plans. A pre-development catchment assessment of the catchment is to be done to determine flow rates to demonstrate the acceptable post-development discharge rates onto freehold land to the south.

unused road reserve, as opposed to being defined by topography.

Drainage management

- w) The LWMS proposes drainage management by piped drainage system including civil works to establish drainage basins and determined two catchment areas are needed: Catchment A proposed for low point within POS (southwest area of LSP area) and Catchment B to reserve No. 46098 to southwest of the subject area. The Department notes reserve R 46098 is vested with Department of Planning, Lands and Heritage (DPLH), and is within the PDWSA with P2 level protection.
- x) Under WQPN 25 Land use compatibility tables for PDWSAs, Table 2 Compatibility of land uses and activities for the protection of water quality within public drinking water areas;
 - limited wastewater infrastructure types (with conditions noted in WQPN 25) are considered compatible with a p2 area, and
 - stormwater infrastructure in a P2 area is compatible with conditions per these guidance documents
 - WQPN 83 Infrastructure corridors near sensitive water resources

w) Uphold – drainage management is to be contained within the development area and located outside of the PDWSA and Reserve 46098.

x) Noted refer to Submission 4.i) andw)

o Stormwater management manual of Western Australia	
o Better urban water management y) The Department does not support the current proposed drainage management planning because it does not demonstrate consideration of the receiving P2 area with respect to WQPN 25 Land use compatibility tables for PDWSAs (www.wa.gov.au) and associated conditions and guidance or the proclaimed Bremer Bay Groundwater Area, discussed above. z) The Department recommends the Shire confirm locations and vesting or land management, and acceptable uses of all proposed receiving or processing infrastructure, stormwater storage, and drainage points for this subject site. Site and Soil Evaluation aa) Local knowledge of the subject area and a y) Note	
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other nearby areas indicated that	
waterlogging occurs in the subject area	
(personal communication, N Myers	
09/08/24), and this should be further	
considered in site and soil analysis and land	
capacity for drainage and water cycling.	
bb) Additionally, the Local Water Management bb) Uphold - the Local Water	
Strategy (LWMS) with Appendix A Site Soil Management Strategy with	
Investigation Report (GSG, 2023) contains Appendix A Site Soil Investigation	n
errors and assumptions that should be Report (GSG, 2023) is to be	

addressed if on-site wastewater management is approved:

- Correctly noted trial pits on 2 May 2023 are not representative of winter/season groundwater peaks. Observations should be made during peak season, generally October/November.
- Geotechnical investigation indicates a sandy clay layer at 0.16 to 1.10 m below ground level, which may result in a perched groundwater system. Then in Section 3.7.2 bore 60200014 is referenced, for which the datum for the recordings is not detailed, so it is not known what the groundwater levels are below ground level (BGL). It appears it was assumed it is in meters BGL, and this cannot be assumed and is likely incorrect. Our desktop review stated the bore is 27 m deep, but does not say where the inlet screen is, so there is no confidence that it is observing the correct aquifer.
- cc) The Department notes the Draf Local Structure Plan (dLSP) Appendix 5 Lot 9500 Borden – Bremer Road, Bremer Bay Engineering Infrastructure Report November 2023 (Revision 3, 29/11/23, received 19/06/24) (App 5 EIR) references information he dLSP and LWMS discussed in these

amended to note observations should be made during peak season, generally October/November and be amended to incorporate the findings. Bore 60200014 is to be reassessed to correctly determine if a perched ground water system is present.

cc) Note

		Department comments about environment and water resources values and/or management. The Shire's technical review of App 5 EIR should be undertaken in the context of issues and impacts discussed in these comments.	
4	Department of Fire & Emergency Services PO Box P1174 PERTH WA 6844	a) It is noted that a lot layout has been provided as part of the referral documentation. Where a lot layout is known (even if not finalised) a BAL Contour Map should be provided to ensure an accurate representation of the bushfire risk for each proposed lot, or cell of proposed residential development.	a) Uphold - a BAL Contour Map should be provided as part of the Structure Plan.
		b) . Policy Measure 6.5 c) Compliance with the Bushfire Protection Criteria: i) A1.1 & A2.1 – not demonstrated The BAL ratings cannot be validated. A concept lot layout has been provided and a BAL Contour Map should be provided. The structure plan proposes residential lots ranging from approximately 1,000 to 5,000 sqm in size, these are considered to be urban scale lots. Urban scale lots should not be impacted by BAL-40/FZ. Without a BAL Contour Map it is difficult to ascertain the BAL impact on the lots.	b)i)Note – refer to submissions 5.(a)

Strategic planning presents the best opportunity to incorporate setbacks in the form of roads and/or managed open space areas to address bushfire risk at the planning stage. A BAL Contour Map should be provided to demonstrate compliance with Elements 1 and 2 by locating development in areas with least possible risk of bushfire and achieving a maximum rating of BAL-29 for all future lots and not rely on construction standards or in-lot setbacks.

ii) A3.3 and A3.4a – not demonstrated There is a dead-end road shown in

the concept subdivision layout which leads to a proposed EAW. A perimeter road is required where 10 or more lots are proposed. The EAW is also adjacent to an area of Class D Scrub. Given no BAL Contour Map or post development vegetation classification has been provided it is unclear which vegetation will remain in the post-development scenario. The future subdivision should provide multiple access routes as part of stage 1 if the subdivision is to be staged.

b)ii)Note – refer to submissions 5.(a)

		c) It is critical that the bushfire management measures within the BMP are refined to ensure they are accurate and can be implemented to reduce the vulnerability of the development to bushfire. The proposed development has not demonstrated compliance to the following: Element 1: Location, Element 2: Siting and Design, and Element 3: Vehicular Access.	c) Uphold – refer to submission 5.a)
5	Teresa Scott 4A Loukes Street FREMANTLE WA 6160	 a) There is not enough infrastructure to support more land releases. b) No industrial or commercial land available to support this growth. c) If there is not enough power and water available for a car wash the question is, is there enough power and water to service this development? 	a) Noteb) Notec) Note – refer to submission 4.i)
6	Drew Sebbes 604 Geographe Bay Road BROADWATER WA 6280	 a) Supportive of the overall Structure Plan. b) Concerned about ability of existing waste water infrastructure to have the capability to handle the new blocks. c) Rear Boundary Easement of 5 meters to be put in place where new blocks adjoin existing. 	 a) Note b) Note - Noted refer to Submission 4.i w) c) Note - Based on the size of the lots at an R2.5 standard the rear setback is 7.5m.